ANEJO Nº 6. ESTRUCTURAS

ÍNDICE

1. CUADRO RESUMEN
2. DESCRIPCIÓN: TIPOLOGÍA, APARATOS DE APOYO, JUNTAS, IMPERMEABILIZACIÓN, ETC
3. DEFINICIÓN GEOMÉTRICA
4. CÁLCULOS
5. PROCESO CONSTRUCTIVO
6. RESUMEN DEL CONTROL DE CALIDAD (EMPRESA CONSTRUCTORA Y ASISTENCIA TÉCNICA)
7. ACCESOS Y ELEMENTOS PARA MANTENIMIENTO
8. RECOMENDACIONES PARA LA CONSERVACIÓN Y EL MANTENIMIENTO
    - MOVIMIENTOS PREVISTOS EN LAS ESTRUCTURAS

1. Cuadro resumen

1.- CUADRO RESUMEN

El número de las estructuras de este subtramo es tan sólo de tres, y cada una de ellas corresponde a tipologías diferentes causadas por su función:

Las estructuras que componen el tramo son:

- Túnel artificial Tenor Fleta
- Paso inferior escorredero San Antonio
- Paso superior Camino de San Antonio

En los apartados siguientes describiremos las estructuras y características de cada una de ella, así como las modificaciones habidas respecto al Proyecto original.

2. Descripción : tipología, paratos de apoyo, juntas, impermeabilización etc

2. DESCRIPCIÓN :TIPOLOGÍA APARATOS DE APOYO, JUNTAS, IMPERMEABILIZACIÓN,

La información relativa a este apartado se encuentra en el Documento Nº 2. Planos dentro de 5. Estructuras

3.- DEFINICIÓN GEOMÉTRICA

1.PROLONGACION DEL TUNEL DE TENOR FLETA

En el tramo del falso túnel, la actual plataforma de la vía del ferrocarril de 14,90 m. De ancho, discurre deprimida, a una profundidad de 3.0-3.5 m. Respecto del terreno circundante.

En el lado derecho de la plataforma (sentido Zaragoza-Barcelona) existe un muro de hormigón en el lado izquierdo un muro de mampostería recubierto de hormigón en un tramo de 190 m.

El proyecto constructivo contempla la excavación en trasdos de los muros hasta la cota de la plataforma de la vía del ferrocarril, cimentando a partir de ese nivel los hastiales del túnel artificial mediante pilotes de extracción.

En el Modificado se da posibilidad una solución alternativa para la cimentación profunda de los hastiales del túnel artificial, mediante el conjunto pila-pilote, ejecutados desde la cota coronación de los muros existentes.
También con esta modificación solucionamos la problemática de la Línea eléctrica de Alta Tensión de 132 Kv., de su margen izquierda y de un colector de saneamiento de diámetro 800 paralelo a la traza en su margen derecha y se pretende llegar con el falso túnel hasta el Paso de Cabaldos.

Posteriormente también se hace la adecuación técnica de la electrificación en el falso túnel.

Finalmente, a petición del ayuntamiento, se mantiene el Paso superior del camino de Cabaldós en su posición actual. A consecuencia de esto se deberán recrecer los estribos y sustituir el tablero existente, no produciendo una afección en el Parque de la Granja.

SOLUCION EJECUTADA PARA LA CIMENTACION DE LOS HASTIALES DEL TUNEL ARTIFICIAL

Se cimentaron las paredes laterales del túnel artificial mediante pilotes ejecutados desde la cota de coronación de los muros existentes.

Como alternativa a la solución prevista en Proyecto se plantea la cimentación profunda de los hastiales mediante pilotes ejecutados desde la cota de coronación de los muros existentes, con su eje situado a 2.0 m de intradós de los muros, que es la distancia definida en el proyecto, por lo que se respeta el gálibo horizontal previsto (14,70 m). Esta solución presenta la ventaja de no tener que excavar un volumen de 8000-10000 m^3. en trasdós de cada muro, lo que supone un importante ahorro de tiempo de ejecución. También, se evita el riesgo de dañar muros durante la excavación o al ejecutar la cimentación, tiempo durante el cual se movería maquinaria pesada a aproximadamente un metro del saneamiento existente en trasdós del muro situado a la derecha del trazado a + P.K.y también se evita que cualquier daño en los muros pudieran afectar al tráfico ferroviario.

En la solución ejecutada se estudiaron dos cuestiones:

Las acciones horizontales sobre las paredes verticales del túnel artificial. Si estas acciones horizontales fuesen significativas, se transmitirían a los pilotes a través de la viga que une sus cabezas y los pilotes transmitirían empujes que podrían no ser admisibles para los muros.

Con objeto de disponer de una pantalla de pilotes más rígida frente a las acciones horizontales (relleno de tierras, peso propio de la cubierta del túnel, cargas muertas, sobrecargas, etc.) se ejecutaron los pilotes previstos, de ∅.85 m , con una separación de 1.5 m, en vez de la separación de 3.0 m prevista en Proyecto. Esta solución, además de rigidizar la pantalla de pilotes frente a las acciones horizontales, tiene la ventaja de disponer de un conjunto de pilotes muy próximos, que se puede cubrir fácilmente con hormigón proyectado, si en un futuro se decidiese suprimir los muros existentes, lo que aumentaría en unos 3,0 m el gálibo horizontal de la explanada.

En el siguiente apartado se justifica que mediante la solución ejecutada, con pilotes separados 1.5 m, las acciones laterales sobre los muros (de mampostería y hormigón) no son superiores a los actualmente existentes, incluso considerando una sobrecarga de tierras hasta la cota de la cubierta del túnel artificial.

Se estimó también la tensión máxima que se produciría en el muro de mampostería, originada por el empuje del hormigón fresco, inmediatamente después de hormigonar un pilote. Esta estimación permite concluir que no es necesario entubar los pilotes para prevenir el empuje del hormigón fresco, siempre que se adopten las siguientes medidas:

1) Protección del muro de mampostería vista mediante una capa de hormigón proyectado (gunita) de 12-15 cm. de espesor, con mallazo de 6mm. de diámetro cada 15 x 15., en toda la altura del muro, respetando los drenes existentes.
2) Los pilotes que se ejecutaron consecutivamente estarán separados no menos de 6 m, debiendo transcurrir al menos 48 horas entre la ejecución de 2 pilotes próximos (separados 1,5 m)

Para los pilotes puede considerarse una longitud de 12m., por lo que quedan empotrados entre 5 y 6 m en la terraza de gravas arenosas.

Considerando una resistencia por punta de 800 t/m2 y por fuste de 5 t/m2, la carga de hundimiento de un pilote (considerando que sólo los 10 m inferiores resisten por fuste) es:

$Qh= Rp*Ap+Rf*Af$

$Ap= \pi * 0.85^2/4 = 0.56745\ m^2$
$Af= \pi * 0.85*10= 26,703\ m^2$

$Qh= 800*0.56745 + 5*26,703 =587,47$ t.

Adoptando un coeficiente de seguridad de F=3, la carga admisible es, Qadm= 195 t.

Este valor es inferior a la carga admisible por razones estructurales, la cual es del orden de 220 t., y del mismo orden de magnitud que la máxima carga vertical considerando en el Proyecto para pilotes separados 3 m.

ANALISIS NUMERICO DE LA SOLUCION ADOPTADA

Se analizara en primer lugar la situación actual, estimando el movimiento horizontal de los muros y las presiones a que están sometidos. A continuación se simula el proceso constructivo, consistente en la ejecución de pilotes separados 1.5 m., ejecución de las paredes verticales del muro y cubierta del falso túnel, relleno de tierras, considerando diversas hipótesis (relleno en un solo lado o en ambos) y actuación de sobrecargas en la cubierta.

Los análisis se han efectuado mediante el código PLAXIS de elementos finitos, considerando un modelo bidimensional en la hipótesis de deformación plana. El terreno se ha modelado mediante triángulos de 15 nodos con dos grados de libertad por nodo. Los elementos estructurales (pilotes, paredes verticales, cubierta) se han modelado mediante elementos viga de 5 nodos con tres grados de libertad por nodo, considerando elementos "interface" entre el terreno y los elementos viga que están en contacto con él.

En el cuadro 1 figuran las propiedades adoptadas en el terreno. Para los muros existentes y demás elementos estructurales se ha considerado un comportamiento elástico, con un módulo de elasticidad de 2.000 Mpa para el de mampostería y de 25.000 Mpa para el de hormigón. En los elementos estructurales (pilotes, hastiales y cubierta) se ha adoptado un módulo de elasticidad de 27.500 Mpa.

En el terreno se han considerado los siguientes niveles:

De 0 a 6 m: Abanico actual
De 6 a 17 m: Terraza
De más de 17 m: Marga yesífera

El nivel freático se ha situado a 12 m de profundidad.

CUADRO 1.
CARACTERISTICAS DE LOS MATERIALES

	DENSIDAD KN/M^3	MODULO DE ELASTICIDAD MN/m^2	COEF. POISSON	COHESION KN/M^2	ANGULO DE ROZAMIENTO
RELLENOS	19.5	20	0.3	0	35º
ABANICO ALUVIAL	20	120	0.25	5	38º
TERRAZA	20	180	0.25	5	40º
MARGA	20.5	200	0.3	30	28º

Las situaciones analizadas, en las que se indican fases e hipótesis consideradas, se han denominado:

TENOR FLETA-0

Se analiza la situación actual, suponiendo que se realizó una excavación para construir muros. Para el estado tensional inicial se adopta un coeficiente de empuje al reposo dado por Ko= 1 – sen∅

Al construir los muros existentes y rellenar en trasdós se obtiene un movimiento horizontal para la cabeza de los muros del orden de 2.50 mm. y una presión vertical sobre el muro de

21 KN/M^2 a una profundidad de 3m, coincidiendo con la cota de la plataforma de las vías, presión que viene a coincidir con la correspondiente a suponer un empuje activo en la hipótesis de Rankine.

TENOR FLETA-B1

Se simula el proceso constructivo en las siguientes fases, partiendo del estado tensional correspondiente a la situación actual.

Fase 1: Se ejecutan los pilotes (separados 1.5 m) y la viga de atado.
Fase 2: Se ejecutan las paredes verticales, de 3.5 m de altura y 0.80 m de espesor, así como la cubierta del túnel artificial.
Fase 3: Se rellena el lado izquierdo del túnel artificial hasta la altura de la cubierta.
Fase 4: Acciones sobre la cubierta del túnel:

Carga muerta: 23 KN/m^3 en una altura de 0.6 m
Sobrecarga: 4 KN/m^2 (repartida).
Cargas puntuales: Dos cargas de 100 KN/m separadas 2 m en el centro de la cubierta.

Fase 5: Demolición de los muros existentes y su trasdós hasta la pantalla de pilotes.

TENOR FLETA-B2

Es todo igual que la solución B1, excepto que en la fase 3 el relleno se produce a ambos lados del túnel artificial.

TENOR FLETA-B3

Es todo igual que en la solución B1, excepto en la fase 3 el relleno se produce en el lado derecho del túnel artificial.

En el cuadro 2 se resumen los resultados más significativos del análisis. Como puede apreciarse, los máximos movimientos que se producen en los muros son del orden de 1.5-2.0 m. La máxima presión sobre los muros a 3 m de profundidad (coincidente con la cota de la plataforma de la vía) es 23-24 KN/m^2 en la Fase 3, al producirse el relleno en trasdós de un hastial o de ambos hasta la cota de la cubierta del túnel. Esta presión es solo ligeramente superior a la actualmente existente, lo que significa que la pantalla de pilotes es capaz de absorber los empujes laterales sin que estos transmitan a los muros.

Los máximos esfuerzos sobre los pilotes se producen en las Fases 4 y 5. Los esfuerzos están dados por metro lineal, por lo que para obtener los esfuerzos sobre un pilote habría que multiplicarlo por 1.5, lo que nos proporcionaría unos esfuerzos máximos por pilote.

N= 576 KN = 57.6 t.
M= 255 Mkn= 25.5 mt.

Los esfuerzos por metro lineal son del mismo orden de magnitud que los que figuran en el correspondiente anejo de cálculo del Proyecto

(N= 630 KN, M= 235 Mkn)

SOLUCION PARA LA CIMENTACION DE LOS HASTIALES

A partir de todo lo anteriormente expuesto, se concreta la siguiente propuesta para la cimentación de los hastiales del túnel artificial Tenor Fleta:

Ejecución de una fila de pilotes de ∅ 0.85 m , separados 1.5 m y de 12 m de longitud, desde un plano situado a 1 m por debajo de la cota de coronación de los muros existentes, con su eje situado a 2 m del intradós de esos muros, de acuerdo con el esquema de figura posterior.
La armadura longitudinal de los pilotes estará constituida por 20∅20 y los cercos por barras ∅10 cada 15 cm. Esta armadura prevista en proyecto para pilotes separados 3 m. Al disponer los pilotes

más próximos la armadura sería menor, si bien se propone armar éstos con la cuantía indicada con objeto de obtener una pantalla más rígida frente a los empujes laterales.
No es necesario entubar los pilotes para prevenir el empuje del hormigón fresco, siempre que se adopten las siguientes medidas:

Protección del muro de mampostería vista mediante una capa de hormigón proyectado (gunita) de 12-15 cm. de espesor, con mallazo ∅6 de 15x15, en toda la altura del muro, respetando los drenes existentes.
Los pilotes que se ejecuten consecutivamente estarán separados no menos de 6 m, debiendo transcurrir al menos 48 horas entre la ejecución de dos pilotes próximos (separados 1,5 m)
En caso de ejecutar los pilotes con barrene continua, la armadura del pilote debe introducirse no menos de 6 m por debajo de la cota de apoyo de los muros existentes.

MODIFICACIONES DEL TABLERO DEL FALSO TUNEL

El tablero salva una luz libre entre pantallas de 14.90 m
El tablero quedará 50 cm por debajo de la cota final de la obra.
En los planos del proyecto se indican las coordenadas de los apoyos de todas las vigas extremas.
En lo referente a la solución estructural adoptada, el tablero total de 266 m estará dividido por 3 juntas de dilatación, de 3 cm, en 4 tableros de 46 vigas cada uno, con lo que obtenemos 184 vigas, frente a las 141 vigas que reflejaba el proyecto inicial.
También se procederá a la adecuación de las vigas de cubrimiento del falso túnel, sustituyendo las vigas rectangulares a ejecutar "in situ" en el Parque de la Granja, por otras prefabricadas del mismo canto, dada la imposibilidad de montar el parque de fabricación en el lugar previsto, al no poder obtener el permiso del ayuntamiento.
La longitud total de las vigas será de 15.70 m y 15.20 m entre apoyos.
La sección de tablero vendrá definido por la altura de las vigas que es de 0.60 m y la de la losa con 0.20 m. Las vigas estarán separadas 1.451 m entre ejes.
El tablero estará apoyado en los extremos en las pantallas realizadas "in situ" y unido al murete mediante la losa, según se define en los planos adjuntos.

2.PASO INFERIOR DEL ESCORREDERO DE SAN ANTONIO

Esta estructura es un pequeño marco que sirve como prolongación del existente bajo las vías del ferrocarril.

La estructura ejecutada es un marco, ampliación de la obra actual, que es otro marco de hormigón armado de luz libre de 5,25 m, altura libre de 1,60 m y muros y losas de 0,60 m de espesor.

Ha sido necesario aumentar la longitud del marco de 15,80 m a 20, 80 m para poder incluir el camino dentro del escorredero atendiendo a la petición realizada por el Canal Imperial de Aragón (Confederación Hidrográfica del Ebro).

3. PASO SUPERIOR DE SAN ANTONIO

Inicialmente en proyecto se soluciona mediante una estructura de 5 vanos (13.00 + 14.50 + 17.00 + 14.50 + 13.00 m) que permite el paso sobre la L.A.V. por su vano central . Se procede a la modificación de dicha estructura de 5 a 3 vanos por la imposibilidad en cuanto a la ejecución del estribo 2 por la cercanía de la línea de Alta Tensión de 132.000 V. y de la vía actualmente en servio por lo cual también se opta por realizar los estribos mediante escamas de tierra armada.
A su vez también se vio aconsejable sustituir las pilas " in situ " por unos fustes prefabricados que recibían al dintel, también prefabricado, con el fin de reducirlas afecciones.
Los vanos se mantienen en dimensiones (14.50 + 17.00 + 14.50) por lo que no afectan al tránsito de la vía existente, ni a la L.A.V., ni al camino de servicio requerido.
El tablero es resuelto de igual manera que en el proyecto constructivo.

4. Cálculos

4. CÁLCULOS

ÍNDICE

- ESTUDIO TIPOLÓGICO (PROYECTO CONSTRUCTIVO)
  - TUNEL TENOR FLETA
    - CÁLCULOS JUSTIFICATIVOS (PROYECTO CONSTRUCTIVO)
    - GRÁFICOS (PROYECTO CONSTRUIDO)
      - TUNEL TENOR FLETA_0 MURO IZQUIERDO
      - TÚNEL TENOR FLETA B1. FASE 4. GRÁFICOS (SOBRECARGAS EN CUBIERTA)
      - TÚNEL TENOR FLETA B2. FASE 4. GRÁFICOS (SOBRECARGAS EN CUBIERTA)
      - TÚNEL TENOR FLETA B3. FASE 3. GRÁFICOS (RELLENO DE TIERRAS LADO DERECHO HASTIAL)
      - MURO 1. GRÁFICOS. TENSIONES SOBRE EL MURO ORIGINADAS POR EL HORMIGÓN FRESCO
        - APÉNDICE A. PLANOS DE PROYECTO
        - ANEXO 2. CÁLCULO DEL TABLERO TÚNEL ARTIFICIAL
        - CÁLCULO DE VIGAS
        - CÁLCULO DE ARMADURA EN SALIDA DE EMERGENCIA
        - PROYECTO DE PRUEBA DE CARGA DEL TÚNEL TENOR FLETA
- PASO INFERIOR ESCORREDERO DE SAN ANTÓN
  - CÁLCULOS JUSTIFICATIVOS (PROYECTO CONSTRUCTIVO)
- PASO SUPERIOR SOBRE EL CAMINO DE SAN ANTÓN
  - CÁLCULOS JUSTIFICATIVOS (PROYECTO CONSTRUCTIVO)
  - PROYECTO DE PRUEBA DE CARGA (PROYECTO CONSTRUCTIVO)
  - RECÁLCULO DE ENCEPADOS DEL PASO SUPERIOR SOBRE EL CAMINO DE SAN ANTÓN (PROYECTO CONSTRUIDO)
  - CÁLCULO DE LOS FUSTES Y DINTELES DEL PASO SUPERIOR DE SAN ANTÓN(PROYECTO CONSTRUIDO)
  - CÁLCULO DE LOS ESTRIBOS DE TIERRA ARMADA DEL PASO SUPERIOR DE SAN ANTÓN
- MARCO PARA ACEQUIA P.K 3+270
  - CÁLCULOS JUSTIFICATIVOS DEL MARCO PARA ACEQUIAS P.K 3+270

ESTUDIO TIPOLÓGICO

ÍNDICE

1. INTRODUCCIÓN
2. DESCRIPCIÓN DE LAS ESTRUCTURAS DEL TRAMO Y DE LAS SOLUCIONES ESTUDIADAS
   - 2.1 TÚNEL ARTIFICIAL TENOR FLETA
   - 2.2 PASO INFERIOR DEL ESCORREDERO DE SAN ANTÓN
   - 2.3 PASO SUPERIOR CAMINO DE SAN ANTÓN
   - 2.4 MARCO PARA ACEQUIAS EN EL P.K 3+270
3. DESCRIPCIÓN DE MUROS Y PANTALLAS
   - 3.1 INTRODUCCIÓN
   - 3.2 MURO DE LA BOQUILLA DEL TÚNEL ARTIFICAL
   - 3.3 MUROS-PANTALLA SALIDA DE EMERGENCIA
   - 3.4 MURO CAMINO DE SAN ANTÓN

1.- INTRODUCCIÓN

En este documento se aborda el estudio tipológico de la estructuras del Subtramo Miraflores-Subtramo III, del tramo de Nueva Estación de Zaragoza y sus Accesos Ferroviarios, de la línea de Alta Velocidad Madrid-Barcelona.

El número de las estructuras de este subtramo es tan solo de tres, y cada una de ellas corresponden a tipologías diferentes causadas por su función: un falso túnel, un paso inferior y un paso superior; por ello no es posible un tratamiento uniforme de las mismas, aunque sí una filosofía común en el sentido de realizar estructuras durables, que exijan un mantenimiento mínimo.

La estructuras que componen el tramo son:

- Túnel Artificial Tenor Fleta (Ampliación Este).
- Paso Inferior Escorredero de San Antón.
- Paso Superior Camino de San Antón.

En los apartados siguientes se describen las estructuras del tramo y los criterios que han llevado a la elección de su solución estructural.

2.- DESCRIPCIÓN DE LAS ESTRUCTURAS DEL TRAMO Y DE LAS SOLUCIONES ESTUDIADAS

2.1.- Túnel artificial Tenor Fleta

Introducción

El crecimiento del perímetro urbano de Zaragoza, hace necesaria la ampliación por el Este del túnel artificial existente. La enorme complejidad del tejido urbano sobre el falso túnel actual, imposibilita la ampliación de la sección transversal, de forma que éste ha de mantenerse con las dos vías existentes y con los gálibos estrictos actuales.

Condicionantes geométricos

La presencia del túnel existente, supone para la ampliación del túnel por el Este, un gálibo horizontal total de 11.00 m mínimo, y un gálibo vertical variable entre los 5.25 m del túnel actual y los 6.50 m que se considera un valor mínimo en la zona de ampliación atendiendo al carácter semi-urbano del área; de esta forma, se adopta la geometría mínima del túnel existente, adaptándose gradualmente el túnel a unos parámetros geométricos menos estrictos.

Estos valores geométricos son por otra parte, los adoptados en el Proyecto Básico de julio de 1999.

Por otra parte, éstos parámetros facilitan la prolongación de la calle Tenor Fleta y permiten una sobre elevación moderada que permite una reposición adecuada del parque existente.

Condicionantes funcionales y constructivos

La construcción de la ampliación del túnel artificial debe realizarse manteniéndose el tráfico ferroviario existente.

Este condicionante, supone por una parte la dificultad de la construcción de la cimentación de los hastiales del paso, ya que la excavación podría afectar a la infraestructura de la vía existente; y por otra, la complejidad constructiva del dintel del paso sin ocupar la zona de la vía existente.

Condicionantes geotécnicos

La información geológica y geotécnica disponible indica que resulta necesario una cimentación profunda mediante pilotes.

La posibilidad de disponer una cimentación superficial, contemplada originalmente en el proyecto básico fue descartada debido a la magnitud de la excavación necesaria, que acabaría afectando al tráfico ferroviario en la vía existente.

Soluciones estudiadas y propuesta

Se han estudiado tres posibles soluciones para esta estructura, buscando optimizar la solución desde un punto de vista constructivo, respetando los condicionantes de tráfico establecidos. Las soluciones estudiadas han sido las siguientes:

- Solución 1: Esta solución supone una luz estricta para el falso túnel y requiere la demolición previa de todos los muros existentes y la construcción de los hastiales en su misma posición. En este caso la luz libre resultante entre caras interiores de hastiales sería de 12.15 metros. Aunque esta solución supone un óptimo desde el punto de vista estructural, supone también la peor solución desde el punto de vista constructivo ya que supedita todo el proceso a la demolición de los muros existentes. Este condicionante resulta especialmente importante debido a que sólo se puede proceder a la demolición de los muros cuando no existe tráfico ferroviario.

- Solución 2: La segunda solución estudiada supone independizar completamente la estructura nueva de la estructura existente, construyendo los hastiales del falso túnel por detrás de la zapata de los muros existentes, partiendo de una estimación previa de las dimensiones de dicha zapata. La luz libre resultante en este caso es de 16.30 metros. Esta solución resulta óptima desde el punto de vista constructivo, pero penaliza fuertemente la solución estructural.

- Solución 3: La solución 3 supone un compromiso entre las soluciones 1 y 2. La misma consiste en respetar los muros existentes durante la construcción pero permitiendo una afección a la cimentación de los mismos que se vería atravesada por un pilote cada 3.00 metros. Esta circunstancia no supone un riesgo debido a que, previamente a la ejecución de los pilotes, se habrá excavado el trasdós de los muros y por lo tanto se habrá eliminado el empuje de tierras que éstos soportan actualmente. Con esta solución se permite una independencia de la construcción de hastiales respecto de la demolición de los muros (en este caso sólo se demuele el muro de mampostería inicial situado en el margen izquierdo y el recrecido de mampostería de los muros de hormigón) y se reduce el coste en términos estructurales. La luz libre resultante para esta solución resulta ser de 14.90 metros.

En todos los casos, se proponen hastiales de hormigón armado de 0.80 m de espesor, cimentados sobre pilotes cada 3.00 metros.

Debido a la necesidad de mantener el tráfico ferroviario sin interrupción, se propone una cubierta formada por vigas prefabricadas. Debido a que el canto máximo del tablero, por motivos de gálibo vertical, es de 0.80 metros y la luz de la viga de 15.70, para la solución 3 ($h/L \approx 20$), no resulta lógico plantear una solución prefabricada cuyo óptimo económico se sitúa en una esbeltez de L/17. Por otra parte, tampoco resulta posible juntar mucho las vigas debido a que resulta necesario dejar un espacio intermedio entre vigas para colgar la catenaria. Por todo ello, se proponen vigas postesas prefabricadas *in situ*. Esta solución tiene además la ventaja de permitir darle continuidad a la estructura mejorando de esta forma, las condiciones estáticas de la misma y eliminando juntas que siempre suponen un punto débil desde el punto de vista

de la durabilidad.

Con objeto de disponer también de un criterio económico a la hora de decidir entre las 3 alternativas planteadas, se ha llevado a cabo una valoración aproximada de cada una de ellas. El detalle de las mediciones y de la valoración se incluye en un apartado independiente. A continuación se resume en una tabla el coste de cada una de las alternativas, sin tener en cuenta el coste de las demoliciones que no influyen en el análisis comparativo:

Solución	Coste Aproximado de Ejecución Material
1	380 370 253 Pts.
2	416 426 667 Pts.
3	409 326 674 Pts.

Como era previsible la solución 3 supone un coste intermedio entre las 3 soluciones y resulta óptima desde un punto de vista constructivo. Estas consideraciones llevan a proponer ésta como solución para desarrollar a nivel de proyecto constructivo.

2.2.- Paso inferior del escorredero de San Antón

Introducción

Esta estructura es un pequeño marco que sirve como prolongación del existente bajo las vías del ferrocarril.

Condicionantes geométricos

La estructura se plantea como un marco ampliación de la obra actual, que es otro marco de hormigón armado.

La luz libre es de 5.25 m, que coincide con la luz libre del paso existente de acuerdo con la información disponible (plano taquimétrico encargado para este estudio).

En alzado, el paso viene fuertemente condicionado, en su parte superior por el trazado de la nueva vía de alta velocidad (por encima de la estructura debe pasar la vía y el balasto) y en su parte inferior por la geometría de la obra existente, ya que debe mantenerse la pendiente existente en el cauce actual.

Condicionantes geotécnicos

De acuerdo con la información geotécnica disponible, esta estructura se encuentra sobre una base de rellenos de escasa capacidad portante lo cual obliga a plantear una estructura tipo cajón cerrado, con losa de cimentación. Esta tipología, por otra parte resulta lógica para permitir el paso de agua.

Condicionantes constructivos

La construcción del paso debe realizarse manteniéndose la circulación por el escorredero.

Ya que el ancho del paso mínimo es de 4.00 m, aproximadamente, bastaría con mantener este ancho para mantener las condiciones de funcionamiento actuales.

Solución propuesta

Para resolver esta estructura se propone, por lo tanto un cajón cerrado con espesores de hastiales, losa superior y losa inferior de 0.60 metros y una luz libre de 5.25 metros.

Se ha llevado a cabo una valoración aproximada de este paso, obteniendo un coste de ejecución material de 10 104 879 Pts.

2.3.- Paso superior camino de San Antón

Introducción

Esta estructura es un paso superior que vendrá a sustituir al paso existente, ya que no es posible adaptar a las nuevas luces necesarias para permitir el paso de las nuevas vías.

Condicionantes geométricos

La estructura debe salvar en su vano central las nuevas vías del AVE en uno de los vanos laterales una vía existente (para permitir así su mantenimiento durante la construcción) y un camino de servicio en el vano opuesto.

De acuerdo con los criterios del GIF, el gálibo vertical mínimo ha de ser 7.00 m; y el horizontal de 3.00 m de distancia libre entre pilas o estribos y eje de vía para el Ancho Internacional, y 2.70 m para el Ancho Ibérico.

Condicionantes geotécnicos

Las condiciones de cimentación de este paso son similares a los del Paso del Escorredero y por lo tanto esta estructura requiere la disposición de pilotes para su adecuada cimentación.

Condicionantes constructivos

La construcción del paso debe realizarse manteniéndose la circulación ferroviaria bajo el mismo.

Así la solución debe ser construible con una mínima interferencia posible con el tráfico ferroviario.

Soluciones estudiadas y propuesta

Para resolver este cruce se estudiaron 5 soluciones distintas. Éstas se describen a continuación junto con una indicación de las ventajas e inconvenientes de cada una de ellas.

- Solución 1: La primera solución considerada es la solución que se incluye en el proyecto básico de julio de 1999. Se trata de un puente integral de hormigón in situ posteso de tres vanos con luces de 19.50, 19.50 y 19.50 metros. Como ventajas fundamentales de esta estructura pueden destacarse su calidad formal, su bajo coste de mantenimiento y su reducido coste de ejecución material al ser necesarios unos estribos pequeños. Como inconvenientes, se pueden citar fundamentalmente dos:

  a) Esta solución no permite, sin una obra adicional, la ampliación de la vía de Caspe.

  b) Además la misma supone mayores riesgos constructivos al tener que ejecutarse con cimbra autoportante sobre una vía en servicio. En este sentido, debe recordarse que, en éstos casos, la solución tradicional aplicada en España pasa por el uso de vigas prefabricadas.

- Solución 2: La segunda solución estudiada es también una estructura de hormigón in situ postensada pero con una longitud más estricta. Se trata de una estructura de 3 vanos de luces 14.50, 17.00 y 14.50 metros. Esta estructura presenta pocas ventajas, ya que al acortar la longitud resulta necesario, para mantener las mismas condiciones funcionales que en la solución 1, introducir estribos cerrados de gran altura y con cimentación profunda. Además esta solución requiere una pantalla de pilotes provisional con objeto de poder mantener el tráfico sobre la estructura existente mientras se lleva a cabo la excavación para construir la cimentación de los estribos. No parece, por lo tanto que esta solución pueda ser una mejora respecto de la solución 1, puesto que además, presenta los mismos inconvenientes que ésta.

- Solución 3: Con objeto de eliminar el segundo inconveniente de las dos primeras soluciones, se planteó una tercera solución con vigas prefabricadas y luces estrictas. Esta solución respeta el mismo encaje de la Solución 2 y resuelve uno de sus inconvenientes. Sin embargo, se mantiene la necesidad de disponer estribos de alto coste, así como los problemas constructivos que requieren el uso de una pantalla de pilotes provisional.

- Solución 4: La solución 4 es análoga a la Solución 3 pero, además, elimina el primer inconveniente de las soluciones 1 y 2 al dejar diáfanos los vanos de laterales y permitir la ampliación de la vía de Caspe sin obra adicional. El precio, sin embargo es el encarecimiento de los estribos de la estructura.

- Solución 5: Por último se planteó una solución de 5 vanos. Esta solución tiene la gran ventaja de que con ella es posible recuperar la solución de estribos cargadero (utilizada en la solución 1) que, en el caso de un puente de vigas, no resultaba posible con una estructura de 3 vanos por tener un gálibo vertical estricto (y por lo tanto la necesidad de minimizar el canto). Esta estructura que reduce significativamente el coste, respecto de las soluciones 2, 3 y 4, responde a un encaje de 5 vanos, como se ha indicado anteriormente, de luces 13.00, 14.50, 17.00, 14.50 y 13.00. Esta solución elimina todos los inconvenientes de las soluciones anteriores, dando lugar a una estructura más transparente con un coste razonable. Solamente en el aspecto estético resulta superior la Solución 1. Con objeto de mejorar éste, se plantea una pila martillo con un fuste rectangular rematado por semicírculos y un dintel esbelto transversalmente con voladizos de 3.30 metros a cada lado.

Con objeto de poder comparar cuantitativamente las 5 soluciones propuestas, se ha llevado a cabo una valoración aproximada de cada una de ellas. Esta valoración no incluye ni la demolición de la estructura existente ni el muro que se coloca en el terraplén de acceso para proteger una casa del derrame de tierras. El resumen de esta valoración queda como sigue:

Solución	Coste Aproximado de Ejecución Material
1	42 055 678
2	74 069 160
3	75 612 449
4	86 870 865
5	58 113 836

Como puede verse en la tabla anterior, la solución 1 resulta la más económica, seguida por la solución 5, mientras que las otras tres resultan, claramente, más caras. Dados los inconvenientes funcionales de la solución 1, se propone desarrollar a nivel de proyecto de construcción la solución 5.

2.4.- Marco para acequia en el P.K. 3+270

Según se recoge en la reposición de servidumbres, para no afectar la acequia existente en el P.K. 3+270, se prolonga en 22,38 m el marco actual con su misma sección, de 2,50 m de ancho por 2.00 m de altura libre.

3.- DESCRIPCIÓN DE MUROS Y PANTALLAS

3.1.- Introducción

En el tramo objeto de este proyecto se han diseñado dos muros de contención, así como un recinto formado mediante muros-pantalla que forma parte de la estructura de la salida de emergencia. A continuación se incluye una descripción de cada uno de estos elementos.

3.2.- Muro de la boquilla del túnel artificial

La boquilla del túnel artificial ha sido diseñada por el arquitecto del proyecto. Dicho boquilla incluye un muro de 3,00 m de altura vista (3,50 m de altura total), que tiene como función contener el vertido de tierras correspondiente al Camino de Cabaldos. Por razones estéticas no se varía la altura del muro, por lo que el talud de vertido de las tierras debe ser variable.

En planta el muro conste de seis tramos rectos, adaptados a la posición de la salida del túnel artificial y al trazado de la reposición de la Calle de Cabaldos.

Con objeto de mejorar su apariencia exterior, el muro lleva berenjenos horizontales separados 1,00 m entre sí y de 4 cm de profundidad.

Este muro tiene canto constante igual a 0,40 m. La zapata tiene un ancho de 3,65 m en total, incluyendo 0,75 m de puntera y un canto de 0,80 m. Para el cálculo de este muro se ha considerado una tensión admisible de 1,0 kg/cm^2.

3.3.- Muros-pantalla salida de emergencia

Con objeto de limitar las excavaciones en el parque existente, los muros de la salida de emergencia se materializan mediante muros pantalla que se recrecen, en la zona que desemboca en la calle Tenor Fleta mediante un muro de hormigón armado convencional.

Existen dos tipos de pantalla. La pantalla tipo 1, se utiliza para materializar el pasillo que conduce desde la vía a las escaleras. Estas pantallas tienen una longitud mínima de 7,60 m y 0,30 m de canto y se unen mediante una losa superior de 0,25 m de canto, que sirve de arriostramiento.

La pantalla tipo 2 se utiliza para materializar el recinto en el que se disponen las escaleras que permiten acceder desde la cota de la vía al nivel del Paseo Tenor Fleta. Estas pantallas tienen una longitud mínima de 9,60 m y 0,45 m de espesor.

3.4.- Muro Camino de San Antón

En el terraplén de acceso al Paso Superior del Camino de San Antón, resulta necesario dispone un muro con objeto de proteger una edificación existente del derrame de las tierras del propio acceso. El criterio adoptado para encajar este muro es que se mantenga un paso de al menos 5,00 m de ancho entre el muro y la edificación.

Con este criterio, se obtiene un muro de 34 m de longitud y una altura variable entre 4,4 y 5,2 m.

Este muro tiene canto variable con 0,30 m en coronación y un talud en la cara de tierras de 1H:10V. La cimentación del muro es superficial con una zapata de 5,50 m de ancho, de los cuales 1,30 m corresponden a la puntera. El canto de la zapata es de 1,00 m.

Dada la escasa capacidad portante del terreno, este muro se ha calculado para una tensión admisible de 1,5 kg/cm^2.

L.A.V. MADRID - BARCELONA.
SUBTRAMO II: MIRAFLORES.
TÚNEL ARTIFICIAL DEL PASEO DEL TENOR FLETA

CÁLCULOS JUSTIFICATIVOS

ÍNDICE

1. BASES DE CÁLCULO
   - 1.1 INTRUCCIONES Y NORMAS APLICADAS
   - 1.2 CARACTERÍSTICAS DE LOS MATERIALES
   - 1.3 NIVELES DE CONTROL DE CALIDAD APORTADOS
   - 1.4 DESCRIPCIÓN DE PROGRAMAS DE ORDENADOR UTILIZADOS
2. REPLANTEO
3. CÁLCULO DEL PÓRTICO
   - 3.1 MODELOS
   - 3.2 ACCIONES CONSIDERADAS
   - 3.3 COMBINACIÓN DE HIPÓTESIS
   - 3.4 HIPÓTESIS INDIVIDUALES Y ENVOLVENTES
   - 3.5 COMPROBACIONES EN SERVICIO
   - 3.6 COMPROBACIÓN ELU
4. CÁLCULO DE MUROS
   - 4.1 MODELO DE CÁLCULO
   - 4.2 ACCIONES
   - 4.3 CÁLCULO DE MUROS. ALZADOS Y CIMENTACIONES
5. CÁLCULO DE SALIDA DE EMERGENCIA
   - 5.1 MODELO DE CÁLCULO
   - 5.2 ACCIONES
   - 5.3 CÁLCULO DE PANTALLAS. ALZADOS
6. RESULTADOS DEL CÁLCULO. LISTADOS
   - 6.1 REPLANTEO. ÙNTOS BÁSICOS DE REPLANTEO
   - 6.2 MODELO DE CÁLCULO I. MODELO ELEMENTOS FINITOS TIPO PLACA. LOSA SUPERIOR
   - 6.3 MODELO DE CÁLCULO II. PÓRTICO PLANO
   - 6.4 LISTADO DE HIPÓTESIS INDIVIDUALES
   - 6.5 PÓRTICO. LÍMITE DE SERVICIO
   - 6.6 PÓRTICO. LÍMITE ÚLTIMO
   - 6.7 VIGA PRETENSADA PREFABRICADA EN OBRA
   - 6.8 MURO DE LA BOQUILLA DEL TÚNEL
   - 6.9 PANTALLAS DE LA SALIDA DE EMERGENCIA
   - 6.10 ESCALERA DE LA SALIDA DE EMERGENCIA

1. BASES DE CÁLCULO

1.1 Instrucciones y Normas aplicadas

Para el proyecto de esta estructura se han respetado las prescripciones y recomendaciones de los siguientes documentos:

- Instrucción del Hormigón estructural EHE.
- Instrucción de acciones en puente de carreteras, IAP.

1.2 Características de los materiales

Los materiales empleados en la losa superior son:

- Hormigón HA-25/B/20/IIa
  - Control: Estadístico
  - Coeficiente de minoración: 1.50

- Acero Pasivo B 500 S
  - Control: Normal
  - Coeficiente de minoración: 1.15

Los materiales empleados en las vigas pretensadas en obra son:

- Hormigón HA-45/B/20/IIa
  - Control: Estadístico
  - Coeficiente de minoración: 1.50

- Acero Pasivo B 500 S
  - Control: Normal
  - Coeficiente de minoración: 1.15

- Acero de pretensar fpyk ≥ 1700 MPa y fpu ≥ 1900 MPa
  - Control: Normal
  - Coeficiente de minoración: 1.15

Los materiales empleados en el alzado de hastiales y muros de boquilla son:

- Hormigón HA-25/B/20/IIa

1 BASES DE CALCULO

- Control: Estadístico
- Coeficiente de minoración: 1.50

- Acero Pasivo B 500 S

- Control: Normal
- Coeficiente de minoración: 1.15

Los materiales empleados en las cimentaciones:

- Hormigón HA-25/20/B/IIa

- Control: Estadístico
- Coeficiente de minoración: 1.50

- Acero Pasivo B 500 S

- Control: Normal
- Coeficiente de minoración: 1.15

1.3 Niveles de control de calidad adoptados

El nivel de control de calidad adoptado en toda la estructura es intenso. A continuación se dan los valores de los coeficientes de mayoración de acciones γ_f segun la Instrucción EHE:

- Carga Permanente de valor constante: γ_G=1.35
- Carga Permanente de valor no constante: γ_{G^*}=1.50
- Carga Variable: γ_Q=1.50
- Carga de pretensado: γ_p=1.00

1.4 Descripción de programas de ordenador utilizados

Para el cálculo de toda la estructura se han utilizado los siguientes programas de ordenador, cuya descripción se incluye en el Anejo de 'Documentación de programas de ordenador utilizados':

- Replanteo: Con los datos de trazado, el encaje proyectado y la geometría de falso túnel, salida de emergencia y boquilla se calcula el replanteo, mediante CAD (el programa que se utiliza es CADKEY97).

- Modelo general de la losa superior: Se genera un modelo de elementos finitos tipo placa con el programa CEDRUS3, desarrollado por CUBUS AG. Este modelo permite evaluar el reparto longitudinal de las cargas concentradas.

- Modelo general de pórtico: Se genera un modelo de elementos finitos tipo barra con el programa STATIK3, de CUBUS AG. Para el cálculo de la estructura del tunel se ha desarrollado un pórtico plano. Los esfuerzos obtenidos en dicho modelo permiten el cálculo de las armaduras necesarias en hastiales, dintel y pilotes.

- Cálculo de muro de la boquilla del tunel: Los muros se han dimensionado y comprobado mediante una hoja de cálculo desarrollada por FHECOR a partir de los datos geométricos y de las acciones que actúan sobre los muros.

- Modelo de pantallas: Se genera un modelo con el programa LARIX, de CUBUS AG. Para el cálculo de la estructura se ha creado un modelo de viga en voladizo en el núcleo de escaleras y viga arriostrada en cabeza en la zona de pasillo. Los esfuerzos obtenidos en dicho modelo permiten el cálculo de las armaduras necesarias en pantallas.

2. REPLANTEO

2 REPLANTEO

Para el replanteo y encaje del falso túnel se ha partido de los datos de trazado de la línea de ferrocarril.

El encaje se ha llevado a cabo con los siguientes criterios:

- La nueva construcción se hace junto al falso túnel ya existente, respetando su ga´libo en ese punto.
- El túnel se desarrolla paralelamente al eje del ferrocarril.
- El gálibo interior está formada por un pórtico de 14.9 m de ancho libre, con el fin de no afectar a los murosde contención del terreno, y una altura mínima de 5.25 m en su unión con la obra existente y 6.50 m en el extremo contrario.
- Los hastiales se han proyectado con 0.80 m de canto de manera uniforme.
- El dintel tiene un espesor de 0.80 m.
- La viga de atado de los pilotes tiene una cota superior igual a la del alzado del ferrocarril

Los puntos básicos de replanteo del paso inferior son los indicados en la siguiente tabla

	X	Y	Z1	Z2	Z3
A	677528.012	4611538.301	207.910	207.110	200.610
B	677519.884	4611525.811	207.910	207.110	200.610
C	677284.842	4611678.271	207.500	206.700	201.450
D	677292.951	4611690.772	207.500	206.700	201.450

En la tabla anterior, la cota Z1 corresponde a la cota del paramento superior del dintel, mientras que Z2 es la cota de la cara inferior de ese mismo dintel, la Z3 representa la cota superior del encepado de pilotes. Los puntos B y D son los que enlazan con la estructura existente.

Con relación al encaje de murosde la boquilla del túnel, en su definición se han seguido los siguientes criterios de inserción en el entorno. Los puntos básicos de replanteo de aletas son los indicados a continuación:

	X	Y	ZB1	ZB2
M	677537.171	4611475.728	203.500	200.000
N	677543.505	4611484.845	203.500	200.000
O	677516.158	4611520.085	203.500	200.000
P	677519.448	4611525.141	203.500	200.000
Q	677528.448	4611538.971	203.500	200.000
R	677530.609	4611542.292	203.500	200.000
S	677585.724	4611556.464	203.500	200.000
T	677586.612	4611547.018	203.500	200.000

La cota ZB1 corresponde a la coronación, la ZB2 indica la posición dela zapata.

La salida de emergencia se replantea por medio de los puntos interiores que se representan a continuación:

	X	Y	ZS1	ZS2	ZS3
E	677297.981	4611687.510	201.431	204.781	-
F	677299.657	4611686.422	201.431	204.781	-
G	677304.596	4611694.036	201.431	204.781	207.470
H	677306.053	4611693.159	201.431	204.781	207.470
I	677307.935	4611696.286	201.431	204.781	207.470
J	677299.950	4611701.092	201.431	204.781	207.470
K	677298.068	4611697.965	201.431	204.781	207.470
L	677302.883	4611695.067	201.431	204.781	207.470

3. CÁLCULO DEL PORTICO

3 CÁLCULO DEL PÓRTICO

3.1 Modelos

Para el cálculo de la estructura del túnel se han utilizado dos modelos de cálculo:

- Modelo de elementos finitos tipo placa (Modelo de cálculo I), para el análisis del reparto transversal de cargas en la losa superior, se ha generado un m.e.f. tipo placa, mediante el programa CEDRUS3, desarrollado por CUBUS AG.

  En este modelo se han incluido los hastiales, considerando su rigidez al giro en cabeza, evaluadas con:

  $$K = 4 (EI / L)$$

  La precisión de esta evaluación se ha verificado con el modelo de barras que se describe más adelante, observando que el reparto de esfuerzos flectores entre losa y hastiales es idéntico.

- Modelo de elementos finitos tipo barra. El cálculo de la estructura (dintel, hastiales y pilotes) se ha realizado con un pórtico plano, formado por elementos finitos tipo barra. Se ha utilizado el programa STATIK3, desarrollado por CUBUS AG.

  Este modelo simula una sección del cajón de 2.00 m de anchura. Está constituido por los siguientes elementos:

  - Dintel superior. Se simula en una primera fase constructiva por medio de una viga de 0.55 x 0.60 para después ser una viga T con losa superior de 0.2 de espesor. La segunda fase se ha calculado para tiempo cero, cuando no existe fluencia aún, y para tiempo infinito, momento en el cual el coeficiente de fluencia alcanza un valor de $\varphi = 2.5$ y el de envejecimiento de $\chi = 0.8$.

    De esa manera la variación de esfuerzos desde tiempo cero a infinito es:

    $$Sinf = So + (Sc - So)* \varphi/(1+\chi\varphi)$$
    $$Sinf = So * 0.15 + Sc * 0.85$$

    Siendo So los esfurezos isostáticos y Sc los hiperestáticos.

    De manera complementaria el pretensado tiene una relajación de un 15%.

  - Hastiales. Constituidas por dos barras de 0.80 m de canto, sin embargo se ha tenido en cuenta la fisuración que se produce en la parte alta como consecuencia de los altos momentos negativos. Por eso se ha permitido una redistribución realizada con una disminución a ¼ del momento de inercia.

  - Viga de atado. Se modeliza con una barra de 1.2 m de canto y 1 m de longitud.

  - Pilotes. Se modeliza con barras de sección rectangular de un canto equivalente, al tratarse de pilotes cada 3 m mientras que el modelo es cada 2 m, en cuyos nudos se alojan las características del suelo (coeficiente de balasto de 100000 kN/m2). Estas características se han variado para contrastar que no se producen variaciones sensibles de los esfuerzos.

  Con la carga determinada en el modelo anterior y con las que actúan directamente sobre el portico (ver apartado 3.3.2 Acciones consideradas), se han dimensionado los elementos que componen la estructura del cajón.

El cálculo llevado a cabo mediante estos modelos es elástico y lineal. Como módulo de deformación se ha tomado el propuesto por la EHE, es decir, 27300 Mpa en todos los elementos.

Con este modelo se han desarrollado los cálculos en servicio y agotamiento del pórtico que se incluyen en los apartados 3.3.5 y 3.3.6.

A continuación se incluye la definición de los modelos utilizados.

3.2 Acciones consideradas

Las cargas consideradas en el cálculo son las siguientes:

- Peso propio del dintel. Se ha considerado una densidad de 25 kN/m^3 y se divide en dos fase: viga rectangular y viga en T.
- Carga muerta. Se ha considerado el espesor de una capa de densidad 23 kN/m3.
- Sobrecarga variable: se han considerado el tren de cargas de la Instrucción de acciones en puentes de carretera:
  - Vehículo pesado de 600 kN.
  - Sobrecarga uniformemente repartida de 4 kN/m2.
- Gradiente térmico entre paramentos de dintel con una diferencia de temperatura de 10ºC.
- Variación uniforme de temperatura de 20 ºC.
- Retracción de 200 microdeformaciones.
- Empuje de tierras en trasdós de hastiales y muros con densidad de 20 kN/m3 y empuje activo.

3.3 Combinación de hipótesis

A continuación, se incluyen los listados de las diferentes combinaciones elegidas para la comprobación del cajón de la obra de paso, tanto en servicio como en agotamiento. Los coeficientes de mayoración y de combinación adoptados corresponden a los indicados en la Instrucción de Hormigón Estructural.

Estado Límite de Servicio

Alternativa	Hipótesis	$\gamma_{favorable}$	$\gamma_{desfavorable}$
1	Peso propio	1.00	1.00
	Carga muerta	1.00	1.00
	Sobrecargas	0.00	1.00
	Empuje tierras	1.00	1.00
	Pretensado	1.00	1.00

Estado Límite Último

Alternativa	Hipótesis	$\gamma_{favorable}$	$\gamma_{desfavorable}$
1	Peso propio	1.00	1.35
	Carga muerta	1.00	1.35
	Sobrecargas	0.00	1.50
	Empuje tierras	1.50	1.50
	Pretensado	1.00	1.00

3.4 Hipótesis individuales y envolventes

Estos listados se incluyen en el apartado 3.5.5 de la presente Memoria y deben permitir la comprobación de los cálculos por personas ajenas al proyecto.

3.5 Comprobaciones en servicio

Se han calculado las envolventes de servicio de los esfuerzos transmitidos por la cimentación del paso inferior.

Con estos esfuerzos se han comprobado que las tensiones transmitidas al terreno son inferiores al valor admisible de 1.5 kg/cm2 en punta.

3.6 Comprobación ELU

Los listados que se adjuntan en el apartado 3.5.7 corrresponden a las envolventes en el cajón de flexión, axil y cortante, obtenidos en el modelo de cálculo plano. En cada caso, se da el esfuerzo envolvente y el par de esfuerzos concomitantes con aquel.

A continuación se incluyen un resumen de los cálculos de comprobación del Estado Límite Último de las secciones interiores. Éstos comprenden:

- Gráficos relativos a las envolventes de flectores, axiles y cortantes en E.L.U.
- Cálculos de dimensionamiento y comprobación de las secciones críticas del paso inferior.

4. CÁLCULO DE MURO

4 CÁLCULO DE MUROS

4.1 Modelo de cálculo

Las muros se han calculado mediante una hoja de cálculo desarrollada por FHECOR Ingenieros Consultores para la comprobación y dimensionamiento de muros.

Los cálculos que se realizan con esta hoja de cálculo son los indicados a continuación:

- Comprobación de tensiones en el terreno. Las dimensiones de las zapatas de las aletas se disponen para verificar que la tensión máxima es de 1.5 kg/cm^2.

- Comprobación frente a deslizamiento y vuelco. Se comprueba que el coeficiente de seguridad frente a estos dos efectos es siempre superior a 1.50.

- Dimensionamiento de la armadura de zapata. Se dimensionan las secciones correspondientes a la puntera de la zapata (armadura longitudinal inferior) y al talón (armadura longitudinal superior). La armadura transversal corresponde a la mínima geométrica, para el que se ha considerado un valor del 0.16 %.

- Dimensionamiento de la armadura del muro. Se calcula la armadura necesaria en la sección inferior.

Los muros dispuestos tienen un canto mínimo de 0.40 m. El canto propuesto para las zapatas es de 0.80 m.

4.2 Acciones

Las acciones que se han considerado en el cálculo de las aletas son las que se indican a continuación:

- Peso propio. Se ha considerado una densidad γ=25.0 kN/m^3.

- Sobrecarga. Se ha tenido en cuenta una sobrecarga de 10 kN/m^2, actúando en el trasdós de los muros.

- Peso de las tierras. La densidad que se ha empleado es γ=20 kN/m^3.

- Empuje de las tierras. Se ha considerado el empuje activo, con γ=20 kN/m^3 y ϕ=30º, teniendo en cuenta que el valor del empuje activo se incrementa cuando el terreno situado en el trasdós no es horizontal. Dicho empuje depende además de los siguientes ángulos:

  - Ángulo α: talud del paramento interior de los muros

  - Ángulo β: corresponde al formado por el terreno situado en el trasdós con la horizontal

  - Ángulo ϕ: ángulo de rozamiento interno del terreno

  - Ángulo δ:ángulo de rozamiento de terreno y muro

El coeficiente de seguridad de mayoración de acciones que se ha empleado es γ_f=1.50.

4.3 Cálculo de muro. Alzados y cimentaciones

La sección que se ha tenido en cuenta en el cálculo del muro es de 3.5 m de altura de forma constante.

5. CÁLCULO DE SALIDA DE EMERGENCIA

5 CÁLCULO DE SALIDA DE EMERGENCIA

5.1 Modelo de cálculo

Las pantallas se han calculado mediante el programa LARIX-2g desarrollado por CUBUS AG que permite el análisis de pantallas en voladizo o arriostradas sometidas a cualquier tipo de cargas, por medio de las teorías de Rankine y Coulomb, y dismimuyendo 1/3 el empuje pasivo.

El programa determina la longitud de empotramiento necesaria en función del tipo de pantalla, cargas y terreno considerado.

Los tipos de pantallas considerados son:

- Tipo 1: pantallas de 0.30 m de espesor arriostrada en cabeza por la losa de hormigón del pasillo de la salida. La longitud no empotrada es de 3.35 m.
- Tipo 2: pantallas de 0.45 0 de espesor en voladizo en sus 3.35 m de longitud sin empotrar

5.2 Acciones

Las acciones que se han considerado en el cálculo de las aletas son las que se indican a continuación:

- Peso de las tierras. La densidad que se ha empleado es γ=20 kN/m^3.
- Empuje de las tierras.
  - Ángulo ϕ: ángulo de rozamiento interno del terreno
  - C: cohesión

El coeficiente de seguridad de mayoración de acciones que se ha empleado es γ_f=1.50.

5.3 Cálculo de pantallas. Alzados.

La altura libre tomada es de 3.35 m siendo arriostrada en cabeza en el caso del tipo 1 y en voladizo en el 2.

6. RESULTADOS DEL CALCULO. LISTADOS

.6 RESULTADOS DEL CALCULO. LISTADOS

6.1 Replanteo. Puntos básicos de replanteo

- Túnel

	X	Y	Z1	Z2	Z3
A	677528.012	4611538.301	207.910	207.110	200.610
B	677519.884	4611525.811	207.910	207.110	200.610
C	677284.842	4611678.271	207.500	206.700	201.450
D	677292.951	4611690.772	207.500	206.700	201.450

- Boquilla

	X	Y	ZB1	ZB2
M	677537.171	4611475.728	203.500	200.000
N	677543.505	4611484.845	203.500	200.000
O	677516.158	4611520.085	203.500	200.000
P	677519.448	4611525.141	203.500	200.000
Q	677528.448	4611538.971	203.500	200.000
R	677530.609	4611542.292	203.500	200.000
S	677585.724	4611556.464	203.500	200.000
T	677586.612	4611547.018	203.500	200.000

- Salida de emergencia

	X	Y	ZS1	ZS2	ZS3
E	677297.981	4611687.510	201.431	204.781	-
F	677299.657	4611686.422	201.431	204.781	-
G	677304.596	4611694.036	201.431	204.781	207.470
H	677306.053	4611693.159	201.431	204.781	207.470
I	677307.935	4611696.286	201.431	204.781	207.470
J	677299.950	4611701.092	201.431	204.781	207.470
K	677298.068	4611697.965	201.431	204.781	207.470
L	677302.883	4611695.067	201.431	204.781	207.470

6.2 Modelo de cálculo I. Modelo elementos finitos tipo placa. Dintel.

En las páginas siguientes se adjunta la descripción del modelo desarrollado así como la entrada de cargas.

También se incluyen los resultados correspondientes a las hipótesis individuales utilzadas en este modelo auxiliar.

DATOS CONTORNO: (ID=A)

COORDENADAS: (Optimizado Nº de nudos)

Nudo	X-Coord [m]	Y-Coord [m]	Nudo	X-Coord [m]	Y-Coord [m]	Nudo	X-Coord [m]	Y-Coord [m]
Puntos contorno								
1	0.000	0.000	21	0.000	15.700	1030	32.450	0.000
1050	32.450	15.700						

CANTOS Y MATERIALES:

d : Canto losa
Emod : Módulo de elasticidad
Nue : Poisson
Adir : Dirección x para salida de resultados
Mdir : Dirección principales para materiales
d11.. : Coeficientes de ortotropia
h : Canto nervio
dPlt : Canto de la losa al lado del nervio (0 = adoptar)
dÜbr : Canto del espesor superior
Dir : Dirección del eje del nervio

U1: nervio h = 0.800 [m] Adir= 0.00 [Grados]
Emod=2.70E+07 [kN/m2] dPlt= 0.200 [m] dsup= 0.000 [m]
Rcht= 90.00 [Grad]

U2: nervio h = 0.800 [m] Adir= 0.00 [Grados]
Emod=2.70E+07 [kN/m2] dPlt= 0.200 [m] dsup= 0.000 [m]
Rcht= 90.00 [Grad]

U3: nervio h = 0.800 [m] Adir= 0.00 [Grados]
Emod=2.70E+07 [kN/m2] dPlt= 0.200 [m] dsup= 0.000 [m]
Rcht= 90.00 [Grad]

U4: nervio h = 0.800 [m] Adir= 0.00 [Grados]
Emod=2.70E+07 [kN/m2] dPlt= 0.200 [m] dsup= 0.000 [m]
Rcht= 90.00 [Grad]

U5: nervio h = 0.800 [m] Adir= 0.00 [Grados]
Emod=2.70E+07 [kN/m2] dPlt= 0.200 [m] dsup= 0.000 [m]
Rcht= 90.00 [Grad]

U6: nervio h = 0.800 [m] Adir= 0.00 [Grados]
Emod=2.70E+07 [kN/m2] dPlt= 0.200 [m] dsup= 0.000 [m]
Rcht= 90.00 [Grad]

U7: nervio h = 0.800 [m] Adir= 0.00 [Grados]
Emod=2.70E+07 [kN/m2] dPlt= 0.200 [m] dsup= 0.000 [m]
Rcht= 90.00 [Grad]

U8: nervio h = 0.800 [m] Adir= 0.00 [Grados]
Emod=2.70E+07 [kN/m2] dPlt= 0.200 [m] dsup= 0.000 [m]
Rcht= 90.00 [Grad]

U9: nervio h = 0.800 [m] Adir= 0.00 [Grados]
Emod=2.70E+07 [kN/m2] dPlt= 0.200 [m] dsup= 0.000 [m]
Rcht= 90.00 [Grad]

U10: nervio h = 0.800 [m] Adir= 0.00 [Grados]
Emod=2.70E+07 [kN/m2] dPlt= 0.200 [m] dsup= 0.000 [m]
Rcht= 90.00 [Grad]

U11: nervio h = 0.800 [m] Adir= 0.00 [Grados]
Emod=2.70E+07 [kN/m2] dPlt= 0.200 [m] dsup= 0.000 [m]
Rcht= 90.00 [Grad]

U12: nervio h = 0.800 [m] Adir= 0.00 [Grados]
Emod=2.70E+07 [kN/m2] dPlt= 0.200 [m] dsup= 0.000 [m]
Rcht= 90.00 [Grad]

U13: nervio h = 0.800 [m] Adir= 0.00 [Grados]
Emod=2.70E+07 [kN/m2] dPlt= 0.200 [m] dsup= 0.000 [m]
Rcht= 90.00 [Grad]

U14: nervio h = 0.800 [m] Adir= 0.00 [Grados]
Emod=2.70E+07 [kN/m2] dPlt= 0.200 [m] dsup= 0.000 [m]
Rcht= 90.00 [Grad]

U15: nervio h = 0.800 [m] Adir= 0.00 [Grados]
Emod=2.70E+07 [kN/m2] dPlt= 0.200 [m] dsup= 0.000 [m]
Rcht= 90.00 [Grad]

U16: nervio h = 0.800 [m] Adir= 0.00 [Grados]
Emod=2.70E+07 [kN/m2] dPlt= 0.200 [m] dsup= 0.000 [m]
Rcht= 90.00 [Grad]

U17: nervio h = 0.800 [m] Adir= 0.00 [Grados]
Emod=2.70E+07 [kN/m2] dPlt= 0.200 [m] dsup= 0.000 [m]
Rcht= 90.00 [Grad]

I18: Isótropo d = 0.200 [m] Adir= 0.00 [Grados]
modE=2.70E+07 [kN/m2] Nue = 0.167 [-] drec= 0.000 [m]

NERVIOS

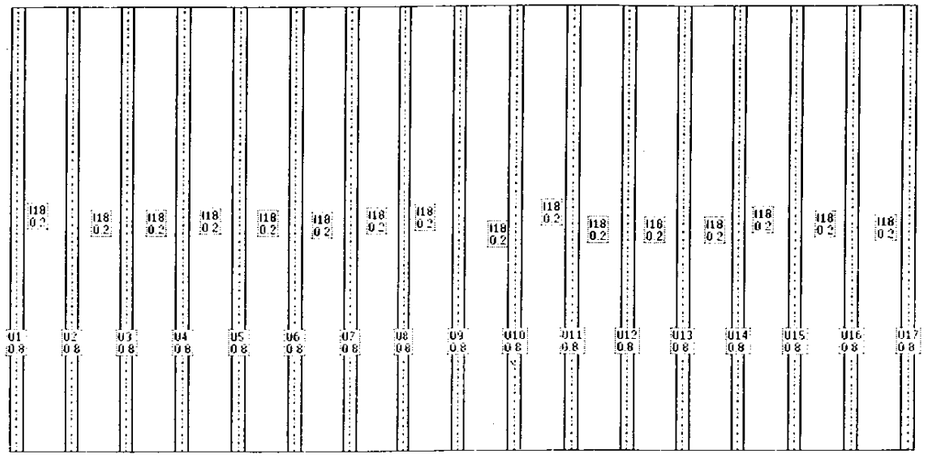
Ident	X-Ini [m]	Y-Ini [m]	X-Fin [m]	Y-Fin [m]
U1	0.225	0.000	0.225	15.700
U2	2.225	0.000	2.225	15.700
U3	4.225	0.000	4.225	15.700
U4	6.225	0.000	6.225	15.700
U5	8.225	0.000	8.225	15.700
U6	10.225	0.000	10.225	15.700
U7	12.225	0.000	12.225	15.700
U8	14.225	0.000	14.225	15.700
U9	16.225	0.000	16.225	15.700
U10	18.225	0.000	18.225	15.700
U11	20.225	0.000	20.225	15.700
U12	22.225	0.000	22.225	15.700
U13	24.225	0.000	24.225	15.700
U14	26.225	0.000	26.225	15.700
U15	28.225	0.000	28.225	15.700

Ident	X-Ini [m]	Y-Ini [m]	X-Fin [m]	Y-Fin [m]
U16	30.225	0.000	30.225	15.700
U17	32.225	0.000	32.225	15.700

APOYOS PUNTUALES/línealES

Id	tipo	vz [kN/m2]	rx [kNm/m]	ry [kNm/m]	Angulo [Grados]
Apoyo línea:					
L1: elástico		bloqueado	706207.0	bloqueado	0.000
	Nu:	L11 = 21	L12 = 42	L13 = 63	L14 = 84
		L15 = 105	L16 = 126	L17 = 147	L18 = 168
		L19 = 189	L110 = 210	L111 = 231	L112 = 252
		L113 = 273	L114 = 294	L115 = 315	L116 = 336
		L117 = 357	L118 = 378	L119 = 399	L120 = 420
		L121 = 441	L122 = 462	L123 = 483	L124 = 504
		L125 = 525	L126 = 546	L127 = 567	L128 = 588
		L129 = 609	L130 = 630	L131 = 651	L132 = 672
		L133 = 693	L134 = 714	L135 = 735	L136 = 756
		L137 = 777	L138 = 798	L139 = 819	L140 = 840
		L141 = 861	L142 = 882	L143 = 903	L144 = 924
		L145 = 945	L146 = 966	L147 = 987	L148 = 1008
		L149 = 1029	L150 = 1050		
L2: elástico		bloqueado	706207.0	bloqueado	180.000
	Nu:	L21 = 1030	L22 = 1009	L23 = 988	L24 = 967
		L25 = 946	L26 = 925	L27 = 904	L28 = 883
		L29 = 862	L210 = 841	L211 = 820	L212 = 799
		L213 = 778	L214 = 757	L215 = 736	L216 = 715
		L217 = 694	L218 = 673	L219 = 652	L220 = 631
		L221 = 610	L222 = 589	L223 = 568	L224 = 547
		L225 = 526	L226 = 505	L227 = 484	L228 = 463
		L229 = 442	L230 = 421	L231 = 400	L232 = 379
		L233 = 358	L234 = 337	L235 = 316	L236 = 295
		L237 = 274	L238 = 253	L239 = 232	L240 = 211
		L241 = 190	L242 = 169	L243 = 148	L244 = 127
		L245 = 106	L246 = 85	L247 = 64	L248 = 43
		L249 = 22	L250 = 1		

Escala 1 : 211.6
Geometrie (ID=A)
- Zonas de materiales
- ID zona material y canto [m]



MALLA EF:
=========

COORDENADAS (Nº de nudos optimizados)

Nº-Nu	X-Coord [m]	Y-Coord [m]	Nº-Nu	X-Coord [m]	Y-Coord [m]	Nº-Nu	X-Coord [m]	Y-Coord [m]
1	0.000	0.000	2	0.000	0.785	3	0.000	1.570
4	0.000	2.355	5	0.000	3.140	6	0.000	3.925
7	0.000	4.710	8	0.000	5.495	9	0.000	6.280
10	0.000	7.065	11	0.000	7.850	12	0.000	8.635
13	0.000	9.420	14	0.000	10.205	15	0.000	10.990
16	0.000	11.775	17	0.000	12.560	18	0.000	13.345
19	0.000	14.130	20	0.000	14.915	21	0.000	15.700
22	0.450	0.000	23	0.450	0.785	24	0.450	1.570
25	0.450	2.355	26	0.450	3.140	27	0.450	3.925
28	0.450	4.710	29	0.450	5.495	30	0.450	6.280
31	0.450	7.065	32	0.450	7.850	33	0.450	8.635
34	0.450	9.420	35	0.450	10.205	36	0.450	10.990
37	0.450	11.775	38	0.450	12.560	39	0.450	13.345
40	0.450	14.130	41	0.450	14.915	42	0.450	15.700
43	1.225	0.000	44	1.225	0.785	45	1.225	1.570
46	1.225	2.355	47	1.225	3.140	48	1.225	3.925
49	1.225	4.710	50	1.225	5.495	51	1.225	6.280
52	1.225	7.065	53	1.225	7.850	54	1.225	8.635
55	1.225	9.420	56	1.225	10.205	57	1.225	10.990
58	1.225	11.775	59	1.225	12.560	60	1.225	13.345
61	1.225	14.130	62	1.225	14.915	63	1.225	15.700
64	2.000	0.000	65	2.000	0.785	66	2.000	1.570

Nº-Nu	X-Coord [m]	Y-Coord [m]	Nº-Nu	X-Coord [m]	Y-Coord [m]	Nº-Nu	X-Coord [m]	Y-Coord [m]
67	2.000	2.355	68	2.000	3.140	69	2.000	3.925
70	2.000	4.710	71	2.000	5.495	72	2.000	6.280
73	2.000	7.065	74	2.000	7.850	75	2.000	8.635
76	2.000	9.420	77	2.000	10.205	78	2.000	10.990
79	2.000	11.775	80	2.000	12.560	81	2.000	13.345
82	2.000	14.130	83	2.000	14.915	84	2.000	15.700
85	2.450	0.000	86	2.450	0.785	87	2.450	1.570
88	2.450	2.355	89	2.450	3.140	90	2.450	3.925
91	2.450	4.710	92	2.450	5.495	93	2.450	6.280
94	2.450	7.065	95	2.450	7.850	96	2.450	8.635
97	2.450	9.420	98	2.450	10.205	99	2.450	10.990
100	2.450	11.775	101	2.450	12.560	102	2.450	13.345
103	2.450	14.130	104	2.450	14.915	105	2.450	15.700
106	3.225	0.000	107	3.225	0.785	108	3.225	1.570
109	3.225	2.355	110	3.225	3.140	111	3.225	3.925
112	3.225	4.710	113	3.225	5.495	114	3.225	6.280
115	3.225	7.065	116	3.225	7.850	117	3.225	8.635
118	3.225	9.420	119	3.225	10.205	120	3.225	10.990
121	3.225	11.775	122	3.225	12.560	123	3.225	13.345
124	3.225	14.130	125	3.225	14.915	126	3.225	15.700
127	4.000	0.000	128	4.000	0.785	129	4.000	1.570
130	4.000	2.355	131	4.000	3.140	132	4.000	3.925
133	4.000	4.710	134	4.000	5.495	135	4.000	6.280
136	4.000	7.065	137	4.000	7.850	138	4.000	8.635
139	4.000	9.420	140	4.000	10.205	141	4.000	10.990
142	4.000	11.775	143	4.000	12.560	144	4.000	13.345
145	4.000	14.130	146	4.000	14.915	147	4.000	15.700
148	4.450	0.000	149	4.450	0.785	150	4.450	1.570
151	4.450	2.355	152	4.450	3.140	153	4.450	3.925
154	4.450	4.710	155	4.450	5.495	156	4.450	6.280
157	4.450	7.065	158	4.450	7.850	159	4.450	8.635
160	4.450	9.420	161	4.450	10.205	162	4.450	10.990
163	4.450	11.775	164	4.450	12.560	165	4.450	13.345
166	4.450	14.130	167	4.450	14.915	168	4.450	15.700
169	5.225	0.000	170	5.225	0.785	171	5.225	1.570
172	5.225	2.355	173	5.225	3.140	174	5.225	3.925
175	5.225	4.710	176	5.225	5.495	177	5.225	6.280
178	5.225	7.065	179	5.225	7.850	180	5.225	8.635
181	5.225	9.420	182	5.225	10.205	183	5.225	10.990
184	5.225	11.775	185	5.225	12.560	186	5.225	13.345
187	5.225	14.130	188	5.225	14.915	189	5.225	15.700
190	6.000	0.000	191	6.000	0.785	192	6.000	1.570
193	6.000	2.355	194	6.000	3.140	195	6.000	3.925
196	6.000	4.710	197	6.000	5.495	198	6.000	6.280
199	6.000	7.065	200	6.000	7.850	201	6.000	8.635
202	6.000	9.420	203	6.000	10.205	204	6.000	10.990
205	6.000	11.775	206	6.000	12.560	207	6.000	13.345
208	6.000	14.130	209	6.000	14.915	210	6.000	15.700
211	6.450	0.000	212	6.450	0.785	213	6.450	1.570
214	6.450	2.355	215	6.450	3.140	216	6.450	3.925
217	6.450	4.710	218	6.450	5.495	219	6.450	6.280
220	6.450	7.065	221	6.450	7.850	222	6.450	8.635
223	6.450	9.420	224	6.450	10.205	225	6.450	10.990
226	6.450	11.775	227	6.450	12.560	228	6.450	13.345

Nº-Nu	X-Coord [m]	Y-Coord [m]	Nº-Nu	X-Coord [m]	Y-Coord [m]	Nº-Nu	X-Coord [m]	Y-Coord [m]
229	6.450	14.130	230	6.450	14.915	231	6.450	15.700
232	7.225	0.000	233	7.225	0.785	234	7.225	1.570
235	7.225	2.355	236	7.225	3.140	237	7.225	3.925
238	7.225	4.710	239	7.225	5.495	240	7.225	6.280
241	7.225	7.065	242	7.225	7.850	243	7.225	8.635
244	7.225	9.420	245	7.225	10.205	246	7.225	10.990
247	7.225	11.775	248	7.225	12.560	249	7.225	13.345
250	7.225	14.130	251	7.225	14.915	252	7.225	15.700
253	8.000	0.000	254	8.000	0.785	255	8.000	1.570
256	8.000	2.355	257	8.000	3.140	258	8.000	3.925
259	8.000	4.710	260	8.000	5.495	261	8.000	6.280
262	8.000	7.065	263	8.000	7.850	264	8.000	8.635
265	8.000	9.420	266	8.000	10.205	267	8.000	10.990
268	8.000	11.775	269	8.000	12.560	270	8.000	13.345
271	8.000	14.130	272	8.000	14.915	273	8.000	15.700
274	8.450	0.000	275	8.450	0.785	276	8.450	1.570
277	8.450	2.355	278	8.450	3.140	279	8.450	3.925
280	8.450	4.710	281	8.450	5.495	282	8.450	6.280
283	8.450	7.065	284	8.450	7.850	285	8.450	8.635
286	8.450	9.420	287	8.450	10.205	288	8.450	10.990
289	8.450	11.775	290	8.450	12.560	291	8.450	13.345
292	8.450	14.130	293	8.450	14.915	294	8.450	15.700
295	9.225	0.000	296	9.225	0.785	297	9.225	1.570
298	9.225	2.355	299	9.225	3.140	300	9.225	3.925
301	9.225	4.710	302	9.225	5.495	303	9.225	6.280
304	9.225	7.065	305	9.225	7.850	306	9.225	8.635
307	9.225	9.420	308	9.225	10.205	309	9.225	10.990
310	9.225	11.775	311	9.225	12.560	312	9.225	13.345
313	9.225	14.130	314	9.225	14.915	315	9.225	15.700
316	10.000	0.000	317	10.000	0.785	318	10.000	1.570
319	10.000	2.355	320	10.000	3.140	321	10.000	3.925
322	10.000	4.710	323	10.000	5.495	324	10.000	6.280
325	10.000	7.065	326	10.000	7.850	327	10.000	8.635
328	10.000	9.420	329	10.000	10.205	330	10.000	10.990
331	10.000	11.775	332	10.000	12.560	333	10.000	13.345
334	10.000	14.130	335	10.000	14.915	336	10.000	15.700
337	10.450	0.000	338	10.450	0.785	339	10.450	1.570
340	10.450	2.355	341	10.450	3.140	342	10.450	3.925
343	10.450	4.710	344	10.450	5.495	345	10.450	6.280
346	10.450	7.065	347	10.450	7.850	348	10.450	8.635
349	10.450	9.420	350	10.450	10.205	351	10.450	10.990
352	10.450	11.775	353	10.450	12.560	354	10.450	13.345
355	10.450	14.130	356	10.450	14.915	357	10.450	15.700
358	11.225	0.000	359	11.225	0.785	360	11.225	1.570
361	11.225	2.355	362	11.225	3.140	363	11.225	3.925
364	11.225	4.710	365	11.225	5.495	366	11.225	6.280
367	11.225	7.065	368	11.225	7.850	369	11.225	8.635
370	11.225	9.420	371	11.225	10.205	372	11.225	10.990
373	11.225	11.775	374	11.225	12.560	375	11.225	13.345
376	11.225	14.130	377	11.225	14.915	378	11.225	15.700
379	12.000	0.000	380	12.000	0.785	381	12.000	1.570
382	12.000	2.355	383	12.000	3.140	384	12.000	3.925
385	12.000	4.710	386	12.000	5.495	387	12.000	6.280
388	12.000	7.065	389	12.000	7.850	390	12.000	8.635

Nº-Nu	X-Coord [m]	Y-Coord [m]	Nº-Nu	X-Coord [m]	-Y-Coord [m]	Nº-Nu	X-Coord [m]	Y-Coord [m]
391	12.000	9.420	392	12.000	10.205	393	12.000	10.990
394	12.000	11.775	395	12.000	12.560	396	12.000	13.345
397	12.000	14.130	398	12.000	14.915	399	12.000	15.700
400	12.450	0.000	401	12.450	0.785	402	12.450	1.570
403	12.450	2.355	404	12.450	3.140	405	12.450	3.925
406	12.450	4.710	407	12.450	5.495	408	12.450	6.280
409	12.450	7.065	410	12.450	7.850	411	12.450	8.635
412	12.450	9.420	413	12.450	10.205	414	12.450	10.990
415	12.450	11.775	416	12.450	12.560	417	12.450	13.345
418	12.450	14.130	419	12.450	14.915	420	12.450	15.700
421	13.225	0.000	422	13.225	0.785	423	13.225	1.570
424	13.225	2.355	425	13.225	3.140	426	13.225	3.925
427	13.225	4.710	428	13.225	5.495	429	13.225	6.280
430	13.225	7.065	431	13.225	7.850	432	13.225	8.635
433	13.225	9.420	434	13.225	10.205	435	13.225	10.990
436	13.225	11.775	437	13.225	12.560	438	13.225	13.345
439	13.225	14.130	440	13.225	14.915	441	13.225	15.700
442	14.000	0.000	443	14.000	0.785	444	14.000	1.570
445	14.000	2.355	446	14.000	3.140	447	14.000	3.925
448	14.000	4.710	449	14.000	5.495	450	14.000	6.280
451	14.000	7.065	452	14.000	7.850	453	14.000	8.635
454	14.000	9.420	455	14.000	10.205	456	14.000	10.990
457	14.000	11.775	458	14.000	12.560	459	14.000	13.345
460	14.000	14.130	461	14.000	14.915	462	14.000	15.700
463	14.450	0.000	464	14.450	0.785	465	14.450	1.570
466	14.450	2.355	467	14.450	3.140	468	14.450	3.925
469	14.450	4.710	470	14.450	5.495	471	14.450	6.280
472	14.450	7.065	473	14.450	7.850	474	14.450	8.635
475	14.450	9.420	476	14.450	10.205	477	14.450	10.990
478	14.450	11.775	479	14.450	12.560	480	14.450	13.345
481	14.450	14.130	482	14.450	14.915	483	14.450	15.700
484	15.225	0.000	485	15.225	0.785	486	15.225	1.570
487	15.225	2.355	488	15.225	3.140	489	15.225	3.925
490	15.225	4.710	491	15.225	5.495	492	15.225	6.280
493	15.225	7.065	494	15.225	7.850	495	15.225	8.635
496	15.225	9.420	497	15.225	10.205	498	15.225	10.990
499	15.225	11.775	500	15.225	12.560	501	15.225	13.345
502	15.225	14.130	503	15.225	14.915	504	15.225	15.700
505	16.000	0.000	506	16.000	0.785	507	16.000	1.570
508	16.000	2.355	509	16.000	3.140	510	16.000	3.925
511	16.000	4.710	512	16.000	5.495	513	16.000	6.280
514	16.000	7.065	515	16.000	7.850	516	16.000	8.635
517	16.000	9.420	518	16.000	10.205	519	16.000	10.990
520	16.000	11.775	521	16.000	12.560	522	16.000	13.345
523	16.000	14.130	524	16.000	14.915	525	16.000	15.700
526	16.450	0.000	527	16.450	0.785	528	16.450	1.570
529	16.450	2.355	530	16.450	3.140	531	16.450	3.925
532	16.450	4.710	533	16.450	5.495	534	16.450	6.280
535	16.450	7.065	536	16.450	7.850	537	16.450	8.635
538	16.450	9.420	539	16.450	10.205	540	16.450	10.990
541	16.450	11.775	542	16.450	12.560	543	16.450	13.345
544	16.450	14.130	545	16.450	14.915	546	16.450	15.700
547	17.225	0.000	548	17.225	0.785	549	17.225	1.570
550	17.225	2.355	551	17.225	3.140	552	17.225	3.925

Nº-Nu	X-Coord [m]	Y-Coord [m]	Nº-Nu	X-Coord [m]	Y-Coord [m]	Nº-Nu	X-Coord [m]	Y-Coord [m]
553	17.225	4.710	554	17.225	5.495	555	17.225	6.280
556	17.225	7.065	557	17.225	7.850	558	17.225	8.635
559	17.225	9.420	560	17.225	10.205	561	17.225	10.990
562	17.225	11.775	563	17.225	12.560	564	17.225	13.345
565	17.225	14.130	566	17.225	14.915	567	17.225	15.700
568	18.000	0.000	569	18.000	0.785	570	18.000	1.570
571	18.000	2.355	572	18.000	3.140	573	18.000	3.925
574	18.000	4.710	575	18.000	5.495	576	18.000	6.280
577	18.000	7.065	578	18.000	7.850	579	18.000	8.635
580	18.000	9.420	581	18.000	10.205	582	18.000	10.990
583	18.000	11.775	584	18.000	12.560	585	18.000	13.345
586	18.000	14.130	587	18.000	14.915	588	18.000	15.700
589	18.450	0.000	590	18.450	0.785	591	18.450	1.570
592	18.450	2.355	593	18.450	3.140	594	18.450	3.925
595	18.450	4.710	596	18.450	5.495	597	18.450	6.280
598	18.450	7.065	599	18.450	7.850	600	18.450	8.635
601	18.450	9.420	602	18.450	10.205	603	18.450	10.990
604	18.450	11.775	605	18.450	12.560	606	18.450	13.345
607	18.450	14.130	608	18.450	14.915	609	18.450	15.700
610	19.225	0.000	611	19.225	0.785	612	19.225	1.570
613	19.225	2.355	614	19.225	3.140	615	19.225	3.925
616	19.225	4.710	617	19.225	5.495	618	19.225	6.280
619	19.225	7.065	620	19.225	7.850	621	19.225	8.635
622	19.225	9.420	623	19.225	10.205	624	19.225	10.990
625	19.225	11.775	626	19.225	12.560	627	19.225	13.345
628	19.225	14.130	629	19.225	14.915	630	19.225	15.700
631	20.000	0.000	632	20.000	0.785	633	20.000	1.570
634	20.000	2.355	635	20.000	3.140	636	20.000	3.925
637	20.000	4.710	638	20.000	5.495	639	20.000	6.280
640	20.000	7.065	641	20.000	7.850	642	20.000	8.635
643	20.000	9.420	644	20.000	10.205	645	20.000	10.990
646	20.000	11.775	647	20.000	12.560	648	20.000	13.345
649	20.000	14.130	650	20.000	14.915	651	20.000	15.700
652	20.450	0.000	653	20.450	0.785	654	20.450	1.570
655	20.450	2.355	656	20.450	3.140	657	20.450	3.925
658	20.450	4.710	659	20.450	5.495	660	20.450	6.280
661	20.450	7.065	662	20.450	7.850	663	20.450	8.635
664	20.450	9.420	665	20.450	10.205	666	20.450	10.990
667	20.450	11.775	668	20.450	12.560	669	20.450	13.345
670	20.450	14.130	671	20.450	14.915	672	20.450	15.700
673	21.225	0.000	674	21.225	0.785	675	21.225	1.570
676	21.225	2.355	677	21.225	3.140	678	21.225	3.925
679	21.225	4.710	680	21.225	5.495	681	21.225	6.280
682	21.225	7.065	683	21.225	7.850	684	21.225	8.635
685	21.225	9.420	686	21.225	10.205	687	21.225	10.990
688	21.225	11.775	689	21.225	12.560	690	21.225	13.345
691	21.225	14.130	692	21.225	14.915	693	21.225	15.700
694	22.000	0.000	695	22.000	0.785	696	22.000	1.570
697	22.000	2.355	698	22.000	3.140	699	22.000	3.925
700	22.000	4.710	701	22.000	5.495	702	22.000	6.280
703	22.000	7.065	704	22.000	7.850	705	22.000	8.635
706	22.000	9.420	707	22.000	10.205	708	22.000	10.990
709	22.000	11.775	710	22.000	12.560	711	22.000	13.345
712	22.000	14.130	713	22.000	14.915	714	22.000	15.700

Nº-Nu	X-Coord [m]	Y-Coord [m]	Nº-Nu	X-Coord [m]	Y-Coord [m]	Nº-Nu	X-Coord [m]	Y-Coord [m]
715	22.450	0.000	716	22.450	0.785	717	22.450	1.570
718	22.450	2.355	719	22.450	3.140	720	22.450	3.925
721	22.450	4.710	722	22.450	5.495	723	22.450	6.280
724	22.450	7.065	725	22.450	7.850	726	22.450	8.635
727	22.450	9.420	728	22.450	10.205	729	22.450	10.990
730	22.450	11.775	731	22.450	12.560	732	22.450	13.345
733	22.450	14.130	734	22.450	14.915	735	22.450	15.700
736	23.225	0.000	737	23.225	0.785	738	23.225	1.570
739	23.225	2.355	740	23.225	3.140	741	23.225	3.925
742	23.225	4.710	743	23.225	5.495	744	23.225	6.280
745	23.225	7.065	746	23.225	7.850	747	23.225	8.635
748	23.225	9.420	749	23.225	10.205	750	23.225	10.990
751	23.225	11.775	752	23.225	12.560	753	23.225	13.345
754	23.225	14.130	755	23.225	14.915	756	23.225	15.700
757	24.000	0.000	758	24.000	0.785	759	24.000	1.570
760	24.000	2.355	761	24.000	3.140	762	24.000	3.925
763	24.000	4.710	764	24.000	5.495	765	24.000	6.280
766	24.000	7.065	767	24.000	7.850	768	24.000	8.635
769	24.000	9.420	770	24.000	10.205	771	24.000	10.990
772	24.000	11.775	773	24.000	12.560	774	24.000	13.345
775	24.000	14.130	776	24.000	14.915	777	24.000	15.700
778	24.450	0.000	779	24.450	0.785	780	24.450	1.570
781	24.450	2.355	782	24.450	3.140	783	24.450	3.925
784	24.450	4.710	785	24.450	5.495	786	24.450	6.280
787	24.450	7.065	788	24.450	7.850	789	24.450	8.635
790	24.450	9.420	791	24.450	10.205	792	24.450	10.990
793	24.450	11.775	794	24.450	12.560	795	24.450	13.345
796	24.450	14.130	797	24.450	14.915	798	24.450	15.700
799	25.225	0.000	800	25.225	0.785	801	25.225	1.570
802	25.225	2.355	803	25.225	3.140	804	25.225	3.925
805	25.225	4.710	806	25.225	5.495	807	25.225	6.280
808	25.225	7.065	809	25.225	7.850	810	25.225	8.635
811	25.225	9.420	812	25.225	10.205	813	25.225	10.990
814	25.225	11.775	815	25.225	12.560	816	25.225	13.345
817	25.225	14.130	818	25.225	14.915	819	25.225	15.700
820	26.000	0.000	821	26.000	0.785	822	26.000	1.570
823	26.000	2.355	824	26.000	3.140	825	26.000	3.925
826	26.000	4.710	827	26.000	5.495	828	26.000	6.280
829	26.000	7.065	830	26.000	7.850	831	26.000	8.635
832	26.000	9.420	833	26.000	10.205	834	26.000	10.990
835	26.000	11.775	836	26.000	12.560	837	26.000	13.345
838	26.000	14.130	839	26.000	14.915	840	26.000	15.700
841	26.450	0.000	842	26.450	0.785	843	26.450	1.570
844	26.450	2.355	845	26.450	3.140	846	26.450	3.925
847	26.450	4.710	848	26.450	5.495	849	26.450	6.280
850	26.450	7.065	851	26.450	7.850	852	26.450	8.635
853	26.450	9.420	854	26.450	10.205	855	26.450	10.990
856	26.450	11.775	857	26.450	12.560	858	26.450	13.345
859	26.450	14.130	860	26.450	14.915	861	26.450	15.700
862	27.225	0.000	863	27.225	0.785	864	27.225	1.570
865	27.225	2.355	866	27.225	3.140	867	27.225	3.925
868	27.225	4.710	869	27.225	5.495	870	27.225	6.280
871	27.225	7.065	872	27.225	7.850	873	27.225	8.635
874	27.225	9.420	875	27.225	10.205	876	27.225	10.990

Nº-Nu	X-Coord [m]	Y-Coord [m]	Nº-Nu	X-Coord [m]	Y-Coord [m]	Nº-Nu	X-Coord [m]	Y-Coord [m]
877	27.225	11.775	878	27.225	12.560	879	27.225	13.345
880	27.225	14.130	881	27.225	14.915	882	27.225	15.700
883	28.000	0.000	884	28.000	0.785	885	28.000	1.570
886	28.000	2.355	887	28.000	3.140	888	28.000	3.925
889	28.000	4.710	890	28.000	5.495	891	28.000	6.280
892	28.000	7.065	893	28.000	7.850	894	28.000	8.635
895	28.000	9.420	896	28.000	10.205	897	28.000	10.990
898	28.000	11.775	899	28.000	12.560	900	28.000	13.345
901	28.000	14.130	902	28.000	14.915	903	28.000	15.700
904	28.450	0.000	905	28.450	0.785	906	28.450	1.570
907	28.450	2.355	908	28.450	3.140	909	28.450	3.925
910	28.450	4.710	911	28.450	5.495	912	28.450	6.280
913	28.450	7.065	914	28.450	7.850	915	28.450	8.635
916	28.450	9.420	917	28.450	10.205	918	28.450	10.990
919	28.450	11.775	920	28.450	12.560	921	28.450	13.345
922	28.450	14.130	923	28.450	14.915	924	28.450	15.700
925	29.225	0.000	926	29.225	0.785	927	29.225	1.570
928	29.225	2.355	929	29.225	3.140	930	29.225	3.925
931	29.225	4.710	932	29.225	5.495	933	29.225	6.280
934	29.225	7.065	935	29.225	7.850	936	29.225	8.635
937	29.225	9.420	938	29.225	10.205	939	29.225	10.990
940	29.225	11.775	941	29.225	12.560	942	29.225	13.345
943	29.225	14.130	944	29.225	14.915	945	29.225	15.700
946	30.000	0.000	947	30.000	0.785	948	30.000	1.570
949	30.000	2.355	950	30.000	3.140	951	30.000	3.925
952	30.000	4.710	953	30.000	5.495	954	30.000	6.280
955	30.000	7.065	956	30.000	7.850	957	30.000	8.635
958	30.000	9.420	959	30.000	10.205	960	30.000	10.990
961	30.000	11.775	962	30.000	12.560	963	30.000	13.345
964	30.000	14.130	965	30.000	14.915	966	30.000	15.700
967	30.450	0.000	968	30.450	0.785	969	30.450	1.570
970	30.450	2.355	971	30.450	3.140	972	30.450	3.925
973	30.450	4.710	974	30.450	5.495	975	30.450	6.280
976	30.450	7.065	977	30.450	7.850	978	30.450	8.635
979	30.450	9.420	980	30.450	10.205	981	30.450	10.990
982	30.450	11.775	983	30.450	12.560	984	30.450	13.345
985	30.450	14.130	986	30.450	14.915	987	30.450	15.700
988	31.225	0.000	989	31.225	0.785	990	31.225	1.570
991	31.225	2.355	992	31.225	3.140	993	31.225	3.925
994	31.225	4.710	995	31.225	5.495	996	31.225	6.280
997	31.225	7.065	998	31.225	7.850	999	31.225	8.635
1000	31.225	9.420	1001	31.225	10.205	1002	31.225	10.990
1003	31.225	11.775	1004	31.225	12.560	1005	31.225	13.345
1006	31.225	14.130	1007	31.225	14.915	1008	31.225	15.700
1009	32.000	0.000	1010	32.000	0.785	1011	32.000	1.570
1012	32.000	2.355	1013	32.000	3.140	1014	32.000	3.925
1015	32.000	4.710	1016	32.000	5.495	1017	32.000	6.280
1018	32.000	7.065	1019	32.000	7.850	1020	32.000	8.635
1021	32.000	9.420	1022	32.000	10.205	1023	32.000	10.990
1024	32.000	11.775	1025	32.000	12.560	1026	32.000	13.345
1027	32.000	14.130	1028	32.000	14.915	1029	32.000	15.700
1030	32.450	0.000	1031	32.450	0.785	1032	32.450	1.570
1033	32.450	2.355	1034	32.450	3.140	1035	32.450	3.925
1036	32.450	4.710	1037	32.450	5.495	1038	32.450	6.280

Nº-Nu	X-Coord [m]	Y-Coord [m]	Nº-Nu	X-Coord [m]	Y-Coord [m]	Nº-Nu	X-Coord [m]	Y-Coord [m]
1039	32.450	7.065	1040	32.450	7.850	1041	32.450	8.635
1042	32.450	9.420	1043	32.450	10.205	1044	32.450	10.990
1045	32.450	11.775	1046	32.450	12.560	1047	32.450	13.345
1048	32.450	14.130	1049	32.450	14.915	1050	32.450	15.700

ELEMENTOS y NUDOS EN ESQUINAS:

Nº-El	Nu-1	Nu-2	Nu-3	Nu-4	Nº-El	Nu-1	Nu-2	Nu-3	Nu-4
1	1	22	23	2	2	2	23	24	3
3	3	24	25	4	4	4	25	26	5
5	5	26	27	6	6	6	27	28	7
7	7	28	29	8	8	8	29	30	9
9	9	30	31	10	10	10	31	32	11
11	11	32	33	12	12	12	33	34	13
13	13	34	35	14	14	14	35	36	15
15	15	36	37	16	16	16	37	38	17
17	17	38	39	18	18	18	39	40	19
19	19	40	41	20	20	20	41	42	21
21	22	43	44	23	22	23	44	45	24
23	24	45	46	25	24	25	46	47	26
25	26	47	48	27	26	27	48	49	28
27	28	49	50	29	28	29	50	51	30
29	30	51	52	31	30	31	52	53	32
31	32	53	54	33	32	33	54	55	34
33	34	55	56	35	34	35	56	57	36
35	36	57	58	37	36	37	58	59	38
37	38	59	60	39	38	39	60	61	40
39	40	61	62	41	40	41	62	63	42
41	43	64	65	44	42	44	65	66	45
43	45	66	67	46	44	46	67	68	47
45	47	68	69	48	46	48	69	70	49
47	49	70	71	50	48	50	71	72	51
49	51	72	73	52	50	52	73	74	53
51	53	74	75	54	52	54	75	76	55
53	55	76	77	56	54	56	77	78	57
55	57	78	79	58	56	58	79	80	59
57	59	80	81	60	58	60	81	82	61
59	61	82	83	62	60	62	83	84	63
61	64	85	86	65	62	65	86	87	66
63	66	87	88	67	64	67	88	89	68
65	68	89	90	69	66	69	90	91	70
67	70	91	92	71	68	71	92	93	72
69	72	93	94	73	70	73	94	95	74
71	74	95	96	75	72	75	96	97	76
73	76	97	98	77	74	77	98	99	78
75	78	99	100	79	76	79	100	101	80
77	80	101	102	81	78	81	102	103	82
79	82	103	104	83	80	83	104	105	84
81	85	106	107	86	82	86	107	108	87
83	87	108	109	88	84	88	109	110	89
85	89	110	111	90	86	90	111	112	91
87	91	112	113	92	88	92	113	114	93
89	93	114	115	94	90	94	115	116	95

Nº-El	Nu-1	Nu-2	Nu-3	Nu-4	Nº-El	Nu-1	Nu-2	Nu-3	Nu-4
91	95	116	117	96	92	96	117	118	97
93	97	118	119	98	94	98	119	120	99
95	99	120	121	100	96	100	121	122	101
97	101	122	123	102	98	102	123	124	103
99	103	124	125	104	100	104	125	126	105
101	106	127	128	107	102	107	128	129	108
103	108	129	130	109	104	109	130	131	110
105	110	131	132	111	106	111	132	133	112
107	112	133	134	113	108	113	134	135	114
109	114	135	136	115	110	115	136	137	116
111	116	137	138	117	112	117	138	139	118
113	118	139	140	119	114	119	140	141	120
115	120	141	142	121	116	121	142	143	122
117	122	143	144	123	118	123	144	145	124
119	124	145	146	125	120	125	146	147	126
121	127	148	149	128	122	128	149	150	129
123	129	150	151	130	124	130	151	152	131
125	131	152	153	132	126	132	153	154	133
127	133	154	155	134	128	134	155	156	135
129	135	156	157	136	130	136	157	158	137
131	137	158	159	138	132	138	159	160	139
133	139	160	161	140	134	140	161	162	141
135	141	162	163	142	136	142	163	164	143
137	143	164	165	144	138	144	165	166	145
139	145	166	167	146	140	146	167	168	147
141	148	169	170	149	142	149	170	171	150
143	150	171	172	151	144	151	172	173	152
145	152	173	174	153	146	153	174	175	154
147	154	175	176	155	148	155	176	177	156
149	156	177	178	157	150	157	178	179	158
151	158	179	180	159	152	159	180	181	160
153	160	181	182	161	154	161	182	183	162
155	162	183	184	163	156	163	184	185	164
157	164	185	186	165	158	165	186	187	166
159	166	187	188	167	160	167	188	189	168
161	169	190	191	170	162	170	191	192	171
163	171	192	193	172	164	172	193	194	173
165	173	194	195	174	166	174	195	196	175
167	175	196	197	176	168	176	197	198	177
169	177	198	199	178	170	178	199	200	179
171	179	200	201	180	172	180	201	202	181
173	181	202	203	182	174	182	203	204	183
175	183	204	205	184	176	184	205	206	185
177	185	206	207	186	178	186	207	208	187
179	187	208	209	188	180	188	209	210	189
181	190	211	212	191	182	191	212	213	192
183	192	213	214	193	184	193	214	215	194
185	194	215	216	195	186	195	216	217	196
187	196	217	218	197	188	197	218	219	198
189	198	219	220	199	190	199	220	221	200
191	200	221	222	201	192	201	222	223	202
193	202	223	224	203	194	203	224	225	204
195	204	225	226	205	196	205	226	227	206
197	206	227	228	207	198	207	228	229	208
199	208	229	230	209	200	209	230	231	210

Nº-El	Nu-1	Nu-2	Nu-3	Nu-4	Nº-El	Nu-1	Nu-2	Nu-3	Nu-4
201	211	232	233	212	202	212	233	234	213
203	213	234	235	214	204	214	235	236	215
205	215	236	237	216	206	216	237	238	217
207	217	238	239	218	208	218	239	240	219
209	219	240	241	220	210	220	241	242	221
211	221	242	243	222	212	222	243	244	223
213	223	244	245	224	214	224	245	246	225
215	225	246	247	226	216	226	247	248	227
217	227	248	249	228	218	228	249	250	229
219	229	250	251	230	220	230	251	252	231
221	232	253	254	233	222	233	254	255	234
223	234	255	256	235	224	235	256	257	236
225	236	257	258	237	226	237	258	259	238
227	238	259	260	239	228	239	260	261	240
229	240	261	262	241	230	241	262	263	242
231	242	263	264	243	232	243	264	265	244
233	244	265	266	245	234	245	266	267	246
235	246	267	268	247	236	247	268	269	248
237	248	269	270	249	238	249	270	271	250
239	250	271	272	251	240	251	272	273	252
241	253	274	275	254	242	254	275	276	255
243	255	276	277	256	244	256	277	278	257
245	257	278	279	258	246	258	279	280	259
247	259	280	281	260	248	260	281	282	261
249	261	282	283	262	250	262	283	284	263
251	263	284	285	264	252	264	285	286	265
253	265	286	287	266	254	266	287	288	267
255	267	288	289	268	256	268	289	290	269
257	269	290	291	270	258	270	291	292	271
259	271	292	293	272	260	272	293	294	273
261	274	295	296	275	262	275	296	297	276
263	276	297	298	277	264	277	298	299	278
265	278	299	300	279	266	279	300	301	280
267	280	301	302	281	268	281	302	303	282
269	282	303	304	283	270	283	304	305	284
271	284	305	306	285	272	285	306	307	286
273	286	307	308	287	274	287	308	309	288
275	288	309	310	289	276	289	310	311	290
277	290	311	312	291	278	291	312	313	292
279	292	313	314	293	280	293	314	315	294
281	295	316	317	296	282	296	317	318	297
283	297	318	319	298	284	298	319	320	299
285	299	320	321	300	286	300	321	322	301
287	301	322	323	302	288	302	323	324	303
289	303	324	325	304	290	304	325	326	305
291	305	326	327	306	292	306	327	328	307
293	307	328	329	308	294	308	329	330	309
295	309	330	331	310	296	310	331	332	311
297	311	332	333	312	298	312	333	334	313
299	313	334	335	314	300	314	335	336	315
301	316	337	338	317	302	317	338	339	318
303	318	339	340	319	304	319	340	341	320
305	320	341	342	321	306	321	342	343	322
307	322	343	344	323	308	323	344	345	324
309	324	345	346	325	310	325	346	347	326

Nº-El	Nu-1	Nu-2	Nu-3	Nu-4	Nº-El	Nu-1	Nu-2	Nu-3	Nu-4
311	326	347	348	327	312	327	348	349	328
313	328	349	350	329	314	329	350	351	330
315	330	351	352	331	316	331	352	353	332
317	332	353	354	333	318	333	354	355	334
319	334	355	356	335	320	335	356	357	336
321	337	358	359	338	322	338	359	360	339
323	339	360	361	340	324	340	361	362	341
325	341	362	363	342	326	342	363	364	343
327	343	364	365	344	328	344	365	366	345
329	345	366	367	346	330	346	367	368	347
331	347	368	369	348	332	348	369	370	349
333	349	370	371	350	334	350	371	372	351
335	351	372	373	352	336	352	373	374	353
337	353	374	375	354	338	354	375	376	355
339	355	376	377	356	340	356	377	378	357
341	358	379	380	359	342	359	380	381	360
343	360	381	382	361	344	361	382	383	362
345	362	383	384	363	346	363	384	385	364
347	364	385	386	365	348	365	386	387	366
349	366	387	388	367	350	367	388	389	368
351	368	389	390	369	352	369	390	391	370
353	370	391	392	371	354	371	392	393	372
355	372	393	394	373	356	373	394	395	374
357	374	395	396	375	358	375	396	397	376
359	376	397	398	377	360	377	398	399	378
361	379	400	401	380	362	380	401	402	381
363	381	402	403	382	364	382	403	404	383
365	383	404	405	384	366	384	405	406	385
367	385	406	407	386	368	386	407	408	387
369	387	408	409	388	370	388	409	410	389
371	389	410	411	390	372	390	411	412	391
373	391	412	413	392	374	392	413	414	393
375	393	414	415	394	376	394	415	416	395
377	395	416	417	396	378	396	417	418	397
379	397	418	419	398	380	398	419	420	399
381	400	421	422	401	382	401	422	423	402
383	402	423	424	403	384	403	424	425	404
385	404	425	426	405	386	405	426	427	406
387	406	427	428	407	388	407	428	429	408
389	408	429	430	409	390	409	430	431	410
391	410	431	432	411	392	411	432	433	412
393	412	433	434	413	394	413	434	435	414
395	414	435	436	415	396	415	436	437	416
397	416	437	438	417	398	417	438	439	418
399	418	439	440	419	400	419	440	441	420
401	421	442	443	422	402	422	443	444	423
403	423	444	445	424	404	424	445	446	425
405	425	446	447	426	406	426	447	448	427
407	427	448	449	428	408	428	449	450	429
409	429	450	451	430	410	430	451	452	431
411	431	452	453	432	412	432	453	454	433
413	433	454	455	434	414	434	455	456	435
415	435	456	457	436	416	436	457	458	437
417	437	458	459	438	418	438	459	460	439
419	439	460	461	440	420	440	461	462	441

Nº-El	Nu-1	Nu-2	Nu-3	Nu-4	Nº-El	Nu-1	Nu-2	Nu-3	Nu-4
421	442	463	464	443	422	443	464	465	444
423	444	465	466	445	424	445	466	467	446
425	446	467	468	447	426	447	468	469	448
427	448	469	470	449	428	449	470	471	450
429	450	471	472	451	430	451	472	473	452
431	452	473	474	453	432	453	474	475	454
433	454	475	476	455	434	455	476	477	456
435	456	477	478	457	436	457	478	479	458
437	458	479	480	459	438	459	480	481	460
439	460	481	482	461	440	461	482	483	462
441	463	484	485	464	442	464	485	486	465
443	465	486	487	466	444	466	487	488	467
445	467	488	489	468	446	468	489	490	469
447	469	490	491	470	448	470	491	492	471
449	471	492	493	472	450	472	493	494	473
451	473	494	495	474	452	474	495	496	475
453	475	496	497	476	454	476	497	498	477
455	477	498	499	478	456	478	499	500	479
457	479	500	501	480	458	480	501	502	481
459	481	502	503	482	460	482	503	504	483
461	484	505	506	485	462	485	506	507	486
463	486	507	508	487	464	487	508	509	488
465	488	509	510	489	466	489	510	511	490
467	490	511	512	491	468	491	512	513	492
469	492	513	514	493	470	493	514	515	494
471	494	515	516	495	472	495	516	517	496
473	496	517	518	497	474	497	518	519	498
475	498	519	520	499	476	499	520	521	500
477	500	521	522	501	478	501	522	523	502
479	502	523	524	503	480	503	524	525	504
481	505	526	527	506	482	506	527	528	507
483	507	528	529	508	484	508	529	530	509
485	509	530	531	510	486	510	531	532	511
487	511	532	533	512	488	512	533	534	513
489	513	534	535	514	490	514	535	536	515
491	515	536	537	516	492	516	537	538	517
493	517	538	539	518	494	518	539	540	519
495	519	540	541	520	496	520	541	542	521
497	521	542	543	522	498	522	543	544	523
499	523	544	545	524	500	524	545	546	525
501	526	547	548	527	502	527	548	549	528
503	528	549	550	529	504	529	550	551	530
505	530	551	552	531	506	531	552	553	532
507	532	553	554	533	508	533	554	555	534
509	534	555	556	535	510	535	556	557	536
511	536	557	558	537	512	537	558	559	538
513	538	559	560	539	514	539	560	561	540
515	540	561	562	541	516	541	562	563	542
517	542	563	564	543	518	543	564	565	544
519	544	565	566	545	520	545	566	567	546
521	547	568	569	548	522	548	569	570	549
523	549	570	571	550	524	550	571	572	551
525	551	572	573	552	526	552	573	574	553
527	553	574	575	554	528	554	575	576	555
529	555	576	577	556	530	556	577	578	557

Nº-El	Nu-1	Nu-2	Nu-3	Nu-4	Nº-El	Nu-1	Nu-2	Nu-3	Nu-4
531	557	578	579	558	532	558	579	580	559
533	559	580	581	560	534	560	581	582	561
535	561	582	583	562	536	562	583	584	563
537	563	584	585	564	538	564	585	586	565
539	565	586	587	566	540	566	587	588	567
541	568	589	590	569	542	569	590	591	570
543	570	591	592	571	544	571	592	593	572
545	572	593	594	573	546	573	594	595	574
547	574	595	596	575	548	575	596	597	576
549	576	597	598	577	550	577	598	599	578
551	578	599	600	579	552	579	600	601	580
553	580	601	602	581	554	581	602	603	582
555	582	603	604	583	556	583	604	605	584
557	584	605	606	585	558	585	606	607	586
559	586	607	608	587	560	587	608	609	588
561	589	610	611	590	562	590	611	612	591
563	591	612	613	592	564	592	613	614	593
565	593	614	615	594	566	594	615	616	595
567	595	616	617	596	568	596	617	618	597
569	597	618	619	598	570	598	619	620	599
571	599	620	621	600	572	600	621	622	601
573	601	622	623	602	574	602	623	624	603
575	603	624	625	604	576	604	625	626	605
577	605	626	627	606	578	606	627	628	607
579	607	628	629	608	580	608	629	630	609
581	610	631	632	611	582	611	632	633	612
583	612	633	634	613	584	613	634	635	614
585	614	635	636	615	586	615	636	637	616
587	616	637	638	617	588	617	638	639	618
589	618	639	640	619	590	619	640	641	620
591	620	641	642	621	592	621	642	643	622
593	622	643	644	623	594	623	644	645	624
595	624	645	646	625	596	625	646	647	626
597	626	647	648	627	598	627	648	649	628
599	628	649	650	629	600	629	650	651	630
601	631	652	653	632	602	632	653	654	633
603	633	654	655	634	604	634	655	656	635
605	635	656	657	636	606	636	657	658	637
607	637	658	659	638	608	638	659	660	639
609	639	660	661	640	610	640	661	662	641
611	641	662	663	642	612	642	663	664	643
613	643	664	665	644	614	644	665	666	645
615	645	666	667	646	616	646	667	668	647
617	647	668	669	648	618	648	669	670	649
619	649	670	671	650	620	650	671	672	651
621	652	673	674	653	622	653	674	675	654
623	654	675	676	655	624	655	676	677	656
625	656	677	678	657	626	657	678	679	658
627	658	679	680	659	628	659	680	681	660
629	660	681	682	661	630	661	682	683	662
631	662	683	684	663	632	663	684	685	664
633	664	685	686	665	634	665	686	687	666
635	666	687	688	667	636	667	688	689	668
637	668	689	690	669	638	669	690	691	670
639	670	691	692	671	640	671	692	693	672

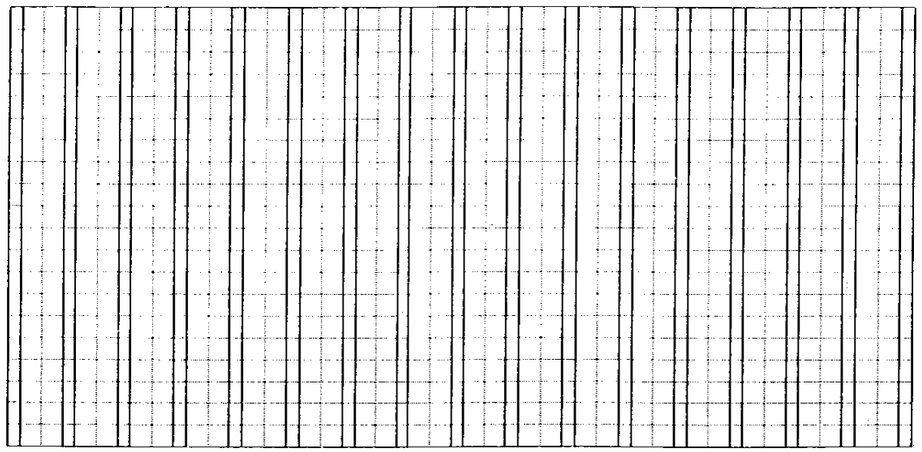
Nº-El	Nu-1	Nu-2	Nu-3	Nu-4	Nº-El	Nu-1	Nu-2	Nu-3	Nu-4
641	673	694	695	674	642	674	695	696	675
643	675	696	697	676	644	676	697	698	677
645	677	698	699	678	646	678	699	700	679
647	679	700	701	680	648	680	701	702	681
649	681	702	703	682	650	682	703	704	683
651	683	704	705	684	652	684	705	706	685
653	685	706	707	686	654	686	707	708	687
655	687	708	709	688	656	688	709	710	689
657	689	710	711	690	658	690	711	712	691
659	691	712	713	692	660	692	713	714	693
661	694	715	716	695	662	695	716	717	696
663	696	717	718	697	664	697	718	719	698
665	698	719	720	699	666	699	720	721	700
667	700	721	722	701	668	701	722	723	702
669	702	723	724	703	670	703	724	725	704
671	704	725	726	705	672	705	726	727	706
673	706	727	728	707	674	707	728	729	708
675	708	729	730	709	676	709	730	731	710
677	710	731	732	711	678	711	732	733	712
679	712	733	734	713	680	713	734	735	714
681	715	736	737	716	682	716	737	738	717
683	717	738	739	718	684	718	739	740	719
685	719	740	741	720	686	720	741	742	721
687	721	742	743	722	688	722	743	744	723
689	723	744	745	724	690	724	745	746	725
691	725	746	747	726	692	726	747	748	727
693	727	748	749	728	694	728	749	750	729
695	729	750	751	730	696	730	751	752	731
697	731	752	753	732	698	732	753	754	733
699	733	754	755	734	700	734	755	756	735
701	736	757	758	737	702	737	758	759	738
703	738	759	760	739	704	739	760	761	740
705	740	761	762	741	706	741	762	763	742
707	742	763	764	743	708	743	764	765	744
709	744	765	766	745	710	745	766	767	746
711	746	767	768	747	712	747	768	769	748
713	748	769	770	749	714	749	770	771	750
715	750	771	772	751	716	751	772	773	752
717	752	773	774	753	718	753	774	775	754
719	754	775	776	755	720	755	776	777	756
721	757	778	779	758	722	758	779	780	759
723	759	780	781	760	724	760	781	782	761
725	761	782	783	762	726	762	783	784	763
727	763	784	785	764	728	764	785	786	765
729	765	786	787	766	730	766	787	788	767
731	767	788	789	768	732	768	789	790	769
733	769	790	791	770	734	770	791	792	771
735	771	792	793	772	736	772	793	794	773
737	773	794	795	774	738	774	795	796	775
739	775	796	797	776	740	776	797	798	777
741	778	799	800	779	742	779	800	801	780
743	780	801	802	781	744	781	802	803	782
745	782	803	804	783	746	783	804	805	784
747	784	805	806	785	748	785	806	807	786
749	786	807	808	787	750	787	808	809	788

Nº-El	Nu-1	Nu-2	Nu-3	Nu-4	Nº-El	Nu-1	Nu-2	Nu-3	Nu-4
751	788	809	810	789	752	789	810	811	790
753	790	811	812	791	754	791	812	813	792
755	792	813	814	793	756	793	814	815	794
757	794	815	816	795	758	795	816	817	796
759	796	817	818	797	760	797	818	819	798
761	799	820	821	800	762	800	821	822	801
763	801	822	823	802	764	802	823	824	803
765	803	824	825	804	766	804	825	826	805
767	805	826	827	806	768	806	827	828	807
769	807	828	829	808	770	808	829	830	809
771	809	830	831	810	772	810	831	832	811
773	811	832	833	812	774	812	833	834	813
775	813	834	835	814	776	814	835	836	815
777	815	836	837	816	778	816	837	838	817
779	817	838	839	818	780	818	839	840	819
781	820	841	842	821	782	821	842	843	822
783	822	843	844	823	784	823	844	845	824
785	824	845	846	825	786	825	846	847	826
787	826	847	848	827	788	827	848	849	828
789	828	849	850	829	790	829	850	851	830
791	830	851	852	831	792	831	852	853	832
793	832	853	854	833	794	833	854	855	834
795	834	855	856	835	796	835	856	857	836
797	836	857	858	837	798	837	858	859	838
799	838	859	860	839	800	839	860	861	840
801	841	862	863	842	802	842	863	864	843
803	843	864	865	844	804	844	865	866	845
805	845	866	867	846	806	846	867	868	847
807	847	868	869	848	808	848	869	870	849
809	849	870	871	850	810	850	871	872	851
811	851	872	873	852	812	852	873	874	853
813	853	874	875	854	814	854	875	876	855
815	855	876	877	856	816	856	877	878	857
817	857	878	879	858	818	858	879	880	859
819	859	880	881	860	820	860	881	882	861
821	862	883	884	863	822	863	884	885	864
823	864	885	886	865	824	865	886	887	866
825	866	887	888	867	826	867	888	889	868
827	868	889	890	869	828	869	890	891	870
829	870	891	892	871	830	871	892	893	872
831	872	893	894	873	832	873	894	895	874
833	874	895	896	875	834	875	896	897	876
835	876	897	898	877	836	877	898	899	878
837	878	899	900	879	838	879	900	901	880
839	880	901	902	881	840	881	902	903	882
841	883	904	905	884	842	884	905	906	885
843	885	906	907	886	844	886	907	908	887
845	887	908	909	888	846	888	909	910	889
847	889	910	911	890	848	890	911	912	891
849	891	912	913	892	850	892	913	914	893
851	893	914	915	894	852	894	915	916	895
853	895	916	917	896	854	896	917	918	897
855	897	918	919	898	856	898	919	920	899
857	899	920	921	900	858	900	921	922	901
859	901	922	923	902	860	902	923	924	903

Nº-El	Nu-1	Nu-2	Nu-3	Nu-4	Nº-El	Nu-1	Nu-2	Nu-3	Nu-4
861	904	925	926	905	862	905	926	927	906
863	906	927	928	907	864	907	928	929	908
865	908	929	930	909	866	909	930	931	910
867	910	931	932	911	868	911	932	933	912
869	912	933	934	913	870	913	934	935	914
871	914	935	936	915	872	915	936	937	916
873	916	937	938	917	874	917	938	939	918
875	918	939	940	919	876	919	940	941	920
877	920	941	942	921	878	921	942	943	922
879	922	943	944	923	880	923	944	945	924
881	925	946	947	926	882	926	947	948	927
883	927	948	949	928	884	928	949	950	929
885	929	950	951	930	886	930	951	952	931
887	931	952	953	932	888	932	953	954	933
889	933	954	955	934	890	934	955	956	935
891	935	956	957	936	892	936	957	958	937
893	937	958	959	938	894	938	959	960	939
895	939	960	961	940	896	940	961	962	941
897	941	962	963	942	898	942	963	964	943
899	943	964	965	944	900	944	965	966	945
901	946	967	968	947	902	947	968	969	948
903	948	969	970	949	904	949	970	971	950
905	950	971	972	951	906	951	972	973	952
907	952	973	974	953	908	953	974	975	954
909	954	975	976	955	910	955	976	977	956
911	956	977	978	957	912	957	978	979	958
913	958	979	980	959	914	959	980	981	960
915	960	981	982	961	916	961	982	983	962
917	962	983	984	963	918	963	984	985	964
919	964	985	986	965	920	965	986	987	966
921	967	988	989	968	922	968	989	990	969
923	969	990	991	970	924	970	991	992	971
925	971	992	993	972	926	972	993	994	973
927	973	994	995	974	928	974	995	996	975
929	975	996	997	976	930	976	997	998	977
931	977	998	999	978	932	978	999	1000	979
933	979	1000	1001	980	934	980	1001	1002	981
935	981	1002	1003	982	936	982	1003	1004	983
937	983	1004	1005	984	938	984	1005	1006	985
939	985	1006	1007	986	940	986	1007	1008	987
941	988	1009	1010	989	942	989	1010	1011	990
943	990	1011	1012	991	944	991	1012	1013	992
945	992	1013	1014	993	946	993	1014	1015	994
947	994	1015	1016	995	948	995	1016	1017	996
949	996	1017	1018	997	950	997	1018	1019	998
951	998	1019	1020	999	952	999	1020	1021	1000
953	1000	1021	1022	1001	954	1001	1022	1023	1002
955	1002	1023	1024	1003	956	1003	1024	1025	1004
957	1004	1025	1026	1005	958	1005	1026	1027	1006
959	1006	1027	1028	1007	960	1007	1028	1029	1008
961	1009	1030	1031	1010	962	1010	1031	1032	1011
963	1011	1032	1033	1012	964	1012	1033	1034	1013
965	1013	1034	1035	1014	966	1014	1035	1036	1015
967	1015	1036	1037	1016	968	1016	1037	1038	1017
969	1017	1038	1039	1018	970	1018	1039	1040	1019

Nº-El	Nu-1	Nu-2	Nu-3	Nu-4	Nº-El	Nu-1	Nu-2	Nu-3	Nu-4
971	1019	1040	1041	1020	972	1020	1041	1042	1021
973	1021	1042	1043	1022	974	1022	1043	1044	1023
975	1023	1044	1045	1024	976	1024	1045	1046	1025
977	1025	1046	1047	1026	978	1026	1047	1048	1027
979	1027	1048	1049	1028	980	1028	1049	1050	1029

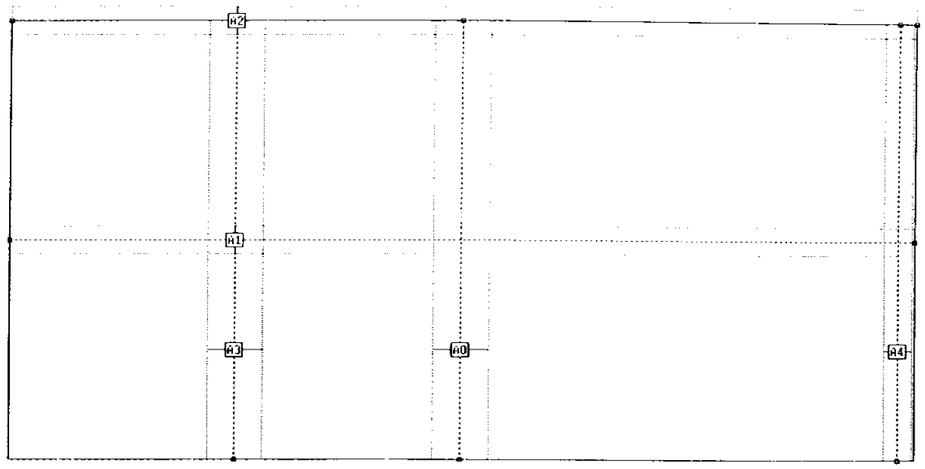
Escala 1 : 211.6
Malla (ID=A)



SECCIONES PARA LA SALIDA:

Ident	Tipo	Modo	x_ini [m]	y_ini [m]	x_fin [m]	y_fin [m]	Ancho [m]
A0	Long	activo	16.225	0.000	16.225	15.700	2.000
A1	Long	activo	0.000	7.850	32.450	7.850	1.000
A2	Long	activo	0.000	15.700	32.450	15.700	1.000
A3	Long	activo	8.113	0.000	8.113	15.700	2.000
A4	Long	activo	31.837	0.000	31.837	15.700	1.000

Escala 1 : 211.6
Secciones
- Secciones para esfuerzos/Arm. en dir. del eje
  Integrado sobre el ancho



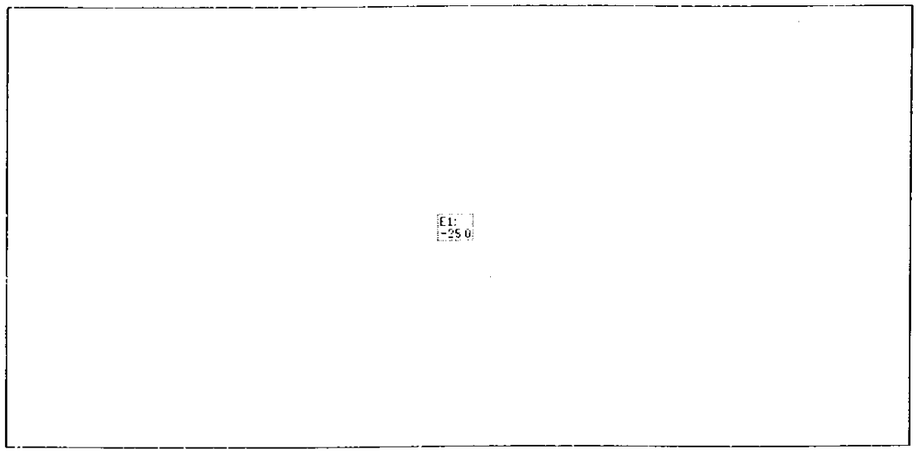
HIPOTESIS 1: "Peso propio"
==========

CARGAS DISTRIB:

ID	Tipo	Dim.	Valor	Nº Ptos.	Lsuma [kN]
E1	Peso propio	kN/m3	-25.00	4	-4348.92
				Suma	-4348.92

Suma carg [kN] Hipótesis 1: -4348.92

Escala 1 : 211.6
Hipótesis 001: "Peso propio" (Suma cargas= -4348.92 kN)
- Valores cargas dist.: E=Peso propio [kN/m3]
  V=Carga distribuida [kN/m2], K=Curvatura [m-1]



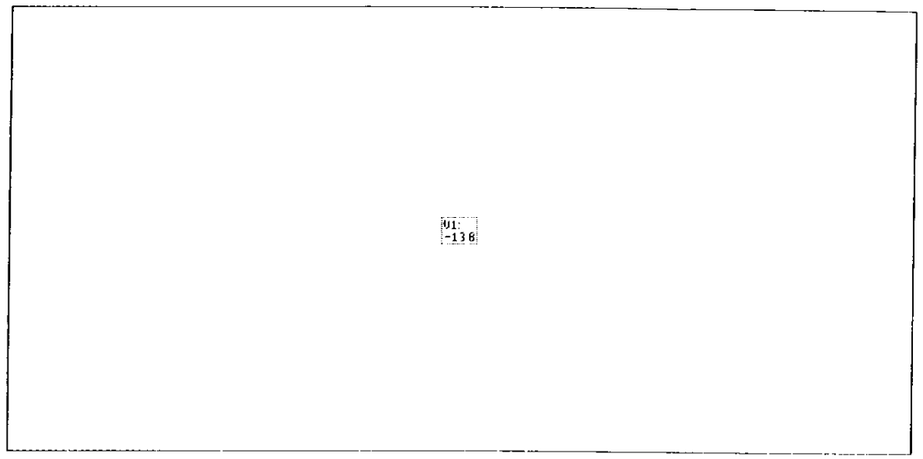
HIPOTESIS 2: "Carga muerta"

CARGAS DISTRIB:

ID	Tipo	Dim.	Valor	Nº Ptos.	Lsuma [kN]
V1	dist.	kN/m2	-13.80	4	-7030.60
				Suma	-7030.60

Suma carg [kN] Hipótesis 2: -7030.60

Escala 1 : 211.6
Hipótesis 002: "Carga muerta" (Suma cargas= -7030.60 kN)
- Valores cargas dist.: E=Peso propio [kN/m3]
  V=Carga distribuida [kN/m2], K=Curvatura [m-1]



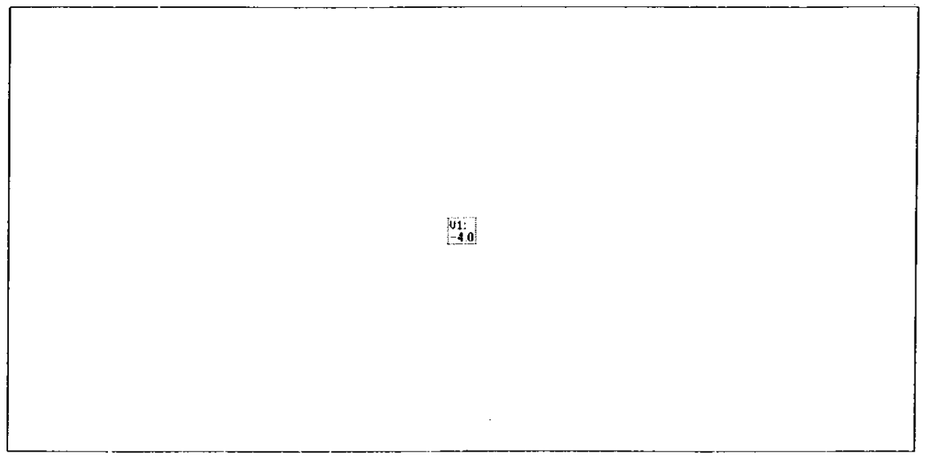
HIPOTESIS 3: "SC Uniforme"

CARGAS DISTRIB:

ID	Tipo	Dim.	Valor	Nº Ptos.	Lsuma [kN]
V1	dist.	kN/m2	-4.00	4	-2037.84
				Suma	-2037.84

Suma carg [kN] Hipótesis 3: -2037.84

Escala 1 : 211.6
Hipótesis 003: "SC Uniforme" (Suma cargas= -2037.84 kN)
- Valores cargas dist.: E=Peso propio [kN/m3]
V=Carga distribuida [kN/m2], K=Curvatura [m-1]



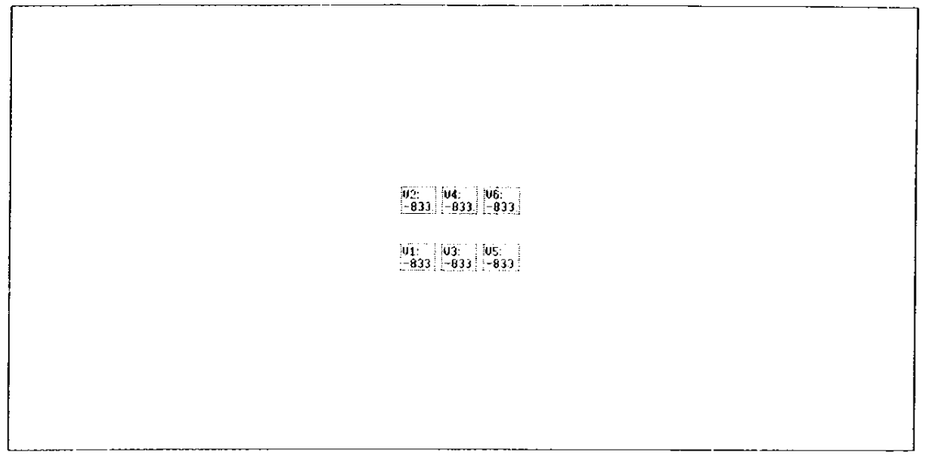
HIPOTESIS 4: "Carro de 60T"
==========

CARGAS DISTRIB:

ID	Tipo	Dim.	Valor	Nº Ptos.	Lsuma [kN]
V1	dist.	kN/m2	-833.33	4	-100.00
V2	dist.	kN/m2	-833.33	4	-100.00
V3	dist.	kN/m2	-833.33	4	-100.00
V4	dist.	kN/m2	-833.33	4	-100.00
V5	dist.	kN/m2	-833.33	4	-100.00
V6	dist.	kN/m2	-833.33	4	-100.00
				Suma	-600.00

Suma carg [kN] Hipótesis 4: -600.00

Escala 1 : 211.6
Hipótesis 004: "Carro de 60T" (Suma cargas= -600.00 kN)
- Valores cargas dist.: E=Peso propio [kN/m3]
V=Carga distribuida [kN/m2], K=Curvatura [m-1]



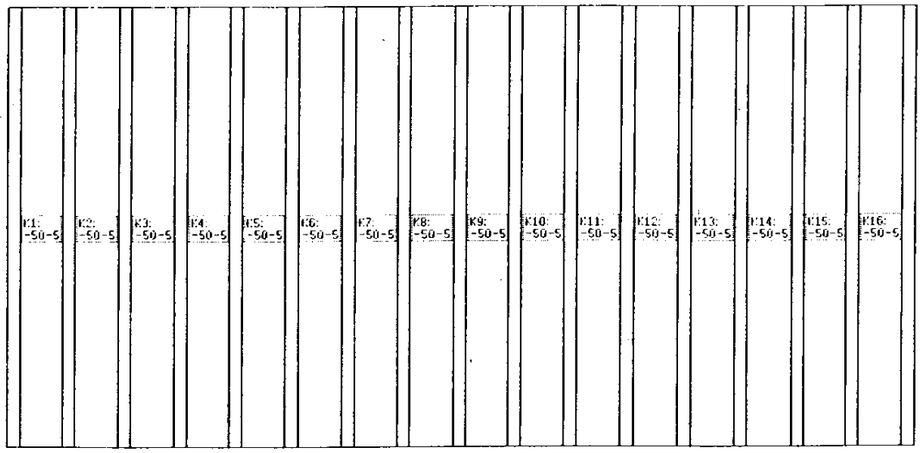
HIPOTESIS 5: "Grad. ter. losa"
==========

CARGAS DISTRIB:

ID	Tipo	Dim.	Valor	Nº Ptos.	Lsuma [kN]
K1	giro	m-1	-0.00050	4	
K2	giro	m-1	-0.00050	4	
K3	giro	m-1	-0.00050	4	
K4	giro	m-1	-0.00050	4	
K5	giro	m-1	-0.00050	4	
K6	giro	m-1	-0.00050	4	
K7	giro	m-1	-0.00050	4	
K8	giro	m-1	-0.00050	4	
K9	giro	m-1	-0.00050	4	
K10	giro	m-1	-0.00050	4	
K11	giro	m-1	-0.00050	4	
K12	giro	m-1	-0.00050	4	
K13	giro	m-1	-0.00050	4	
K14	giro	m-1	-0.00050	4	
K15	giro	m-1	-0.00050	4	
K16	giro	m-1	-0.00050	4	

Suma carg [kN] Hipótesis 5: 0.0

Escala 1 : 211.6
Hipótesis 005: "Grad. ter. losa" (Suma cargas= 0.0 kN)
- Valores cargas dist.: E=Peso propio [kN/m3]
V=Carga distribuida [kN/m2], K=Curvatura [m-1]



HIPOTESIS 6: "Grad. term. viga"

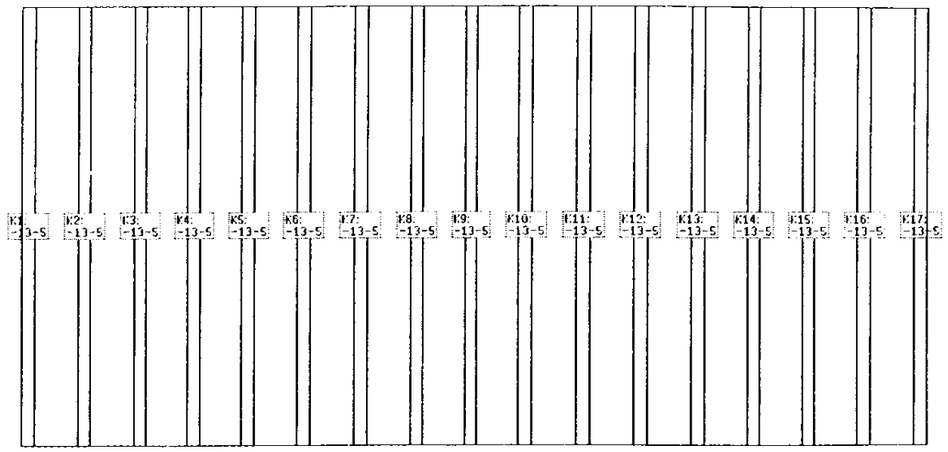
CARGAS DISTRIB:

ID	Tipo	Dim.	Valor	Nº Ptos.	Lsuma [kN]
K1	giro	m-1	-0.00013	4	
K2	giro	m-1	-0.00013	4	
K3	giro	m-1	-0.00013	4	
K4	giro	m-1	-0.00013	4	
K5	giro	m-1	-0.00013	4	
K6	giro	m-1	-0.00013	4	
K7	giro	m-1	-0.00013	4	
K8	giro	m-1	-0.00013	4	
K9	giro	m-1	-0.00013	4	
K10	giro	m-1	-0.00013	4	
K11	giro	m-1	-0.00013	4	

ID	Tipo	Dim.	Valor	Nº Ptos.	Lsuma [kN]
K12	giro	m-1	-0.00013	4	
K13	giro	m-1	-0.00013	4	
K14	giro	m-1	-0.00013	4	
K15	giro	m-1	-0.00013	4	
K16	giro	m-1	-0.00013	4	
K17	giro	m-1	-0.00013	4	

Suma carg [kN] Hipótesis 6: 0.0

Escala 1 : 211.6
Hipótesis 006: "Grad. term. viga" (Suma cargas= 0.0 kN)
- Valores cargas dist.: E=Peso propio [kN/m3]
V=Carga distribuida [kN/m2], K=Curvatura [m-1]



HIPOTESIS 7: "SC carro 60T en borde"

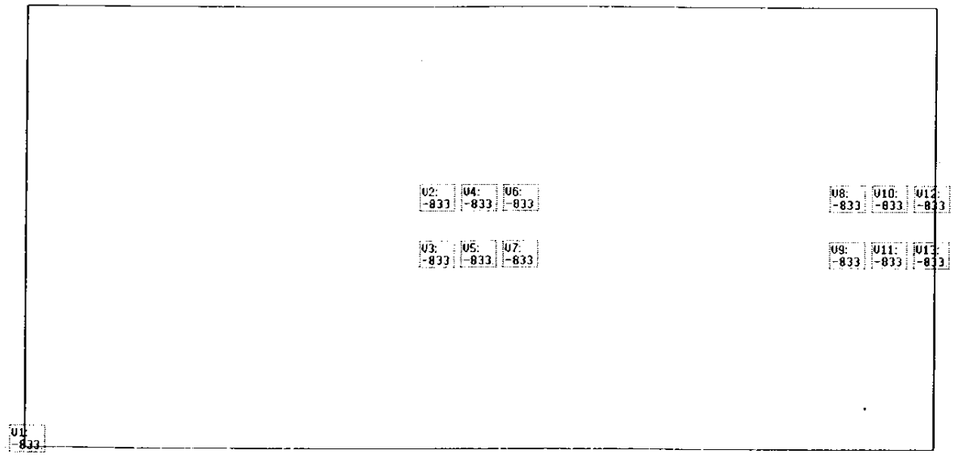
CARGAS DISTRIB:

ID	Tipo	Dim.	Valor	Nº Ptos.	Lsuma [kN]
V1	dist.	kN/m2	-833.33	4	-100.00
V2	dist.	kN/m2	-833.33	4	-100.00
V3	dist.	kN/m2	-833.33	4	-100.00

ID	Tipo	Dim.	Valor	Nº Ptos.	Lsuma [kN]
V4	dist.	kN/m2	-833.33	4	-100.00
V5	dist.	kN/m2	-833.33	4	-100.00
V6	dist.	kN/m2	-833.33	4	-100.00
V7	dist.	kN/m2	-833.33	4	-100.00
V8	dist.	kN/m2	-833.33	4	-100.00
V9	dist.	kN/m2	-833.33	4	-100.00
V10	dist.	kN/m2	-833.33	4	-100.00
V11	dist.	kN/m2	-833.33	4	-100.00
V12	dist.	kN/m2	-833.33	4	-100.00
V13	dist.	kN/m2	-833.33	4	-100.00
			Suma		-1300.00

Suma carg [kN] Hipótesis 7: -1300.00

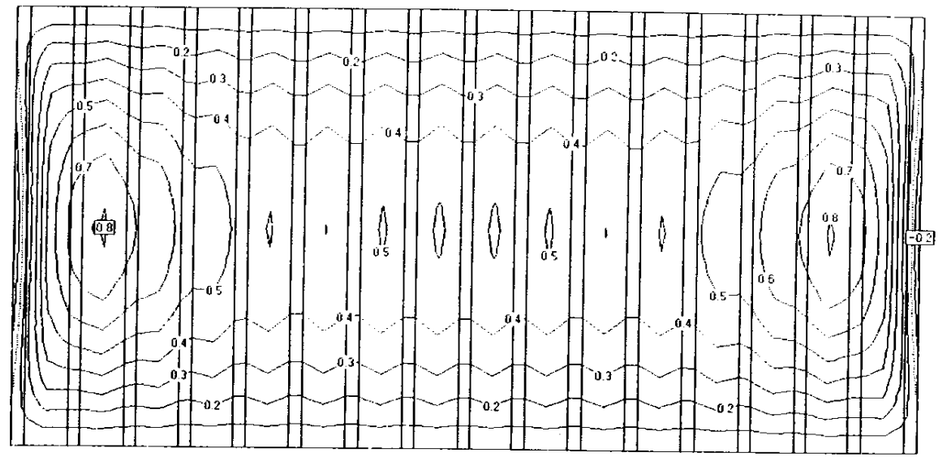
Escala 1 : 211.6
Hipótesis 007: "SC carro 60T en borde" (Suma cargas= -1300.00 kN)
- Valores cargas dist.: E=Peso propio [kN/m3]
V=Carga distribuida [kN/m2], K=Curvatura [m-1]



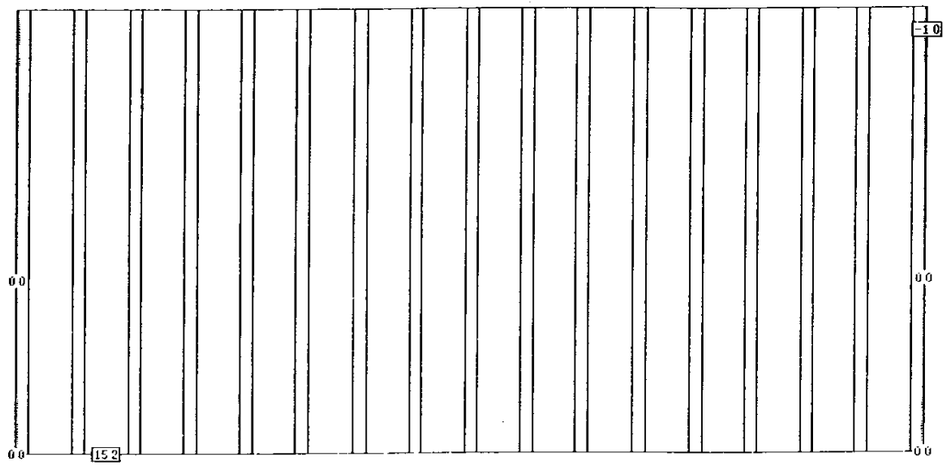
COMBINACION DE HIP.: "Gradiente térmico" (A02)

Hip.	Fac.	Título
5	1.000	'Grad. ter. losa'
6	1.000	'Grad. term. viga'

Escala 1 : 211.6
DESPLAZAMIENTOS [mm] "Gradiente térmico" (A02)
Comb.Hip.: 5 6
- Deformaciones DZ, Equidist= 0.100 [mm]



Escala 1 : 211.6
Momentos placa [kNm/m] "Gradiente térmico" (A02)
Comb.Hip.: 5 6
- Momentos MX [kNm/m] ,Dir-X= 0.00 Grados

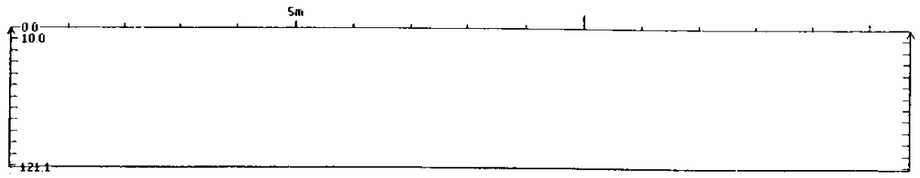


Momentos: Sección "A3" Sección long., ancho 2.00
"Gradiente térmico" (A02)
Cordenadas de la sección: 8.11, 0.00.. 8.11, 15.70

Distancia [m]	Mom [kNm]
0.00	121.1
0.36	121.1
0.71	121.0
1.07	121.0
1.43	120.9
1.78	120.9
2.14	120.8
2.50	120.8
2.85	120.7
3.21	120.7
3.57	120.6
3.92	120.6
4.28	120.5
4.64	120.5
5.00	120.4
5.35	120.4
5.71	120.4
6.07	120.3
6.42	120.3
6.78	120.3
7.14	120.3
7.49	120.3
7.85	120.3

8.21	120.3
8.56	120.3
8.92	120.3
9.28	120.3
9.63	120.3
9.99	120.4
10.35	120.4
10.70	120.4
11.06	120.5
11.42	120.5
11.77	120.6
12.13	120.6
12.49	120.7
12.85	120.7
13.20	120.8
13.56	120.8
13.92	120.9
14.27	120.9
14.63	121.0
14.99	121.0
15.34	121.1
15.70	121.1

Escala 1 : 103.1
Sec. long. "A3" B= 2.00m : 8.11 0.00.. 8.11 15.70
Momentos placa: [kNm] "Gradiente térmico" (A02)
Comb.Hip.: 5 6
Fac. de amp.: 0.02000



Momentos: Sección "A2" Sección long., ancho 1.00
"Gradiente térmico" (A02)
Cordenadas de la sección: 0.00, 15.70.. 32.45, 15.70

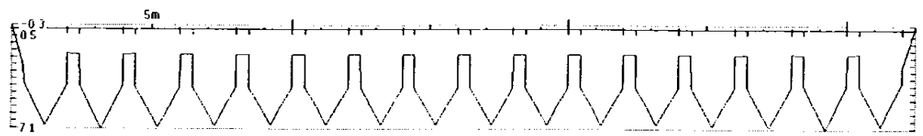
Distancia [m]	Mom [kNm]
0.00	-0.3
0.22	1.1
0.45	2.6
0.45	3.8
0.84	5.3
1.22	6.9
1.61	5.4
2.00	4.0
2.00	1.7

2.23	1.7
2.45	1.7
2.45	4.0
2.84	5.5
3.23	7.1
3.61	5.5
4.00	4.0
4.00	1.8
4.22	1.8
4.45	1.7
4.45	4.1
4.84	5.5
5.22	6.9
5.61	5.5
6.00	4.1
6.00	1.8
6.22	1.8
6.45	1.8
6.45	4.1
6.84	5.4
7.22	6.8
7.61	5.4
8.00	4.1
8.00	1.8
8.22	1.8
8.45	1.8
8.45	4.1
8.84	5.4
9.22	6.8
9.61	5.4
10.00	4.1
10.00	1.8
10.22	1.8
10.45	1.8
10.45	4.1
10.84	5.4
11.22	6.8
11.61	5.4
12.00	4.1
12.00	1.8
12.22	1.8
12.45	1.8
12.45	4.1
12.84	5.4
13.22	6.8
13.61	5.4
14.00	4.1
14.00	1.8
14.22	1.8
14.45	1.8
14.45	4.1
14.84	5.4
15.22	6.8
15.61	5.4
16.00	4.1
16.00	1.8
16.23	1.8

16.45	1.8
16.45	4.1
16.84	5.4
17.23	6.8
17.61	5.4
18.00	4.1
18.00	1.8
18.23	1.8
18.45	1.8
18.45	4.1
18.84	5.4
19.23	6.8
19.61	5.4
20.00	4.1
20.00	1.8
20.23	1.8
20.45	1.8
20.45	4.1
20.84	5.4
21.23	6.8
21.61	5.4
22.00	4.1
22.00	1.8
22.23	1.8
22.45	1.8
22.45	4.1
22.84	5.4
23.23	6.8
23.61	5.4
24.00	4.1
24.00	1.8
24.23	1.8
24.45	1.8
24.45	4.1
24.84	5.4
25.23	6.8
25.61	5.4
26.00	4.1
26.00	1.8
26.23	1.8
26.45	1.8
26.45	4.1
26.84	5.5
27.23	6.9
27.61	5.5
28.00	4.1
28.00	1.7
28.23	1.8
28.45	1.8
28.45	4.0
28.84	5.5
29.23	7.1
29.61	5.5
30.00	4.0
30.00	1.7
30.23	1.7
30.45	1.7

30.45	4.0
30.84	5.4
31.23	6.9
31.61	5.3
32.00	3.8
32.00	2.6
32.23	1.1
32.45	-0.3

Escala 1 : 211.6
Sec. long. "A2" B= 1.00m : 0.00 15.70.. 32.45 15.70
Momentos placa: [kNm] "Gradiente térmico" (A02)
Comb.Hip.: 5 6
Fac. de amp.: 0.50000



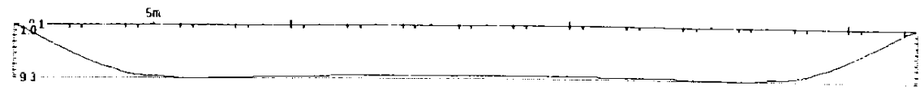
Momentos: Sección "A1" Sección long., ancho 1.00
"Gradiente térmico" (A02)
Cordenadas de la sección: 0.00, 7.85.. 32.45, 7.85

Distancia [m]	Mom [kNm]
0.00	-0.1
0.22	0.3
0.45	0.7
0.45	0.8
0.84	1.8
1.22	2.8
1.61	3.7
2.00	4.6
2.00	4.6
2.23	5.1
2.45	5.6
2.45	5.6
2.84	6.3
3.23	7.1
3.61	7.7
4.00	8.3
4.00	8.4
4.22	8.6
4.45	8.8
4.45	8.8
4.84	8.9
5.22	9.0
5.61	9.1
6.00	9.2
6.00	9.2

6.22	9.3
6.45	9.3
6.45	9.3
6.84	9.2
7.22	9.2
7.61	9.1
8.00	9.1
8.00	9.1
8.22	9.1
8.45	9.0
8.45	9.0
8.84	9.0
9.22	9.0
9.61	8.9
10.00	8.9
10.00	8.9
10.22	8.9
10.45	8.9
10.45	8.9
10.84	8.8
11.22	8.8
11.61	8.8
12.00	8.8
12.00	8.8
12.22	8.8
12.45	8.8
12.45	8.8
12.84	8.8
13.22	8.8
13.61	8.8
14.00	8.8
14.00	8.8
14.22	8.8
14.45	8.8
14.45	8.8
14.84	8.8
15.22	8.8
15.61	8.8
16.00	8.8
16.00	8.8
16.23	8.8
16.45	8.8
16.45	8.8
16.84	8.8
17.23	8.8
17.61	8.8
18.00	8.8
18.00	8.8
18.23	8.8
18.45	8.8
18.45	8.8
18.84	8.8
19.23	8.8
19.61	8.8
20.00	8.8
20.00	8.8
20.23	8.8

20.45	8.8
20.45	8.8
20.84	8.8
21.23	8.8
21.61	8.8
22.00	8.9
22.00	8.9
22.23	8.9
22.45	8.9
22.45	8.9
22.84	8.9
23.23	9.0
23.61	9.0
24.00	9.0
24.00	9.0
24.23	9.1
24.45	9.1
24.45	9.1
24.84	9.1
25.23	9.2
25.61	9.2
26.00	9.3
26.00	9.3
26.23	9.3
26.45	9.2
26.45	9.2
26.84	9.1
27.23	9.0
27.61	8.9
28.00	8.8
28.00	8.8
28.23	8.6
28.45	8.4
28.45	8.3
28.84	7.7
29.23	7.1
29.61	6.3
30.00	5.6
30.00	5.6
30.23	5.1
30.45	4.6
30.45	4.6
30.84	3.7
31.23	2.8
31.61	1.8
32.00	0.8
32.00	0.7
32.23	0.3
32.45	-0.1

Escala 1 : 211.6
Sec. long. "A1" B= 1.00m : 0.00 7.85.. 32.45 7.85
Momentos placa: [kNm] "Gradiente térmico" (A02)
Comb.Hip.: 5 6
Fac. de amp.: 0.20000

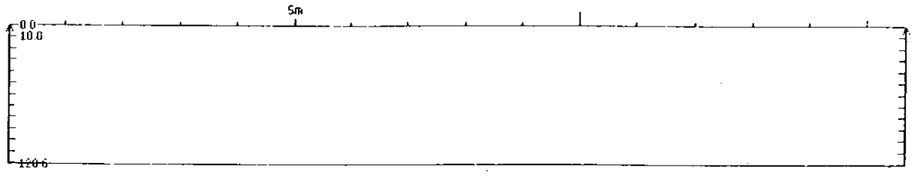


Momentos: Sección "A0" Sección long., ancho 2.00
"Gradiente térmico" (A02)
Cordenadas de la sección: 16.23, 0.00.. 16.23, 15.70

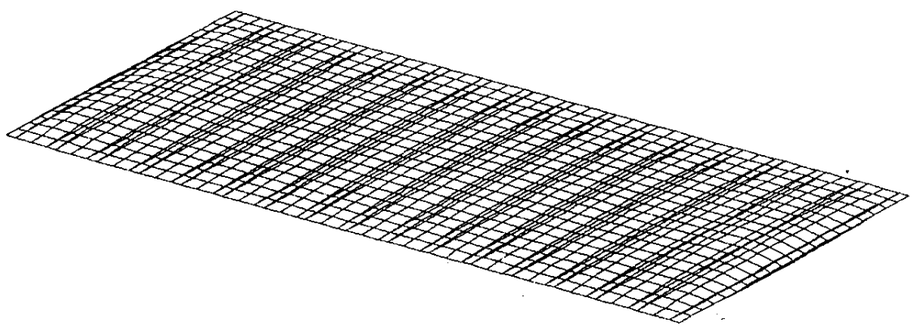
Distancia [m]	Mom [kNm]
0.00	120.6
0.36	120.6
0.71	120.6
1.07	120.6
1.43	120.6
1.78	120.6
2.14	120.6
2.50	120.6
2.85	120.6
3.21	120.6
3.57	120.6
3.92	120.6
4.28	120.6
4.64	120.6
5.00	120.6
5.35	120.6
5.71	120.6
6.07	120.6
6.42	120.6
6.78	120.6
7.14	120.6
7.49	120.6
7.85	120.6
8.21	120.6
8.56	120.6
8.92	120.6
9.28	120.6
9.63	120.6
9.99	120.6
10.35	120.6
10.70	120.6
11.06	120.6
11.42	120.6
11.77	120.6
12.13	120.6
12.49	120.6
12.85	120.6

13.20	120.6
13.56	120.6
13.92	120.6
14.27	120.6
14.63	120.6
14.99	120.6
15.34	120.6
15.70	120.6

Escala 1 : 103.1
Sec. long. "A0" B= 2.00m : 16.23 0.00.. 16.23 15.70
Momentos placa: [kNm] "Gradiente térmico" (A02)
Comb.Hip.: 5 6
Fac. de amp.: 0.02000



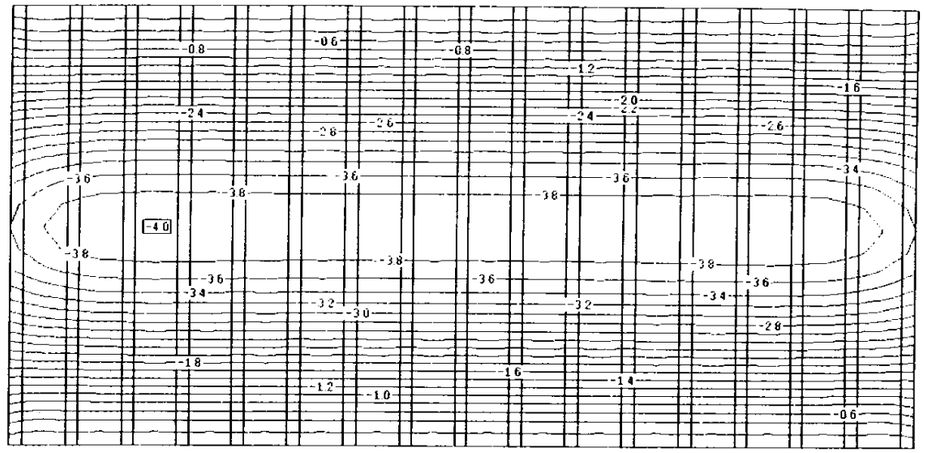
Escala 1 : 232.0
DESPLAZAMIENTOS "Gradiente térmico" (A02)
Comb.Hip.: 5 6
- Pos. deformada, ampliación= 374.7, xp=-0.7 yp=1.0 zp=-0.5
- Planta sin deformaciones



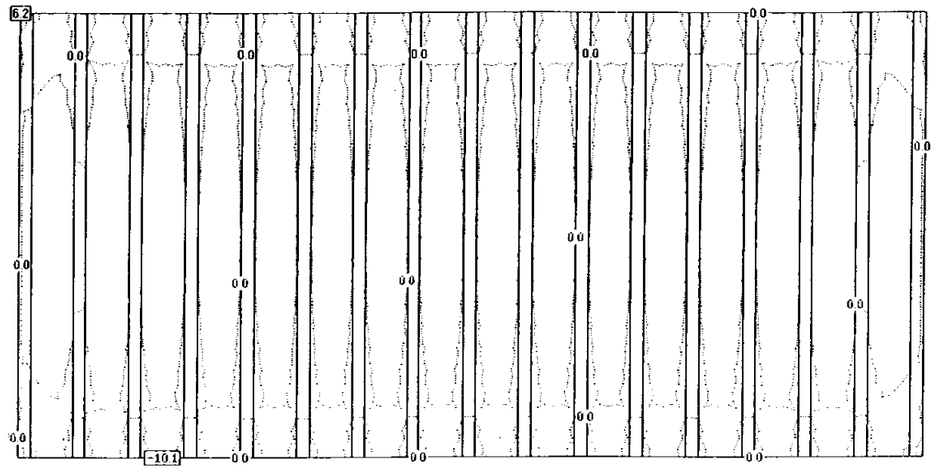
HIPOTESIS: "Peso propio" (A02)

Hip.	Fac.	Título
1	1.000	'Peso propio'

Escala 1 : 211.6
DESPLAZAMIENTOS [mm] "Peso propio" (A02)
Hipótesis 1
- Deformaciones DZ, Equidist= 0.200 [mm]



Escala 1 : 211.6
Momentos placa [kNm/m] "Peso propio" (A02)
Hipótesis 1
- Momentos MX [kNm/m] ,Dir-X= 0.00 Grados

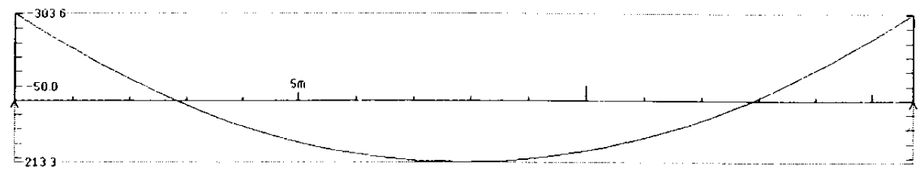


Momentos: Sección "A3" Sección long., ancho 2.00
"Peso propio" (A02)
Cordenadas de la sección: 8.11, 0.00.. 8.11, 15.70

Distancia [m]	Mom [kNm]
0.00	-303.6
0.36	-258.5
0.71	-214.2
1.07	-173.0
1.43	-133.3
1.78	-96.0
2.14	-60.8
2.50	-27.5
2.85	3.2
3.21	32.5
3.57	58.7
3.92	84.0
4.28	105.7
4.64	126.5
5.00	144.2
5.35	160.5
5.71	174.2
6.07	186.0
6.42	195.7
6.78	202.9
7.14	208.8
7.49	211.4
7.85	213.3

8.21	211.4
8.56	208.8
8.92	202.9
9.28	195.7
9.63	186.0
9.99	174.2
10.35	160.5
10.70	144.2
11.06	126.5
11.42	105.7
11.77	84.0
12.13	58.7
12.49	32.5
12.85	3.2
13.20	-27.5
13.56	-60.8
13.92	-96.0
14.27	-133.3
14.63	-173.0
14.99	-214.2
15.34	-258.5
15.70	-303.6

Escala 1 : 103.2
Sec. long. "A3" B= 2.00m : 8.11 0.00.. 8.11 15.70
Momentos placa: [kNm] "Peso propio" (A02)
Hipótesis 1
fac. de amp.: 0.00500



Momentos: Sección "A2" Sección long., ancho 1.00
"Peso propio" (A02)
Cordenadas de la sección: 0.00, 15.70.. 32.45, 15.70

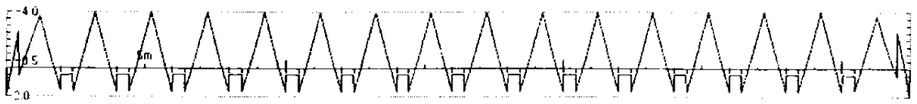
Distancia [m]	Mom [kNm]
0.00	2.0
0.22	-0.2
0.45	-2.6
0.45	0.6
0.84	-1.5
1.22	-3.7
1.61	-1.0
2.00	1.6
2.00	0.5

2.23	0.5
2.45	0.4
2.45	1.7
2.84	-1.1
3.23	-4.0
3.61	-1.1
4.00	1.6
4.00	0.4
4.22	0.5
4.45	0.4
4.45	1.7
4.84	-1.1
5.22	-4.0
5.61	-1.1
6.00	1.6
6.00	0.4
6.22	0.5
6.45	0.4
6.45	1.6
6.84	-1.1
7.22	-4.0
7.61	-1.1
8.00	1.6
8.00	0.4
8.22	0.5
8.45	0.4
8.45	1.6
8.84	-1.1
9.22	-4.0
9.61	-1.1
10.00	1.6
10.00	0.4
10.22	0.5
10.45	0.4
10.45	1.6
10.84	-1.1
11.22	-4.0
11.61	-1.1
12.00	1.6
12.00	0.4
12.22	0.5
12.45	0.4
12.45	1.6
12.84	-1.1
13.22	-4.0
13.61	-1.1
14.00	1.6
14.00	0.4
14.22	0.5
14.45	0.4
14.45	1.6
14.84	-1.1
15.22	-4.0
15.61	-1.1
16.00	1.6
16.00	0.4
16.23	0.5

16.45	0.4
16.45	1.6
16.84	-1.1
17.23	-4.0
17.61	-1.1
18.00	1.6
18.00	0.4
18.23	0.5
18.45	0.4
18.45	1.6
18.84	-1.1
19.23	-4.0
19.61	-1.1
20.00	1.6
20.00	0.4
20.23	0.5
20.45	0.4
20.45	1.6
20.84	-1.1
21.23	-4.0
21.61	-1.1
22.00	1.6
22.00	0.4
22.23	0.5
22.45	0.4
22.45	1.6
22.84	-1.1
23.23	-4.0
23.61	-1.1
24.00	1.6
24.00	0.4
24.23	0.5
24.45	0.4
24.45	1.6
24.84	-1.1
25.23	-4.0
25.61	-1.1
26.00	1.6
26.00	0.4
26.23	0.5
26.45	0.4
26.45	1.6
26.84	-1.1
27.23	-4.0
27.61	-1.1
28.00	1.7
28.00	0.4
28.23	0.5
28.45	0.4
28.45	1.6
28.84	-1.1
29.23	-4.0
29.61	-1.1
30.00	1.7
30.00	0.4
30.23	0.5
30.45	0.5

30.45	1.6
30.84	-1.0
31.23	-3.7
31.61	-1.5
32.00	0.6
32.00	-2.6
32.23	-0.2
32.45	2.0

Escala 1 : 211.6
Sec. long. "A2" B= 1.00m : 0.00 15.70.. 32.45 15.70
Momentos placa: [kNm] "Peso propio" (A02)
Hipótesis 1
Fac. de amp.: 0.50000



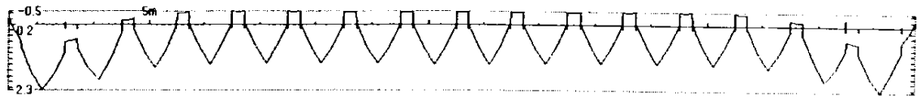
Momentos: Sección "A1" Sección long., ancho 1.00
"Peso propio" (A02)
Cordenadas de la sección: 0.00, 7.85.. 32.45, 7.85

Distancia [m]	Mom [kNm]
0.00	-0.2
0.22	0.2
0.45	0.5
0.45	0.8
0.84	1.7
1.22	2.3
1.61	1.7
2.00	1.0
2.00	0.6
2.23	0.6
2.45	0.5
2.45	0.9
2.84	1.5
3.23	1.9
3.61	1.2
4.00	0.3
4.00	-0.1
4.22	-0.2
4.45	-0.2
4.45	0.2
4.84	1.0
5.22	1.5
5.61	0.9
6.00	0.0
6.00	-0.4
6.22	-0.4

6.45	-0.4
6.45	-0.0
6.84	0.8
7.22	1.4
7.61	0.8
8.00	-0.1
8.00	-0.5
8.22	-0.5
8.45	-0.5
8.45	-0.1
8.84	0.8
9.22	1.3
9.61	0.8
10.00	-0.1
10.00	-0.5
10.22	-0.4
10.45	-0.5
10.45	-0.1
10.84	0.8
11.22	1.4
11.61	0.8
12.00	-0.0
12.00	-0.5
12.22	-0.4
12.45	-0.5
12.45	-0.0
12.84	0.8
13.22	1.4
13.61	0.8
14.00	-0.0
14.00	-0.4
14.22	-0.4
14.45	-0.4
14.45	-0.0
14.84	0.8
15.22	1.4
15.61	0.8
16.00	-0.0
16.00	-0.4
16.23	-0.4
16.45	-0.4
16.45	-0.0
16.84	0.8
17.23	1.4
17.61	0.8
18.00	-0.0
18.00	-0.4
18.23	-0.4
18.45	-0.4
18.45	-0.0
18.84	0.8
19.23	1.4
19.61	0.8
20.00	-0.0
20.00	-0.5
20.23	-0.4
20.45	-0.5

20.45	-0.0
20.84	0.8
21.23	1.4
21.61	0.8
22.00	-0.1
22.00	-0.5
22.23	-0.4
22.45	-0.5
22.45	-0.1
22.84	0.8
23.23	1.3
23.61	0.8
24.00	-0.1
24.00	-0.5
24.23	-0.5
24.45	-0.5
24.45	-0.1
24.84	0.8
25.23	1.4
25.61	0.8
26.00	-0.0
26.00	-0.4
26.23	-0.4
26.45	-0.4
26.45	0.0
26.84	0.9
27.23	1.5
27.61	1.0
28.00	0.2
28.00	-0.2
28.23	-0.2
28.45	-0.1
28.45	0.3
28.84	1.2
29.23	1.9
29.61	1.5
30.00	0.9
30.00	0.5
30.23	0.6
30.45	0.6
30.45	1.0
30.84	1.7
31.23	2.3
31.61	1.7
32.00	0.8
32.00	0.5
32.23	0.2
32.45	-0.2

Escala 1 : 211.6
Sec. long. "A1" B= 1.00m : 0.00 7.85.. 32.45 7.85
Momentos placa: [kNm] "Peso propio" (A02)
Hipótesis 1
Fac. de amp.: 1.000

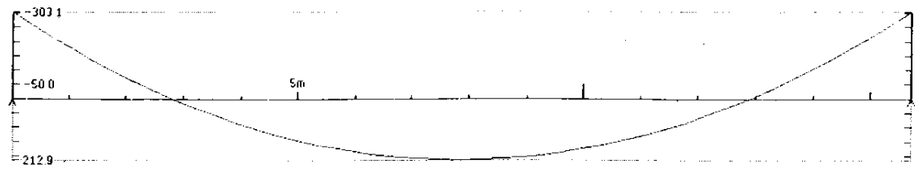


Momentos: Sección "A0" Sección long., ancho 2.00
"Peso propio" (A02)
Cordenadas de la sección: 16.23, 0.00.. 16.23, 15.70

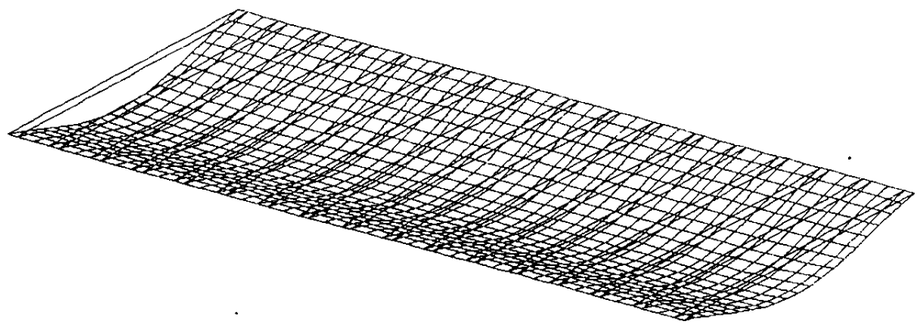
Distancia [m]	Mom [kNm]
0.00	-303.1
0.36	-258.1
0.71	-213.8
1.07	-172.7
1.43	-133.0
1.78	-95.9
2.14	-60.7
2.50	-27.4
2.85	3.2
3.21	32.5
3.57	58.6
3.92	83.9
4.28	105.5
4.64	126.3
5.00	143.9
5.35	160.2
5.71	173.9
6.07	185.6
6.42	195.4
6.78	202.6
7.14	208.4
7.49	211.1
7.85	212.9
8.21	211.1
8.56	208.4
8.92	202.6
9.28	195.4
9.63	185.6
9.99	173.9
10.35	160.2
10.70	143.9
11.06	126.3
11.42	105.5
11.77	83.9
12.13	58.6
12.49	32.5

12.85	3.2
13.20	-27.4
13.56	-60.7
13.92	-95.9
14.27	-133.0
14.63	-172.7
14.99	-213.8
15.34	-258.1
15.70	-303.1

Escala 1 : 103.2
Sec. long. "A0" B= 2.00m : 16.23 0.00.. 16.23 15.70
Momentos placa: [kNm] "Peso propio" (A02)
Hipótesis 1
Fac. de amp.: 0.00500



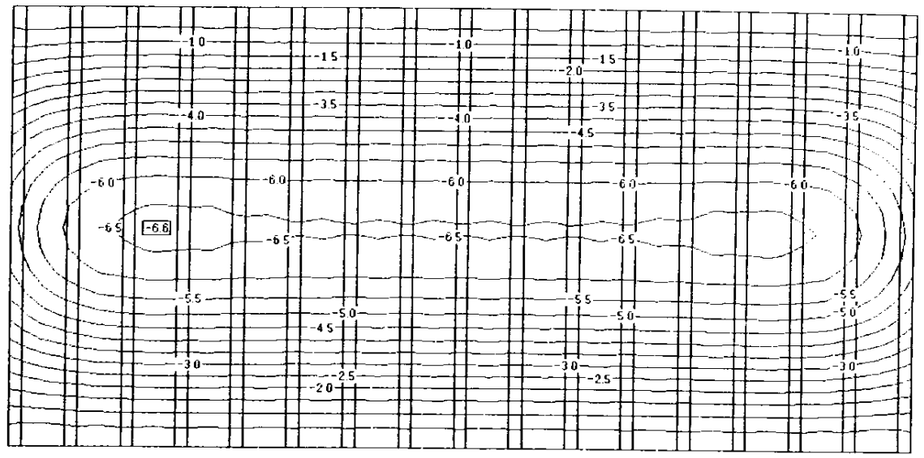
Escala 1 : 232.0
DESPLAZAMIENTOS "Peso propio" (A02)
Hipótesis 1
- Pos. deformada, ampliación= 414.3, xp=-0.7 yp=1.0 zp=-0.5
- Planta sin deformaciones



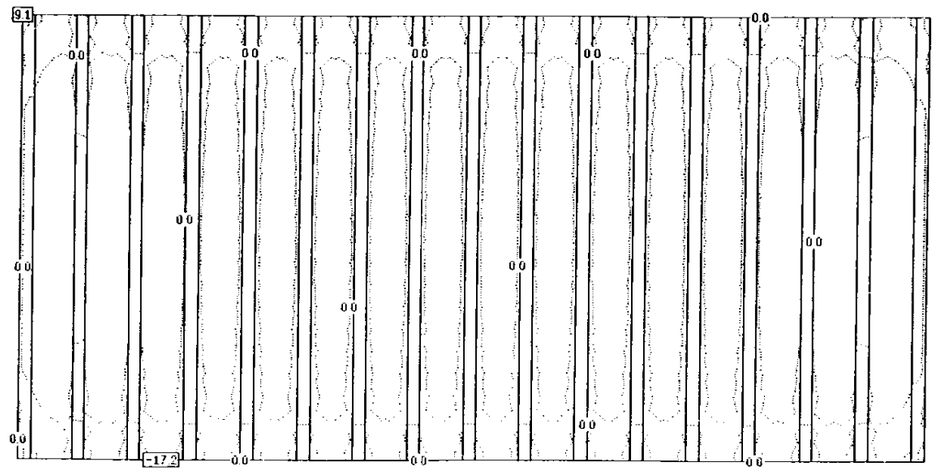
HIPOTESIS: "Carga muerta" (A02)

Hip.	Fac.	Titulo
2	1.000	'Carga muerta'

Escala 1 : 211.6
DESPLAZAMIENTOS [mm] "Carga muerta" (A02)
Hipótesis 2
- Deformaciones DZ, Equidist= 0.500 [mm]



Escala 1 : 211.6
Momentos placa [kNm/m] "Carga muerta" (A02)
Hipótesis 2
- Momentos MX [kNm/m] ,Dir-X= 0.00 Grados

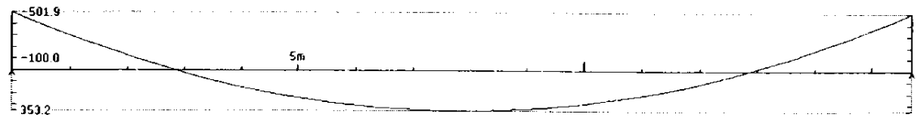


Momentos: Sección "A3" Sección long., ancho 2.00
"Carga muerta" (A02)
Cordenadas de la sección: 8.11, 0.00.. 8.11, 15.70

Distancia [m]	Mom [kNm]
0.00	-501.9
0.36	-427.5
0.71	-354.2
1.07	-286.3
1.43	-220.4
1.78	-158.9
2.14	-100.7
2.50	-45.6
2.85	5.2
3.21	53.8
3.57	97.0
3.92	139.1
4.28	174.8
4.64	209.4
5.00	238.5
5.35	265.6
5.71	288.3
6.07	307.7
6.42	324.0
6.78	335.8
7.14	345.6
7.49	349.9
7.85	353.2

8.21	349.9
8.56	345.6
8.92	335.8
9.28	324.0
9.63	307.7
9.99	288.3
10.35	265.6
10.70	238.5
11.06	209.4
11.42	174.8
11.77	139.1
12.13	97.0
12.49	53.8
12.85	5.1
13.20	-45.6
13.56	-100.7
13.92	-158.9
14.27	-220.4
14.63	-286.3
14.99	-354.2
15.34	-427.5
15.70	-501.9

Escala 1 : 102.9
Sec. long. "A3" B= 2.00m : 8.11 0.00.. 8.11 15.70
Momentos placa: [kNm] "Carga muerta" (A02)
Hipótesis 2
Fac. de amp.: 0.00200



Momentos: Sección "A2" Sección long., ancho 1.00
"Carga muerta" (A02)
Cordenadas de la sección: 0.00, 15.70.. 32.45, 15.70

Distancia [m]	Mom [kNm]
0.00	3.0
0.22	-0.3
0.45	-3.6
0.45	1.1
0.84	-2.0
1.22	-5.6
1.61	-1.5
2.00	2.3
2.00	0.8
2.23	0.6
2.45	0.5

2.45	2.6
2.84	-1.7
3.23	-6.5
3.61	-1.8
4.00	2.6
4.00	0.7
4.22	0.6
4.45	0.6
4.45	2.7
4.84	-1.8
5.22	-6.7
5.61	-1.8
6.00	2.7
6.00	0.6
6.22	0.6
6.45	0.6
6.45	2.6
6.84	-1.8
7.22	-6.7
7.61	-1.8
8.00	2.6
8.00	0.6
8.22	0.6
8.45	0.6
8.45	2.6
8.84	-1.8
9.22	-6.6
9.61	-1.8
10.00	2.6
10.00	0.6
10.22	0.6
10.45	0.6
10.45	2.6
10.84	-1.8
11.22	-6.6
11.61	-1.8
12.00	2.6
12.00	0.6
12.22	0.6
12.45	0.6
12.45	2.6
12.84	-1.8
13.22	-6.6
13.61	-1.8
14.00	2.6
14.00	0.6
14.22	0.6
14.45	0.6
14.45	2.6
14.84	-1.8
15.22	-6.6
15.61	-1.8
16.00	2.6
16.00	0.6
16.23	0.6
16.45	0.6
16.45	2.6

16.84	-1.8
17.23	-6.6
17.61	-1.8
18.00	2.6
18.00	0.6
18.23	0.6
18.45	0.6
18.45	2.6
18.84	-1.8
19.23	-6.6
19.61	-1.8
20.00	2.6
20.00	0.6
20.23	0.6
20.45	0.6
20.45	2.6
20.84	-1.8
21.23	-6.6
21.61	-1.8
22.00	2.6
22.00	0.6
22.23	0.6
22.45	0.6
22.45	2.6
22.84	-1.8
23.23	-6.6
23.61	-1.8
24.00	2.6
24.00	0.6
24.23	0.6
24.45	0.6
24.45	2.6
24.84	-1.8
25.23	-6.7
25.61	-1.8
26.00	2.6
26.00	0.6
26.23	0.6
26.45	0.6
26.45	2.7
26.84	-1.8
27.23	-6.7
27.61	-1.8
28.00	2.7
28.00	0.6
28.23	0.6
28.45	0.7
28.45	2.6
28.84	-1.8
29.23	-6.5
29.61	-1.7
30.00	2.6
30.00	0.5
30.23	0.6
30.45	0.8
30.45	2.3
30.84	-1.5

31.23	-5.6
31.61	-2.0
32.00	1.1
32.00	-3.6
32.23	-0.3
32.45	3.0

Escala 1 : 211.6
Sec. long. "A2" B= 1.00m : 0.00 15.70.. 32.45 15.70
Momentos placa: [kNm] "Carga muerta" (A02)
Hipótesis 2
Fac. de amp.: 0.20000



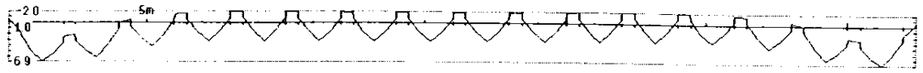
Momentos: Sección "A1" Sección long., ancho 1.00
"Carga muerta" (A02)
Cordenadas de la sección: 0.00, 7.85.. 32.45, 7.85

Distancia [m]	Mom [kNm]
0.00	-0.5
0.22	0.6
0.45	1.6
0.45	2.4
0.84	5.0
1.22	6.9
1.61	5.5
2.00	3.5
2.00	2.5
2.23	2.4
2.45	2.2
2.45	3.2
2.84	4.9
3.23	6.1
3.61	3.9
4.00	1.1
4.00	0.0
4.22	-0.2
4.45	-0.4
4.45	0.7
4.84	2.7
5.22	4.1
5.61	2.2
6.00	-0.3
6.00	-1.5
6.22	-1.5
6.45	-1.6
6.45	-0.5
6.84	1.7

7.22	3.3
7.61	1.6
8.00	-0.8
8.00	-1.9
8.22	-1.9
8.45	-2.0
8.45	-0.8
8.84	1.5
9.22	3.2
9.61	1.5
10.00	-0.8
10.00	-1.9
10.22	-1.9
10.45	-1.9
10.45	-0.8
10.84	1.5
11.22	3.2
11.61	1.5
12.00	-0.7
12.00	-1.9
12.22	-1.8
12.45	-1.9
12.45	-0.7
12.84	1.6
13.22	3.3
13.61	1.6
14.00	-0.7
14.00	-1.8
14.22	-1.8
14.45	-1.8
14.45	-0.7
14.84	1.6
15.22	3.3
15.61	1.6
16.00	-0.7
16.00	-1.8
16.23	-1.8
16.45	-1.8
16.45	-0.7
16.84	1.6
17.23	3.3
17.61	1.6
18.00	-0.7
18.00	-1.8
18.23	-1.8
18.45	-1.8
18.45	-0.7
18.84	1.6
19.23	3.3
19.61	1.6
20.00	-0.7
20.00	-1.9
20.23	-1.8
20.45	-1.9
20.45	-0.7
20.84	1.5
21.23	3.2

21.61	1.5
22.00	-0.8
22.00	-1.9
22.23	-1.9
22.45	-1.9
22.45	-0.8
22.84	1.5
23.23	3.2
23.61	1.5
24.00	-0.8
24.00	-2.0
24.23	-1.9
24.45	-1.9
24.45	-0.8
24.84	1.6
25.23	3.3
25.61	1.7
26.00	-0.5
26.00	-1.6
26.23	-1.5
26.45	-1.5
26.45	-0.3
26.84	2.2
27.23	4.1
27.61	2.7
28.00	0.7
28.00	-0.4
28.23	-0.2
28.45	0.0
28.45	1.1
28.84	3.9
29.23	6.1
29.61	4.9
30.00	3.2
30.00	2.2
30.23	2.4
30.45	2.5
30.45	3.5
30.84	5.5
31.23	6.9
31.61	5.0
32.00	2.4
32.00	1.6
32.23	0.6
32.45	-0.5

Escala 1 : 211.6
Sec. long. "A1" B= 1.00m : 0.00 7.85.. 32.45 7.85
Momentos placa: [kNm] "Carga muerta" (A02)
Hipótesis 2
Fac. de amp.: 0.20000

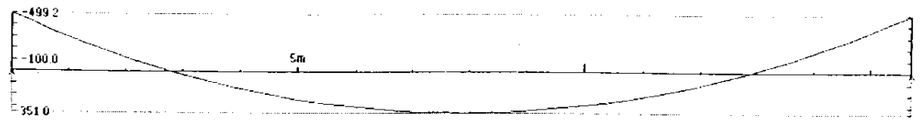


Momentos: Sección "A0" Sección long., ancho 2.00
"Carga muerta" (A02)
Cordenadas de la sección: 16.23, 0.00.. 16.23, 15.70

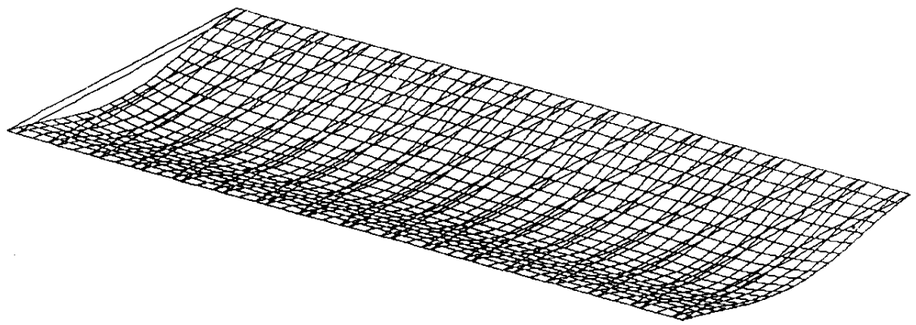
Distancia [m]	Mom [kNm]
0.00	-499.2
0.36	-425.2
0.71	-352.1
1.07	-284.5
1.43	-219.0
1.78	-157.8
2.14	-99.9
2.50	-45.1
2.85	5.3
3.21	53.6
3.57	96.6
3.92	138.4
4.28	173.8
4.64	208.2
5.00	237.2
5.35	264.0
5.71	286.6
6.07	305.9
6.42	322.0
6.78	333.8
7.14	343.5
7.49	347.7
7.85	351.0
8.21	347.7
8.56	343.5
8.92	333.8
9.28	322.0
9.63	305.9
9.99	286.6
10.35	264.0
10.70	237.2
11.06	208.2
11.42	173.8
11.77	138.4
12.13	96.6
12.49	53.6
12.85	5.3

13.20	-45.1
13.56	-99.9
13.92	-157.8
14.27	-219.0
14.63	-284.5
14.99	-352.1
15.34	-425.2
15.70	-499.2

Escala 1 : 102.9
Sec. long. "A0" B= 2.00m : 16.23 0.00.. 16.23 15.70
Momentos placa: [kNm] "Carga muerta" (A02)
Hipótesis 2
Fac. de amp.: 0.00200



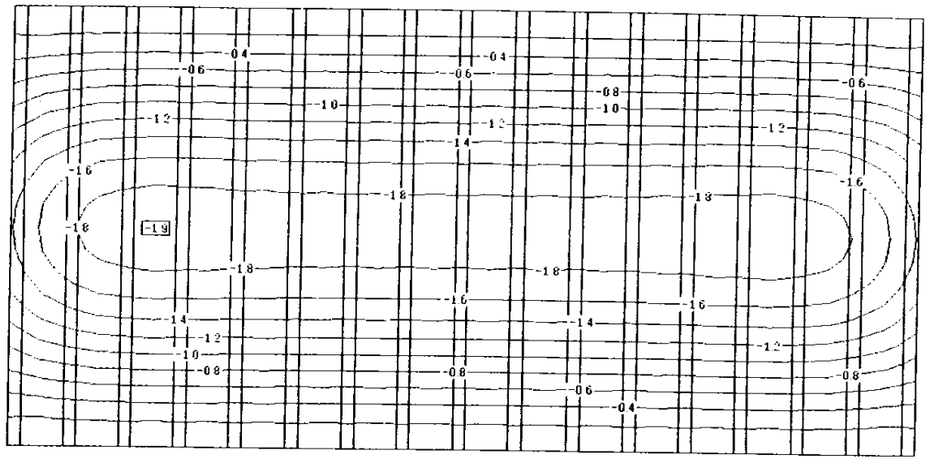
Escala 1 : 232.0
DESPLAZAMIENTOS "Carga muerta" (A02)
Hipótesis 2
- Pos. deformada, ampliación= 249.3, xp=-0.7 yp=1.0 zp=-0.5
- Planta sin deformaciones



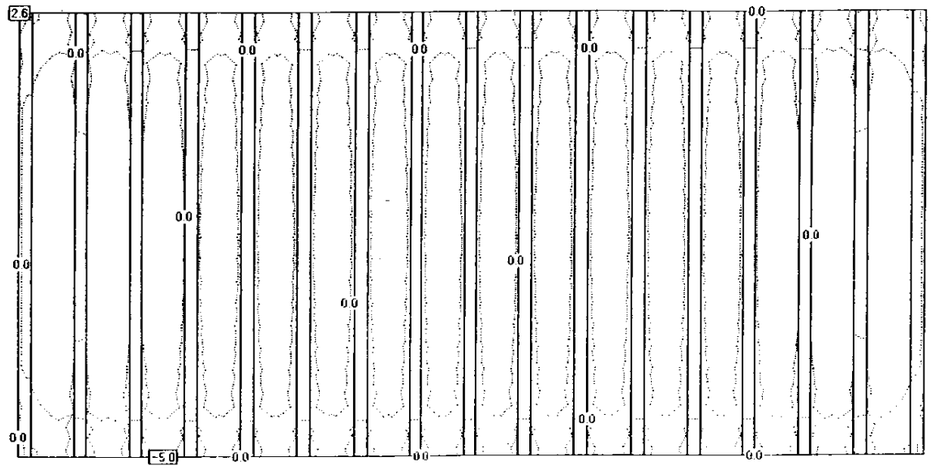
HIPOTESIS: "SC uniforme" (A02)

Hip.	Fac.	Título
3	1.000	'SC Uniforme'

Escala 1 : 211.6
DESPLAZAMIENTOS [mm] "SC uniforme" (A02)
Hipótesis 3
- Deformaciones DZ, Equidist= 0.200 [mm]



Escala 1 : 211.6
Momentos placa [kNm/m] "SC uniforme" (A02)
Hipótesis 3
- Momentos MX [kNm/m] ,Dir-X= 0.00 Grados

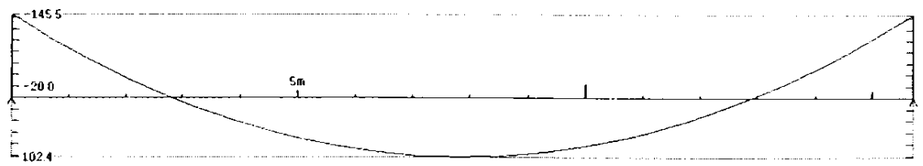


Momentos: Sección "A3" Sección long., ancho 2.00
"SC uniforme" (A02)
Cordenadas de la sección: 8.11, 0.00.. 8.11, 15.70

Distancia [m]	Mom [kNm]
0.00	-145.5
0.36	-123.9
0.71	-102.7
1.07	-83.0
1.43	-63.9
1.78	-46.1
2.14	-29.2
2.50	-13.2
2.85	1.5
3.21	15.6
3.57	28.1
3.92	40.3
4.28	50.7
4.64	60.7
5.00	69.1
5.35	77.0
5.71	83.6
6.07	89.2
6.42	93.9
6.78	97.3
7.14	100.2
7.49	101.4
7.85	102.4

8.21	101.4
8.56	100.2
8.92	97.3
9.28	93.9
9.63	89.2
9.99	83.6
10.35	77.0
10.70	69.1
11.06	60.7
11.42	50.7
11.77	40.3
12.13	28.1
12.49	15.6
12.85	1.5
13.20	-13.2
13.56	-29.2
13.92	-46.1
14.27	-63.9
14.63	-83.0
14.99	-102.7
15.34	-123.9
15.70	-145.5

Escala 1 : 103.2
Sec. long. "A3" B= 2.00m : 8.11 0.00.. 8.11 15.70
Momentos placa: [kNm] "SC uniforme" (A02)
Hipótesis 3
Fac. de amp.: 0.01000



Momentos: Sección "A2" Sección long., ancho 1.00
"SC uniforme" (A02)
Cordenadas de la sección: 0.00, 15.70.. 32.45, 15.70

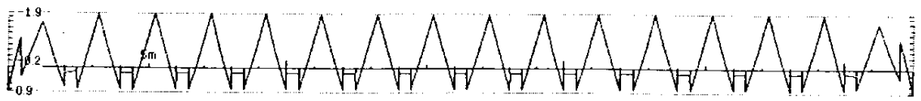
Distancia [m]	Mom [kNm]
0.00	0.9
0.22	-0.1
0.45	-1.1
0.45	0.3
0.84	-0.6
1.22	-1.6
1.61	-0.4
2.00	0.7
2.00	0.2

2.23	0.2
2.45	0.1
2.45	0.8
2.84	-0.5
3.23	-1.9
3.61	-0.5
4.00	0.8
4.00	0.2
4.22	0.2
4.45	0.2
4.45	0.8
4.84	-0.5
5.22	-1.9
5.61	-0.5
6.00	0.8
6.00	0.2
6.22	0.2
6.45	0.2
6.45	0.8
6.84	-0.5
7.22	-1.9
7.61	-0.5
8.00	0.8
8.00	0.2
8.22	0.2
8.45	0.2
8.45	0.8
8.84	-0.5
9.22	-1.9
9.61	-0.5
10.00	0.8
10.00	0.2
10.22	0.2
10.45	0.2
10.45	0.8
10.84	-0.5
11.22	-1.9
11.61	-0.5
12.00	0.8
12.00	0.2
12.22	0.2
12.45	0.2
12.45	0.8
12.84	-0.5
13.22	-1.9
13.61	-0.5
14.00	0.8
14.00	0.2
14.22	0.2
14.45	0.2
14.45	0.8
14.84	-0.5
15.22	-1.9
15.61	-0.5
16.00	0.8
16.00	0.2
16.23	0.2

16.45	0.2
16.45	0.8
16.84	-0.5
17.23	-1.9
17.61	-0.5
18.00	0.8
18.00	0.2
18.23	0.2
18.45	0.2
18.45	0.8
18.84	-0.5
19.23	-1.9
19.61	-0.5
20.00	0.8
20.00	0.2
20.23	0.2
20.45	0.2
20.45	0.8
20.84	-0.5
21.23	-1.9
21.61	-0.5
22.00	0.8
22.00	0.2
22.23	0.2
22.45	0.2
22.45	0.8
22.84	-0.5
23.23	-1.9
23.61	-0.5
24.00	0.8
24.00	0.2
24.23	0.2
24.45	0.2
24.45	0.8
24.84	-0.5
25.23	-1.9
25.61	-0.5
26.00	0.8
26.00	0.2
26.23	0.2
26.45	0.2
26.45	0.8
26.84	-0.5
27.23	-1.9
27.61	-0.5
28.00	0.8
28.00	0.2
28.23	0.2
28.45	0.2
28.45	0.8
28.84	-0.5
29.23	-1.9
29.61	-0.5
30.00	0.8
30.00	0.1
30.23	0.2
30.45	0.2

30.45	0.7
30.84	-0.4
31.23	-1.6
31.61	-0.6
32.00	0.3
32.00	-1.1
32.23	-0.1
32.45	0.9

Escala 1 : 211.6
Sec. long. "A2" B= 1.00m : 0.00 15.70.. 32.45 15.70
Momentos placa: [kNm] "SC uniforme" (A02)
Hipótesis 3
Fac. de amp.: 1.000



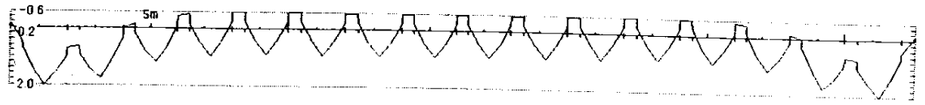
Momentos: Sección "A1" Sección long., ancho 1.00
"SC uniforme" (A02)
Cordenadas de la sección: 0.00, 7.85.. 32.45, 7.85

Distancia [m]	Mom [kNm]
0.00	-0.1
0.22	0.2
0.45	0.5
0.45	0.7
0.84	1.4
1.22	2.0
1.61	1.6
2.00	1.0
2.00	0.7
2.23	0.7
2.45	0.6
2.45	0.9
2.84	1.4
3.23	1.8
3.61	1.1
4.00	0.3
4.00	0.0
4.22	-0.1
4.45	-0.1
4.45	0.2
4.84	0.8
5.22	1.2
5.61	0.6
6.00	-0.1
6.00	-0.4
6.22	-0.4

6.45	-0.5
6.45	-0.1
6.84	0.5
7.22	1.0
7.61	0.5
8.00	-0.2
8.00	-0.6
8.22	-0.6
8.45	-0.6
8.45	-0.2
8.84	0.4
9.22	0.9
9.61	0.4
10.00	-0.2
10.00	-0.6
10.22	-0.6
10.45	-0.6
10.45	-0.2
10.84	0.4
11.22	0.9
11.61	0.4
12.00	-0.2
12.00	-0.5
12.22	-0.5
12.45	-0.5
12.45	-0.2
12.84	0.5
13.22	0.9
13.61	0.5
14.00	-0.2
14.00	-0.5
14.22	-0.5
14.45	-0.5
14.45	-0.2
14.84	0.5
15.22	1.0
15.61	0.5
16.00	-0.2
16.00	-0.5
16.23	-0.5
16.45	-0.5
16.45	-0.2
16.84	0.5
17.23	1.0
17.61	0.5
18.00	-0.2
18.00	-0.5
18.23	-0.5
18.45	-0.5
18.45	-0.2
18.84	0.5
19.23	0.9
19.61	0.5
20.00	-0.2
20.00	-0.5
20.23	-0.5
20.45	-0.5

20.45	-0.2
20.84	0.4
21.23	0.9
21.61	0.4
22.00	-0.2
22.00	-0.6
22.23	-0.6
22.45	-0.6
22.45	-0.2
22.84	0.4
23.23	0.9
23.61	0.4
24.00	-0.2
24.00	-0.6
24.23	-0.6
24.45	-0.6
24.45	-0.2
24.84	0.5
25.23	1.0
25.61	0.5
26.00	-0.1
26.00	-0.5
26.23	-0.4
26.45	-0.4
26.45	-0.1
26.84	0.6
27.23	1.2
27.61	0.8
28.00	0.2
28.00	-0.1
28.23	-0.1
28.45	0.0
28.45	0.3
28.84	1.1
29.23	1.8
29.61	1.4
30.00	0.9
30.00	0.6
30.23	0.7
30.45	0.7
30.45	1.0
30.84	1.6
31.23	2.0
31.61	1.4
32.00	0.7
32.00	0.5
32.23	0.2
32.45	-0.1

Escala 1 : 211.6
Sec. long. "A1" B= 1.00m : 0.00 7.85.. 32.45 7.85
Momentos placa: [kNm] "SC uniforme" (A02)
Hipótesis 3
Fac. de amp.: 1.000

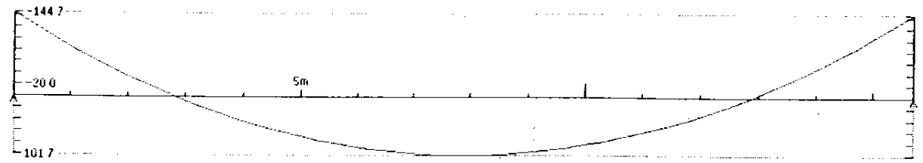


Momentos: Sección "A0" Sección long., ancho 2.00
"SC uniforme" (A02)
Cordenadas de la sección: 16.23, 0.00.. 16.23, 15.70

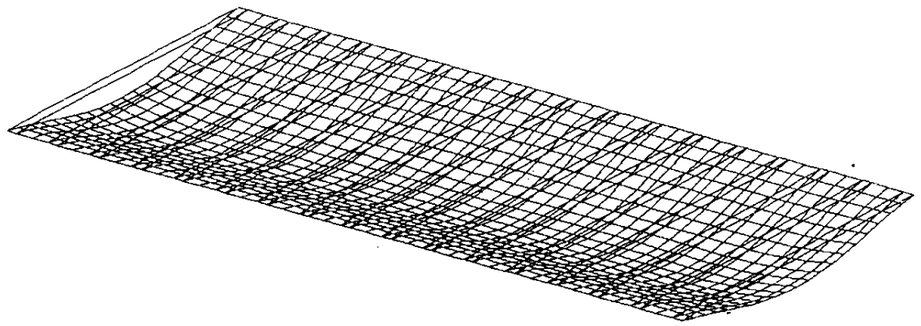
Distancia [m]	Mom [kNm]
0.00	-144.7
0.36	-123.2
0.71	-102.1
1.07	-82.5
1.43	-63.5
1.78	-45.8
2.14	-28.9
2.50	-13.1
2.85	1.5
3.21	15.5
3.57	28.0
3.92	40.1
4.28	50.4
4.64	60.4
5.00	68.7
5.35	76.5
5.71	83.1
6.07	88.7
6.42	93.3
6.78	96.7
7.14	99.6
7.49	100.8
7.85	101.7
8.21	100.8
8.56	99.6
8.92	96.7
9.28	93.3
9.63	88.7
9.99	83.1
10.35	76.5
10.70	68.7
11.06	60.4
11.42	50.4
11.77	40.1
12.13	28.0
12.49	15.5

12.85	1.5
13.20	-13.1
13.56	-29.0
13.92	-45.8
14.27	-63.5
14.63	-82.5
14.99	-102.1
15.34	-123.2
15.70	-144.7

Escala 1 : 103.2
Sec. long. "A0" B= 2.00m : 16.23 0.00.. 16.23 15.70
Momentos placa: [kNm] "SC uniforme" (A02)
Hipótesis 3
Fac. de amp.: 0.01000



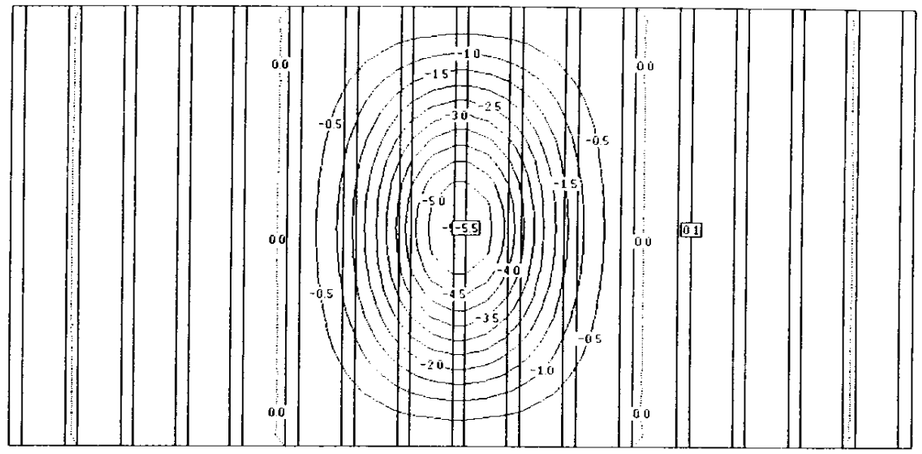
Escala 1 : 232.0
DESPLAZAMIENTOS "SC uniforme" (A02)
Hipótesis 3
- Pos. deformada, ampliación= 860.1, xp=-0.7 yp=1.0 zp=-0.5
- Planta sin deformaciones



HIPOTESIS: "Carro de 60T" (A02)

Hip.	Fac.	Título
4	1.000	'Carro de 60T'

Escala 1 : 211.6
DESPLAZAMIENTOS [mm] "Carro de 60T" (A02)
Hipótesis 4
- Deformaciones DZ, Equidist= 0.500 [mm]

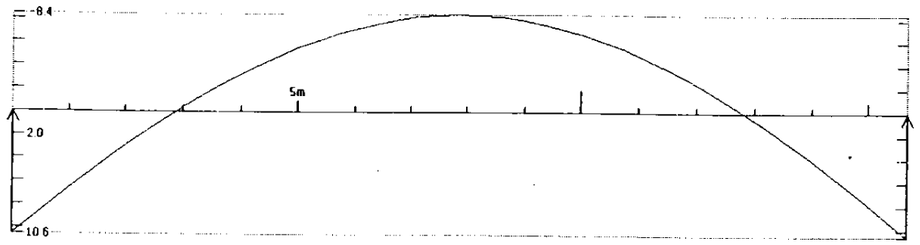


Momentos: Sección "A3" Sección long., ancho 2.00
"Carro de 60T" (A02)
Cordenadas de la sección: 8.11, 0.00.. 8.11, 15.70

Distancia [m]	Mom [kNm]
0.00	10.6
0.36	9.2
0.71	7.7
1.07	6.4
1.43	5.0
1.78	3.7
2.14	2.4
2.50	1.2
2.85	0.1
3.21	-1.0
3.57	-2.1
3.92	-3.1
4.28	-3.9
4.64	-4.8
5.00	-5.5
5.35	-6.2

5.71	-6.7
6.07	-7.2
6.42	-7.6
6.78	-7.9
7.14	-8.2
7.49	-8.3
7.85	-8.4
8.21	-8.3
8.56	-8.2
8.92	-7.9
9.28	-7.6
9.63	-7.2
9.99	-6.7
10.35	-6.2
10.70	-5.5
11.06	-4.8
11.42	-3.9
11.77	-3.1
12.13	-2.1
12.49	-1.0
12.85	0.1
13.20	1.2
13.56	2.4
13.92	3.7
14.27	5.0
14.63	6.4
14.99	7.7
15.34	9.2
15.70	10.6

Escala 1 : 103.6
Sec. long. "A3" B= 2.00m : 8.11 0.00.. 8.11 15.70
Momentos placa: [kNm] "Carro de 60T" (A02)
Hipótesis 4
Fac. de amp.: 0.20000



Momentos: Sección "A2" Sección long., ancho 1.00
"Carro de 60T" (A02)
Cordenadas de la sección: 0.00, 15.70.. 32.45, 15.70

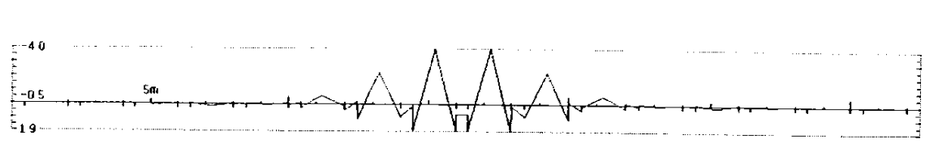
Distancia [m]	Mom [kNm]

0.00	0.0
0.22	-0.0
0.45	-0.0
0.45	-0.0
0.84	-0.0
1.22	-0.0
1.61	-0.0
2.00	0.0
2.00	-0.0
2.23	0.0
2.45	0.0
2.45	-0.0
2.84	0.0
3.23	0.0
3.61	0.0
4.00	-0.0
4.00	-0.0
4.22	-0.0
4.45	0.0
4.45	-0.0
4.84	0.0
5.22	0.1
5.61	0.0
6.00	-0.0
6.00	-0.0
6.22	-0.0
6.45	0.0
6.45	-0.1
6.84	0.0
7.22	0.1
7.61	0.0
8.00	-0.1
8.00	-0.0
8.22	-0.0
8.45	-0.0
8.45	-0.0
8.84	0.0
9.22	0.1
9.61	-0.0
10.00	-0.1
10.00	0.1
10.22	-0.0
10.45	-0.1
10.45	0.2
10.84	-0.2
11.22	-0.6
11.61	-0.2
12.00	0.1
12.00	0.4
12.22	0.1
12.45	-0.2
12.45	1.0
12.84	-0.6
13.22	-2.3
13.61	-0.7
14.00	0.9

14.00	0.8
14.22	0.5
14.45	0.1
14.45	1.9
14.84	-1.0
15.22	-4.0
15.61	-1.0
16.00	1.8
16.00	0.7
16.23	0.7
16.45	0.7
16.45	1.8
16.84	-1.0
17.23	-4.0
17.61	-1.0
18.00	1.9
18.00	0.1
18.23	0.5
18.45	0.8
18.45	0.9
18.84	-0.7
19.23	-2.3
19.61	-0.6
20.00	1.0
20.00	-0.2
20.23	0.1
20.45	0.4
20.45	0.1
20.84	-0.2
21.23	-0.6
21.61	-0.2
22.00	0.2
22.00	-0.1
22.23	-0.0
22.45	0.1
22.45	-0.1
22.84	-0.0
23.23	0.1
23.61	0.0
24.00	-0.0
24.00	-0.0
24.23	-0.0
24.45	-0.0
24.45	-0.1
24.84	0.0
25.23	0.1
25.61	0.0
26.00	-0.1
26.00	0.0
26.23	-0.0
26.45	-0.0
26.45	-0.0
26.84	0.0
27.23	0.1
27.61	0.0
28.00	-0.0
28.00	0.0

28.23	-0.0
28.45	-0.0
28.45	-0.0
28.84	0.0
29.23	0.0
29.61	0.0
30.00	-0.0
30.00	0.0
30.23	0.0
30.45	-0.0
30.45	0.0
30.84	-0.0
31.23	-0.0
31.61	-0.0
32.00	-0.0
32.00	-0.0
32.23	-0.0
32.45	0.0

Escala 1 : 211.6
Sec. long. "A2" B= 1.00m : 0.00 15.70.. 32.45 15.70
Momentos placa: [kNm] "Carro de 60T" (A02)
Hipótesis 4
Fac. de amp.: 0.50000



Momentos: Sección "A1" Sección long., ancho 1.00
"Carro de 60T" (A02)
Cordenadas de la sección: 0.00, 7.85.. 32.45, 7.85

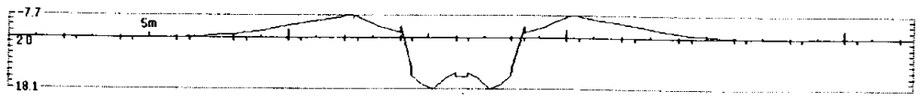
Distancia [m]	Mom [kNm]
0.00	-0.0
0.22	0.0
0.45	0.0
0.45	0.0
0.84	0.0
1.22	0.0
1.61	0.1
2.00	0.1
2.00	0.1
2.23	0.1
2.45	0.1
2.45	0.1
2.84	0.1
3.23	0.2
3.61	0.2
4.00	0.2

4.00	0.2
4.22	0.2
4.45	0.2
4.45	0.2
4.84	0.2
5.22	0.1
5.61	0.1
6.00	0.1
6.00	0.1
6.22	0.0
6.45	-0.0
6.45	-0.1
6.84	-0.3
7.22	-0.5
7.61	-0.8
8.00	-1.1
8.00	-1.0
8.22	-1.3
8.45	-1.5
8.45	-1.6
8.84	-2.1
9.22	-2.7
9.61	-3.4
10.00	-4.1
10.00	-4.1
10.22	-4.5
10.45	-4.9
10.45	-4.9
10.84	-5.4
11.22	-6.0
11.61	-6.7
12.00	-7.4
12.00	-7.7
12.22	-7.6
12.45	-7.5
12.45	-7.1
12.84	-5.5
13.22	-3.9
13.61	-2.8
14.00	-1.6
14.00	-3.8
14.22	3.3
14.45	10.5
14.45	13.5
14.84	16.5
15.22	18.1
15.61	14.4
16.00	12.3
16.00	13.9
16.23	13.9
16.45	13.9
16.45	12.3
16.84	14.4
17.23	18.1
17.61	16.5
18.00	13.5
18.00	10.5

18.23	3.3
18.45	-3.8
18.45	-1.6
18.84	-2.8
19.23	-3.9
19.61	-5.5
20.00	-7.1
20.00	-7.5
20.23	-7.6
20.45	-7.7
20.45	-7.4
20.84	-6.7
21.23	-6.0
21.61	-5.4
22.00	-4.9
22.00	-4.9
22.23	-4.5
22.45	-4.1
22.45	-4.1
22.84	-3.4
23.23	-2.7
23.61	-2.1
24.00	-1.6
24.00	-1.5
24.23	-1.3
24.45	-1.0
24.45	-1.1
24.84	-0.8
25.23	-0.5
25.61	-0.3
26.00	-0.1
26.00	-0.0
26.23	0.0
26.45	0.1
26.45	0.1
26.84	0.1
27.23	0.1
27.61	0.2
28.00	0.2
28.00	0.2
28.23	0.2
28.45	0.2
28.45	0.2
28.84	0.2
29.23	0.2
29.61	0.1
30.00	0.1
30.00	0.1
30.23	0.1
30.45	0.1
30.45	0.1
30.84	0.1
31.23	0.0
31.61	0.0
32.00	0.0
32.00	0.0
32.23	0.0

32.45 -0.0

Escala 1 : 211.6
Sec. long. "A1" B= 1.00m : 0.00 7.85.. 32.45 7.85
Momentos placa: [kNm] "Carro de 60T" (A02)
Hipótesis 4
Fac. de amp.: 0.10000

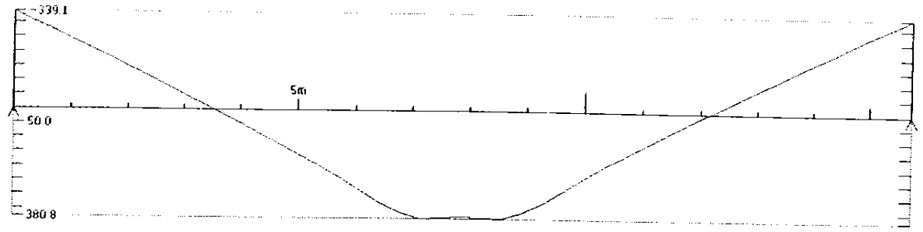


Momentos: Sección "A0" Sección long., ancho 2.00
"Carro de 60T" (A02)
Cordenadas de la sección: 16.23, 0.00.. 16.23, 15.70

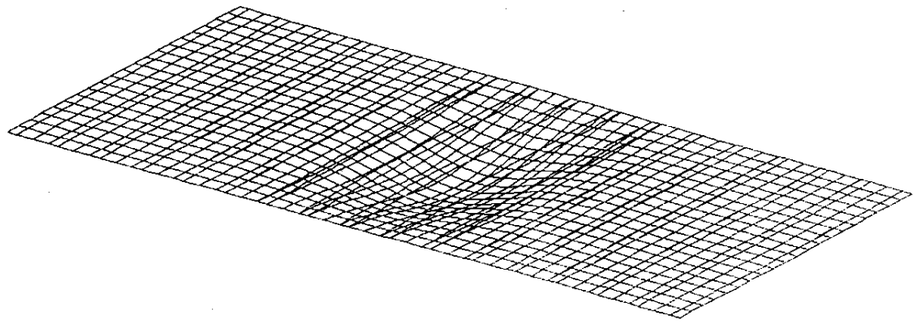
Distancia [m]	Mom [kNm]
0.00	-339.1
0.36	-305.0
0.71	-270.9
1.07	-237.1
1.43	-203.2
1.78	-169.3
2.14	-135.3
2.50	-101.1
2.85	-66.5
3.21	-31.7
3.57	4.1
3.92	39.9
4.28	77.6
4.64	115.3
5.00	154.9
5.35	195.0
5.71	237.0
6.07	282.5
6.42	326.0
6.78	359.5
7.14	380.8
7.49	375.1
7.85	372.9
8.21	375.1
8.56	380.8
8.92	359.5
9.28	326.0
9.63	282.5
9.99	237.0
10.35	195.0
10.70	154.9
11.06	115.3
11.42	77.6

11.77	39.9
12.13	4.1
12.49	-31.7
12.85	-66.5
13.20	-101.1
13.56	-135.3
13.92	-169.3
14.27	-203.2
14.63	-237.1
14.99	-270.9
15.34	-305.0
15.70	-339.1

Escala 1 : 103.5
Sec. long. "A0" B= 2.00m : 16.23 0.00.. 16.23 15.70
Momentos placa: [kNm] "Carro de 60T" (A02)
Hipótesis 4
Fac. de amp.: 0.00500



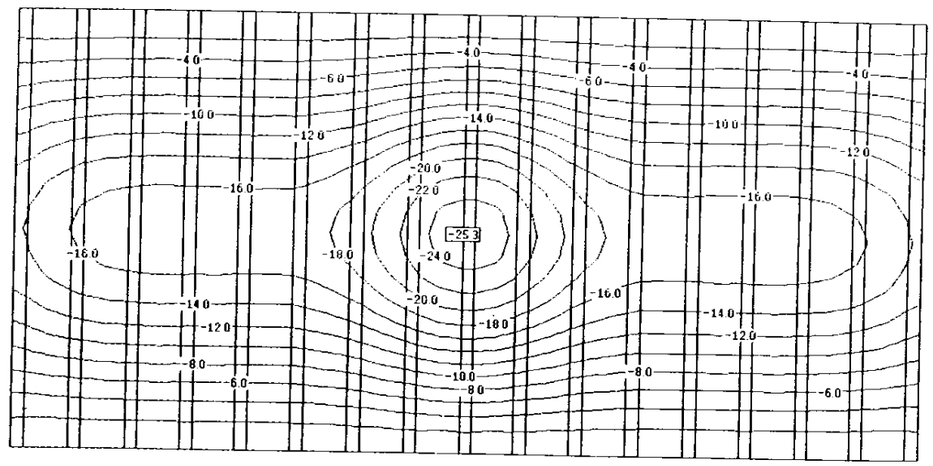
Escala 1 : 232.0
DESPLAZAMIENTOS "Carro de 60T" (A02)
Hipótesis 4
- Pos. deformada, ampliación= 201.5, xp=-0.7 yp=1.0 zp=-0.5
- Planta sin deformaciones



ENVOLVENTES: "ELU" (A02)

Espec.	Nº Hip.	Factor	Título
PERM	1	1.350	Peso propio
Y	2	1.350	Carga muerta
MAS	3	1.500	SC Uniforme
MAS	4	1.500	Carro de 60T
MAS	5	1.500	Grad. ter. losa
Y	6	1.500	Grad. term. viga

Escala 1 : 211.6
ENVOLVENTE DEFORMACIONES [mm] "ELU" (A02)
Carga: S1 1.35 U2 1.35 P3 1.5 P4 1.5 P5 1.5 U6 1.5
- Min. Desplazamietos, Equidist= 2.0 [mm]

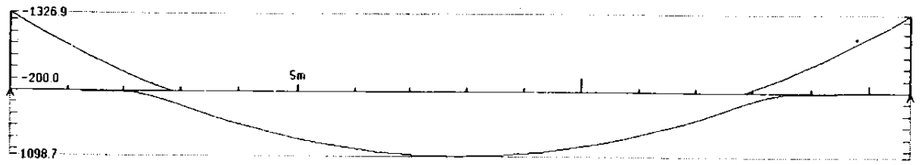


Momentos de armadura: Sección "A3" Sección long., ancho 2.00
"ELU" (A02)
Cordenadas de la sección: 8.11, 0.00.. 8.11, 15.70

Distancia [m]	MomD- [kNm]	MomD+ [kNm]
0.00	-1326.9	4.9
0.36	-1120.7	2.8
0.71	-925.1	1.7
1.07	-748.3	8.7
1.43	-576.8	13.4
1.78	-415.8	16.8
2.14	-262.9	18.8
2.50	-119.8	85.4
2.85	-0.4	201.3
3.21	0.0	321.1
3.57	0.0	433.4

3.92	0.0	542.8
4.28	0.0	635.5
4.64	0.0	725.3
5.00	0.0	801.1
5.35	0.0	871.3
5.71	0.0	930.3
6.07	0.0	980.8
6.42	0.0	1022.9
6.78	0.0	1053.8
7.14	0.0	1079.1
7.49	0.0	1090.3
7.85	0.0	1098.7
8.21	0.0	1090.3
8.56	0.0	1079.1
8.92	0.0	1053.8
9.28	0.0	1022.9
9.63	0.0	980.8
9.99	0.0	930.3
10.35	0.0	871.3
10.70	0.0	801.1
11.06	0.0	725.3
11.42	0.0	635.5
11.77	0.0	542.8
12.13	0.0	433.4
12.49	0.0	321.1
12.85	-0.4	201.2
13.20	-119.8	85.4
13.56	-262.9	18.8
13.92	-415.8	16.8
14.27	-576.8	13.4
14.63	-748.3	8.7
14.99	-925.1	1.7
15.34	-1120.8	2.8
15.70	-1326.9	4.9

Escala 1 : 103.1
Sec. long. "A3" B= 2.00m : 8.11 0.00.. 8.11 15.70
MOMENTOS DE ARM.: [kNm] "ELU" (A02)
Carga: S1 1.35 U2 1.35 P3 1.5 P4 1.5 P5 1.5 U6 1.5
Fac. de amp.: 0.00100



Momentos de armadura: Sección "A2" Sección long., ancho 1.00
"ELU" (A02)
Cordenadas de la sección: 0.00, 15.70.. 32.45, 15.70

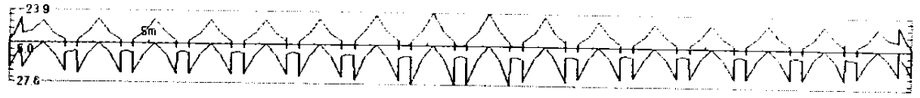
Distancia	MomD-	MomD+

[m]	[kNm]	[kNm]
0.00	-2.6	17.9
0.22	-8.3	9.3
0.45	-18.3	3.3
0.45	-6.5	17.8
0.84	-9.1	6.3
1.22	-16.2	0.0
1.61	-6.7	7.4
2.00	-2.2	19.8
2.00	-0.3	7.0
2.23	-0.3	5.8
2.45	-0.4	5.6
2.45	-2.2	21.0
2.84	-7.8	7.5
3.23	-17.2	0.0
3.61	-7.6	7.2
4.00	-2.4	20.9
4.00	-0.3	6.4
4.22	-0.3	5.5
4.45	-0.4	5.9
4.45	-2.4	21.5
4.84	-7.8	7.4
5.22	-17.3	0.0
5.61	-7.8	7.3
6.00	-2.4	21.5
6.00	-0.4	6.2
6.22	-0.3	5.4
6.45	-0.3	6.2
6.45	-2.4	21.5
6.84	-7.8	7.3
7.22	-17.3	0.0
7.61	-7.8	7.3
8.00	-2.4	21.5
8.00	-0.4	6.2
8.22	-0.3	5.4
8.45	-0.3	6.2
8.45	-2.4	21.5
8.84	-7.9	7.3
9.22	-17.3	0.0
9.61	-7.9	7.3
10.00	-2.6	21.5
10.00	-0.3	6.5
10.22	-0.3	5.7
10.45	-0.4	6.2
10.45	-2.7	22.3
10.84	-8.7	7.6
11.22	-18.8	0.0
11.61	-8.3	7.5
12.00	-3.2	22.6
12.00	-0.4	7.8
12.22	-0.4	6.6
12.45	-0.6	6.8
12.45	-3.1	24.8
12.84	-10.3	8.3
13.22	-21.9	0.0
13.61	-9.3	8.2

14.00	-3.7	25.0
14.00	-0.4	8.9
14.22	-0.5	7.4
14.45	-0.8	7.4
14.45	-2.9	27.6
14.84	-11.0	8.8
15.22	-23.9	0.0
15.61	-10.2	8.8
16.00	-3.3	27.6
16.00	-0.8	8.0
16.23	-0.5	6.9
16.45	-0.8	8.0
16.45	-3.3	27.6
16.84	-10.2	8.8
17.23	-23.9	0.0
17.61	-11.0	8.8
18.00	-2.9	27.6
18.00	-0.8	7.4
18.23	-0.5	7.4
18.45	-0.4	8.9
18.45	-3.7	25.0
18.84	-9.3	8.2
19.23	-21.9	0.0
19.61	-10.3	8.4
20.00	-3.1	24.8
20.00	-0.6	6.8
20.23	-0.4	6.6
20.45	-0.4	7.8
20.45	-3.2	22.6
20.84	-8.3	7.5
21.23	-18.8	0.0
21.61	-8.7	7.6
22.00	-2.7	22.3
22.00	-0.4	6.2
22.23	-0.3	5.7
22.45	-0.3	6.5
22.45	-2.6	21.5
22.84	-7.9	7.3
23.23	-17.3	0.0
23.61	-7.9	7.3
24.00	-2.4	21.5
24.00	-0.3	6.2
24.23	-0.3	5.4
24.45	-0.4	6.2
24.45	-2.4	21.5
24.84	-7.9	7.3
25.23	-17.3	0.0
25.61	-7.8	7.3
26.00	-2.4	21.6
26.00	-0.3	6.2
26.23	-0.3	5.4
26.45	-0.4	6.2
26.45	-2.4	21.4
26.84	-7.8	7.3
27.23	-17.3	0.0
27.61	-7.8	7.4
28.00	-2.4	21.5

28.00	-0.4	5.9
28.23	-0.3	5.5
28.45	-0.3	6.4
28.45	-2.4	20.9
28.84	-7.6	7.2
29.23	-17.2	0.0
29.61	-7.8	7.5
30.00	-2.2	21.0
30.00	-0.4	5.6
30.23	-0.3	5.8
30.45	-0.3	7.0
30.45	-2.2	19.8
30.84	-6.7	7.4
31.23	-16.2	0.0
31.61	-9.1	6.3
32.00	-6.5	17.8
32.00	-18.3	3.3
32.23	-8.3	9.4
32.45	-2.6	17.9

Escala 1 : 211.6
Sec. long. "A2" B= 1.00m : 0.00 15.70.. 32.45 15.70
MOMENTOS DE ARM.: [kNm] "ELU" (A02)
Carga: S1 1.35 U2 1.35 P3 1.5 P4 1.5 P5 1.5 U6 1.5
Fac. de amp.: 0.05000



Momentos de armadura: Sección "A1" Sección long., ancho 1.00
"ELU" (A02)
Cordenadas de la sección: 0.00, 7.85.. 32.45, 7.85

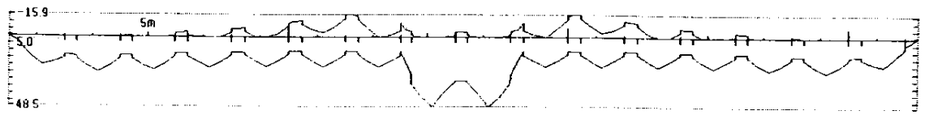
Distancia [m]	MomD- [kNm]	MomD+ [kNm]
0.00	-1.6	0.0
0.22	0.0	2.1
0.45	0.0	4.9
0.45	0.0	6.9
0.84	0.0	14.1
1.22	0.0	19.9
1.61	0.0	18.0
2.00	0.0	14.8
2.00	0.0	12.5
2.23	0.0	13.0
2.45	0.0	13.3
2.45	0.0	15.6
2.84	0.0	20.7
3.23	0.0	24.3
3.61	0.0	20.5

4.00	0.0	15.3
4.00	-0.3	12.8
4.22	-0.6	12.8
4.45	-1.1	12.7
4.45	0.0	15.0
4.84	0.0	19.7
5.22	0.0	23.1
5.61	0.0	19.0
6.00	-0.6	13.6
6.00	-3.2	11.5
6.22	-3.3	11.3
6.45	-3.6	11.1
6.45	-1.1	13.2
6.84	0.0	18.0
7.22	0.0	21.5
7.61	0.0	17.6
8.00	-3.1	12.5
8.00	-5.6	10.4
8.22	-6.0	10.4
8.45	-6.4	10.3
8.45	-3.9	12.4
8.84	-0.3	17.3
9.22	0.0	20.9
9.61	-2.2	17.1
10.00	-7.7	12.2
10.00	-10.4	10.1
10.22	-10.9	10.1
10.45	-11.6	10.1
10.45	-8.9	12.2
10.84	-5.3	17.1
11.22	-3.0	20.8
11.61	-7.3	17.1
12.00	-12.9	12.2
12.00	-15.9	10.1
12.22	-15.6	10.1
12.45	-15.5	10.1
12.45	-12.4	12.2
12.84	-5.7	17.1
13.22	-0.3	20.9
13.61	-1.6	17.1
14.00	-4.6	12.5
14.00	-10.3	10.2
14.22	-5.3	17.2
14.45	-4.3	26.1
14.45	-1.3	32.5
14.84	0.0	42.2
15.22	0.0	48.5
15.61	0.0	39.5
16.00	-1.3	31.2
16.00	-3.9	31.0
16.23	-3.8	31.0
16.45	-3.9	31.0
16.45	-1.3	31.2
16.84	0.0	39.5
17.23	0.0	48.5
17.61	0.0	42.2
18.00	-1.3	32.5

18.00	-4.3	26.1
18.23	-5.3	17.2
18.45	-10.3	10.2
18.45	-4.6	12.5
18.84	-1.6	17.1
19.23	-0.3	20.9
19.61	-5.7	17.1
20.00	-12.4	12.2
20.00	-15.5	10.1
20.23	-15.6	10.1
20.45	-15.9	10.1
20.45	-12.9	12.2
20.84	-7.3	17.1
21.23	-3.0	20.8
21.61	-5.3	17.1
22.00	-8.9	12.2
22.00	-11.6	10.1
22.23	-10.9	10.1
22.45	-10.4	10.1
22.45	-7.7	12.2
22.84	-2.2	17.1
23.23	0.0	20.9
23.61	-0.3	17.3
24.00	-3.9	12.4
24.00	-6.4	10.3
24.23	-6.0	10.4
24.45	-5.6	10.4
24.45	-3.1	12.5
24.84	0.0	17.6
25.23	0.0	21.5
25.61	0.0	18.0
26.00	-1.1	13.2
26.00	-3.6	11.1
26.23	-3.3	11.3
26.45	-3.2	11.5
26.45	-0.6	13.6
26.84	0.0	19.0
27.23	0.0	23.1
27.61	0.0	19.7
28.00	0.0	15.0
28.00	-1.1	12.7
28.23	-0.6	12.8
28.45	-0.3	12.8
28.45	0.0	15.3
28.84	0.0	20.5
29.23	0.0	24.3
29.61	0.0	20.7
30.00	0.0	15.6
30.00	0.0	13.3
30.23	0.0	13.0
30.45	0.0	12.5
30.45	0.0	14.8
30.84	0.0	18.0
31.23	0.0	19.9
31.61	0.0	14.1
32.00	0.0	6.9
32.00	0.0	4.9

32.23	0.0	2.1
32.45	-1.6	0.0

Escala 1 : 211.6
Sec. long. "A1" B= 1.00m : 0.00 7.85.. 32.45 7.85
MOMENTOS DE ARM.: [kNm] "ELU" (A02)
Carga: S1 1.35 U2 1.35 P3 1.5 P4 1.5 P5 1.5 U6 1.5
Fac. de amp.: 0.05000

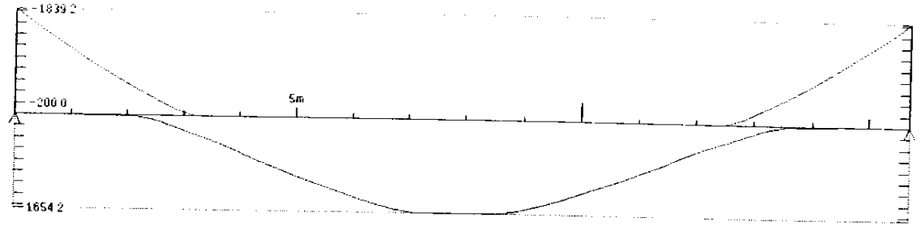


Momentos de armadura: Sección "A0" Sección long., ancho 2.00
"ELU" (A02)
Cordenadas de la sección: 16.23, 0.00.. 16.23, 15.70

Distancia [m]	MomD- [kNm]	MomD+ [kNm]
0.00	-1839.2	5.8
0.36	-1575.9	3.2
0.71	-1328.7	1.5
1.07	-1100.7	8.5
1.43	-879.8	13.1
1.78	-668.5	16.7
2.14	-465.6	19.1
2.50	-273.1	85.0
2.85	-97.4	203.1
3.21	-0.0	325.4
3.57	0.0	455.2
3.92	0.0	605.1
4.28	0.0	753.5
4.64	0.0	899.3
5.00	0.0	1033.5
5.35	0.0	1162.8
5.71	0.0	1283.7
6.07	0.0	1402.1
6.42	0.0	1509.5
6.78	0.0	1590.6
7.14	0.0	1648.8
7.49	0.0	1650.6
7.85	0.0	1654.2
8.21	0.0	1650.6
8.56	0.0	1648.8
8.92	0.0	1590.6
9.28	0.0	1509.5
9.63	0.0	1402.1
9.99	0.0	1283.7
10.35	0.0	1162.8
10.70	0.0	1033.5

11.06	0.0	899.3
11.42	0.0	753.5
11.77	0.0	605.1
12.13	0.0	455.2
12.49	-0.0	325.4
12.85	-97.4	203.1
13.20	-273.1	85.0
13.56	-465.6	19.1
13.92	-668.5	16.7
14.27	-879.8	13.1
14.63	-1100.7	8.5
14.99	-1328.7	1.5
15.34	-1575.9	3.2
15.70	-1839.2	5.8

Escala 1 : 103.5
Sec. long. "A0" B= 2.00m : 16.23 0.00.. 16.23 15.70
MOMENTOS DE ARM.: [kNm] "ELU" (A02)
Carga: S1 1.35 U2 1.35 P3 1.5 P4 1.5 P5 1.5 U6 1.5
Fac. de amp.: 0.00100



6.3 Modelo de cálculo II. Pórtico plano

En este apartado se adjunta la definición del modelo empleado, incluyendo las hipótesis de cargas empleadas.

Al final del apartado se adjuntan gráficos que describen el modelo y las cargas.

****
* DATOS - ESTRUCTURA *
****

Etapa Nº : 5

Etapa : Biarticulada

D A T O S D E N U D O S:(26 Nudo)

Nudo	X [M]	Y [M]	Z [M]	Apoyo V XYZ	Apoyo R XYZ	Especial
3	0.00000	0.00000	0.00000	S F	F	
4	15.70000	0.00000	0.00000	S F	F	
5	0.00000	0.00000	1.00000			
6	15.70000	0.00000	1.00000			
7	0.00000	0.00000	7.90000			
8	15.70000	0.00000	7.90000			
9	0.00000	0.00000	-12.40000	S B	F	
10	15.70000	0.00000	-12.40000	S B	F	
11	0.00000	0.00000	-11.16000	S F	F	
12	15.70000	0.00000	-11.16000	S F	F	
13	0.00000	0.00000	-9.92000	S F	F	
14	15.70000	0.00000	-9.92000	S F	F	
15	0.00000	0.00000	-8.68000	S F	F	
16	15.70000	0.00000	-8.68000	S F	F	
17	0.00000	0.00000	-7.44000	S F	F	
18	15.70000	0.00000	-7.44000	S F	F	
19	0.00000	0.00000	-6.20000	S F	F	
20	15.70000	0.00000	-6.20000	S F	F	
21	0.00000	0.00000	-4.96000	S F	F	
22	15.70000	0.00000	-4.96000	S F	F	
23	0.00000	0.00000	-3.72000	S F	F	
24	15.70000	0.00000	-3.72000	S F	F	
25	0.00000	0.00000	-2.48000	S F	F	
26	15.70000	0.00000	-2.48000	S F	F	
27	0.00000	0.00000	-1.24000	S F	F	
28	15.70000	0.00000	-1.24000	S F	F	

NUDOS CON APOYO ELASTICO: ("B"=Bloqueado "F"=Libre)

Nudo	D-X [KN/M]	D-Y [KN/M]	D-Z [KN/M]	R-X [KNM/ARC]	R-Y [KNM/ARC]	R-Z [KNM/ARC]
3	4.400E+04		F		F	
4	4.400E+04		F		F	
9	4.400E+04		B		F	
10	4.400E+04		B		F	
11	4.400E+04		F		F	
12	4.400E+04		F		F	
13	4.400E+04		F		F	
14	4.400E+04		F		F	
15	4.400E+04		F		F	
16	4.400E+04		F		F	
17	4.400E+04		F		F	
18	4.400E+04		F		F	
19	4.400E+04		F		F	
20	4.400E+04		F		F	
21	4.400E+04		F		F	
22	4.400E+04		F		F	
23	4.400E+04		F		F	
24	4.400E+04		F		F	
25	4.400E+04		F		F	
26	4.400E+04		F		F	
27	4.400E+04		F		F	
28	4.400E+04		F		F	

D A T O S B A R R A S : (25 Barras)

Barra	Incidencias Inicio	Fin	Long.Barras [M]	Nombre-sec. (Cant.var)	Articulaciones Inicio Fin	Especial
1*	3	5	1.00000	ENCEPADO		oS
2*	6	4	1.00000	ENCEPADO		oS
5	7	8	15.70000	VIGA		oS
20*	5	7	6.90000	Canto variable	------ ----*-	oS
21*	8	6	6.90000	Canto variable	----*- ------	oS
22*	11	9	1.24000	PILOTE		oS
23*	12	10	1.24000	PILOTE		oS
24*	13	11	1.24000	PILOTE		oS
25*	14	12	1.24000	PILOTE		oS
26*	15	13	1.24000	PILOTE		oS
27*	16	14	1.24000	PILOTE		oS
28*	17	15	1.24000	PILOTE		oS
29*	18	16	1.24000	PILOTE		oS
30*	19	17	1.24000	PILOTE		oS
31*	20	18	1.24000	PILOTE		oS
32*	21	19	1.24000	PILOTE		oS
33*	22	20	1.24000	PILOTE		oS
34*	23	21	1.24000	PILOTE		oS
35*	24	22	1.24000	PILOTE		oS
36*	25	23	1.24000	PILOTE		oS
37*	26	24	1.24000	PILOTE		oS
38*	27	25	1.24000	PILOTE		oS
39*	28	26	1.24000	PILOTE		oS

Barra	Incidencias Inicio	Fin	Long.Barras [M]	Nombre-sec. (Cant.var)	Articulaciones Inicio Fin	Especial
40*	3	27	1.24000	PILOTE		oS
41*	4	28	1.24000	PILOTE		oS

Die mit "*" markierten Stabachsen (ohne Exzentr.) sind vertikal.
Ihre lokalen y-Achsen zeigen in die globale Y-Richtung
(vor einer allf. Drehung mit der "ORIENTIERUNG..."-Anweisung

oS = Stäbe ohne Schubverformung

ORIENTANCION BARRAS Y CANT.VAR:

Barra	Cantos variables Inicio-sec	Fin-sec	Orientación barras x/n1/Angulo Beta	y/n2	z
20	HASTIAL	HAST_FIS			
21	HAST_FIS	HASTIAL			

CARACTERISTICAS DE SEC.

Nombre Sec.	Ax [M2] / zi [M1]	Iy [M4] / zs [M1]	Fz [M2]
ENCEPADO	2.4000E+00	2.8800E-01	2.0000E+00
	-0.6000	0.6000	
HASTIAL	1.6000E+00	8.5333E-02	1.3333E+00
	-0.4000	0.4000	
HAST_FIS	1.0538E+00	2.4380E-02	8.7816E-01
	-0.2634	0.2634	
PILOTE	5.8820E-01	4.2397E-03	4.9016E-01
	-0.1470	0.1470	
VIGA	3.0000E-01	9.0000E-03	2.5000E-01
	-0.3000	0.3000	

MATERIALES:

Barra (hasta barra)	E-Módulo [KN/ M2]	G-Módulo [KN/ M2]
1 .. 41	2.7000E+07	9.0000E+06

STS-cálculo de etapa del proceso constructivo ok

6.4 Listado de hipótesis individuales

A continuación se adjuntan los esfuerzos, deformaciones y reacciones debidas a las hipótesis individuales, obtenidas en el modelo de cálculo correspondiente al pórtico plano.

Estos listados tienen como fin permitir la comprobación de los cálculos por personas ajenas al proyecto.

HIPÓTESIS DE CARGA

PESO PROPIO

$\gamma = 25 kN/m^3$

CARGA MUERTA

$\gamma = 2'3 Tn/m^3$ con un espesor de 0'6m

$2'3 \times 0'6 = 1'38 Tn/m^2 \times 2m$

SOBRECARGA UNIFORME: $q = 0'400\ T/m \times 2m$

SOBRECARGA DE CARRO: 8 cargas puntuales de 100kN repartidas 1'5m longitudinalmente y 2m transversalmente

GRADIENTE TÉRMICO

$\Delta T = 10°C$ en los 0'8m de canto de viga y 0'2 de losa

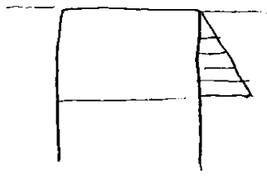
$K = \frac{10}{0'8} \times 10^{-5} (°C)^{-1} = 0'000125\ m^{-1}$ ← VIGA

$K = \frac{10}{0'2} \times 10^{-5} (°C)^{-1} = 0'0005\ m^{-1}$ ← LOSA

EMPUJE DE TIERRAS LADO 1 ARRIBA

$\gamma = 20 kN/m^3$

$E = 20 \times 8'3 \times \underbrace{0'5}_{K_h \text{ empuje al reposo}} \times 2 = 166\ kN/m$ (0'5 → 0'33; 166 → 109'56)

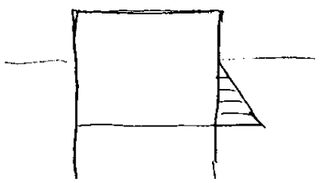


EMPUJE DE TIERRA LADO 2 ARRIBA

$E = 166\ kN/m$ (166 → 109'6)

EMPUJE DE TIERRA LADO 1. ABAJO

$E = 20 \cdot 5'10 \times 0'5 \times 2 = 102\ kN/m$ (102 → 67'3)

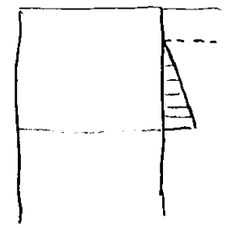


EMPUJE DE TIERRA LADO 2. ABAJO

$E = 102\ kN/m$ (102 → 67'3)

EMPUJE DE TIERRAS LADO 1 ARRIBA A MEDIAS

$E = 20 \times (8'3 - 2'1) \times 0'5 \times 2 = 124\ kN/m$ (124 → 81'8)



EMPUJE DE TIERRAS LADO 2 ARRIB A MEDIAS

$E = 124\ kN/m$ (124 → 81'8)

EMPUJE DE TIERRAS LADO 1 ABAJO A MEDIAS

$E = 20 \times (5'10 - 1'68) \cdot 0'5 \cdot 2 = 68'4\ kN/m$

EMPUJE DE TIERRAS LADO 2 ABAJO A MEDIAS

$E = 68'4\ kN/m$

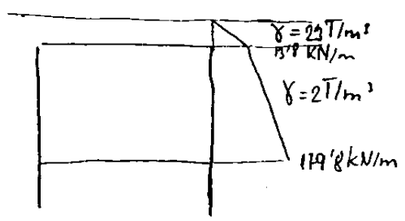
EMPUJE SC MAQUINARIA LADO 1

$E = 10\ kN/m^2 \times 0'5 \times 2 = 10\ kN/m$

EMPUJE SC MAQUINARIA LADO 2

$E = 10\ kN/m$

EMPUJE DE TIERRA LADO 1 SERVICIO ARRIBA



$E = (2 \cdot 3 \cdot 0'6 + 20 \times 8'3) 0'5 \cdot 2 = 179'8\ \frac{kN}{m} = 117'5$

EMPUJE DE TIERRA LADO 2 SERVICIO ARRIBA

$E = 179'8\ \frac{kN}{m} = 117'5$

==========
Hipótesis 14: Pretensado. articulada
==========

Cable 1: Unidades: (M)(KN)
==========

Paso	Lugar	Proceso	Fuerza	Alargamiento/ Pen. de cuñas	sobre fuerza max.
1	Inicio	TENSAR	4788.00	0.0967	
2	Fin	TENSAR	4788.00	0.0009	

Ley de fuerza del pretensado: (Lugar: Dist. a inicio cable)

Lugar	Fuerza	Lugar	Fuerza	Lugar	Fuerza	Lugar	Fuerza
0.000	4788.0	1.000	4782.0	2.917	4757.5	4.833	4733.2
6.750	4709.0	9.000	4732.2	11.250	4757.0	13.500	4782.0
14.500	4788.0						

==========
Hipótesis 29: Pretensado. empotrado.
==========

Cable 1: Unidades: (M)(KN)
==========

Paso	Lugar	Proceso	Fuerza	Alargamiento/ Pen. de cuñas	sobre fuerza max.
1	Inicio	TENSAR	4788.00	0.0967	
2	Fin	TENSAR	4788.00	0.0009	

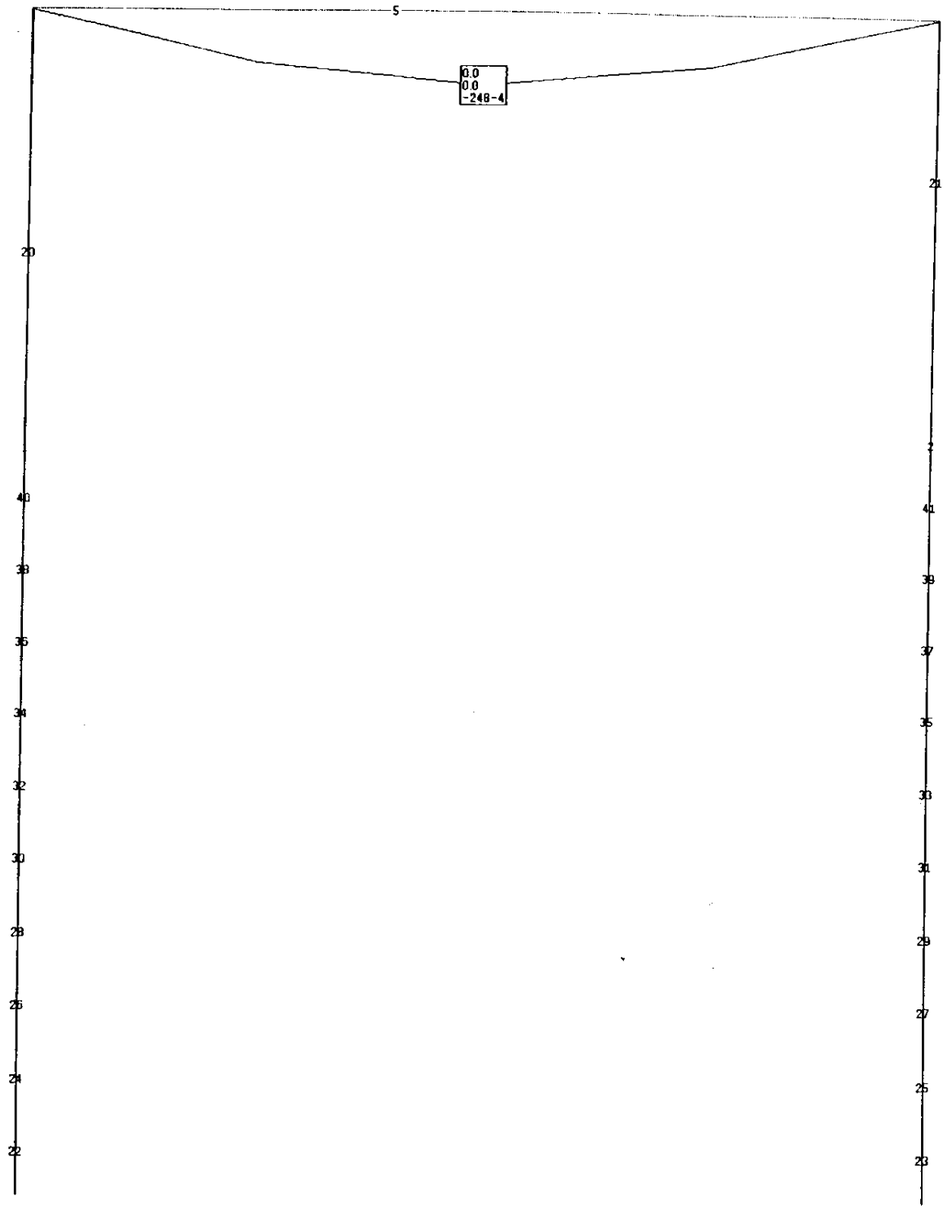
Ley de fuerza del pretensado: (Lugar: Dist. a inicio cable)

Lugar	Fuerza	Lugar	Fuerza	Lugar	Fuerza	Lugar	Fuerza
0.000	4788.0	1.000	4782.0	2.917	4757.5	4.833	4733.2
6.750	4709.0	9.000	4732.2	11.250	4757.0	13.500	4782.0
14.500	4788.0						

BELASTUNG: 'Peso propio. art.'

Lastfall	Faktor	Bauzustd.	Vorv.	Titel
1	1.0000	5		Peso propio. articulada.

Escala 1 : 102.4
Deformed structure, Hipótesi 1 (Peso propio. art.), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 5.0E1
- V-Max , Text: Vx,Vy,Vz [M]



ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
1	0	-347.765	0	0
1	0.250	-332.765	0	0
1	0.500	-317.765	0	0
1	0.750	-302.765	0	0
1	1.000	-287.765	0	0
2	0	-287.765	0	0
2	0.250	-302.765	0	0
2	0.500	-317.765	0	0
2	0.750	-332.765	0	0
2	1.000	-347.765	0	0
5	0	0	58.875	9.24E-06
5	3.925	0	29.437	173.313
5	7.850	0	-2.58E-14	231.084
5	11.775	0	-29.438	173.313
5	15.700	0	-58.875	9.24E-06
20	0	-287.765	0	0
20	1.725	-221.710	0	0
20	3.450	-161.543	0	0
20	5.175	-107.264	0	0
20	6.900	-58.875	0	0
21	0	-58.875	0	0
21	1.725	-107.264	0	0
21	3.450	-161.543	0	0
21	5.175	-221.710	0	0
21	6.900	-287.765	0	0
22	0	-511.873	0	0
22	0.310	-516.432	0	0
22	0.620	-520.990	0	0
22	0.930	-525.549	0	0
22	1.240	-530.107	0	0
23	0	-511.873	0	0
23	0.310	-516.432	0	0
23	0.620	-520.990	0	0
23	0.930	-525.549	0	0
23	1.240	-530.107	0	0
24	0	-493.639	0	0
24	0.310	-498.197	0	0
24	0.620	-502.756	0	0
24	0.930	-507.314	0	0
24	1.240	-511.873	0	0
25	0	-493.639	0	0
25	0.310	-498.197	0	0
25	0.620	-502.756	0	0
25	0.930	-507.314	0	0
25	1.240	-511.873	0	0

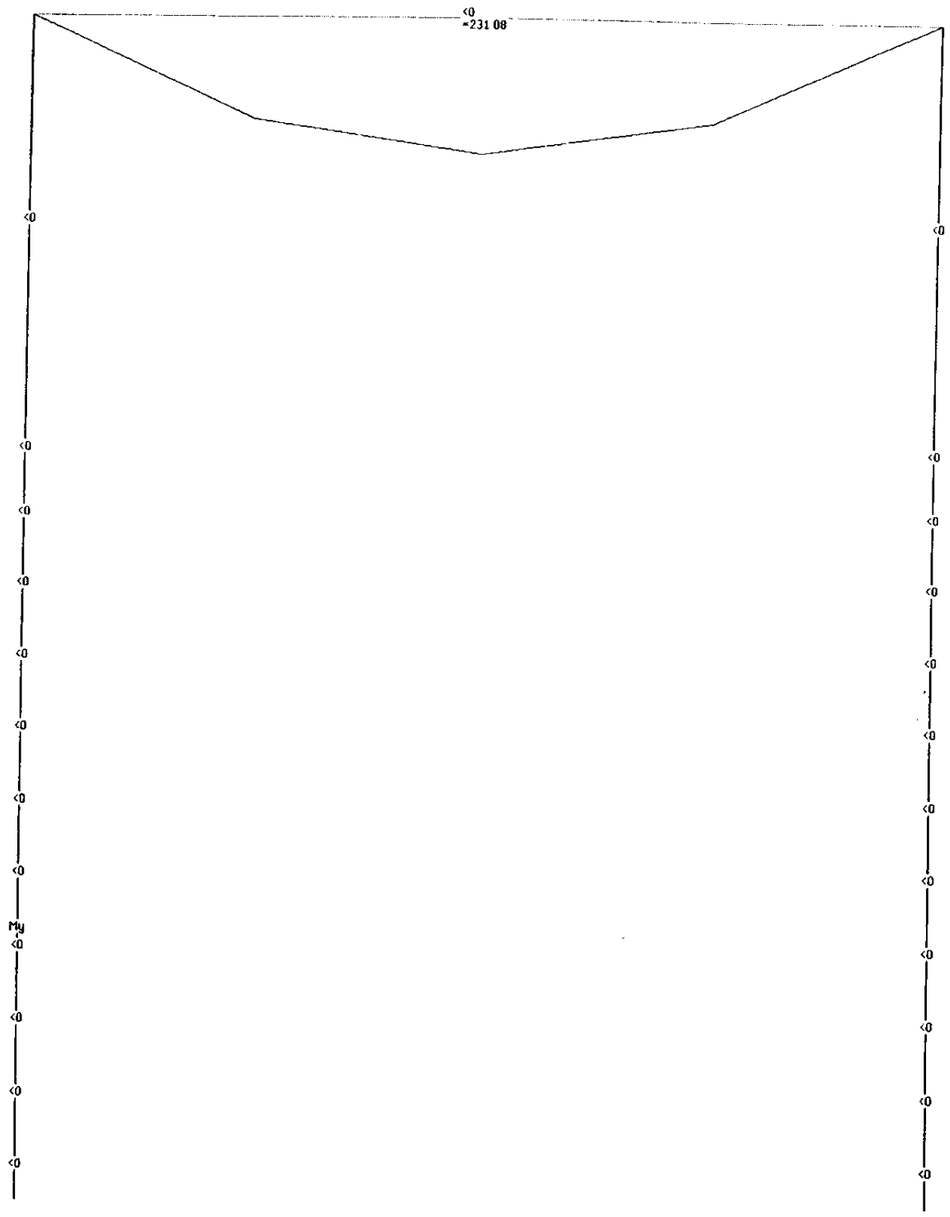
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
26	0	-475.405	0	0
26	0.310	-479.963	0	0
26	0.620	-484.522	0	0
26	0.930	-489.080	0	0
26	1.240	-493.639	0	0
27	0	-475.405	0	0
27	0.310	-479.963	0	0
27	0.620	-484.522	0	0
27	0.930	-489.080	0	0
27	1.240	-493.639	0	0
28	0	-457.170	0	0
28	0.310	-461.729	0	0
28	0.620	-466.288	0	0
28	0.930	-470.846	0	0
28	1.240	-475.405	0	0
29	0	-457.170	0	0
29	0.310	-461.729	0	0
29	0.620	-466.288	0	0
29	0.930	-470.846	0	0
29	1.240	-475.405	0	0
30	0	-438.936	0	0
30	0.310	-443.495	0	0
30	0.620	-448.053	0	0
30	0.930	-452.612	0	0
30	1.240	-457.170	0	0
31	0	-438.936	0	0
31	0.310	-443.495	0	0
31	0.620	-448.053	0	0
31	0.930	-452.612	0	0
31	1.240	-457.170	0	0
32	0	-420.702	0	0
32	0.310	-425.261	0	0
32	0.620	-429.819	0	0
32	0.930	-434.378	0	0
32	1.240	-438.936	0	0
33	0	-420.702	0	0
33	0.310	-425.261	0	0
33	0.620	-429.819	0	0
33	0.930	-434.378	0	0
33	1.240	-438.936	0	0
34	0	-402.468	0	0
34	0.310	-407.026	0	0
34	0.620	-411.585	0	0
34	0.930	-416.144	0	0

ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
34	1.240	-420.702	0	0
35	0	-402.468	0	0
35	0.310	-407.026	0	0
35	0.620	-411.585	0	0
35	0.930	-416.143	0	0
35	1.240	-420.702	0	0
36	0	-384.234	0	0
36	0.310	-388.792	0	0
36	0.620	-393.351	0	0
36	0.930	-397.909	0	0
36	1.240	-402.468	0	0
37	0	-384.234	0	0
37	0.310	-388.792	0	0
37	0.620	-393.351	0	0
37	0.930	-397.909	0	0
37	1.240	-402.468	0	0
38	0	-365.999	0	0
38	0.310	-370.558	0	0
38	0.620	-375.117	0	0
38	0.930	-379.675	0	0
38	1.240	-384.234	0	0
39	0	-365.999	0	0
39	0.310	-370.558	0	0
39	0.620	-375.117	0	0
39	0.930	-379.675	0	0
39	1.240	-384.234	0	0
40	0	-347.765	0	0
40	0.310	-352.324	0	0
40	0.620	-356.882	0	0
40	0.930	-361.441	0	0
40	1.240	-365.999	0	0
41	0	-347.765	0	0
41	0.310	-352.324	0	0
41	0.620	-356.882	0	0
41	0.930	-361.441	0	0
41	1.240	-365.999	0	0

Escala 1 : 102.5
Section force, Hipótesi 1 (Peso propio. art.), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 1.00E-02
  min: 0.00E+00 max: 2.31E+02 [kNm]
- Text Moment My [kNm]



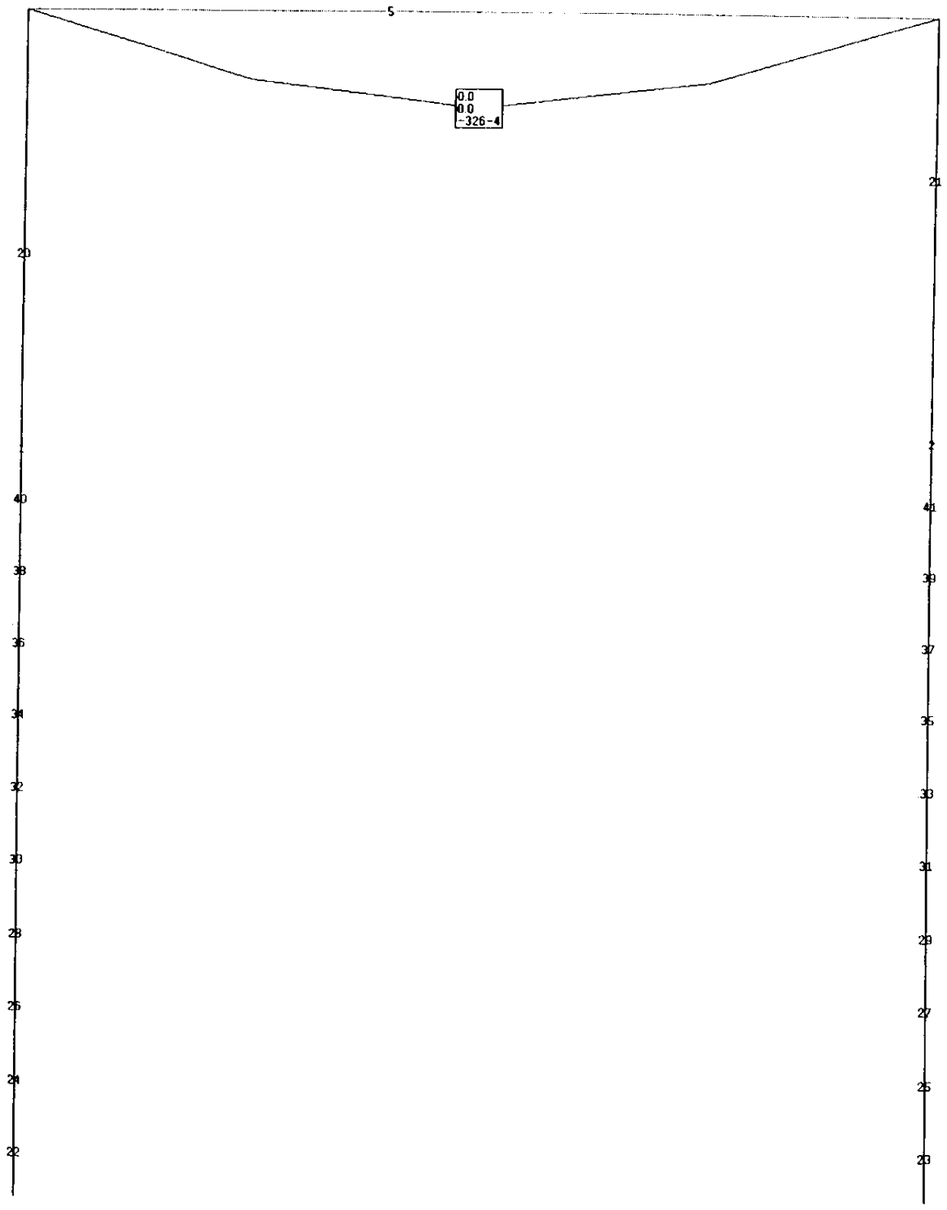
BELASTUNG: 'Peso losa. art.'

Lastfall	Faktor	Bauzustd.	Vorv.	Titel
15	1.0000	5		Peso losa. articulada.

==========

Escala 1 : 102.4

Deformed structure, Hipótesi 15 (Peso losa. art.), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 5.0E1
- V-Max , Text: Vx,Vy,Vz [M]



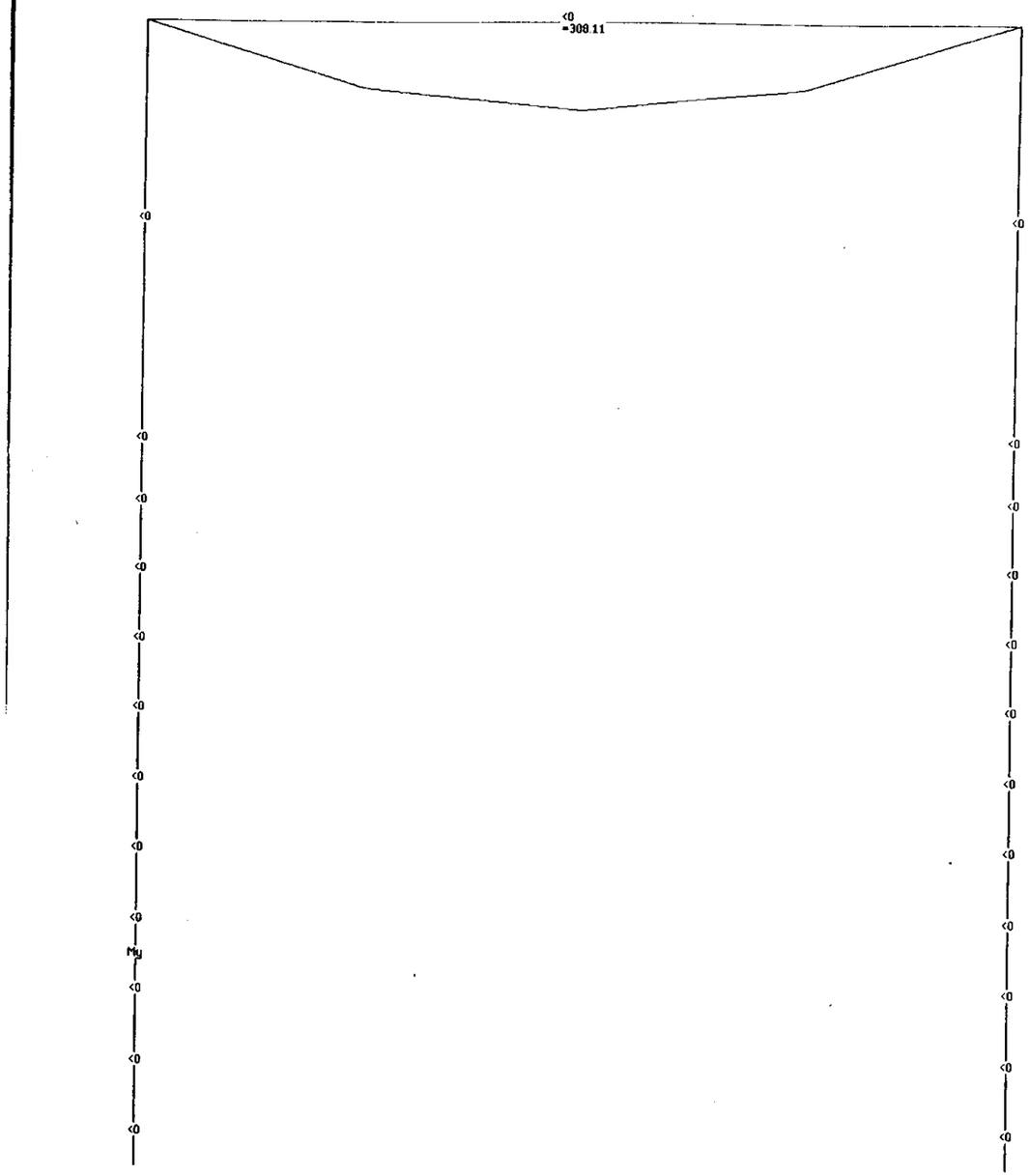
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
1	0	-78.500	0	0
1	1.000	-78.500	0	0
2	0	-78.500	0	0
2	1.000	-78.500	0	0
5	0	0	78.500	1.23E-05
5	3.925	0	39.250	231.084
5	7.850	0	-1.07E-14	308.112
5	11.775	0	-39.250	231.084
5	15.700	0	-78.500	1.23E-05
20	0	-78.500	0	0
20	6.900	-78.500	0	0
21	0	-78.500	0	0
21	6.900	-78.500	0	0
22	0	-78.500	0	0
22	1.240	-78.500	0	0
23	0	-78.500	0	0
23	1.240	-78.500	0	0
24	0	-78.500	0	0
24	1.240	-78.500	0	0
25	0	-78.500	0	0
25	1.240	-78.500	0	0
26	0	-78.500	0	0
26	1.240	-78.500	0	0
27	0	-78.500	0	0
27	1.240	-78.500	0	0
28	0	-78.500	0	0
28	1.240	-78.500	0	0
29	0	-78.500	0	0
29	1.240	-78.500	0	0
30	0	-78.500	0	0
30	1.240	-78.500	0	0
31	0	-78.500	0	0
31	1.240	-78.500	0	0
32	0	-78.500	0	0
32	1.240	-78.500	0	0
33	0	-78.500	0	0
33	1.240	-78.500	0	0

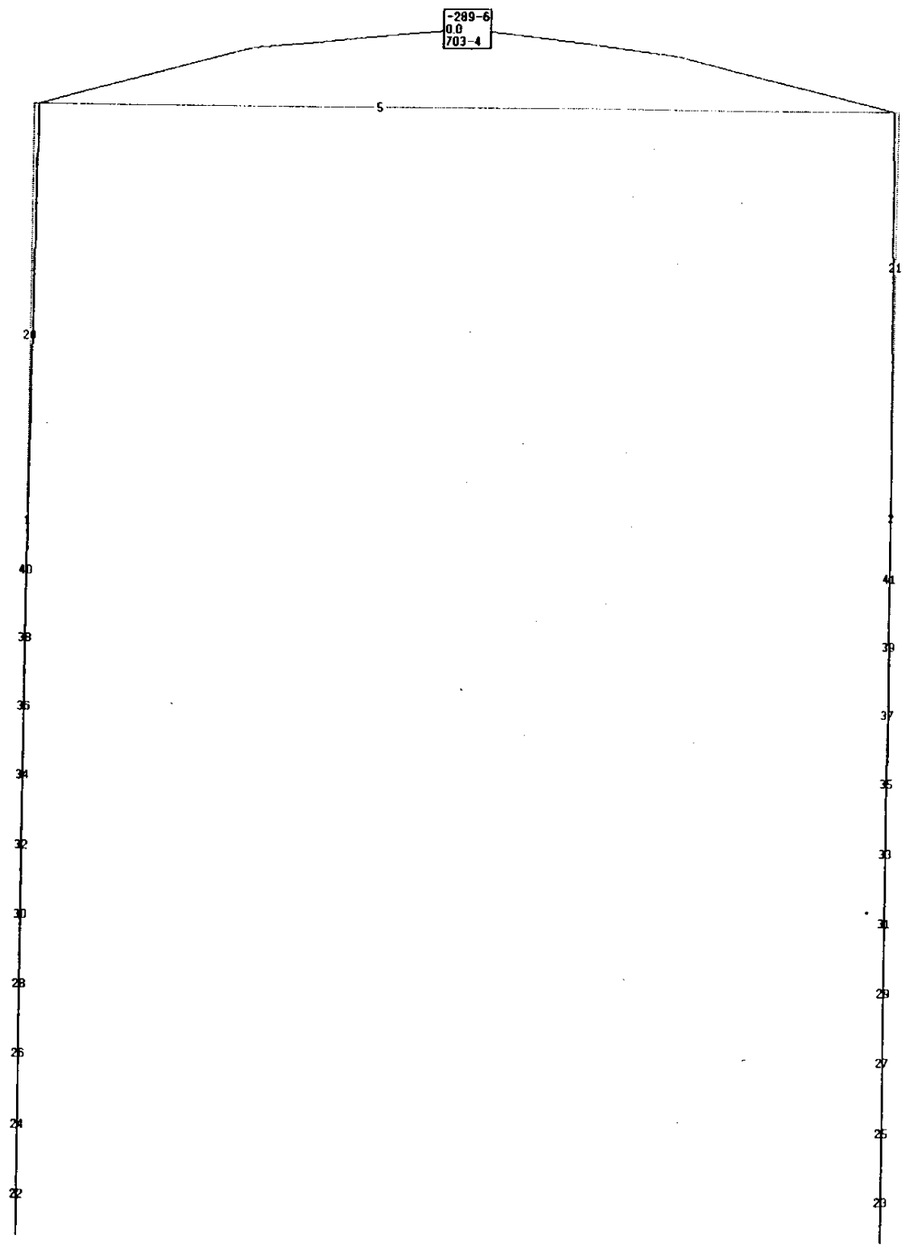
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
34	0	-78.500	0	0
34	1.240	-78.500	0	0
35	0	-78.500	0	0
35	1.240	-78.500	0	0
36	0	-78.500	0	0
36	1.240	-78.500	0	0
37	0	-78.500	0	0
37	1.240	-78.500	0	0
38	0	-78.500	0	0
38	1.240	-78.500	0	0
39	0	-78.500	0	0
39	1.240	-78.500	0	0
40	0	-78.500	0	0
40	1.240	-78.500	0	0
41	0	-78.500	0	0
41	1.240	-78.500	0	0

Escala 1 : 102.5
Section force, Hipótesi 15 (Peso losa. art.), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 5.00E-03
  min: 0.00E+00 max: 3.08E+02 [kNm]
- Text Moment My [kNm]


<0
=308.11
<0
<0

Escala 1 : 107.3
Deformed structure, Hipótesi 14 (Pretensado. art.), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 2.0E1
- V-Max , Text: Vx,Vy,Vz [M]



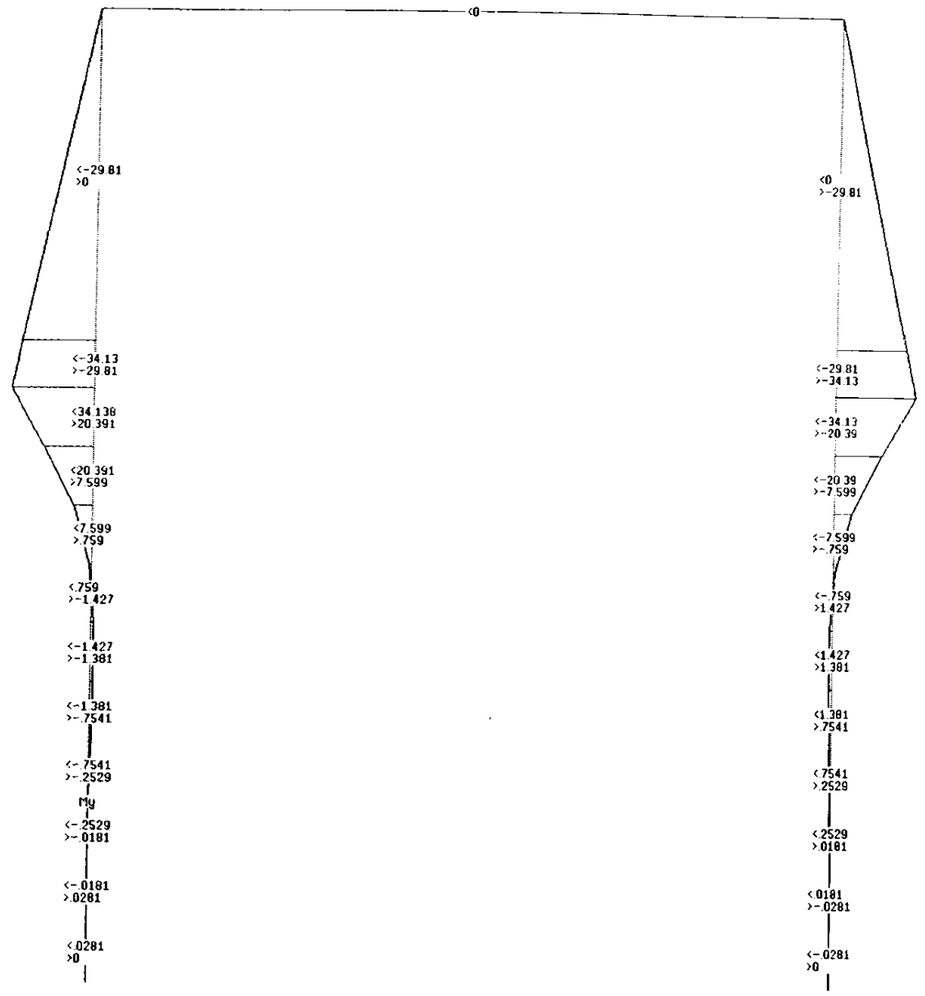
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
1	0	0	4.321	-34.138
1	1.000	0	4.321	-29.816
2	0	4.66E-15	-4.321	-29.816
2	1.000	4.66E-15	-4.321	-34.138
5	0	4.321	-9.33E-15	-5.05E-14
5	3.925	4.321	-9.33E-15	-8.72E-14
5	7.850	4.321	-9.33E-15	-1.24E-13
5	11.775	4.321	-9.33E-15	-1.60E-13
5	15.700	4.321	-9.33E-15	-1.97E-13
20	0	0	4.321	-29.816
20	6.900	0	4.321	-2.98E-07
21	0	-1.66E-15	-4.321	-2.98E-07
21	6.900	-1.66E-15	-4.321	-29.816
22	0	0	-0.022701	0.028149
22	1.240	0	-0.022701	2.81E-10
23	0	4.66E-15	0.022701	-0.028149
23	1.240	4.66E-15	0.022701	-2.81E-10
24	0	0	0.037319	-0.018126
24	1.240	0	0.037319	0.028149
25	0	4.66E-15	-0.037319	0.018126
25	1.240	4.66E-15	-0.037319	-0.028149
26	0	0	0.189365	-0.252939
26	1.240	0	0.189365	-0.018126
27	0	4.66E-15	-0.189365	0.252939
27	1.240	4.66E-15	-0.189365	0.018126
28	0	0	0.404155	-0.754091
28	1.240	0	0.404155	-0.252939
29	0	4.66E-15	-0.404155	0.754091
29	1.240	4.66E-15	-0.404155	0.252939
30	0	0	0.505961	-1.381
30	1.240	0	0.505961	-0.754091
31	0	4.66E-15	-0.505961	1.381
31	1.240	4.66E-15	-0.505961	0.754091
32	0	0	0.036670	-1.427
32	1.240	0	0.036670	-1.381
33	0	4.66E-15	-0.036670	1.427
33	1.240	4.66E-15	-0.036670	1.381

ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
34	0	0	-1.763	0.759011
34	1.240	0	-1.763	-1.427
35	0	4.66E-15	1.763	-0.759011
35	1.240	4.66E-15	1.763	1.427
36	0	0	-5.516	7.599
36	1.240	0	-5.516	0.759011
37	0	4.66E-15	5.516	-7.599
37	1.240	4.66E-15	5.516	-0.759011
38	0	0	-10.316	20.391
38	1.240	0	-10.316	7.599
39	0	4.66E-15	10.316	-20.391
39	1.240	4.66E-15	10.316	-7.599
40	0	0	-11.086	34.138
40	1.240	0	-11.086	20.391
41	0	4.66E-15	11.086	-34.138
41	1.240	4.66E-15	11.086	-20.391

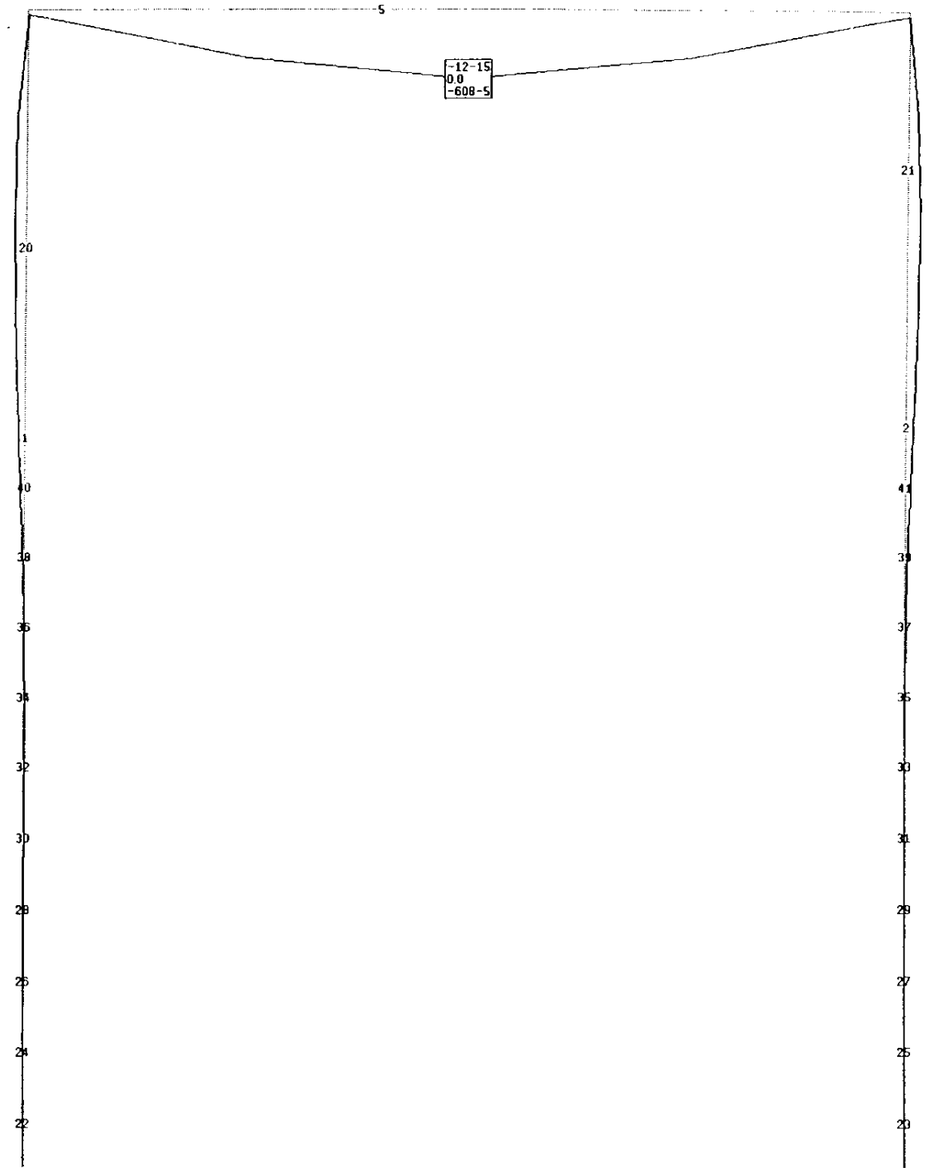
Escala 1 : 124.6
Section force, Hipótesi 14 (Pretensado. art.), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 5.00E-02
  min: -3.41E+01 max: 3.41E+01 [kNm]
- Text Moment My [kNm]



BELASTUNG: 'Peso propio. emp.'

Lastfall	Faktor	Bauzustd.	Vorv.	Titel
16	1.0000	6		Peso prop. losa+viga.emp.

Escala 1 : 105.0
Deformed structure, Hipótesi 16 (Peso propio. emp.), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 2.0E2
- V-Max , Text: Vx,Vy,Vz [M]



ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
1	0	-426.265	-32.389	-7.207
1	0.250	-411.265	-32.389	-15.305
1	0.500	-396.265	-32.389	-23.402
1	0.750	-381.265	-32.389	-31.499
1	1.000	-366.265	-32.389	-39.596
2	0	-366.265	32.389	-39.596
2	0.250	-381.265	32.389	-31.499
2	0.500	-396.265	32.389	-23.402
2	0.750	-411.265	32.389	-15.305
2	1.000	-426.265	32.389	-7.207
5	0	-32.389	137.375	-263.079
5	3.925	-32.389	68.687	141.318
5	7.850	-32.389	-1.15E-11	276.117
5	11.775	-32.389	-68.688	141.318
5	15.700	-32.389	-137.375	-263.079
20	0	-366.265	-32.389	-39.596
20	1.725	-300.210	-32.389	-95.467
20	3.450	-240.043	-32.389	-151.338
20	5.175	-185.764	-32.389	-207.209
20	6.900	-137.375	-32.389	-263.079
21	0	-137.375	32.389	-263.079
21	1.725	-185.764	32.389	-207.209
21	3.450	-240.043	32.389	-151.338
21	5.175	-300.210	32.389	-95.467
21	6.900	-366.265	32.389	-39.596
22	0	-590.373	-0.039368	0.048816
22	0.310	-594.932	-0.039368	0.036612
22	0.620	-599.490	-0.039368	0.024408
22	0.930	-604.049	-0.039368	0.012204
22	1.240	-608.607	-0.039368	4.88E-10
23	0	-590.373	0.039368	-0.048816
23	0.310	-594.932	0.039368	-0.036612
23	0.620	-599.490	0.039368	-0.024408
23	0.930	-604.049	0.039368	-0.012204
23	1.240	-608.607	0.039368	-4.88E-10
24	0	-572.139	-0.089934	0.160334
24	0.310	-576.697	-0.089934	0.132455
24	0.620	-581.256	-0.089934	0.104575
24	0.930	-585.814	-0.089934	0.076695
24	1.240	-590.373	-0.089934	0.048816
25	0	-572.139	0.089934	-0.160334
25	0.310	-576.697	0.089934	-0.132455
25	0.620	-581.256	0.089934	-0.104575
25	0.930	-585.815	0.089934	-0.076695
25	1.240	-590.373	0.089934	-0.048816

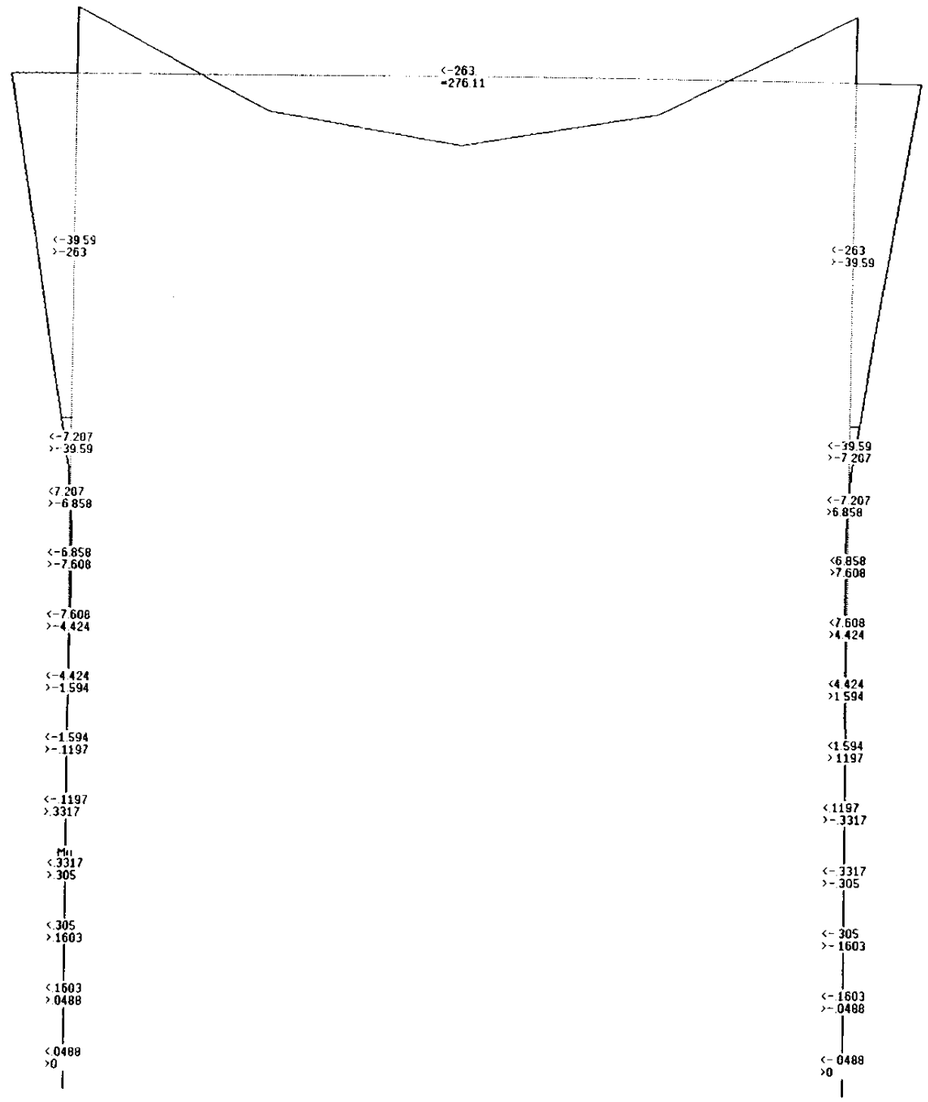
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
26	0	-553.905	-0.116673	0.305009
26	0.310	-558.463	-0.116673	0.268840
26	0.620	-563.022	-0.116673	0.232671
26	0.930	-567.580	-0.116673	0.196503
26	1.240	-572.139	-0.116673	0.160334
27	0	-553.905	0.116673	-0.305009
27	0.310	-558.463	0.116673	-0.268840
27	0.620	-563.022	0.116673	-0.232671
27	0.930	-567.580	0.116673	-0.196503
27	1.240	-572.139	0.116673	-0.160334
28	0	-535.670	-0.021557	0.331739
28	0.310	-540.229	-0.021557	0.325056
28	0.620	-544.788	-0.021557	0.318374
28	0.930	-549.346	-0.021557	0.311691
28	1.240	-553.905	-0.021557	0.305009
29	0	-535.670	0.021557	-0.331739
29	0.310	-540.229	0.021557	-0.325056
29	0.620	-544.788	0.021557	-0.318374
29	0.930	-549.346	0.021557	-0.311691
29	1.240	-553.905	0.021557	-0.305009
30	0	-517.436	0.364060	-0.119696
30	0.310	-521.995	0.364060	-0.006837
30	0.620	-526.553	0.364060	0.106022
30	0.930	-531.112	0.364060	0.218880
30	1.240	-535.670	0.364060	0.331739
31	0	-517.436	-0.364060	0.119696
31	0.310	-521.995	-0.364060	0.006837
31	0.620	-526.553	-0.364060	-0.106022
31	0.930	-531.112	-0.364060	-0.218880
31	1.240	-535.670	-0.364060	-0.331739
32	0	-499.202	1.189	-1.594
32	0.310	-503.761	1.189	-1.226
32	0.620	-508.319	1.189	-0.856963
32	0.930	-512.878	1.189	-0.488329
32	1.240	-517.436	1.189	-0.119696
33	0	-499.202	-1.189	1.594
33	0.310	-503.761	-1.189	1.226
33	0.620	-508.319	-1.189	0.856963
33	0.930	-512.878	-1.189	0.488329
33	1.240	-517.436	-1.189	0.119696
34	0	-480.968	2.282	-4.424
34	0.310	-485.526	2.282	-3.717
34	0.620	-490.085	2.282	-3.009
34	0.930	-494.643	2.282	-2.302

ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
34	1.240	-499.202	2.282	-1.594
35	0	-480.968	-2.282	4.424
35	0.310	-485.526	-2.282	3.717
35	0.620	-490.085	-2.282	3.009
35	0.930	-494.644	-2.282	2.302
35	1.240	-499.202	-2.282	1.594
36	0	-462.734	2.567	-7.608
36	0.310	-467.292	2.567	-6.812
36	0.620	-471.851	2.567	-6.016
36	0.930	-476.409	2.567	-5.220
36	1.240	-480.968	2.567	-4.424
37	0	-462.734	-2.567	7.608
37	0.310	-467.292	-2.567	6.812
37	0.620	-471.851	-2.567	6.016
37	0.930	-476.409	-2.567	5.220
37	1.240	-480.968	-2.567	4.424
38	0	-444.499	-0.604677	-6.858
38	0.310	-449.058	-0.604677	-7.045
38	0.620	-453.617	-0.604677	-7.233
38	0.930	-458.175	-0.604677	-7.420
38	1.240	-462.734	-0.604677	-7.608
39	0	-444.499	0.604677	6.858
39	0.310	-449.058	0.604677	7.045
39	0.620	-453.617	0.604677	7.233
39	0.930	-458.175	0.604677	7.420
39	1.240	-462.734	0.604677	7.608
40	0	-426.265	-11.343	7.207
40	0.310	-430.824	-11.343	3.691
40	0.620	-435.382	-11.343	0.174708
40	0.930	-439.941	-11.343	-3.342
40	1.240	-444.499	-11.343	-6.858
41	0	-426.265	11.343	-7.207
41	0.310	-430.824	11.343	-3.691
41	0.620	-435.382	11.343	-0.174708
41	0.930	-439.941	11.343	3.342
41	1.240	-444.499	11.343	6.858

Escala 1 : 119.5
Section force, Hipótesi 16 (Peso propio. emp.), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 5.00E-03
  min: -2.63E+02 max: 2.76E+02 [kNm]
- Text Moment My [kNm]

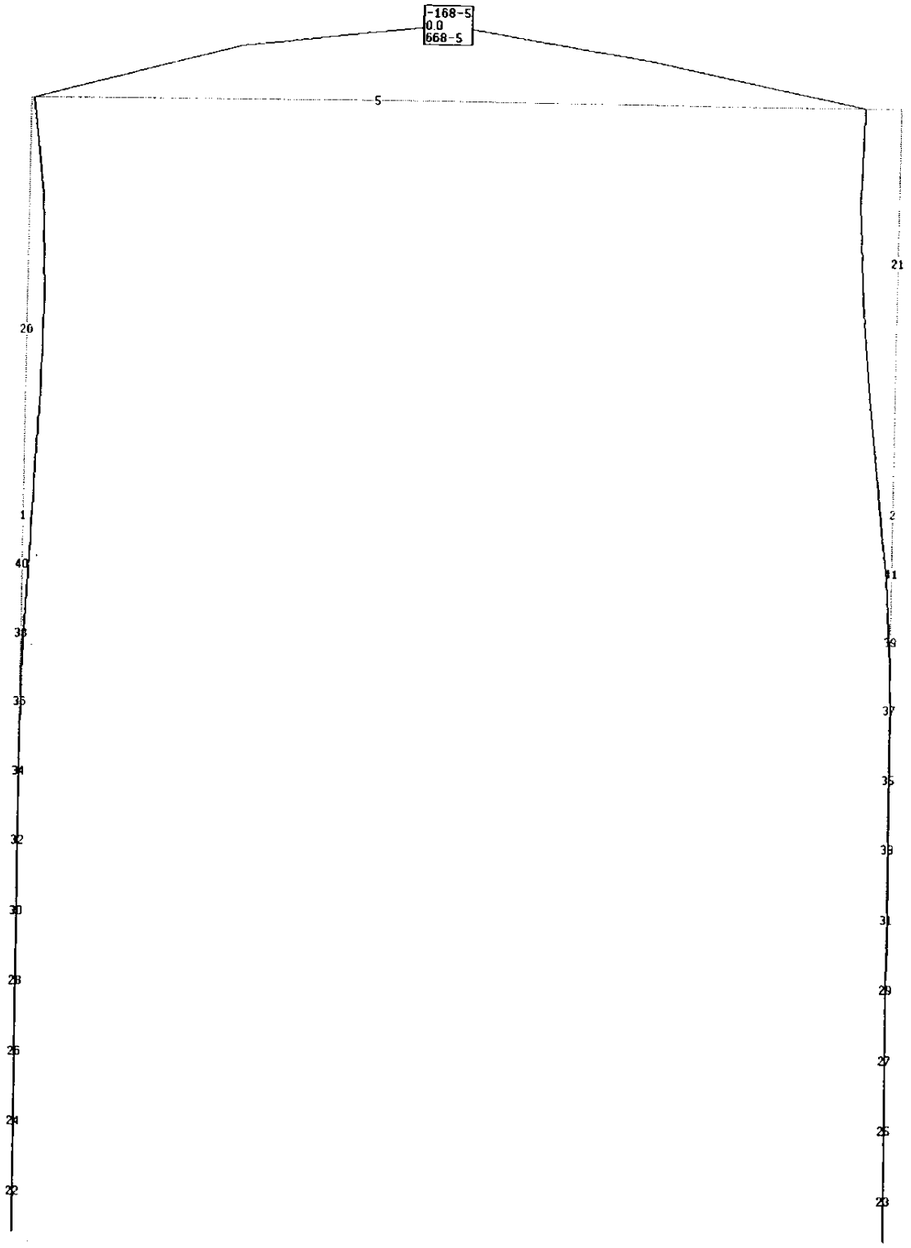


BELASTUNG: 'Pretensado.emp.'

Lastfall	Faktor	Bauzustd.	Vorv.	Titel
29Z	1.0000	6		Pretensado. empotrado.

(Z = Sólo parte hiperestático del pretensado)

Escala 1 : 106.9
Deformed structure, Hipótesi 29 (Pretensado.emp.), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 2.0E2
- V-Max , Text: Vx,Vy,Vz [M]



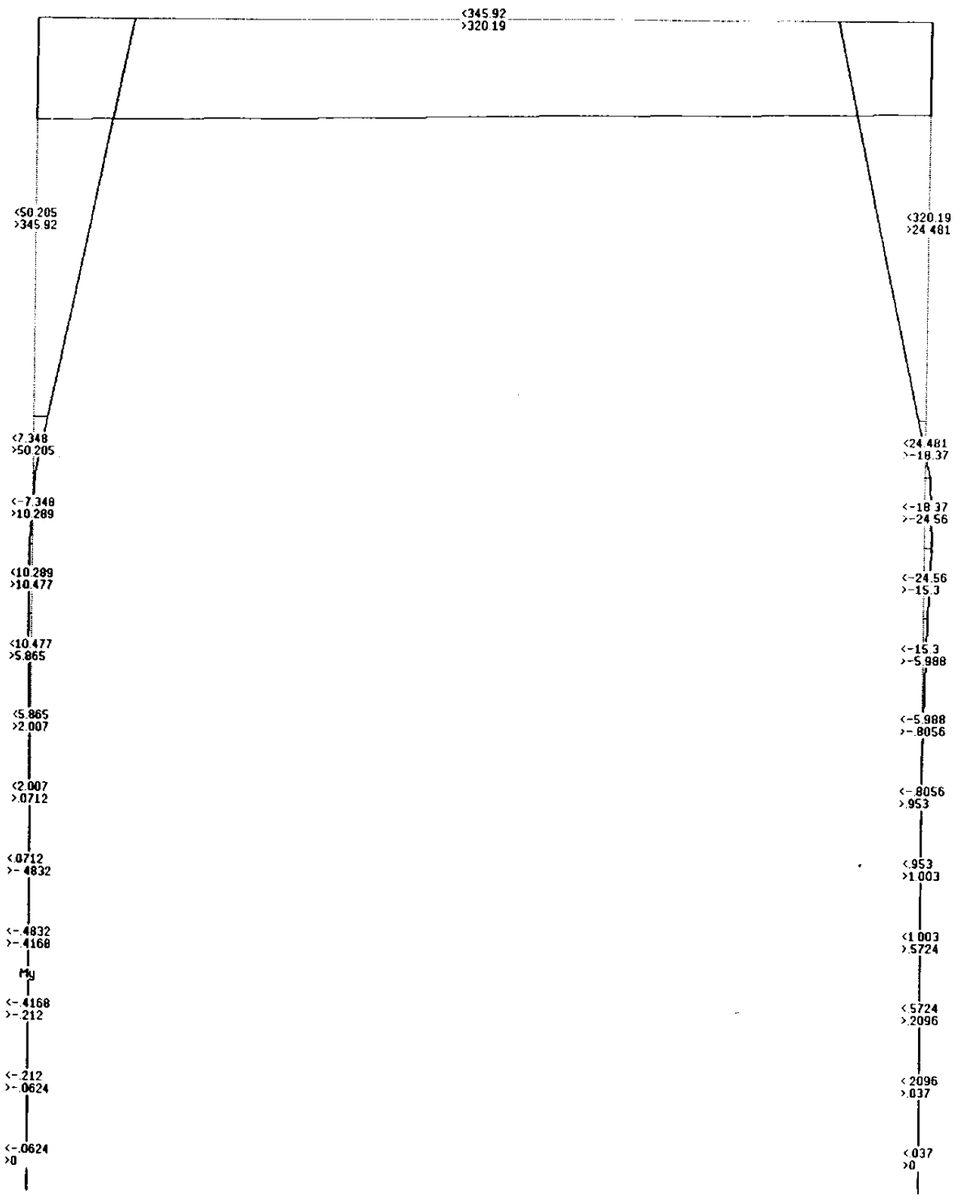
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
1	0	1.638	42.857	7.348
1	1.000	1.638	42.857	50.205
2	0	-1.638	-42.857	24.481
2	1.000	-1.638	-42.857	-18.376
5	0	42.857	-1.638	345.920
5	3.925	42.857	-1.638	339.489
5	7.850	42.857	-1.638	333.058
5	11.775	42.857	-1.638	326.627
5	15.700	42.857	-1.638	320.196
20	0	1.638	42.857	50.205
20	6.900	1.638	42.857	345.920
21	0	-1.638	-42.857	320.196
21	6.900	-1.638	-42.857	24.481
22	0	1.638	0.050348	-0.062432
22	1.240	1.638	0.050348	-6.24E-10
23	0	-1.638	-0.029861	0.037028
23	1.240	-1.638	-0.029861	3.70E-10
24	0	1.638	0.120581	-0.211952
24	1.240	1.638	0.120581	-0.062432
25	0	-1.638	-0.139138	0.209559
25	1.240	-1.638	-0.139138	0.037028
26	0	1.638	0.165222	-0.416827
26	1.240	1.638	0.165222	-0.211952
27	0	-1.638	-0.292598	0.572381
27	1.240	-1.638	-0.292598	0.209559
28	0	1.638	0.053550	-0.483229
28	1.240	1.638	0.053550	-0.416827
29	0	-1.638	-0.347645	1.003
29	1.240	-1.638	-0.347645	0.572381
30	0	1.638	-0.447145	0.071230
30	1.240	1.638	-0.447145	-0.483229
31	0	-1.638	0.040730	0.952956
31	1.240	-1.638	0.040730	1.003
32	0	1.638	-1.561	2.007
32	1.240	1.638	-1.561	0.071230
33	0	-1.638	1.418	-0.805552
33	1.240	-1.638	1.418	0.952956

ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
34	0	1.638	-3.111	5.865
34	1.240	1.638	-3.111	2.007
35	0	-1.638	4.180	-5.988
35	1.240	-1.638	4.180	-0.805552
36	0	1.638	-3.720	10.477
36	1.240	1.638	-3.720	5.865
37	0	-1.638	7.512	-15.303
37	1.240	-1.638	7.512	-5.988
38	0	1.638	0.151703	10.289
38	1.240	1.638	0.151703	10.477
39	0	-1.638	7.468	-24.563
39	1.240	-1.638	7.468	-15.303
40	0	1.638	14.223	-7.348
40	1.240	1.638	14.223	10.289
41	0	-1.638	-4.990	-18.376
41	1.240	-1.638	-4.990	-24.563

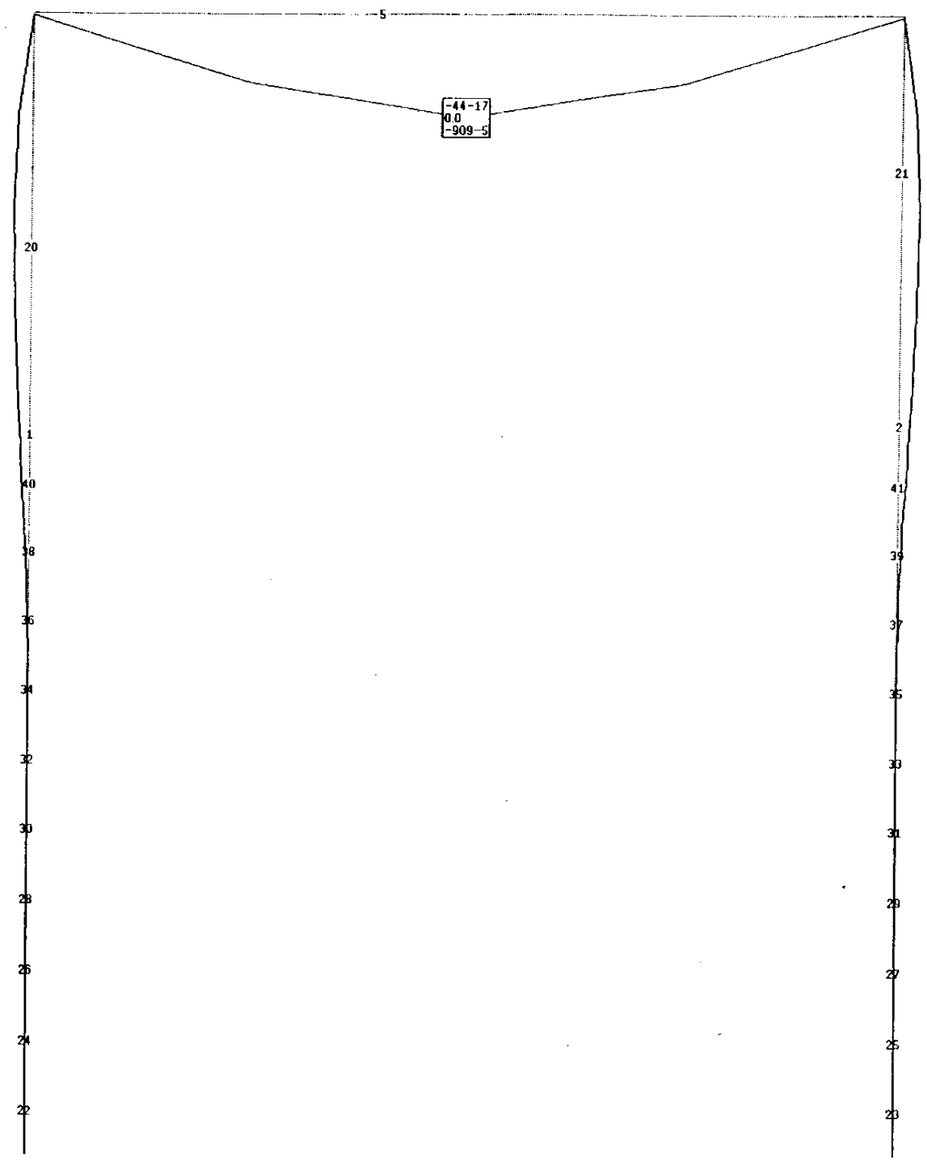
Escala 1 : 103.5
Section force, Hipótesi 29 (Pretensado.emp.), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 5.00E-03
  min: -2.46E+01 max: 3.46E+02 [kNm]
- Text Moment My [kNm]



BELASTUNG: 'Carga muerta. emp.'

Lastfall	Faktor	Bauzustd.	Vorv.	Titel
17	1.0000	6		Carga muerta. empotrada.

Escala 1 : 106.5
Deformed structure, Hipótesi 17 (Carga muerta. emp.), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 2.0E2
- V-Max , Text: Vx,Vy,Vz [N]



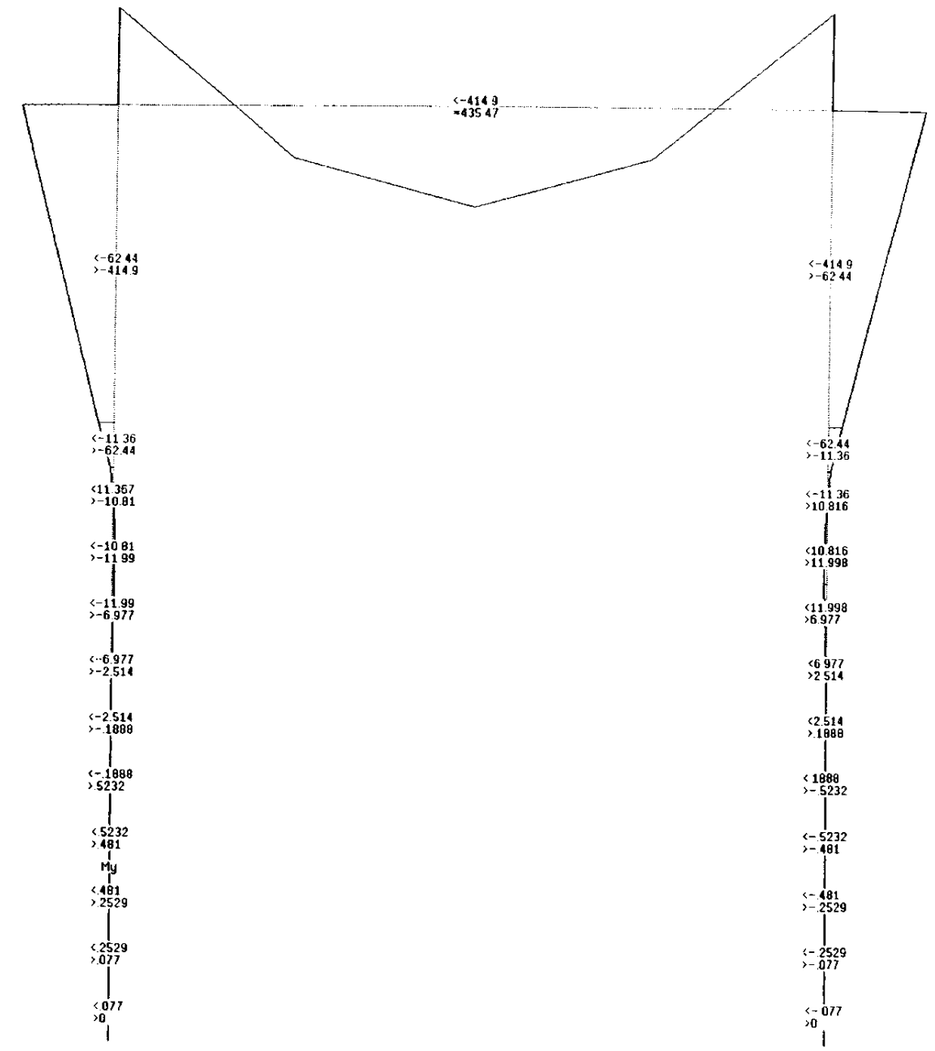
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
1	0	-216.660	-51.082	-11.367
1	1.000	-216.660	-51.082	-62.449
2	0	-216.660	51.082	-62.449
2	1.000	-216.660	51.082	-11.367
5	0	-51.082	216.660	-414.914
5	3.925	-51.082	108.330	222.879
5	7.850	-51.082	9.62E-13	435.477
5	11.775	-51.082	-108.330	222.879
5	15.700	-51.082	-216.660	-414.914
20	0	-216.660	-51.082	-62.449
20	6.900	-216.660	-51.082	-414.914
21	0	-216.660	51.082	-414.914
21	6.900	-216.660	51.082	-62.449
22	0	-216.660	-0.062088	0.076990
22	1.240	-216.660	-0.062088	7.70E-10
23	0	-216.660	0.062088	-0.076990
23	1.240	-216.660	0.062088	-7.70E-10
24	0	-216.660	-0.141839	0.252870
24	1.240	-216.660	-0.141839	0.076990
25	0	-216.660	0.141839	-0.252870
25	1.240	-216.660	0.141839	-0.076990
26	0	-216.660	-0.184010	0.481042
26	1.240	-216.660	-0.184010	0.252870
27	0	-216.660	0.184010	-0.481042
27	1.240	-216.660	0.184010	-0.252870
28	0	-216.660	-0.033998	0.523200
28	1.240	-216.660	-0.033998	0.481042
29	0	-216.660	0.033998	-0.523200
29	1.240	-216.660	0.033998	-0.481042
30	0	-216.660	0.574175	-0.188777
30	1.240	-216.660	0.574175	0.523200
31	0	-216.660	-0.574175	0.188777
31	1.240	-216.660	-0.574175	-0.523200
32	0	-216.660	1.875	-2.514
32	1.240	-216.660	1.875	-0.188777
33	0	-216.660	-1.875	2.514
33	1.240	-216.660	-1.875	0.188777

ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
34	0	-216.660	3.599	-6.977
34	1.240	-216.660	3.599	-2.514
35	0	-216.660	-3.599	6.977
35	1.240	-216.660	-3.599	2.514
36	0	-216.660	4.049	-11.998
36	1.240	-216.660	4.049	-6.977
37	0	-216.660	-4.049	11.998
37	1.240	-216.660	-4.049	6.977
38	0	-216.660	-0.953662	-10.816
38	1.240	-216.660	-0.953662	-11.998
39	0	-216.660	0.953662	10.816
39	1.240	-216.660	0.953662	11.998
40	0	-216.660	-17.889	11.367
40	1.240	-216.660	-17.889	-10.816
41	0	-216.660	17.889	-11.367
41	1.240	-216.660	17.889	10.816

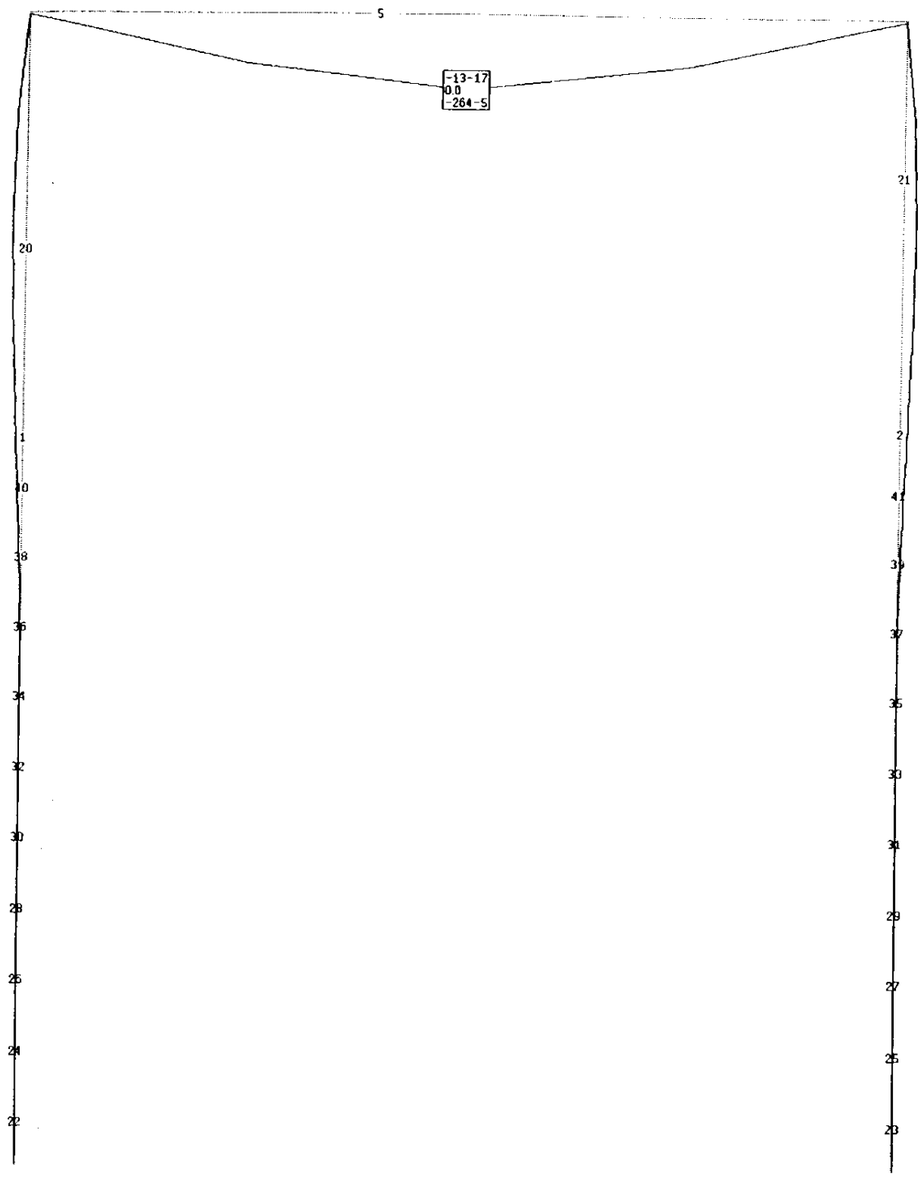
Escala 1 : 129.4
Section force, Hipótesi 17 (Carga muerta. emp.), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 5.00E-03
  min: -4.15E+02 max: 4.35E+02 [kNm]
- Text Moment My [kNm]



BELASTUNG: 'SC uniforme. emp.'

Lastfall	Faktor	Bauzustd.	Vorv.	Titel
18	1.0000	6		SC uniforme. empotrada.

Escala 1 : 105.4
Deformed structure, Hipótesi 18 (SC uniforme. emp.), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 5.0E2
- V-Max , Text: Vx,Vy,Vz [M]



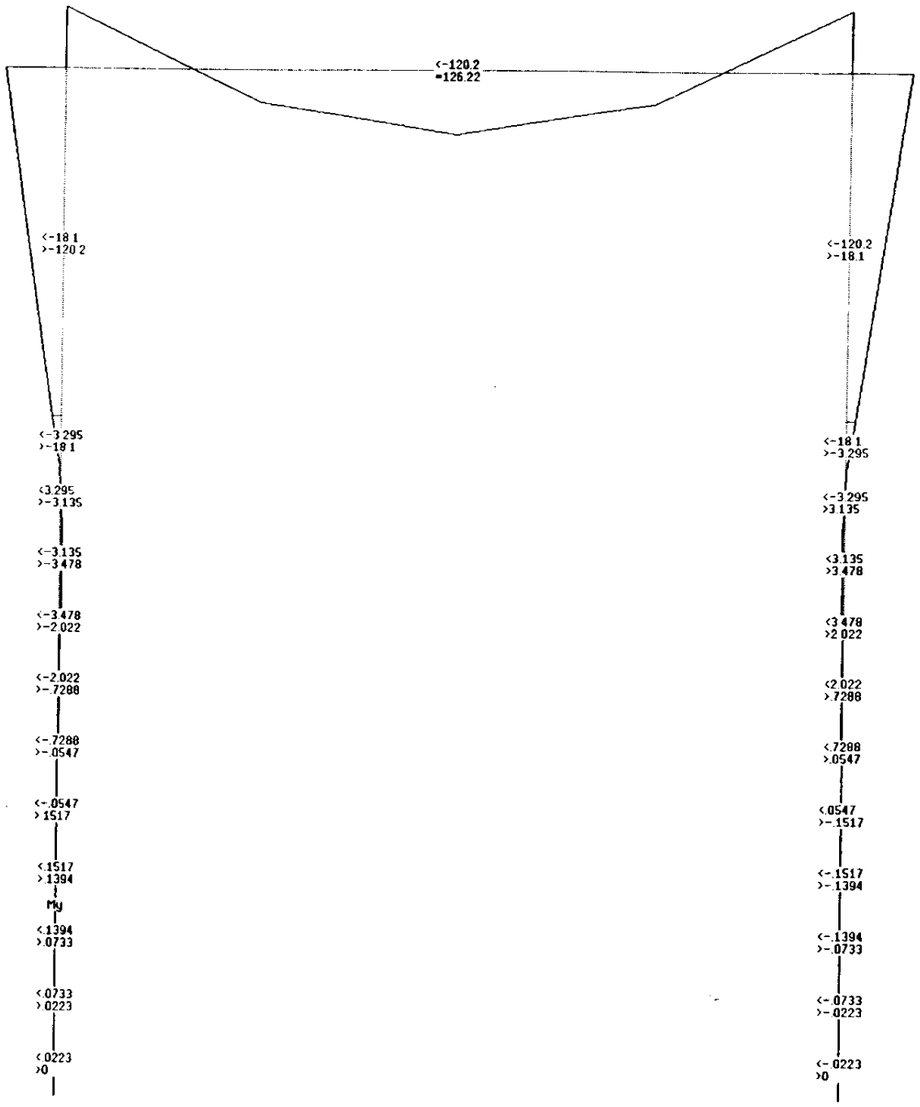
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
1	0	-62.800	-14.806	-3.295
1	1.000	-62.800	-14.806	-18.101
2	0	-62.800	14.806	-18.101
2	1.000	-62.800	14.806	-3.295
5	0	-14.806	62.800	-120.265
5	3.925	-14.806	31.400	64.603
5	7.850	-14.806	2.98E-13	126.225
5	11.775	-14.806	-31.400	64.603
5	15.700	-14.806	-62.800	-120.265
20	0	-62.800	-14.806	-18.101
20	6.900	-62.800	-14.806	-120.265
21	0	-62.800	14.806	-120.265
21	6.900	-62.800	14.806	-18.101
22	0	-62.800	-0.017997	0.022316
22	1.240	-62.800	-0.017997	2.23E-10
23	0	-62.800	0.017997	-0.022316
23	1.240	-62.800	0.017997	-2.23E-10
24	0	-62.800	-0.041113	0.073296
24	1.240	-62.800	-0.041113	0.022316
25	0	-62.800	0.041113	-0.073296
25	1.240	-62.800	0.041113	-0.022316
26	0	-62.800	-0.053336	0.139432
26	1.240	-62.800	-0.053336	0.073296
27	0	-62.800	0.053336	-0.139432
27	1.240	-62.800	0.053336	-0.073296
28	0	-62.800	-0.009855	0.151652
28	1.240	-62.800	-0.009855	0.139432
29	0	-62.800	0.009855	-0.151652
29	1.240	-62.800	0.009855	-0.139432
30	0	-62.800	0.166428	-0.054718
30	1.240	-62.800	0.166428	0.151652
31	0	-62.800	-0.166428	0.054718
31	1.240	-62.800	-0.166428	-0.151652
32	0	-62.800	0.543607	-0.728791
32	1.240	-62.800	0.543607	-0.054718
33	0	-62.800	-0.543607	0.728791
33	1.240	-62.800	-0.543607	0.054718

ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
34	0	-62.800	1.043	-2.022
34	1.240	-62.800	1.043	-0.728791
35	0	-62.800	-1.043	2.022
35	1.240	-62.800	-1.043	0.728791
36	0	-62.800	1.174	-3.478
36	1.240	-62.800	1.174	-2.022
37	0	-62.800	-1.174	3.478
37	1.240	-62.800	-1.174	2.022
38	0	-62.800	-0.276424	-3.135
38	1.240	-62.800	-0.276424	-3.478
39	0	-62.800	0.276424	3.135
39	1.240	-62.800	0.276424	3.478
40	0	-62.800	-5.185	3.295
40	1.240	-62.800	-5.185	-3.135
41	0	-62.800	5.185	-3.295
41	1.240	-62.800	5.185	3.135

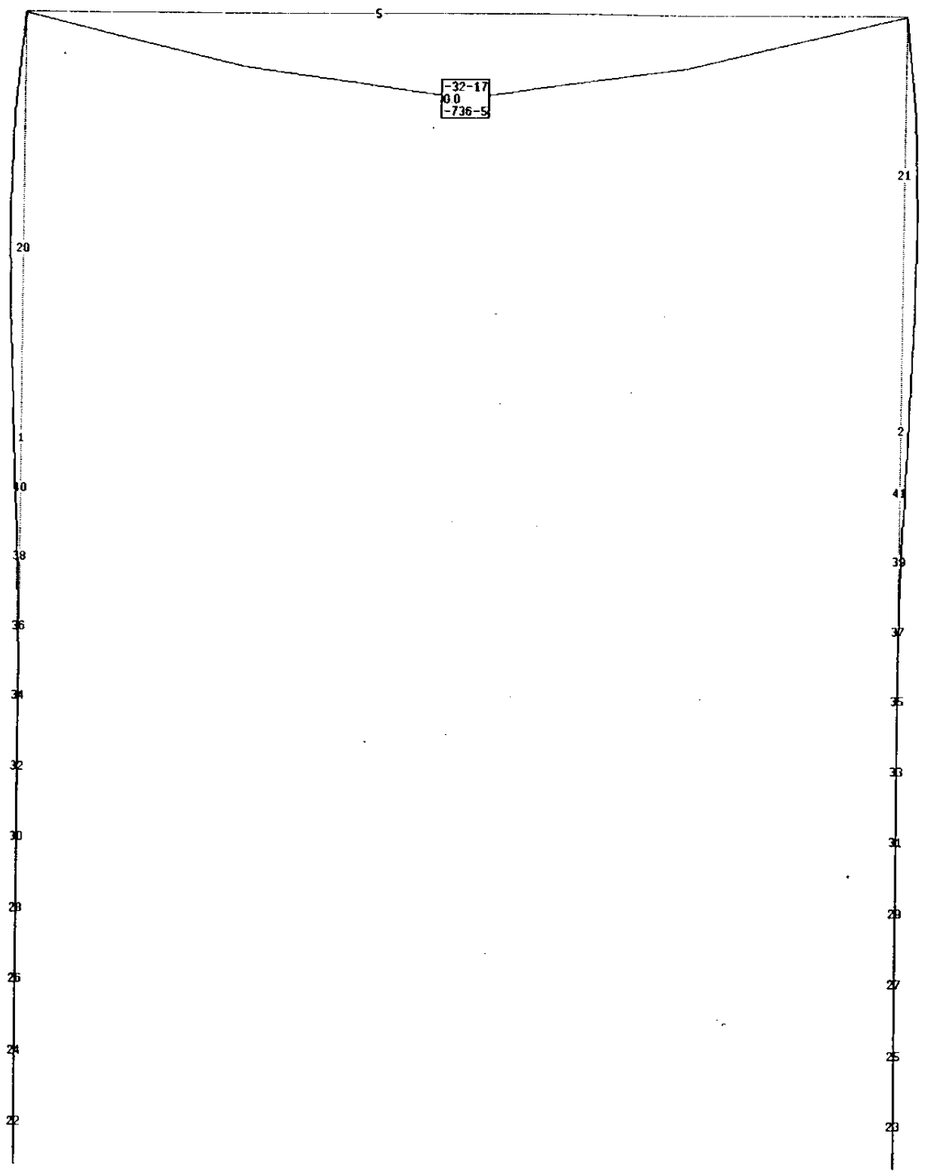
Escala 1 : 118.0
Section force, Hipótesi 18 (SC uniforme. emp.), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 1.00E-02
  min: -1.20E+02 max: 1.26E+02 [kNm]
- Text Moment My [kNm]



BELASTUNG: 'SC carro.emp.'

Lastfall	Faktor	Bauzustd.	Vorv.	Titel
19	1.0000	6		SC carro. empotrada.

Escala 1 : 105.3
Deformed structure, Hipótesi 19 (SC carro.emp.), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 2.0E2
- V-Max , Text: Vx,Vy,Vz [M]



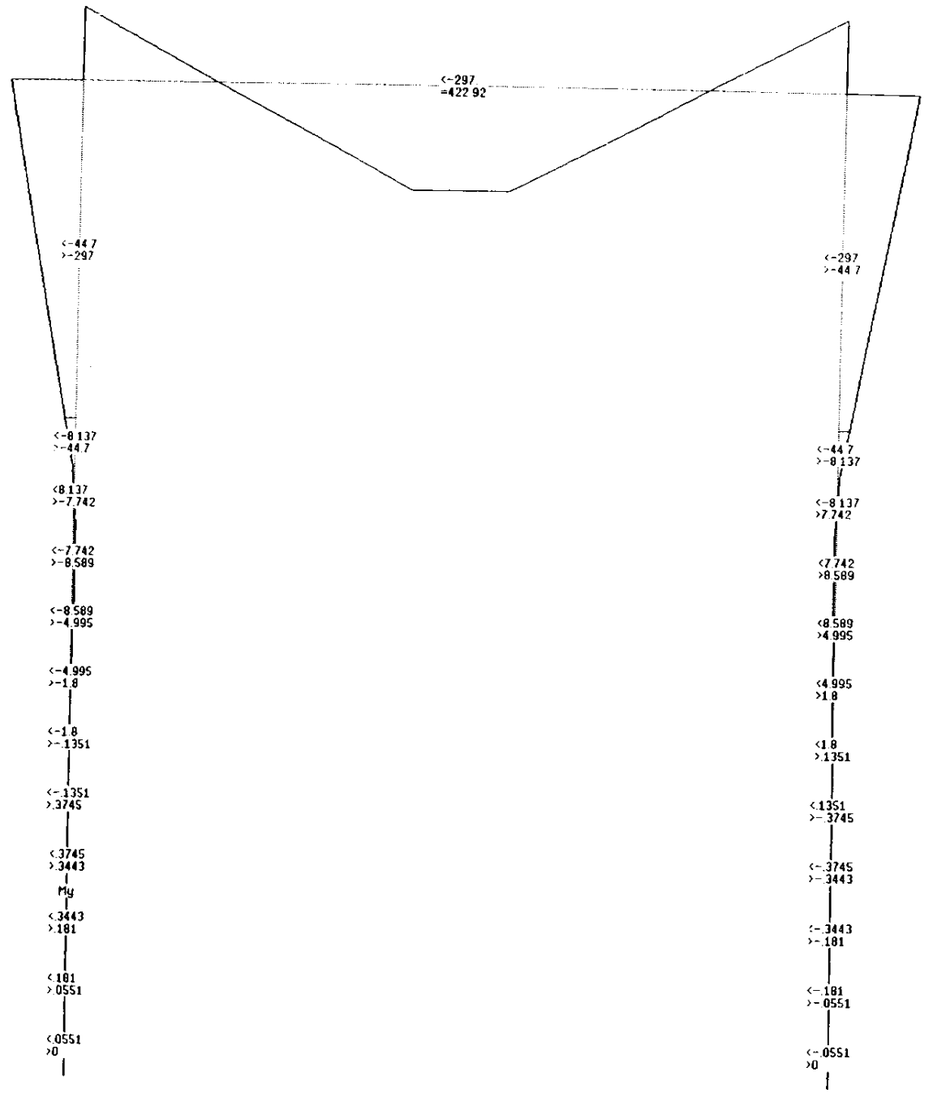
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
1	0	-105.100	-36.566	-8.137
1	1.000	-105.100	-36.566	-44.703
2	0	-105.100	36.566	-44.703
2	1.000	-105.100	36.566	-8.137
5	0	-36.566	105.100	-297.008
5	6.848	-36.566	105.100	422.762
5	6.852	-36.566	7.11E-13	422.927
5	8.848	-36.566	7.11E-13	422.927
5	8.852	-36.566	-105.100	422.762
5	15.700	-36.566	-105.100	-297.008
20	0	-105.100	-36.566	-44.703
20	6.900	-105.100	-36.566	-297.008
21	0	-105.100	36.566	-297.008
21	6.900	-105.100	36.566	-44.703
22	0	-105.100	-0.044445	0.055111
22	1.240	-105.100	-0.044445	5.51E-10
23	0	-105.100	0.044445	-0.055111
23	1.240	-105.100	0.044445	-5.51E-10
24	0	-105.100	-0.101533	0.181012
24	1.240	-105.100	-0.101533	0.055111
25	0	-105.100	0.101533	-0.181012
25	1.240	-105.100	0.101533	-0.055111
26	0	-105.100	-0.131720	0.344344
26	1.240	-105.100	-0.131720	0.181012
27	0	-105.100	0.131720	-0.344344
27	1.240	-105.100	0.131720	-0.181012
28	0	-105.100	-0.024337	0.374522
28	1.240	-105.100	-0.024337	0.344344
29	0	-105.100	0.024337	-0.374522
29	1.240	-105.100	0.024337	-0.344344
30	0	-105.100	0.411012	-0.135132
30	1.240	-105.100	0.411012	0.374522
31	0	-105.100	-0.411012	0.135132
31	1.240	-105.100	-0.411012	-0.374522
32	0	-105.100	1.342	-1.800
32	1.240	-105.100	1.342	-0.135132
33	0	-105.100	-1.342	1.800

ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
33	1.240	-105.100	-1.342	0.135132
34	0	-105.100	2.576	-4.995
34	1.240	-105.100	2.576	-1.800
35	0	-105.100	-2.576	4.995
35	1.240	-105.100	-2.576	1.800
36	0	-105.100	2.899	-8.589
36	1.240	-105.100	2.899	-4.995
37	0	-105.100	-2.899	8.589
37	1.240	-105.100	-2.899	4.995
38	0	-105.100	-0.682660	-7.742
38	1.240	-105.100	-0.682660	-8.589
39	0	-105.100	0.682660	7.742
39	1.240	-105.100	0.682660	8.589
40	0	-105.100	-12.806	8.137
40	1.240	-105.100	-12.806	-7.742
41	0	-105.100	12.806	-8.137
41	1.240	-105.100	12.806	7.742

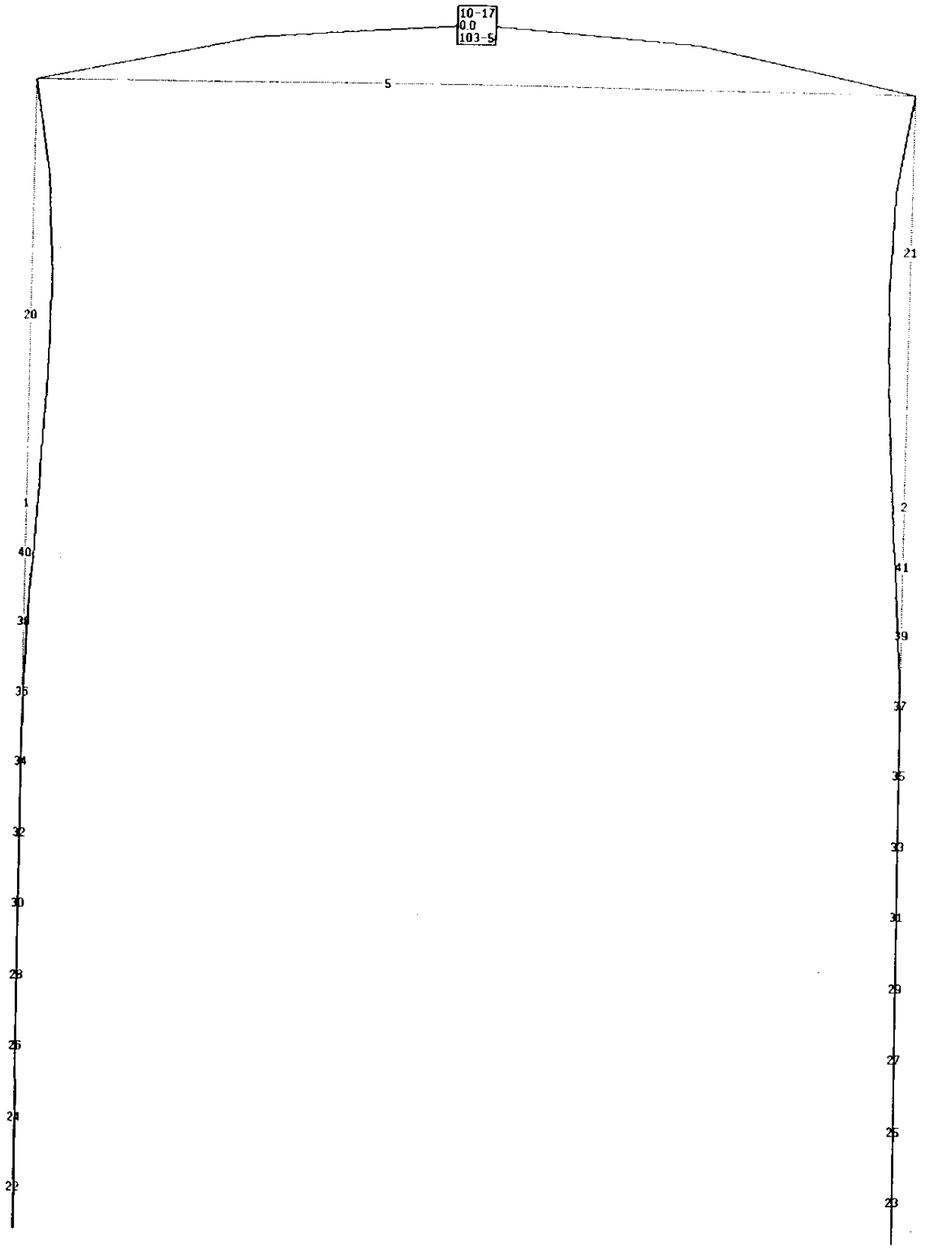
Escala 1 : 121.7
Section force, Hipótesi 19 (SC carro.emp.), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 5.00E-03
  min: -2.97E+02 max: 4.23E+02 [kNm]
- Text Moment My [kNm]



BELASTUNG: 'Gradiente térmico. emp.'

Lastfall	Faktor	Bauzustd.	Vorv.	Titel
20	1.0000	6		Gradiente térmico. empotrada.

Escala 1 : 105.4
Deformed structure, Hipótesi 20 (Gradiente térmico. emp.), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 1.0E3
- V-Max , Text: Vx,Vy,Vz [M]



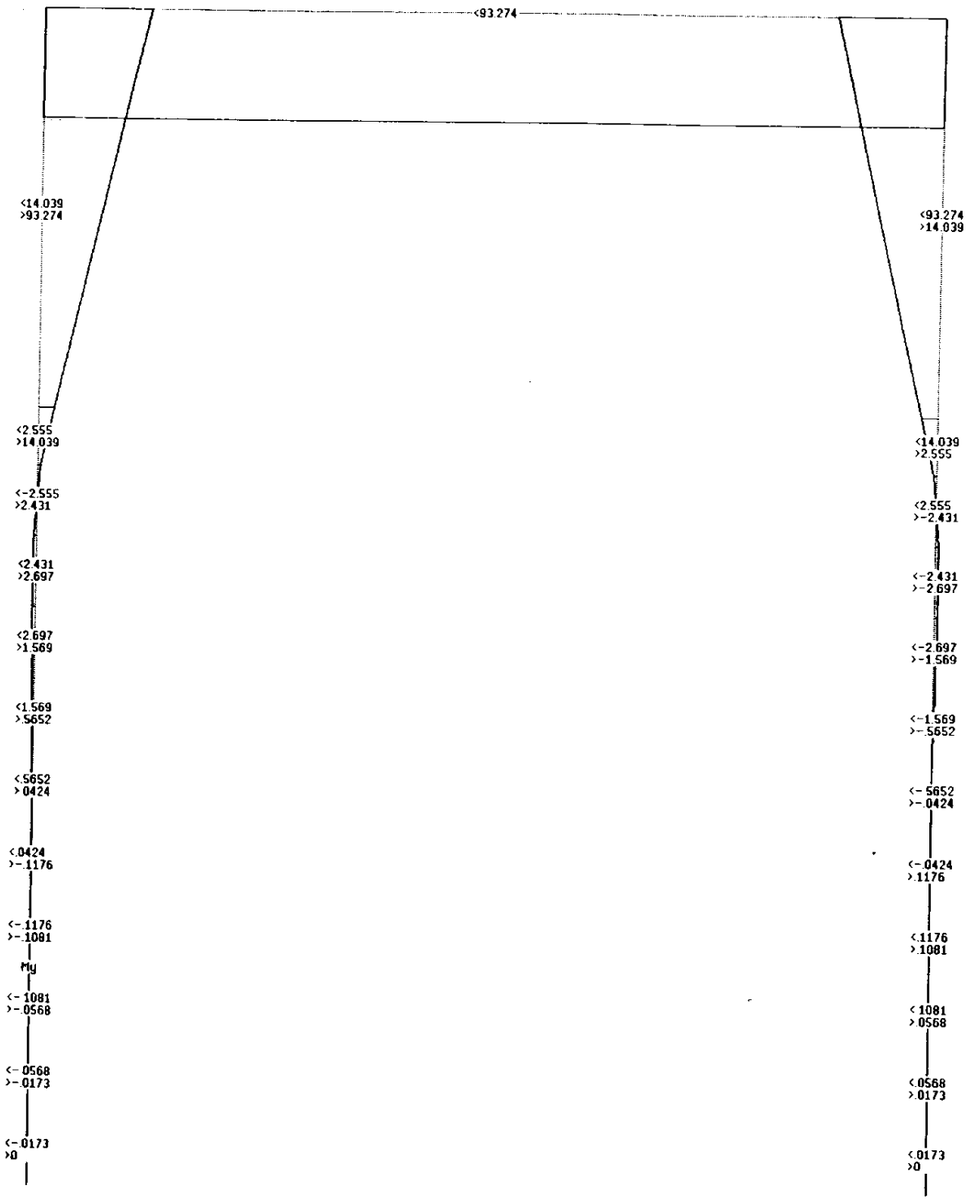
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
1	0	2.20E-13	11.483	2.555
1	1.000	2.20E-13	11.483	14.039
2	0	-2.20E-13	-11.483	14.039
2	1.000	-2.20E-13	-11.483	2.555
5	0	11.483	-2.20E-13	93.274
5	15.700	11.483	-2.20E-13	93.274
20	0	2.20E-13	11.483	14.039
20	6.900	2.20E-13	11.483	93.274
21	0	-2.19E-13	-11.483	93.274
21	6.900	-2.19E-13	-11.483	14.039
22	0	2.20E-13	0.013958	-0.017307
22	1.240	2.20E-13	0.013958	-1.73E-10
23	0	-2.20E-13	-0.013958	0.017307
23	1.240	-2.20E-13	-0.013958	1.73E-10
24	0	2.20E-13	0.031886	-0.056846
24	1.240	2.20E-13	0.031886	-0.017307
25	0	-2.20E-13	-0.031886	0.056846
25	1.240	-2.20E-13	-0.031886	0.017307
26	0	2.20E-13	0.041366	-0.108139
26	1.240	2.20E-13	0.041366	-0.056846
27	0	-2.20E-13	-0.041366	0.108139
27	1.240	-2.20E-13	-0.041366	0.056846
28	0	2.20E-13	0.007643	-0.117616
28	1.240	2.20E-13	0.007643	-0.108139
29	0	-2.20E-13	-0.007643	0.117616
29	1.240	-2.20E-13	-0.007643	0.108139
30	0	2.20E-13	-0.129076	0.042437
30	1.240	2.20E-13	-0.129076	-0.117616
31	0	-2.20E-13	0.129076	-0.042437
31	1.240	-2.20E-13	0.129076	0.117616
32	0	2.20E-13	-0.421604	0.565227
32	1.240	2.20E-13	-0.421604	0.042437
33	0	-2.20E-13	0.421604	-0.565227
33	1.240	-2.20E-13	0.421604	-0.042437
34	0	2.20E-13	-0.809131	1.569
34	1.240	2.20E-13	-0.809131	0.565227

ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
35	0	-2.20E-13	0.809131	-1.569
35	1.240	-2.20E-13	0.809131	-0.565227
36	0	2.20E-13	-0.910264	2.697
36	1.240	2.20E-13	-0.910264	1.569
37	0	-2.20E-13	0.910264	-2.697
37	1.240	-2.20E-13	0.910264	-1.569
38	0	2.20E-13	0.214385	2.431
38	1.240	2.20E-13	0.214385	2.697
39	0	-2.20E-13	-0.214385	-2.431
39	1.240	-2.20E-13	-0.214385	-2.697
40	0	2.20E-13	4.022	-2.555
40	1.240	2.20E-13	4.022	2.431
41	0	-2.20E-13	-4.022	2.555
41	1.240	-2.20E-13	-4.022	-2.431

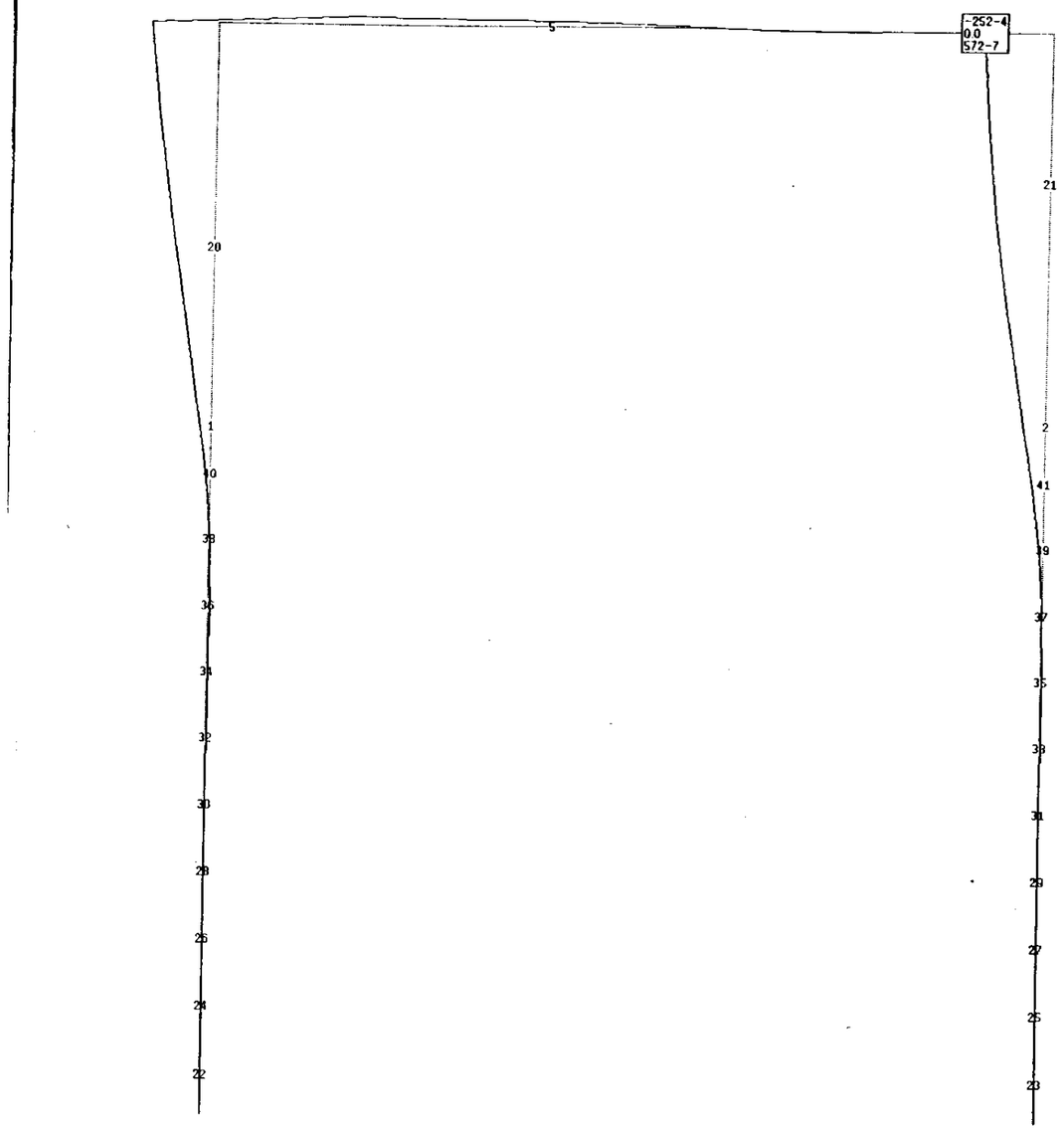
Escala 1 : 103.1
Section force, Hipótesi 20 (Gradiente térmico. emp.), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 2.00E-02
  min: -2.70E+00 max: 9.33E+01 [kNm]
- Text Moment My [kNm]



BELASTUNG: 'Empuje tierra 1 arriba. emp.'

Lastfall	Faktor	Bauzustd. Vorv.	Titel
21	1.0000	6	Empuje tierra lado1 arriba.emp

Escala 1 : 110.7
Deformed structure, Hipótesi 21 (Empuje tierra 1 arriba. emp.), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 5.0E1
- V-Max , Text: Vx,Vy,Vz [M]



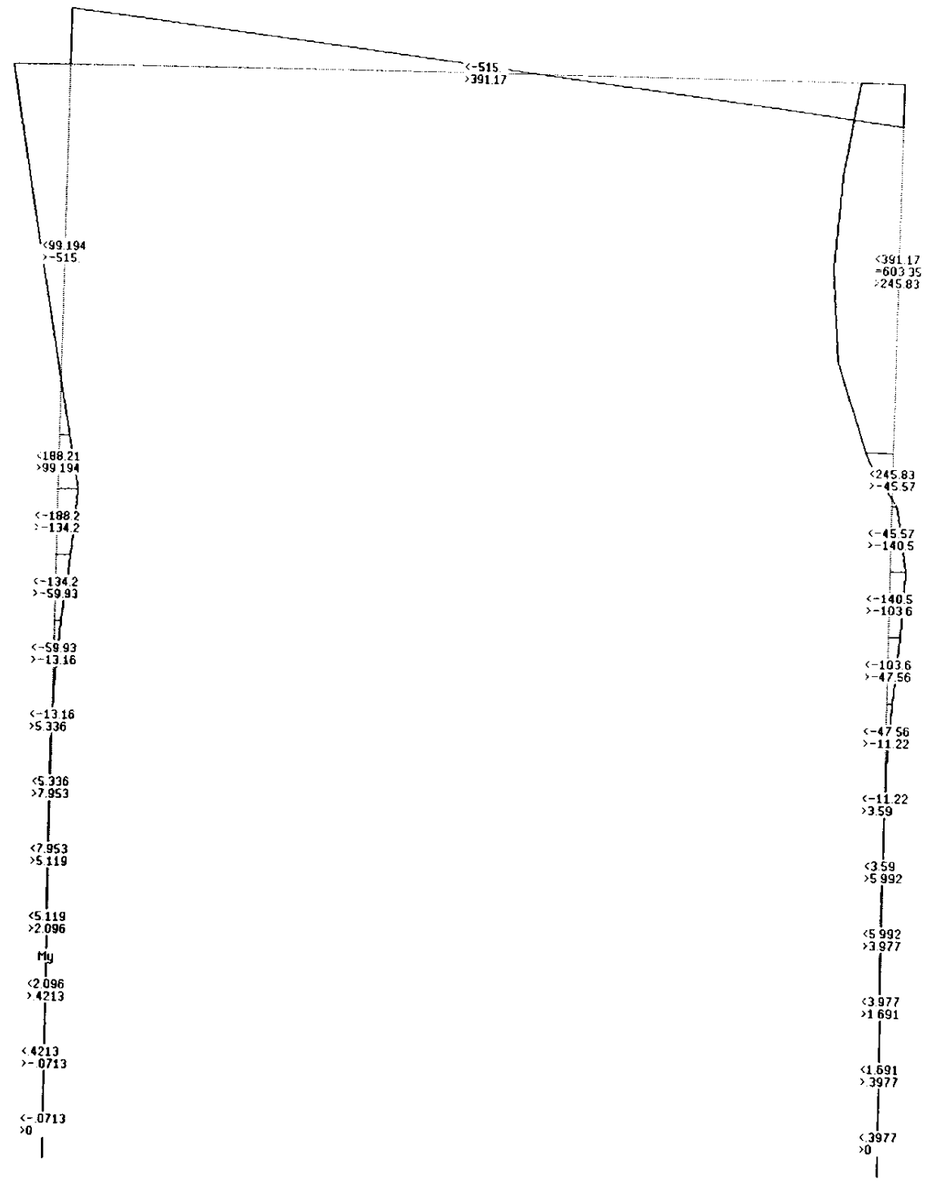
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
1	0	-57.722	-89.022	188.216
1	1.000	-57.722	-89.022	99.194
2	0	57.722	-241.235	245.839
2	0.250	57.722	-265.600	182.503
2	0.500	57.722	-290.832	112.967
2	0.750	57.722	-316.932	37.015
2	1.000	57.722	-343.898	-45.571
5	0	-89.022	57.722	-515.058
5	15.700	-89.022	57.722	391.178
20	0	-57.722	-89.022	99.194
20	6.900	-57.722	-89.022	-515.058
21	0	57.722	89.022	391.178
21	1.725	57.722	68.381	532.872
21	3.450	57.722	6.458	603.355
21	5.175	57.722	-96.747	531.415
21	6.900	57.722	-241.235	245.839
22	0	-57.722	0.057470	-0.071263
22	1.240	-57.722	0.057470	-7.13E-10
23	0	57.722	-0.320758	0.397739
23	1.240	57.722	-0.320758	3.98E-09
24	0	-57.722	-0.397253	0.421330
24	1.240	-57.722	-0.397253	-0.071263
25	0	57.722	-1.043	1.691
25	1.240	57.722	-1.043	0.397739
26	0	-57.722	-1.351	2.096
26	1.240	-57.722	-1.351	0.421330
27	0	57.722	-1.843	3.977
27	1.240	57.722	-1.843	1.691
28	0	-57.722	-2.438	5.119
28	1.240	-57.722	-2.438	2.096
29	0	57.722	-1.625	5.992
29	1.240	57.722	-1.625	3.977
30	0	-57.722	-2.286	7.953
30	1.240	-57.722	-2.286	5.119
31	0	57.722	1.937	3.590
31	1.240	57.722	1.937	5.992
32	0	-57.722	2.111	5.336
32	1.240	-57.722	2.111	7.953

ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
33	0	57.722	11.947	-11.223
33	1.240	57.722	11.947	3.590
34	0	-57.722	14.916	-13.160
34	1.240	-57.722	14.916	5.336
35	0	57.722	29.305	-47.561
35	1.240	57.722	29.305	-11.223
36	0	-57.722	37.720	-59.933
36	1.240	-57.722	37.720	-13.160
37	0	57.722	45.257	-103.681
37	1.240	57.722	45.257	-47.561
38	0	-57.722	59.959	-134.281
38	1.240	-57.722	59.959	-59.933
39	0	57.722	29.747	-140.567
39	1.240	57.722	29.747	-103.681
40	0	-57.722	43.495	-188.216
40	1.240	-57.722	43.495	-134.281
41	0	57.722	-76.610	-45.571
41	1.240	57.722	-76.610	-140.567

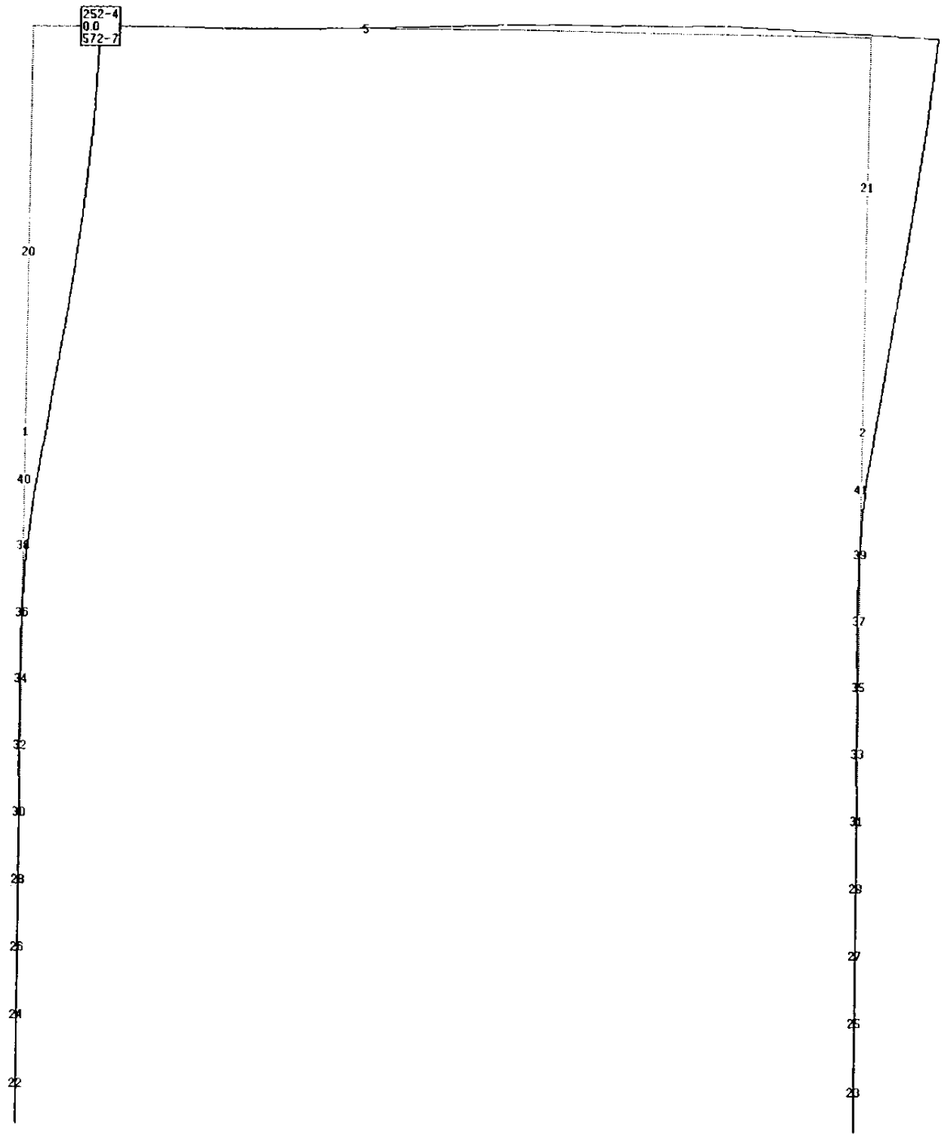
Escala 1 : 110.9
Section force, Hipótesi 21 (Empuje tierra 1 arriba. emp.), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 2.00E-03
  min: -5.15E+02 max: 6.03E+02 [kNm]
- Text Moment My [kNm]



BELASTUNG: 'Empuje tierra 2 arriba. emp.'

Lastfall	Faktor	Bauzustd. Vorv.	Titel
22	1.0000	6	Empuje tierra lado2 arriba.emp

Escala 1 : 110.7
Deformed structure, Hipótesi 22 (Empuje tierra 2 arriba. emp.), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 5.0E1
- V-Max , Text: Vx,Vy,Vz [M]



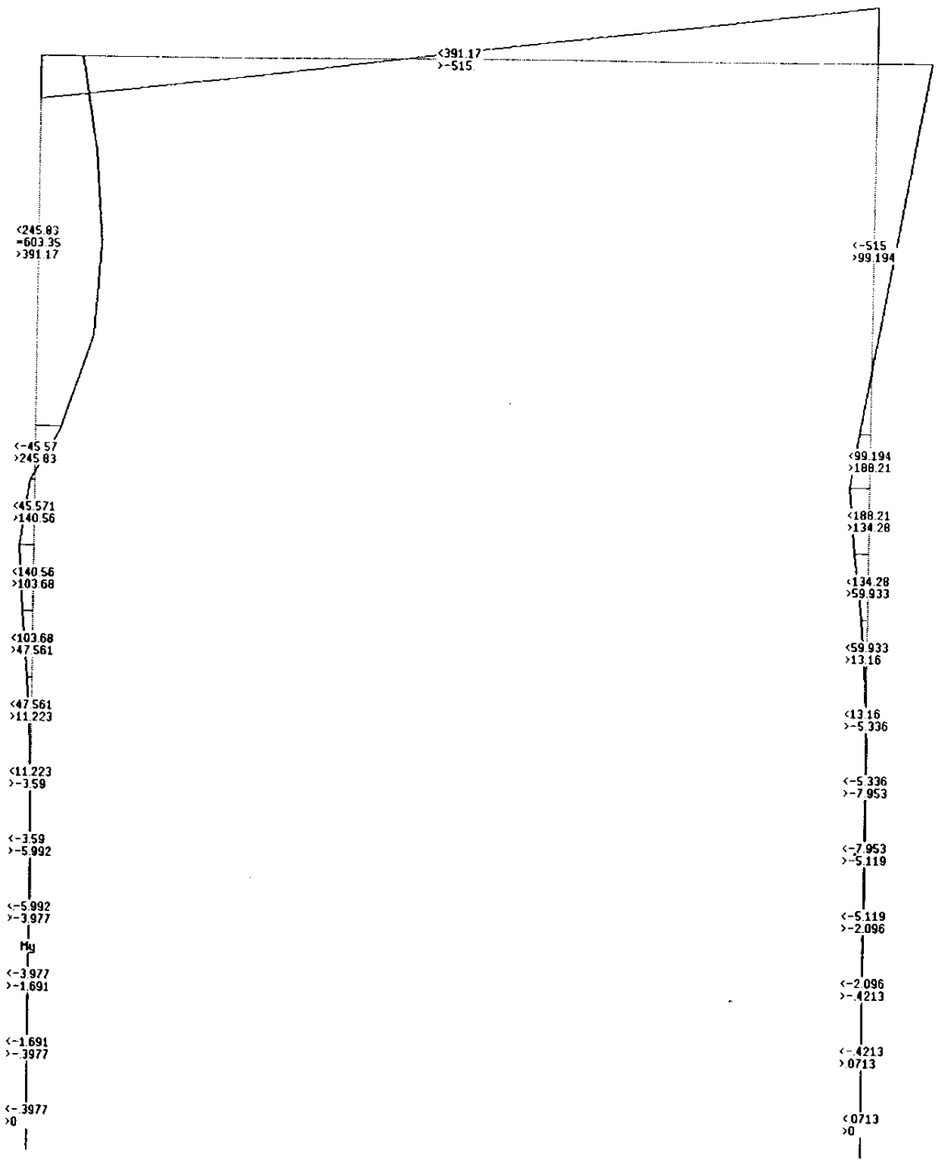
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
1	0	57.722	343.898	-45.571
1	0.250	57.722	316.932	37.015
1	0.500	57.722	290.832	112.967
1	0.750	57.722	265.600	182.503
1	1.000	57.722	241.235	245.839
2	0	-57.722	89.022	99.194
2	1.000	-57.722	89.022	188.216
5	0	-89.022	-57.722	391.178
5	15.700	-89.022	-57.722	-515.058
20	0	57.722	241.235	245.839
20	1.725	57.722	96.747	531.415
20	3.450	57.722	-6.458	603.355
20	5.175	57.722	-68.381	532.872
20	6.900	57.722	-89.022	391.178
21	0	-57.722	89.022	-515.058
21	6.900	-57.722	89.022	99.194
22	0	57.722	0.320758	-0.397739
22	1.240	57.722	0.320758	-3.98E-09
23	0	-57.722	-0.057470	0.071263
23	1.240	-57.722	-0.057470	7.13E-10
24	0	57.722	1.043	-1.691
24	1.240	57.722	1.043	-0.397739
25	0	-57.722	0.397253	-0.421330
25	1.240	-57.722	0.397253	0.071263
26	0	57.722	1.843	-3.977
26	1.240	57.722	1.843	-1.691
27	0	-57.722	1.351	-2.096
27	1.240	-57.722	1.351	-0.421330
28	0	57.722	1.625	-5.992
28	1.240	57.722	1.625	-3.977
29	0	-57.722	2.438	-5.119
29	1.240	-57.722	2.438	-2.096
30	0	57.722	-1.937	-3.590
30	1.240	57.722	-1.937	-5.992
31	0	-57.722	2.286	-7.953
31	1.240	-57.722	2.286	-5.119
32	0	57.722	-11.947	11.223
32	1.240	57.722	-11.947	-3.590

ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
33	0	-57.722	-2.111	-5.336
33	1.240	-57.722	-2.111	-7.953
34	0	57.722	-29.305	47.561
34	1.240	57.722	-29.305	11.223
35	0	-57.722	-14.916	13.160
35	1.240	-57.722	-14.916	-5.336
36	0	57.722	-45.257	103.681
36	1.240	57.722	-45.257	47.561
37	0	-57.722	-37.720	59.933
37	1.240	-57.722	-37.720	13.160
38	0	57.722	-29.747	140.567
38	1.240	57.722	-29.747	103.681
39	0	-57.722	-59.959	134.281
39	1.240	-57.722	-59.959	59.933
40	0	57.722	76.610	45.571
40	1.240	57.722	76.610	140.567
41	0	-57.722	-43.495	188.216
41	1.240	-57.722	-43.495	134.281

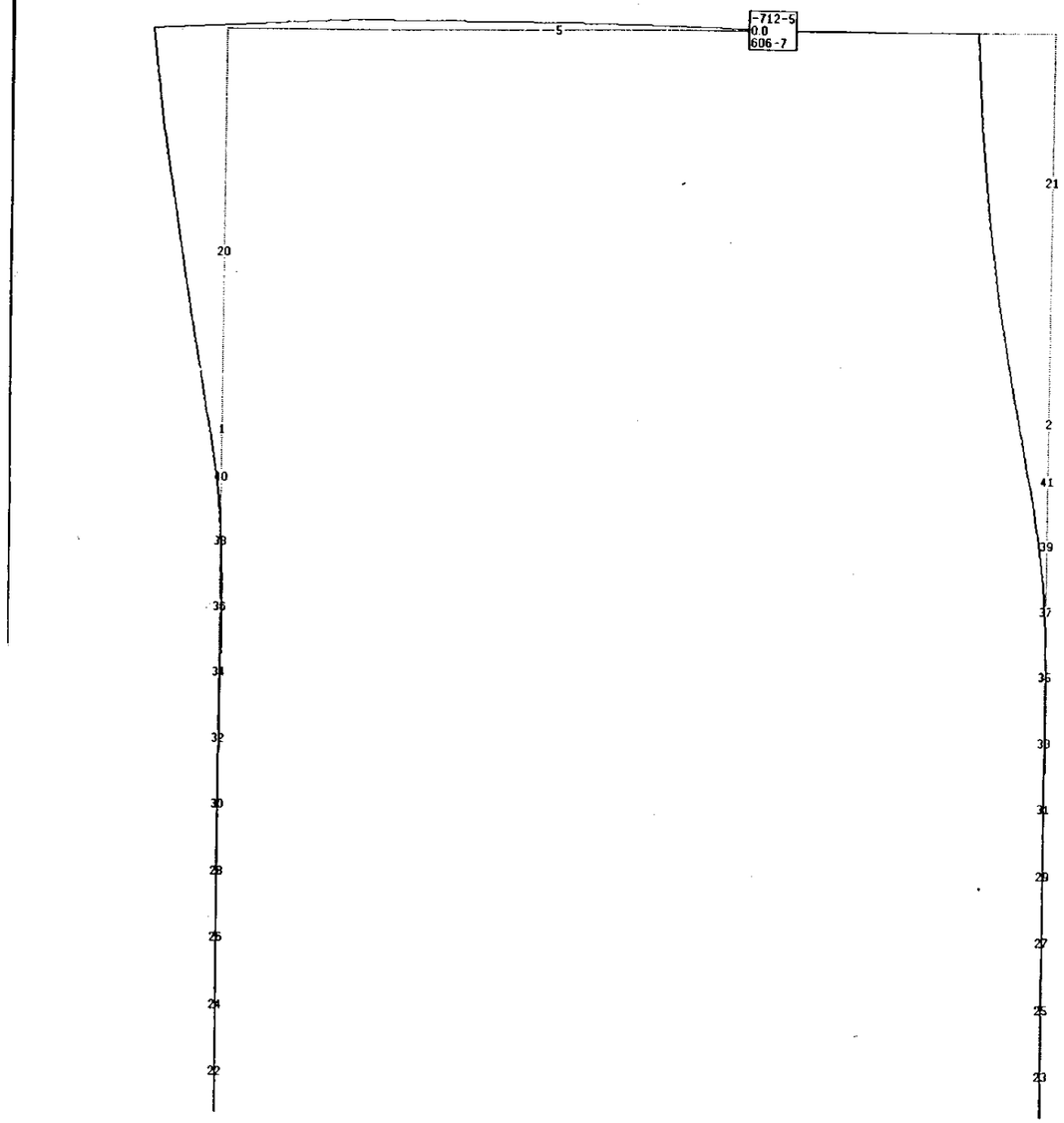
Escala 1 : 110.9
Section force, Hipótesi 22 (Empuje tierra 2 arriba. emp.), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 2.00E-03
  min: -5.15E+02 max: 6.03E+02 [kNm]
- Text Moment My [kNm]



BELASTUNG: 'Empuje tierra 1 abajo. emp.'

Lastfall	Faktor	Bauzustd. Vorv.	Titel
23	1.0000	6	Empuje tierra lado1 abajo.emp.

Escala 1 : 111.8
Deformed structure, Hipótesi 23 (Empuje tierra 1 abajo. emp.), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 2.0E2
- V-Max , Text: Vx,Vy,Vz [M]



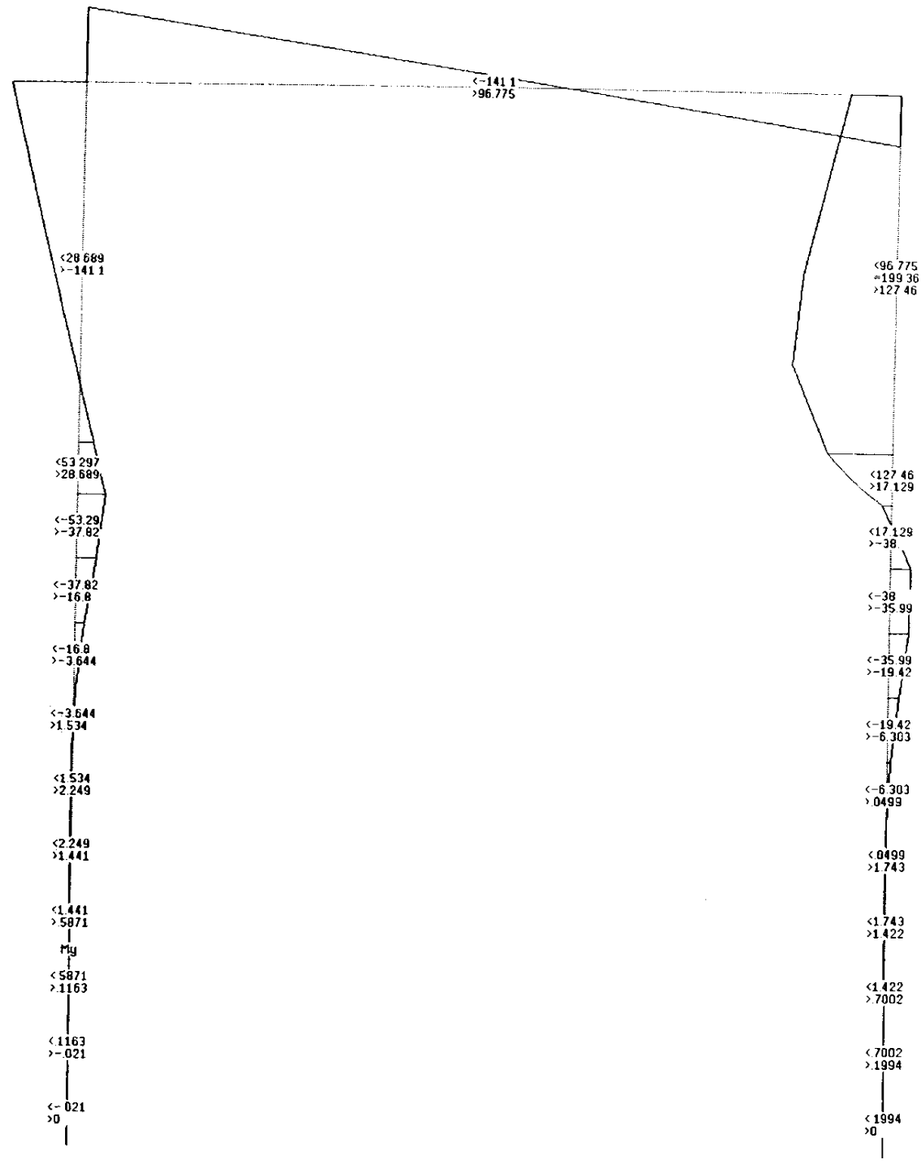
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
1	0	-15.151	-24.607	53.297
1	1.000	-15.151	-24.607	28.689
2	0	15.151	-81.228	127.468
2	0.250	15.151	-95.074	105.448
2	0.500	15.151	-109.772	79.860
2	0.750	15.151	-125.320	50.491
2	1.000	15.151	-141.720	17.129
5	0	-24.607	15.151	-141.101
5	15.700	-24.607	15.151	96.775
20	0	-15.151	-24.607	28.689
20	6.900	-15.151	-24.607	-141.101
21	0	15.151	24.607	96.775
21	2.957	15.151	24.607	169.542
21	3.450	15.151	22.954	181.398
21	5.175	15.151	-8.880	199.361
21	6.900	15.151	-81.228	127.468
22	0	-15.151	0.016898	-0.020953
22	1.240	-15.151	0.016898	-2.10E-10
23	0	15.151	-0.160782	0.199369
23	1.240	15.151	-0.160782	1.99E-09
24	0	-15.151	-0.110725	0.116345
24	1.240	-15.151	-0.110725	-0.020953
25	0	15.151	-0.403907	0.700214
25	1.240	15.151	-0.403907	0.199369
26	0	-15.151	-0.379662	0.587126
26	1.240	-15.151	-0.379662	0.116345
27	0	15.151	-0.581850	1.422
27	1.240	15.151	-0.581850	0.700214
28	0	-15.151	-0.688304	1.441
28	1.240	-15.151	-0.688304	0.587126
29	0	15.151	-0.259038	1.743
29	1.240	15.151	-0.259038	1.422
30	0	-15.151	-0.651952	2.249
30	1.240	-15.151	-0.651952	1.441
31	0	15.151	1.365	0.049880
31	1.240	15.151	1.365	1.743
32	0	-15.151	0.576386	1.534
32	1.240	-15.151	0.576386	2.249

ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
33	0	15.151	5.123	-6.303
33	1.240	15.151	5.123	0.049880
34	0	-15.151	4.176	-3.644
34	1.240	-15.151	4.176	1.534
35	0	15.151	10.584	-19.427
35	1.240	15.151	10.584	-6.303
36	0	-15.151	10.614	-16.805
36	1.240	-15.151	10.614	-3.644
37	0	15.151	13.358	-35.991
37	1.240	15.151	13.358	-19.427
38	0	-15.151	16.950	-37.823
38	1.240	-15.151	16.950	-16.805
39	0	15.151	1.622	-38.002
39	1.240	15.151	1.622	-35.991
40	0	-15.151	12.479	-53.297
40	1.240	-15.151	12.479	-37.823
41	0	15.151	-44.460	17.129
41	1.240	15.151	-44.460	-38.002

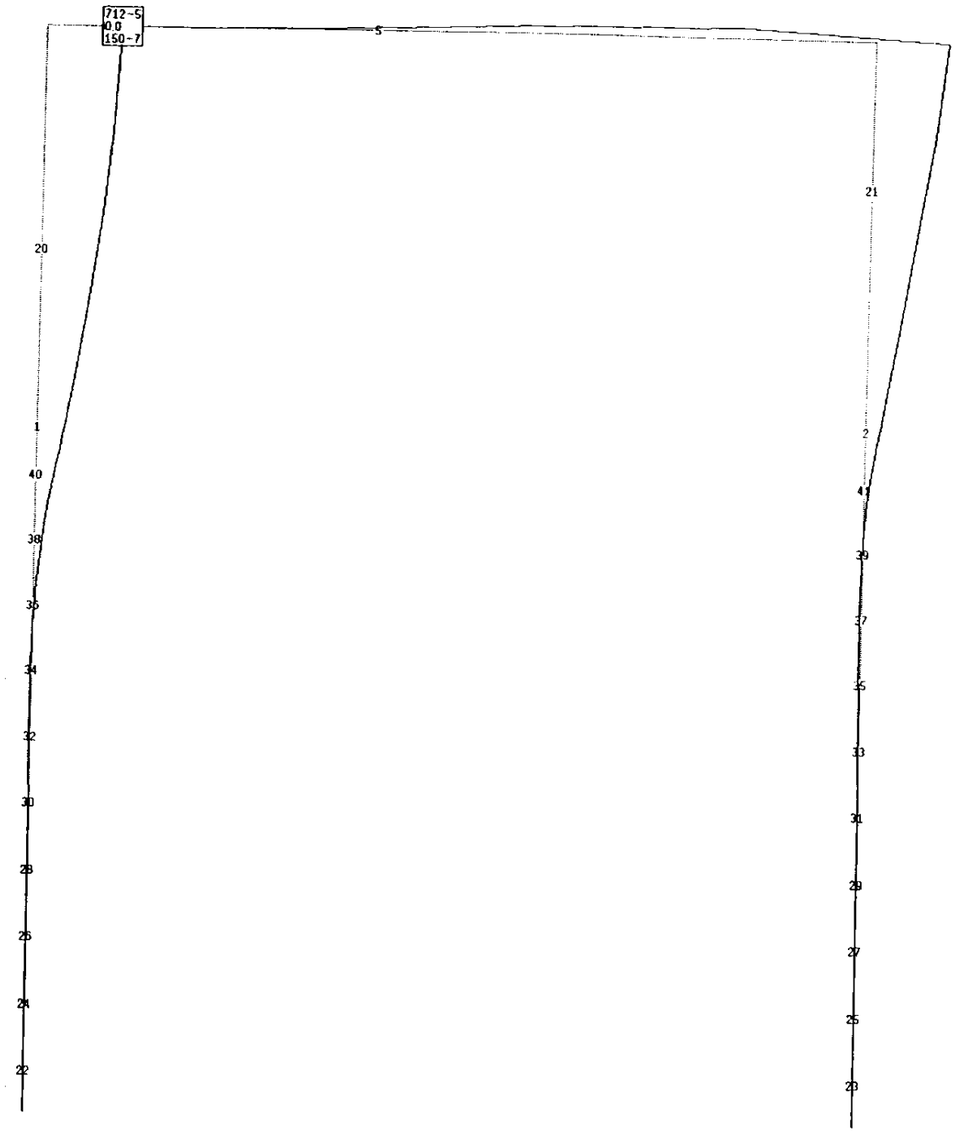
Escala 1 : 114.0
Section force, Hipótesi 23 (Empuje tierra 1 abajo. emp.), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 1.00E-02
  min: -1.41E+02 max: 1.99E+02 [kNm]
- Text Moment My [kNm]



BELASTUNG: 'Empuje tierra 2 abajo. emp.'

Lastfall	Faktor	Bauzustd.	Vorv.	Titel
24	1.0000	6		Empuje tierra lado2 abajo.emp.

Escala 1 : 111.8
Deformed structure, Hipótesi 24 (Empuje tierra 2 abajo. emp.), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 2.0E2
- V-Max , Text: Vx,Vy,Vz [M]



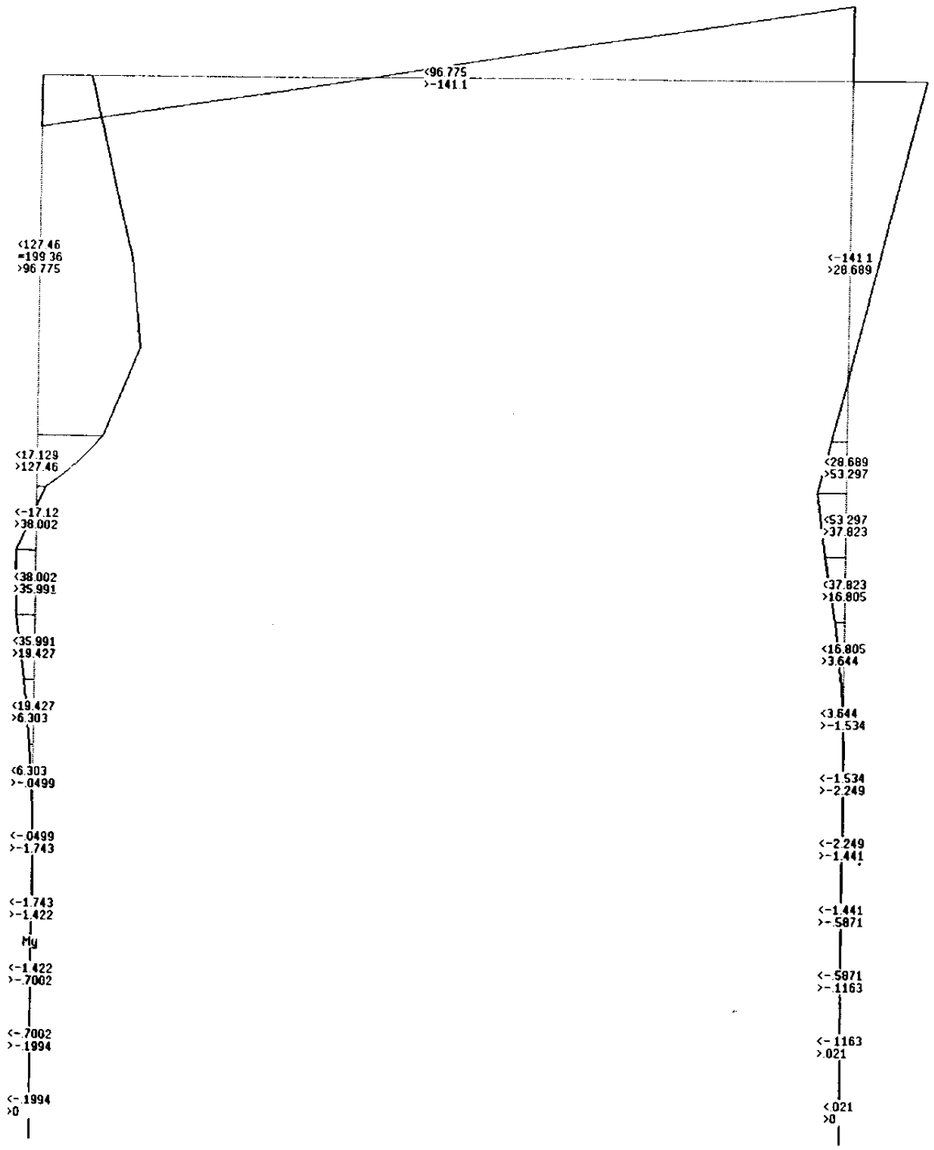
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
1	0	15.151	141.720	17.129
1	0.250	15.151	125.320	50.491
1	0.500	15.151	109.772	79.860
1	0.750	15.151	95.074	105.448
1	1.000	15.151	81.228	127.468
2	0	-15.151	24.607	28.689
2	1.000	-15.151	24.607	53.297
5	0	-24.607	-15.151	96.775
5	15.700	-24.607	-15.151	-141.101
20	0	15.151	81.228	127.468
20	1.725	15.151	8.880	199.361
20	3.450	15.151	-22.954	181.398
20	3.943	15.151	-24.607	169.542
20	6.900	15.151	-24.607	96.775
21	0	-15.151	24.607	-141.101
21	6.900	-15.151	24.607	28.689
22	0	15.151	0.160782	-0.199369
22	1.240	15.151	0.160782	-1.99E-09
23	0	-15.151	-0.016898	0.020953
23	1.240	-15.151	-0.016898	2.10E-10
24	0	15.151	0.403907	-0.700214
24	1.240	15.151	0.403907	-0.199369
25	0	-15.151	0.110725	-0.116345
25	1.240	-15.151	0.110725	0.020953
26	0	15.151	0.581850	-1.422
26	1.240	15.151	0.581850	-0.700214
27	0	-15.151	0.379662	-0.587126
27	1.240	-15.151	0.379662	-0.116345
28	0	15.151	0.259038	-1.743
28	1.240	15.151	0.259038	-1.422
29	0	-15.151	0.688304	-1.441
29	1.240	-15.151	0.688304	-0.587126
30	0	15.151	-1.365	-0.049880
30	1.240	15.151	-1.365	-1.743
31	0	-15.151	0.651952	-2.249
31	1.240	-15.151	0.651952	-1.441
32	0	15.151	-5.123	6.303
32	1.240	15.151	-5.123	-0.049880

ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
33	0	-15.151	-0.576386	-1.534
33	1.240	-15.151	-0.576386	-2.249
34	0	15.151	-10.584	19.427
34	1.240	15.151	-10.584	6.303
35	0	-15.151	-4.176	3.644
35	1.240	-15.151	-4.176	-1.534
36	0	15.151	-13.358	35.991
36	1.240	15.151	-13.358	19.427
37	0	-15.151	-10.614	16.805
37	1.240	-15.151	-10.614	3.644
38	0	15.151	-1.622	38.002
38	1.240	15.151	-1.622	35.991
39	0	-15.151	-16.950	37.823
39	1.240	-15.151	-16.950	16.805
40	0	15.151	44.460	-17.129
40	1.240	15.151	44.460	38.002
41	0	-15.151	-12.479	53.297
41	1.240	-15.151	-12.479	37.823

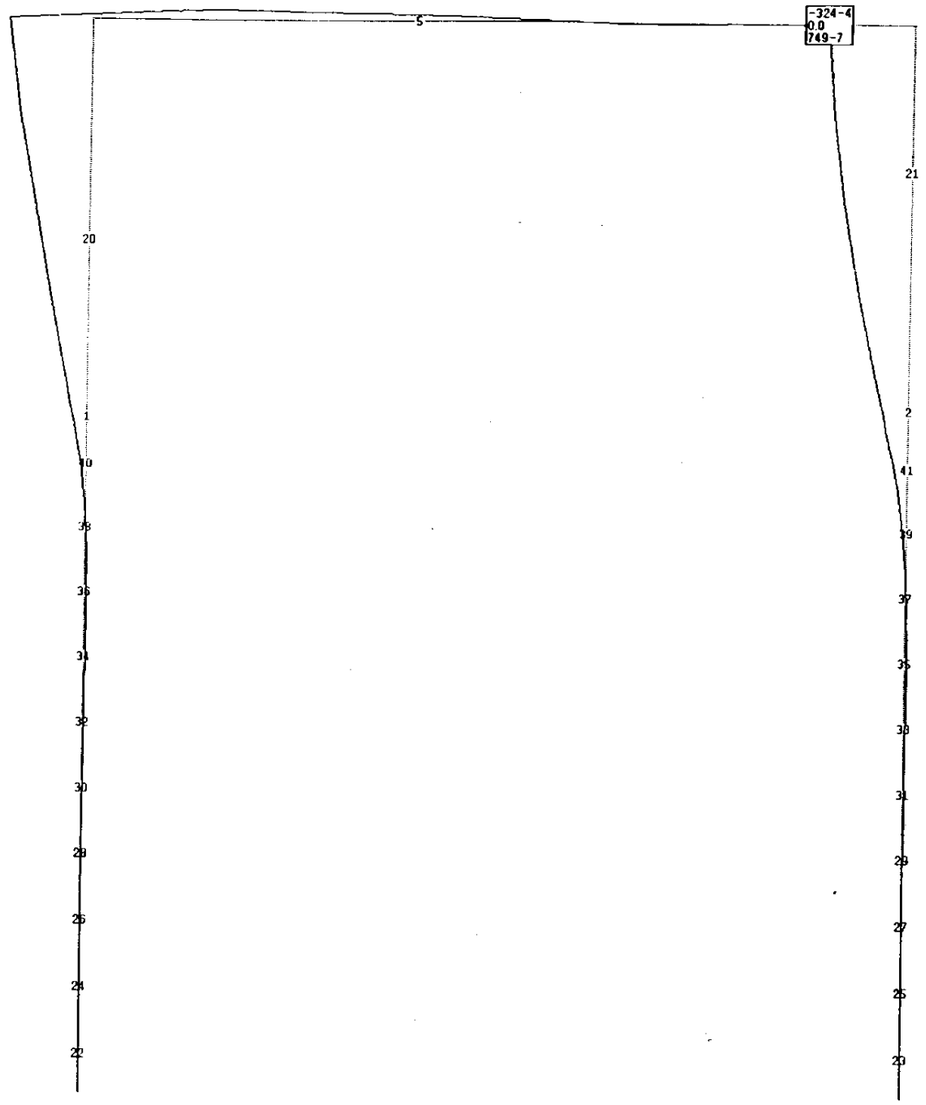
Escala 1 : 114.0
Section force, Hipótesi 24 (Empuje tierra 2 abajo. emp.), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 1.00E-02
  min: -1.41E+02 max: 1.99E+02 [kNm]
- Text Moment My [kNm]



BELASTUNG: 'Empuje 1 servicio. emp.'

Lastfall	Faktor	Bauzustd.	Vorv.	Titel
25	1.0000	6		Empuje lado 1 servicio. emp.

Escala 1 : 113.1
Deformed structure, Hipótesi 25 (Empuje 1 servicio. emp.), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 5.0E1
- V-Max , Text: Vx,Vy,Vz [M]



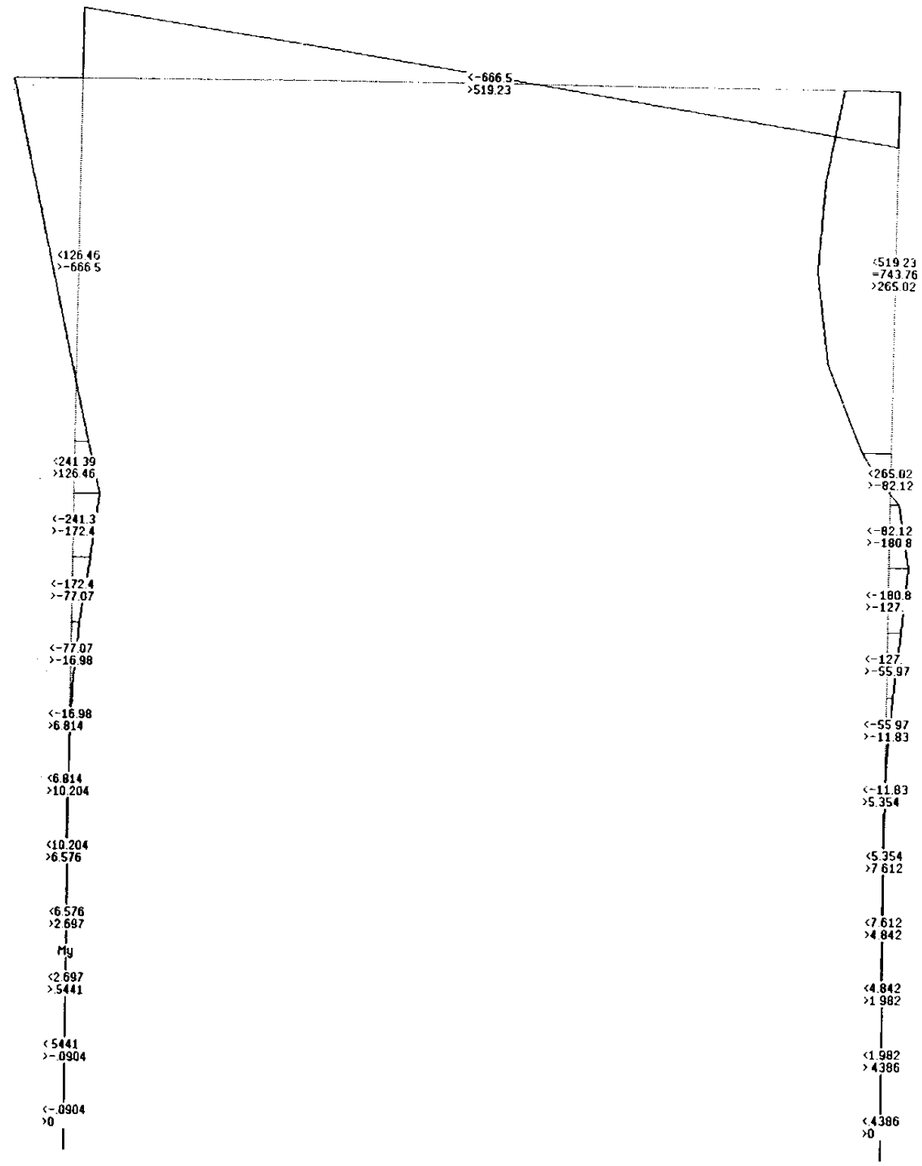
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
1	0	-75.527	-114.928	241.395
1	1.000	-75.527	-114.928	126.468
2	0	75.527	-292.771	265.025
2	0.250	75.527	-319.274	188.536
2	0.500	75.527	-346.598	105.319
2	0.750	75.527	-374.743	15.169
2	1.000	75.527	-403.707	-82.121
5	0	-114.928	75.527	-666.532
5	15.700	-114.928	75.527	519.234
20	0	-75.527	-114.928	126.468
20	6.900	-75.527	-114.928	-666.532
21	0	75.527	114.928	519.234
21	1.725	75.527	71.593	685.722
21	3.450	75.527	-10.802	743.769
21	5.175	75.527	-132.256	625.996
21	6.900	75.527	-292.771	265.025
22	0	-75.527	0.072927	-0.090429
22	1.240	-75.527	0.072927	-9.04E-10
23	0	75.527	-0.353746	0.438645
23	1.240	75.527	-0.353746	4.39E-09
24	0	-75.527	-0.511706	0.544086
24	1.240	-75.527	-0.511706	-0.090429
25	0	75.527	-1.245	1.982
25	1.240	75.527	-1.245	0.438645
26	0	-75.527	-1.736	2.697
26	1.240	-75.527	-1.736	0.544086
27	0	75.527	-2.306	4.842
27	1.240	75.527	-2.306	1.982
28	0	-75.527	-3.129	6.576
28	1.240	-75.527	-3.129	2.697
29	0	75.527	-2.235	7.612
29	1.240	75.527	-2.235	4.842
30	0	-75.527	-2.926	10.204
30	1.240	-75.527	-2.926	6.576
31	0	75.527	1.821	5.354
31	1.240	75.527	1.821	7.612
32	0	-75.527	2.734	6.814
32	1.240	-75.527	2.734	10.204

ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
33	0	75.527	13.865	-11.838
33	1.240	75.527	13.865	5.354
34	0	-75.527	19.191	-16.982
34	1.240	-75.527	19.191	6.814
35	0	75.527	35.591	-55.971
35	1.240	75.527	35.591	-11.838
36	0	-75.527	48.462	-77.075
36	1.240	-75.527	48.462	-16.982
37	0	75.527	57.348	-127.082
37	1.240	75.527	57.348	-55.971
38	0	-75.527	76.935	-172.474
38	1.240	-75.527	76.935	-77.075
39	0	75.527	43.399	-180.897
39	1.240	75.527	43.399	-127.082
40	0	-75.527	55.581	-241.395
40	1.240	-75.527	55.581	-172.474
41	0	75.527	-79.658	-82.121
41	1.240	75.527	-79.658	-180.897

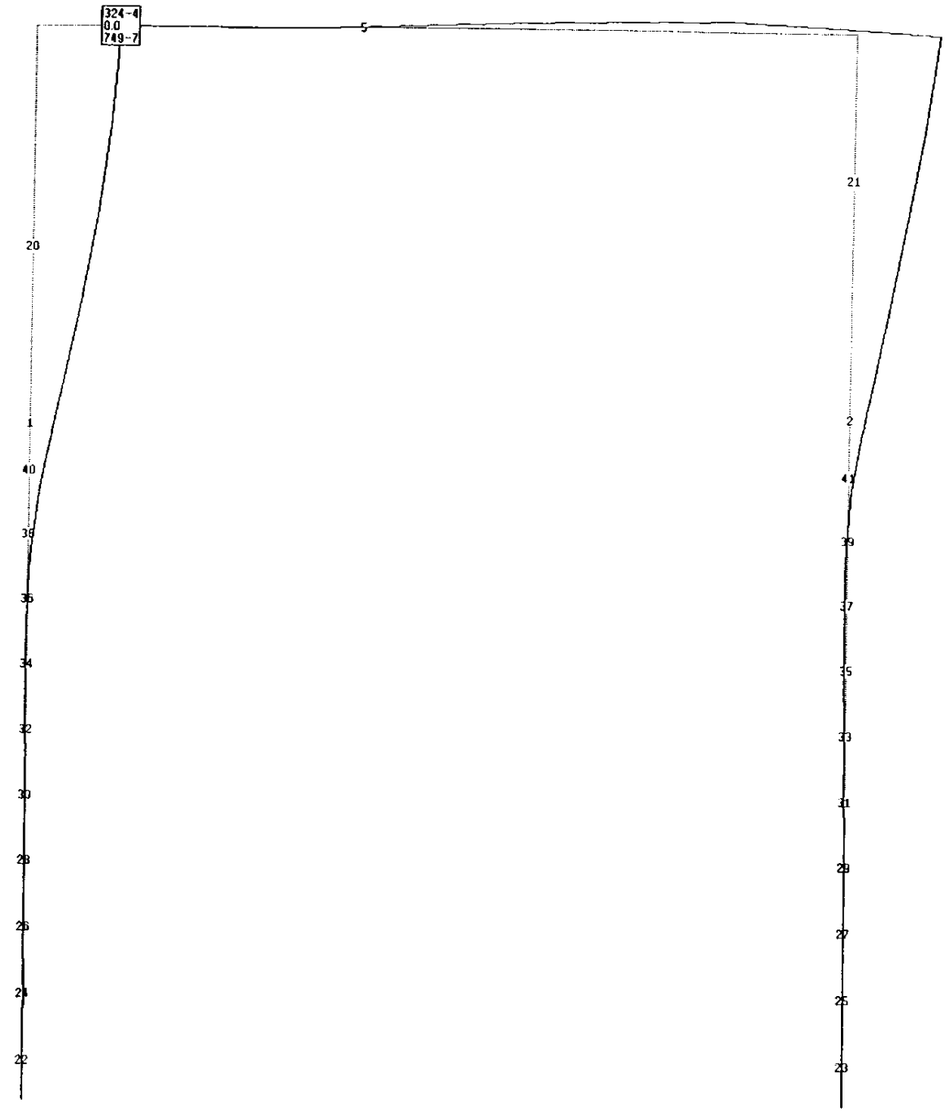
Escala 1 : 113.4
Section force, Hipótesi 25 (Empuje 1 servicio. emp.), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 2.00E-03
  min: -6.67E+02 max: 7.44E+02 [kNm]
- Text Moment My [kNm]



BELASTUNG: 'Empuje 2 servicio. emp.'

Lastfall	Faktor	Bauzustd.	Vorv.	Titel
26	1.0000	6		Empuje lado2 servicio. emp.

Escala 1 : 113.0
Deformed structure, Hipótesi 26 (Empuje 2 servicio. emp.), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 5.0E1
- V-Max , Text: Vx,Vy,Vz [M]



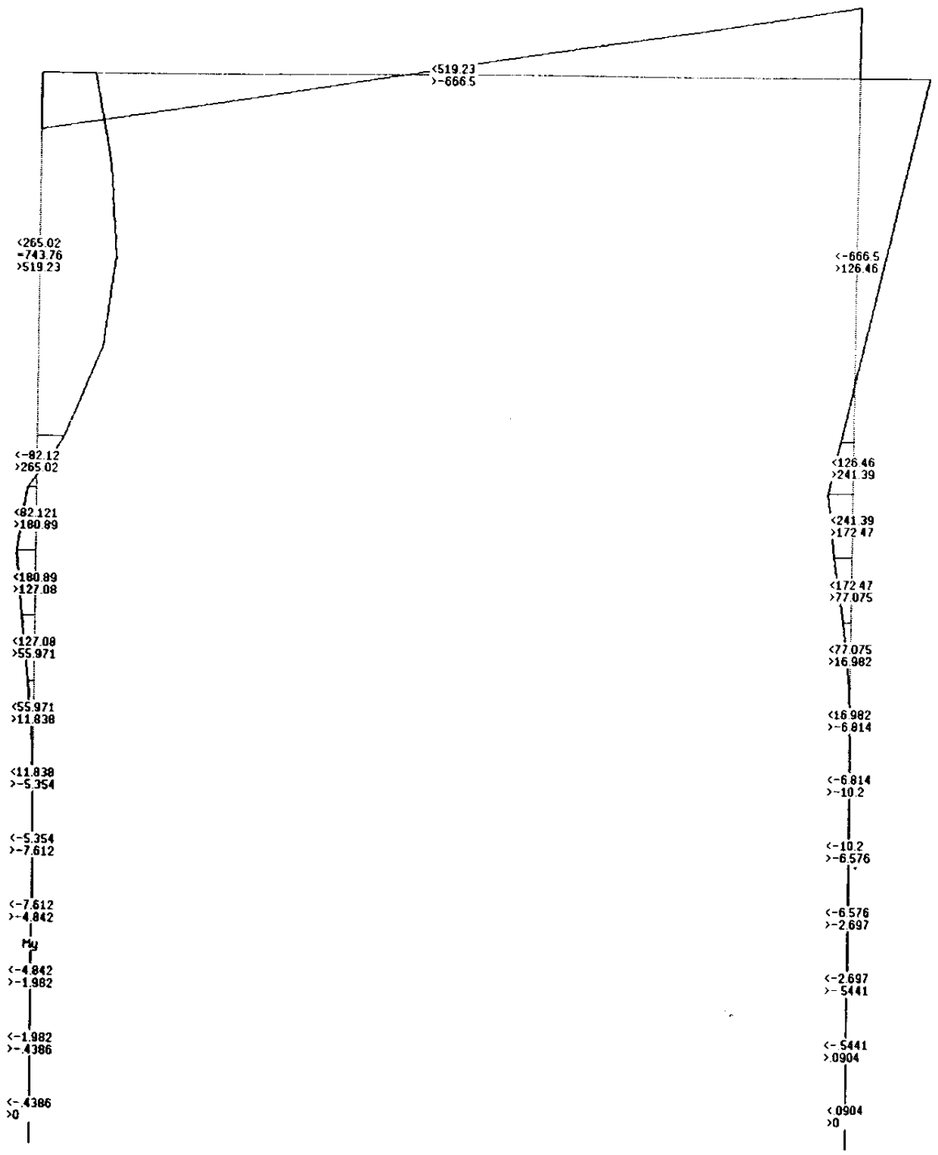
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
1	0	75.527	403.707	-82.121
1	0.250	75.527	374.743	15.169
1	0.500	75.527	346.598	105.319
1	0.750	75.527	319.274	188.536
1	1.000	75.527	292.771	265.025
2	0	-75.527	114.928	126.468
2	1.000	-75.527	114.928	241.395
5	0	-114.928	-75.527	519.234
5	15.700	-114.928	-75.527	-666.532
20	0	75.527	292.771	265.025
20	1.725	75.527	132.256	625.996
20	3.450	75.527	10.802	743.769
20	5.175	75.527	-71.593	685.722
20	6.900	75.527	-114.928	519.234
21	0	-75.527	114.928	-666.532
21	6.900	-75.527	114.928	126.468
22	0	75.527	0.353746	-0.438645
22	1.240	75.527	0.353746	-4.39E-09
23	0	-75.527	-0.072927	0.090429
23	1.240	-75.527	-0.072927	9.04E-10
24	0	75.527	1.245	-1.982
24	1.240	75.527	1.245	-0.438645
25	0	-75.527	0.511706	-0.544086
25	1.240	-75.527	0.511706	0.090429
26	0	75.527	2.306	-4.842
26	1.240	75.527	2.306	-1.982
27	0	-75.527	1.736	-2.697
27	1.240	-75.527	1.736	-0.544086
28	0	75.527	2.235	-7.612
28	1.240	75.527	2.235	-4.842
29	0	-75.527	3.129	-6.576
29	1.240	-75.527	3.129	-2.697
30	0	75.527	-1.821	-5.354
30	1.240	75.527	-1.821	-7.612
31	0	-75.527	2.926	-10.204
31	1.240	-75.527	2.926	-6.576
32	0	75.527	-13.865	11.838
32	1.240	75.527	-13.865	-5.354

ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
33	0	-75.527	-2.734	-6.814
33	1.240	-75.527	-2.734	-10.204
34	0	75.527	-35.591	55.971
34	1.240	75.527	-35.591	11.838
35	0	-75.527	-19.191	16.982
35	1.240	-75.527	-19.191	-6.814
36	0	75.527	-57.348	127.082
36	1.240	75.527	-57.348	55.971
37	0	-75.527	-48.462	77.075
37	1.240	-75.527	-48.462	16.982
38	0	75.527	-43.399	180.897
38	1.240	75.527	-43.399	127.082
39	0	-75.527	-76.935	172.474
39	1.240	-75.527	-76.935	77.075
40	0	75.527	79.658	82.121
40	1.240	75.527	79.658	180.897
41	0	-75.527	-55.581	241.395
41	1.240	-75.527	-55.581	172.474

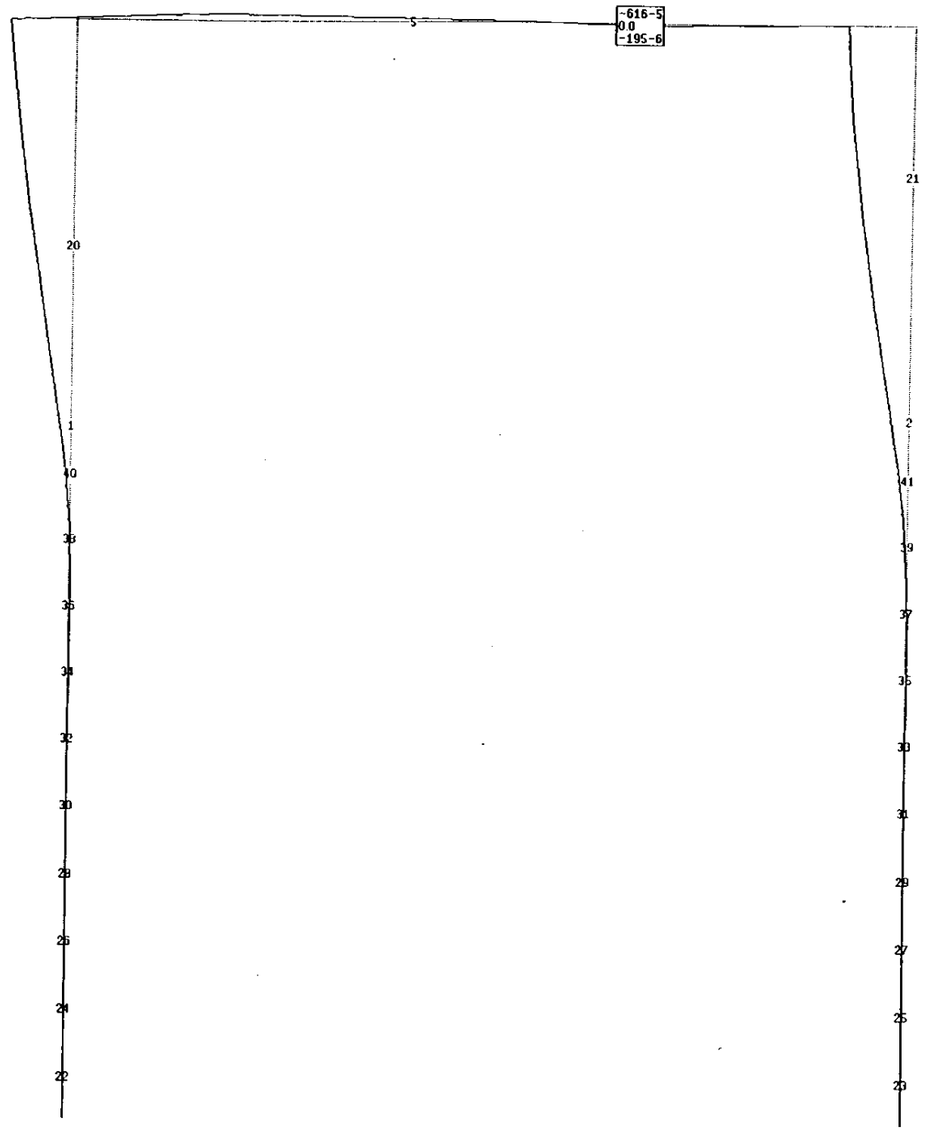
Escala 1 : 113.4
Section force, Hipótesi 26 (Empuje 2 servicio. emp.), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 2.00E-03
  min: -6.67E+02 max: 7.44E+02 [kNm]
- Text Moment My [kNm]



BELASTUNG: 'SC maquinaria 1. emp.'

Lastfall	Faktor	Bauzustd. Vorv.	Titel
27	1.0000	6	SC maquinaria lado 1. emp.

Escala 1 : 110.5
Deformed structure, Hipótesi 27 (SC maquinaria 1. emp.), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 2.0E2
- V-Max , Text: Vx,Vy,Vz [M]



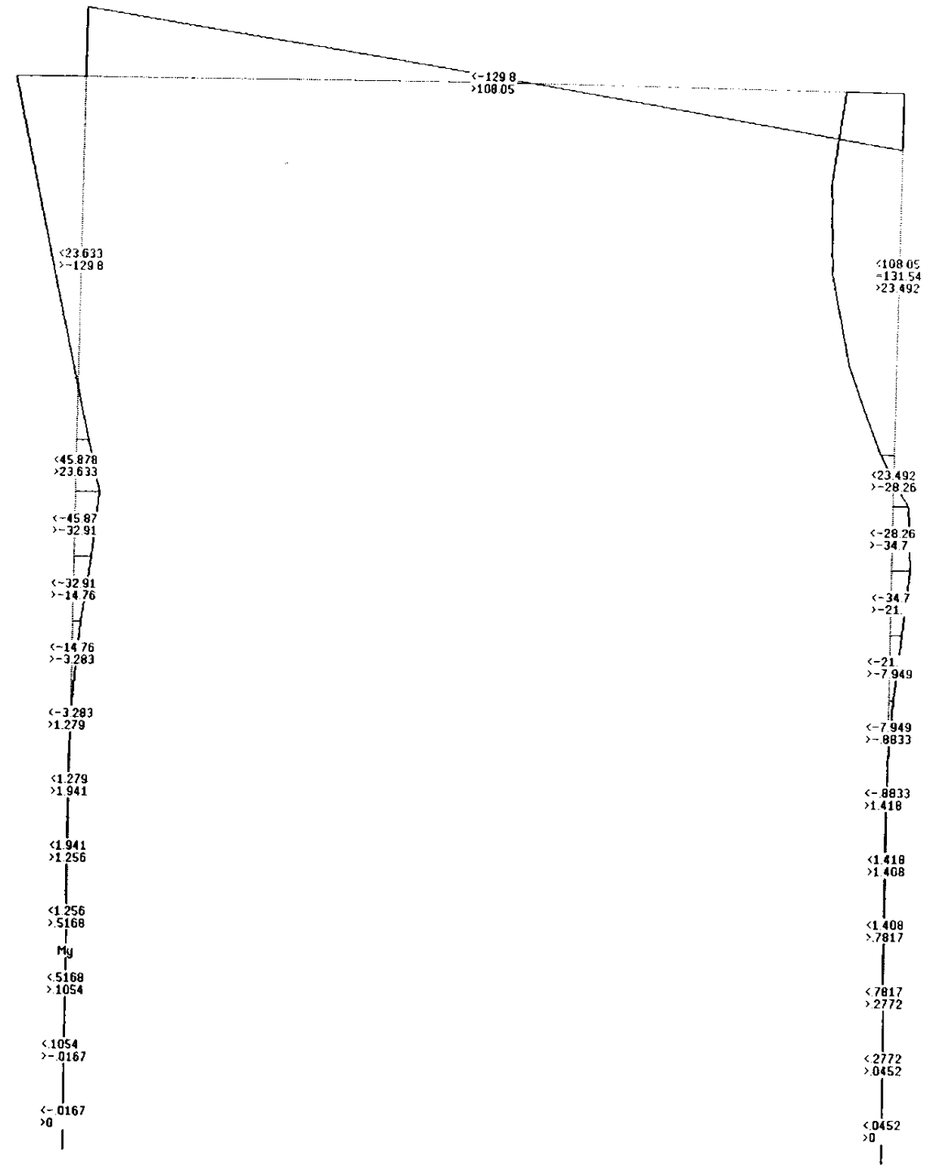
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
1	0	-15.153	-22.245	45.878
1	1.000	-15.153	-22.245	23.633
2	0	15.153	-46.755	23.492
2	0.250	15.153	-49.255	11.491
2	0.500	15.153	-51.755	-1.135
2	0.750	15.153	-54.255	-14.387
2	1.000	15.153	-56.755	-28.263
5	0	-22.245	15.153	-129.856
5	15.700	-22.245	15.153	108.053
20	0	-15.153	-22.245	23.633
20	6.900	-15.153	-22.245	-129.856
21	0	15.153	22.245	108.053
21	1.725	15.153	4.995	131.547
21	3.450	15.153	-12.255	125.285
21	5.175	15.153	-29.505	89.267
21	6.900	15.153	-46.755	23.492
22	0	-15.153	0.013442	-0.016668
22	1.240	-15.153	0.013442	-1.67E-10
23	0	15.153	-0.036417	0.045157
23	1.240	15.153	-0.036417	4.52E-10
24	0	-15.153	-0.098433	0.105389
24	1.240	-15.153	-0.098433	-0.016668
25	0	15.153	-0.187091	0.277150
25	1.240	15.153	-0.187091	0.045157
26	0	-15.153	-0.331814	0.516838
26	1.240	-15.153	-0.331814	0.105389
27	0	15.153	-0.406931	0.781745
27	1.240	15.153	-0.406931	0.277150
28	0	-15.153	-0.595906	1.256
28	1.240	-15.153	-0.595906	0.516838
29	0	15.153	-0.505284	1.408
29	1.240	15.153	-0.505284	0.781745
30	0	-15.153	-0.552993	1.941
30	1.240	-15.153	-0.552993	1.256
31	0	15.153	-0.008113	1.418
31	1.240	15.153	-0.008113	1.408
32	0	-15.153	0.533856	1.279
32	1.240	-15.153	0.533856	1.941

ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
33	0	15.153	1.856	-0.883306
33	1.240	15.153	1.856	1.418
34	0	-15.153	3.679	-3.283
34	1.240	-15.153	3.679	1.279
35	0	15.153	5.698	-7.949
35	1.240	15.153	5.698	-0.883306
36	0	-15.153	9.255	-14.760
36	1.240	-15.153	9.255	-3.283
37	0	15.153	10.526	-21.002
37	1.240	15.153	10.526	-7.949
38	0	-15.153	14.641	-32.914
38	1.240	-15.153	14.641	-14.760
39	0	15.153	11.053	-34.708
39	1.240	15.153	11.053	-21.002
40	0	-15.153	10.455	-45.878
40	1.240	-15.153	10.455	-32.914
41	0	15.153	-5.198	-28.263
41	1.240	15.153	-5.198	-34.708

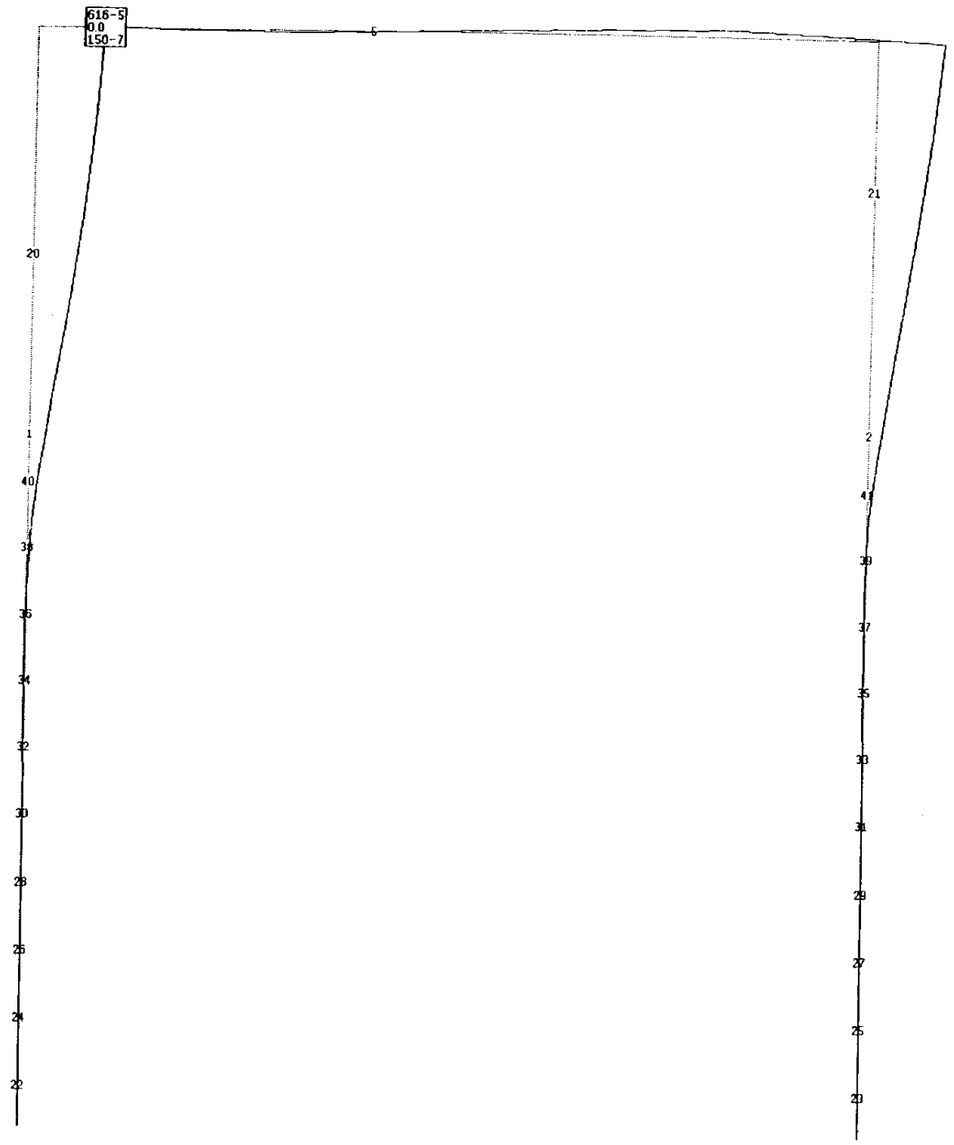
Escala 1 : 113.1
Section force, Hipótesi 27 (SC maquinaria 1. emp.), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 1.00E-02
  min: -1.30E+02 max: 1.32E+02 [kNm]
- Text Moment My [kNm]



BELASTUNG: 'SC maquinaria 2. emp.'

Lastfall	Faktor	Bauzustd. Vorv.	Titel
28	1.0000	6	SC maquinaria lado2. emp.

Escala 1 : 110.5
Deformed structure, Hipótesi 28 (SC maquinaria 2. emp.), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 2.0E2
- V-Max , Text: Vx,Vy,Vz [M]



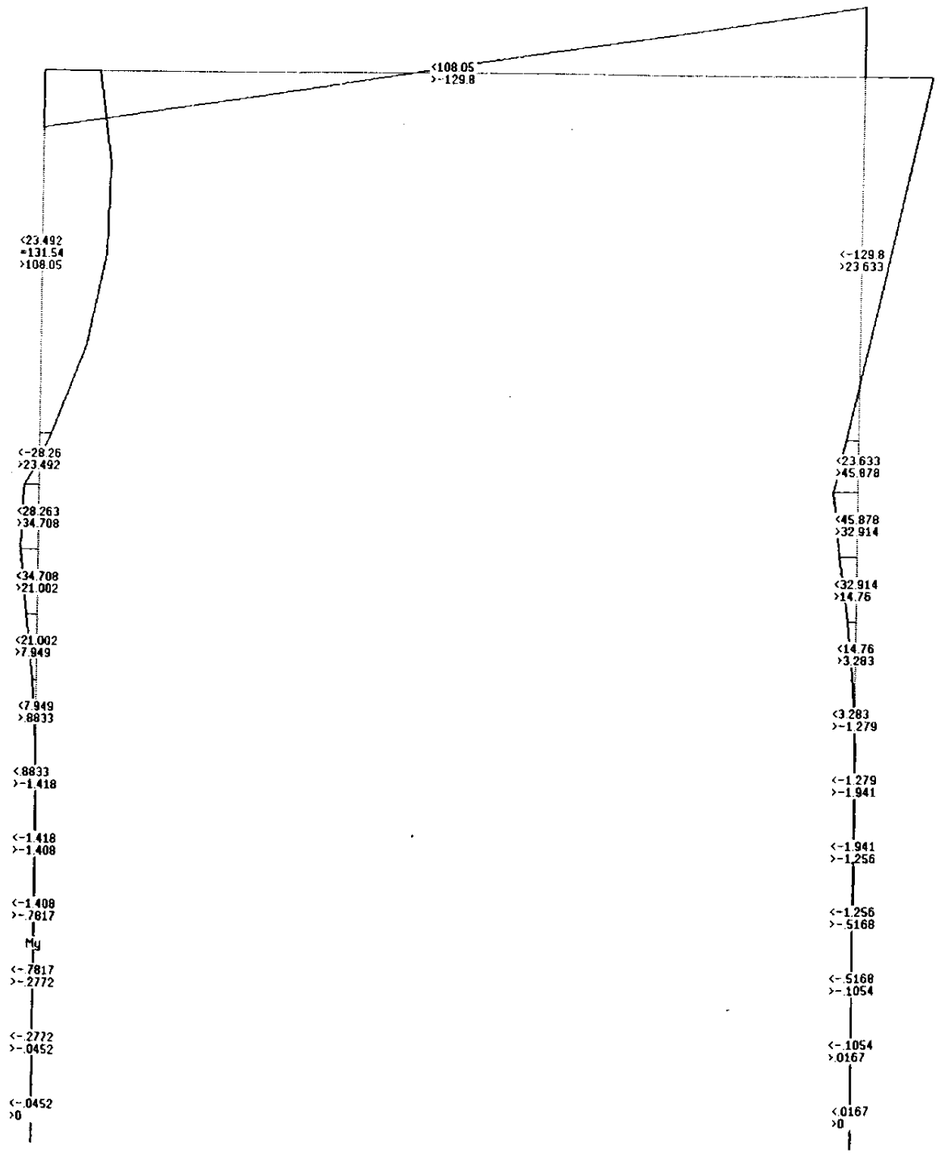
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
1	0	15.153	56.755	-28.263
1	0.250	15.153	54.255	-14.387
1	0.500	15.153	51.755	-1.135
1	0.750	15.153	49.255	11.491
1	1.000	15.153	46.755	23.492
2	0	-15.153	22.245	23.633
2	1.000	-15.153	22.245	45.878
5	0	-22.245	-15.153	108.053
5	15.700	-22.245	-15.153	-129.856
20	0	15.153	46.755	23.492
20	1.725	15.153	29.505	89.267
20	3.450	15.153	12.255	125.285
20	5.175	15.153	-4.995	131.547
20	6.900	15.153	-22.245	108.053
21	0	-15.153	22.245	-129.856
21	6.900	-15.153	22.245	23.633
22	0	15.153	0.036417	-0.045157
22	1.240	15.153	0.036417	-4.52E-10
23	0	-15.153	-0.013442	0.016668
23	1.240	-15.153	-0.013442	1.67E-10
24	0	15.153	0.187091	-0.277150
24	1.240	15.153	0.187091	-0.045157
25	0	-15.153	0.098433	-0.105389
25	1.240	-15.153	0.098433	0.016668
26	0	15.153	0.406931	-0.781745
26	1.240	15.153	0.406931	-0.277150
27	0	-15.153	0.331814	-0.516838
27	1.240	-15.153	0.331814	-0.105389
28	0	15.153	0.505284	-1.408
28	1.240	15.153	0.505284	-0.781745
29	0	-15.153	0.595906	-1.256
29	1.240	-15.153	0.595906	-0.516838
30	0	15.153	0.008113	-1.418
30	1.240	15.153	0.008113	-1.408
31	0	-15.153	0.552993	-1.941
31	1.240	-15.153	0.552993	-1.256
32	0	15.153	-1.856	0.883306
32	1.240	15.153	-1.856	-1.418

ESFUERZOS: "ALL"

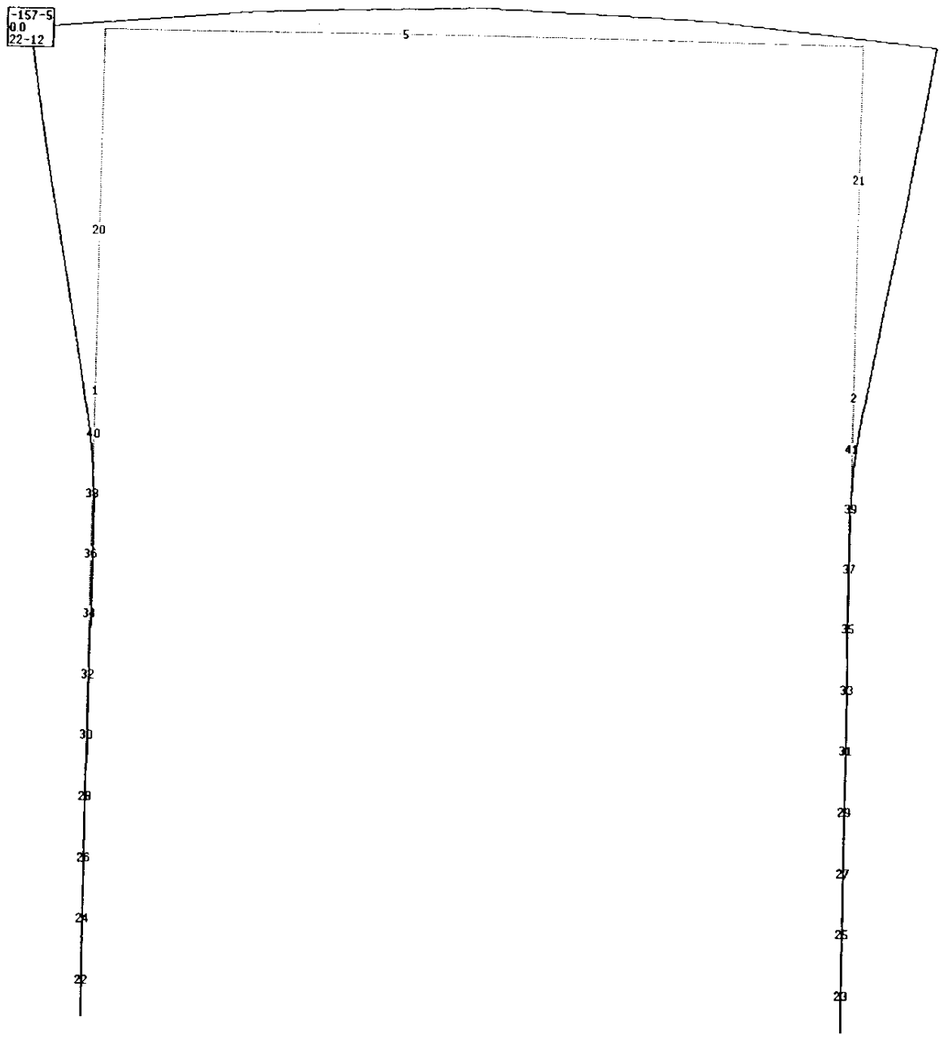
Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
33	0	-15.153	-0.533856	-1.279
33	1.240	-15.153	-0.533856	-1.941
34	0	15.153	-5.698	7.949
34	1.240	15.153	-5.698	0.883306
35	0	-15.153	-3.679	3.283
35	1.240	-15.153	-3.679	-1.279
36	0	15.153	-10.526	21.002
36	1.240	15.153	-10.526	7.949
37	0	-15.153	-9.255	14.760
37	1.240	-15.153	-9.255	3.283
38	0	15.153	-11.053	34.708
38	1.240	15.153	-11.053	21.002
39	0	-15.153	-14.641	32.914
39	1.240	-15.153	-14.641	14.760
40	0	15.153	5.198	28.263
40	1.240	15.153	5.198	34.708
41	0	-15.153	-10.455	45.878
41	1.240	-15.153	-10.455	32.914

Escala 1 : 113.1
Section force, Hipótesi 28 (SC maquinaria 2. emp.), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 1.00E-02
  min: -1.30E+02 max: 1.32E+02 [kNm]
- Text Moment My [kNm]



BELASTUNG: 'Temp. unif. emp.'
Lastfall Faktor Bauzustd. Vorv. Titel
32 1.0000 6 Temp. unifor.empotrada

Escala 1 : 122.8
Deformed structure, Hipótesi 32 (Temp. unif. emp.), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 1.0E3
- V-Max , Text: Vx,Vy,Vz [M]



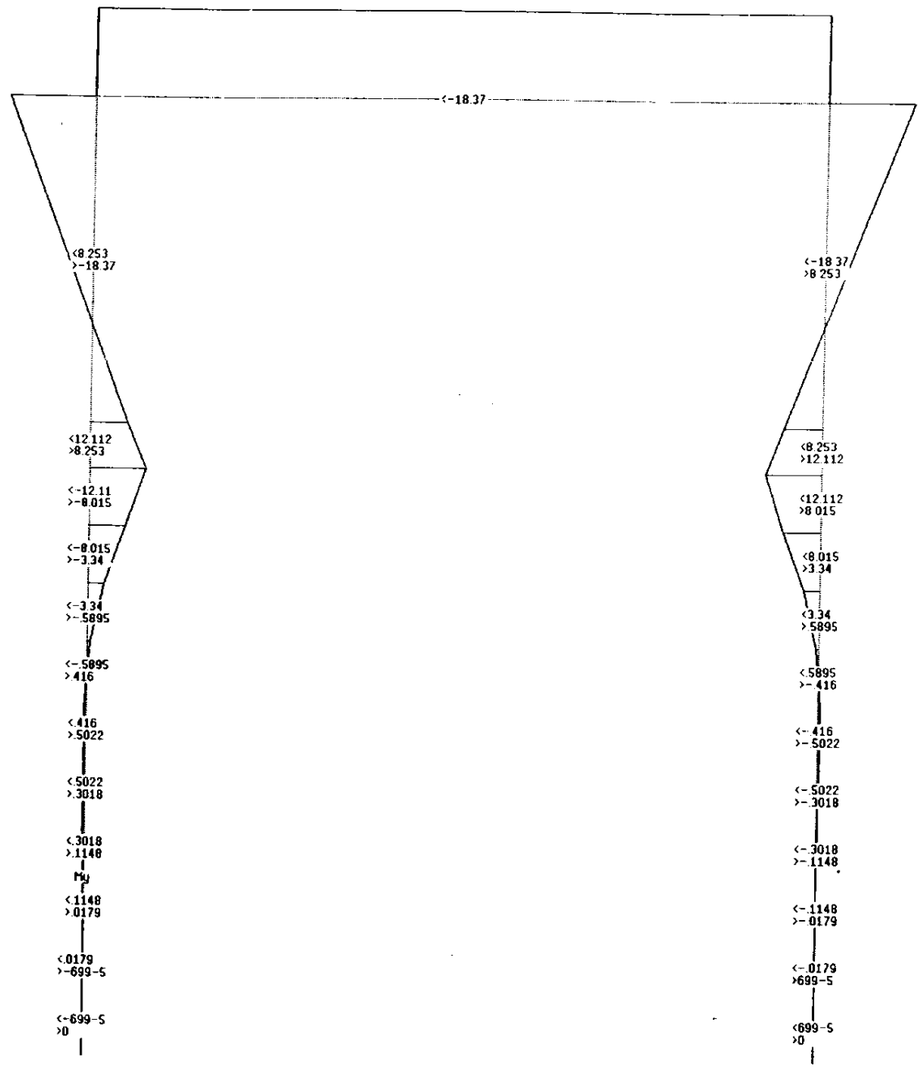
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
1	0	-3.98E-13	-3.859	12.112
1	1.000	-3.98E-13	-3.859	8.253
2	0	3.99E-13	3.859	8.253
2	1.000	3.99E-13	3.859	12.112
5	0	-3.859	3.99E-13	-18.373
5	15.700	-3.859	3.99E-13	-18.373
20	0	-3.98E-13	-3.859	8.253
20	6.900	-3.98E-13	-3.859	-18.373
21	0	3.99E-13	3.859	-18.373
21	6.900	3.99E-13	3.859	8.253
22	0	-3.98E-13	0.005640	-0.006993
22	1.240	-3.98E-13	0.005640	-6.99E-11
23	0	3.99E-13	-0.005640	0.006993
23	1.240	3.99E-13	-0.005640	6.99E-11
24	0	-3.98E-13	-0.020072	0.017896
24	1.240	-3.98E-13	-0.020072	-0.006993
25	0	3.99E-13	0.020072	-0.017896
25	1.240	3.99E-13	0.020072	0.006993
26	0	-3.98E-13	-0.078128	0.114774
26	1.240	-3.98E-13	-0.078128	0.017896
27	0	3.99E-13	0.078128	-0.114774
27	1.240	3.99E-13	0.078128	-0.017896
28	0	-3.98E-13	-0.150859	0.301839
28	1.240	-3.98E-13	-0.150859	0.114774
29	0	3.99E-13	0.150859	-0.301839
29	1.240	3.99E-13	0.150859	-0.114774
30	0	-3.98E-13	-0.161550	0.502162
30	1.240	-3.98E-13	-0.161550	0.301839
31	0	3.99E-13	0.161550	-0.502162
31	1.240	3.99E-13	0.161550	-0.301839
32	0	-3.98E-13	0.069498	0.415985
32	1.240	-3.98E-13	0.069498	0.502162
33	0	3.99E-13	-0.069498	-0.415985
33	1.240	3.99E-13	-0.069498	-0.502162
34	0	-3.98E-13	0.810848	-0.589467
34	1.240	-3.98E-13	0.810848	0.415985

ESFUERZOS: "ALL"

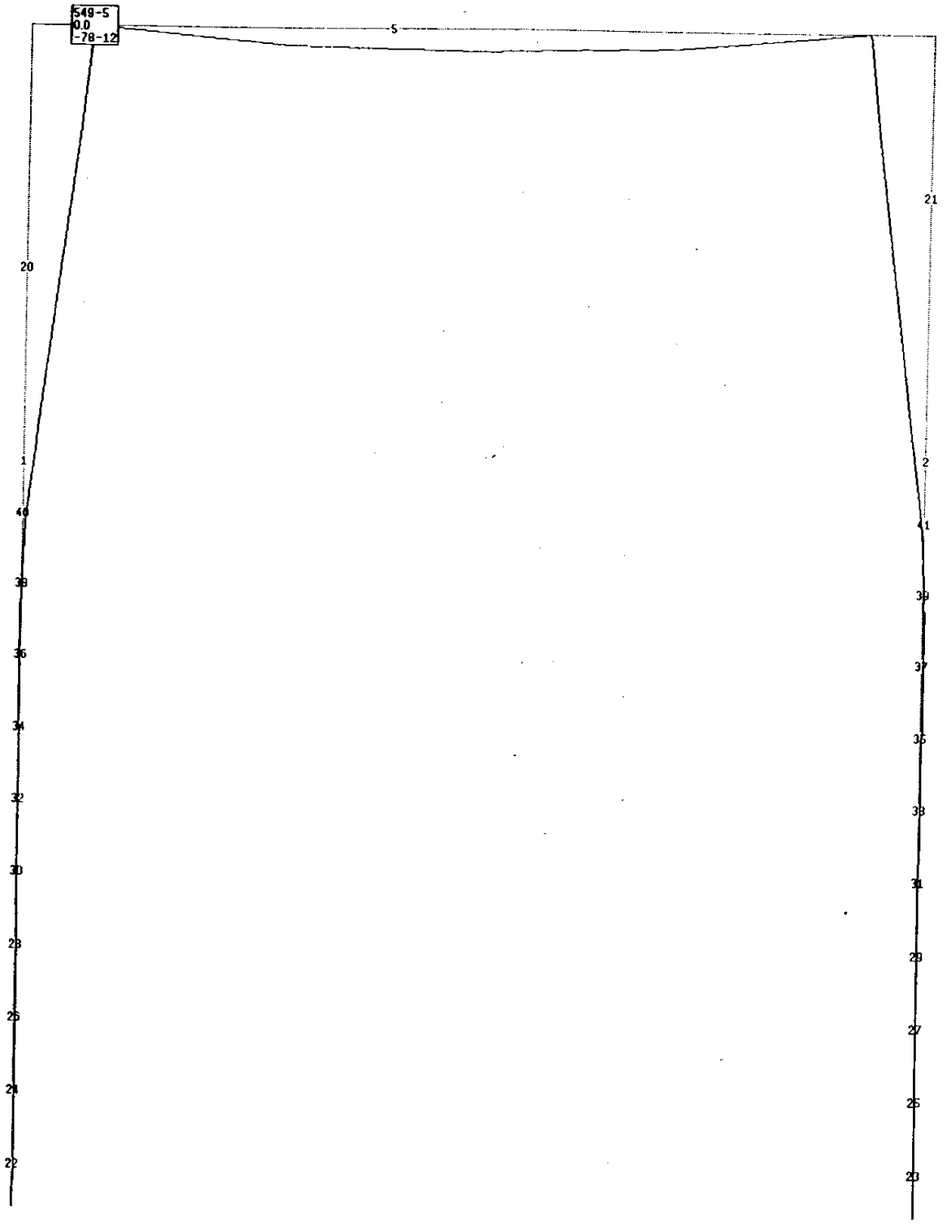
Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
35	0	3.99E-13	-0.810848	0.589467
35	1.240	3.99E-13	-0.810848	-0.415985
36	0	-3.98E-13	2.218	-3.340
36	1.240	-3.98E-13	2.218	-0.589467
37	0	3.99E-13	-2.218	3.340
37	1.240	3.99E-13	-2.218	0.589467
38	0	-3.98E-13	3.770	-8.015
38	1.240	-3.98E-13	3.770	-3.340
39	0	3.99E-13	-3.770	8.015
39	1.240	3.99E-13	-3.770	3.340
40	0	-3.98E-13	3.304	-12.112
40	1.240	-3.98E-13	3.304	-8.015
41	0	3.99E-13	-3.304	12.112
41	1.240	3.99E-13	-3.304	8.015

Escala 1 : 126.3
Section force, Hipótesi 32 (Temp. unif. emp.), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 1.00E-01
  min: -1.84E+01 max: 1.21E+01 [kNm]
- Text Moment My [kNm]



BELASTUNG: 'Reológico empotrada.'
Lastfall	Faktor	Bauzustd. Vorv.	Titel
33	1.0000	6	Reológico empotrada

Escala 1 : 102.7
Deformed structure, Hipótesi 33 (Reológico empotrada.), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 2.0E2
- V-Max , Text: Vx,Vy,Vz [M]



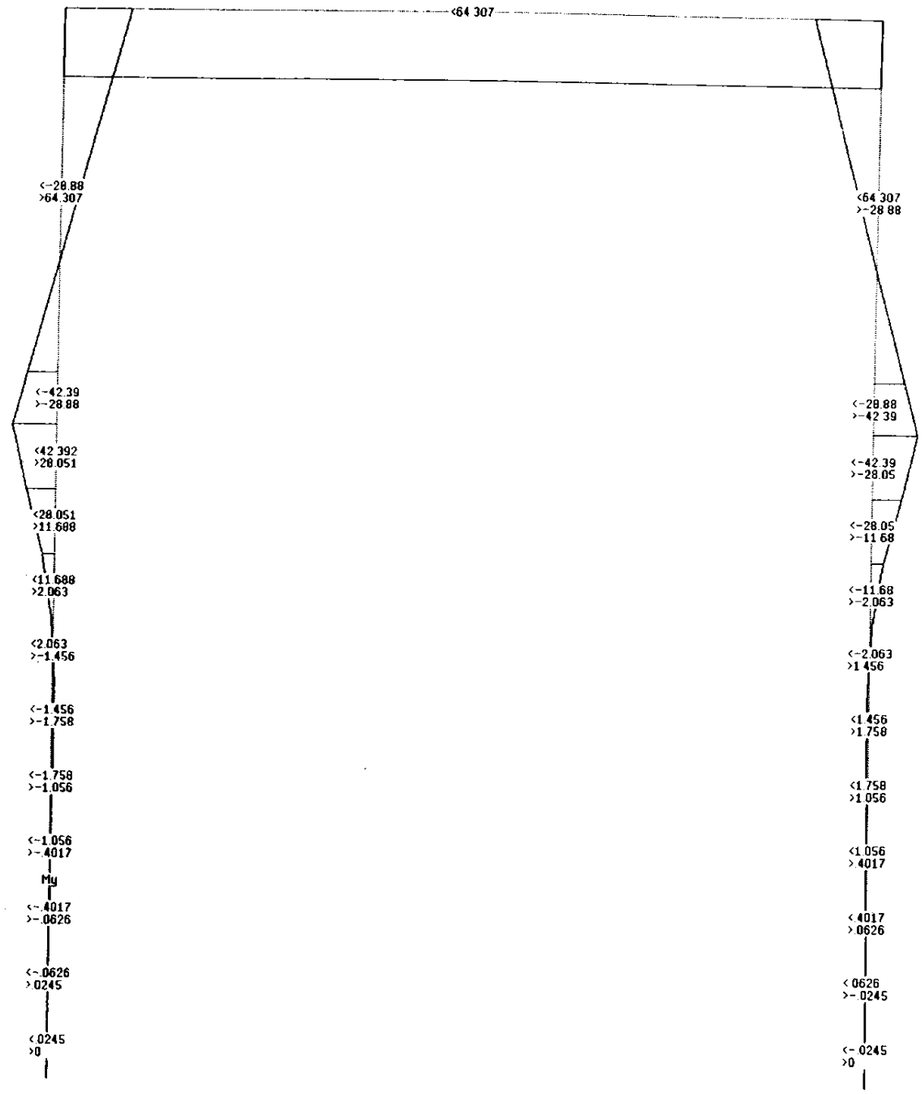
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
1	0	1.75E-12	13.506	-42.392
1	1.000	1.75E-12	13.506	-28.886
2	0	-1.74E-12	-13.506	-28.886
2	1.000	-1.74E-12	-13.506	-42.392
5	0	13.506	-1.75E-12	64.307
5	15.700	13.506	-1.75E-12	64.307
20	0	1.75E-12	13.506	-28.886
20	6.900	1.75E-12	13.506	64.307
21	0	-1.74E-12	-13.506	64.307
21	6.900	-1.74E-12	-13.506	-28.886
22	0	1.75E-12	-0.019739	0.024476
22	1.240	1.75E-12	-0.019739	2.45E-10
23	0	-1.74E-12	0.019739	-0.024476
23	1.240	-1.74E-12	0.019739	-2.45E-10
24	0	1.75E-12	0.070252	-0.062636
24	1.240	1.75E-12	0.070252	0.024476
25	0	-1.74E-12	-0.070252	0.062636
25	1.240	-1.74E-12	-0.070252	-0.024476
26	0	1.75E-12	0.273446	-0.401709
26	1.240	1.75E-12	0.273446	-0.062636
27	0	-1.74E-12	-0.273446	0.401709
27	1.240	-1.74E-12	-0.273446	0.062636
28	0	1.75E-12	0.528007	-1.056
28	1.240	1.75E-12	0.528007	-0.401709
29	0	-1.74E-12	-0.528007	1.056
29	1.240	-1.74E-12	-0.528007	0.401709
30	0	1.75E-12	0.565425	-1.758
30	1.240	1.75E-12	0.565425	-1.056
31	0	-1.74E-12	-0.565425	1.758
31	1.240	-1.74E-12	-0.565425	1.056
32	0	1.75E-12	-0.243241	-1.456
32	1.240	1.75E-12	-0.243241	-1.758
33	0	-1.74E-12	0.243241	1.456
33	1.240	-1.74E-12	0.243241	1.758
34	0	1.75E-12	-2.838	2.063
34	1.240	1.75E-12	-2.838	-1.456

ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
35	0	-1.74E-12	2.838	-2.063
35	1.240	-1.74E-12	2.838	1.456
36	0	1.75E-12	-7.762	11.688
36	1.240	1.75E-12	-7.762	2.063
37	0	-1.74E-12	7.762	-11.688
37	1.240	-1.74E-12	7.762	-2.063
38	0	1.75E-12	-13.195	28.051
38	1.240	1.75E-12	-13.195	11.688
39	0	-1.74E-12	13.195	-28.051
39	1.240	-1.74E-12	13.195	-11.688
40	0	1.75E-12	-11.566	42.392
40	1.240	1.75E-12	-11.566	28.051
41	0	-1.74E-12	11.566	-42.392
41	1.240	-1.74E-12	11.566	-28.051

Escala 1 : 113.4
Section force, Hipótesi 33 (Reológico empotrada.), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 2.00E-02
  min: -4.24E+01 max: 6.43E+01 [kNm]
- Text Moment My [kNm]



6.5 Pórtico. Estado Límite de Servicio

El cálculo de la envolvente de esfuerzos en servicio permite el dimensionamiento de la cimentación y los listados correspondientes se incluyen a continuación

Estos listados deben permitir la comprobación de los cálculos por personas ajenas al proyecto.

ENVOLVENTE: DT 'E.L.S.'

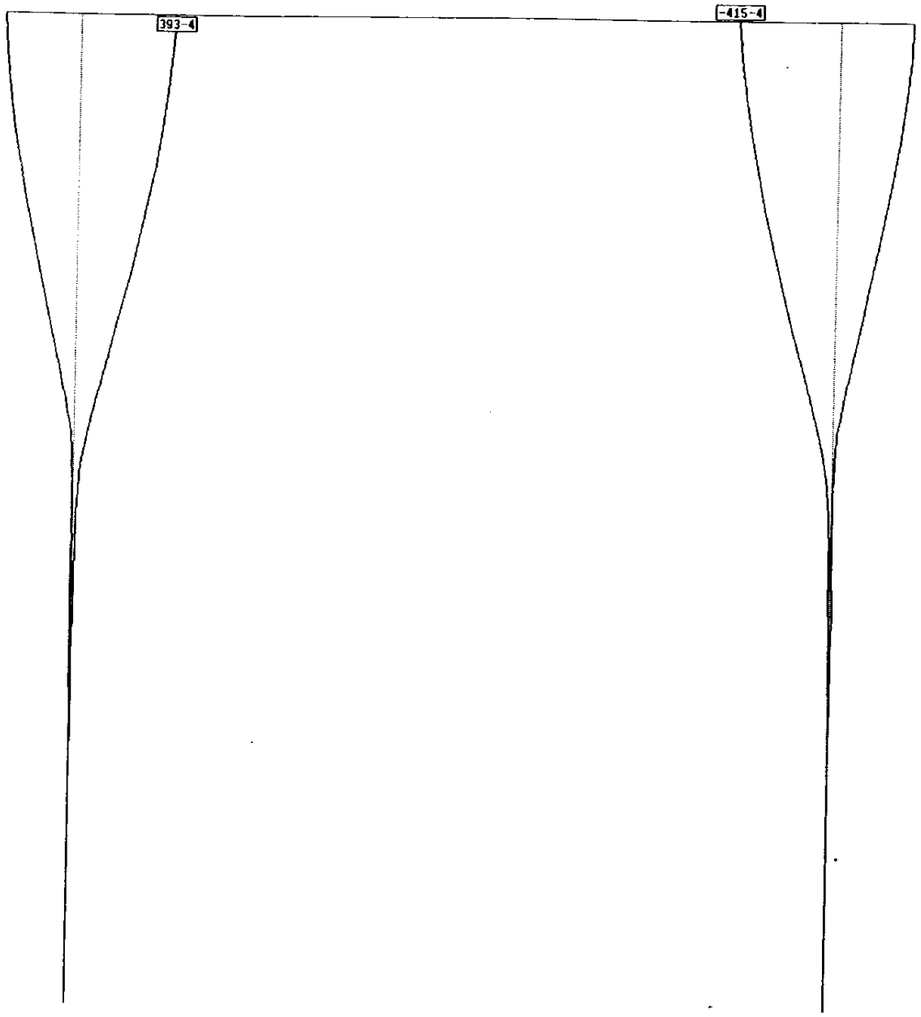
Grupo	Espe.	Hipótesis	Factor	Etapa	Título
A	PERM.	1	1.000	5	Peso propio. articulada.
	Y	14Z	1.000	5	Pretensado. articulada
	Y	15	1.000	5	Peso losa. articulada.
	Y	17	1.000	6	Carga muerta. empotrada.
B	MAS	18	1.000	6	SC uniforme. empotrada.
C	MAS	19	1.000	6	SC carro. empotrada.
D	MAS	20	1.000	6	Gradiente térmico. empotrada.
E	MAS	21	1.000	6	Empuje tierra lado1 arriba.emp
	Y	22	1.000	6	Empuje tierra lado2 arriba.emp
F	O	23	1.000	6	Empuje tierra lado1 abajo.emp.
	Y	24	1.000	6	Empuje tierra lado2 abajo.emp.
G	O	25	1.000	6	Empuje lado 1 servicio. emp.
	Y	26	1.000	6	Empuje lado2 servicio. emp.
H	O	25	1.000	6	Empuje lado 1 servicio. emp.
	Y	24	1.000	6	Empuje tierra lado2 abajo.emp.
I	O	26	1.000	6	Empuje lado2 servicio. emp.
	Y	23	1.000	6	Empuje tierra lado1 abajo.emp.
J	MAS	27	1.000	6	SC maquinaria lado 1. emp.
K	MAS	28	1.000	6	SC maquinaria lado2. emp.
L	MAS	32	1.500	6	Temp. unifor.empotrada
M	O	32	-1.500	6	Temp. unifor.empotrada

ALTERNATIVA PARA ENVOLVENTE:

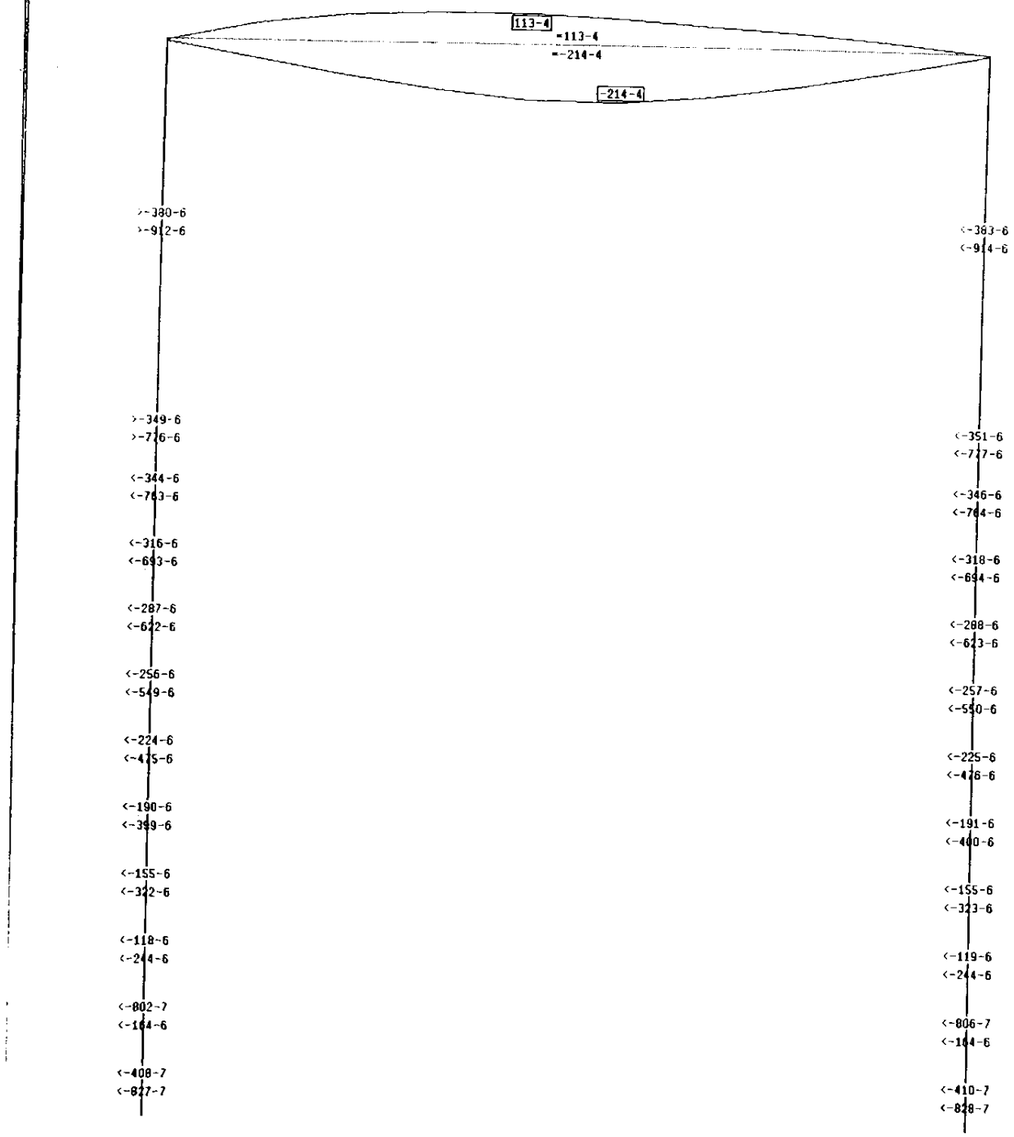
Grupo	Espe.	Hipótesis	Factor	Etapa	Título
N	PERM.	1	0.150000	5	Peso propio. articulada.
	Y	15	0.150000	5	Peso losa. articulada.
	Y	16	0.850000	6	Peso prop. losa+viga.emp.
	Y	142	0.127500	5	Pretensado. articulada
	Y	29Z	0.722500	6	Pretensado. empotrado.
O	MAS	17	1.000	6	Carga muerta. empotrada.
P	MAS	18	1.000	6	SC uniforme. empotrada.
Q	MAS	19	1.000	6	SC carro. empotrada.
R	MAS	20	1.000	6	Gradiente térmico. empotrada.
S	MAS	21	1.000	6	Empuje tierra lado1 arriba.emp
	Y	22	1.000	6	Empuje tierra lado2 arriba.emp
T	O	23	1.000	6	Empuje tierra lado1 abajo.emp.
	Y	24	1.000	6	Empuje tierra lado2 abajo.emp.
U	O	25	1.000	6	Empuje lado 1 servicio. emp.
	Y	26	1.000	6	Empuje lado2 servicio. emp.
V	O	24	1.000	6	Empuje tierra lado2 abajo.emp.
	Y	25	1.000	6	Empuje lado 1 servicio. emp.
W	O	23	1.000	6	Empuje tierra lado1 abajo.emp.
	Y	26	1.000	6	Empuje lado2 servicio. emp.
X	MAS	27	1.000	6	SC maquinaria lado 1. emp.
Y	MAS	28	1.000	6	SC maquinaria lado2. emp.
Z	MAS	32	1.000	6	Temp. unifor.empotrada
AA	O	32	-1.000	6	Temp. unifor.empotrada
AB	MAS	33	1.000	6	Reológico empotrada

(Z = Sólo parte hiperestático del pretensado)

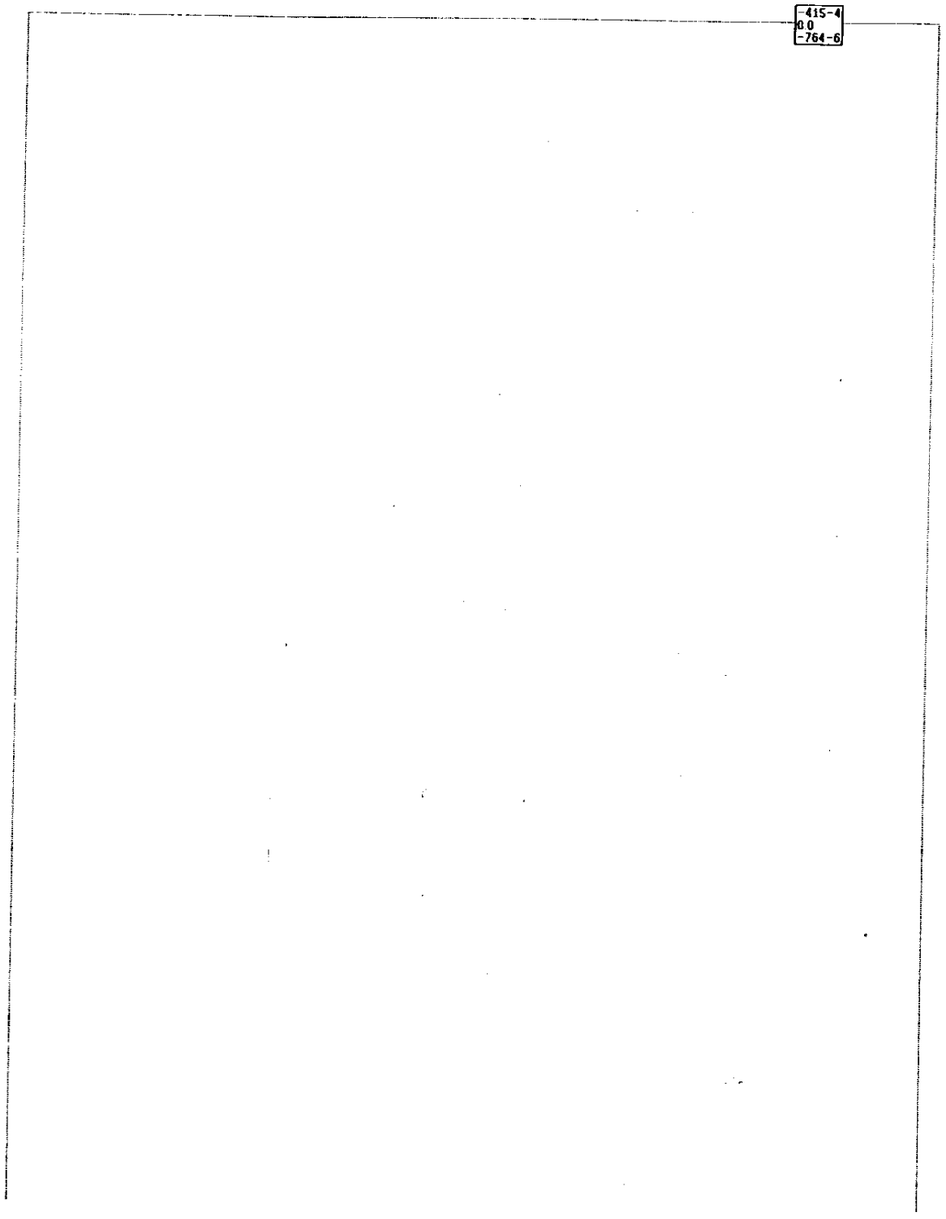
Escala 1 : 122.6
Displacements envelope DX [M], GWSP DT (E.L.S.), View "ALL"
- Struktur: Staebe
- Minimum displacements DX, Ueberh: 5.0E1
- Maximum displacements DX, Ueberh: 5.0E1
- Label minimum value DX-Min. [M]
- Label maximum value DX-Max. [M]



Escala 1 : 112.5
Displacements envelope DZ [M], GWSP DT (E.L.S.), View "ALL"
- Struktur: Staebe
- Minimum displacements DZ, Ueberh: 5.0E1
- Beschriftung Min.Verschiebungen DZ [M]
- Maximum displacements DZ, Ueberh: 5.0E1
- Beschriftung Max.Verschiebungen DZ [M]
- Label minimum value DZ-Min. [M]
- Label maximum value DZ-Max. [M]



Escala 1 : 102.4
Deformed structure, GWSP DT (E.L.S.), View "ALL"
- Struktur: Staebe
- V-Max , Text: Vx,Vy,Vz [M]



ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
1	0	-886.354	-99.374	265.634	A B C H J L
		-349.553	468.689	-114.206	N R W Y AA AB
1	0.111	-879.687	-106.768	254.180	A B C H J L
		-342.886	454.603	-62.913	N R W Y AA AB
1	0.222	-873.021	-113.993	241.914	A B C H J L
		-336.219	440.679	-13.177	N R W Y AA AB
1	0.333	-866.354	-121.051	228.854	A B C H J L
		-329.553	426.918	35.021	N R W Y AA AB
1	0.444	-859.687	-127.940	215.020	A B C H J L
		-322.886	413.318	81.700	N R W Y AA AB
1	0.556	-853.021	-134.661	200.429	A B C H J L
		-316.219	399.881	126.876	N R W Y AA AB
1	0.667	-846.354	-141.215	185.101	A B C H J L
		-309.553	386.606	170.568	N R W Y AA AB
1	0.778	-839.687	-147.600	169.055	A B C H J L
		-302.886	373.492	212.794	N R W Y AA AB
1	0.889	-833.021	-153.817	152.308	A B C H J L
		-296.219	360.541	253.572	N R W Y AA AB
1	1.000	-826.354	-159.866	134.879	A B C H J L
		-289.553	347.752	292.921	N R W Y AA AB
2	0	-827.538	125.566	109.445	N O P Q R W Y AA AB
		-291.920	-315.045	305.689	N V X Z
2	0.111	-834.204	119.517	123.062	N O P Q R W Y AA AB
		-298.587	-327.834	269.975	N V X Z
2	0.222	-840.871	113.300	135.998	N O P Q R W Y AA AB
		-305.254	-340.785	232.831	N V X Z
2	0.333	-847.538	106.914	148.233	N O P Q R W Y AA AB
		-311.920	-353.898	194.239	N V X Z
2	0.444	-854.204	100.361	159.750	N O P Q R W Y AA AB
		-318.587	-367.174	154.181	N V X Z
2	0.556	-860.871	93.640	170.529	N O P Q R W Y AA AB
		-325.254	-380.611	112.639	N V X Z
2	0.667	-867.538	86.750	180.553	N O P Q R W Y AA AB
		-331.920	-394.211	69.595	N V X Z
2	0.778	-874.204	79.693	189.801	N O P Q R W Y AA AB
		-338.587	-407.972	25.030	N V X Z
2	0.889	-880.871	72.467	198.256	N O P Q R W Y AA AB
		-345.254	-421.896	-21.072	N V X Z
2	1.000	-887.538	65.073	205.899	N O P Q R W Y AA AB
		-351.920	-435.981	-68.730	N V X Z
5	0	-378.266	521.935	-1028.847	A B C G J K L
		32.833	136.191	202.263	N R AA AB
5	1.744	-378.266	429.305	-199.155	A B C G J K L
		32.833	105.663	413.214	N R AA AB
5	3.489	-378.266	336.675	468.950	A B C G J K L
		32.833	75.136	570.911	N R AA AB
5	5.233	-378.266	244.045	975.467	A B C G J K L
		32.833	44.608	675.354	N R AA AB
5	6.848	-378.266	158.283	1300.367	A B C G J K L

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		32.833	16.344	724.576	N R AA AB
5	6.852	-378.266	53.017	1300.698	A B C G J K L
		32.833	16.289	724.627	N R AA AB
5	6.978	-378.266	46.315	1306.966	A B C G J K L
		32.833	14.080	726.543	N R AA AB
5	8.722	-378.266	-46.315	1306.966	A B C G J K L
		32.833	-16.448	724.478	N R AA AB
5	8.848	-378.266	-53.017	1300.698	A B C G J K L
		32.833	-18.656	722.263	N R AA AB
5	8.852	-378.266	-158.283	1300.367	A B C G J K L
		32.833	-18.711	722.204	N R AA AB
5	10.467	-378.266	-244.045	975.467	A B C G J K L
		32.833	-46.975	669.159	N R AA AB
5	12.211	-378.266	-336.675	468.950	A B C G J K L
		32.833	-77.503	560.586	N R AA AB
5	13.956	-378.266	-429.305	-199.155	A B C G J K L
		32.833	-108.031	398.759	N R AA AB
5	15.700	-378.266	-521.935	-1028.847	A B C G J K L
		32.833	-138.559	183.678	N R AA AB
20	0	-826.354	-159.866	134.879	A B C H J L
		-289.553	347.752	292.921	N R W Y AA AB
20	0.767	-796.269	-197.023	-2.439	A B C H J L
		-259.468	263.923	526.903	N R W Y AA AB
20	1.533	-767.347	-226.176	-165.177	A B C H J L
		-230.546	187.810	699.575	N R W Y AA AB
20	2.300	-739.588	-247.327	-347.197	A B C H J L
		-202.787	119.413	816.851	N R W Y AA AB
20	3.067	-712.993	-260.475	-542.366	A B C H J L
		-176.192	58.731	884.646	N R W Y AA AB
20	3.833	-687.561	-265.619	-744.547	A B C H J L
		-150.760	5.764	908.876	N R W Y AA AB
20	3.943	-684.022	-265.701	-773.644	A B C H J L
		-147.221	-1.172	909.126	N R W Y AA AB
20	4.600	-663.292	-265.701	-948.248	A B C H J L
		-126.490	-39.487	895.457	N R W Y AA AB
20	5.367	-640.186	-265.701	-1151.952	A B C H J L
		-103.385	-77.022	850.302	N R W Y AA AB
20	6.133	-618.243	-265.701	-1355.656	A B C H J L
		-81.442	-106.842	779.328	N R W Y AA AB
20	6.900	-597.464	-265.701	-1559.360	A B C H J L
		-60.663	-128.946	688.449	N R W Y AA AB
21	0	-598.647	231.401	-1348.122	N O P Q R W Y AA AB
		-63.030	161.654	475.537	N V X Z
21	0.767	-619.427	231.401	-1170.715	N O P Q R W Y AA AB
		-83.810	139.549	591.491	N V X Z
21	1.533	-641.369	231.401	-993.308	N O P Q R W Y AA AB
		-105.752	109.729	687.541	N V X Z
21	2.300	-664.475	231.401	-815.901	N O P Q R W Y AA AB
		-128.858	72.194	757.771	N V X Z

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
21	2.957	-685.206	231.401	-663.837	N O P Q R W Y AA AB
		-149.589	33.880	792.934	N V X Z
21	3.067	-688.744	231.319	-638.497	N O P Q R W Y AA AB
		-153.127	26.943	796.267	N V X Z
21	3.833	-714.177	226.174	-462.613	N O P Q R W Y AA AB
		-178.559	-26.024	797.112	N V X Z
21	4.600	-740.772	213.026	-293.741	N O P Q R W Y AA AB
		-205.155	-86.706	754.392	N V X Z
21	5.367	-768.531	191.876	-138.018	N O P Q R W Y AA AB
		-232.914	-155.103	662.192	N V X Z
21	6.133	-797.453	162.722	-1.577	N O P Q R W Y AA AB
		-261.835	-231.216	514.596	N V X Z
21	6.900	-827.538	125.566	109.445	N O P Q R W Y AA AB
		-291.920	-315.045	305.689	N V X Z
22	0	-1050.462	0.108380	-0.134391	A B C H J L
		-513.661	0.395659	-0.490617	N R W Y AA AB
22	0.138	-1052.488	0.108380	-0.119458	A B C H J L
		-515.687	0.395659	-0.436104	N R W Y AA AB
22	0.276	-1054.514	0.108380	-0.104526	A B C H J L
		-517.713	0.395659	-0.381591	N R W Y AA AB
22	0.413	-1056.540	0.108380	-0.089594	A B C H J L
		-519.739	0.395659	-0.327078	N R W Y AA AB
22	0.551	-1058.566	0.108380	-0.074661	A B C H J L
		-521.765	0.395659	-0.272565	N R W Y AA AB
22	0.689	-1060.592	0.108380	-0.059729	A B C H J L
		-523.791	0.395659	-0.218052	N R W Y AA AB
22	0.827	-1062.618	0.108380	-0.044797	A B C H J L
		-525.817	0.395659	-0.163539	N R W Y AA AB
22	0.964	-1064.644	0.108380	-0.029865	A B C H J L
		-527.843	0.395659	-0.109026	N R W Y AA AB
22	1.102	-1066.670	0.108380	-0.014932	A B C H J L
		-529.869	0.395659	-0.054513	N R W Y AA AB
22	1.240	-1068.696	0.108380	-1.34E-09	A B C H J L
		-531.895	0.395659	-4.91E-09	N R W Y AA AB
23	0	-1051.645	-0.096418	0.119558	N O P Q R W Y AA AB
		-516.028	-0.397918	0.493419	N V X Z
23	0.138	-1053.671	-0.096418	0.106274	N O P Q R W Y AA AB
		-518.054	-0.397918	0.438594	N V X Z
23	0.276	-1055.698	-0.096418	0.092990	N O P Q R W Y AA AB
		-520.080	-0.397918	0.383770	N V X Z
23	0.413	-1057.724	-0.096418	0.079706	N O P Q R W Y AA AB
		-522.106	-0.397918	0.328946	N V X Z
23	0.551	-1059.750	-0.096418	0.066421	N O P Q R W Y AA AB
		-524.132	-0.397918	0.274121	N V X Z
23	0.689	-1061.776	-0.096418	0.053137	N O P Q R W Y AA AB
		-526.158	-0.397918	0.219297	N V X Z
23	0.827	-1063.802	-0.096418	0.039853	N O P Q R W Y AA AB
		-528.184	-0.397918	0.164473	N V X Z
23	0.964	-1065.828	-0.096418	0.026569	N O P Q R W Y AA AB

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-530.210	-0.397918	0.109649	N V X Z
23	1.102	-1067.854	-0.096418	0.013284	N O P Q R W Y AA AB
		-532.236	-0.397918	0.054824	N V X Z
23	1.240	-1069.880	-0.096418	1.20E-09	N O P Q R W Y AA AB
		-534.262	-0.397918	4.93E-09	N V X Z
24	0	-1032.227	-0.483507	0.465158	A B C H J L
		-495.426	1.459	-2.300	N R W Y AA AB
24	0.138	-1034.253	-0.483507	0.398541	A B C H J L
		-497.452	1.459	-2.099	N R W Y AA AB
24	0.276	-1036.280	-0.483507	0.331925	A B C H J L
		-499.478	1.459	-1.898	N R W Y AA AB
24	0.413	-1038.306	-0.483507	0.265308	A B C H J L
		-501.504	1.459	-1.697	N R W Y AA AB
24	0.551	-1040.332	-0.483507	0.198692	A B C H J L
		-503.531	1.459	-1.496	N R W Y AA AB
24	0.689	-1042.358	-0.483507	0.132075	A B C H J L
		-505.557	1.459	-1.295	N R W Y AA AB
24	0.827	-1044.384	-0.483507	0.065459	A B C H J L
		-507.583	1.459	-1.094	N R W Y AA AB
24	0.964	-1046.410	-0.483507	-0.001158	A B C H J L
		-509.609	1.459	-0.892662	N R W Y AA AB
24	1.102	-1048.436	-0.483507	-0.067774	A B C H J L
		-511.635	1.459	-0.691640	N R W Y AA AB
24	1.240	-1050.462	-0.483507	-0.134391	A B C H J L
		-513.661	1.459	-0.490617	N R W Y AA AB
25	0	-1033.411	0.339667	-0.301629	N O P Q R W Y AA AB
		-497.794	-1.330	2.143	N V X Z
25	0.138	-1035.437	0.339667	-0.254830	N O P Q R W Y AA AB
		-499.820	-1.330	1.960	N V X Z
25	0.276	-1037.463	0.339667	-0.208032	N O P Q R W Y AA AB
		-501.846	-1.330	1.776	N V X Z
25	0.413	-1039.489	0.339667	-0.161233	N O P Q R W Y AA AB
		-503.872	-1.330	1.593	N V X Z
25	0.551	-1041.515	0.339667	-0.114434	N O P Q R W Y AA AB
		-505.898	-1.330	1.410	N V X Z
25	0.689	-1043.541	0.339667	-0.067636	N O P Q R W Y AA AB
		-507.924	-1.330	1.226	N V X Z
25	0.827	-1045.567	0.339667	-0.020837	N O P Q R W Y AA AB
		-509.950	-1.330	1.043	N V X Z
25	0.964	-1047.593	0.339667	0.025961	N O P Q R W Y AA AB
		-511.976	-1.330	0.859951	N V X Z
25	1.102	-1049.619	0.339667	0.072760	N O P Q R W Y AA AB
		-514.002	-1.330	0.676685	N V X Z
25	1.240	-1051.645	0.339667	0.119558	N O P Q R W Y AA AB
		-516.028	-1.330	0.493419	N V X Z
26	0	-1013.993	-1.783	2.676	A B C H J L
		-477.192	2.770	-5.735	N R W Y AA AB
26	0.138	-1016.019	-1.783	2.430	A B C H J L

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-479.218	2.770	-5.353	N R W Y AA AB
26	0.276	-1018.045	-1.783	2.185	A B C H J L
		-481.244	2.770	-4.972	N R W Y AA AB
26	0.413	-1020.071	-1.783	1.939	A B C H J L
		-483.270	2.770	-4.590	N R W Y AA AB
26	0.551	-1022.097	-1.783	1.693	A B C H J L
		-485.296	2.770	-4.208	N R W Y AA AB
26	0.689	-1024.123	-1.783	1.448	A B C H J L
		-487.322	2.770	-3.827	N R W Y AA AB
26	0.827	-1026.149	-1.783	1.202	A B C H J L
		-489.348	2.770	-3.445	N R W Y AA AB
26	0.964	-1028.175	-1.783	0.956415	A B C H J L
		-491.374	2.770	-3.063	N R W Y AA AB
26	1.102	-1030.201	-1.783	0.710786	A B C H J L
		-493.400	2.770	-2.681	N R W Y AA AB
26	1.240	-1032.227	-1.783	0.465158	A B C H J L
		-495.426	2.770	-2.300	N R W Y AA AB
27	0	-1015.177	1.326	-1.945	N O P Q R W Y AA AB
		-479.560	-2.391	5.108	N V X Z
27	0.138	-1017.203	1.326	-1.763	N O P Q R W Y AA AB
		-481.586	-2.391	4.778	N V X Z
27	0.276	-1019.229	1.326	-1.580	N O P Q R W Y AA AB
		-483.612	-2.391	4.449	N V X Z
27	0.413	-1021.255	1.326	-1.397	N O P Q R W Y AA AB
		-485.638	-2.391	4.120	N V X Z
27	0.551	-1023.281	1.326	-1.215	N O P Q R W Y AA AB
		-487.664	-2.391	3.790	N V X Z
27	0.689	-1025.307	1.326	-1.032	N O P Q R W Y AA AB
		-489.690	-2.391	3.461	N V X Z
27	0.827	-1027.333	1.326	-0.849564	N O P Q R W Y AA AB
		-491.716	-2.391	3.131	N V X Z
27	0.964	-1029.359	1.326	-0.666919	N O P Q R W Y AA AB
		-493.742	-2.391	2.802	N V X Z
27	1.102	-1031.385	1.326	-0.484274	N O P Q R W Y AA AB
		-495.768	-2.391	2.472	N V X Z
27	1.240	-1033.411	1.326	-0.301629	N O P Q R W Y AA AB
		-497.794	-2.391	2.143	N V X Z
28	0	-995.759	-3.356	6.837	A B C H J L
		-458.958	2.810	-9.219	N R W Y AA AB
28	0.138	-997.785	-3.356	6.375	A B C H J L
		-460.984	2.810	-8.832	N R W Y AA AB
28	0.276	-999.811	-3.356	5.912	A B C H J L
		-463.010	2.810	-8.445	N R W Y AA AB
28	0.413	-1001.837	-3.356	5.450	A B C H J L
		-465.036	2.810	-8.058	N R W Y AA AB
28	0.551	-1003.863	-3.356	4.988	A B C H J L
		-467.062	2.810	-7.671	N R W Y AA AB
28	0.689	-1005.889	-3.356	4.525	A B C H J L
		-469.088	2.810	-7.284	N R W Y AA AB

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
28	0.827	-1007.915	-3.356	4.063	A B C H J L
		-471.114	2.810	-6.896	N R W Y AA AB
28	0.964	-1009.941	-3.356	3.601	A B C H J L
		-473.140	2.810	-6.509	N R W Y AA AB
28	1.102	-1011.967	-3.356	3.138	A B C H J L
		-475.166	2.810	-6.122	N R W Y AA AB
28	1.240	-1013.993	-3.356	2.676	A B C H J L
		-477.192	2.810	-5.735	N R W Y AA AB
29	0	-996.943	2.563	-5.123	N O P Q R W Y AA AB
		-461.326	-2.185	7.817	N V X Z
29	0.138	-998.969	2.563	-4.770	N O P Q R W Y AA AB
		-463.352	-2.185	7.516	N V X Z
29	0.276	-1000.995	2.563	-4.417	N O P Q R W Y AA AB
		-465.378	-2.185	7.215	N V X Z
29	0.413	-1003.021	2.563	-4.064	N O P Q R W Y AA AB
		-467.404	-2.185	6.914	N V X Z
29	0.551	-1005.047	2.563	-3.711	N O P Q R W Y AA AB
		-469.430	-2.185	6.613	N V X Z
29	0.689	-1007.073	2.563	-3.358	N O P Q R W Y AA AB
		-471.456	-2.185	6.312	N V X Z
29	0.827	-1009.099	2.563	-3.005	N O P Q R W Y AA AB
		-473.482	-2.185	6.011	N V X Z
29	0.964	-1011.125	2.563	-2.652	N O P Q R W Y AA AB
		-475.508	-2.185	5.710	N V X Z
29	1.102	-1013.151	2.563	-2.299	N O P Q R W Y AA AB
		-477.534	-2.185	5.409	N V X Z
29	1.240	-1015.177	2.563	-1.945	N O P Q R W Y AA AB
		-479.560	-2.185	5.108	N V X Z
30	0	-977.525	-3.429	11.089	A B C H J L
		-440.724	-1.816	-6.967	N R W Y AA AB
30	0.138	-979.551	-3.429	10.617	A B C H J L
		-442.750	-1.816	-7.218	N R W Y AA AB
30	0.276	-981.577	-3.429	10.144	A B C H J L
		-444.776	-1.816	-7.468	N R W Y AA AB
30	0.413	-983.603	-3.429	9.672	A B C H J L
		-446.802	-1.816	-7.718	N R W Y AA AB
30	0.551	-985.629	-3.429	9.199	A B C H J L
		-448.828	-1.816	-7.968	N R W Y AA AB
30	0.689	-987.655	-3.429	8.727	A B C H J L
		-450.854	-1.816	-8.218	N R W Y AA AB
30	0.827	-989.681	-3.429	8.254	A B C H J L
		-452.880	-1.816	-8.469	N R W Y AA AB
30	0.964	-991.707	-3.429	7.782	A B C H J L
		-454.906	-1.816	-8.719	N R W Y AA AB
30	1.102	-993.733	-3.429	7.310	A B C H J L
		-456.932	-1.816	-8.969	N R W Y AA AB
30	1.240	-995.759	-3.429	6.837	A B C H J L
		-458.958	-1.816	-9.219	N R W Y AA AB

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
31	0	-978.709	2.750	-8.534	N O P Q R W Y AA AB
		-443.091	2.282	4.988	N V X Z
31	0.138	-980.735	2.750	-8.155	N O P Q R W Y AA AB
		-445.117	2.282	5.302	N V X Z
31	0.276	-982.761	2.750	-7.776	N O P Q R W Y AA AB
		-447.143	2.282	5.617	N V X Z
31	0.413	-984.787	2.750	-7.397	N O P Q R W Y AA AB
		-449.169	2.282	5.931	N V X Z
31	0.551	-986.813	2.750	-7.018	N O P Q R W Y AA AB
		-451.196	2.282	6.245	N V X Z
31	0.689	-988.839	2.750	-6.639	N O P Q R W Y AA AB
		-453.222	2.282	6.560	N V X Z
31	0.827	-990.865	2.750	-6.260	N O P Q R W Y AA AB
		-455.248	2.282	6.874	N V X Z
31	0.964	-992.891	2.750	-5.881	N O P Q R W Y AA AB
		-457.274	2.282	7.189	N V X Z
31	1.102	-994.917	2.750	-5.502	N O P Q R W Y AA AB
		-459.300	2.282	7.503	N V X Z
31	1.240	-996.943	2.750	-5.123	N O P Q R W Y AA AB
		-461.326	2.282	7.817	N V X Z
32	0	-959.291	2.047	8.551	A B C H J L
		-422.490	-15.992	12.862	N R W Y AA AB
32	0.138	-961.317	2.047	8.833	A B C H J L
		-424.516	-15.992	10.659	N R W Y AA AB
32	0.276	-963.343	2.047	9.115	A B C H J L
		-426.542	-15.992	8.456	N R W Y AA AB
32	0.413	-965.369	2.047	9.397	A B C H J L
		-428.568	-15.992	6.252	N R W Y AA AB
32	0.551	-967.395	2.047	9.679	A B C H J L
		-430.594	-15.992	4.049	N R W Y AA AB
32	0.689	-969.421	2.047	9.961	A B C H J L
		-432.620	-15.992	1.846	N R W Y AA AB
32	0.827	-971.447	2.047	10.243	A B C H J L
		-434.646	-15.992	-0.357445	N R W Y AA AB
32	0.964	-973.473	2.047	10.525	A B C H J L
		-436.672	-15.992	-2.561	N R W Y AA AB
32	1.102	-975.499	2.047	10.807	A B C H J L
		-438.698	-15.992	-4.764	N R W Y AA AB
32	1.240	-977.525	2.047	11.089	A B C H J L
		-440.724	-15.992	-6.967	N R W Y AA AB
33	0	-960.474	-1.163	-7.092	N O P Q R W Y AA AB
		-424.857	15.084	-13.717	N V X Z
33	0.138	-962.500	-1.163	-7.252	N O P Q R W Y AA AB
		-426.883	15.084	-11.639	N V X Z
33	0.276	-964.527	-1.163	-7.412	N O P Q R W Y AA AB
		-428.909	15.084	-9.560	N V X Z
33	0.413	-966.553	-1.163	-7.573	N O P Q R W Y AA AB
		-430.935	15.084	-7.482	N V X Z
33	0.551	-968.579	-1.163	-7.733	N O P Q R W Y AA AB

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-432.961	15.084	-5.404	N V X Z
33	0.689	-970.605	-1.163	-7.893	N O P Q R W Y AA AB
		-434.987	15.084	-3.325	N V X Z
33	0.827	-972.631	-1.163	-8.053	N O P Q R W Y AA AB
		-437.013	15.084	-1.247	N V X Z
33	0.964	-974.657	-1.163	-8.213	N O P Q R W Y AA AB
		-439.039	15.084	0.831277	N V X Z
33	1.102	-976.683	-1.163	-8.374	N O P Q R W Y AA AB
		-441.065	15.084	2.910	N V X Z
33	1.240	-978.709	-1.163	-8.534	N O P Q R W Y AA AB
		-443.091	15.084	4.988	N V X Z
34	0	-941.056	18.958	-14.957	A B C H J L
		-404.255	-42.103	65.070	N R W Y AA AB
34	0.138	-943.082	18.958	-12.345	A B C H J L
		-406.281	-42.103	59.270	N R W Y AA AB
34	0.276	-945.109	18.958	-9.733	A B C H J L
		-408.307	-42.103	53.469	N R W Y AA AB
34	0.413	-947.135	18.958	-7.121	A B C H J L
		-410.333	-42.103	47.668	N R W Y AA AB
34	0.551	-949.161	18.958	-4.509	A B C H J L
		-412.360	-42.103	41.867	N R W Y AA AB
34	0.689	-951.187	18.958	-1.897	A B C H J L
		-414.386	-42.103	36.066	N R W Y AA AB
34	0.827	-953.213	18.958	0.714671	A B C H J L
		-416.412	-42.103	30.265	N R W Y AA AB
34	0.964	-955.239	18.958	3.327	A B C H J L
		-418.438	-42.103	24.464	N R W Y AA AB
34	1.102	-957.265	18.958	5.939	A B C H J L
		-420.464	-42.103	18.663	N R W Y AA AB
34	1.240	-959.291	18.958	8.551	A B C H J L
		-422.490	-42.103	12.862	N R W Y AA AB
35	0	-942.240	-13.742	9.948	N O P Q R W Y AA AB
		-406.623	37.607	-60.349	N V X Z
35	0.138	-944.266	-13.742	8.055	N O P Q R W Y AA AB
		-408.649	37.607	-55.168	N V X Z
35	0.276	-946.292	-13.742	6.162	N O P Q R W Y AA AB
		-410.675	37.607	-49.986	N V X Z
35	0.413	-948.318	-13.742	4.268	N O P Q R W Y AA AB
		-412.701	37.607	-44.805	N V X Z
35	0.551	-950.344	-13.742	2.375	N O P Q R W Y AA AB
		-414.727	37.607	-39.624	N V X Z
35	0.689	-952.370	-13.742	0.481471	N O P Q R W Y AA AB
		-416.753	37.607	-34.442	N V X Z
35	0.827	-954.396	-13.742	-1.412	N O P Q R W Y AA AB
		-418.779	37.607	-29.261	N V X Z
35	0.964	-956.422	-13.742	-3.305	N O P Q R W Y AA AB
		-420.805	37.607	-24.080	N V X Z
35	1.102	-958.448	-13.742	-5.199	N O P Q R W Y AA AB
		-422.831	37.607	-18.898	N V X Z

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
35	1.240	-960.474	-13.742	-7.092	N O P Q R W Y AA AB
		-424.857	37.607	-13.717	N V X Z
36	0	-922.822	50.292	-77.319	A B C H J L
		-386.021	-69.360	151.076	N R W Y AA AB
36	0.138	-924.848	50.292	-70.390	A B C H J L
		-388.047	-69.360	141.520	N R W Y AA AB
36	0.276	-926.874	50.292	-63.461	A B C H J L
		-390.073	-69.360	131.964	N R W Y AA AB
36	0.413	-928.900	50.292	-56.532	A B C H J L
		-392.099	-69.360	122.408	N R W Y AA AB
36	0.551	-930.926	50.292	-49.603	A B C H J L
		-394.125	-69.360	112.851	N R W Y AA AB
36	0.689	-932.952	50.292	-42.674	A B C H J L
		-396.151	-69.360	103.295	N R W Y AA AB
36	0.827	-934.978	50.292	-35.745	A B C H J L
		-398.177	-69.360	93.739	N R W Y AA AB
36	0.964	-937.004	50.292	-28.815	A B C H J L
		-400.203	-69.360	84.183	N R W Y AA AB
36	1.102	-939.030	50.292	-21.886	A B C H J L
		-402.229	-69.360	74.627	N R W Y AA AB
36	1.240	-941.056	50.292	-14.957	A B C H J L
		-404.255	-69.360	65.070	N R W Y AA AB
37	0	-924.006	-37.642	56.625	N O P Q R W Y AA AB
		-388.389	58.991	-133.498	N V X Z
37	0.138	-926.032	-37.642	51.439	N O P Q R W Y AA AB
		-390.415	58.991	-125.370	N V X Z
37	0.276	-928.058	-37.642	46.252	N O P Q R W Y AA AB
		-392.441	58.991	-117.243	N V X Z
37	0.413	-930.084	-37.642	41.066	N O P Q R W Y AA AB
		-394.467	58.991	-109.115	N V X Z
37	0.551	-932.110	-37.642	35.880	N O P Q R W Y AA AB
		-396.493	58.991	-100.987	N V X Z
37	0.689	-934.136	-37.642	30.693	N O P Q R W Y AA AB
		-398.519	58.991	-92.860	N V X Z
37	0.827	-936.162	-37.642	25.507	N O P Q R W Y AA AB
		-400.545	58.991	-84.732	N V X Z
37	0.964	-938.188	-37.642	20.321	N O P Q R W Y AA AB
		-402.571	58.991	-76.604	N V X Z
37	1.102	-940.214	-37.642	15.135	N O P Q R W Y AA AB
		-404.597	58.991	-68.477	N V X Z
37	1.240	-942.240	-37.642	9.948	N O P Q R W Y AA AB
		-406.623	58.991	-60.349	N V X Z
38	0	-904.588	83.380	-180.711	A B C H J L
		-367.787	-55.974	220.484	N R W Y AA AB
38	0.138	-906.614	83.380	-169.223	A B C H J L
		-369.813	-55.974	212.772	N R W Y AA AB
38	0.276	-908.640	83.380	-157.735	A B C H J L
		-371.839	-55.974	205.060	N R W Y AA AB

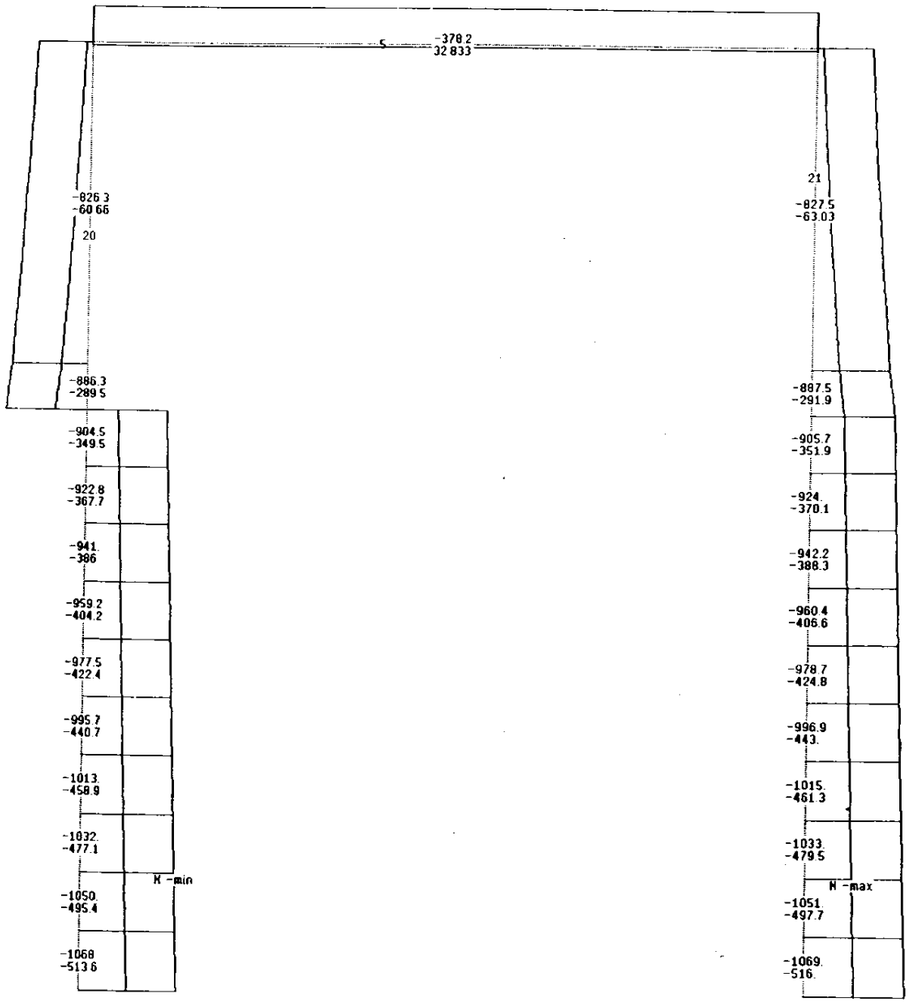
ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
38	0.413	-910.666	83.380	-146.247	A B C H J L
		-373.865	-55.974	197.348	N R W Y AA AB
38	0.551	-912.692	83.380	-134.759	A B C H J L
		-375.891	-55.974	189.636	N R W Y AA AB
38	0.689	-914.718	83.380	-123.271	A B C H J L
		-377.917	-55.974	181.924	N R W Y AA AB
38	0.827	-916.744	83.380	-111.783	A B C H J L
		-379.943	-55.974	174.212	N R W Y AA AB
38	0.964	-918.770	83.380	-100.295	A B C H J L
		-381.969	-55.974	166.500	N R W Y AA AB
38	1.102	-920.796	83.380	-88.807	A B C H J L
		-383.995	-55.974	158.788	N R W Y AA AB
38	1.240	-922.822	83.380	-77.319	A B C H J L
		-386.021	-55.974	151.076	N R W Y AA AB
39	0	-905.772	-64.065	136.066	N O P Q R W Y AA AB
		-370.155	40.958	-184.285	N V X Z
39	0.138	-907.798	-64.065	127.239	N O P Q R W Y AA AB
		-372.181	40.958	-178.642	N V X Z
39	0.276	-909.824	-64.065	118.412	N O P Q R W Y AA AB
		-374.207	40.958	-172.999	N V X Z
39	0.413	-911.850	-64.065	109.586	N O P Q R W Y AA AB
		-376.233	40.958	-167.356	N V X Z
39	0.551	-913.876	-64.065	100.759	N O P Q R W Y AA AB
		-378.259	40.958	-161.713	N V X Z
39	0.689	-915.902	-64.065	91.932	N O P Q R W Y AA AB
		-380.285	40.958	-156.070	N V X Z
39	0.827	-917.928	-64.065	83.105	N O P Q R W Y AA AB
		-382.311	40.958	-150.427	N V X Z
39	0.964	-919.954	-64.065	74.278	N O P Q R W Y AA AB
		-384.337	40.958	-144.784	N V X Z
39	1.102	-921.980	-64.065	65.452	N O P Q R W Y AA AB
		-386.363	40.958	-139.141	N V X Z
39	1.240	-924.006	-64.065	56.625	N O P Q R W Y AA AB
		-388.389	40.958	-133.498	N V X Z
40	0	-886.354	68.486	-265.634	A B C H J L
		-349.553	85.708	114.206	N R W Y AA AB
40	0.138	-888.380	68.486	-256.198	A B C H J L
		-351.579	85.708	126.014	N R W Y AA AB
40	0.276	-890.406	68.486	-246.762	A B C H J L
		-353.605	85.708	137.823	N R W Y AA AB
40	0.413	-892.432	68.486	-237.326	A B C H J L
		-355.631	85.708	149.632	N R W Y AA AB
40	0.551	-894.458	68.486	-227.890	A B C H J L
		-357.657	85.708	161.440	N R W Y AA AB
40	0.689	-896.484	68.486	-218.454	A B C H J L
		-359.683	85.708	173.249	N R W Y AA AB
40	0.827	-898.510	68.486	-209.018	A B C H J L
		-361.709	85.708	185.058	N R W Y AA AB
40	0.964	-900.536	68.486	-199.582	A B C H J L

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-363.735	85.708	196.866	N R W Y AA AB
40	1.102	-902.562	68.486	-190.146	A B C H J L
		-365.761	85.708	208.675	N R W Y AA AB
40	1.240	-904.588	68.486	-180.711	A B C H J L
		-367.787	85.708	220.484	N R W Y AA AB
41	0	-887.538	-56.317	205.899	N O P Q R W Y AA AB
		-351.920	-93.190	-68.730	N V X Z
41	0.138	-889.564	-56.317	198.140	N O P Q R W Y AA AB
		-353.946	-93.190	-81.570	N V X Z
41	0.276	-891.590	-56.317	190.380	N O P Q R W Y AA AB
		-355.972	-93.190	-94.409	N V X Z
41	0.413	-893.616	-56.317	182.621	N O P Q R W Y AA AB
		-357.998	-93.190	-107.249	N V X Z
41	0.551	-895.642	-56.317	174.862	N O P Q R W Y AA AB
		-360.025	-93.190	-120.088	N V X Z
41	0.689	-897.668	-56.317	167.103	N O P Q R W Y AA AB
		-362.051	-93.190	-132.928	N V X Z
41	0.827	-899.694	-56.317	159.343	N O P Q R W Y AA AB
		-364.077	-93.190	-145.767	N V X Z
41	0.964	-901.720	-56.317	151.584	N O P Q R W Y AA AB
		-366.103	-93.190	-158.606	N V X Z
41	1.102	-903.746	-56.317	143.825	N O P Q R W Y AA AB
		-368.129	-93.190	-171.446	N V X Z
41	1.240	-905.772	-56.317	136.066	N O P Q R W Y AA AB
		-370.155	-93.190	-184.285	N V X Z

Escala 1 : 127.9
Section forces envelope N , GWSP DT (E.L.S.), View "ALL"
- Struktur: Staebe
- Envelop Normal force N-min, Scaling 2.00E-03
  min: -1.07E+03 max: -3.78E+02 [kN]
- Envelop Normal force N-max, Scaling 2.00E-03
  min: -5.34E+02 max: 3.28E+01 [kN]
- Text envelopes [kN]



ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
1	0	-825.979	-126.166	7.110	A B C J L
		-349.553	468.689	-114.206	N R W Y AA AB
1	0.111	-819.312	-126.166	-6.909	A B C J L
		-342.886	454.603	-62.913	N R W Y AA AB
1	0.222	-812.645	-126.166	-20.927	A B C J L
		-336.219	440.679	-13.177	N R W Y AA AB
1	0.333	-805.979	-126.166	-34.946	A B C J L
		-329.553	426.918	35.021	N R W Y AA AB
1	0.444	-859.687	-127.940	215.020	A B C H J L
		-322.886	413.318	81.700	N R W Y AA AB
1	0.556	-853.021	-134.661	200.429	A B C H J L
		-316.219	399.881	126.876	N R W Y AA AB
1	0.667	-846.354	-141.215	185.101	A B C H J L
		-309.553	386.606	170.568	N R W Y AA AB
1	0.778	-839.687	-147.600	169.055	A B C H J L
		-302.886	373.492	212.794	N R W Y AA AB
1	0.889	-833.021	-153.817	152.308	A B C H J L
		-296.219	360.541	253.572	N R W Y AA AB
1	1.000	-826.354	-159.866	134.879	A B C H J L
		-289.553	347.752	292.921	N R W Y AA AB
2	0	-291.920	-347.752	274.335	N R V X AA AB
		-826.354	159.866	134.879	A B C I K L
2	0.111	-298.587	-360.541	234.987	N R V X AA AB
		-833.021	153.817	152.308	A B C I K L
2	0.222	-305.254	-373.492	194.209	N R V X AA AB
		-839.687	147.600	169.055	A B C I K L
2	0.333	-311.920	-386.606	151.983	N R V X AA AB
		-846.354	141.215	185.101	A B C I K L
2	0.444	-318.587	-399.881	108.290	N R V X AA AB
		-853.021	134.662	200.429	A B C I K L
2	0.556	-325.254	-413.318	63.114	N R V X AA AB
		-859.687	127.940	215.020	A B C I K L
2	0.667	-331.920	-426.918	16.436	N R V X AA AB
		-805.979	126.166	-34.946	A B C K L
2	0.778	-338.587	-440.679	-31.763	N R V X AA AB
		-812.645	126.166	-20.927	A B C K L
2	0.889	-345.254	-454.603	-81.499	N R V X AA AB
		-819.312	126.166	-6.909	A B C K L
2	1.000	-351.920	-468.689	-132.791	N R V X AA AB
		-825.979	126.166	7.110	A B C K L
5	0	-128.946	60.663	688.449	N R W Y AA AB
		-265.701	597.464	-1559.360	A B C H J L
5	1.744	-128.946	30.135	767.645	N R W Y AA AB
		-265.701	504.834	-597.912	A B C H J L
5	3.489	-128.946	-0.392979	793.586	N R W Y AA AB
		-265.701	412.204	201.949	A B C H J L
5	5.233	-128.946	-30.921	766.274	N R W Y AA AB
		-265.701	319.574	840.221	A B C H J L
5	6.848	-128.946	-59.185	693.509	N R W Y AA AB

ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-265.701	233.812	1287.107	A B C H J L
5	6.852	-128.946	-59.240	693.323	N R W Y AA AB
		-265.701	128.545	1287.676	A B C H J L
5	6.978	-128.946	-61.449	685.707	N R W Y AA AB
		-265.701	121.844	1303.476	A B C H J L
5	8.722	-194.835	-123.027	1100.047	N O P R W Y AA AB
		-198.220	59.081	912.243	N Q V X Z
5	8.848	-194.835	-129.729	1084.097	N O P R W Y AA AB
		-198.220	56.872	919.560	N Q V X Z
5	8.852	-231.401	-234.996	1506.452	N O P Q R W Y AA AB
		-161.654	56.817	496.811	N V X Z
5	10.467	-231.401	-320.757	1057.654	N O P Q R W Y AA AB
		-161.654	28.553	565.752	N V X Z
5	12.211	-231.401	-413.387	417.316	N O P Q R W Y AA AB
		-161.654	-1.975	588.934	N V X Z
5	13.956	-231.401	-506.017	-384.609	N O P Q R W Y AA AB
		-161.654	-32.502	558.863	N V X Z
5	15.700	-231.401	-598.647	-1348.122	N O P Q R W Y AA AB
		-161.654	-63.030	475.537	N V X Z
20	0	-826.354	-159.866	134.879	A B C H J L
		-289.553	347.752	292.921	N R W Y AA AB
20	0.767	-796.269	-197.023	-2.439	A B C H J L
		-259.468	263.923	526.903	N R W Y AA AB
20	1.533	-767.347	-226.176	-165.177	A B C H J L
		-230.546	187.810	699.575	N R W Y AA AB
20	2.300	-739.588	-247.327	-347.197	A B C H J L
		-202.787	119.413	816.851	N R W Y AA AB
20	3.067	-712.993	-260.475	-542.366	A B C H J L
		-176.192	58.731	884.646	N R W Y AA AB
20	3.833	-687.561	-265.619	-744.547	A B C H J L
		-211.135	41.255	230.823	N R Y AA AB
20	3.943	-684.022	-265.701	-773.644	A B C H J L
		-207.597	40.160	235.282	N R Y AA AB
20	4.600	-602.916	-289.561	-381.172	A B C G J L
		-186.866	33.588	259.513	N R Y AA AB
20	5.367	-564.657	-326.342	-484.705	A B C G J K L
		-178.913	32.833	151.919	N R AA AB
20	6.133	-542.714	-356.161	-746.824	A B C G J K L
		-156.971	32.833	177.091	N R AA AB
20	6.900	-521.935	-378.266	-1028.847	A B C G J K L
		-136.191	32.833	202.263	N R AA AB
21	0	-138.559	-32.833	183.678	N R AA AB
		-521.935	378.266	-1028.847	A B C G J K L
21	0.767	-159.338	-32.833	158.506	N R AA AB
		-542.714	356.162	-746.824	A B C G J K L
21	1.533	-181.281	-32.833	133.333	N R AA AB
		-564.657	326.342	-484.705	A B C G J K L
21	2.300	-189.233	-33.588	240.928	N R X AA AB
		-602.916	289.561	-381.172	A B C G K L

ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
21	2.957	-209.964	-40.160	216.696	N R X AA AB
		-684.022	265.701	-773.644	A B C I K L
21	3.067	-213.502	-41.255	212.238	N R X AA AB
		-687.561	265.619	-744.547	A B C I K L
21	3.833	-178.559	-58.731	866.061	N R V X AA AB
		-712.993	260.475	-542.366	A B C I K L
21	4.600	-205.155	-119.413	798.265	N R V X AA AB
		-739.588	247.327	-347.197	A B C I K L
21	5.367	-232.914	-187.810	680.989	N R V X AA AB
		-767.347	226.176	-165.177	A B C I K L
21	6.133	-261.835	-263.923	508.317	N R V X AA AB
		-796.269	197.023	-2.439	A B C I K L
21	6.900	-291.920	-347.752	274.335	N R V X AA AB
		-826.354	159.866	134.879	A B C I K L
22	0	-974.933	-0.155690	0.193056	A B C M
		-589.189	0.496149	-0.615225	N R U X Y Z
22	0.138	-976.959	-0.155690	0.171605	A B C M
		-591.215	0.496149	-0.546867	N R U X Y Z
22	0.276	-978.985	-0.155690	0.150155	A B C M
		-593.241	0.496149	-0.478508	N R U X Y Z
22	0.413	-981.011	-0.155690	0.128704	A B C M
		-595.267	0.496149	-0.410150	N R U X Y Z
22	0.551	-983.037	-0.155690	0.107253	A B C M
		-597.293	0.496149	-0.341792	N R U X Y Z
22	0.689	-985.063	-0.155690	0.085803	A B C M
		-599.319	0.496149	-0.273433	N R U X Y Z
22	0.827	-987.089	-0.155690	0.064352	A B C M
		-601.345	0.496149	-0.205075	N R U X Y Z
22	0.964	-989.115	-0.155690	0.042901	A B C M
		-603.371	0.496149	-0.136717	N R U X Y Z
22	1.102	-991.141	-0.155690	0.021451	A B C M
		-605.397	0.496149	-0.068358	N R U X Y Z
22	1.240	-993.167	-0.155690	1.93E-09	A B C M
		-607.423	0.496149	-6.15E-09	N R U X Y Z
23	0	-591.557	-0.481347	0.596871	N R U X Y Z
		-976.117	0.164690	-0.204216	N O P Q AA AB
23	0.138	-593.583	-0.481347	0.530552	N R U X Y Z
		-978.143	0.164690	-0.181525	N O P Q AA AB
23	0.276	-595.609	-0.481347	0.464233	N R U X Y Z
		-980.169	0.164690	-0.158835	N O P Q AA AB
23	0.413	-597.635	-0.481347	0.397914	N R U X Y Z
		-982.195	0.164690	-0.136144	N O P Q AA AB
23	0.551	-599.661	-0.481347	0.331595	N R U X Y Z
		-984.221	0.164690	-0.113453	N O P Q AA AB
23	0.689	-601.687	-0.481347	0.265276	N R U X Y Z
		-986.247	0.164690	-0.090763	N O P Q AA AB
23	0.827	-603.713	-0.481347	0.198957	N R U X Y Z
		-988.273	0.164690	-0.068072	N O P Q AA AB
23	0.964	-605.739	-0.481347	0.132638	N R U X Y Z

ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-990.299	0.164690	-0.045381	N O P Q AA AB
23	1.102	-607.765	-0.481347	0.066319	N R U X Y Z
		-992.325	0.164690	-0.022691	N O P Q AA AB
23	1.240	-609.791	-0.481347	5.97E-09	N R U X Y Z
		-994.351	0.164690	-2.04E-09	N O P Q AA AB
24	0	-1031.044	-0.495356	0.455173	N O P Q V X Z
		-495.426	1.459	-2.300	N R W Y AA AB
24	0.138	-1033.070	-0.495356	0.386924	N O P Q V X Z
		-497.452	1.459	-2.099	N R W Y AA AB
24	0.276	-1035.096	-0.495356	0.318675	N O P Q V X Z
		-499.478	1.459	-1.898	N R W Y AA AB
24	0.413	-1037.122	-0.495356	0.250426	N O P Q V X Z
		-501.504	1.459	-1.697	N R W Y AA AB
24	0.551	-1039.148	-0.495356	0.182177	N O P Q V X Z
		-503.531	1.459	-1.496	N R W Y AA AB
24	0.689	-1041.174	-0.495356	0.113928	N O P Q V X Z
		-505.557	1.459	-1.295	N R W Y AA AB
24	0.827	-1043.200	-0.495356	0.045679	N O P Q V X Z
		-507.583	1.459	-1.094	N R W Y AA AB
24	0.964	-1045.226	-0.495356	-0.022570	N O P Q V X Z
		-509.609	1.459	-0.892662	N R W Y AA AB
24	1.102	-1047.252	-0.495356	-0.090819	N O P Q V X Z
		-511.635	1.459	-0.691640	N R W Y AA AB
24	1.240	-1049.278	-0.495356	-0.159068	N O P Q V X Z
		-513.661	1.459	-0.490617	N R W Y AA AB
25	0	-497.794	-1.472	2.298	N R V X AA AB
		-1032.227	0.483507	-0.465158	A B C I K L
25	0.138	-499.820	-1.472	2.095	N R V X AA AB
		-1034.253	0.483507	-0.398541	A B C I K L
25	0.276	-501.846	-1.472	1.892	N R V X AA AB
		-1036.280	0.483507	-0.331925	A B C I K L
25	0.413	-503.872	-1.472	1.689	N R V X AA AB
		-1038.306	0.483507	-0.265308	A B C I K L
25	0.551	-505.898	-1.472	1.487	N R V X AA AB
		-1040.332	0.483507	-0.198692	A B C I K L
25	0.689	-507.924	-1.472	1.284	N R V X AA AB
		-1042.358	0.483507	-0.132075	A B C I K L
25	0.827	-509.950	-1.472	1.081	N R V X AA AB
		-1044.384	0.483507	-0.065459	A B C I K L
25	0.964	-511.976	-1.472	0.878002	N R V X AA AB
		-1046.410	0.483507	0.001158	A B C I K L
25	1.102	-514.002	-1.472	0.675132	N R V X AA AB
		-1048.436	0.483507	0.067774	A B C I K L
25	1.240	-516.028	-1.472	0.472263	N R V X AA AB
		-1050.462	0.483507	0.134391	A B C I K L
26	0	-1012.809	-1.889	2.797	N O P Q V X Z
		-477.192	2.770	-5.735	N R W Y AA AB
26	0.138	-1014.835	-1.889	2.537	N O P Q V X Z

ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-479.218	2.770	-5.353	N R W Y AA AB
26	0.276	-1016.862	-1.889	2.277	N O P Q V X Z
		-481.244	2.770	-4.972	N R W Y AA AB
26	0.413	-1018.888	-1.889	2.017	N O P Q V X Z
		-483.270	2.770	-4.590	N R W Y AA AB
26	0.551	-1020.914	-1.889	1.756	N O P Q V X Z
		-485.296	2.770	-4.208	N R W Y AA AB
26	0.689	-1022.940	-1.889	1.496	N O P Q V X Z
		-487.322	2.770	-3.827	N R W Y AA AB
26	0.827	-1024.966	-1.889	1.236	N O P Q V X Z
		-489.348	2.770	-3.445	N R W Y AA AB
26	0.964	-1026.992	-1.889	0.975628	N O P Q V X Z
		-491.374	2.770	-3.063	N R W Y AA AB
26	1.102	-1029.018	-1.889	0.715400	N O P Q V X Z
		-493.400	2.770	-2.681	N R W Y AA AB
26	1.240	-1031.044	-1.889	0.455173	N O P Q V X Z
		-495.426	2.770	-2.300	N R W Y AA AB
27	0	-479.560	-2.862	5.847	N R V X AA AB
		-1015.177	1.797	-2.685	N O P Q W Y Z
27	0.138	-481.586	-2.862	5.453	N R V X AA AB
		-1017.203	1.797	-2.437	N O P Q W Y Z
27	0.276	-483.612	-2.862	5.059	N R V X AA AB
		-1019.229	1.797	-2.190	N O P Q W Y Z
27	0.413	-485.638	-2.862	4.664	N R V X AA AB
		-1021.255	1.797	-1.942	N O P Q W Y Z
27	0.551	-487.664	-2.862	4.270	N R V X AA AB
		-1023.281	1.797	-1.695	N O P Q W Y Z
27	0.689	-489.690	-2.862	3.876	N R V X AA AB
		-1025.307	1.797	-1.447	N O P Q W Y Z
27	0.827	-491.716	-2.862	3.481	N R V X AA AB
		-1027.333	1.797	-1.200	N O P Q W Y Z
27	0.964	-493.742	-2.862	3.087	N R V X AA AB
		-1029.359	1.797	-0.951998	N O P Q W Y Z
27	1.102	-495.768	-2.862	2.692	N R V X AA AB
		-1031.385	1.797	-0.704450	N O P Q W Y Z
27	1.240	-497.794	-2.862	2.298	N R V X AA AB
		-1033.411	1.797	-0.456902	N O P Q W Y Z
28	0	-994.575	-3.613	7.277	N O P Q V X Z
		-458.958	2.810	-9.219	N R W Y AA AB
28	0.138	-996.601	-3.613	6.779	N O P Q V X Z
		-460.984	2.810	-8.832	N R W Y AA AB
28	0.276	-998.627	-3.613	6.281	N O P Q V X Z
		-463.010	2.810	-8.445	N R W Y AA AB
28	0.413	-1000.653	-3.613	5.784	N O P Q V X Z
		-465.036	2.810	-8.058	N R W Y AA AB
28	0.551	-1002.679	-3.613	5.286	N O P Q V X Z
		-467.062	2.810	-7.671	N R W Y AA AB
28	0.689	-1004.705	-3.613	4.788	N O P Q V X Z
		-469.088	2.810	-7.284	N R W Y AA AB

ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
28	0.827	-1006.731	-3.613	4.290	N O P Q V X Z
		-471.114	2.810	-6.896	N R W Y AA AB
28	0.964	-1008.757	-3.613	3.793	N O P Q V X Z
		-473.140	2.810	-6.509	N R W Y AA AB
28	1.102	-1010.783	-3.613	3.295	N O P Q V X Z
		-475.166	2.810	-6.122	N R W Y AA AB
28	1.240	-1012.809	-3.613	2.797	N O P Q V X Z
		-477.192	2.810	-5.735	N R W Y AA AB
29	0	-461.326	-3.022	9.595	N R V X AA AB
		-996.943	3.400	-6.901	N O P Q W Y Z
29	0.138	-463.352	-3.022	9.179	N R V X AA AB
		-998.969	3.400	-6.433	N O P Q W Y Z
29	0.276	-465.378	-3.022	8.762	N R V X AA AB
		-1000.995	3.400	-5.964	N O P Q W Y Z
29	0.413	-467.404	-3.022	8.346	N R V X AA AB
		-1003.021	3.400	-5.496	N O P Q W Y Z
29	0.551	-469.430	-3.022	7.929	N R V X AA AB
		-1005.047	3.400	-5.027	N O P Q W Y Z
29	0.689	-471.456	-3.022	7.513	N R V X AA AB
		-1007.073	3.400	-4.559	N O P Q W Y Z
29	0.827	-473.482	-3.022	7.097	N R V X AA AB
		-1009.099	3.400	-4.090	N O P Q W Y Z
29	0.964	-475.508	-3.022	6.680	N R V X AA AB
		-1011.125	3.400	-3.622	N O P Q W Y Z
29	1.102	-477.534	-3.022	6.264	N R V X AA AB
		-1013.151	3.400	-3.153	N O P Q W Y Z
29	1.240	-479.560	-3.022	5.847	N R V X AA AB
		-1015.177	3.400	-2.685	N O P Q W Y Z
30	0	-531.406	-5.540	7.110	N R U X Z
		-885.659	1.938	-4.283	N O P Q Y AA AB
30	0.138	-533.432	-5.540	6.347	N R U X Z
		-887.685	1.938	-4.016	N O P Q Y AA AB
30	0.276	-535.458	-5.540	5.583	N R U X Z
		-889.711	1.938	-3.749	N O P Q Y AA AB
30	0.413	-537.484	-5.540	4.820	N R U X Z
		-891.737	1.938	-3.482	N O P Q Y AA AB
30	0.551	-539.510	-5.540	4.057	N R U X Z
		-893.763	1.938	-3.215	N O P Q Y AA AB
30	0.689	-541.536	-5.540	3.293	N R U X Z
		-895.789	1.938	-2.948	N O P Q Y AA AB
30	0.827	-543.562	-5.540	2.530	N R U X Z
		-897.815	1.938	-2.681	N O P Q Y AA AB
30	0.964	-545.588	-5.540	1.767	N R U X Z
		-899.841	1.938	-2.414	N O P Q Y AA AB
30	1.102	-547.614	-5.540	1.004	N R U X Z
		-901.867	1.938	-2.147	N O P Q Y AA AB
30	1.240	-549.640	-5.540	0.240406	N R U X Z
		-903.893	1.938	-1.881	N O P Q Y AA AB

ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
31	0	-888.027	-2.231	5.023	N O P Q X AA AB
		-533.773	5.246	-6.370	N R U Y Z
31	0.138	-890.053	-2.231	4.716	N O P Q X AA AB
		-535.800	5.246	-5.647	N R U Y Z
31	0.276	-892.079	-2.231	4.408	N O P Q X AA AB
		-537.826	5.246	-4.924	N R U Y Z
31	0.413	-894.105	-2.231	4.101	N O P Q X AA AB
		-539.852	5.246	-4.201	N R U Y Z
31	0.551	-896.131	-2.231	3.793	N O P Q X AA AB
		-541.878	5.246	-3.479	N R U Y Z
31	0.689	-898.157	-2.231	3.486	N O P Q X AA AB
		-543.904	5.246	-2.756	N R U Y Z
31	0.827	-900.183	-2.231	3.179	N O P Q X AA AB
		-545.930	5.246	-2.033	N R U Y Z
31	0.964	-902.209	-2.231	2.871	N O P Q X AA AB
		-547.956	5.246	-1.310	N R U Y Z
31	1.102	-904.235	-2.231	2.564	N O P Q X AA AB
		-549.982	5.246	-0.587346	N R U Y Z
31	1.240	-906.261	-2.231	2.256	N O P Q X AA AB
		-552.008	5.246	0.135461	N R U Y Z
32	0	-422.490	-15.992	12.862	N R W Y AA AB
		-898.915	4.436	-4.566	A B C J L
32	0.138	-424.516	-15.992	10.659	N R W Y AA AB
		-900.942	4.436	-3.955	A B C J L
32	0.276	-426.542	-15.992	8.456	N R W Y AA AB
		-902.968	4.436	-3.344	A B C J L
32	0.413	-428.568	-15.992	6.252	N R W Y AA AB
		-904.994	4.436	-2.733	A B C J L
32	0.551	-430.594	-15.992	4.049	N R W Y AA AB
		-907.020	4.436	-2.122	A B C J L
32	0.689	-432.620	-15.992	1.846	N R W Y AA AB
		-909.046	4.436	-1.510	A B C J L
32	0.827	-434.646	-15.992	-0.357445	N R W Y AA AB
		-911.072	4.436	-0.899076	A B C J L
32	0.964	-436.672	-15.992	-2.561	N R W Y AA AB
		-913.098	4.436	-0.287849	A B C J L
32	1.102	-438.698	-15.992	-4.764	N R W Y AA AB
		-915.124	4.436	0.323378	A B C J L
32	1.240	-440.724	-15.992	-6.967	N R W Y AA AB
		-917.150	4.436	0.934605	A B C J L
33	0	-898.915	-4.436	4.566	A B C K L
		-424.857	15.888	-11.994	N R V X AA AB
33	0.138	-900.942	-4.436	3.955	A B C K L
		-426.883	15.888	-9.805	N R V X AA AB
33	0.276	-902.968	-4.436	3.344	A B C K L
		-428.909	15.888	-7.616	N R V X AA AB
33	0.413	-904.994	-4.436	2.733	A B C K L
		-430.935	15.888	-5.427	N R V X AA AB
33	0.551	-907.020	-4.436	2.122	A B C K L

ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-432.961	15.888	-3.238	N R V X AA AB
33	0.689	-909.046	-4.436	1.510	A B C K L
		-434.987	15.888	-1.049	N R V X AA AB
33	0.827	-911.072	-4.436	0.899076	A B C K L
		-437.013	15.888	1.140	N R V X AA AB
33	0.964	-913.098	-4.436	0.287849	A B C K L
		-439.039	15.888	3.329	N R V X AA AB
33	1.102	-915.124	-4.436	-0.323378	A B C K L
		-441.065	15.888	5.518	N R V X AA AB
33	1.240	-917.150	-4.436	-0.934605	A B C K L
		-443.091	15.888	7.707	N R V X AA AB
34	0	-404.255	-42.103	65.070	N R W Y AA AB
		-939.873	19.783	-14.848	N O P Q V X Z
34	0.138	-406.281	-42.103	59.270	N R W Y AA AB
		-941.899	19.783	-12.123	N O P Q V X Z
34	0.276	-408.307	-42.103	53.469	N R W Y AA AB
		-943.925	19.783	-9.397	N O P Q V X Z
34	0.413	-410.333	-42.103	47.668	N R W Y AA AB
		-945.951	19.783	-6.671	N O P Q V X Z
34	0.551	-412.360	-42.103	41.867	N R W Y AA AB
		-947.977	19.783	-3.946	N O P Q V X Z
34	0.689	-414.386	-42.103	36.066	N R W Y AA AB
		-950.003	19.783	-1.220	N O P Q V X Z
34	0.827	-416.412	-42.103	30.265	N R W Y AA AB
		-952.029	19.783	1.506	N O P Q V X Z
34	0.964	-418.438	-42.103	24.464	N R W Y AA AB
		-954.055	19.783	4.231	N O P Q V X Z
34	1.102	-420.464	-42.103	18.663	N R W Y AA AB
		-956.081	19.783	6.957	N O P Q V X Z
34	1.240	-422.490	-42.103	12.862	N R W Y AA AB
		-958.107	19.783	9.683	N O P Q V X Z
35	0	-942.240	-19.011	14.759	N O P Q W Y Z
		-406.623	42.876	-65.160	N R V X AA AB
35	0.138	-944.266	-19.011	12.140	N O P Q W Y Z
		-408.649	42.876	-59.253	N R V X AA AB
35	0.276	-946.292	-19.011	9.520	N O P Q W Y Z
		-410.675	42.876	-53.345	N R V X AA AB
35	0.413	-948.318	-19.011	6.901	N O P Q W Y Z
		-412.701	42.876	-47.438	N R V X AA AB
35	0.551	-950.344	-19.011	4.282	N O P Q W Y Z
		-414.727	42.876	-41.531	N R V X AA AB
35	0.689	-952.370	-19.011	1.662	N O P Q W Y Z
		-416.753	42.876	-35.623	N R V X AA AB
35	0.827	-954.396	-19.011	-0.956798	N O P Q W Y Z
		-418.779	42.876	-29.716	N R V X AA AB
35	0.964	-956.422	-19.011	-3.576	N O P Q W Y Z
		-420.805	42.876	-23.809	N R V X AA AB
35	1.102	-958.448	-19.011	-6.195	N O P Q W Y Z
		-422.831	42.876	-17.901	N R V X AA AB

ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
35	1.240	-960.474	-19.011	-8.815	N O P Q W Y Z
		-424.857	42.876	-11.994	N R V X AA AB
36	0	-386.021	-69.360	151.076	N R W Y AA AB
		-921.638	53.490	-81.176	N O P Q V X Z
36	0.138	-388.047	-69.360	141.520	N R W Y AA AB
		-923.664	53.490	-73.806	N O P Q V X Z
36	0.276	-390.073	-69.360	131.964	N R W Y AA AB
		-925.691	53.490	-66.437	N O P Q V X Z
36	0.413	-392.099	-69.360	122.408	N R W Y AA AB
		-927.717	53.490	-59.067	N O P Q V X Z
36	0.551	-394.125	-69.360	112.851	N R W Y AA AB
		-929.743	53.490	-51.697	N O P Q V X Z
36	0.689	-396.151	-69.360	103.295	N R W Y AA AB
		-931.769	53.490	-44.327	N O P Q V X Z
36	0.827	-398.177	-69.360	93.739	N R W Y AA AB
		-933.795	53.490	-36.957	N O P Q V X Z
36	0.964	-400.203	-69.360	84.183	N R W Y AA AB
		-935.821	53.490	-29.588	N O P Q V X Z
36	1.102	-402.229	-69.360	74.627	N R W Y AA AB
		-937.847	53.490	-22.218	N O P Q V X Z
36	1.240	-404.255	-69.360	65.070	N R W Y AA AB
		-939.873	53.490	-14.848	N O P Q V X Z
37	0	-924.006	-50.751	77.690	N O P Q W Y Z
		-388.389	72.099	-154.563	N R V X AA AB
37	0.138	-926.032	-50.751	70.697	N O P Q W Y Z
		-390.415	72.099	-144.629	N R V X AA AB
37	0.276	-928.058	-50.751	63.705	N O P Q W Y Z
		-392.441	72.099	-134.695	N R V X AA AB
37	0.413	-930.084	-50.751	56.713	N O P Q W Y Z
		-394.467	72.099	-124.762	N R V X AA AB
37	0.551	-932.110	-50.751	49.720	N O P Q W Y Z
		-396.493	72.099	-114.828	N R V X AA AB
37	0.689	-934.136	-50.751	42.728	N O P Q W Y Z
		-398.519	72.099	-104.894	N R V X AA AB
37	0.827	-936.162	-50.751	35.736	N O P Q W Y Z
		-400.545	72.099	-94.961	N R V X AA AB
37	0.964	-938.188	-50.751	28.743	N O P Q W Y Z
		-402.571	72.099	-85.027	N R V X AA AB
37	1.102	-940.214	-50.751	21.751	N O P Q W Y Z
		-404.597	72.099	-75.093	N R V X AA AB
37	1.240	-942.240	-50.751	14.759	N O P Q W Y Z
		-406.623	72.099	-65.160	N R V X AA AB
38	0	-752.347	-58.101	196.359	N O P Q W Y AA AB
		-518.844	92.219	-168.765	N R V X Z
38	0.138	-754.373	-58.101	188.354	N O P Q W Y AA AB
		-520.870	92.219	-156.060	N R V X Z
38	0.276	-756.399	-58.101	180.349	N O P Q W Y AA AB
		-522.896	92.219	-143.354	N R V X Z

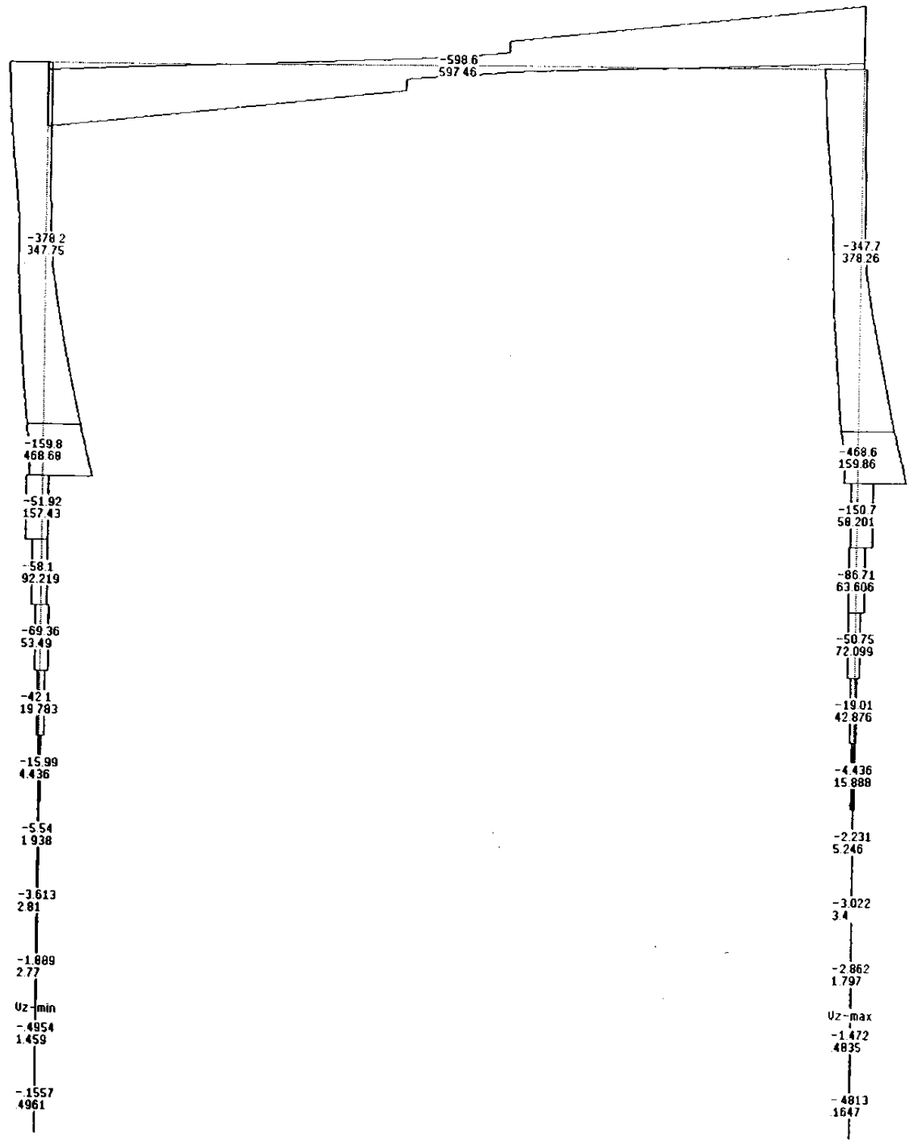
ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
38	0.413	-758.425	-58.101	172.344	N O P Q W Y AA AB
		-524.922	92.219	-130.648	N R V X Z
38	0.551	-760.451	-58.101	164.339	N O P Q W Y AA AB
		-526.948	92.219	-117.942	N R V X Z
38	0.689	-762.477	-58.101	156.334	N O P Q W Y AA AB
		-528.974	92.219	-105.237	N R V X Z
38	0.827	-764.503	-58.101	148.329	N O P Q W Y AA AB
		-531.000	92.219	-92.531	N R V X Z
38	0.964	-766.529	-58.101	140.324	N O P Q W Y AA AB
		-533.026	92.219	-79.825	N R V X Z
38	1.102	-768.555	-58.101	132.319	N O P Q W Y AA AB
		-535.052	92.219	-67.119	N R V X Z
38	1.240	-770.581	-58.101	124.314	N O P Q W Y AA AB
		-537.078	92.219	-54.414	N R V X Z
39	0	-521.212	-86.714	158.452	N R W Y Z
		-754.715	63.606	-206.672	N O P Q V X AA AB
39	0.138	-523.238	-86.714	146.505	N R W Y Z
		-756.741	63.606	-197.908	N O P Q V X AA AB
39	0.276	-525.264	-86.714	134.558	N R W Y Z
		-758.767	63.606	-189.145	N O P Q V X AA AB
39	0.413	-527.290	-86.714	122.611	N R W Y Z
		-760.793	63.606	-180.381	N O P Q V X AA AB
39	0.551	-529.316	-86.714	110.663	N R W Y Z
		-762.819	63.606	-171.618	N O P Q V X AA AB
39	0.689	-531.342	-86.714	98.716	N R W Y Z
		-764.845	63.606	-162.854	N O P Q V X AA AB
39	0.827	-533.368	-86.714	86.769	N R W Y Z
		-766.871	63.606	-154.091	N O P Q V X AA AB
39	0.964	-535.394	-86.714	74.822	N R W Y Z
		-768.897	63.606	-145.327	N O P Q V X AA AB
39	1.102	-537.420	-86.714	62.875	N R W Y Z
		-770.923	63.606	-136.564	N O P Q V X AA AB
39	1.240	-539.446	-86.714	50.927	N R W Y Z
		-772.949	63.606	-127.800	N O P Q V X AA AB
40	0	-810.825	-51.923	75.104	A B C M
		-425.081	157.439	-186.387	N R U X Y Z
40	0.138	-812.851	-51.923	67.951	A B C M
		-427.107	157.439	-164.695	N R U X Y Z
40	0.276	-814.877	-51.923	60.797	A B C M
		-429.133	157.439	-143.004	N R U X Y Z
40	0.413	-816.903	-51.923	53.643	A B C M
		-431.160	157.439	-121.312	N R U X Y Z
40	0.551	-818.929	-51.923	46.489	A B C M
		-433.186	157.439	-99.620	N R U X Y Z
40	0.689	-820.955	-51.923	39.335	A B C M
		-435.212	157.439	-77.929	N R U X Y Z
40	0.827	-822.981	-51.923	32.181	A B C M
		-437.238	157.439	-56.237	N R U X Y Z
40	0.964	-825.007	-51.923	25.028	A B C M

ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-439.264	157.439	-34.545	N R U X Y Z
40	1.102	-827.033	-51.923	17.874	A B C M
		-441.290	157.439	-12.854	N R U X Y Z
40	1.240	-829.059	-51.923	10.720	A B C M
		-443.316	157.439	8.838	N R U X Y Z
41	0	-427.449	-150.768	167.801	N R U X Y Z
		-812.009	58.201	-101.059	N O P Q AA AB
41	0.138	-429.475	-150.768	147.029	N R U X Y Z
		-814.035	58.201	-93.040	N O P Q AA AB
41	0.276	-431.501	-150.768	126.256	N R U X Y Z
		-816.061	58.201	-85.021	N O P Q AA AB
41	0.413	-433.527	-150.768	105.484	N R U X Y Z
		-818.087	58.201	-77.002	N O P Q AA AB
41	0.551	-435.553	-150.768	84.712	N R U X Y Z
		-820.113	58.201	-68.983	N O P Q AA AB
41	0.689	-437.579	-150.768	63.939	N R U X Y Z
		-822.139	58.201	-60.965	N O P Q AA AB
41	0.827	-439.605	-150.768	43.167	N R U X Y Z
		-824.165	58.201	-52.946	N O P Q AA AB
41	0.964	-441.631	-150.768	22.394	N R U X Y Z
		-826.191	58.201	-44.927	N O P Q AA AB
41	1.102	-443.657	-150.768	1.622	N R U X Y Z
		-828.217	58.201	-36.908	N O P Q AA AB
41	1.240	-445.683	-150.768	-19.151	N R U X Y Z
		-830.243	58.201	-28.890	N O P Q AA AB

Escala 1 : 113.4
Section forces envelope Vz, GWSP DT (E.L.S.), View "ALL"
- Struktur: Staebe
- Envelop Shear force Vz-min, Scaling 2.00E-03
  min: -5.99E+02 max: 6.07E+01 [kN]
- Envelop Shear force Vz-max, Scaling 2.00E-03
  min: -6.30E+01 max: 5.97E+02 [kN]
- Text envelopes [kN]



ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
1	0	-734.113	354.751	-139.560	N O P Q W Y AA AB
		-500.610	16.157	313.899	N R V X Z
1	0.111	-787.821	-25.460	-113.503	N O P Q Y AA AB
		-493.943	8.763	315.282	N R V X Z
1	0.222	-781.155	-26.571	-116.394	N O P Q Y AA AB
		-487.277	1.537	315.853	N R V X Z
1	0.333	-774.488	-27.682	-119.408	N O P Q Y AA AB
		-480.610	-5.520	315.630	N R V X Z
1	0.444	-767.821	-28.793	-122.545	N O P Q Y AA AB
		-413.568	227.219	326.857	N R U X Z
1	0.556	-776.308	-81.104	-127.531	N O P Q AA AB
		-391.748	266.092	353.142	N R U X Y Z
1	0.667	-770.825	-92.345	-136.667	A B C M
		-385.081	252.817	381.968	N R U X Y Z
1	0.778	-764.159	-92.345	-146.928	A B C M
		-378.415	239.703	409.329	N R U X Y Z
1	0.889	-757.492	-92.345	-157.188	A B C M
		-371.748	226.752	435.242	N R U X Y Z
1	1.000	-750.825	-92.345	-167.449	A B C M
		-365.081	213.963	459.724	N R U X Y Z
2	0	-752.009	81.104	-182.163	N O P Q AA AB
		-367.449	-213.963	441.139	N R U X Y Z
2	0.111	-758.676	81.104	-173.151	N O P Q AA AB
		-374.116	-226.752	416.656	N R U X Y Z
2	0.222	-765.342	81.104	-164.140	N O P Q AA AB
		-380.782	-239.703	390.743	N R U X Y Z
2	0.333	-772.009	81.104	-155.128	N O P Q AA AB
		-387.449	-252.817	363.383	N R U X Y Z
2	0.444	-778.676	81.104	-146.117	N O P Q AA AB
		-394.116	-266.092	334.556	N R U X Y Z
2	0.556	-770.189	28.793	-141.131	N O P Q X AA AB
		-415.936	-227.219	308.271	N R U Y Z
2	0.667	-776.856	27.682	-137.993	N O P Q X AA AB
		-482.978	5.520	297.044	N R W Y Z
2	0.778	-783.522	26.571	-134.979	N O P Q X AA AB
		-489.644	-1.537	297.267	N R W Y Z
2	0.889	-790.189	25.460	-132.089	N O P Q X AA AB
		-496.311	-8.763	296.697	N R W Y Z
2	1.000	-736.480	-354.751	-158.145	N O P Q V X AA AB
		-502.978	-16.157	295.314	N R W Y Z
5	0	-265.701	597.464	-1559.360	A B C H J L
		-128.946	60.663	688.449	N R W Y AA AB
5	1.744	-265.701	504.834	-597.912	A B C H J L
		-128.946	30.135	767.645	N R W Y AA AB
5	3.489	-161.654	150.664	-59.518	N V X Z
		-231.401	259.963	1086.419	N O P Q R W Y AA AB
5	5.233	-161.654	120.136	176.681	N V X Z
		-231.401	167.333	1459.116	N O P Q R W Y AA AB
5	6.848	-161.654	91.872	347.888	N V X Z

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-91.866	141.946	1695.460	N O P Q R Y AA AB
5	6.852	-161.654	91.817	348.176	N V X Z
		-91.866	36.679	1695.740	N O P Q R Y AA AB
5	6.978	-161.654	89.609	359.625	N V X Z
		-91.866	29.978	1699.947	N O P Q R Y AA AB
5	8.722	-161.654	-91.976	357.560	N W Y Z
		-91.866	-32.345	1697.881	N O P Q R X AA AB
5	8.848	-161.654	-94.185	345.812	N W Y Z
		-91.866	-39.047	1693.376	N O P Q R X AA AB
5	8.852	-161.654	-94.240	345.517	N W Y Z
		-91.866	-144.314	1693.088	N O P Q R X AA AB
5	10.467	-161.654	-122.504	170.485	N W Y Z
		-231.401	-169.700	1452.920	N O P Q R V X AA AB
5	12.211	-161.654	-153.032	-69.843	N W Y Z
		-231.401	-262.330	1076.094	N O P Q R V X AA AB
5	13.956	-265.701	-504.834	-597.912	A B C I K L
		-128.946	-32.502	753.189	N R V X AA AB
5	15.700	-265.701	-597.464	-1559.360	A B C I K L
		-128.946	-63.030	669.864	N R V X AA AB
20	0	-750.825	-92.345	-167.449	A B C M
		-365.081	213.963	459.724	N R U X Y Z
20	0.767	-720.740	-92.345	-238.246	A B C M
		-334.996	130.134	591.135	N R U X Y Z
20	1.533	-706.972	-114.589	-319.519	A B C J M
		-230.546	166.586	712.424	N R W Y Z
20	2.300	-679.213	-126.166	-409.238	A B C J L
		-202.787	119.413	816.851	N R W Y AA AB
20	3.067	-712.993	-260.475	-542.366	A B C H J L
		-176.192	58.731	884.646	N R W Y AA AB
20	3.833	-687.561	-265.619	-744.547	A B C H J L
		-150.760	5.764	908.876	N R W Y AA AB
20	3.943	-684.022	-265.701	-773.644	A B C H J L
		-147.221	-1.172	909.126	N R W Y AA AB
20	4.600	-663.292	-265.701	-948.248	A B C H J L
		-126.490	-39.487	895.457	N R W Y AA AB
20	5.367	-640.186	-265.701	-1151.952	A B C H J L
		-103.385	-77.022	850.302	N R W Y AA AB
20	6.133	-618.243	-265.701	-1355.656	A B C H J L
		-81.442	-106.842	779.328	N R W Y AA AB
20	6.900	-597.464	-265.701	-1559.360	A B C H J L
		-60.663	-128.946	688.449	N R W Y AA AB
21	0	-597.464	265.701	-1559.360	A B C I K L
		-63.030	128.946	669.864	N R V X AA AB
21	0.767	-618.243	265.701	-1355.656	A B C I K L
		-83.810	106.842	760.742	N R V X AA AB
21	1.533	-640.186	265.701	-1151.952	A B C I K L
		-105.752	77.022	831.716	N R V X AA AB
21	2.300	-663.292	265.701	-948.248	A B C I K L
		-128.858	39.487	876.871	N R V X AA AB

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
21	2.957	-684.022	265.701	-773.644	A B C I K L
		-149.589	1.172	890.541	N R V X AA AB
21	3.067	-687.561	265.619	-744.547	A B C I K L
		-153.127	-5.764	890.291	N R V X AA AB
21	3.833	-712.993	260.475	-542.366	A B C I K L
		-178.559	-58.731	866.061	N R V X AA AB
21	4.600	-679.213	126.166	-409.238	A B C K L
		-205.155	-119.413	798.265	N R V X AA AB
21	5.367	-706.972	114.589	-319.519	A B C K M
		-232.914	-166.586	693.838	N R V X Z
21	6.133	-721.924	81.104	-244.343	N O P Q AA AB
		-337.364	-130.134	572.550	N R U X Y Z
21	6.900	-752.009	81.104	-182.163	N O P Q AA AB
		-367.449	-213.963	441.139	N R U X Y Z
22	0	-589.189	0.496149	-0.615225	N R U X Y Z
		-974.933	-0.155690	0.193056	A B C M
22	0.138	-591.215	0.496149	-0.546867	N R U X Y Z
		-976.959	-0.155690	0.171605	A B C M
22	0.276	-593.241	0.496149	-0.478508	N R U X Y Z
		-978.985	-0.155690	0.150155	A B C M
22	0.413	-595.267	0.496149	-0.410150	N R U X Y Z
		-981.011	-0.155690	0.128704	A B C M
22	0.551	-597.293	0.496149	-0.341792	N R U X Y Z
		-983.037	-0.155690	0.107253	A B C M
22	0.689	-599.319	0.496149	-0.273433	N R U X Y Z
		-985.063	-0.155690	0.085803	A B C M
22	0.827	-601.345	0.496149	-0.205075	N R U X Y Z
		-987.089	-0.155690	0.064352	A B C M
22	0.964	-603.371	0.496149	-0.136717	N R U X Y Z
		-989.115	-0.155690	0.042901	A B C M
22	1.102	-605.397	0.496149	-0.068358	N R U X Y Z
		-991.141	-0.155690	0.021451	A B C M
22	1.240	-607.423	0.496149	-6.15E-09	N R U X Y Z
		-993.167	-0.155690	1.93E-09	A B C M
23	0	-976.117	0.164690	-0.204216	N O P Q AA AB
		-591.557	-0.481347	0.596871	N R U X Y Z
23	0.138	-978.143	0.164690	-0.181525	N O P Q AA AB
		-593.583	-0.481347	0.530552	N R U X Y Z
23	0.276	-980.169	0.164690	-0.158835	N O P Q AA AB
		-595.609	-0.481347	0.464233	N R U X Y Z
23	0.413	-982.195	0.164690	-0.136144	N O P Q AA AB
		-597.635	-0.481347	0.397914	N R U X Y Z
23	0.551	-984.221	0.164690	-0.113453	N O P Q AA AB
		-599.661	-0.481347	0.331595	N R U X Y Z
23	0.689	-986.247	0.164690	-0.090763	N O P Q AA AB
		-601.687	-0.481347	0.265276	N R U X Y Z
23	0.827	-988.273	0.164690	-0.068072	N O P Q AA AB
		-603.713	-0.481347	0.198957	N R U X Y Z
23	0.964	-990.299	0.164690	-0.045381	N O P Q AA AB

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-605.739	-0.481347	0.132638	N R U X Y Z
23	1.102	-992.325	0.164690	-0.022691	N O P Q AA AB
		-607.765	-0.481347	0.066319	N R U X Y Z
23	1.240	-994.351	0.164690	-2.04E-09	N O P Q AA AB
		-609.791	-0.481347	5.97E-09	N R U X Y Z
24	0	-495.426	1.459	-2.300	N R W Y AA AB
		-971.852	-0.375707	0.621285	A B C J L
24	0.138	-497.452	1.459	-2.099	N R W Y AA AB
		-973.878	-0.375707	0.569521	A B C J L
24	0.276	-499.478	1.459	-1.898	N R W Y AA AB
		-975.904	-0.375707	0.517757	A B C J L
24	0.413	-501.504	1.459	-1.697	N R W Y AA AB
		-977.930	-0.375707	0.465993	A B C J L
24	0.551	-503.531	1.459	-1.496	N R W Y AA AB
		-979.956	-0.375707	0.414229	A B C J L
24	0.689	-505.557	1.459	-1.295	N R W Y AA AB
		-981.982	-0.375707	0.362465	A B C J L
24	0.827	-507.583	1.459	-1.094	N R W Y AA AB
		-984.008	-0.375707	0.310700	A B C J L
24	0.964	-509.609	1.349	-0.900704	N R W Y Z
		-986.034	-0.315492	0.263323	A B C J M
24	1.102	-587.163	0.849221	-0.732229	N R U X Y Z
		-972.907	-0.217058	0.222962	A B C M
24	1.240	-589.189	0.849221	-0.615225	N R U X Y Z
		-974.933	-0.217058	0.193056	A B C M
25	0	-971.852	0.375707	-0.621285	A B C K L
		-497.794	-1.472	2.298	N R V X AA AB
25	0.138	-973.878	0.375707	-0.569521	A B C K L
		-499.820	-1.472	2.095	N R V X AA AB
25	0.276	-975.904	0.375707	-0.517757	A B C K L
		-501.846	-1.472	1.892	N R V X AA AB
25	0.413	-977.930	0.375707	-0.465993	A B C K L
		-503.872	-1.472	1.689	N R V X AA AB
25	0.551	-979.956	0.375707	-0.414229	A B C K L
		-505.898	-1.472	1.487	N R V X AA AB
25	0.689	-981.982	0.375707	-0.362465	A B C K L
		-507.924	-1.472	1.284	N R V X AA AB
25	0.827	-984.008	0.375707	-0.310700	A B C K L
		-509.950	-1.472	1.081	N R V X AA AB
25	0.964	-986.034	0.315492	-0.263323	A B C K M
		-511.976	-1.362	0.886045	N R V X Z
25	1.102	-974.091	0.165320	-0.226994	N O P Q AA AB
		-589.531	-0.862628	0.715722	N R U X Y Z
25	1.240	-976.117	0.165320	-0.204216	N O P Q AA AB
		-591.557	-0.862628	0.596871	N R U X Y Z
26	0	-477.192	2.770	-5.735	N R W Y AA AB
		-1012.809	-1.889	2.797	N O P Q V X Z
26	0.138	-479.218	2.770	-5.353	N R W Y AA AB

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-1014.835	-1.889	2.537	N O P Q V X Z
26	0.276	-481.244	2.770	-4.972	N R W Y AA AB
		-1016.862	-1.889	2.277	N O P Q V X Z
26	0.413	-483.270	2.770	-4.590	N R W Y AA AB
		-1018.888	-1.889	2.017	N O P Q V X Z
26	0.551	-485.296	2.770	-4.208	N R W Y AA AB
		-1020.914	-1.889	1.756	N O P Q V X Z
26	0.689	-487.322	2.770	-3.827	N R W Y AA AB
		-1022.940	-1.889	1.496	N O P Q V X Z
26	0.827	-489.348	2.770	-3.445	N R W Y AA AB
		-1024.966	-1.889	1.236	N O P Q V X Z
26	0.964	-491.374	2.770	-3.063	N R W Y AA AB
		-1026.992	-1.889	0.975628	N O P Q V X Z
26	1.102	-493.400	2.770	-2.681	N R W Y AA AB
		-1029.018	-1.889	0.715400	N O P Q V X Z
26	1.240	-495.426	2.770	-2.300	N R W Y AA AB
		-971.852	-0.628705	0.621285	A B C J L
27	0	-1015.177	1.797	-2.685	N O P Q W Y Z
		-479.560	-2.862	5.847	N R V X AA AB
27	0.138	-1017.203	1.797	-2.437	N O P Q W Y Z
		-481.586	-2.862	5.453	N R V X AA AB
27	0.276	-1019.229	1.797	-2.190	N O P Q W Y Z
		-483.612	-2.862	5.059	N R V X AA AB
27	0.413	-1021.255	1.797	-1.942	N O P Q W Y Z
		-485.638	-2.862	4.664	N R V X AA AB
27	0.551	-1023.281	1.797	-1.695	N O P Q W Y Z
		-487.664	-2.862	4.270	N R V X AA AB
27	0.689	-1024.123	1.783	-1.448	A B C I K L
		-489.690	-2.862	3.876	N R V X AA AB
27	0.827	-1026.149	1.783	-1.202	A B C I K L
		-491.716	-2.862	3.481	N R V X AA AB
27	0.964	-1028.175	1.783	-0.956415	A B C I K L
		-493.742	-2.862	3.087	N R V X AA AB
27	1.102	-1030.201	1.783	-0.710786	A B C I K L
		-495.768	-2.862	2.692	N R V X AA AB
27	1.240	-971.852	0.628705	-0.621285	A B C K L
		-497.794	-2.862	2.298	N R V X AA AB
28	0	-458.958	2.810	-9.219	N R W Y AA AB
		-994.575	-3.613	7.277	N O P Q V X Z
28	0.138	-460.984	2.810	-8.832	N R W Y AA AB
		-996.601	-3.613	6.779	N O P Q V X Z
28	0.276	-463.010	2.810	-8.445	N R W Y AA AB
		-998.627	-3.613	6.281	N O P Q V X Z
28	0.413	-465.036	2.810	-8.058	N R W Y AA AB
		-1000.653	-3.613	5.784	N O P Q V X Z
28	0.551	-467.062	2.810	-7.671	N R W Y AA AB
		-1002.679	-3.613	5.286	N O P Q V X Z
28	0.689	-469.088	2.810	-7.284	N R W Y AA AB
		-1004.705	-3.613	4.788	N O P Q V X Z

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
28	0.827	-471.114	2.810	-6.896	N R W Y AA AB
		-1006.731	-3.613	4.290	N O P Q V X Z
28	0.964	-473.140	2.810	-6.509	N R W Y AA AB
		-1008.757	-3.613	3.793	N O P Q V X Z
28	1.102	-475.166	2.810	-6.122	N R W Y AA AB
		-1010.783	-3.613	3.295	N O P Q V X Z
28	1.240	-477.192	2.810	-5.735	N R W Y AA AB
		-1012.809	-3.613	2.797	N O P Q V X Z
29	0	-996.943	3.400	-6.901	N O P Q W Y Z
		-461.326	-3.022	9.595	N R V X AA AB
29	0.138	-998.969	3.400	-6.433	N O P Q W Y Z
		-463.352	-3.022	9.179	N R V X AA AB
29	0.276	-1000.995	3.400	-5.964	N O P Q W Y Z
		-465.378	-3.022	8.762	N R V X AA AB
29	0.413	-1003.021	3.400	-5.496	N O P Q W Y Z
		-467.404	-3.022	8.346	N R V X AA AB
29	0.551	-1005.047	3.400	-5.027	N O P Q W Y Z
		-469.430	-3.022	7.929	N R V X AA AB
29	0.689	-1007.073	3.400	-4.559	N O P Q W Y Z
		-471.456	-3.022	7.513	N R V X AA AB
29	0.827	-1009.099	3.400	-4.090	N O P Q W Y Z
		-473.482	-3.022	7.097	N R V X AA AB
29	0.964	-1011.125	3.400	-3.622	N O P Q W Y Z
		-475.508	-3.022	6.680	N R V X AA AB
29	1.102	-1013.151	3.400	-3.153	N O P Q W Y Z
		-477.534	-3.022	6.264	N R V X AA AB
29	1.240	-1015.177	3.400	-2.685	N O P Q W Y Z
		-479.560	-3.022	5.847	N R V X AA AB
30	0	-825.284	-0.535417	-7.388	N O P Q W Y AA AB
		-591.781	-5.084	12.414	N R V X Z
30	0.138	-827.310	-0.535417	-7.462	N O P Q W Y AA AB
		-593.807	-5.084	11.714	N R V X Z
30	0.276	-829.336	-0.535417	-7.536	N O P Q W Y AA AB
		-595.833	-5.084	11.013	N R V X Z
30	0.413	-446.802	-1.816	-7.718	N R W Y AA AB
		-982.419	-3.803	10.421	N O P Q V X Z
30	0.551	-448.828	-1.816	-7.968	N R W Y AA AB
		-984.445	-3.803	9.897	N O P Q V X Z
30	0.689	-450.854	-1.816	-8.218	N R W Y AA AB
		-986.471	-3.803	9.373	N O P Q V X Z
30	0.827	-452.880	-1.816	-8.469	N R W Y AA AB
		-988.497	-3.803	8.849	N O P Q V X Z
30	0.964	-454.906	-1.816	-8.719	N R W Y AA AB
		-990.523	-3.803	8.325	N O P Q V X Z
30	1.102	-456.932	-1.816	-8.969	N R W Y AA AB
		-992.549	-3.803	7.801	N O P Q V X Z
30	1.240	-458.958	-1.816	-9.219	N R W Y AA AB
		-994.575	-3.803	7.277	N O P Q V X Z

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
31	0	-594.149	4.790	-11.674	N R W Y Z
		-827.651	0.241782	8.128	N O P Q V X AA AB
31	0.138	-596.175	4.790	-11.014	N R W Y Z
		-829.677	0.241782	8.162	N O P Q V X AA AB
31	0.276	-598.201	4.790	-10.354	N R W Y Z
		-831.703	0.241782	8.195	N O P Q V X AA AB
31	0.413	-984.787	3.510	-9.802	N O P Q W Y Z
		-449.169	1.522	8.337	N R V X AA AB
31	0.551	-986.813	3.510	-9.319	N O P Q W Y Z
		-451.196	1.522	8.546	N R V X AA AB
31	0.689	-988.839	3.510	-8.835	N O P Q W Y Z
		-453.222	1.522	8.756	N R V X AA AB
31	0.827	-990.865	3.510	-8.352	N O P Q W Y Z
		-455.248	1.522	8.966	N R V X AA AB
31	0.964	-992.891	3.510	-7.868	N O P Q W Y Z
		-457.274	1.522	9.176	N R V X AA AB
31	1.102	-994.917	3.510	-7.385	N O P Q W Y Z
		-459.300	1.522	9.385	N R V X AA AB
31	1.240	-996.943	3.510	-6.901	N O P Q W Y Z
		-461.326	1.522	9.595	N R V X AA AB
32	0	-883.762	3.694	-7.094	A B C M
		-498.018	-12.918	21.710	N R U X Y Z
32	0.138	-885.788	3.694	-6.585	A B C M
		-500.044	-12.918	19.930	N R U X Y Z
32	0.276	-886.630	3.336	-6.082	N O P Q AA AB
		-502.070	-12.918	18.150	N R U X Y Z
32	0.413	-888.656	3.336	-5.623	N O P Q AA AB
		-504.096	-12.918	16.370	N R U X Y Z
32	0.551	-875.529	1.480	-5.303	N O P Q Y AA AB
		-521.276	-11.062	14.730	N R U X Z
32	0.689	-877.555	1.480	-5.099	N O P Q Y AA AB
		-583.677	-2.320	13.693	N R V X Z
32	0.827	-879.581	1.480	-4.895	N O P Q Y AA AB
		-585.703	-2.320	13.373	N R V X Z
32	0.964	-881.607	1.480	-4.691	N O P Q Y AA AB
		-587.729	-2.320	13.054	N R V X Z
32	1.102	-823.258	-11.809	-5.761	N O P Q W Y AA AB
		-589.755	-2.320	12.734	N R V X Z
32	1.240	-825.284	-11.809	-7.388	N O P Q W Y AA AB
		-591.781	-2.320	12.414	N R V X Z
33	0	-500.386	12.815	-20.842	N R U X Y Z
		-884.946	-3.440	7.870	N O P Q AA AB
33	0.138	-502.412	12.815	-19.076	N R U X Y Z
		-886.972	-3.440	7.396	N O P Q AA AB
33	0.276	-504.438	12.815	-17.311	N R U X Y Z
		-888.998	-3.440	6.922	N O P Q AA AB
33	0.413	-506.464	12.815	-15.545	N R U X Y Z
		-891.024	-3.440	6.448	N O P Q AA AB
33	0.551	-523.643	10.959	-13.919	N R U Y Z

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-877.896	-1.583	6.114	N O P Q X AA AB
33	0.689	-586.045	2.217	-12.896	N R W Y Z
		-879.923	-1.583	5.896	N O P Q X AA AB
33	0.827	-588.071	2.217	-12.590	N R W Y Z
		-881.949	-1.583	5.678	N O P Q X AA AB
33	0.964	-590.097	2.217	-12.285	N R W Y Z
		-883.975	-1.583	5.459	N O P Q X AA AB
33	1.102	-592.123	2.217	-11.980	N R W Y Z
		-825.625	11.705	6.516	N O P Q V X AA AB
33	1.240	-594.149	2.217	-11.674	N R W Y Z
		-827.651	11.705	8.128	N O P Q V X AA AB
34	0	-880.681	10.352	-17.403	A B C J L
		-404.255	-42.103	65.070	N R W Y AA AB
34	0.138	-882.707	10.352	-15.976	A B C J L
		-406.281	-42.103	59.270	N R W Y AA AB
34	0.276	-884.733	10.352	-14.550	A B C J L
		-408.307	-42.103	53.469	N R W Y AA AB
34	0.413	-886.759	10.352	-13.124	A B C J L
		-410.333	-42.103	47.668	N R W Y AA AB
34	0.551	-888.785	10.352	-11.698	A B C J L
		-412.360	-42.103	41.867	N R W Y AA AB
34	0.689	-890.811	10.352	-10.271	A B C J L
		-414.386	-42.103	36.066	N R W Y AA AB
34	0.827	-892.837	7.919	-9.088	A B C J M
		-416.412	-37.644	30.710	N R W Y Z
34	0.964	-879.710	4.240	-8.262	A B C M
		-493.966	-18.949	26.932	N R U X Y Z
34	1.102	-881.736	4.240	-7.678	A B C M
		-495.992	-18.949	24.321	N R U X Y Z
34	1.240	-883.762	4.240	-7.094	A B C M
		-498.018	-18.949	21.710	N R U X Y Z
35	0	-406.623	42.876	-65.160	N R V X AA AB
		-880.681	-10.352	17.403	A B C K L
35	0.138	-408.649	42.876	-59.253	N R V X AA AB
		-882.707	-10.352	15.976	A B C K L
35	0.276	-410.675	42.876	-53.345	N R V X AA AB
		-884.733	-10.352	14.550	A B C K L
35	0.413	-412.701	42.876	-47.438	N R V X AA AB
		-886.759	-10.352	13.124	A B C K L
35	0.551	-414.727	42.876	-41.531	N R V X AA AB
		-888.785	-10.352	11.698	A B C K L
35	0.689	-416.753	42.876	-35.623	N R V X AA AB
		-890.811	-10.352	10.271	A B C K L
35	0.827	-418.779	38.416	-30.161	N R V X Z
		-892.837	-7.919	9.088	A B C K M
35	0.964	-496.334	19.722	-26.276	N R U X Y Z
		-880.894	-2.266	8.494	N O P Q AA AB
35	1.102	-498.360	19.722	-23.559	N R U X Y Z
		-882.920	-2.266	8.182	N O P Q AA AB

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
35	1.240	-500.386	19.722	-20.842	N R U X Y Z
		-884.946	-2.266	7.870	N O P Q AA AB
36	0	-921.638	53.490	-81.176	N O P Q V X Z
		-386.021	-69.360	151.076	N R W Y AA AB
36	0.138	-923.664	53.490	-73.806	N O P Q V X Z
		-388.047	-69.360	141.520	N R W Y AA AB
36	0.276	-925.691	53.490	-66.437	N O P Q V X Z
		-390.073	-69.360	131.964	N R W Y AA AB
36	0.413	-927.717	53.490	-59.067	N O P Q V X Z
		-392.099	-69.360	122.408	N R W Y AA AB
36	0.551	-929.743	53.490	-51.697	N O P Q V X Z
		-394.125	-69.360	112.851	N R W Y AA AB
36	0.689	-931.769	53.490	-44.327	N O P Q V X Z
		-396.151	-69.360	103.295	N R W Y AA AB
36	0.827	-933.795	53.490	-36.957	N O P Q V X Z
		-398.177	-69.360	93.739	N R W Y AA AB
36	0.964	-935.821	53.490	-29.588	N O P Q V X Z
		-400.203	-69.360	84.183	N R W Y AA AB
36	1.102	-937.847	53.490	-22.218	N O P Q V X Z
		-402.229	-69.360	74.627	N R W Y AA AB
36	1.240	-880.681	15.187	-17.403	A B C J L
		-404.255	-69.360	65.070	N R W Y AA AB
37	0	-388.389	72.099	-154.563	N R V X AA AB
		-924.006	-50.751	77.690	N O P Q W Y Z
37	0.138	-390.415	72.099	-144.629	N R V X AA AB
		-926.032	-50.751	70.697	N O P Q W Y Z
37	0.276	-392.441	72.099	-134.695	N R V X AA AB
		-928.058	-50.751	63.705	N O P Q W Y Z
37	0.413	-394.467	72.099	-124.762	N R V X AA AB
		-930.084	-50.751	56.713	N O P Q W Y Z
37	0.551	-396.493	72.099	-114.828	N R V X AA AB
		-932.110	-50.751	49.720	N O P Q W Y Z
37	0.689	-398.519	72.099	-104.894	N R V X AA AB
		-934.136	-50.751	42.728	N O P Q W Y Z
37	0.827	-400.545	72.099	-94.961	N R V X AA AB
		-934.978	-50.292	35.745	A B C I K L
37	0.964	-402.571	72.099	-85.027	N R V X AA AB
		-937.004	-50.292	28.815	A B C I K L
37	1.102	-404.597	72.099	-75.093	N R V X AA AB
		-939.030	-50.292	21.886	A B C I K L
37	1.240	-406.623	72.099	-65.160	N R V X AA AB
		-880.681	-15.187	17.403	A B C K L
38	0	-903.404	90.092	-192.890	N O P Q V X Z
		-367.787	-55.974	220.484	N R W Y AA AB
38	0.138	-905.430	90.092	-180.477	N O P Q V X Z
		-369.813	-55.974	212.772	N R W Y AA AB
38	0.276	-907.456	90.092	-168.065	N O P Q V X Z
		-371.839	-55.974	205.060	N R W Y AA AB

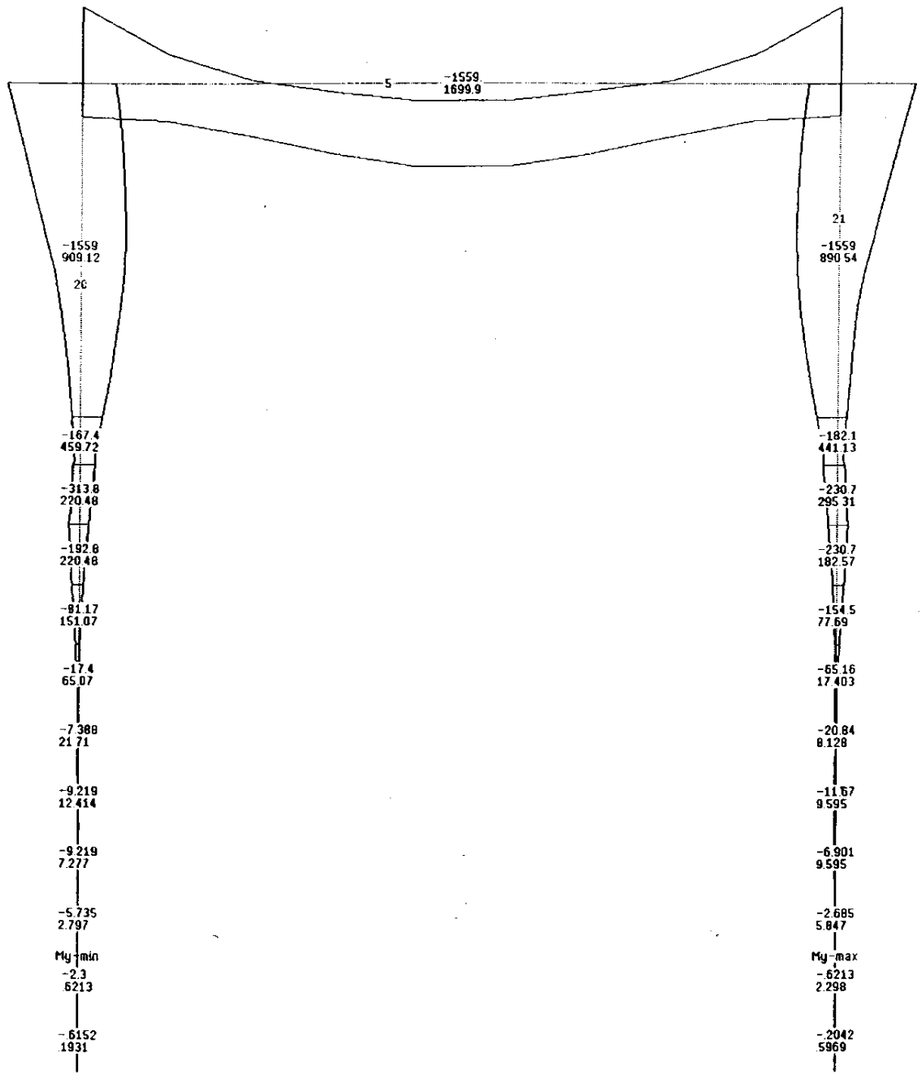
ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
38	0.413	-909.482	90.092	-155.652	N O P Q V X Z
		-373.865	-55.974	197.348	N R W Y AA AB
38	0.551	-911.508	90.092	-143.239	N O P Q V X Z
		-375.891	-55.974	189.636	N R W Y AA AB
38	0.689	-913.534	90.092	-130.827	N O P Q V X Z
		-377.917	-55.974	181.924	N R W Y AA AB
38	0.827	-915.560	90.092	-118.414	N O P Q V X Z
		-379.943	-55.974	174.212	N R W Y AA AB
38	0.964	-917.586	90.092	-106.001	N O P Q V X Z
		-381.969	-55.974	166.500	N R W Y AA AB
38	1.102	-919.612	90.092	-93.589	N O P Q V X Z
		-383.995	-55.974	158.788	N R W Y AA AB
38	1.240	-921.638	90.092	-81.176	N O P Q V X Z
		-386.021	-55.974	151.076	N R W Y AA AB
39	0	-370.155	61.479	-230.797	N R V X AA AB
		-905.772	-84.587	182.577	N O P Q W Y Z
39	0.138	-372.181	61.479	-222.326	N R V X AA AB
		-907.798	-84.587	170.923	N O P Q W Y Z
39	0.276	-374.207	61.479	-213.856	N R V X AA AB
		-909.824	-84.587	159.269	N O P Q W Y Z
39	0.413	-376.233	61.479	-205.385	N R V X AA AB
		-911.850	-84.587	147.615	N O P Q W Y Z
39	0.551	-378.259	61.479	-196.915	N R V X AA AB
		-913.876	-84.587	135.960	N O P Q W Y Z
39	0.689	-380.285	61.479	-188.444	N R V X AA AB
		-915.902	-84.587	124.306	N O P Q W Y Z
39	0.827	-382.311	61.479	-179.974	N R V X AA AB
		-917.928	-84.587	112.652	N O P Q W Y Z
39	0.964	-384.337	61.479	-171.504	N R V X AA AB
		-919.954	-84.587	100.998	N O P Q W Y Z
39	1.102	-386.363	61.479	-163.033	N R V X AA AB
		-921.980	-84.587	89.344	N O P Q W Y Z
39	1.240	-388.389	61.479	-154.563	N R V X AA AB
		-924.006	-84.587	77.690	N O P Q W Y Z
40	0	-500.610	117.044	-313.899	N R V X Z
		-734.113	45.806	139.560	N O P Q W Y AA AB
40	0.138	-502.636	117.044	-297.773	N R V X Z
		-736.139	45.806	145.871	N O P Q W Y AA AB
40	0.276	-504.662	117.044	-281.647	N R V X Z
		-738.165	45.806	152.182	N O P Q W Y AA AB
40	0.413	-506.688	117.044	-265.521	N R V X Z
		-740.191	45.806	158.493	N O P Q W Y AA AB
40	0.551	-508.714	117.044	-249.395	N R V X Z
		-742.217	45.806	164.804	N O P Q W Y AA AB
40	0.689	-895.300	77.141	-235.404	N O P Q V X Z
		-359.683	85.708	173.249	N R W Y AA AB
40	0.827	-897.326	77.141	-224.775	N O P Q V X Z
		-361.709	85.708	185.058	N R W Y AA AB
40	0.964	-899.352	77.141	-214.147	N O P Q V X Z

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-363.735	85.708	196.866	N R W Y AA AB
40	1.102	-901.378	77.141	-203.519	N O P Q V X Z
		-365.761	85.708	208.675	N R W Y AA AB
40	1.240	-903.404	77.141	-192.890	N O P Q V X Z
		-367.787	85.708	220.484	N R W Y AA AB
41	0	-736.480	-39.134	-158.145	N O P Q V X AA AB
		-502.978	-110.372	295.314	N R W Y Z
41	0.138	-738.506	-39.134	-163.537	N O P Q V X AA AB
		-505.004	-110.372	280.107	N R W Y Z
41	0.276	-740.532	-39.134	-168.929	N O P Q V X AA AB
		-507.030	-110.372	264.900	N R W Y Z
41	0.413	-742.558	-39.134	-174.321	N O P Q V X AA AB
		-509.056	-110.372	249.693	N R W Y Z
41	0.551	-744.585	-39.134	-179.713	N O P Q V X AA AB
		-511.082	-110.372	234.486	N R W Y Z
41	0.689	-362.051	-79.036	-187.239	N R V X AA AB
		-897.668	-70.470	221.414	N O P Q W Y Z
41	0.827	-364.077	-79.036	-198.128	N R V X AA AB
		-899.694	-70.470	211.705	N O P Q W Y Z
41	0.964	-366.103	-79.036	-209.018	N R V X AA AB
		-901.720	-70.470	201.995	N O P Q W Y Z
41	1.102	-368.129	-79.036	-219.907	N R V X AA AB
		-903.746	-70.470	192.286	N O P Q W Y Z
41	1.240	-370.155	-79.036	-230.797	N R V X AA AB
		-905.772	-70.470	182.577	N O P Q W Y Z

Escala 1 : 122.7
Section forces envelope My, GWSP DT (E.L.S.), View "ALL"
- Struktur: Staebe
- Envelop Moment My-min, Scaling 1.00E-03
  min: -1.56E+03 max: 3.60E+02 [kNm]
- Envelop Moment My-max, Scaling 1.00E-03
  min: 1.93E-09 max: 1.70E+03 [kNm]
- Text envelopes [kNm]



ENVOLVENTE: DU 'E.L.S.50%SC'

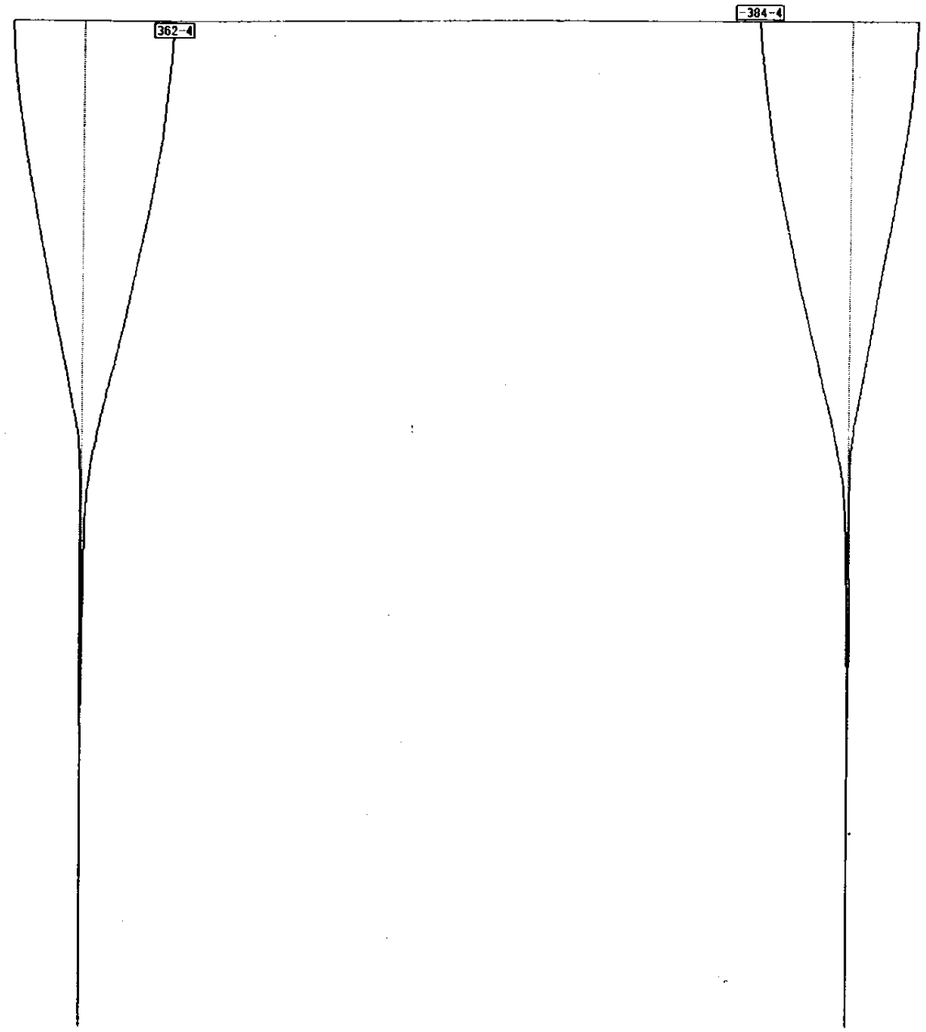
Grupo	Espe.	Hipótesis	Factor	Etapa	Título
A	PERM.	1	1.000	5	Peso propio. articulada.
	Y	14Z	1.000	5	Pretensado. articulada
	Y	15	1.000	5	Peso losa. articulada.
	Y	17	1.000	6	Carga muerta. empotrada.
B	MAS	18	0.500000	6	SC uniforme. empotrada.
C	MAS	19	0.500000	6	SC carro. empotrada.
D	MAS	20	1.000	6	Gradiente térmico. empotrada.
E	MAS	21	1.000	6	Empuje tierra lado1 arriba.emp
	Y	22	1.000	6	Empuje tierra lado2 arriba.emp
F	O	23	1.000	6	Empuje tierra lado1 abajo.emp.
	Y	24	1.000	6	Empuje tierra lado2 abajo.emp.
G	O	25	1.000	6	Empuje lado 1 servicio. emp.
	Y	26	1.000	6	Empuje lado2 servicio. emp.
H	O	25	1.000	6	Empuje lado 1 servicio. emp.
	Y	24	1.000	6	Empuje tierra lado2 abajo.emp.
I	O	26	1.000	6	Empuje lado2 servicio. emp.
	Y	23	1.000	6	Empuje tierra lado1 abajo.emp.
J	MAS	27	0.500000	6	SC maquinaria lado 1. emp.
K	MAS	28	0.500000	6	SC maquinaria lado2. emp.
L	MAS	32	1.500	6	Temp. unifor.empotrada
M	O	32	-1.500	6	Temp. unifor.empotrada

ALTERNATIVA PARA ENVOLVENTE:

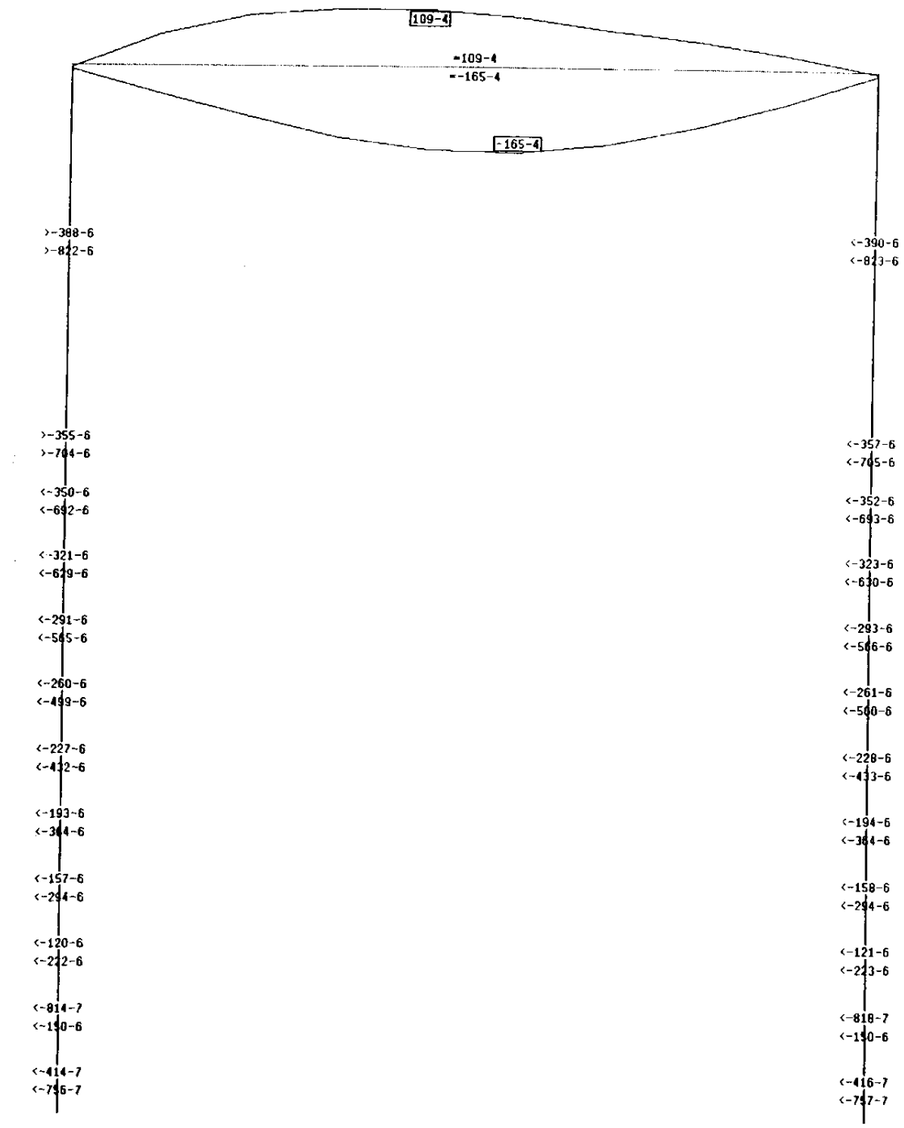
N	PERM.	1	0.150000	5	Peso propio. articulada.
	Y	15	0.150000	5	Peso losa. articulada.
	Y	16	0.850000	6	Peso prop. losa+viga.emp.
	Y	14Z	0.127500	5	Pretensado. articulada
	Y	292	0.722500	6	Pretensado. empotrado.
O	MAS	17	1.000	6	Carga muerta. empotrada.
P	MAS	18	0.500000	6	SC uniforme. empotrada.
Q	MAS	19	0.500000	6	SC carro. empotrada.
R	MAS	20	1.000	6	Gradiente térmico. empotrada.
S	MAS	21	1.000	6	Empuje tierra lado1 arriba.emp
	Y	22	1.000	6	Empuje tierra lado2 arriba.emp
T	O	23	1.000	6	Empuje tierra lado1 abajo.emp.
	Y	24	1.000	6	Empuje tierra lado2 abajo.emp.
U	O	25	1.000	6	Empuje lado 1 servicio. emp.
	Y	26	1.000	6	Empuje lado2 servicio. emp.
V	O	24	1.000	6	Empuje tierra lado2 abajo.emp.
	Y	25	1.000	6	Empuje lado 1 servicio. emp.
W	O	23	1.000	6	Empuje tierra lado1 abajo.emp.
	Y	26	1.000	6	Empuje lado2 servicio. emp.
X	MAS	27	0.500000	6	SC maquinaria lado 1. emp.
Y	MAS	28	0.500000	6	SC maquinaria lado2. emp.
Z	MAS	32	1.000	6	Temp. unifor.empotrada
AA	O	32	-1.000	6	Temp. unifor.empotrada
AB	MAS	33	1.000	6	Reológico empotrada

(Z = Sólo parte hiperestático del pretensado)

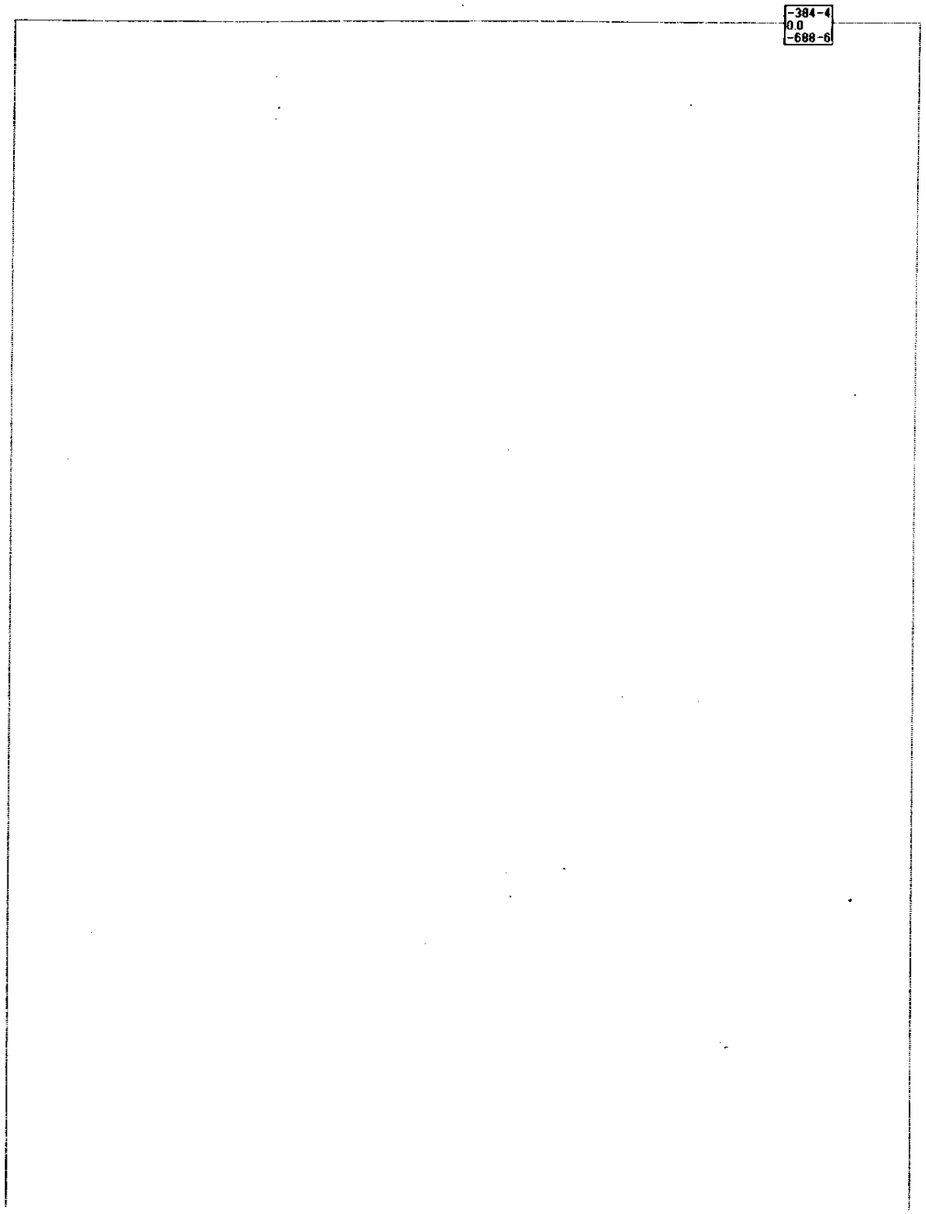
Escala 1 : 120.6
Displacements envelope DX [M], GWSP DU (E.L.S.50%SC), View "ALL"
- Struktur: Staebe
- Minimum displacements DX, Ueberh: 5.0E1
- Maximum displacements DX, Ueberh: 5.0E1
- Label minimum value DX-Min. [M]
- Label maximum value DX-Max. [M]



Escala 1 : 115.4
Displacements envelope DZ [M], GWSP DU (E.L.S.50%SC), View "ALL"
- Struktur: Staebe
- Minimum displacements DZ, Ueberh: 1.0E2
- Beschriftung Min.Verschiebungen DZ [M]
- Maximum displacements DZ, Ueberh: 1.0E2
- Beschriftung Max.Verschiebungen DZ [M]
- Label minimum value DZ-Min. [M]
- Label maximum value DZ-Max. [M]



Escala 1 : 102.4
Deformed structure, GWSP DU (E.L.S.50%SC), View "ALL"
- Struktur: Staebe
- V-Max , Text: Vx,Vy,Vz [M]



ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
1	0	-794.827	-62.565	248.411	A B C H J L
		-357.130	440.311	-100.074	N R W Y AA AB
1	0.111	-788.160	-69.959	241.047	A B C H J L
		-350.463	426.781	-51.904	N R W Y AA AB
1	0.222	-781.494	-77.185	232.870	A B C H J L
		-343.796	413.413	-5.228	N R W Y AA AB
1	0.333	-774.827	-84.242	223.901	A B C H J L
		-337.130	400.207	39.972	N R W Y AA AB
1	0.444	-768.160	-91.132	214.156	A B C H J L
		-330.463	387.163	83.713	N R W Y AA AB
1	0.556	-761.494	-97.853	203.655	A B C H J L
		-323.796	374.281	126.014	N R W Y AA AB
1	0.667	-754.827	-104.406	192.417	A B C H J L
		-317.130	361.561	166.892	N R W Y AA AB
1	0.778	-748.160	-110.791	180.460	A B C H J L
		-310.463	349.004	206.367	N R W Y AA AB
1	0.889	-741.494	-117.008	167.803	A B C H J L
		-303.796	336.608	244.455	N R W Y AA AB
1	1.000	-734.827	-123.057	154.465	A B C H J L
		-297.130	324.374	281.174	N R W Y AA AB
2	0	-736.011	88.757	129.030	N O P Q R W Y AA AB
		-299.497	-291.667	293.943	N V X Z
2	0.111	-742.678	82.708	138.557	N O P Q R W Y AA AB
		-306.164	-303.901	260.857	N V X Z
2	0.222	-749.344	76.491	147.403	N O P Q R W Y AA AB
		-312.830	-316.296	226.403	N V X Z
2	0.333	-756.011	70.106	155.549	N O P Q R W Y AA AB
		-319.497	-328.854	190.563	N V X Z
2	0.444	-762.678	63.553	162.976	N O P Q R W Y AA AB
		-326.164	-341.574	153.318	N V X Z
2	0.556	-769.344	56.831	169.666	N O P Q R W Y AA AB
		-332.830	-354.456	114.652	N V X Z
2	0.667	-776.011	49.942	175.599	N O P Q R W Y AA AB
		-339.497	-367.500	74.545	N V X Z
2	0.778	-782.678	42.884	180.758	N O P Q R W Y AA AB
		-346.164	-380.706	32.979	N V X Z
2	0.889	-789.344	35.659	185.123	N O P Q R W Y AA AB
		-352.830	-394.074	-10.063	N V X Z
2	1.000	-796.011	28.265	188.676	N O P Q R W Y AA AB
		-359.497	-407.604	-54.599	N V X Z
5	0	-330.335	437.985	-809.310	A B C G J K L
		32.833	136.191	202.263	N R AA AB
5	1.744	-330.335	352.333	-119.977	A B C G J K L
		32.833	105.663	413.214	N R AA AB
5	3.489	-330.335	266.681	419.940	A B C G J K L
		32.833	75.136	570.911	N R AA AB
5	5.233	-330.335	181.028	810.442	A B C G J K L
		32.833	44.608	675.354	N R AA AB
5	6.848	-330.335	101.727	1038.780	A B C G J K L

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		32.833	16.344	724.576	N R AA AB
5	6.852	-330.335	49.023	1039.017	A B C G J K L
		32.833	16.289	724.627	N R AA AB
5	6.978	-330.335	42.826	1044.813	A B C G J K L
		32.833	14.080	726.543	N R AA AB
5	8.722	-330.335	-42.826	1044.813	A B C G J K L
		32.833	-16.448	724.478	N R AA AB
5	8.848	-330.335	-49.023	1039.017	A B C G J K L
		32.833	-18.656	722.263	N R AA AB
5	8.852	-330.335	-101.727	1038.780	A B C G J K L
		32.833	-18.711	722.204	N R AA AB
5	10.467	-330.335	-181.028	810.442	A B C G J K L
		32.833	-46.975	669.159	N R AA AB
5	12.211	-330.335	-266.681	419.940	A B C G J K L
		32.833	-77.503	560.586	N R AA AB
5	13.956	-330.335	-352.333	-119.977	A B C G J K L
		32.833	-108.031	398.759	N R AA AB
5	15.700	-330.335	-437.985	-809.310	A B C G J K L
		32.833	-138.559	183.678	N R AA AB
20	0	-734.827	-123.057	154.465	A B C H J L
		-297.130	324.374	281.174	N R W Y AA AB
20	0.767	-704.742	-160.214	45.366	A B C H J L
		-267.044	244.379	498.704	N R W Y AA AB
20	1.533	-675.820	-189.368	-89.152	A B C H J L
		-238.123	172.099	657.861	N R W Y AA AB
20	2.300	-648.062	-210.518	-242.953	A B C H J L
		-210.364	107.535	764.561	N R W Y AA AB
20	3.067	-621.466	-223.666	-409.901	A B C H J L
		-183.769	50.687	824.720	N R W Y AA AB
20	3.833	-596.034	-228.811	-583.862	A B C H J L
		-158.336	1.553	844.252	N R W Y AA AB
20	3.943	-592.496	-228.892	-608.928	A B C H J L
		-154.798	-4.836	844.071	N R W Y AA AB
20	4.600	-571.765	-228.892	-759.343	A B C H J L
		-134.067	-39.864	829.073	N R W Y AA AB
20	5.367	-548.659	-228.892	-934.827	A B C H J L
		-110.961	-73.566	785.099	N R W Y AA AB
20	6.133	-526.716	-228.892	-1110.311	A B C H J L
		-89.019	-99.553	718.243	N R W Y AA AB
20	6.900	-505.937	-228.892	-1285.796	A B C H J L
		-68.239	-117.824	634.423	N R W Y AA AB
21	0	-507.121	194.592	-1074.558	N O P Q R W Y AA AB
		-70.607	150.531	421.510	N V X Z
21	0.767	-527.900	194.592	-925.371	N O P Q R W Y AA AB
		-91.386	132.260	530.407	N V X Z
21	1.533	-549.843	194.592	-776.183	N O P Q R W Y AA AB
		-113.329	106.274	622.338	N V X Z
21	2.300	-572.949	194.592	-626.996	N O P Q R W Y AA AB
		-136.435	72.572	691.388	N V X Z

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
21	2.957	-593.679	194.592	-499.121	N O P Q R W Y AA AB
		-157.166	37.543	727.879	N V X Z
21	3.067	-597.218	194.510	-477.812	N O P Q R W Y AA AB
		-160.704	31.154	731.642	N V X Z
21	3.833	-622.650	189.366	-330.148	N O P Q R W Y AA AB
		-186.136	-17.979	737.186	N V X Z
21	4.600	-649.245	176.218	-189.497	N O P Q R W Y AA AB
		-212.732	-74.828	702.102	N V X Z
21	5.367	-677.004	155.067	-61.993	N O P Q R W Y AA AB
		-240.490	-139.392	620.478	N V X Z
21	6.133	-705.926	125.914	46.228	N O P Q R W Y AA AB
		-269.412	-211.672	486.396	N V X Z
21	6.900	-736.011	88.757	129.030	N O P Q R W Y AA AB
		-299.497	-291.667	293.943	N V X Z
22	0	-958.935	0.132879	-0.164770	A B C H J L
		-521.237	0.377451	-0.468039	N R W Y AA AB
22	0.138	-960.961	0.132879	-0.146462	A B C H J L
		-523.263	0.377451	-0.416035	N R W Y AA AB
22	0.276	-962.987	0.132879	-0.128155	A B C H J L
		-525.289	0.377451	-0.364030	N R W Y AA AB
22	0.413	-965.013	0.132879	-0.109847	A B C H J L
		-527.315	0.377451	-0.312026	N R W Y AA AB
22	0.551	-967.039	0.132879	-0.091539	A B C H J L
		-529.341	0.377451	-0.260022	N R W Y AA AB
22	0.689	-969.065	0.132879	-0.073231	A B C H J L
		-531.367	0.377451	-0.208017	N R W Y AA AB
22	0.827	-971.091	0.132879	-0.054923	A B C H J L
		-533.393	0.377451	-0.156013	N R W Y AA AB
22	0.964	-973.117	0.132879	-0.036616	A B C H J L
		-535.420	0.377451	-0.104009	N R W Y AA AB
22	1.102	-975.143	0.132879	-0.018308	A B C H J L
		-537.446	0.377451	-0.052004	N R W Y AA AB
22	1.240	-977.169	0.132879	-1.65E-09	A B C H J L
		-539.472	0.377451	-4.68E-09	N R W Y AA AB
23	0	-960.119	-0.120918	0.149938	N O P Q R W Y AA AB
		-523.605	-0.379710	0.470840	N V X Z
23	0.138	-962.145	-0.120918	0.133278	N O P Q R W Y AA AB
		-525.631	-0.379710	0.418525	N V X Z
23	0.276	-964.171	-0.120918	0.116618	N O P Q R W Y AA AB
		-527.657	-0.379710	0.366209	N V X Z
23	0.413	-966.197	-0.120918	0.099958	N O P Q R W Y AA AB
		-529.683	-0.379710	0.313893	N V X Z
23	0.551	-968.223	-0.120918	0.083299	N O P Q R W Y AA AB
		-531.709	-0.379710	0.261578	N V X Z
23	0.689	-970.249	-0.120918	0.066639	N O P Q R W Y AA AB
		-533.735	-0.379710	0.209262	N V X Z
23	0.827	-972.275	-0.120918	0.049979	N O P Q R W Y AA AB
		-535.761	-0.379710	0.156947	N V X Z
23	0.964	-974.301	-0.120918	0.033319	N O P Q R W Y AA AB

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-537.787	-0.379710	0.104631	N V X Z
23	1.102	-976.327	-0.120918	0.016660	N O P Q R W Y AA AB
		-539.813	-0.379710	0.052316	N V X Z
23	1.240	-978.353	-0.120918	1.50E-09	N O P Q R W Y AA AB
		-541.839	-0.379710	4.71E-09	N V X Z
24	0	-940.701	-0.362967	0.285309	A B C H J L
		-503.003	1.365	-2.161	N R W Y AA AB
24	0.138	-942.727	-0.362967	0.235300	A B C H J L
		-505.029	1.365	-1.973	N R W Y AA AB
24	0.276	-944.753	-0.362967	0.185291	A B C H J L
		-507.055	1.365	-1.785	N R W Y AA AB
24	0.413	-946.779	-0.362967	0.135283	A B C H J L
		-509.081	1.365	-1.597	N R W Y AA AB
24	0.551	-948.805	-0.362967	0.085274	A B C H J L
		-511.107	1.365	-1.409	N R W Y AA AB
24	0.689	-950.831	-0.362967	0.035265	A B C H J L
		-513.133	1.365	-1.221	N R W Y AA AB
24	0.827	-952.857	-0.362967	-0.014744	A B C H J L
		-515.159	1.365	-1.032	N R W Y AA AB
24	0.964	-954.883	-0.362967	-0.064752	A B C H J L
		-517.185	1.365	-0.844306	N R W Y AA AB
24	1.102	-956.909	-0.362967	-0.114761	A B C H J L
		-519.211	1.365	-0.656173	N R W Y AA AB
24	1.240	-958.935	-0.362967	-0.164770	A B C H J L
		-521.237	1.365	-0.468039	N R W Y AA AB
25	0	-941.885	0.219127	-0.121780	N O P Q R W Y AA AB
		-505.371	-1.237	2.004	N V X Z
25	0.138	-943.911	0.219127	-0.091589	N O P Q R W Y AA AB
		-507.397	-1.237	1.834	N V X Z
25	0.276	-945.937	0.219127	-0.061398	N O P Q R W Y AA AB
		-509.423	-1.237	1.663	N V X Z
25	0.413	-947.963	0.219127	-0.031208	N O P Q R W Y AA AB
		-511.449	-1.237	1.493	N V X Z
25	0.551	-949.989	0.219127	-0.001017	N O P Q R W Y AA AB
		-513.475	-1.237	1.323	N V X Z
25	0.689	-952.015	0.219127	0.029174	N O P Q R W Y AA AB
		-515.501	-1.237	1.152	N V X Z
25	0.827	-954.041	0.219127	0.059365	N O P Q R W Y AA AB
		-517.527	-1.237	0.981973	N V X Z
25	0.964	-956.067	0.219127	0.089556	N O P Q R W Y AA AB
		-519.553	-1.237	0.811595	N V X Z
25	1.102	-958.093	0.219127	0.119747	N O P Q R W Y AA AB
		-521.579	-1.237	0.641218	N V X Z
25	1.240	-960.119	0.219127	0.149938	N O P Q R W Y AA AB
		-523.605	-1.237	0.470840	N V X Z
26	0	-922.467	-1.524	2.176	A B C H J L
		-484.769	2.567	-5.344	N R W Y AA AB
26	0.138	-924.493	-1.524	1.965	A B C H J L

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-486.795	2.567	-4.990	N R W Y AA AB
26	0.276	-926.519	-1.524	1.755	A B C H J L
		-488.821	2.567	-4.637	N R W Y AA AB
26	0.413	-928.545	-1.524	1.545	A B C H J L
		-490.847	2.567	-4.283	N R W Y AA AB
26	0.551	-930.571	-1.524	1.335	A B C H J L
		-492.873	2.567	-3.929	N R W Y AA AB
26	0.689	-932.597	-1.524	1.125	A B C H J L
		-494.899	2.567	-3.576	N R W Y AA AB
26	0.827	-934.623	-1.524	0.915376	A B C H J L
		-496.925	2.567	-3.222	N R W Y AA AB
26	0.964	-936.649	-1.524	0.705354	A B C H J L
		-498.951	2.567	-2.869	N R W Y AA AB
26	1.102	-938.675	-1.524	0.495331	A B C H J L
		-500.977	2.567	-2.515	N R W Y AA AB
26	1.240	-940.701	-1.524	0.285309	A B C H J L
		-503.003	2.567	-2.161	N R W Y AA AB
27	0	-923.650	1.067	-1.445	N O P Q R W Y AA AB
		-487.137	-2.188	4.717	N V X Z
27	0.138	-925.676	1.067	-1.298	N O P Q R W Y AA AB
		-489.163	-2.188	4.416	N V X Z
27	0.276	-927.702	1.067	-1.151	N O P Q R W Y AA AB
		-491.189	-2.188	4.114	N V X Z
27	0.413	-929.728	1.067	-1.004	N O P Q R W Y AA AB
		-493.215	-2.188	3.813	N V X Z
27	0.551	-931.754	1.067	-0.856973	N O P Q R W Y AA AB
		-495.241	-2.188	3.511	N V X Z
27	0.689	-933.780	1.067	-0.709935	N O P Q R W Y AA AB
		-497.267	-2.188	3.210	N V X Z
27	0.827	-935.806	1.067	-0.562896	N O P Q R W Y AA AB
		-499.293	-2.188	2.909	N V X Z
27	0.964	-937.833	1.067	-0.415857	N O P Q R W Y AA AB
		-501.319	-2.188	2.607	N V X Z
27	1.102	-939.859	1.067	-0.268819	N O P Q R W Y AA AB
		-503.345	-2.188	2.306	N V X Z
27	1.240	-941.885	1.067	-0.121780	N O P Q R W Y AA AB
		-505.371	-2.188	2.004	N V X Z
28	0	-904.232	-3.041	5.946	A B C H J L
		-466.535	2.557	-8.515	N R W Y AA AB
28	0.138	-906.258	-3.041	5.527	A B C H J L
		-468.561	2.557	-8.163	N R W Y AA AB
28	0.276	-908.284	-3.041	5.108	A B C H J L
		-470.587	2.557	-7.810	N R W Y AA AB
28	0.413	-910.310	-3.041	4.689	A B C H J L
		-472.613	2.557	-7.458	N R W Y AA AB
28	0.551	-912.336	-3.041	4.270	A B C H J L
		-474.639	2.557	-7.106	N R W Y AA AB
28	0.689	-914.362	-3.041	3.851	A B C H J L
		-476.665	2.557	-6.753	N R W Y AA AB

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
28	0.827	-916.388	-3.041	3.432	A B C H J L
		-478.691	2.557	-6.401	N R W Y AA AB
28	0.964	-918.415	-3.041	3.013	A B C H J L
		-480.717	2.557	-6.049	N R W Y AA AB
28	1.102	-920.441	-3.041	2.594	A B C H J L
		-482.743	2.557	-5.696	N R W Y AA AB
28	1.240	-922.467	-3.041	2.176	A B C H J L
		-484.769	2.557	-5.344	N R W Y AA AB
29	0	-905.416	2.248	-4.232	N O P Q R W Y AA AB
		-468.902	-1.932	7.113	N V X Z
29	0.138	-907.442	2.248	-3.923	N O P Q R W Y AA AB
		-470.928	-1.932	6.847	N V X Z
29	0.276	-909.468	2.248	-3.613	N O P Q R W Y AA AB
		-472.954	-1.932	6.581	N V X Z
29	0.413	-911.494	2.248	-3.303	N O P Q R W Y AA AB
		-474.980	-1.932	6.315	N V X Z
29	0.551	-913.520	2.248	-2.994	N O P Q R W Y AA AB
		-477.006	-1.932	6.048	N V X Z
29	0.689	-915.546	2.248	-2.684	N O P Q R W Y AA AB
		-479.032	-1.932	5.782	N V X Z
29	0.827	-917.572	2.248	-2.374	N O P Q R W Y AA AB
		-481.058	-1.932	5.516	N V X Z
29	0.964	-919.598	2.248	-2.065	N O P Q R W Y AA AB
		-483.085	-1.932	5.250	N V X Z
29	1.102	-921.624	2.248	-1.755	N O P Q R W Y AA AB
		-485.111	-1.932	4.983	N V X Z
29	1.240	-923.650	2.248	-1.445	N O P Q R W Y AA AB
		-487.137	-1.932	4.717	N V X Z
30	0	-885.998	-3.441	10.213	A B C H J L
		-448.301	-1.820	-6.258	N R W Y AA AB
30	0.138	-888.024	-3.441	9.739	A B C H J L
		-450.327	-1.820	-6.509	N R W Y AA AB
30	0.276	-890.050	-3.441	9.265	A B C H J L
		-452.353	-1.820	-6.760	N R W Y AA AB
30	0.413	-892.076	-3.441	8.791	A B C H J L
		-454.379	-1.820	-7.011	N R W Y AA AB
30	0.551	-894.102	-3.441	8.317	A B C H J L
		-456.405	-1.820	-7.261	N R W Y AA AB
30	0.689	-896.128	-3.441	7.843	A B C H J L
		-458.431	-1.820	-7.512	N R W Y AA AB
30	0.827	-898.154	-3.441	7.369	A B C H J L
		-460.457	-1.820	-7.763	N R W Y AA AB
30	0.964	-900.180	-3.441	6.894	A B C H J L
		-462.483	-1.820	-8.014	N R W Y AA AB
30	1.102	-902.206	-3.441	6.420	A B C H J L
		-464.509	-1.820	-8.264	N R W Y AA AB
30	1.240	-904.232	-3.441	5.946	A B C H J L
		-466.535	-1.820	-8.515	N R W Y AA AB

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
31	0	-887.182	2.763	-7.658	N O P Q R W Y AA AB
		-450.668	2.286	4.279	N V X Z
31	0.138	-889.208	2.763	-7.277	N O P Q R W Y AA AB
		-452.694	2.286	4.594	N V X Z
31	0.276	-891.234	2.763	-6.897	N O P Q R W Y AA AB
		-454.720	2.286	4.909	N V X Z
31	0.413	-893.260	2.763	-6.516	N O P Q R W Y AA AB
		-456.746	2.286	5.224	N V X Z
31	0.551	-895.286	2.763	-6.135	N O P Q R W Y AA AB
		-458.772	2.286	5.539	N V X Z
31	0.689	-897.312	2.763	-5.755	N O P Q R W Y AA AB
		-460.798	2.286	5.853	N V X Z
31	0.827	-899.338	2.763	-5.374	N O P Q R W Y AA AB
		-462.824	2.286	6.168	N V X Z
31	0.964	-901.364	2.763	-4.994	N O P Q R W Y AA AB
		-464.850	2.286	6.483	N V X Z
31	1.102	-903.390	2.763	-4.613	N O P Q R W Y AA AB
		-466.876	2.286	6.798	N V X Z
31	1.240	-905.416	2.763	-4.232	N O P Q R W Y AA AB
		-468.902	2.286	7.113	N V X Z
32	0	-867.764	0.837211	9.175	A B C H J L
		-430.066	-15.064	12.421	N R W Y AA AB
32	0.138	-869.790	0.837211	9.291	A B C H J L
		-432.092	-15.064	10.345	N R W Y AA AB
32	0.276	-871.816	0.837211	9.406	A B C H J L
		-434.118	-15.064	8.270	N R W Y AA AB
32	0.413	-873.842	0.837211	9.521	A B C H J L
		-436.144	-15.064	6.194	N R W Y AA AB
32	0.551	-875.868	0.837211	9.637	A B C H J L
		-438.170	-15.064	4.119	N R W Y AA AB
32	0.689	-877.894	0.837211	9.752	A B C H J L
		-440.196	-15.064	2.044	N R W Y AA AB
32	0.827	-879.920	0.837211	9.867	A B C H J L
		-442.222	-15.064	-0.031877	N R W Y AA AB
32	0.964	-881.946	0.837211	9.983	A B C H J L
		-444.249	-15.064	-2.107	N R W Y AA AB
32	1.102	-883.972	0.837211	10.098	A B C H J L
		-446.275	-15.064	-4.183	N R W Y AA AB
32	1.240	-885.998	0.837211	10.213	A B C H J L
		-448.301	-15.064	-6.258	N R W Y AA AB
33	0	-868.948	0.047218	-7.716	N O P Q R W Y AA AB
		-432.434	14.156	-13.275	N V X Z
33	0.138	-870.974	0.047218	-7.710	N O P Q R W Y AA AB
		-434.460	14.156	-11.325	N V X Z
33	0.276	-873.000	0.047218	-7.703	N O P Q R W Y AA AB
		-436.486	14.156	-9.374	N V X Z
33	0.413	-875.026	0.047218	-7.697	N O P Q R W Y AA AB
		-438.512	14.156	-7.424	N V X Z
33	0.551	-877.052	0.047218	-7.690	N O P Q R W Y AA AB

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-440.538	14.156	-5.473	N V X Z
33	0.689	-879.078	0.047218	-7.684	N O P Q R W Y AA AB
		-442.564	14.156	-3.523	N V X Z
33	0.827	-881.104	0.047218	-7.677	N O P Q R W Y AA AB
		-444.590	14.156	-1.573	N V X Z
33	0.964	-883.130	0.047218	-7.671	N O P Q R W Y AA AB
		-446.616	14.156	0.377839	N V X Z
33	1.102	-885.156	0.047218	-7.664	N O P Q R W Y AA AB
		-448.642	14.156	2.328	N V X Z
33	1.240	-887.182	0.047218	-7.658	N O P Q R W Y AA AB
		-450.668	14.156	4.279	N V X Z
34	0	-849.530	15.309	-9.807	A B C H J L
		-411.832	-39.254	61.096	N R W Y AA AB
34	0.138	-851.556	15.309	-7.698	A B C H J L
		-413.858	-39.254	55.688	N R W Y AA AB
34	0.276	-853.582	15.309	-5.589	A B C H J L
		-415.884	-39.254	50.279	N R W Y AA AB
34	0.413	-855.608	15.309	-3.480	A B C H J L
		-417.910	-39.254	44.871	N R W Y AA AB
34	0.551	-857.634	15.309	-1.371	A B C H J L
		-419.936	-39.254	39.463	N R W Y AA AB
34	0.689	-859.660	15.309	0.738541	A B C H J L
		-421.962	-39.254	34.054	N R W Y AA AB
34	0.827	-861.686	15.309	2.848	A B C H J L
		-423.988	-39.254	28.646	N R W Y AA AB
34	0.964	-863.712	15.309	4.957	A B C H J L
		-426.014	-39.254	23.237	N R W Y AA AB
34	1.102	-865.738	15.309	7.066	A B C H J L
		-428.040	-39.254	17.829	N R W Y AA AB
34	1.240	-867.764	15.309	9.175	A B C H J L
		-430.066	-39.254	12.421	N R W Y AA AB
35	0	-850.714	-10.093	4.798	N O P Q R W Y AA AB
		-414.200	34.758	-56.375	N V X Z
35	0.138	-852.740	-10.093	3.408	N O P Q R W Y AA AB
		-416.226	34.758	-51.586	N V X Z
35	0.276	-854.766	-10.093	2.017	N O P Q R W Y AA AB
		-418.252	34.758	-46.797	N V X Z
35	0.413	-856.792	-10.093	0.626644	N O P Q R W Y AA AB
		-420.278	34.758	-42.008	N V X Z
35	0.551	-858.818	-10.093	-0.763879	N O P Q R W Y AA AB
		-422.304	34.758	-37.219	N V X Z
35	0.689	-860.844	-10.093	-2.154	N O P Q R W Y AA AB
		-424.330	34.758	-32.431	N V X Z
35	0.827	-862.870	-10.093	-3.545	N O P Q R W Y AA AB
		-426.356	34.758	-27.642	N V X Z
35	0.964	-864.896	-10.093	-4.935	N O P Q R W Y AA AB
		-428.382	34.758	-22.853	N V X Z
35	1.102	-866.922	-10.093	-6.326	N O P Q R W Y AA AB
		-430.408	34.758	-18.064	N V X Z

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
35	1.240	-868.948	-10.093	-7.716	N O P Q R W Y AA AB
		-432.434	34.758	-13.275	N V X Z
36	0	-831.296	43.628	-63.906	A B C H J L
		-393.598	-64.096	140.575	N R W Y AA AB
36	0.138	-833.322	43.628	-57.895	A B C H J L
		-395.624	-64.096	131.744	N R W Y AA AB
36	0.276	-835.348	43.628	-51.884	A B C H J L
		-397.650	-64.096	122.913	N R W Y AA AB
36	0.413	-837.374	43.628	-45.873	A B C H J L
		-399.676	-64.096	114.082	N R W Y AA AB
36	0.551	-839.400	43.628	-39.862	A B C H J L
		-401.702	-64.096	105.251	N R W Y AA AB
36	0.689	-841.426	43.628	-33.851	A B C H J L
		-403.728	-64.096	96.420	N R W Y AA AB
36	0.827	-843.452	43.628	-27.840	A B C H J L
		-405.754	-64.096	87.589	N R W Y AA AB
36	0.964	-845.478	43.628	-21.829	A B C H J L
		-407.780	-64.096	78.758	N R W Y AA AB
36	1.102	-847.504	43.628	-15.818	A B C H J L
		-409.806	-64.096	69.927	N R W Y AA AB
36	1.240	-849.530	43.628	-9.807	A B C H J L
		-411.832	-64.096	61.096	N R W Y AA AB
37	0	-832.479	-30.979	43.212	N O P Q R W Y AA AB
		-395.966	53.728	-122.997	N V X Z
37	0.138	-834.505	-30.979	38.944	N O P Q R W Y AA AB
		-397.992	53.728	-115.594	N V X Z
37	0.276	-836.531	-30.979	34.675	N O P Q R W Y AA AB
		-400.018	53.728	-108.192	N V X Z
37	0.413	-838.557	-30.979	30.407	N O P Q R W Y AA AB
		-402.044	53.728	-100.790	N V X Z
37	0.551	-840.583	-30.979	26.139	N O P Q R W Y AA AB
		-404.070	53.728	-93.387	N V X Z
37	0.689	-842.609	-30.979	21.871	N O P Q R W Y AA AB
		-406.096	53.728	-85.985	N V X Z
37	0.827	-844.635	-30.979	17.603	N O P Q R W Y AA AB
		-408.122	53.728	-78.582	N V X Z
37	0.964	-846.662	-30.979	13.335	N O P Q R W Y AA AB
		-410.148	53.728	-71.180	N V X Z
37	1.102	-848.688	-30.979	9.066	N O P Q R W Y AA AB
		-412.174	53.728	-63.777	N V X Z
37	1.240	-850.714	-30.979	4.798	N O P Q R W Y AA AB
		-414.200	53.728	-56.375	N V X Z
38	0	-813.061	76.540	-158.815	A B C H J L
		-375.364	-50.447	203.129	N R W Y AA AB
38	0.138	-815.087	76.540	-148.269	A B C H J L
		-377.390	-50.447	196.179	N R W Y AA AB
38	0.276	-817.113	76.540	-137.724	A B C H J L
		-379.416	-50.447	189.229	N R W Y AA AB

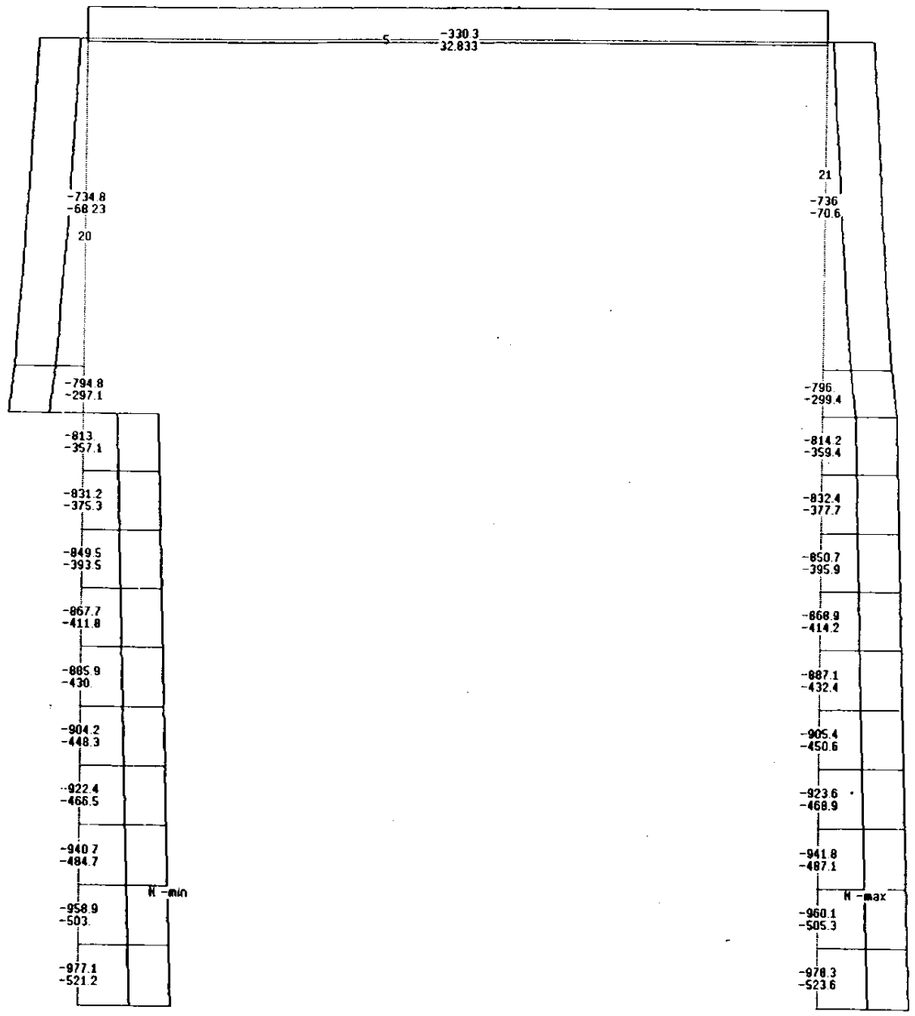
ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
38	0.413	-819.139	76.540	-127.178	A B C H J L
		-381.442	-50.447	182.278	N R W Y AA AB
38	0.551	-821.165	76.540	-116.633	A B C H J L
		-383.468	-50.447	175.328	N R W Y AA AB
38	0.689	-823.191	76.540	-106.088	A B C H J L
		-385.494	-50.447	168.377	N R W Y AA AB
38	0.827	-825.217	76.540	-95.542	A B C H J L
		-387.520	-50.447	161.427	N R W Y AA AB
38	0.964	-827.244	76.540	-84.997	A B C H J L
		-389.546	-50.447	154.476	N R W Y AA AB
38	1.102	-829.270	76.540	-74.451	A B C H J L
		-391.572	-50.447	147.526	N R W Y AA AB
38	1.240	-831.296	76.540	-63.906	A B C H J L
		-393.598	-50.447	140.575	N R W Y AA AB
39	0	-814.245	-57.224	114.170	N O P Q R W Y AA AB
		-377.731	35.431	-166.931	N V X Z
39	0.138	-816.271	-57.224	106.286	N O P Q R W Y AA AB
		-379.757	35.431	-162.050	N V X Z
39	0.276	-818.297	-57.224	98.402	N O P Q R W Y AA AB
		-381.783	35.431	-157.168	N V X Z
39	0.413	-820.323	-57.224	90.517	N O P Q R W Y AA AB
		-383.809	35.431	-152.287	N V X Z
39	0.551	-822.349	-57.224	82.633	N O P Q R W Y AA AB
		-385.835	35.431	-147.405	N V X Z
39	0.689	-824.375	-57.224	74.749	N O P Q R W Y AA AB
		-387.861	35.431	-142.523	N V X Z
39	0.827	-826.401	-57.224	66.865	N O P Q R W Y AA AB
		-389.887	35.431	-137.642	N V X Z
39	0.964	-828.427	-57.224	58.980	N O P Q R W Y AA AB
		-391.914	35.431	-132.760	N V X Z
39	1.102	-830.453	-57.224	51.096	N O P Q R W Y AA AB
		-393.940	35.431	-127.879	N V X Z
39	1.240	-832.479	-57.224	43.212	N O P Q R W Y AA AB
		-395.966	35.431	-122.997	N V X Z
40	0	-794.827	72.255	-248.411	A B C H J L
		-357.130	83.109	100.074	N R W Y AA AB
40	0.138	-796.853	72.255	-238.456	A B C H J L
		-359.156	83.109	111.525	N R W Y AA AB
40	0.276	-798.879	72.255	-228.500	A B C H J L
		-361.182	83.109	122.975	N R W Y AA AB
40	0.413	-800.905	72.255	-218.545	A B C H J L
		-363.208	83.109	134.426	N R W Y AA AB
40	0.551	-802.931	72.255	-208.590	A B C H J L
		-365.234	83.109	145.877	N R W Y AA AB
40	0.689	-804.957	72.255	-198.635	A B C H J L
		-367.260	83.109	157.327	N R W Y AA AB
40	0.827	-806.983	72.255	-188.680	A B C H J L
		-369.286	83.109	168.778	N R W Y AA AB
40	0.964	-809.009	72.255	-178.725	A B C H J L

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-371.312	83.109	180.228	N R W Y AA AB
40	1.102	-811.035	72.255	-168.770	A B C H J L
		-373.338	83.109	191.679	N R W Y AA AB
40	1.240	-813.061	72.255	-158.815	A B C H J L
		-375.364	83.109	203.129	N R W Y AA AB
41	0	-796.011	-60.085	188.676	N O P Q R W Y AA AB
		-359.497	-90.591	-54.599	N V X Z
41	0.138	-798.037	-60.085	180.397	N O P Q R W Y AA AB
		-361.523	-90.591	-67.080	N V X Z
41	0.276	-800.063	-60.085	172.119	N O P Q R W Y AA AB
		-363.549	-90.591	-79.562	N V X Z
41	0.413	-802.089	-60.085	163.840	N O P Q R W Y AA AB
		-365.575	-90.591	-92.043	N V X Z
41	0.551	-804.115	-60.085	155.562	N O P Q R W Y AA AB
		-367.601	-90.591	-104.524	N V X Z
41	0.689	-806.141	-60.085	147.284	N O P Q R W Y AA AB
		-369.627	-90.591	-117.006	N V X Z
41	0.827	-808.167	-60.085	139.005	N O P Q R W Y AA AB
		-371.653	-90.591	-129.487	N V X Z
41	0.964	-810.193	-60.085	130.727	N O P Q R W Y AA AB
		-373.679	-90.591	-141.969	N V X Z
41	1.102	-812.219	-60.085	122.448	N O P Q R W Y AA AB
		-375.705	-90.591	-154.450	N V X Z
41	1.240	-814.245	-60.085	114.170	N O P Q R W Y AA AB
		-377.731	-90.591	-166.931	N V X Z

Escala 1 : 125.5
Section forces envelope N , GWSP DU (E.L.S.50%SC), View "ALL"
- Struktur: Staebe
- Envelop Normal force N-min, Scaling 2.00E-03
  min: -9.78E+02 max: -3.30E+02 [kN]
- Envelop Normal force N-max, Scaling 2.00E-03
  min: -5.42E+02 max: 3.28E+01 [kN]
- Text envelopes [kN]



ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
1	0	-734.452	-89.358	-10.113	A B C J L
		-357.130	440.311	-100.074	N R W Y AA AB
1	0.111	-727.785	-89.358	-20.042	A B C J L
		-350.463	426.781	-51.904	N R W Y AA AB
1	0.222	-721.119	-89.358	-29.971	A B C J L
		-343.796	413.413	-5.228	N R W Y AA AB
1	0.333	-714.452	-89.358	-39.899	A B C J L
		-337.130	400.207	39.972	N R W Y AA AB
1	0.444	-768.160	-91.132	214.156	A B C H J L
		-330.463	387.163	83.713	N R W Y AA AB
1	0.556	-761.494	-97.853	203.655	A B C H J L
		-323.796	374.281	126.014	N R W Y AA AB
1	0.667	-754.827	-104.406	192.417	A B C H J L
		-317.130	361.561	166.892	N R W Y AA AB
1	0.778	-748.160	-110.791	180.460	A B C H J L
		-310.463	349.004	206.367	N R W Y AA AB
1	0.889	-741.494	-117.008	167.803	A B C H J L
		-303.796	336.608	244.455	N R W Y AA AB
1	1.000	-734.827	-123.057	154.465	A B C H J L
		-297.130	324.374	281.174	N R W Y AA AB
2	0	-299.497	-324.374	262.589	N R V X AA AB
		-734.827	123.057	154.465	A B C I K L
2	0.111	-306.164	-336.608	225.869	N R V X AA AB
		-741.494	117.008	167.803	A B C I K L
2	0.222	-312.830	-349.004	187.781	N R V X AA AB
		-748.160	110.791	180.460	A B C I K L
2	0.333	-319.497	-361.561	148.307	N R V X AA AB
		-754.827	104.406	192.417	A B C I K L
2	0.444	-326.164	-374.281	107.428	N R V X AA AB
		-761.494	97.853	203.655	A B C I K L
2	0.556	-332.830	-387.163	65.127	N R V X AA AB
		-768.160	91.132	214.156	A B C I K L
2	0.667	-339.497	-400.207	21.386	N R V X AA AB
		-714.452	89.358	-39.899	A B C K L
2	0.778	-346.164	-413.413	-23.814	N R V X AA AB
		-721.119	89.358	-29.971	A B C K L
2	0.889	-352.830	-426.781	-70.490	N R V X AA AB
		-727.785	89.358	-20.042	A B C K L
2	1.000	-359.497	-440.311	-118.660	N R V X AA AB
		-734.452	89.358	-10.113	A B C K L
5	0	-117.824	68.239	634.423	N R W Y AA AB
		-228.892	505.937	-1285.795	A B C H J L
5	1.744	-117.824	37.712	726.835	N R W Y AA AB
		-228.892	420.285	-477.925	A B C H J L
5	3.489	-117.824	7.184	765.994	N R W Y AA AB
		-228.892	334.632	180.531	A B C H J L
5	5.233	-117.824	-23.344	751.899	N R W Y AA AB
		-228.892	248.980	689.571	A B C H J L
5	6.848	-117.824	-51.608	691.371	N R W Y AA AB

ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-228.892	169.679	1027.658	A B C H J L
5	6.852	-117.824	-51.663	691.209	N R W Y AA AB
		-228.892	116.975	1028.109	A B C H J L
5	6.978	-117.824	-53.872	684.549	N R W Y AA AB
		-228.892	110.778	1042.481	A B C H J L
5	8.722	-176.309	-111.962	1050.515	N O P R W Y AA AB
		-168.814	51.504	699.621	N Q V X Z
5	8.848	-176.309	-118.159	1035.993	N O P R W Y AA AB
		-168.814	49.296	705.982	N Q V X Z
5	8.852	-194.592	-170.863	1247.003	N O P Q R W Y AA AB
		-150.531	49.241	494.673	N V X Z
5	10.467	-194.592	-250.164	907.004	N O P Q R W Y AA AB
		-150.531	20.976	551.377	N V X Z
5	12.211	-194.592	-335.816	395.899	N O P Q R W Y AA AB
		-150.531	-9.551	561.342	N V X Z
5	13.956	-194.592	-421.468	-264.622	N O P Q R W Y AA AB
		-150.531	-40.079	518.053	N V X Z
5	15.700	-194.592	-507.121	-1074.558	N O P Q R W Y AA AB
		-150.531	-70.607	421.510	N V X Z
20	0	-734.827	-123.057	154.465	A B C H J L
		-297.130	324.374	281.174	N R W Y AA AB
20	0.767	-704.742	-160.214	45.366	A B C H J L
		-267.044	244.379	498.704	N R W Y AA AB
20	1.533	-675.820	-189.368	-89.152	A B C H J L
		-238.123	172.099	657.861	N R W Y AA AB
20	2.300	-648.062	-210.518	-242.953	A B C H J L
		-210.364	107.535	764.561	N R W Y AA AB
20	3.067	-621.466	-223.666	-409.901	A B C H J L
		-183.769	50.687	824.720	N R W Y AA AB
20	3.833	-596.034	-228.811	-583.862	A B C H J L
		-218.711	37.044	166.199	N R Y AA AB
20	3.943	-592.496	-228.892	-608.928	A B C H J L
		-215.173	36.497	170.226	N R Y AA AB
20	4.600	-511.390	-252.753	-192.267	A B C G J L
		-194.442	33.211	193.130	N R Y AA AB
20	5.367	-480.707	-286.077	-332.784	A B C G J K L
		-178.913	32.833	151.919	N R AA AB
20	6.133	-458.764	-312.064	-562.564	A B C G J K L
		-156.971	32.833	177.091	N R AA AB
20	6.900	-437.985	-330.335	-809.310	A B C G J K L
		-136.191	32.833	202.263	N R AA AB
21	0	-138.559	-32.833	183.678	N R AA AB
		-437.985	330.335	-809.310	A B C G J K L
21	0.767	-159.338	-32.833	158.506	N R AA AB
		-458.764	312.064	-562.564	A B C G J K L
21	1.533	-181.281	-32.833	133.333	N R AA AB
		-480.707	286.077	-332.784	A B C G J K L
21	2.300	-196.810	-33.211	174.544	N R X AA AB
		-511.390	252.753	-192.267	A B C G K L

ENVOLVENTE para < Vz > (y valores concomítantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
21	2.957	-217.541	-36.497	151.641	N R X AA AB
		-592.496	228.892	-608.928	A B C I K L
21	3.067	-221.079	-37.044	147.613	N R X AA AB
		-596.034	228.811	-583.862	A B C I K L
21	3.833	-186.136	-50.687	806.134	N R V X AA AB
		-621.466	223.666	-409.901	A B C I K L
21	4.600	-212.732	-107.535	745.975	N R V X AA AB
		-648.062	210.518	-242.953	A B C I K L
21	5.367	-240.490	-172.099	639.275	N R V X AA AB
		-675.820	189.368	-89.152	A B C I K L
21	6.133	-269.412	-244.379	480.118	N R V X AA AB
		-704.742	160.214	45.366	A B C I K L
21	6.900	-299.497	-324.374	262.589	N R V X AA AB
		-734.827	123.057	154.465	A B C I K L
22	0	-890.983	-0.124470	0.154343	A B C M
		-589.189	0.471220	-0.584312	N R U X Y Z
22	0.138	-893.009	-0.124470	0.137193	A B C M
		-591.215	0.471220	-0.519389	N R U X Y Z
22	0.276	-895.035	-0.124470	0.120044	A B C M
		-593.241	0.471220	-0.454465	N R U X Y Z
22	0.413	-897.061	-0.124470	0.102895	A B C M
		-595.267	0.471220	-0.389541	N R U X Y Z
22	0.551	-899.087	-0.124470	0.085746	A B C M
		-597.293	0.471220	-0.324618	N R U X Y Z
22	0.689	-901.113	-0.124470	0.068597	A B C M
		-599.319	0.471220	-0.259694	N R U X Y Z
22	0.827	-903.139	-0.124470	0.051448	A B C M
		-601.345	0.471220	-0.194771	N R U X Y Z
22	0.964	-905.165	-0.124470	0.034298	A B C M
		-603.371	0.471220	-0.129847	N R U X Y Z
22	1.102	-907.191	-0.124470	0.017149	A B C M
		-605.397	0.471220	-0.064924	N R U X Y Z
22	1.240	-909.217	-0.124470	1.54E-09	A B C M
		-607.423	0.471220	-5.84E-09	N R U X Y Z
23	0	-591.557	-0.456418	0.565958	N R U X Y Z
		-892.167	0.133470	-0.165503	N O P Q AA AB
23	0.138	-593.583	-0.456418	0.503074	N R U X Y Z
		-894.193	0.133470	-0.147113	N O P Q AA AB
23	0.276	-595.609	-0.456418	0.440189	N R U X Y Z
		-896.219	0.133470	-0.128724	N O P Q AA AB
23	0.413	-597.635	-0.456418	0.377305	N R U X Y Z
		-898.245	0.133470	-0.110335	N O P Q AA AB
23	0.551	-599.661	-0.456418	0.314421	N R U X Y Z
		-900.271	0.133470	-0.091946	N O P Q AA AB
23	0.689	-601.687	-0.456418	0.251537	N R U X Y Z
		-902.297	0.133470	-0.073557	N O P Q AA AB
23	0.827	-603.713	-0.456418	0.188653	N R U X Y Z
		-904.323	0.133470	-0.055168	N O P Q AA AB
23	0.964	-605.739	-0.456418	0.125768	N R U X Y Z

ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-906.349	0.133470	-0.036778	N O P Q AA AB
23	1.102	-607.765	-0.456418	0.062884	N R U X Y Z
		-908.375	0.133470	-0.018389	N O P Q AA AB
23	1.240	-609.791	-0.456418	5.66E-09	N R U X Y Z
		-910.401	0.133470	-1.66E-09	N O P Q AA AB
24	0	-939.517	-0.374816	0.275324	N O P Q V X Z
		-503.003	1.365	-2.161	N R W Y AA AB
24	0.138	-941.543	-0.374816	0.223683	N O P Q V X Z
		-505.029	1.365	-1.973	N R W Y AA AB
24	0.276	-943.569	-0.374816	0.172042	N O P Q V X Z
		-507.055	1.365	-1.785	N R W Y AA AB
24	0.413	-945.595	-0.374816	0.120400	N O P Q V X Z
		-509.081	1.365	-1.597	N R W Y AA AB
24	0.551	-947.621	-0.374816	0.068759	N O P Q V X Z
		-511.107	1.365	-1.409	N R W Y AA AB
24	0.689	-949.647	-0.374816	0.017118	N O P Q V X Z
		-513.133	1.365	-1.221	N R W Y AA AB
24	0.827	-951.673	-0.374816	-0.034523	N O P Q V X Z
		-515.159	1.365	-1.032	N R W Y AA AB
24	0.964	-953.699	-0.374816	-0.086165	N O P Q V X Z
		-517.185	1.365	-0.844306	N R W Y AA AB
24	1.102	-955.725	-0.374816	-0.137806	N O P Q V X Z
		-519.211	1.365	-0.656173	N R W Y AA AB
24	1.240	-957.751	-0.374816	-0.189447	N O P Q V X Z
		-521.237	1.365	-0.468039	N R W Y AA AB
25	0	-505.371	-1.379	2.160	N R V X AA AB
		-940.701	0.362967	-0.285309	A B C I K L
25	0.138	-507.397	-1.379	1.970	N R V X AA AB
		-942.727	0.362967	-0.235300	A B C I K L
25	0.276	-509.423	-1.379	1.780	N R V X AA AB
		-944.753	0.362967	-0.185292	A B C I K L
25	0.413	-511.449	-1.379	1.590	N R V X AA AB
		-946.779	0.362967	-0.135283	A B C I K L
25	0.551	-513.475	-1.379	1.400	N R V X AA AB
		-948.805	0.362967	-0.085274	A B C I K L
25	0.689	-515.501	-1.379	1.210	N R V X AA AB
		-950.831	0.362967	-0.035265	A B C I K L
25	0.827	-517.527	-1.379	1.020	N R V X AA AB
		-952.857	0.362967	0.014744	A B C I K L
25	0.964	-519.553	-1.379	0.829646	N R V X AA AB
		-954.883	0.362967	0.064752	A B C I K L
25	1.102	-521.579	-1.379	0.639665	N R V X AA AB
		-956.909	0.362967	0.114761	A B C I K L
25	1.240	-523.605	-1.379	0.449685	N R V X AA AB
		-958.935	0.362967	0.164770	A B C I K L
26	0	-921.283	-1.630	2.297	N O P Q V X Z
		-484.769	2.567	-5.344	N R W Y AA AB
26	0.138	-923.309	-1.630	2.072	N O P Q V X Z

ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-486.795	2.567	-4.990	N R W Y AA AB
26	0.276	-925.335	-1.630	1.848	N O P Q V X Z
		-488.821	2.567	-4.637	N R W Y AA AB
26	0.413	-927.361	-1.630	1.623	N O P Q V X Z
		-490.847	2.567	-4.283	N R W Y AA AB
26	0.551	-929.387	-1.630	1.398	N O P Q V X Z
		-492.873	2.567	-3.929	N R W Y AA AB
26	0.689	-931.413	-1.630	1.174	N O P Q V X Z
		-494.899	2.567	-3.576	N R W Y AA AB
26	0.827	-933.439	-1.630	0.949187	N O P Q V X Z
		-496.925	2.567	-3.222	N R W Y AA AB
26	0.964	-935.465	-1.630	0.724566	N O P Q V X Z
		-498.951	2.567	-2.869	N R W Y AA AB
26	1.102	-937.491	-1.630	0.499945	N O P Q V X Z
		-500.977	2.567	-2.515	N R W Y AA AB
26	1.240	-939.517	-1.630	0.275324	N O P Q V X Z
		-503.003	2.567	-2.161	N R W Y AA AB
27	0	-487.137	-2.659	5.456	N R V X AA AB
		-923.650	1.538	-2.185	N O P Q W Y Z
27	0.138	-489.163	-2.659	5.090	N R V X AA AB
		-925.676	1.538	-1.973	N O P Q W Y Z
27	0.276	-491.189	-2.659	4.724	N R V X AA AB
		-927.702	1.538	-1.761	N O P Q W Y Z
27	0.413	-493.215	-2.659	4.357	N R V X AA AB
		-929.728	1.538	-1.549	N O P Q W Y Z
27	0.551	-495.241	-2.659	3.991	N R V X AA AB
		-931.754	1.538	-1.337	N O P Q W Y Z
27	0.689	-497.267	-2.659	3.625	N R V X AA AB
		-933.780	1.538	-1.125	N O P Q W Y Z
27	0.827	-499.293	-2.659	3.258	N R V X AA AB
		-935.806	1.538	-0.912877	N O P Q W Y Z
27	0.964	-501.319	-2.659	2.892	N R V X AA AB
		-937.833	1.538	-0.700936	N O P Q W Y Z
27	1.102	-503.345	-2.659	2.526	N R V X AA AB
		-939.859	1.538	-0.488995	N O P Q W Y Z
27	1.240	-505.371	-2.659	2.160	N R V X AA AB
		-941.885	1.538	-0.277054	N O P Q W Y Z
28	0	-903.049	-3.298	6.386	N O P Q V X Z
		-466.535	2.557	-8.515	N R W Y AA AB
28	0.138	-905.075	-3.298	5.932	N O P Q V X Z
		-468.561	2.557	-8.163	N R W Y AA AB
28	0.276	-907.101	-3.298	5.477	N O P Q V X Z
		-470.587	2.557	-7.810	N R W Y AA AB
28	0.413	-909.127	-3.298	5.023	N O P Q V X Z
		-472.613	2.557	-7.458	N R W Y AA AB
28	0.551	-911.153	-3.298	4.569	N O P Q V X Z
		-474.639	2.557	-7.106	N R W Y AA AB
28	0.689	-913.179	-3.298	4.114	N O P Q V X Z
		-476.665	2.557	-6.753	N R W Y AA AB

ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
28	0.827	-915.205	-3.298	3.660	N O P Q V X Z
		-478.691	2.557	-6.401	N R W Y AA AB
28	0.964	-917.231	-3.298	3.206	N O P Q V X Z
		-480.717	2.557	-6.049	N R W Y AA AB
28	1.102	-919.257	-3.298	2.751	N O P Q V X Z
		-482.743	2.557	-5.696	N R W Y AA AB
28	1.240	-921.283	-3.298	2.297	N O P Q V X Z
		-484.769	2.557	-5.344	N R W Y AA AB
29	0	-468.902	-2.770	8.891	N R V X AA AB
		-905.416	3.085	-6.010	N O P Q W Y Z
29	0.138	-470.928	-2.770	8.509	N R V X AA AB
		-907.442	3.085	-5.585	N O P Q W Y Z
29	0.276	-472.954	-2.770	8.128	N R V X AA AB
		-909.468	3.085	-5.160	N O P Q W Y Z
29	0.413	-474.980	-2.770	7.746	N R V X AA AB
		-911.494	3.085	-4.735	N O P Q W Y Z
29	0.551	-477.006	-2.770	7.365	N R V X AA AB
		-913.520	3.085	-4.310	N O P Q W Y Z
29	0.689	-479.032	-2.770	6.983	N R V X AA AB
		-915.546	3.085	-3.885	N O P Q W Y Z
29	0.827	-481.058	-2.770	6.601	N R V X AA AB
		-917.572	3.085	-3.460	N O P Q W Y Z
29	0.964	-483.085	-2.770	6.220	N R V X AA AB
		-919.598	3.085	-3.035	N O P Q W Y Z
29	1.102	-485.111	-2.770	5.838	N R V X AA AB
		-921.624	3.085	-2.610	N O P Q W Y Z
29	1.240	-487.137	-2.770	5.456	N R V X AA AB
		-923.650	3.085	-2.185	N O P Q W Y Z
30	0	-523.829	-5.263	6.139	N R U X Z
		-809.286	1.645	-3.479	N O P Q Y AA AB
30	0.138	-525.855	-5.263	5.414	N R U X Z
		-811.312	1.645	-3.252	N O P Q Y AA AB
30	0.276	-527.881	-5.263	4.689	N R U X Z
		-813.338	1.645	-3.026	N O P Q Y AA AB
30	0.413	-529.907	-5.263	3.964	N R U X Z
		-815.364	1.645	-2.799	N O P Q Y AA AB
30	0.551	-531.933	-5.263	3.238	N R U X Z
		-817.390	1.645	-2.573	N O P Q Y AA AB
30	0.689	-533.959	-5.263	2.513	N R U X Z
		-819.416	1.645	-2.346	N O P Q Y AA AB
30	0.827	-535.985	-5.263	1.788	N R U X Z
		-821.442	1.645	-2.119	N O P Q Y AA AB
30	0.964	-538.011	-5.263	1.063	N R U X Z
		-823.468	1.645	-1.893	N O P Q Y AA AB
30	1.102	-540.037	-5.263	0.337694	N R U X Z
		-825.494	1.645	-1.666	N O P Q Y AA AB
30	1.240	-542.063	-5.263	-0.387474	N R U X Z
		-827.520	1.645	-1.439	N O P Q Y AA AB

ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
31	0	-811.653	-1.938	4.219	N O P Q X AA AB
		-526.197	4.970	-5.399	N R U Y Z
31	0.138	-813.679	-1.938	3.952	N O P Q X AA AB
		-528.223	4.970	-4.714	N R U Y Z
31	0.276	-815.705	-1.938	3.685	N O P Q X AA AB
		-530.249	4.970	-4.030	N R U Y Z
31	0.413	-817.731	-1.938	3.418	N O P Q X AA AB
		-532.275	4.970	-3.345	N R U Y Z
31	0.551	-819.757	-1.938	3.151	N O P Q X AA AB
		-534.301	4.970	-2.660	N R U Y Z
31	0.689	-821.783	-1.938	2.884	N O P Q X AA AB
		-536.327	4.970	-1.976	N R U Y Z
31	0.827	-823.809	-1.938	2.617	N O P Q X AA AB
		-538.353	4.970	-1.291	N R U Y Z
31	0.964	-825.835	-1.938	2.349	N O P Q X AA AB
		-540.379	4.970	-0.606082	N R U Y Z
31	1.102	-827.862	-1.938	2.082	N O P Q X AA AB
		-542.405	4.970	0.078630	N R U Y Z
31	1.240	-829.888	-1.938	1.815	N O P Q X AA AB
		-544.431	4.970	0.763342	N R U Y Z
32	0	-430.066	-15.064	12.421	N R W Y AA AB
		-807.389	3.226	-3.942	A B C J L
32	0.138	-432.092	-15.064	10.345	N R W Y AA AB
		-809.415	3.226	-3.497	A B C J L
32	0.276	-434.118	-15.064	8.270	N R W Y AA AB
		-811.441	3.226	-3.053	A B C J L
32	0.413	-436.144	-15.064	6.194	N R W Y AA AB
		-813.467	3.226	-2.608	A B C J L
32	0.551	-438.170	-15.064	4.119	N R W Y AA AB
		-815.493	3.226	-2.164	A B C J L
32	0.689	-440.196	-15.064	2.044	N R W Y AA AB
		-817.519	3.226	-1.719	A B C J L
32	0.827	-442.222	-15.064	-0.031877	N R W Y AA AB
		-819.545	3.226	-1.275	A B C J L
32	0.964	-444.249	-15.064	-2.107	N R W Y AA AB
		-821.571	3.226	-0.830243	A B C J L
32	1.102	-446.275	-15.064	-4.183	N R W Y AA AB
		-823.597	3.226	-0.385724	A B C J L
32	1.240	-448.301	-15.064	-6.258	N R W Y AA AB
		-825.623	3.226	0.058794	A B C J L
33	0	-807.389	-3.226	3.942	A B C K L
		-432.434	14.960	-11.553	N R V X AA AB
33	0.138	-809.415	-3.226	3.497	A B C K L
		-434.460	14.960	-9.491	N R V X AA AB
33	0.276	-811.441	-3.226	3.053	A B C K L
		-436.486	14.960	-7.430	N R V X AA AB
33	0.413	-813.467	-3.226	2.608	A B C K L
		-438.512	14.960	-5.369	N R V X AA AB
33	0.551	-815.493	-3.226	2.164	A B C K L

ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-440.538	14.960	-3.308	N R V X AA AB
33	0.689	-817.519	-3.226	1.719	A B C K L
		-442.564	14.960	-1.247	N R V X AA AB
33	0.827	-819.545	-3.226	1.275	A B C K L
		-444.590	14.960	0.814600	N R V X AA AB
33	0.964	-821.571	-3.226	0.830243	A B C K L
		-446.616	14.960	2.876	N R V X AA AB
33	1.102	-823.597	-3.226	0.385724	A B C K L
		-448.642	14.960	4.937	N R V X AA AB
33	1.240	-825.623	-3.226	-0.058794	A B C K L
		-450.668	14.960	6.998	N R V X AA AB
34	0	-411.832	-39.254	61.096	N R W Y AA AB
		-848.346	16.134	-9.698	N O P Q V X Z
34	0.138	-413.858	-39.254	55.688	N R W Y AA AB
		-850.372	16.134	-7.475	N O P Q V X Z
34	0.276	-415.884	-39.254	50.279	N R W Y AA AB
		-852.398	16.134	-5.253	N O P Q V X Z
34	0.413	-417.910	-39.254	44.871	N R W Y AA AB
		-854.424	16.134	-3.030	N O P Q V X Z
34	0.551	-419.936	-39.254	39.463	N R W Y AA AB
		-856.450	16.134	-0.806815	N O P Q V X Z
34	0.689	-421.962	-39.254	34.054	N R W Y AA AB
		-858.476	16.134	1.416	N O P Q V X Z
34	0.827	-423.988	-39.254	28.646	N R W Y AA AB
		-860.502	16.134	3.639	N O P Q V X Z
34	0.964	-426.014	-39.254	23.237	N R W Y AA AB
		-862.528	16.134	5.862	N O P Q V X Z
34	1.102	-428.040	-39.254	17.829	N R W Y AA AB
		-864.554	16.134	8.085	N O P Q V X Z
34	1.240	-430.066	-39.254	12.421	N R W Y AA AB
		-866.580	16.134	10.307	N O P Q V X Z
35	0	-850.714	-15.361	9.609	N O P Q W Y Z
		-414.200	40.026	-61.185	N R V X AA AB
35	0.138	-852.740	-15.361	7.492	N O P Q W Y Z
		-416.226	40.026	-55.671	N R V X AA AB
35	0.276	-854.766	-15.361	5.376	N O P Q W Y Z
		-418.252	40.026	-50.156	N R V X AA AB
35	0.413	-856.792	-15.361	3.259	N O P Q W Y Z
		-420.278	40.026	-44.641	N R V X AA AB
35	0.551	-858.818	-15.361	1.143	N O P Q W Y Z
		-422.304	40.026	-39.126	N R V X AA AB
35	0.689	-860.844	-15.361	-0.973398	N O P Q W Y Z
		-424.330	40.026	-33.612	N R V X AA AB
35	0.827	-862.870	-15.361	-3.090	N O P Q W Y Z
		-426.356	40.026	-28.097	N R V X AA AB
35	0.964	-864.896	-15.361	-5.206	N O P Q W Y Z
		-428.382	40.026	-22.582	N R V X AA AB
35	1.102	-866.922	-15.361	-7.323	N O P Q W Y Z
		-430.408	40.026	-17.067	N R V X AA AB

ENVOLVENTE para < Vz > (y valores concomítantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
35	1.240	-868.948	-15.361	-9.439	N O P Q W Y Z
		-432.434	40.026	-11.553	N R V X AA AB
36	0	-393.598	-64.096	140.575	N R W Y AA AB
		-830.112	46.826	-67.763	N O P Q V X Z
36	0.138	-395.624	-64.096	131.744	N R W Y AA AB
		-832.138	46.826	-61.311	N O P Q V X Z
36	0.276	-397.650	-64.096	122.913	N R W Y AA AB
		-834.164	46.826	-54.860	N O P Q V X Z
36	0.413	-399.676	-64.096	114.082	N R W Y AA AB
		-836.190	46.826	-48.408	N O P Q V X Z
36	0.551	-401.702	-64.096	105.251	N R W Y AA AB
		-838.216	46.826	-41.956	N O P Q V X Z
36	0.689	-403.728	-64.096	96.420	N R W Y AA AB
		-840.242	46.826	-35.505	N O P Q V X Z
36	0.827	-405.754	-64.096	87.589	N R W Y AA AB
		-842.268	46.826	-29.053	N O P Q V X Z
36	0.964	-407.780	-64.096	78.758	N R W Y AA AB
		-844.294	46.826	-22.601	N O P Q V X Z
36	1.102	-409.806	-64.096	69.927	N R W Y AA AB
		-846.320	46.826	-16.150	N O P Q V X Z
36	1.240	-411.832	-64.096	61.096	N R W Y AA AB
		-848.346	46.826	-9.698	N O P Q V X Z
37	0	-832.479	-44.087	64.277	N O P Q W Y Z
		-395.966	66.836	-144.062	N R V X AA AB
37	0.138	-834.505	-44.087	58.202	N O P Q W Y Z
		-397.992	66.836	-134.853	N R V X AA AB
37	0.276	-836.531	-44.087	52.128	N O P Q W Y Z
		-400.018	66.836	-125.645	N R V X AA AB
37	0.413	-838.557	-44.087	46.054	N O P Q W Y Z
		-402.044	66.836	-116.436	N R V X AA AB
37	0.551	-840.583	-44.087	39.980	N O P Q W Y Z
		-404.070	66.836	-107.228	N R V X AA AB
37	0.689	-842.609	-44.087	33.906	N O P Q W Y Z
		-406.096	66.836	-98.019	N R V X AA AB
37	0.827	-844.635	-44.087	27.831	N O P Q W Y Z
		-408.122	66.836	-88.811	N R V X AA AB
37	0.964	-846.662	-44.087	21.757	N O P Q W Y Z
		-410.148	66.836	-79.602	N R V X AA AB
37	1.102	-848.688	-44.087	15.683	N O P Q W Y Z
		-412.174	66.836	-70.394	N R V X AA AB
37	1.240	-850.714	-44.087	9.609	N O P Q W Y Z
		-414.200	66.836	-61.185	N R V X AA AB
38	0	-675.974	-52.094	184.443	N O P Q W Y AA AB
		-511.268	84.899	-152.308	N R V X Z
38	0.138	-678.000	-52.094	177.266	N O P Q W Y AA AB
		-513.294	84.899	-140.611	N R V X Z
38	0.276	-680.026	-52.094	170.088	N O P Q W Y AA AB
		-515.320	84.899	-128.914	N R V X Z

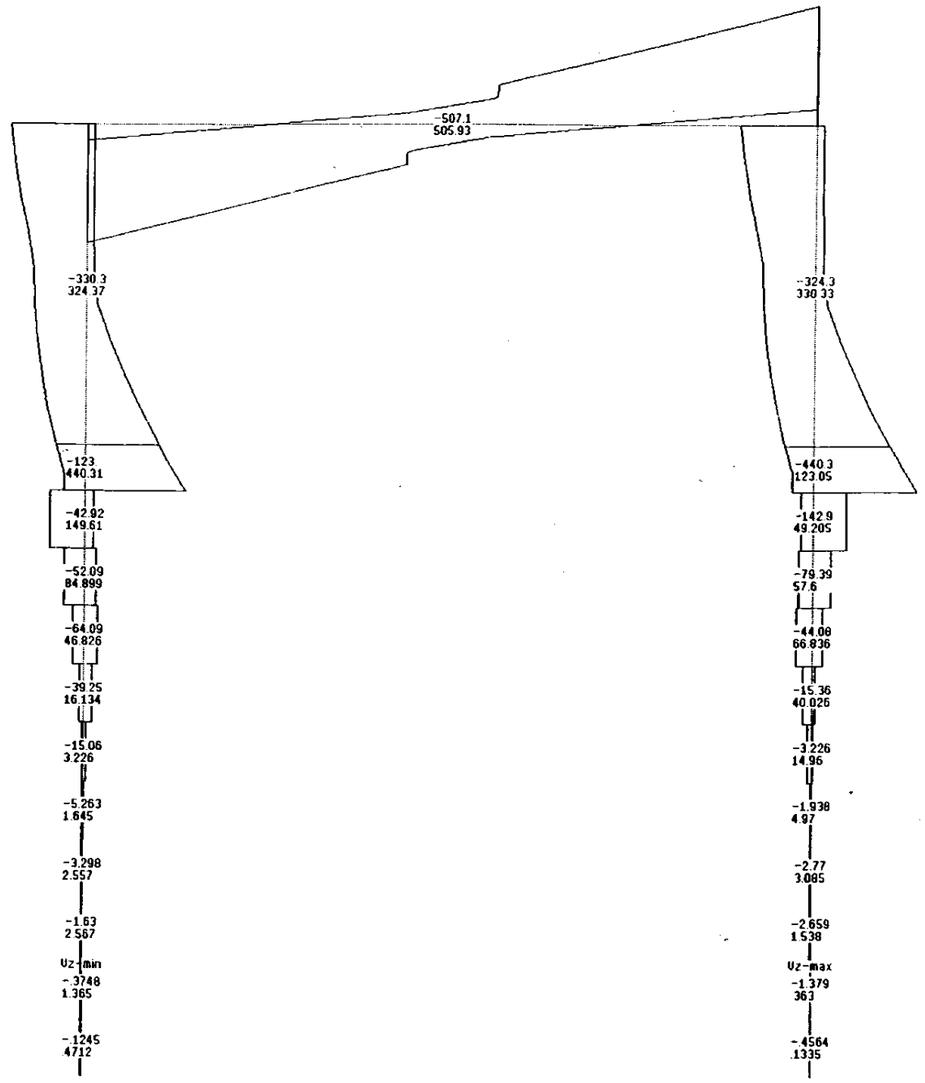
ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
38	0.413	-682.052	-52.094	162.911	N O P Q W Y AA AB
		-517.346	84.899	-117.217	N R V X Z
38	0.551	-684.078	-52.094	155.734	N O P Q W Y AA AB
		-519.372	84.899	-105.520	N R V X Z
38	0.689	-686.104	-52.094	148.556	N O P Q W Y AA AB
		-521.398	84.899	-93.823	N R V X Z
38	0.827	-688.130	-52.094	141.379	N O P Q W Y AA AB
		-523.424	84.899	-82.125	N R V X Z
38	0.964	-690.156	-52.094	134.201	N O P Q W Y AA AB
		-525.450	84.899	-70.428	N R V X Z
38	1.102	-692.182	-52.094	127.024	N O P Q W Y AA AB
		-527.476	84.899	-58.731	N R V X Z
38	1.240	-694.208	-52.094	119.846	N O P Q W Y AA AB
		-529.502	84.899	-47.034	N R V X Z
39	0	-513.635	-79.393	141.995	N R W Y Z
		-678.341	57.600	-194.756	N O P Q V X AA AB
39	0.138	-515.661	-79.393	131.057	N R W Y Z
		-680.367	57.600	-186.821	N O P Q V X AA AB
39	0.276	-517.687	-79.393	120.118	N R W Y Z
		-682.393	57.600	-178.885	N O P Q V X AA AB
39	0.413	-519.713	-79.393	109.179	N R W Y Z
		-684.419	57.600	-170.949	N O P Q V X AA AB
39	0.551	-521.739	-79.393	98.241	N R W Y Z
		-686.445	57.600	-163.013	N O P Q V X AA AB
39	0.689	-523.765	-79.393	87.302	N R W Y Z
		-688.471	57.600	-155.077	N O P Q V X AA AB
39	0.827	-525.791	-79.393	76.363	N R W Y Z
		-690.497	57.600	-147.141	N O P Q V X AA AB
39	0.964	-527.817	-79.393	65.425	N R W Y Z
		-692.524	57.600	-139.205	N O P Q V X AA AB
39	1.102	-529.843	-79.393	54.486	N R W Y Z
		-694.550	57.600	-131.269	N O P Q V X AA AB
39	1.240	-531.869	-79.393	43.547	N R W Y Z
		-696.576	57.600	-123.333	N O P Q V X AA AB
40	0	-726.875	-42.927	69.389	A B C M
		-425.081	149.613	-177.580	N R U X Y Z
40	0.138	-728.901	-42.927	63.474	A B C M
		-427.107	149.613	-156.966	N R U X Y Z
40	0.276	-730.927	-42.927	57.560	A B C M
		-429.133	149.613	-136.353	N R U X Y Z
40	0.413	-732.953	-42.927	51.645	A B C M
		-431.160	149.613	-115.739	N R U X Y Z
40	0.551	-734.979	-42.927	45.731	A B C M
		-433.186	149.613	-95.126	N R U X Y Z
40	0.689	-737.005	-42.927	39.816	A B C M
		-435.212	149.613	-74.513	N R U X Y Z
40	0.827	-739.031	-42.927	33.902	A B C M
		-437.238	149.613	-53.899	N R U X Y Z
40	0.964	-741.057	-42.927	27.987	A B C M

ENVOLVENTE para < Vz > (y valores concomítantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-439.264	149.613	-33.286	N R U X Y Z
40	1.102	-743.083	-42.927	22.073	A B C M
		-441.290	149.613	-12.672	N R U X Y Z
40	1.240	-745.109	-42.927	16.159	A B C M
		-443.316	149.613	7.941	N R U X Y Z
41	0	-427.449	-142.942	158.994	N R U X Y Z
		-728.059	49.205	-95.343	N O P Q AA AB
41	0.138	-429.475	-142.942	139.300	N R U X Y Z
		-730.085	49.205	-88.563	N O P Q AA AB
41	0.276	-431.501	-142.942	119.606	N R U X Y Z
		-732.111	49.205	-81.784	N O P Q AA AB
41	0.413	-433.527	-142.942	99.911	N R U X Y Z
		-734.137	49.205	-75.005	N O P Q AA AB
41	0.551	-435.553	-142.942	80.217	N R U X Y Z
		-736.163	49.205	-68.225	N O P Q AA AB
41	0.689	-437.579	-142.942	60.523	N R U X Y Z
		-738.189	49.205	-61.446	N O P Q AA AB
41	0.827	-439.605	-142.942	40.829	N R U X Y Z
		-740.215	49.205	-54.666	N O P Q AA AB
41	0.964	-441.631	-142.942	21.134	N R U X Y Z
		-742.241	49.205	-47.887	N O P Q AA AB
41	1.102	-443.657	-142.942	1.440	N R U X Y Z
		-744.267	49.205	-41.108	N O P Q AA AB
41	1.240	-445.683	-142.942	-18.254	N R U X Y Z
		-746.293	49.205	-34.328	N O P Q AA AB

Escala 1 : 127.5
Section forces envelope Vz, GWSP DU (E.L.S.50%SC), View "ALL"
- Struktur: Staebe
- Envelop Shear force Vz-min, Scaling 5.00E-03
  min: -5.07E+02 max: 6.82E+01 [kN]
- Envelop Shear force Vz-max, Scaling 5.00E-03
  min: -7.06E+01 max: 5.06E+02 [kN]
- Text envelopes [kN]



VENTE para < My > (y valores concomitantes) "ALL"
línea: MIN., 2. línea: MAX.)

Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
0	-657.740	352.060	-119.712	N O P Q W Y AA AB
	-493.033	27.279	290.960	N R V X Z
0.111	-711.448	-27.596	-93.924	N O P Q Y AA AB
	-486.367	19.885	293.579	N R V X Z
0.222	-704.781	-28.152	-97.021	N O P Q Y AA AB
	-479.700	12.660	295.386	N R V X Z
0.333	-698.115	-28.707	-100.180	N O P Q Y AA AB
	-473.033	5.602	296.399	N R V X Z
0.444	-691.448	-29.263	-103.400	N O P Q Y AA AB
	-405.992	238.341	308.861	N R U X Z
0.556	-692.358	-55.418	-107.545	N O P Q AA AB
	-391.748	251.615	335.519	N R U X Y Z
0.667	-686.875	-66.658	-113.828	A B C M
	-385.081	238.895	362.768	N R U X Y Z
0.778	-680.209	-66.658	-121.234	A B C M
	-378.415	226.337	388.613	N R U X Y Z
0.889	-673.542	-66.658	-128.641	A B C M
	-371.748	213.941	413.072	N R U X Y Z
1.000	-666.875	-66.658	-136.047	A B C M
	-365.081	201.708	436.162	N R U X Y Z
0	-668.059	55.418	-150.761	N O P Q AA AB
	-367.449	-201.708	417.576	N R U X Y Z
0.111	-674.726	55.418	-144.603	N O P Q AA AB
	-374.116	-213.941	394.486	N R U X Y Z
0.222	-681.392	55.418	-138.446	N O P Q AA AB
	-380.782	-226.337	370.028	N R U X Y Z
0.333	-688.059	55.418	-132.288	N O P Q AA AB
	-387.449	-238.895	344.183	N R U X Y Z
0.444	-694.726	55.418	-126.131	N O P Q AA AB
	-394.116	-251.614	316.934	N R U X Y Z
0.556	-693.816	29.263	-121.986	N O P Q X AA AB
	-408.359	-238.341	290.276	N R U Y Z
0.667	-700.482	28.707	-118.766	N O P Q X AA AB
	-475.401	-5.602	277.813	N R W Y Z
0.778	-707.149	28.152	-115.607	N O P Q X AA AB
	-482.068	-12.660	276.800	N R W Y Z
0.889	-713.816	27.596	-112.510	N O P Q X AA AB
	-488.734	-19.885	274.993	N R W Y Z
1.000	-660.107	-352.060	-138.298	N O P Q V X AA AB
	-495.401	-27.279	272.375	N R W Y Z
0	-228.892	505.937	-1285.795	A B C H J L
	-117.824	68.239	634.423	N R W Y AA AB
1.744	-228.892	420.285	-477.925	A B C H J L
	-117.824	37.712	726.835	N R W Y AA AB
3.489	-150.531	143.088	-21.024	N V X Z
	-194.592	197.545	998.916	N O P Q R W Y AA AB
5.233	-150.531	112.560	201.957	N V X Z
	-194.592	111.893	1268.814	N O P Q R W Y AA AB
6.848	-150.531	84.296	360.927	N V X Z

S T A
FHECO
Empotr

ENVOL\
(1. li

Barra

1

1

1

1

1

1

1

1

1

1

2

2

2

2

2

2

2

2

2

2

2

5

5

5

5

5

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-55.057	92.967	1420.834	N O P Q R Y AA AB
5	6.852	-150.531	84.241	361.192	N V X Z
		-55.057	40.262	1421.043	N O P Q R Y AA AB
5	6.978	-150.531	82.032	371.684	N V X Z
		-55.057	34.066	1425.734	N O P Q R Y AA AB
5	8.722	-150.531	-84.400	369.619	N W Y Z
		-55.057	-36.433	1423.669	N O P Q R X AA AB
5	8.848	-150.531	-86.608	358.828	N W Y Z
		-55.057	-42.630	1418.680	N O P Q R X AA AB
5	8.852	-150.531	-86.663	358.556	N W Y Z
		-55.057	-95.334	1418.463	N O P Q R X AA AB
5	10.467	-150.531	-114.927	195.762	N W Y Z
		-194.592	-114.260	1262.619	N O P Q R V X AA AB
5	12.211	-150.531	-145.455	-31.350	N W Y Z
		-194.592	-199.912	988.590	N O P Q R V X AA AB
5	13.956	-228.892	-420.285	-477.925	A B C I K L
		-117.824	-40.079	712.380	N R V X AA AB
5	15.700	-228.892	-505.937	-1285.796	A B C I K L
		-117.824	-70.607	615.837	N R V X AA AB
20	0	-666.875	-66.658	-136.047	A B C M
		-365.081	201.708	436.162	N R U X Y Z
20	0.767	-636.790	-66.658	-187.152	A B C M
		-334.996	121.712	559.646	N R U X Y Z
20	1.533	-615.445	-77.781	-243.494	A B C J M
		-238.123	150.875	670.710	N R W Y Z
20	2.300	-587.686	-89.358	-304.993	A B C J L
		-210.364	107.535	764.561	N R W Y AA AB
20	3.067	-621.466	-223.666	-409.901	A B C H J L
		-183.769	50.687	824.720	N R W Y AA AB
20	3.833	-596.034	-228.811	-583.862	A B C H J L
		-158.336	1.553	844.252	N R W Y AA AB
20	3.943	-592.496	-228.892	-608.928	A B C H J L
		-154.798	-4.836	844.071	N R W Y AA AB
20	4.600	-571.765	-228.892	-759.343	A B C H J L
		-134.067	-39.864	829.073	N R W Y AA AB
20	5.367	-548.659	-228.892	-934.827	A B C H J L
		-110.961	-73.566	785.099	N R W Y AA AB
20	6.133	-526.716	-228.892	-1110.311	A B C H J L
		-89.019	-99.553	718.243	N R W Y AA AB
20	6.900	-505.937	-228.892	-1285.796	A B C H J L
		-68.239	-117.824	634.423	N R W Y AA AB
21	0	-505.937	228.892	-1285.796	A B C I K L
		-70.607	117.824	615.837	N R V X AA AB
21	0.767	-526.716	228.892	-1110.311	A B C I K L
		-91.386	99.553	699.658	N R V X AA AB
21	1.533	-548.659	228.892	-934.827	A B C I K L
		-113.329	73.566	766.513	N R V X AA AB
21	2.300	-571.765	228.892	-759.343	A B C I K L
		-136.435	39.864	810.488	N R V X AA AB

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
21	2.957	-592.496	228.892	-608.928	A B C I K L
		-157.166	4.836	825.485	N R V X AA AB
21	3.067	-596.034	228.811	-583.862	A B C I K L
		-160.704	-1.553	825.667	N R V X AA AB
21	3.833	-621.466	223.666	-409.901	A B C I K L
		-186.136	-50.687	806.134	N R V X AA AB
21	4.600	-587.686	89.358	-304.993	A B C K L
		-212.732	-107.535	745.975	N R V X AA AB
21	5.367	-615.445	77.781	-243.494	A B C K M
		-240.490	-150.875	652.124	N R V X Z
21	6.133	-637.974	55.418	-193.248	N O P Q AA AB
		-337.364	-121.712	541.061	N R U X Y Z
21	6.900	-668.059	55.418	-150.761	N O P Q AA AB
		-367.449	-201.708	417.576	N R U X Y Z
22	0	-589.189	0.471220	-0.584312	N R U X Y Z
		-890.983	-0.124470	0.154343	A B C M
22	0.138	-591.215	0.471220	-0.519389	N R U X Y Z
		-893.009	-0.124470	0.137193	A B C M
22	0.276	-593.241	0.471220	-0.454465	N R U X Y Z
		-895.035	-0.124470	0.120044	A B C M
22	0.413	-595.267	0.471220	-0.389541	N R U X Y Z
		-897.061	-0.124470	0.102895	A B C M
22	0.551	-597.293	0.471220	-0.324618	N R U X Y Z
		-899.087	-0.124470	0.085746	A B C M
22	0.689	-599.319	0.471220	-0.259694	N R U X Y Z
		-901.113	-0.124470	0.068597	A B C M
22	0.827	-601.345	0.471220	-0.194771	N R U X Y Z
		-903.139	-0.124470	0.051448	A B C M
22	0.964	-603.371	0.471220	-0.129847	N R U X Y Z
		-905.165	-0.124470	0.034298	A B C M
22	1.102	-605.397	0.471220	-0.064924	N R U X Y Z
		-907.191	-0.124470	0.017149	A B C M
22	1.240	-607.423	0.471220	-5.84E-09	N R U X Y Z
		-909.217	-0.124470	1.54E-09	A B C M
23	0	-892.167	0.133470	-0.165503	N O P Q AA AB
		-591.557	-0.456418	0.565958	N R U X Y Z
23	0.138	-894.193	0.133470	-0.147113	N O P Q AA AB
		-593.583	-0.456418	0.503074	N R U X Y Z
23	0.276	-896.219	0.133470	-0.128724	N O P Q AA AB
		-595.609	-0.456418	0.440189	N R U X Y Z
23	0.413	-898.245	0.133470	-0.110335	N O P Q AA AB
		-597.635	-0.456418	0.377305	N R U X Y Z
23	0.551	-900.271	0.133470	-0.091946	N O P Q AA AB
		-599.661	-0.456418	0.314421	N R U X Y Z
23	0.689	-902.297	0.133470	-0.073557	N O P Q AA AB
		-601.687	-0.456418	0.251537	N R U X Y Z
23	0.827	-904.323	0.133470	-0.055168	N O P Q AA AB
		-603.713	-0.456418	0.188653	N R U X Y Z
23	0.964	-906.349	0.133470	-0.036778	N O P Q AA AB

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-605.739	-0.456418	0.125768	N R U X Y Z
23	1.102	-908.375	0.133470	-0.018389	N O P Q AA AB
		-607.765	-0.456418	0.062884	N R U X Y Z
23	1.240	-910.401	0.133470	-1.66E-09	N O P Q AA AB
		-609.791	-0.456418	5.66E-09	N R U X Y Z
24	0	-503.003	1.365	-2.161	N R W Y AA AB
		-880.326	-0.255168	0.441437	A B C J L
24	0.138	-505.029	1.365	-1.973	N R W Y AA AB
		-882.352	-0.255168	0.406280	A B C J L
24	0.276	-507.055	1.365	-1.785	N R W Y AA AB
		-884.378	-0.255168	0.371124	A B C J L
24	0.413	-509.081	1.365	-1.597	N R W Y AA AB
		-886.404	-0.255168	0.335967	A B C J L
24	0.551	-511.107	1.365	-1.409	N R W Y AA AB
		-888.430	-0.255168	0.300811	A B C J L
24	0.689	-513.133	1.365	-1.221	N R W Y AA AB
		-890.456	-0.255168	0.265654	A B C J L
24	0.827	-515.159	1.365	-1.032	N R W Y AA AB
		-892.482	-0.255168	0.230498	A B C J L
24	0.964	-517.185	1.255	-0.852349	N R W Y Z
		-894.508	-0.194952	0.199728	A B C J M
24	1.102	-587.163	0.804892	-0.695208	N R U X Y Z
		-888.957	-0.145735	0.174422	A B C M
24	1.240	-589.189	0.804892	-0.584312	N R U X Y Z
		-890.983	-0.145735	0.154343	A B C M
25	0	-880.326	0.255168	-0.441437	A B C K L
		-505.371	-1.379	2.160	N R V X AA AB
25	0.138	-882.352	0.255168	-0.406280	A B C K L
		-507.397	-1.379	1.970	N R V X AA AB
25	0.276	-884.378	0.255168	-0.371124	A B C K L
		-509.423	-1.379	1.780	N R V X AA AB
25	0.413	-886.404	0.255168	-0.335967	A B C K L
		-511.449	-1.379	1.590	N R V X AA AB
25	0.551	-888.430	0.255168	-0.300811	A B C K L
		-513.475	-1.379	1.400	N R V X AA AB
25	0.689	-890.456	0.255168	-0.265654	A B C K L
		-515.501	-1.379	1.210	N R V X AA AB
25	0.827	-892.482	0.255168	-0.230498	A B C K L
		-517.527	-1.379	1.020	N R V X AA AB
25	0.964	-894.508	0.194952	-0.199728	A B C K M
		-519.553	-1.268	0.837689	N R V X Z
25	1.102	-890.141	0.093997	-0.178453	N O P Q AA AB
		-589.531	-0.818299	0.678701	N R U X Y Z
25	1.240	-892.167	0.093997	-0.165503	N O P Q AA AB
		-591.557	-0.818299	0.565958	N R U X Y Z
26	0	-484.769	2.567	-5.344	N R W Y AA AB
		-921.283	-1.630	2.297	N O P Q V X Z
26	0.138	-486.795	2.567	-4.990	N R W Y AA AB

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-923.309	-1.630	2.072	N O P Q V X Z
26	0.276	-488.821	2.567	-4.637	N R W Y AA AB
		-925.335	-1.630	1.848	N O P Q V X Z
26	0.413	-490.847	2.567	-4.283	N R W Y AA AB
		-927.361	-1.630	1.623	N O P Q V X Z
26	0.551	-492.873	2.567	-3.929	N R W Y AA AB
		-929.387	-1.630	1.398	N O P Q V X Z
26	0.689	-494.899	2.567	-3.576	N R W Y AA AB
		-931.413	-1.630	1.174	N O P Q V X Z
26	0.827	-496.925	2.567	-3.222	N R W Y AA AB
		-933.439	-1.630	0.949187	N O P Q V X Z
26	0.964	-498.951	2.567	-2.869	N R W Y AA AB
		-935.465	-1.630	0.724566	N O P Q V X Z
26	1.102	-500.977	2.567	-2.515	N R W Y AA AB
		-937.491	-1.630	0.499945	N O P Q V X Z
26	1.240	-503.003	2.567	-2.161	N R W Y AA AB
		-880.326	-0.370270	0.441437	A B C J L
27	0	-923.650	1.538	-2.185	N O P Q W Y Z
		-487.137	-2.659	5.456	N R V X AA AB
27	0.138	-925.676	1.538	-1.973	N O P Q W Y Z
		-489.163	-2.659	5.090	N R V X AA AB
27	0.276	-927.702	1.538	-1.761	N O P Q W Y Z
		-491.189	-2.659	4.724	N R V X AA AB
27	0.413	-929.728	1.538	-1.549	N O P Q W Y Z
		-493.215	-2.659	4.357	N R V X AA AB
27	0.551	-931.754	1.538	-1.337	N O P Q W Y Z
		-495.241	-2.659	3.991	N R V X AA AB
27	0.689	-932.597	1.524	-1.125	A B C I K L
		-497.267	-2.659	3.625	N R V X AA AB
27	0.827	-934.623	1.524	-0.915376	A B C I K L
		-499.293	-2.659	3.258	N R V X AA AB
27	0.964	-936.649	1.524	-0.705354	A B C I K L
		-501.319	-2.659	2.892	N R V X AA AB
27	1.102	-938.675	1.524	-0.495331	A B C I K L
		-503.345	-2.659	2.526	N R V X AA AB
27	1.240	-880.326	0.370270	-0.441437	A B C K L
		-505.371	-2.659	2.160	N R V X AA AB
28	0	-466.535	2.557	-8.515	N R W Y AA AB
		-903.049	-3.298	6.386	N O P Q V X Z
28	0.138	-468.561	2.557	-8.163	N R W Y AA AB
		-905.075	-3.298	5.932	N O P Q V X Z
28	0.276	-470.587	2.557	-7.810	N R W Y AA AB
		-907.101	-3.298	5.477	N O P Q V X Z
28	0.413	-472.613	2.557	-7.458	N R W Y AA AB
		-909.127	-3.298	5.023	N O P Q V X Z
28	0.551	-474.639	2.557	-7.106	N R W Y AA AB
		-911.153	-3.298	4.569	N O P Q V X Z
28	0.689	-476.665	2.557	-6.753	N R W Y AA AB
		-913.179	-3.298	4.114	N O P Q V X Z

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
28	0.827	-478.691	2.557	-6.401	N R W Y AA AB
		-915.205	-3.298	3.660	N O P Q V X Z
28	0.964	-480.717	2.557	-6.049	N R W Y AA AB
		-917.231	-3.298	3.206	N O P Q V X Z
28	1.102	-482.743	2.557	-5.696	N R W Y AA AB
		-919.257	-3.298	2.751	N O P Q V X Z
28	1.240	-484.769	2.557	-5.344	N R W Y AA AB
		-921.283	-3.298	2.297	N O P Q V X Z
29	0	-905.416	3.085	-6.010	N O P Q W Y Z
		-468.902	-2.770	8.891	N R V X AA AB
29	0.138	-907.442	3.085	-5.585	N O P Q W Y Z
		-470.928	-2.770	8.509	N R V X AA AB
29	0.276	-909.468	3.085	-5.160	N O P Q W Y Z
		-472.954	-2.770	8.128	N R V X AA AB
29	0.413	-911.494	3.085	-4.735	N O P Q W Y Z
		-474.980	-2.770	7.746	N R V X AA AB
29	0.551	-913.520	3.085	-4.310	N O P Q W Y Z
		-477.006	-2.770	7.365	N R V X AA AB
29	0.689	-915.546	3.085	-3.885	N O P Q W Y Z
		-479.032	-2.770	6.983	N R V X AA AB
29	0.827	-917.572	3.085	-3.460	N O P Q W Y Z
		-481.058	-2.770	6.601	N R V X AA AB
29	0.964	-919.598	3.085	-3.035	N O P Q W Y Z
		-483.085	-2.770	6.220	N R V X AA AB
29	1.102	-921.624	3.085	-2.610	N O P Q W Y Z
		-485.111	-2.770	5.838	N R V X AA AB
29	1.240	-923.650	3.085	-2.185	N O P Q W Y Z
		-487.137	-2.770	5.456	N R V X AA AB
30	0	-748.911	-0.828193	-6.584	N O P Q W Y AA AB
		-584.204	-4.808	11.444	N R V X Z
30	0.138	-750.937	-0.828193	-6.698	N O P Q W Y AA AB
		-586.230	-4.808	10.781	N R V X Z
30	0.276	-752.963	-0.828193	-6.813	N O P Q W Y AA AB
		-588.256	-4.808	10.119	N R V X Z
30	0.413	-454.379	-1.820	-7.011	N R W Y AA AB
		-890.892	-3.816	9.540	N O P Q V X Z
30	0.551	-456.405	-1.820	-7.261	N R W Y AA AB
		-892.918	-3.816	9.015	N O P Q V X Z
30	0.689	-458.431	-1.820	-7.512	N R W Y AA AB
		-894.944	-3.816	8.489	N O P Q V X Z
30	0.827	-460.457	-1.820	-7.763	N R W Y AA AB
		-896.970	-3.816	7.963	N O P Q V X Z
30	0.964	-462.483	-1.820	-8.014	N R W Y AA AB
		-898.997	-3.816	7.437	N O P Q V X Z
30	1.102	-464.509	-1.820	-8.264	N R W Y AA AB
		-901.023	-3.816	6.912	N O P Q V X Z
30	1.240	-466.535	-1.820	-8.515	N R W Y AA AB
		-903.049	-3.816	6.386	N O P Q V X Z

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
31	0	-586.572	4.514	-10.704	N R W Y Z
		-751.278	0.534559	7.324	N O P Q V X AA AB
31	0.138	-588.598	4.514	-10.082	N R W Y Z
		-753.304	0.534559	7.398	N O P Q V X AA AB
31	0.276	-590.624	4.514	-9.460	N R W Y Z
		-755.330	0.534559	7.472	N O P Q V X AA AB
31	0.413	-893.260	3.522	-8.922	N O P Q W Y Z
		-456.746	1.527	7.629	N R V X AA AB
31	0.551	-895.286	3.522	-8.436	N O P Q W Y Z
		-458.772	1.527	7.839	N R V X AA AB
31	0.689	-897.312	3.522	-7.951	N O P Q W Y Z
		-460.798	1.527	8.050	N R V X AA AB
31	0.827	-899.338	3.522	-7.466	N O P Q W Y Z
		-462.824	1.527	8.260	N R V X AA AB
31	0.964	-901.364	3.522	-6.981	N O P Q W Y Z
		-464.850	1.527	8.470	N R V X AA AB
31	1.102	-903.390	3.522	-6.495	N O P Q W Y Z
		-466.876	1.527	8.681	N R V X AA AB
31	1.240	-905.416	3.522	-6.010	N O P Q W Y Z
		-468.902	1.527	8.891	N R V X AA AB
32	0	-799.812	2.751	-5.830	A B C M
		-498.018	-12.257	20.629	N R U X Y Z
32	0.138	-801.838	2.751	-5.451	A B C M
		-500.044	-12.257	18.940	N R U X Y Z
32	0.276	-802.680	2.393	-5.078	N O P Q AA AB
		-502.070	-12.257	17.251	N R U X Y Z
32	0.413	-804.706	2.393	-4.748	N O P Q AA AB
		-504.096	-12.257	15.562	N R U X Y Z
32	0.551	-799.156	1.465	-4.488	N O P Q Y AA AB
		-513.699	-11.329	13.943	N R U X Z
32	0.689	-801.182	1.465	-4.286	N O P Q Y AA AB
		-576.100	-2.587	12.869	N R V X Z
32	0.827	-803.208	1.465	-4.085	N O P Q Y AA AB
		-578.126	-2.587	12.513	N R V X Z
32	0.964	-805.234	1.465	-3.883	N O P Q Y AA AB
		-580.152	-2.587	12.156	N R V X Z
32	1.102	-746.885	-11.824	-4.955	N O P Q W Y AA AB
		-582.178	-2.587	11.800	N R V X Z
32	1.240	-748.911	-11.824	-6.584	N O P Q W Y AA AB
		-584.204	-2.587	11.444	N R V X Z
33	0	-500.386	12.154	-19.760	N R U X Y Z
		-800.996	-2.497	6.606	N O P Q AA AB
33	0.138	-502.412	12.154	-18.086	N R U X Y Z
		-803.022	-2.497	6.262	N O P Q AA AB
33	0.276	-504.438	12.154	-16.411	N R U X Y Z
		-805.048	-2.497	5.918	N O P Q AA AB
33	0.413	-506.464	12.154	-14.737	N R U X Y Z
		-807.074	-2.497	5.574	N O P Q AA AB
33	0.551	-516.067	11.225	-13.132	N R U Y Z

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-801.523	-1.569	5.300	N O P Q X AA AB
33	0.689	-578.468	2.483	-12.072	N R W Y Z
		-803.549	-1.569	5.083	N O P Q X AA AB
33	0.827	-580.494	2.483	-11.730	N R W Y Z
		-805.575	-1.569	4.867	N O P Q X AA AB
33	0.964	-582.520	2.483	-11.388	N R W Y Z
		-807.601	-1.569	4.651	N O P Q X AA AB
33	1.102	-584.546	2.483	-11.046	N R W Y Z
		-749.252	11.720	5.710	N O P Q V X AA AB
33	1.240	-586.572	2.483	-10.704	N R W Y Z
		-751.278	11.720	7.324	N O P Q V X AA AB
34	0	-789.155	6.702	-12.253	A B C J L
		-411.832	-39.254	61.096	N R W Y AA AB
34	0.138	-791.181	6.702	-11.329	A B C J L
		-413.858	-39.254	55.688	N R W Y AA AB
34	0.276	-793.207	6.702	-10.406	A B C J L
		-415.884	-39.254	50.279	N R W Y AA AB
34	0.413	-795.233	6.702	-9.482	A B C J L
		-417.910	-39.254	44.871	N R W Y AA AB
34	0.551	-797.259	6.702	-8.559	A B C J L
		-419.936	-39.254	39.463	N R W Y AA AB
34	0.689	-799.285	6.702	-7.636	A B C J L
		-421.962	-39.254	34.054	N R W Y AA AB
34	0.827	-801.311	4.270	-6.955	A B C J M
		-423.988	-34.795	29.090	N R W Y Z
34	0.964	-795.760	2.430	-6.499	A B C M
		-493.966	-17.940	25.572	N R U X Y Z
34	1.102	-797.786	2.430	-6.164	A B C M
		-495.992	-17.940	23.100	N R U X Y Z
34	1.240	-799.812	2.430	-5.830	A B C M
		-498.018	-17.940	20.629	N R U X Y Z
35	0	-414.200	40.026	-61.185	N R V X AA AB
		-789.155	-6.702	12.253	A B C K L
35	0.138	-416.226	40.026	-55.671	N R V X AA AB
		-791.181	-6.702	11.329	A B C K L
35	0.276	-418.252	40.026	-50.156	N R V X AA AB
		-793.207	-6.702	10.406	A B C K L
35	0.413	-420.278	40.026	-44.641	N R V X AA AB
		-795.233	-6.702	9.482	A B C K L
35	0.551	-422.304	40.026	-39.126	N R V X AA AB
		-797.259	-6.702	8.559	A B C K L
35	0.689	-424.330	40.026	-33.612	N R V X AA AB
		-799.285	-6.702	7.636	A B C K L
35	0.827	-426.356	35.567	-28.541	N R V X Z
		-801.311	-4.270	6.955	A B C K M
35	0.964	-496.334	18.712	-24.917	N R U X Y Z
		-796.944	-0.455688	6.731	N O P Q AA AB
35	1.102	-498.360	18.712	-22.338	N R U X Y Z
		-798.970	-0.455688	6.668	N O P Q AA AB

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
35	1.240	-500.386	18.712	-19.760	N R U X Y Z
		-800.996	-0.455688	6.606	N O P Q AA AB
36	0	-830.112	46.826	-67.763	N O P Q V X Z
		-393.598	-64.096	140.575	N R W Y AA AB
36	0.138	-832.138	46.826	-61.311	N O P Q V X Z
		-395.624	-64.096	131.744	N R W Y AA AB
36	0.276	-834.164	46.826	-54.860	N O P Q V X Z
		-397.650	-64.096	122.913	N R W Y AA AB
36	0.413	-836.190	46.826	-48.408	N O P Q V X Z
		-399.676	-64.096	114.082	N R W Y AA AB
36	0.551	-838.216	46.826	-41.956	N O P Q V X Z
		-401.702	-64.096	105.251	N R W Y AA AB
36	0.689	-840.242	46.826	-35.505	N O P Q V X Z
		-403.728	-64.096	96.420	N R W Y AA AB
36	0.827	-842.268	46.826	-29.053	N O P Q V X Z
		-405.754	-64.096	87.589	N R W Y AA AB
36	0.964	-844.294	46.826	-22.601	N O P Q V X Z
		-407.780	-64.096	78.758	N R W Y AA AB
36	1.102	-846.320	46.826	-16.150	N O P Q V X Z
		-409.806	-64.096	69.927	N R W Y AA AB
36	1.240	-789.155	8.523	-12.253	A B C J L
		-411.832	-64.096	61.096	N R W Y AA AB
37	0	-395.966	66.836	-144.062	N R V X AA AB
		-832.479	-44.087	64.277	N O P Q W Y Z
37	0.138	-397.992	66.836	-134.853	N R V X AA AB
		-834.505	-44.087	58.202	N O P Q W Y Z
37	0.276	-400.018	66.836	-125.645	N R V X AA AB
		-836.531	-44.087	52.128	N O P Q W Y Z
37	0.413	-402.044	66.836	-116.436	N R V X AA AB
		-838.557	-44.087	46.054	N O P Q W Y Z
37	0.551	-404.070	66.836	-107.228	N R V X AA AB
		-840.583	-44.087	39.980	N O P Q W Y Z
37	0.689	-406.096	66.836	-98.019	N R V X AA AB
		-842.609	-44.087	33.906	N O P Q W Y Z
37	0.827	-408.122	66.836	-88.811	N R V X AA AB
		-843.452	-43.628	27.840	A B C I K L
37	0.964	-410.148	66.836	-79.602	N R V X AA AB
		-845.478	-43.628	21.829	A B C I K L
37	1.102	-412.174	66.836	-70.394	N R V X AA AB
		-847.504	-43.628	15.818	A B C I K L
37	1.240	-414.200	66.836	-61.185	N R V X AA AB
		-789.155	-8.523	12.253	A B C K L
38	0	-811.878	83.251	-170.994	N O P Q V X Z
		-375.364	-50.447	203.129	N R W Y AA AB
38	0.138	-813.904	83.251	-159.524	N O P Q V X Z
		-377.390	-50.447	196.179	N R W Y AA AB
38	0.276	-815.930	83.251	-148.054	N O P Q V X Z
		-379.416	-50.447	189.229	N R W Y AA AB

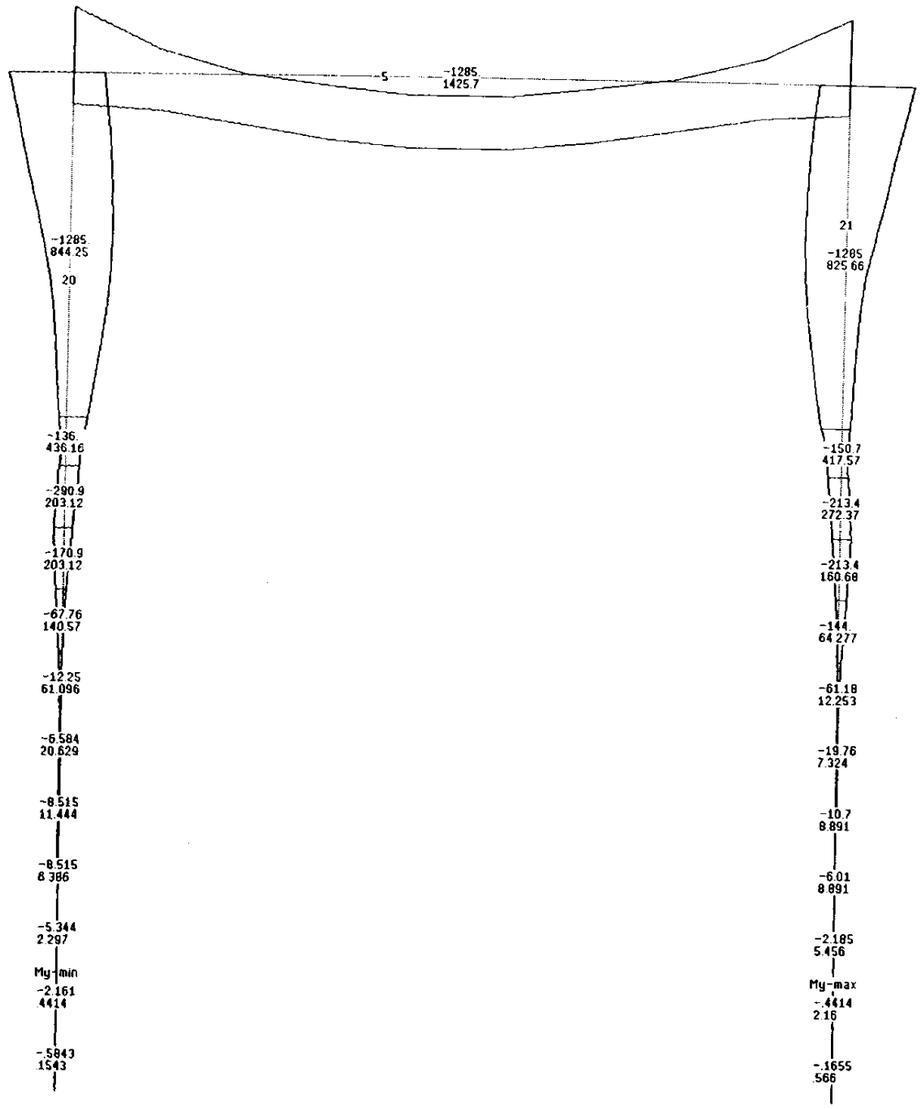
ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
38	0.413	-817.956	83.251	-136.584	N O P Q V X Z
		-381.442	-50.447	182.278	N R W Y AA AB
38	0.551	-819.982	83.251	-125.114	N O P Q V X Z
		-383.468	-50.447	175.328	N R W Y AA AB
38	0.689	-822.008	83.251	-113.644	N O P Q V X Z
		-385.494	-50.447	168.377	N R W Y AA AB
38	0.827	-824.034	83.251	-102.173	N O P Q V X Z
		-387.520	-50.447	161.427	N R W Y AA AB
38	0.964	-826.060	83.251	-90.703	N O P Q V X Z
		-389.546	-50.447	154.476	N R W Y AA AB
38	1.102	-828.086	83.251	-79.233	N O P Q V X Z
		-391.572	-50.447	147.526	N R W Y AA AB
38	1.240	-830.112	83.251	-67.763	N O P Q V X Z
		-393.598	-50.447	140.575	N R W Y AA AB
39	0	-377.731	55.952	-213.443	N R V X AA AB
		-814.245	-77.746	160.681	N O P Q W Y Z
39	0.138	-379.757	55.952	-205.734	N R V X AA AB
		-816.271	-77.746	149.970	N O P Q W Y Z
39	0.276	-381.783	55.952	-198.025	N R V X AA AB
		-818.297	-77.746	139.258	N O P Q W Y Z
39	0.413	-383.809	55.952	-190.316	N R V X AA AB
		-820.323	-77.746	128.546	N O P Q W Y Z
39	0.551	-385.835	55.952	-182.607	N R V X AA AB
		-822.349	-77.746	117.835	N O P Q W Y Z
39	0.689	-387.861	55.952	-174.898	N R V X AA AB
		-824.375	-77.746	107.123	N O P Q W Y Z
39	0.827	-389.887	55.952	-167.189	N R V X AA AB
		-826.401	-77.746	96.411	N O P Q W Y Z
39	0.964	-391.914	55.952	-159.480	N R V X AA AB
		-828.427	-77.746	85.700	N O P Q W Y Z
39	1.102	-393.940	55.952	-151.771	N R V X AA AB
		-830.453	-77.746	74.988	N O P Q W Y Z
39	1.240	-395.966	55.952	-144.062	N R V X AA AB
		-832.479	-77.746	64.277	N O P Q W Y Z
40	0	-493.033	111.816	-290.960	N R V X Z
		-657.740	52.202	119.712	N O P Q W Y AA AB
40	0.138	-495.059	111.816	-275.555	N R V X Z
		-659.766	52.202	126.905	N O P Q W Y AA AB
40	0.276	-497.085	111.816	-260.149	N R V X Z
		-661.792	52.202	134.097	N O P Q W Y AA AB
40	0.413	-499.111	111.816	-244.743	N R V X Z
		-663.818	52.202	141.289	N O P Q W Y AA AB
40	0.551	-501.137	111.816	-229.337	N R V X Z
		-665.844	52.202	148.482	N O P Q W Y AA AB
40	0.689	-803.773	80.910	-215.585	N O P Q V X Z
		-367.260	83.109	157.327	N R W Y AA AB
40	0.827	-805.799	80.910	-204.437	N O P Q V X Z
		-369.286	83.109	168.778	N R W Y AA AB
40	0.964	-807.826	80.910	-193.289	N O P Q V X Z

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-371.312	83.109	180.228	N R W Y AA AB
40	1.102	-809.852	80.910	-182.142	N O P Q V X Z
		-373.338	83.109	191.679	N R W Y AA AB
40	1.240	-811.878	80.910	-170.994	N O P Q V X Z
		-375.364	83.109	203.129	N R W Y AA AB
41	0	-660.107	-45.531	-138.298	N O P Q V X AA AB
		-495.401	-105.145	272.375	N R W Y Z
41	0.138	-662.133	-45.531	-144.571	N O P Q V X AA AB
		-497.427	-105.145	257.888	N R W Y Z
41	0.276	-664.159	-45.531	-150.844	N O P Q V X AA AB
		-499.453	-105.145	243.402	N R W Y Z
41	0.413	-666.185	-45.531	-157.118	N O P Q V X AA AB
		-501.479	-105.145	228.915	N R W Y Z
41	0.551	-668.211	-45.531	-163.391	N O P Q V X AA AB
		-503.505	-105.145	214.428	N R W Y Z
41	0.689	-369.627	-76.438	-171.317	N R V X AA AB
		-806.141	-74.238	201.595	N O P Q W Y Z
41	0.827	-371.653	-76.438	-181.848	N R V X AA AB
		-808.167	-74.238	191.366	N O P Q W Y Z
41	0.964	-373.679	-76.438	-192.380	N R V X AA AB
		-810.193	-74.238	181.138	N O P Q W Y Z
41	1.102	-375.705	-76.438	-202.911	N R V X AA AB
		-812.219	-74.238	170.910	N O P Q W Y Z
41	1.240	-377.731	-76.438	-213.443	N R V X AA AB
		-814.245	-74.238	160.681	N O P Q W Y Z

Escala 1 : 119.1
Section forces envelope My, GWSP DU (E.L.S.50%SC), View "ALL"
- Struktur: Staebe
- Envelop Moment My-min, Scaling 1.00E-03
  min: -1.29E+03 max: 3.72E+02 [kNm]
- Envelop Moment My-max, Scaling 1.00E-03
  min: 1.54E-09 max: 1.43E+03 [kNm]
- Text envelopes [kNm]



6.6 Pórtico. Estado Límite Último

En este apartado se adjuntan los listados correspondientes a las envolventes de Estado Límite Último de:

- Esfuerzos flectores
- Esfuerzos cortantes
- Esfuezos axiles

ENVOLVENTE: DS 'E.L.U.'

Grupo	Espe.	Hipótesis	Factor	Etapa	Título
A	PERM.	1	1.000	5	Peso propio. articulada.
	Y	14Z	1.000	5	Pretensado. articulada
	Y	15	1.350	5	Peso losa. articulada.
B	O	15	1.000	5	Peso losa. articulada.
	Y	17	1.350	6	Carga muerta. empotrada.
C	O	17	1.000	6	Carga muerta. empotrada.
D	MAS	18	1.500	6	SC uniforme. empotrada.
E	MAS	19	1.500	6	SC carro. empotrada.
F	MAS	20	1.500	6	Gradiente térmico. empotrada.
G	MAS	21	1.500	6	Empuje tierra lado1 arriba.emp
	Y	22	1.500	6	Empuje tierra lado2 arriba.emp
H	O	23	1.500	6	Empuje tierra lado1 abajo.emp.
	Y	24	1.500	6	Empuje tierra lado2 abajo.emp.
I	O	25	1.500	6	Empuje lado 1 servicio. emp.
	Y	26	1.500	6	Empuje lado2 servicio. emp.
J	O	25	1.500	6	Empuje lado 1 servicio. emp.
	Y	24	1.500	6	Empuje tierra lado2 abajo.emp.
K	O	26	1.500	6	Empuje lado2 servicio. emp.
	Y	23	1.500	6	Empuje tierra lado1 abajo.emp.
L	MAS	27	1.500	6	SC maquinaria lado 1. emp.
M	MAS	28	1.500	6	SC maquinaria lado2. emp.
N	MAS	32	1.500	6	Temp. unifor.empotrada
O	O	32	-1.500	6	Temp. unifor.empotrada

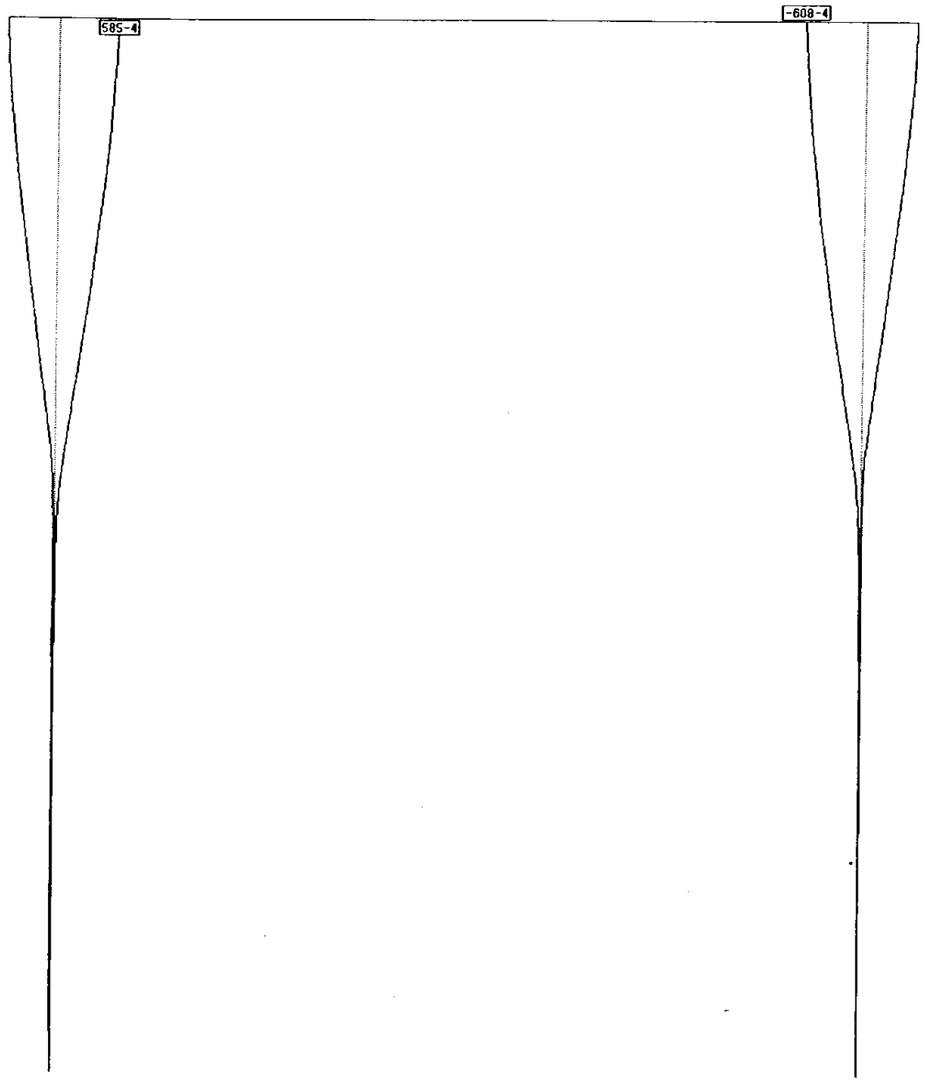
ALTERNATIVA PARA ENVOLVENTE:

Grupo	Espe.	Hipótesis	Factor	Etapa	Título
P	PERM.	1	0.202500	5	Peso propio. articulada.
	Y	15	0.202500	5	Peso losa. articulada.
	Y	16	1.147	6	Peso prop. losa+viga.emp.
	Y	14Z	0.127500	5	Pretensado. articulada
	Y	29Z	0.722500	6	Pretensado. empotrado.
Q	O	1	0.150000	5	Peso propio. articulada.
	Y	15	0.150000	5	Peso losa. articulada.
	Y	16	0.850000	6	Peso prop. losa+viga.emp.
	Y	14Z	0.127500	5	Pretensado. articulada
	Y	29Z	0.722500	6	Pretensado. empotrado.
R	MAS	17	1.500	6	Carga muerta. empotrada.
S	MAS	18	1.500	6	SC uniforme. empotrada.
T	MAS	19	1.500	6	SC carro. empotrada.
U	MAS	20	1.500	6	Gradiente térmico. empotrada.
V	MAS	21	1.500	6	Empuje tierra lado1 arriba.emp
	Y	22	1.500	6	Empuje tierra lado2 arriba.emp
W	O	23	1.500	6	Empuje tierra lado1 abajo.emp.
	Y	24	1.500	6	Empuje tierra lado2 abajo.emp.
X	O	25	1.500	6	Empuje lado 1 servicio. emp.
	Y	26	1.500	6	Empuje lado2 servicio. emp.
Y	O	24	1.500	6	Empuje tierra lado2 abajo.emp.
	Y	25	1.500	6	Empuje lado 1 servicio. emp.
Z	O	23	1.500	6	Empuje tierra lado1 abajo.emp.
	Y	26	1.500	6	Empuje lado2 servicio. emp.
AA	MAS	27	1.500	6	SC maquinaria lado 1. emp.
AB	MAS	28	1.500	6	SC maquinaria lado2. emp.
AC	MAS	32	1.500	6	Temp. unifor.empotrada
AD	O	32	-1.500	6	Temp. unifor.empotrada

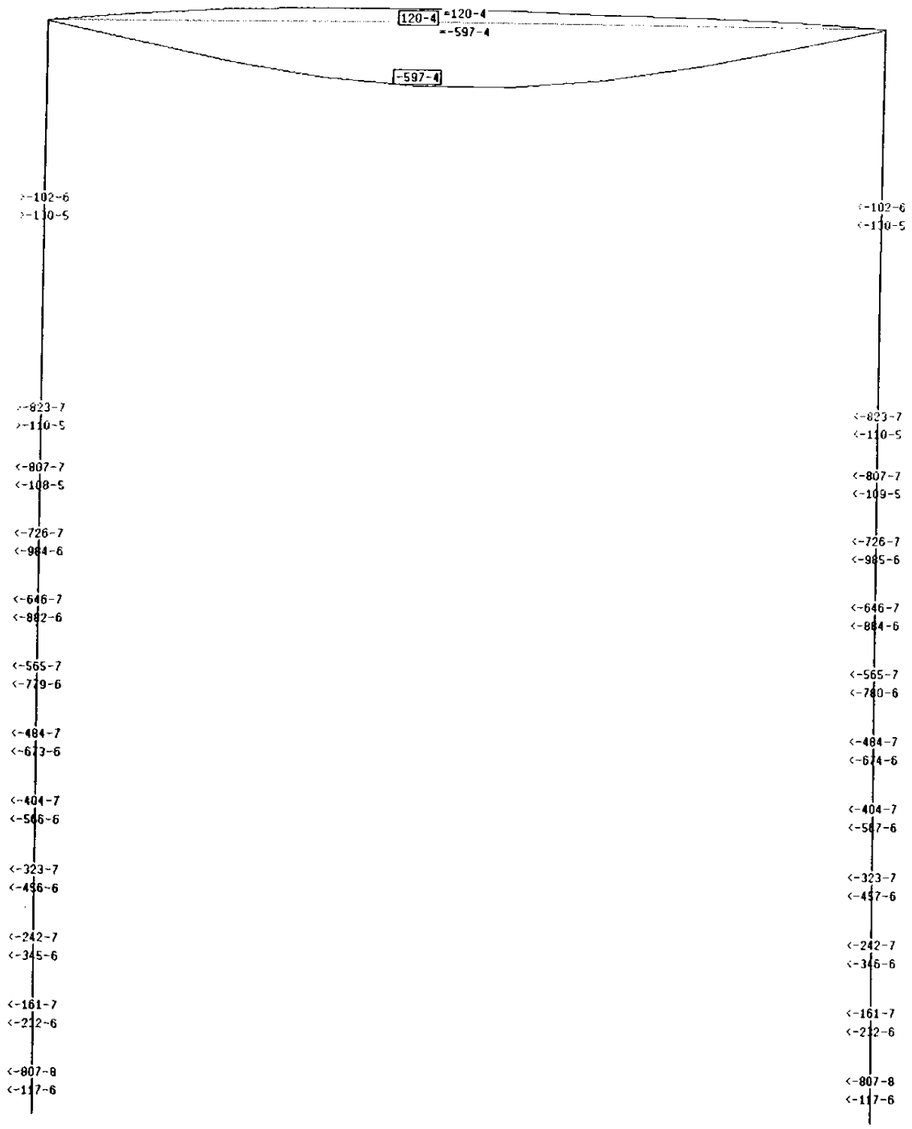
AE	MAS	33	1.500	6	Reológico empotrada

(Z = Sólo parte hiperestático del pretensado)

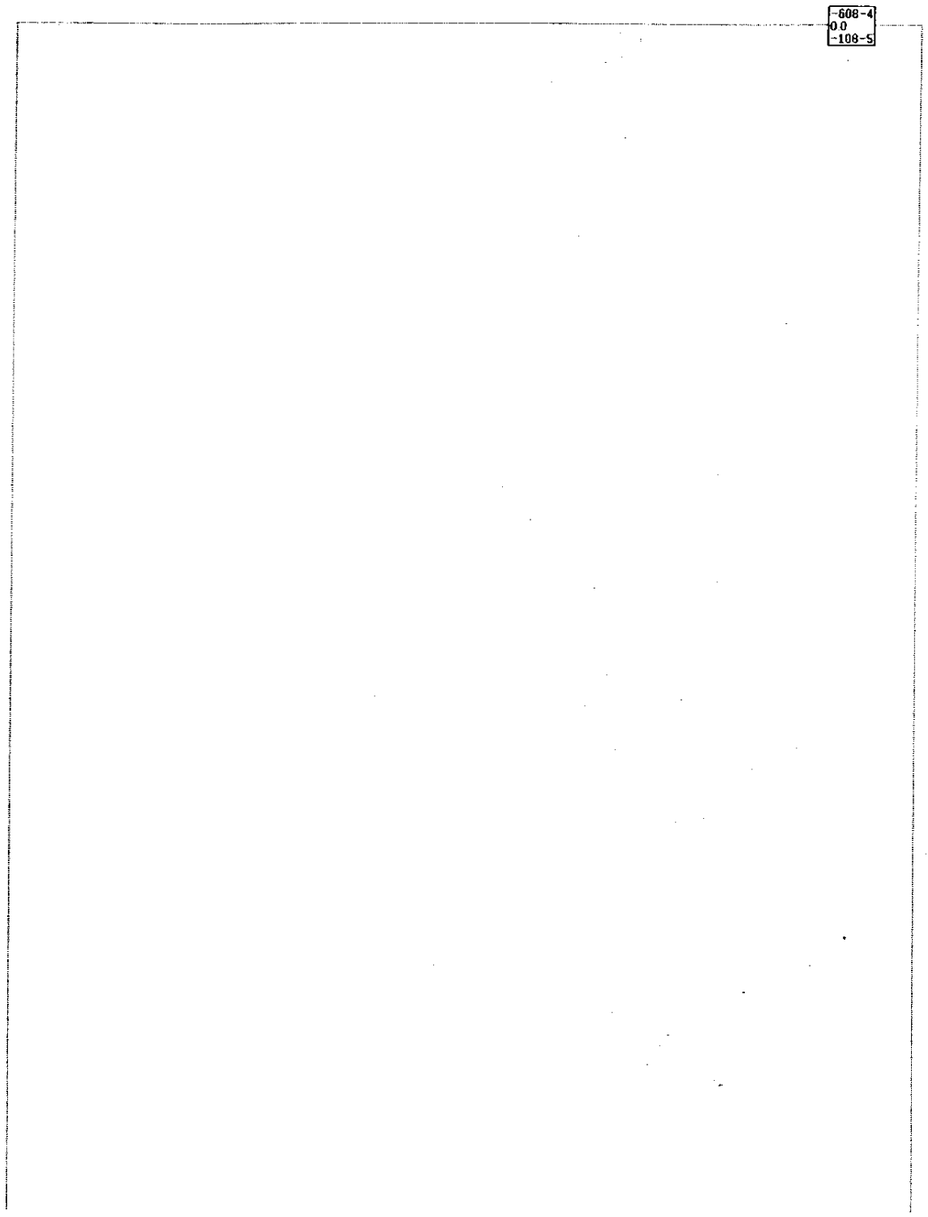
Escala 1 : 115.2
Displacements envelope DX [M], GWSP DS (E.L.U.), View "ALL"
- Struktur: Staebe
- Minimum displacements DX, Ueberh: 2.0E1
- Maximum displacements DX, Ueberh: 2.0E1
- Label minimum value DX-Min. [M]
- Label maximum value DX-Max. [M]



Escala 1 : 110.8
Displacements envelope DZ [M], GWSP DS (E.L.U.), View "ALL"
- Struktur: Staebe
- Minimum displacements DZ, Ueberh: 2.0E1
- Beschriftung Min.Verschiebungen DZ [M]
- Maximum displacements DZ, Ueberh: 2.0E1
- Beschriftung Max.Verschiebungen DZ [M]
- Label minimum value DZ-Min. [M]
- Label maximum value DZ-Max. [M]



Escala 1 : 102.4
Deformed structure, GWSP DS (E.L.U.), View "ALL"
- Struktur: Staebe
- V-Max , Text: Vx,Vy,Vz [N]



ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
1	0	-1264.407	-158.299	433.259	P R S T Y AA AC
		-103.367	625.715	-111.332	C F K M O
1	0.111	-1255.407	-169.390	415.052	P R S T Y AA AC
		-103.367	604.586	-42.984	C F K M O
1	0.222	-1246.407	-180.228	395.626	P R S T Y AA AC
		-103.367	583.701	23.029	C F K M O
1	0.333	-1237.407	-190.815	375.010	P R S T Y AA AC
		-103.367	563.058	86.736	C F K M O
1	0.444	-1228.407	-201.149	353.232	P R S T Y AA AC
		-103.367	542.659	148.162	C F K M O
1	0.556	-1219.407	-211.231	330.320	P R S T Y AA AC
		-103.367	522.503	207.336	C F K M O
1	0.667	-1210.407	-221.061	306.301	P R S T Y AA AC
		-103.367	502.590	264.283	C F K M O
1	0.778	-1201.407	-230.638	281.205	P R S T Y AA AC
		-103.367	482.920	319.031	C F K M O
1	0.889	-1192.407	-239.964	255.058	P R S T Y AA AC
		-103.367	463.493	371.608	C F K M O
1	1.000	-1183.407	-249.038	227.889	P R S T Y AA AC
		-103.367	444.309	422.039	C F K M O
2	0	-1185.775	199.977	162.272	P R S T U Z AB AD AE
		-103.367	-415.508	425.741	C J L N
2	0.111	-1194.775	190.903	183.990	P R S T U Z AB AD AE
		-103.367	-434.692	378.509	C J L N
2	0.222	-1203.775	181.577	204.686	P R S T U Z AB AD AE
		-103.367	-454.118	329.133	C J L N
2	0.333	-1212.775	172.000	224.331	P R S T U Z AB AD AE
		-103.367	-473.788	277.585	C J L N
2	0.444	-1221.775	162.170	242.899	P R S T U Z AB AD AE
		-103.367	-493.701	223.838	C J L N
2	0.556	-1230.775	152.088	260.360	P R S T U Z AB AD AE
		-103.367	-513.857	167.865	C J L N
2	0.667	-1239.775	141.754	276.687	P R S T U Z AB AD AE
		-103.367	-534.257	109.639	C J L N
2	0.778	-1248.775	131.167	291.851	P R S T U Z AB AD AE
		-103.367	-554.899	49.132	C J L N
2	0.889	-1257.775	120.329	305.826	P R S T U Z AB AD AE
		-103.367	-575.784	-13.681	C J L N
2	1.000	-1266.775	109.238	318.582	P R S T U Z AB AD AE
		-103.367	-596.913	-78.829	C J L N
5	0	-576.637	761.112	-1581.447	P R S T X AA AB AC
		47.257	136.191	290.240	Q U AD AE
5	1.744	-576.637	626.747	-370.926	P R S T X AA AB AC
		47.257	105.663	501.191	Q U AD AE
5	3.489	-576.637	492.381	605.202	P R S T X AA AB AC
		47.257	75.136	658.888	Q U AD AE
5	5.233	-576.637	358.015	1346.936	P R S T X AA AB AC
		47.257	44.608	763.331	Q U AD AE
5	6.848	-576.637	233.612	1824.704	P R S T X AA AB AC

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		47.257	16.344	812.552	Q U AD AE
5	6.852	-576.637	75.720	1825.189	P R S T X AA AB AC
		47.257	16.289	812.603	Q U AD AE
5	6.978	-576.637	65.999	1834.132	P R S T X AA AB AC
		47.257	14.080	814.520	Q U AD AE
5	8.722	-576.637	-68.367	1832.067	P R S T X AA AB AC
		47.257	-16.448	812.455	Q U AD AE
5	8.848	-576.637	-78.088	1822.825	P R S T X AA AB AC
		47.257	-18.656	810.240	Q U AD AE
5	8.852	-576.637	-235.980	1822.332	P R S T X AA AB AC
		47.257	-18.711	810.181	Q U AD AE
5	10.467	-576.637	-360.383	1340.741	P R S T X AA AB AC
		47.257	-46.975	757.136	Q U AD AE
5	12.211	-576.637	-494.748	594.877	P R S T X AA AB AC
		47.257	-77.503	648.563	Q U AD AE
5	13.956	-576.637	-629.114	-385.381	P R S T X AA AB AC
		47.257	-108.031	486.736	Q U AD AE
5	15.700	-576.637	-763.480	-1600.033	P R S T X AA AB AC
		47.257	-138.559	271.654	Q U AD AE
20	0	-1183.407	-249.038	227.889	P R S T Y AA AC
		-103.367	444.309	422.039	C F K M O
20	0.767	-1142.792	-304.772	14.828	P R S T Y AA AC
		-103.367	318.567	713.735	C F K M O
20	1.533	-1103.748	-348.503	-236.361	P R S T Y AA AC
		-103.367	204.397	913.465	C F K M O
20	2.300	-1066.274	-380.229	-516.475	P R S T Y AA AC
		-103.367	101.801	1030.102	C F K M O
20	3.067	-1030.370	-399.950	-816.311	P R S T Y AA AC
		-103.367	10.778	1072.518	C F K M O
20	3.833	-996.036	-407.667	-1126.664	P R S T Y AA AC
		-103.367	-68.672	1049.586	C F K M O
20	3.943	-991.260	-407.790	-1171.323	P R S T Y AA AC
		-103.367	-79.077	1041.492	C F K M O
20	4.600	-963.273	-407.790	-1439.299	P R S T Y AA AC
		-88.726	-61.222	1334.612	Q U Z AB AD AE
20	5.367	-932.080	-407.790	-1751.938	P R S T Y AA AC
		-65.620	-117.525	1265.353	Q U Z AB AD AE
20	6.133	-902.458	-407.790	-2064.577	P R S T Y AA AC
		-43.678	-162.255	1157.364	Q U Z AB AD AE
20	6.900	-874.405	-407.790	-2377.216	P R S T Y AA AC
		-22.898	-195.412	1019.519	Q U Z AB AD AE
21	0	-876.773	358.729	-2104.311	P R S T U Z AB AD AE
		-25.266	244.473	709.443	Q Y AA AC
21	0.767	-904.825	358.729	-1829.286	P R S T U Z AB AD AE
		-46.045	211.316	884.902	Q Y AA AC
21	1.533	-934.448	358.729	-1554.260	P R S T U Z AB AD AE
		-67.988	166.586	1030.504	Q Y AA AC
21	2.300	-965.641	358.729	-1279.235	P R S T U Z AB AD AE
		-91.094	110.283	1137.377	Q Y AA AC

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
21	2.957	-993.627	358.729	-1043.499	P R S T U Z AB AD AE
		-103.367	107.879	931.633	C J L N
21	3.067	-998.404	358.606	-1004.214	P R S T U Z AB AD AE
		-103.367	97.474	942.881	C J L N
21	3.833	-1032.737	350.889	-731.473	P R S T U Z AB AD AE
		-103.367	18.024	987.894	C J L N
21	4.600	-1068.641	331.168	-469.251	P R S T U Z AB AD AE
		-103.367	-72.999	967.560	C J L N
21	5.367	-1106.115	299.442	-226.751	P R S T U Z AB AD AE
		-103.367	-175.595	873.004	C J L N
21	6.133	-1145.160	255.711	-13.175	P R S T U Z AB AD AE
		-103.367	-289.765	695.356	C J L N
21	6.900	-1185.775	199.977	162.272	P R S T U Z AB AD AE
		-103.367	-415.508	425.741	C J L N
22	0	-1485.953	0.180699	-0.224067	P R S T Y AA AC
		-103.367	0.560979	-0.695614	C F K M O
22	0.138	-1488.688	0.180699	-0.199171	P R S T Y AA AC
		-103.367	0.560979	-0.618324	C F K M O
22	0.276	-1491.423	0.180699	-0.174274	P R S T Y AA AC
		-103.367	0.560979	-0.541033	C F K M O
22	0.413	-1494.158	0.180699	-0.149378	P R S T Y AA AC
		-103.367	0.560979	-0.463743	C F K M O
22	0.551	-1496.893	0.180699	-0.124482	P R S T Y AA AC
		-103.367	0.560979	-0.386452	C F K M O
22	0.689	-1499.628	0.180699	-0.099585	P R S T Y AA AC
		-103.367	0.560979	-0.309162	C F K M O
22	0.827	-1502.364	0.180699	-0.074689	P R S T Y AA AC
		-103.367	0.560979	-0.231871	C F K M O
22	0.964	-1505.099	0.180699	-0.049793	P R S T Y AA AC
		-103.367	0.560979	-0.154581	C F K M O
22	1.102	-1507.834	0.180699	-0.024896	P R S T Y AA AC
		-103.367	0.560979	-0.077290	C F K M O
22	1.240	-1510.569	0.180699	-2.24E-09	P R S T Y AA AC
		-103.367	0.560979	-6.96E-09	C F K M O
23	0	-1488.320	-0.140306	0.173980	P R S T U Z AB AD AE
		-103.367	-0.556962	0.690633	C J L N
23	0.138	-1491.055	-0.140306	0.154649	P R S T U Z AB AD AE
		-103.367	-0.556962	0.613896	C J L N
23	0.276	-1493.791	-0.140306	0.135317	P R S T U Z AB AD AE
		-103.367	-0.556962	0.537159	C J L N
23	0.413	-1496.526	-0.140306	0.115986	P R S T U Z AB AD AE
		-103.367	-0.556962	0.460422	C J L N
23	0.551	-1499.261	-0.140306	0.096655	P R S T U Z AB AD AE
		-103.367	-0.556962	0.383685	C J L N
23	0.689	-1501.996	-0.140306	0.077324	P R S T U Z AB AD AE
		-103.367	-0.556962	0.306948	C J L N
23	0.827	-1504.731	-0.140306	0.057993	P R S T U Z AB AD AE
		-103.367	-0.556962	0.230211	C J L N
23	0.964	-1507.466	-0.140306	0.038662	P R S T U Z AB AD AE

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-103.367	-0.556962	0.153474	C J L N
23	1.102	-1510.201	-0.140306	0.019331	P R S T U Z AB AD AE
		-103.367	-0.556962	0.076737	C J L N
23	1.240	-1512.937	-0.140306	1.74E-09	P R S T U Z AB AD AE
		-103.367	-0.556962	6.91E-09	C J L N
24	0	-1461.337	-0.777506	0.740040	P R S T Y AA AC
		-103.367	1.918	-3.074	C F K M O
24	0.138	-1464.072	-0.777506	0.632917	P R S T Y AA AC
		-103.367	1.918	-2.810	C F K M O
24	0.276	-1466.807	-0.777506	0.525794	P R S T Y AA AC
		-103.367	1.918	-2.546	C F K M O
24	0.413	-1469.542	-0.777506	0.418671	P R S T Y AA AC
		-103.367	1.918	-2.281	C F K M O
24	0.551	-1472.277	-0.777506	0.311548	P R S T Y AA AC
		-103.367	1.918	-2.017	C F K M O
24	0.689	-1475.012	-0.777506	0.204425	P R S T Y AA AC
		-103.367	1.918	-1.753	C F K M O
24	0.827	-1477.747	-0.777506	0.097302	P R S T Y AA AC
		-103.367	1.918	-1.488	C F K M O
24	0.964	-1480.482	-0.777506	-0.009821	P R S T Y AA AC
		-103.367	1.918	-1.224	C F K M O
24	1.102	-1483.218	-0.777506	-0.116944	P R S T Y AA AC
		-103.367	1.918	-0.959897	C F K M O
24	1.240	-1485.953	-0.777506	-0.224067	P R S T Y AA AC
		-103.367	1.918	-0.695614	C F K M O
25	0	-1463.704	0.550676	-0.508859	P R S T U Z AB AD AE
		-103.367	-1.810	2.935	C J L N
25	0.138	-1466.439	0.550676	-0.432988	P R S T U Z AB AD AE
		-103.367	-1.810	2.686	C J L N
25	0.276	-1469.174	0.550676	-0.357117	P R S T U Z AB AD AE
		-103.367	-1.810	2.436	C J L N
25	0.413	-1471.910	0.550676	-0.281246	P R S T U Z AB AD AE
		-103.367	-1.810	2.187	C J L N
25	0.551	-1474.645	0.550676	-0.205375	P R S T U Z AB AD AE
		-103.367	-1.810	1.938	C J L N
25	0.689	-1477.380	0.550676	-0.129504	P R S T U Z AB AD AE
		-103.367	-1.810	1.688	C J L N
25	0.827	-1480.115	0.550676	-0.053633	P R S T U Z AB AD AE
		-103.367	-1.810	1.439	C J L N
25	0.964	-1482.850	0.550676	0.022238	P R S T U Z AB AD AE
		-103.367	-1.810	1.189	C J L N
25	1.102	-1485.585	0.550676	0.098109	P R S T U Z AB AD AE
		-103.367	-1.810	0.940029	C J L N
25	1.240	-1488.320	0.550676	0.173980	P R S T U Z AB AD AE
		-103.367	-1.810	0.690633	C J L N
26	0	-1436.720	-2.890	4.324	P R S T Y AA AC
		-103.367	3.495	-7.408	C F K M O
26	0.138	-1439.456	-2.890	3.925	P R S T Y AA AC

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-103.367	3.495	-6.926	C F K M O
26	0.276	-1442.191	-2.890	3.527	P R S T Y AA AC
		-103.367	3.495	-6.445	C F K M O
26	0.413	-1444.926	-2.890	3.129	P R S T Y AA AC
		-103.367	3.495	-5.963	C F K M O
26	0.551	-1447.661	-2.890	2.731	P R S T Y AA AC
		-103.367	3.495	-5.482	C F K M O
26	0.689	-1450.396	-2.890	2.333	P R S T Y AA AC
		-103.367	3.495	-5.000	C F K M O
26	0.827	-1453.131	-2.890	1.935	P R S T Y AA AC
		-103.367	3.495	-4.519	C F K M O
26	0.964	-1455.866	-2.890	1.536	P R S T Y AA AC
		-103.367	3.495	-4.037	C F K M O
26	1.102	-1458.601	-2.890	1.138	P R S T Y AA AC
		-103.367	3.495	-3.556	C F K M O
26	1.240	-1461.337	-2.890	0.740040	P R S T Y AA AC
		-103.367	3.495	-3.074	C F K M O
27	0	-1439.088	2.091	-3.102	P R S T U Z AB AD AE
		-103.367	-3.198	6.901	C J L N
27	0.138	-1441.823	2.091	-2.814	P R S T U Z AB AD AE
		-103.367	-3.198	6.460	C J L N
27	0.276	-1444.558	2.091	-2.526	P R S T U Z AB AD AE
		-103.367	-3.198	6.020	C J L N
27	0.413	-1447.293	2.091	-2.238	P R S T U Z AB AD AE
		-103.367	-3.198	5.579	C J L N
27	0.551	-1450.029	2.091	-1.950	P R S T U Z AB AD AE
		-103.367	-3.198	5.138	C J L N
27	0.689	-1452.764	2.091	-1.661	P R S T U Z AB AD AE
		-103.367	-3.198	4.698	C J L N
27	0.827	-1455.499	2.091	-1.373	P R S T U Z AB AD AE
		-103.367	-3.198	4.257	C J L N
27	0.964	-1458.234	2.091	-1.085	P R S T U Z AB AD AE
		-103.367	-3.198	3.817	C J L N
27	1.102	-1460.969	2.091	-0.797004	P R S T U Z AB AD AE
		-103.367	-3.198	3.376	C J L N
27	1.240	-1463.704	2.091	-0.508859	P R S T U Z AB AD AE
		-103.367	-3.198	2.935	C J L N
28	0	-1412.104	-5.461	11.096	P R S T Y AA AC
		-103.367	3.281	-11.476	C F K M O
28	0.138	-1414.839	-5.461	10.343	P R S T Y AA AC
		-103.367	3.281	-11.024	C F K M O
28	0.276	-1417.575	-5.461	9.591	P R S T Y AA AC
		-103.367	3.281	-10.572	C F K M O
28	0.413	-1420.310	-5.461	8.838	P R S T Y AA AC
		-103.367	3.281	-10.120	C F K M O
28	0.551	-1423.045	-5.461	8.086	P R S T Y AA AC
		-103.367	3.281	-9.668	C F K M O
28	0.689	-1425.780	-5.461	7.333	P R S T Y AA AC
		-103.367	3.281	-9.216	C F K M O

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
28	0.827	-1428.515	-5.461	6.581	P R S T Y AA AC
		-103.367	3.281	-8.764	C F K M O
28	0.964	-1431.250	-5.461	5.829	P R S T Y AA AC
		-103.367	3.281	-8.312	C F K M O
28	1.102	-1433.985	-5.461	5.076	P R S T Y AA AC
		-103.367	3.281	-7.860	C F K M O
28	1.240	-1436.720	-5.461	4.324	P R S T Y AA AC
		-103.367	3.281	-7.408	C F K M O
29	0	-1414.472	3.993	-8.053	P R S T U Z AB AD AE
		-103.367	-2.817	10.394	C J L N
29	0.138	-1417.207	3.993	-7.503	P R S T U Z AB AD AE
		-103.367	-2.817	10.006	C J L N
29	0.276	-1419.942	3.993	-6.953	P R S T U Z AB AD AE
		-103.367	-2.817	9.618	C J L N
29	0.413	-1422.677	3.993	-6.403	P R S T U Z AB AD AE
		-103.367	-2.817	9.230	C J L N
29	0.551	-1425.412	3.993	-5.853	P R S T U Z AB AD AE
		-103.367	-2.817	8.842	C J L N
29	0.689	-1428.147	3.993	-5.303	P R S T U Z AB AD AE
		-103.367	-2.817	8.454	C J L N
29	0.827	-1430.883	3.993	-4.753	P R S T U Z AB AD AE
		-103.367	-2.817	8.065	C J L N
29	0.964	-1433.618	3.993	-4.202	P R S T U Z AB AD AE
		-103.367	-2.817	7.677	C J L N
29	1.102	-1436.353	3.993	-3.652	P R S T U Z AB AD AE
		-103.367	-2.817	7.289	C J L N
29	1.240	-1439.088	3.993	-3.102	P R S T U Z AB AD AE
		-103.367	-2.817	6.901	C J L N
30	0	-1387.488	-5.622	18.067	P R S T Y AA AC
		-103.367	-3.074	-7.664	C F K M O
30	0.138	-1390.223	-5.622	17.293	P R S T Y AA AC
		-103.367	-3.074	-8.087	C F K M O
30	0.276	-1392.958	-5.622	16.518	P R S T Y AA AC
		-103.367	-3.074	-8.511	C F K M O
30	0.413	-1395.693	-5.622	15.743	P R S T Y AA AC
		-103.367	-3.074	-8.935	C F K M O
30	0.551	-1398.429	-5.622	14.969	P R S T Y AA AC
		-103.367	-3.074	-9.358	C F K M O
30	0.689	-1401.164	-5.622	14.194	P R S T Y AA AC
		-103.367	-3.074	-9.782	C F K M O
30	0.827	-1403.899	-5.622	13.420	P R S T Y AA AC
		-103.367	-3.074	-10.205	C F K M O
30	0.964	-1406.634	-5.622	12.645	P R S T Y AA AC
		-103.367	-3.074	-10.629	C F K M O
30	1.102	-1409.369	-5.622	11.870	P R S T Y AA AC
		-103.367	-3.074	-11.053	C F K M O
30	1.240	-1412.104	-5.622	11.096	P R S T Y AA AC
		-103.367	-3.074	-11.476	C F K M O

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
31	0	-1389.856	4.189	-13.248	P R S T U Z AB AD AE
		-103.367	3.366	6.221	C J L N
31	0.138	-1392.591	4.189	-12.671	P R S T U Z AB AD AE
		-103.367	3.366	6.685	C J L N
31	0.276	-1395.326	4.189	-12.094	P R S T U Z AB AD AE
		-103.367	3.366	7.148	C J L N
31	0.413	-1398.061	4.189	-11.517	P R S T U Z AB AD AE
		-103.367	3.366	7.612	C J L N
31	0.551	-1400.796	4.189	-10.939	P R S T U Z AB AD AE
		-103.367	3.366	8.076	C J L N
31	0.689	-1403.531	4.189	-10.362	P R S T U Z AB AD AE
		-103.367	3.366	8.539	C J L N
31	0.827	-1406.266	4.189	-9.785	P R S T U Z AB AD AE
		-103.367	3.366	9.003	C J L N
31	0.964	-1409.002	4.189	-9.208	P R S T U Z AB AD AE
		-103.367	3.366	9.467	C J L N
31	1.102	-1411.737	4.189	-8.631	P R S T U Z AB AD AE
		-103.367	3.366	9.931	C J L N
31	1.240	-1414.472	4.189	-8.053	P R S T U Z AB AD AE
		-103.367	3.366	10.394	C J L N
32	0	-1362.872	3.205	14.093	P R S T Y AA AC
		-103.367	-21.578	19.093	C F K M O
32	0.138	-1365.607	3.205	14.535	P R S T Y AA AC
		-103.367	-21.578	16.120	C F K M O
32	0.276	-1368.342	3.205	14.976	P R S T Y AA AC
		-103.367	-21.578	13.147	C F K M O
32	0.413	-1371.077	3.205	15.418	P R S T Y AA AC
		-103.367	-21.578	10.174	C F K M O
32	0.551	-1373.812	3.205	15.860	P R S T Y AA AC
		-103.367	-21.578	7.201	C F K M O
32	0.689	-1376.548	3.205	16.301	P R S T Y AA AC
		-103.367	-21.578	4.228	C F K M O
32	0.827	-1379.283	3.205	16.743	P R S T Y AA AC
		-103.367	-21.578	1.255	C F K M O
32	0.964	-1382.018	3.205	17.184	P R S T Y AA AC
		-103.367	-21.578	-1.718	C F K M O
32	1.102	-1384.753	3.205	17.626	P R S T Y AA AC
		-103.367	-21.578	-4.691	C F K M O
32	1.240	-1387.488	3.205	18.067	P R S T Y AA AC
		-103.367	-21.578	-7.664	C F K M O
33	0	-1365.240	-2.102	-10.641	P R S T U Z AB AD AE
		-103.367	20.738	-19.493	C J L N
33	0.138	-1367.975	-2.102	-10.931	P R S T U Z AB AD AE
		-103.367	20.738	-16.636	C J L N
33	0.276	-1370.710	-2.102	-11.220	P R S T U Z AB AD AE
		-103.367	20.738	-13.779	C J L N
33	0.413	-1373.445	-2.102	-11.510	P R S T U Z AB AD AE
		-103.367	20.738	-10.922	C J L N
33	0.551	-1376.180	-2.102	-11.800	P R S T U Z AB AD AE

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-103.367	20.738	-8.065	C J L N
33	0.689	-1378.915	-2.102	-12.090	P R S T U Z AB AD AE
		-103.367	20.738	-5.208	C J L N
33	0.827	-1381.650	-2.102	-12.379	P R S T U Z AB AD AE
		-103.367	20.738	-2.350	C J L N
33	0.964	-1384.385	-2.102	-12.669	P R S T U Z AB AD AE
		-103.367	20.738	0.506686	C J L N
33	1.102	-1387.121	-2.102	-12.959	P R S T U Z AB AD AE
		-103.367	20.738	3.364	C J L N
33	1.240	-1389.856	-2.102	-13.248	P R S T U Z AB AD AE
		-103.367	20.738	6.221	C J L N
34	0	-1338.256	30.620	-23.875	P R S T Y AA AC
		-103.367	-54.500	86.673	C F K M O
34	0.138	-1340.991	30.620	-19.656	P R S T Y AA AC
		-103.367	-54.500	79.165	C F K M O
34	0.276	-1343.726	30.620	-15.438	P R S T Y AA AC
		-103.367	-54.500	71.656	C F K M O
34	0.413	-1346.461	30.620	-11.219	P R S T Y AA AC
		-103.367	-54.500	64.147	C F K M O
34	0.551	-1349.196	30.620	-7.000	P R S T Y AA AC
		-103.367	-54.500	56.638	C F K M O
34	0.689	-1351.931	30.620	-2.782	P R S T Y AA AC
		-103.367	-54.500	49.129	C F K M O
34	0.827	-1354.667	30.620	1.437	P R S T Y AA AC
		-103.367	-54.500	41.620	C F K M O
34	0.964	-1357.402	30.620	5.656	P R S T Y AA AC
		-103.367	-54.500	34.111	C F K M O
34	1.102	-1360.137	30.620	9.875	P R S T Y AA AC
		-103.367	-54.500	26.602	C F K M O
34	1.240	-1362.872	30.620	14.093	P R S T Y AA AC
		-103.367	-54.500	19.093	C F K M O
35	0	-1340.623	-21.944	16.570	P R S T U Z AB AD AE
		-103.367	50.854	-82.552	C J L N
35	0.138	-1343.358	-21.944	13.546	P R S T U Z AB AD AE
		-103.367	50.854	-75.546	C J L N
35	0.276	-1346.094	-21.944	10.523	P R S T U Z AB AD AE
		-103.367	50.854	-68.539	C J L N
35	0.413	-1348.829	-21.944	7.500	P R S T U Z AB AD AE
		-103.367	50.854	-61.533	C J L N
35	0.551	-1351.564	-21.944	4.476	P R S T U Z AB AD AE
		-103.367	50.854	-54.526	C J L N
35	0.689	-1354.299	-21.944	1.453	P R S T U Z AB AD AE
		-103.367	50.854	-47.520	C J L N
35	0.827	-1357.034	-21.944	-1.571	P R S T U Z AB AD AE
		-103.367	50.854	-40.513	C J L N
35	0.964	-1359.769	-21.944	-4.594	P R S T U Z AB AD AE
		-103.367	50.854	-33.507	C J L N
35	1.102	-1362.504	-21.944	-7.618	P R S T U Z AB AD AE
		-103.367	50.854	-26.500	C J L N

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
35	1.240	-1365.240	-21.944	-10.641	P R S T U Z AB AD AE
		-103.367	50.854	-19.493	C J L N
36	0	-1313.640	81.603	-125.063	P R S T Y AA AC
		-103.367	-86.534	193.975	C F K M O
36	0.138	-1316.375	81.603	-113.820	P R S T Y AA AC
		-103.367	-86.534	182.053	C F K M O
36	0.276	-1319.110	81.603	-102.577	P R S T Y AA AC
		-103.367	-86.534	170.130	C F K M O
36	0.413	-1321.845	81.603	-91.334	P R S T Y AA AC
		-103.367	-86.534	158.208	C F K M O
36	0.551	-1324.580	81.603	-80.091	P R S T Y AA AC
		-103.367	-86.534	146.285	C F K M O
36	0.689	-1327.315	81.603	-68.848	P R S T Y AA AC
		-103.367	-86.534	134.363	C F K M O
36	0.827	-1330.050	81.603	-57.605	P R S T Y AA AC
		-103.367	-86.534	122.441	C F K M O
36	0.964	-1332.785	81.603	-46.361	P R S T Y AA AC
		-103.367	-86.534	110.518	C F K M O
36	1.102	-1335.521	81.603	-35.118	P R S T Y AA AC
		-103.367	-86.534	98.596	C F K M O
36	1.240	-1338.256	81.603	-23.875	P R S T Y AA AC
		-103.367	-86.534	86.673	C F K M O
37	0	-1316.007	-59.202	89.980	P R S T U Z AB AD AE
		-103.367	78.515	-179.911	C J L N
37	0.138	-1318.742	-59.202	81.823	P R S T U Z AB AD AE
		-103.367	78.515	-169.093	C J L N
37	0.276	-1321.477	-59.202	73.667	P R S T U Z AB AD AE
		-103.367	78.515	-158.275	C J L N
37	0.413	-1324.213	-59.202	65.510	P R S T U Z AB AD AE
		-103.367	78.515	-147.458	C J L N
37	0.551	-1326.948	-59.202	57.353	P R S T U Z AB AD AE
		-103.367	78.515	-136.640	C J L N
37	0.689	-1329.683	-59.202	49.197	P R S T U Z AB AD AE
		-103.367	78.515	-125.823	C J L N
37	0.827	-1332.418	-59.202	41.040	P R S T U Z AB AD AE
		-103.367	78.515	-115.005	C J L N
37	0.964	-1335.153	-59.202	32.883	P R S T U Z AB AD AE
		-103.367	78.515	-104.187	C J L N
37	1.102	-1337.888	-59.202	24.727	P R S T U Z AB AD AE
		-103.367	78.515	-93.370	C J L N
37	1.240	-1340.623	-59.202	16.570	P R S T U Z AB AD AE
		-103.367	78.515	-82.552	C J L N
38	0	-1289.023	135.818	-293.478	P R S T Y AA AC
		-103.367	-62.541	271.526	C F K M O
38	0.138	-1291.759	135.818	-274.765	P R S T Y AA AC
		-103.367	-62.541	262.910	C F K M O
38	0.276	-1294.494	135.818	-256.052	P R S T Y AA AC
		-103.367	-62.541	254.293	C F K M O

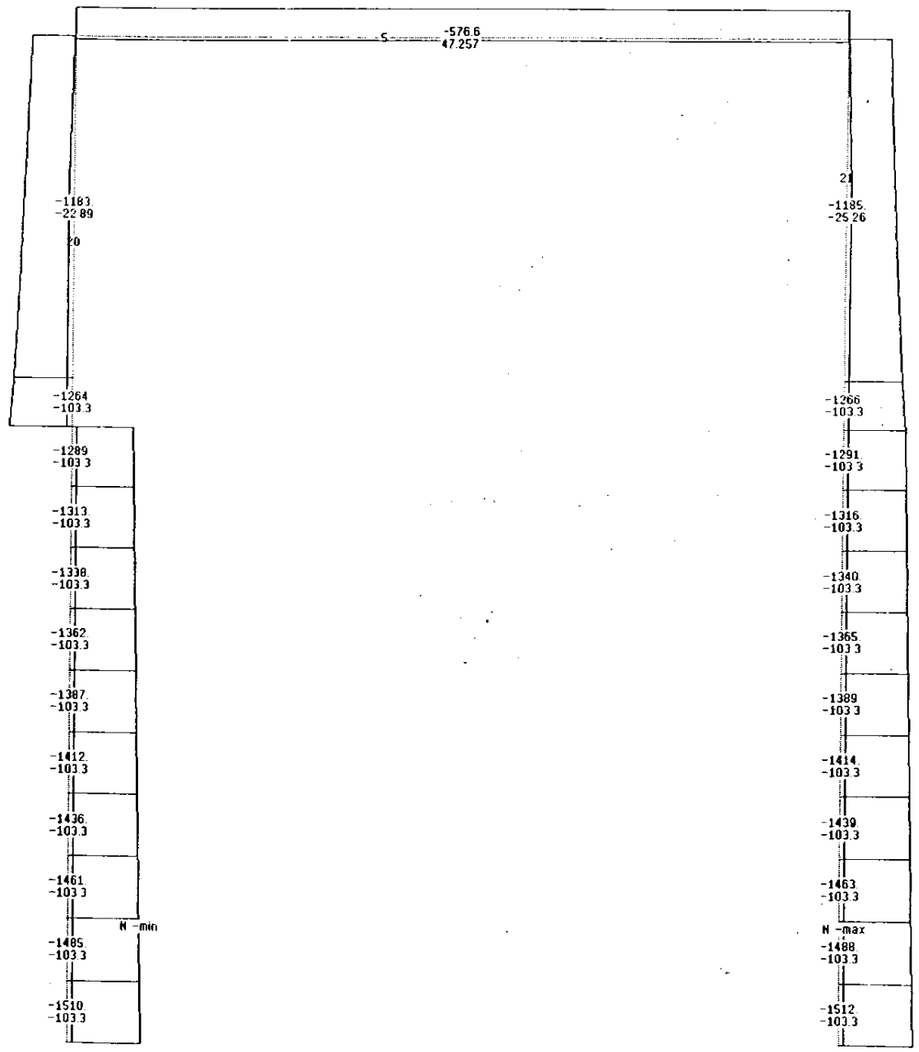
ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
38	0.413	-1297.229	135.818	-237.340	P R S T Y AA AC
		-103.367	-62.541	245.676	C F K M O
38	0.551	-1299.964	135.818	-218.627	P R S T Y AA AC
		-103.367	-62.541	237.059	C F K M O
38	0.689	-1302.699	135.818	-199.914	P R S T Y AA AC
		-103.367	-62.541	228.442	C F K M O
38	0.827	-1305.434	135.818	-181.202	P R S T Y AA AC
		-103.367	-62.541	219.826	C F K M O
38	0.964	-1308.169	135.818	-162.489	P R S T Y AA AC
		-103.367	-62.541	211.209	C F K M O
38	1.102	-1310.904	135.818	-143.776	P R S T Y AA AC
		-103.367	-62.541	202.592	C F K M O
38	1.240	-1313.640	135.818	-125.063	P R S T Y AA AC
		-103.367	-62.541	193.975	C F K M O
39	0	-1291.391	-99.531	213.398	P R S T U Z AB AD AE
		-103.367	51.552	-243.836	C J L N
39	0.138	-1294.126	-99.531	199.685	P R S T U Z AB AD AE
		-103.367	51.552	-236.733	C J L N
39	0.276	-1296.861	-99.531	185.972	P R S T U Z AB AD AE
		-103.367	51.552	-229.630	C J L N
39	0.413	-1299.596	-99.531	172.259	P R S T U Z AB AD AE
		-103.367	51.552	-222.527	C J L N
39	0.551	-1302.332	-99.531	158.545	P R S T U Z AB AD AE
		-103.367	51.552	-215.425	C J L N
39	0.689	-1305.067	-99.531	144.832	P R S T U Z AB AD AE
		-103.367	51.552	-208.322	C J L N
39	0.827	-1307.802	-99.531	131.119	P R S T U Z AB AD AE
		-103.367	51.552	-201.219	C J L N
39	0.964	-1310.537	-99.531	117.406	P R S T U Z AB AD AE
		-103.367	51.552	-194.116	C J L N
39	1.102	-1313.272	-99.531	103.693	P R S T U Z AB AD AE
		-103.367	51.552	-187.013	C J L N
39	1.240	-1316.007	-99.531	89.980	P R S T U Z AB AD AE
		-103.367	51.552	-179.911	C J L N
40	0	-1264.407	112.727	-433.259	P R S T Y AA AC
		-103.367	129.189	111.332	C F K M O
40	0.138	-1267.142	112.727	-417.728	P R S T Y AA AC
		-103.367	129.189	129.132	C F K M O
40	0.276	-1269.877	112.727	-402.197	P R S T Y AA AC
		-103.367	129.189	146.931	C F K M O
40	0.413	-1272.613	112.727	-386.665	P R S T Y AA AC
		-103.367	129.189	164.730	C F K M O
40	0.551	-1275.348	112.727	-371.134	P R S T Y AA AC
		-103.367	129.189	182.530	C F K M O
40	0.689	-1278.083	112.727	-355.603	P R S T Y AA AC
		-103.367	129.189	200.329	C F K M O
40	0.827	-1280.818	112.727	-340.072	P R S T Y AA AC
		-103.367	129.189	218.128	C F K M O
40	0.964	-1283.553	112.727	-324.540	P R S T Y AA AC

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-103.367	129.189	235.928	C F K M O
40	1.102	-1286.288	112.727	-309.009	P R S T Y AA AC
		-103.367	129.189	253.727	C F K M O
40	1.240	-1289.023	112.727	-293.478	P R S T Y AA AC
		-103.367	129.189	271.526	C F K M O
41	0	-1266.775	-84.826	318.582	P R S T U Z AB AD AE
		-103.367	-133.070	-78.829	C J L N
41	0.138	-1269.510	-84.826	306.895	P R S T U Z AB AD AE
		-103.367	-133.070	-97.163	C J L N
41	0.276	-1272.245	-84.826	295.208	P R S T U Z AB AD AE
		-103.367	-133.070	-115.497	C J L N
41	0.413	-1274.980	-84.826	283.520	P R S T U Z AB AD AE
		-103.367	-133.070	-133.831	C J L N
41	0.551	-1277.715	-84.826	271.833	P R S T U Z AB AD AE
		-103.367	-133.070	-152.165	C J L N
41	0.689	-1280.450	-84.826	260.146	P R S T U Z AB AD AE
		-103.367	-133.070	-170.499	C J L N
41	0.827	-1283.186	-84.826	248.459	P R S T U Z AB AD AE
		-103.367	-133.070	-188.833	C J L N
41	0.964	-1285.921	-84.826	236.772	P R S T U Z AB AD AE
		-103.367	-133.070	-207.168	C J L N
41	1.102	-1288.656	-84.826	225.085	P R S T U Z AB AD AE
		-103.367	-133.070	-225.502	C J L N
41	1.240	-1291.391	-84.826	213.398	P R S T U Z AB AD AE
		-103.367	-133.070	-243.836	C J L N

Escala 1 : 120.5
Section forces envelope N , GWSP DS (E.L.U.), View "ALL"
- Struktur: Staebe
- Envelop Normal force N-min, Scaling 1.00E-03
  min: -1.51E+03 max: -5.77E+02 [kN]
- Envelop Normal force N-max, Scaling 1.00E-03
  min: -1.03E+02 max: 4.73E+01 [kN]
- Text envelopes [kN]



ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
1	0	-1173.844	-198.488	45.473	P R S T AA AC
		-311.789	701.040	-168.724	Q U Z AB AD AE
1	0.111	-1164.844	-198.488	23.419	P R S T AA AC
		-305.122	679.912	-92.006	Q U Z AB AD AE
1	0.222	-1155.844	-198.488	1.365	P R S T AA AC
		-298.455	659.027	-17.623	Q U Z AB AD AE
1	0.333	-1146.844	-198.488	-20.689	P R S T AA AC
		-291.789	638.384	54.453	Q U Z AB AD AE
1	0.444	-1228.407	-201.149	353.232	P R S T Y AA AC
		-285.122	617.985	124.249	Q U Z AB AD AE
1	0.556	-1219.407	-211.231	330.320	P R S T Y AA AC
		-278.455	597.829	191.792	Q U Z AB AD AE
1	0.667	-1210.407	-221.061	306.301	P R S T Y AA AC
		-271.789	577.916	257.109	Q U Z AB AD AE
1	0.778	-1201.407	-230.638	281.205	P R S T Y AA AC
		-265.122	558.246	320.227	Q U Z AB AD AE
1	0.889	-1192.407	-239.964	255.058	P R S T Y AA AC
		-258.455	538.819	381.173	Q U Z AB AD AE
1	1.000	-1183.407	-249.038	227.889	P R S T Y AA AC
		-251.789	519.635	439.973	Q U Z AB AD AE
2	0	-254.156	-519.635	421.388	Q U Y AA AD AE
		-1185.775	249.038	209.303	P R S T Z AB AC
2	0.111	-260.823	-538.819	362.587	Q U Y AA AD AE
		-1194.775	239.964	236.472	P R S T Z AB AC
2	0.222	-267.489	-558.246	301.641	Q U Y AA AD AE
		-1203.775	230.638	262.619	P R S T Z AB AC
2	0.333	-274.156	-577.916	238.523	Q U Y AA AD AE
		-1212.775	221.061	287.716	P R S T Z AB AC
2	0.444	-280.823	-597.829	173.206	Q U Y AA AD AE
		-1221.775	211.231	311.734	P R S T Z AB AC
2	0.556	-287.489	-617.985	105.663	Q U Y AA AD AE
		-1230.775	201.149	334.647	P R S T Z AB AC
2	0.667	-294.156	-638.384	35.867	Q U Y AA AD AE
		-1149.212	198.488	-39.275	P R S T AB AC
2	0.778	-300.823	-659.027	-36.209	Q U Y AA AD AE
		-1158.212	198.488	-17.221	P R S T AB AC
2	0.889	-307.489	-679.912	-110.592	Q U Y AA AD AE
		-1167.212	198.488	4.833	P R S T AB AC
2	1.000	-314.156	-701.040	-187.309	Q U Y AA AD AE
		-1176.212	198.488	26.887	P R S T AB AC
5	0	-195.412	22.898	1019.519	Q U Z AB AD AE
		-407.790	874.405	-2377.216	P R S T Y AA AC
5	1.744	-195.412	-7.630	1032.837	Q U Z AB AD AE
		-407.790	740.040	-969.061	P R S T Y AA AC
5	3.489	-195.412	-38.157	992.901	Q U Z AB AD AE
		-407.790	605.674	204.700	P R S T Y AA AC
5	5.233	-195.412	-68.685	899.710	Q U Z AB AD AE
		-407.790	471.308	1144.067	P R S T Y AA AC
5	6.848	-195.412	-96.949	765.953	Q U Z AB AD AE

ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-407.790	346.905	1804.814	P R S T Y AA AC
5	6.852	-195.412	-97.004	765.648	Q U Z AB AD AE
		-407.790	189.013	1805.655	P R S T Y AA AC
5	6.978	-195.412	-99.213	753.266	Q U Z AB AD AE
		-407.790	179.292	1828.897	P R S T Y AA AC
5	8.722	-303.880	-181.660	1483.931	P R S U Z AB AD AE
		-299.322	96.845	1094.102	Q T Y AA AC
5	8.848	-303.880	-191.381	1460.390	P R S U Z AB AD AE
		-299.322	94.637	1106.185	Q T Y AA AC
5	8.852	-358.729	-349.273	2093.933	P R S T U Z AB AD AE
		-244.473	94.582	472.091	Q Y AA AC
5	10.467	-358.729	-473.675	1429.362	P R S T U Z AB AD AE
		-244.473	66.317	602.025	Q Y AA AC
5	12.211	-358.729	-608.041	485.865	P R S T U Z AB AD AE
		-244.473	35.790	691.085	Q Y AA AC
5	13.956	-358.729	-742.407	-692.026	P R S T U Z AB AD AE
		-244.473	5.262	726.891	Q Y AA AC
5	15.700	-358.729	-876.773	-2104.311	P R S T U Z AB AD AE
		-244.473	-25.266	709.443	Q Y AA AC
20	0	-1183.407	-249.038	227.889	P R S T Y AA AC
		-251.789	519.635	439.974	Q U Z AB AD AE
20	0.767	-1142.792	-304.772	14.828	P R S T Y AA AC
		-221.703	393.893	789.420	Q U Z AB AD AE
20	1.533	-1103.748	-348.503	-236.361	P R S T Y AA AC
		-192.782	279.723	1046.900	Q U Z AB AD AE
20	2.300	-1066.274	-380.229	-516.475	P R S T Y AA AC
		-165.023	177.127	1221.286	Q U Z AB AD AE
20	3.067	-1030.370	-399.950	-816.311	P R S T Y AA AC
		-138.427	86.104	1321.452	Q U Z AB AD AE
20	3.833	-996.036	-407.667	-1126.664	P R S T Y AA AC
		-203.558	59.890	339.190	Q U AB AD AE
20	3.943	-991.260	-407.790	-1171.323	P R S T Y AA AC
		-200.020	58.247	345.659	Q U AB AD AE
20	4.600	-872.710	-443.581	-588.685	P R S T X AA AC
		-179.289	48.390	380.697	Q U AB AD AE
20	5.367	-818.787	-498.751	-751.068	P R S T X AA AB AC
		-178.913	47.257	217.779	Q U AD AE
20	6.133	-789.165	-543.481	-1151.329	P R S T X AA AB AC
		-156.971	47.257	254.009	Q U AD AE
20	6.900	-761.112	-576.637	-1581.447	P R S T X AA AB AC
		-136.191	47.257	290.240	Q U AD AE
21	0	-138.559	-47.257	271.654	Q U AD AE
		-763.480	576.637	-1600.033	P R S T X AA AB AC
21	0.767	-159.338	-47.257	235.424	Q U AD AE
		-791.532	543.481	-1169.915	P R S T X AA AB AC
21	1.533	-181.281	-47.257	199.193	Q U AD AE
		-821.155	498.751	-769.653	P R S T X AA AB AC
21	2.300	-181.657	-48.390	362.112	Q U AA AD AE
		-875.078	443.581	-607.271	P R S T X AB AC

ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
21	2.957	-202.387	-58.247	327.074	Q U AA AD AE
		-993.627	407.790	-1189.908	P R S T Z AB AC
21	3.067	-205.926	-59.890	320.604	Q U AA AD AE
		-998.404	407.667	-1145.250	P R S T Z AB AC
21	3.833	-140.795	-86.104	1302.866	Q U Y AA AD AE
		-1032.737	399.950	-834.896	P R S T Z AB AC
21	4.600	-167.391	-177.127	1202.700	Q U Y AA AD AE
		-1068.641	380.229	-535.061	P R S T Z AB AC
21	5.367	-195.149	-279.723	1028.314	Q U Y AA AD AE
		-1106.115	348.503	-254.947	P R S T Z AB AC
21	6.133	-224.071	-393.893	770.834	Q U Y AA AD AE
		-1145.160	304.772	-3.758	P R S T Z AB AC
21	6.900	-254.156	-519.635	421.388	Q U Y AA AD AE
		-1185.775	249.038	209.303	P R S T Z AB AC
22	0	-1372.660	-0.236555	0.293328	P R S T AD AE
		-589.189	0.744214	-0.922825	Q U X AA AB AC
22	0.138	-1375.395	-0.236555	0.260736	P R S T AD AE
		-591.215	0.744214	-0.820289	Q U X AA AB AC
22	0.276	-1378.130	-0.236555	0.228144	P R S T AD AE
		-593.241	0.744214	-0.717753	Q U X AA AB AC
22	0.413	-1380.865	-0.236555	0.195552	P R S T AD AE
		-595.267	0.744214	-0.615217	Q U X AA AB AC
22	0.551	-1383.600	-0.236555	0.162960	P R S T AD AE
		-597.293	0.744214	-0.512681	Q U X AA AB AC
22	0.689	-1386.335	-0.236555	0.130368	P R S T AD AE
		-599.319	0.744214	-0.410144	Q U X AA AB AC
22	0.827	-1389.071	-0.236555	0.097776	P R S T AD AE
		-601.345	0.744214	-0.307608	Q U X AA AB AC
22	0.964	-1391.806	-0.236555	0.065184	P R S T AD AE
		-603.371	0.744214	-0.205072	Q U X AA AB AC
22	1.102	-1394.541	-0.236555	0.032592	P R S T AD AE
		-605.397	0.744214	-0.102536	Q U X AA AB AC
22	1.240	-1397.276	-0.236555	2.93E-09	P R S T AD AE
		-607.423	0.744214	-9.23E-09	Q U X AA AB AC
23	0	-591.557	-0.729412	0.904471	Q U X AA AB AC
		-1375.027	0.251357	-0.311682	P R S T AD AE
23	0.138	-593.583	-0.729412	0.803974	Q U X AA AB AC
		-1377.763	0.251357	-0.277051	P R S T AD AE
23	0.276	-595.609	-0.729412	0.703477	Q U X AA AB AC
		-1380.498	0.251357	-0.242419	P R S T AD AE
23	0.413	-597.635	-0.729412	0.602981	Q U X AA AB AC
		-1383.233	0.251357	-0.207788	P R S T AD AE
23	0.551	-599.661	-0.729412	0.502484	Q U X AA AB AC
		-1385.968	0.251357	-0.173157	P R S T AD AE
23	0.689	-601.687	-0.729412	0.401987	Q U X AA AB AC
		-1388.703	0.251357	-0.138525	P R S T AD AE
23	0.827	-603.713	-0.729412	0.301490	Q U X AA AB AC
		-1391.438	0.251357	-0.103894	P R S T AD AE
23	0.964	-605.739	-0.729412	0.200994	Q U X AA AB AC

ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-1394.173	0.251357	-0.069263	P R S T AD AE
23	1.102	-607.765	-0.729412	0.100497	Q U X AA AB AC
		-1396.908	0.251357	-0.034631	P R S T AD AE
23	1.240	-609.791	-0.729412	9.04E-09	Q U X AA AB AC
		-1399.644	0.251357	-3.12E-09	P R S T AD AE
24	0	-1461.337	-0.777506	0.740040	P R S T Y AA AC
		-457.662	2.181	-3.440	Q U Z AB AD AE
24	0.138	-1464.072	-0.777506	0.632917	P R S T Y AA AC
		-459.688	2.181	-3.140	Q U Z AB AD AE
24	0.276	-1466.807	-0.777506	0.525794	P R S T Y AA AC
		-461.714	2.181	-2.839	Q U Z AB AD AE
24	0.413	-1469.542	-0.777506	0.418671	P R S T Y AA AC
		-463.740	2.181	-2.539	Q U Z AB AD AE
24	0.551	-1472.277	-0.777506	0.311548	P R S T Y AA AC
		-465.766	2.181	-2.238	Q U Z AB AD AE
24	0.689	-1475.012	-0.777506	0.204425	P R S T Y AA AC
		-467.792	2.181	-1.938	Q U Z AB AD AE
24	0.827	-1477.747	-0.777506	0.097302	P R S T Y AA AC
		-469.818	2.181	-1.637	Q U Z AB AD AE
24	0.964	-1480.482	-0.777506	-0.009821	P R S T Y AA AC
		-471.844	2.181	-1.337	Q U Z AB AD AE
24	1.102	-1483.218	-0.777506	-0.116944	P R S T Y AA AC
		-473.870	2.181	-1.036	Q U Z AB AD AE
24	1.240	-1485.953	-0.777506	-0.224067	P R S T Y AA AC
		-475.896	2.181	-0.735914	Q U Z AB AD AE
25	0	-460.030	-2.194	3.438	Q U Y AA AD AE
		-1463.704	0.764098	-0.741769	P R S T Z AB AC
25	0.138	-462.056	-2.194	3.136	Q U Y AA AD AE
		-1466.439	0.764098	-0.636493	P R S T Z AB AC
25	0.276	-464.082	-2.194	2.834	Q U Y AA AD AE
		-1469.174	0.764098	-0.531218	P R S T Z AB AC
25	0.413	-466.108	-2.194	2.531	Q U Y AA AD AE
		-1471.910	0.764098	-0.425942	P R S T Z AB AC
25	0.551	-468.134	-2.194	2.229	Q U Y AA AD AE
		-1474.645	0.764098	-0.320666	P R S T Z AB AC
25	0.689	-470.160	-2.194	1.927	Q U Y AA AD AE
		-1477.380	0.764098	-0.215390	P R S T Z AB AC
25	0.827	-472.186	-2.194	1.625	Q U Y AA AD AE
		-1480.115	0.764098	-0.110115	P R S T Z AB AC
25	0.964	-474.212	-2.194	1.322	Q U Y AA AD AE
		-1482.850	0.764098	-0.004839	P R S T Z AB AC
25	1.102	-476.238	-2.194	1.020	Q U Y AA AD AE
		-1485.585	0.764098	0.100437	P R S T Z AB AC
25	1.240	-478.264	-2.194	0.717560	Q U Y AA AD AE
		-1488.320	0.764098	0.205713	P R S T Z AB AC
26	0	-1436.720	-2.890	4.324	P R S T Y AA AC
		-439.428	4.133	-8.565	Q U Z AB AD AE
26	0.138	-1439.456	-2.890	3.925	P R S T Y AA AC

ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-441.454	4.133	-7.996	Q U Z AB AD AE
26	0.276	-1442.191	-2.890	3.527	P R S T Y AA AC
		-443.480	4.133	-7.426	Q U Z AB AD AE
26	0.413	-1444.926	-2.890	3.129	P R S T Y AA AC
		-445.506	4.133	-6.857	Q U Z AB AD AE
26	0.551	-1447.661	-2.890	2.731	P R S T Y AA AC
		-447.532	4.133	-6.287	Q U Z AB AD AE
26	0.689	-1450.396	-2.890	2.333	P R S T Y AA AC
		-449.558	4.133	-5.718	Q U Z AB AD AE
26	0.827	-1453.131	-2.890	1.935	P R S T Y AA AC
		-451.584	4.133	-5.149	Q U Z AB AD AE
26	0.964	-1455.866	-2.890	1.536	P R S T Y AA AC
		-453.610	4.133	-4.579	Q U Z AB AD AE
26	1.102	-1458.601	-2.890	1.138	P R S T Y AA AC
		-455.636	4.133	-4.010	Q U Z AB AD AE
26	1.240	-1461.337	-2.890	0.740040	P R S T Y AA AC
		-457.662	4.133	-3.440	Q U Z AB AD AE
27	0	-441.796	-4.225	8.678	Q U Y AA AD AE
		-736.134	2.872	-4.235	B D E K M N
27	0.138	-443.822	-4.225	8.096	Q U Y AA AD AE
		-736.134	2.872	-3.839	B D E K M N
27	0.276	-445.848	-4.225	7.513	Q U Y AA AD AE
		-736.134	2.872	-3.443	B D E K M N
27	0.413	-447.874	-4.225	6.931	Q U Y AA AD AE
		-736.134	2.872	-3.048	B D E K M N
27	0.551	-449.900	-4.225	6.349	Q U Y AA AD AE
		-736.134	2.872	-2.652	B D E K M N
27	0.689	-451.926	-4.225	5.767	Q U Y AA AD AE
		-736.134	2.872	-2.256	B D E K M N
27	0.827	-453.952	-4.225	5.185	Q U Y AA AD AE
		-736.134	2.872	-1.861	B D E K M N
27	0.964	-455.978	-4.225	4.603	Q U Y AA AD AE
		-736.134	2.872	-1.465	B D E K M N
27	1.102	-458.004	-4.225	4.021	Q U Y AA AD AE
		-736.134	2.872	-1.069	B D E K M N
27	1.240	-460.030	-4.225	3.438	Q U Y AA AD AE
		-736.134	2.872	-0.673572	B D E K M N
28	0	-736.134	-5.522	11.082	B D E J L N
		-421.194	4.179	-13.747	Q U Z AB AD AE
28	0.138	-736.134	-5.522	10.321	B D E J L N
		-423.220	4.179	-13.172	Q U Z AB AD AE
28	0.276	-736.134	-5.522	9.560	B D E J L N
		-425.246	4.179	-12.596	Q U Z AB AD AE
28	0.413	-736.134	-5.522	8.800	B D E J L N
		-427.272	4.179	-12.020	Q U Z AB AD AE
28	0.551	-736.134	-5.522	8.039	B D E J L N
		-429.298	4.179	-11.444	Q U Z AB AD AE
28	0.689	-736.134	-5.522	7.278	B D E J L N
		-431.324	4.179	-10.868	Q U Z AB AD AE

ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
28	0.827	-736.134	-5.522	6.517	B D E J L N
		-433.350	4.179	-10.293	Q U Z AB AD AE
28	0.964	-736.134	-5.522	5.756	B D E J L N
		-435.376	4.179	-9.717	Q U Z AB AD AE
28	1.102	-736.134	-5.522	4.996	B D E J L N
		-437.402	4.179	-9.141	Q U Z AB AD AE
28	1.240	-736.134	-5.522	4.235	B D E J L N
		-439.428	4.179	-8.565	Q U Z AB AD AE
29	0	-423.561	-4.392	14.123	Q U Y AA AD AE
		-736.134	5.522	-11.082	B D E K M N
29	0.138	-425.587	-4.392	13.518	Q U Y AA AD AE
		-736.134	5.522	-10.321	B D E K M N
29	0.276	-427.613	-4.392	12.913	Q U Y AA AD AE
		-736.134	5.522	-9.560	B D E K M N
29	0.413	-429.639	-4.392	12.308	Q U Y AA AD AE
		-736.134	5.522	-8.800	B D E K M N
29	0.551	-431.665	-4.392	11.703	Q U Y AA AD AE
		-736.134	5.522	-8.039	B D E K M N
29	0.689	-433.691	-4.392	11.098	Q U Y AA AD AE
		-736.134	5.522	-7.278	B D E K M N
29	0.827	-435.717	-4.392	10.493	Q U Y AA AD AE
		-736.134	5.522	-6.517	B D E K M N
29	0.964	-437.743	-4.392	9.888	Q U Y AA AD AE
		-736.134	5.522	-5.756	B D E K M N
29	1.102	-439.769	-4.392	9.283	Q U Y AA AD AE
		-736.134	5.522	-4.996	B D E K M N
29	1.240	-441.796	-4.392	8.678	Q U Y AA AD AE
		-736.134	5.522	-4.235	B D E K M N
30	0	-538.983	-8.335	10.778	Q U X AA AC
		-1251.465	2.989	-6.347	P R S T AB AD AE
30	0.138	-541.009	-8.335	9.629	Q U X AA AC
		-1254.200	2.989	-5.935	P R S T AB AD AE
30	0.276	-543.035	-8.335	8.481	Q U X AA AC
		-1256.935	2.989	-5.523	P R S T AB AD AE
30	0.413	-545.061	-8.335	7.333	Q U X AA AC
		-1259.670	2.989	-5.112	P R S T AB AD AE
30	0.551	-547.087	-8.335	6.184	Q U X AA AC
		-1262.405	2.989	-4.700	P R S T AB AD AE
30	0.689	-549.113	-8.335	5.036	Q U X AA AC
		-1265.141	2.989	-4.288	P R S T AB AD AE
30	0.827	-551.139	-8.335	3.887	Q U X AA AC
		-1267.876	2.989	-3.876	P R S T AB AD AE
30	0.964	-553.165	-8.335	2.739	Q U X AA AC
		-1270.611	2.989	-3.464	P R S T AB AD AE
30	1.102	-555.191	-8.335	1.591	Q U X AA AC
		-1273.346	2.989	-3.052	P R S T AB AD AE
30	1.240	-557.217	-8.335	0.442260	Q U X AA AC
		-1276.081	2.989	-2.640	P R S T AB AD AE

ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
31	0	-1253.833	-3.283	7.087	P R S T AA AD AE
		-541.350	8.042	-10.038	Q U X AB AC
31	0.138	-1256.568	-3.283	6.635	P R S T AA AD AE
		-543.376	8.042	-8.930	Q U X AB AC
31	0.276	-1259.303	-3.283	6.182	P R S T AA AD AE
		-545.402	8.042	-7.822	Q U X AB AC
31	0.413	-1262.038	-3.283	5.730	P R S T AA AD AE
		-547.428	8.042	-6.714	Q U X AB AC
31	0.551	-1264.773	-3.283	5.278	P R S T AA AD AE
		-549.454	8.042	-5.606	Q U X AB AC
31	0.689	-1267.508	-3.283	4.826	P R S T AA AD AE
		-551.480	8.042	-4.498	Q U X AB AC
31	0.827	-1270.243	-3.283	4.373	P R S T AA AD AE
		-553.506	8.042	-3.390	Q U X AB AC
31	0.964	-1272.978	-3.283	3.921	P R S T AA AD AE
		-555.532	8.042	-2.282	Q U X AB AC
31	1.102	-1275.714	-3.283	3.469	P R S T AA AD AE
		-557.558	8.042	-1.174	Q U X AB AC
31	1.240	-1278.449	-3.283	3.016	P R S T AA AD AE
		-559.584	8.042	-0.066393	Q U X AB AC
32	0	-384.725	-23.931	19.337	Q U Z AB AD AE
		-1272.309	6.789	-5.582	P R S T AA AC
32	0.138	-386.751	-23.931	16.040	Q U Z AB AD AE
		-1275.044	6.789	-4.647	P R S T AA AC
32	0.276	-388.777	-23.931	12.743	Q U Z AB AD AE
		-1277.779	6.789	-3.712	P R S T AA AC
32	0.413	-390.803	-23.931	9.445	Q U Z AB AD AE
		-1280.515	6.789	-2.776	P R S T AA AC
32	0.551	-392.829	-23.931	6.148	Q U Z AB AD AE
		-1283.250	6.789	-1.841	P R S T AA AC
32	0.689	-394.855	-23.931	2.851	Q U Z AB AD AE
		-1285.985	6.789	-0.905751	P R S T AA AC
32	0.827	-396.881	-23.931	-0.446228	Q U Z AB AD AE
		-1288.720	6.789	0.029558	P R S T AA AC
32	0.964	-398.907	-23.931	-3.743	Q U Z AB AD AE
		-1291.455	6.789	0.964867	P R S T AA AC
32	1.102	-400.933	-23.931	-7.041	Q U Z AB AD AE
		-1294.190	6.789	1.900	P R S T AA AC
32	1.240	-402.960	-23.931	-10.338	Q U Z AB AD AE
		-1296.925	6.789	2.835	P R S T AA AC
33	0	-1274.677	-6.892	6.451	P R S T AB AC
		-387.093	23.828	-18.469	Q U Y AA AD AE
33	0.138	-1277.412	-6.892	5.501	P R S T AB AC
		-389.119	23.828	-15.186	Q U Y AA AD AE
33	0.276	-1280.147	-6.892	4.551	P R S T AB AC
		-391.145	23.828	-11.903	Q U Y AA AD AE
33	0.413	-1282.882	-6.892	3.602	P R S T AB AC
		-393.171	23.828	-8.620	Q U Y AA AD AE
33	0.551	-1285.617	-6.892	2.652	P R S T AB AC

ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-395.197	23.828	-5.337	Q U Y AA AD AE
33	0.689	-1288.352	-6.892	1.703	P R S T AB AC
		-397.223	23.828	-2.054	Q U Y AA AD AE
33	0.827	-1291.088	-6.892	0.753166	P R S T AB AC
		-399.249	23.828	1.229	Q U Y AA AD AE
33	0.964	-1293.823	-6.892	-0.196393	P R S T AB AC
		-401.275	23.828	4.512	Q U Y AA AD AE
33	1.102	-1296.558	-6.892	-1.146	P R S T AB AC
		-403.301	23.828	7.795	Q U Y AA AD AE
33	1.240	-1299.293	-6.892	-2.096	P R S T AB AC
		-405.327	23.828	11.078	Q U Y AA AD AE
34	0	-366.491	-62.889	97.319	Q U Z AB AD AE
		-1338.256	30.620	-23.875	P R S T Y AA AC
34	0.138	-368.517	-62.889	88.654	Q U Z AB AD AE
		-1340.991	30.620	-19.656	P R S T Y AA AC
34	0.276	-370.543	-62.889	79.990	Q U Z AB AD AE
		-1343.726	30.620	-15.438	P R S T Y AA AC
34	0.413	-372.569	-62.889	71.325	Q U Z AB AD AE
		-1346.461	30.620	-11.219	P R S T Y AA AC
34	0.551	-374.595	-62.889	62.660	Q U Z AB AD AE
		-1349.196	30.620	-7.000	P R S T Y AA AC
34	0.689	-376.621	-62.889	53.996	Q U Z AB AD AE
		-1351.931	30.620	-2.782	P R S T Y AA AC
34	0.827	-378.647	-62.889	45.331	Q U Z AB AD AE
		-1354.667	30.620	1.437	P R S T Y AA AC
34	0.964	-380.673	-62.889	36.666	Q U Z AB AD AE
		-1357.402	30.620	5.656	P R S T Y AA AC
34	1.102	-382.699	-62.889	28.002	Q U Z AB AD AE
		-1360.137	30.620	9.875	P R S T Y AA AC
34	1.240	-384.725	-62.889	19.337	Q U Z AB AD AE
		-1362.872	30.620	14.093	P R S T Y AA AC
35	0	-736.134	-29.933	22.086	B D E K M N
		-368.859	63.661	-97.408	Q U Y AA AD AE
35	0.138	-736.134	-29.933	17.962	B D E K M N
		-370.885	63.661	-88.637	Q U Y AA AD AE
35	0.276	-736.134	-29.933	13.837	B D E K M N
		-372.911	63.661	-79.866	Q U Y AA AD AE
35	0.413	-736.134	-29.933	9.713	B D E K M N
		-374.937	63.661	-71.095	Q U Y AA AD AE
35	0.551	-736.134	-29.933	5.589	B D E K M N
		-376.963	63.661	-62.324	Q U Y AA AD AE
35	0.689	-736.134	-29.933	1.465	B D E K M N
		-378.989	63.661	-53.553	Q U Y AA AD AE
35	0.827	-736.134	-29.933	-2.659	B D E K M N
		-381.015	63.661	-44.782	Q U Y AA AD AE
35	0.964	-736.134	-29.933	-6.783	B D E K M N
		-383.041	63.661	-36.011	Q U Y AA AD AE
35	1.102	-736.134	-29.933	-10.907	B D E K M N
		-385.067	63.661	-27.240	Q U Y AA AD AE

ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
35	1.240	-736.134	-29.933	-15.032	B D E K M N
		-387.093	63.661	-18.469	Q U Y AA AD AE
36	0	-348.257	-103.435	225.578	Q U Z AB AD AE
		-1313.640	81.603	-125.063	P R S T Y AA AC
36	0.138	-350.283	-103.435	211.327	Q U Z AB AD AE
		-1316.375	81.603	-113.820	P R S T Y AA AC
36	0.276	-352.309	-103.435	197.076	Q U Z AB AD AE
		-1319.110	81.603	-102.577	P R S T Y AA AC
36	0.413	-354.335	-103.435	182.825	Q U Z AB AD AE
		-1321.845	81.603	-91.334	P R S T Y AA AC
36	0.551	-356.361	-103.435	168.574	Q U Z AB AD AE
		-1324.580	81.603	-80.091	P R S T Y AA AC
36	0.689	-358.387	-103.435	154.323	Q U Z AB AD AE
		-1327.315	81.603	-68.848	P R S T Y AA AC
36	0.827	-360.413	-103.435	140.072	Q U Z AB AD AE
		-1330.050	81.603	-57.605	P R S T Y AA AC
36	0.964	-362.439	-103.435	125.821	Q U Z AB AD AE
		-1332.785	81.603	-46.361	P R S T Y AA AC
36	1.102	-364.465	-103.435	111.570	Q U Z AB AD AE
		-1335.521	81.603	-35.118	P R S T Y AA AC
36	1.240	-366.491	-103.435	97.319	Q U Z AB AD AE
		-1338.256	81.603	-23.875	P R S T Y AA AC
37	0	-736.134	-81.441	123.073	B D E K M N
		-350.625	106.174	-229.065	Q U Y AA AD AE
37	0.138	-736.134	-81.441	111.852	B D E K M N
		-352.651	106.174	-214.436	Q U Y AA AD AE
37	0.276	-736.134	-81.441	100.631	B D E K M N
		-354.677	106.174	-199.808	Q U Y AA AD AE
37	0.413	-736.134	-81.441	89.410	B D E K M N
		-356.703	106.174	-185.179	Q U Y AA AD AE
37	0.551	-736.134	-81.441	78.190	B D E K M N
		-358.729	106.174	-170.551	Q U Y AA AD AE
37	0.689	-736.134	-81.441	66.969	B D E K M N
		-360.755	106.174	-155.922	Q U Y AA AD AE
37	0.827	-736.134	-81.441	55.748	B D E K M N
		-362.781	106.174	-141.294	Q U Y AA AD AE
37	0.964	-736.134	-81.441	44.527	B D E K M N
		-364.807	106.174	-126.665	Q U Y AA AD AE
37	1.102	-736.134	-81.441	33.307	B D E K M N
		-366.833	106.174	-112.037	Q U Y AA AD AE
37	1.240	-736.134	-81.441	22.086	B D E K M N
		-368.859	106.174	-97.408	Q U Y AA AD AE
38	0	-1062.438	-86.471	290.396	P R S T Z AB AD AE
		-329.953	139.955	-270.271	C F J L N
38	0.138	-1065.173	-86.471	278.482	P R S T Z AB AD AE
		-329.953	139.955	-250.988	C F J L N
38	0.276	-1067.908	-86.471	266.568	P R S T Z AB AD AE
		-329.953	139.955	-231.706	C F J L N

ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
38	0.413	-1070.643	-86.471	254.654	P R S T Z AB AD AE
		-329.953	139.955	-212.423	C F J L N
38	0.551	-1073.378	-86.471	242.740	P R S T Z AB AD AE
		-329.953	139.955	-193.140	C F J L N
38	0.689	-1076.113	-86.471	230.827	P R S T Z AB AD AE
		-329.953	139.955	-173.858	C F J L N
38	0.827	-1078.848	-86.471	218.913	P R S T Z AB AD AE
		-329.953	139.955	-154.575	C F J L N
38	0.964	-1081.583	-86.471	206.999	P R S T Z AB AD AE
		-329.953	139.955	-135.292	C F J L N
38	1.102	-1084.319	-86.471	195.085	P R S T Z AB AD AE
		-329.953	139.955	-116.010	C F J L N
38	1.240	-1087.054	-86.471	183.171	P R S T Z AB AD AE
		-329.953	139.955	-96.727	C F J L N
39	0	-329.953	-139.955	270.271	C F K M N
		-1064.805	91.977	-300.709	P R S T Y AA AD AE
39	0.138	-329.953	-139.955	250.988	C F K M N
		-1067.540	91.977	-288.036	P R S T Y AA AD AE
39	0.276	-329.953	-139.955	231.706	C F K M N
		-1070.275	91.977	-275.364	P R S T Y AA AD AE
39	0.413	-329.953	-139.955	212.423	C F K M N
		-1073.011	91.977	-262.692	P R S T Y AA AD AE
39	0.551	-329.953	-139.955	193.140	C F K M N
		-1075.746	91.977	-250.019	P R S T Y AA AD AE
39	0.689	-329.953	-139.955	173.858	C F K M N
		-1078.481	91.977	-237.347	P R S T Y AA AD AE
39	0.827	-329.953	-139.955	154.575	C F K M N
		-1081.216	91.977	-224.675	P R S T Y AA AD AE
39	0.964	-329.953	-139.955	135.292	C F K M N
		-1083.951	91.977	-212.003	P R S T Y AA AD AE
39	1.102	-329.953	-139.955	116.010	C F K M N
		-1086.686	91.977	-199.330	P R S T Y AA AD AE
39	1.240	-329.953	-139.955	96.727	C F K M N
		-1089.421	91.977	-186.658	P R S T Y AA AD AE
40	0	-1151.114	-80.279	123.269	P R S T AD AE
		-425.081	236.548	-282.166	Q U X AA AB AC
40	0.138	-1153.849	-80.279	112.208	P R S T AD AE
		-427.107	236.548	-249.575	Q U X AA AB AC
40	0.276	-1156.585	-80.279	101.147	P R S T AD AE
		-429.133	236.548	-216.983	Q U X AA AB AC
40	0.413	-1159.320	-80.279	90.086	P R S T AD AE
		-431.160	236.548	-184.392	Q U X AA AB AC
40	0.551	-1162.055	-80.279	79.026	P R S T AD AE
		-433.186	236.548	-151.801	Q U X AA AB AC
40	0.689	-1164.790	-80.279	67.965	P R S T AD AE
		-435.212	236.548	-119.210	Q U X AA AB AC
40	0.827	-1167.525	-80.279	56.904	P R S T AD AE
		-437.238	236.548	-86.619	Q U X AA AB AC
40	0.964	-1170.260	-80.279	45.844	P R S T AD AE

S T A T I K - 3 V.2.33
FHECOR Ingenieros Consultores S.A.
Empotrado 13:44
página 397
28.04.00

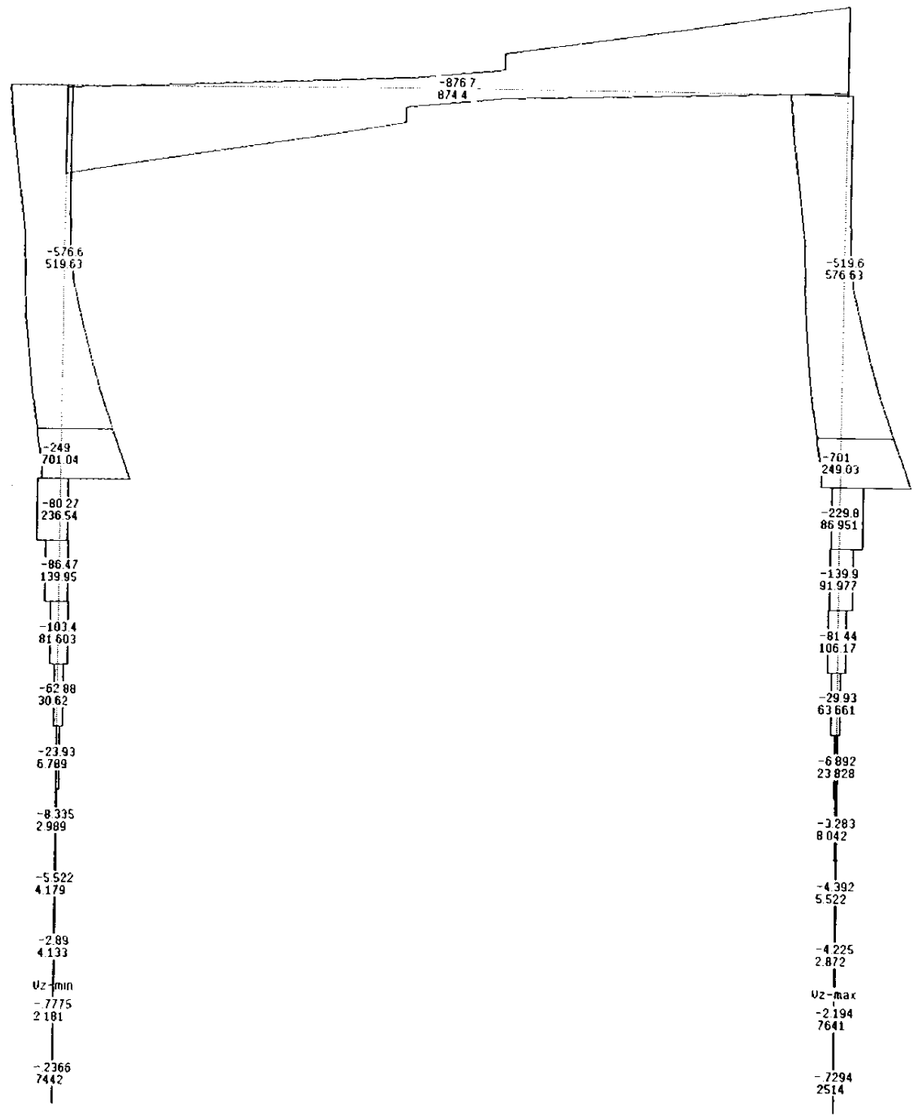
ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
38	0.413	-1070.643	-86.471	254.654	P R S T Z AB AD AE
		-329.953	139.955	-212.423	C F J L N
38	0.551	-1073.378	-86.471	242.740	P R S T Z AB AD AE
		-329.953	139.955	-193.140	C F J L N
38	0.689	-1076.113	-86.471	230.827	P R S T Z AB AD AE
		-329.953	139.955	-173.858	C F J L N
38	0.827	-1078.848	-86.471	218.913	P R S T Z AB AD AE
		-329.953	139.955	-154.575	C F J L N
38	0.964	-1081.583	-86.471	206.999	P R S T Z AB AD AE
		-329.953	139.955	-135.292	C F J L N
38	1.102	-1084.319	-86.471	195.085	P R S T Z AB AD AE
		-329.953	139.955	-116.010	C F J L N
38	1.240	-1087.054	-86.471	183.171	P R S T Z AB AD AE
		-329.953	139.955	-96.727	C F J L N
39	0	-329.953	-139.955	270.271	C F K M N
		-1064.805	91.977	-300.709	P R S T Y AA AD AE
39	0.138	-329.953	-139.955	250.988	C F K M N
		-1067.540	91.977	-288.036	P R S T Y AA AD AE
39	0.276	-329.953	-139.955	231.706	C F K M N
		-1070.275	91.977	-275.364	P R S T Y AA AD AE
39	0.413	-329.953	-139.955	212.423	C F K M N
		-1073.011	91.977	-262.692	P R S T Y AA AD AE
39	0.551	-329.953	-139.955	193.140	C F K M N
		-1075.746	91.977	-250.019	P R S T Y AA AD AE
39	0.689	-329.953	-139.955	173.858	C F K M N
		-1078.481	91.977	-237.347	P R S T Y AA AD AE
39	0.827	-329.953	-139.955	154.575	C F K M N
		-1081.216	91.977	-224.675	P R S T Y AA AD AE
39	0.964	-329.953	-139.955	135.292	C F K M N
		-1083.951	91.977	-212.003	P R S T Y AA AD AE
39	1.102	-329.953	-139.955	116.010	C F K M N
		-1086.686	91.977	-199.330	P R S T Y AA AD AE
39	1.240	-329.953	-139.955	96.727	C F K M N
		-1089.421	91.977	-186.658	P R S T Y AA AD AE
40	0	-1151.114	-80.279	123.269	P R S T AD AE
		-425.081	236.548	-282.166	Q U X AA AB AC
40	0.138	-1153.849	-80.279	112.208	P R S T AD AE
		-427.107	236.548	-249.575	Q U X AA AB AC
40	0.276	-1156.585	-80.279	101.147	P R S T AD AE
		-429.133	236.548	-216.983	Q U X AA AB AC
40	0.413	-1159.320	-80.279	90.086	P R S T AD AE
		-431.160	236.548	-184.392	Q U X AA AB AC
40	0.551	-1162.055	-80.279	79.026	P R S T AD AE
		-433.186	236.548	-151.801	Q U X AA AB AC
40	0.689	-1164.790	-80.279	67.965	P R S T AD AE
		-435.212	236.548	-119.210	Q U X AA AB AC
40	0.827	-1167.525	-80.279	56.904	P R S T AD AE
		-437.238	236.548	-86.619	Q U X AA AB AC
40	0.964	-1170.260	-80.279	45.844	P R S T AD AE

ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-439.264	236.548	-54.028	Q U X AA AB AC
40	1.102	-1172.995	-80.279	34.783	P R S T AD AE
		-441.290	236.548	-21.437	Q U X AA AB AC
40	1.240	-1175.730	-80.279	23.722	P R S T AD AE
		-443.316	236.548	11.154	Q U X AA AB AC
41	0	-427.449	-229.877	263.580	Q U X AA AB AC
		-1153.482	86.951	-141.854	P R S T AD AE
41	0.138	-429.475	-229.877	231.908	Q U X AA AB AC
		-1156.217	86.951	-129.874	P R S T AD AE
41	0.276	-431.501	-229.877	200.236	Q U X AA AB AC
		-1158.952	86.951	-117.895	P R S T AD AE
41	0.413	-433.527	-229.877	168.564	Q U X AA AB AC
		-1161.687	86.951	-105.915	P R S T AD AE
41	0.551	-435.553	-229.877	136.892	Q U X AA AB AC
		-1164.422	86.951	-93.935	P R S T AD AE
41	0.689	-437.579	-229.877	105.220	Q U X AA AB AC
		-1167.158	86.951	-81.955	P R S T AD AE
41	0.827	-439.605	-229.877	73.548	Q U X AA AB AC
		-1169.893	86.951	-69.975	P R S T AD AE
41	0.964	-441.631	-229.877	41.876	Q U X AA AB AC
		-1172.628	86.951	-57.995	P R S T AD AE
41	1.102	-443.657	-229.877	10.204	Q U X AA AB AC
		-1175.363	86.951	-46.015	P R S T AD AE
41	1.240	-445.683	-229.877	-21.468	Q U X AA AB AC
		-1178.098	86.951	-34.035	P R S T AD AE

Escala 1 : 119.0
Section forces envelope Vz, GWSP DS (E.L.U.), View "ALL"
- Struktur: Staebe
- Envelop Shear force Vz-min, Scaling 2.00E-03
  min: -8.77E+02 max: 2.29E+01 [kN]
- Envelop Shear force Vz-max, Scaling 2.00E-03
  min: -2.53E+01 max: 8.74E+02 [kN]
- Text envelopes [kN]



ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
1	0	-1037.821	520.499	-208.899	P R S T Z AB AD AE
		-538.374	22.243	473.434	Q U Y AA AC
1	0.111	-1119.384	-49.818	-171.106	P R S T AB AD AE
		-531.708	11.152	475.287	Q U Y AA AC
1	0.222	-1110.384	-51.485	-176.734	P R S T AB AD AE
		-525.041	0.313617	475.922	Q U Y AA AC
1	0.333	-1101.384	-53.152	-182.547	P R S T AB AD AE
		-518.374	-10.273	475.366	Q U Y AA AC
1	0.444	-1092.384	-54.818	-188.545	P R S T AB AD AE
		-421.145	338.835	491.985	Q U X AA AC
1	0.556	-1106.114	-133.284	-197.316	P R S T AD AE
		-391.748	397.146	531.191	Q U X AA AB AC
1	0.667	-1097.114	-133.284	-212.125	P R S T AD AE
		-385.081	377.232	574.209	Q U X AA AB AC
1	0.778	-1088.114	-133.284	-226.934	P R S T AD AE
		-378.415	357.563	615.029	Q U X AA AB AC
1	0.889	-1079.114	-133.284	-241.744	P R S T AD AE
		-371.748	338.136	653.677	Q U X AA AB AC
1	1.000	-1070.114	-133.284	-256.553	P R S T AD AE
		-365.081	318.952	690.179	Q U X AA AB AC
2	0	-1072.482	133.284	-275.139	P R S T AD AE
		-367.449	-318.952	671.594	Q U X AA AB AC
2	0.111	-1081.482	133.284	-260.329	P R S T AD AE
		-374.116	-338.136	635.091	Q U X AA AB AC
2	0.222	-1090.482	133.284	-245.520	P R S T AD AE
		-380.782	-357.563	596.443	Q U X AA AB AC
2	0.333	-1099.482	133.284	-230.711	P R S T AD AE
		-387.449	-377.232	555.624	Q U X AA AB AC
2	0.444	-1108.482	133.284	-215.901	P R S T AD AE
		-394.116	-397.146	512.605	Q U X AA AB AC
2	0.556	-1094.752	54.818	-207.131	P R S T AA AD AE
		-423.513	-338.835	473.399	Q U X AB AC
2	0.667	-1103.752	53.152	-201.133	P R S T AA AD AE
		-520.742	10.273	456.780	Q U Z AB AC
2	0.778	-1112.752	51.485	-195.319	P R S T AA AD AE
		-329.953	54.753	457.488	C F K M N
2	0.889	-1121.752	49.818	-189.691	P R S T AA AD AE
		-329.953	43.915	462.972	C F K M N
2	1.000	-1040.189	-520.499	-227.484	P R S T Y AA AD AE
		-329.953	32.824	467.237	C F K M N
5	0	-407.790	874.405	-2377.216	P R S T Y AA AC
		-195.412	22.898	1019.519	Q U Z AB AD AE
5	1.744	-376.598	512.723	-1163.133	C D E J L N
		-195.412	-7.630	1032.837	Q U Z AB AD AE
5	3.489	-299.540	233.660	-508.703	C J L N
		-358.729	379.088	1484.356	P R S T U Z AB AD AE
5	5.233	-299.540	185.513	-143.091	C J L N
		-358.729	244.722	2028.457	P R S T U Z AB AD AE
5	6.848	-299.540	140.936	120.532	C J L N

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-149.427	210.882	2376.259	P R S T U AB AD AE
5	6.852	-299.540	140.850	120.974	C J L N
		-149.427	52.990	2376.674	P R S T U AB AD AE
5	6.978	-299.540	137.366	138.531	C J L N
		-149.427	43.269	2382.748	P R S T U AB AD AE
5	8.722	-299.540	-137.366	138.531	C K M N
		-149.427	-45.637	2380.683	P R S T U AA AD AE
5	8.848	-299.540	-140.850	120.974	C K M N
		-149.427	-55.358	2374.310	P R S T U AA AD AE
5	8.852	-299.540	-140.936	120.532	C K M N
		-149.427	-213.250	2373.888	P R S T U AA AD AE
5	10.467	-299.540	-185.513	-143.091	C K M N
		-358.729	-247.090	2022.262	P R S T U Y AA AD AE
5	12.211	-299.540	-233.660	-508.703	C K M N
		-358.729	-381.455	1474.031	P R S T U Y AA AD AE
5	13.956	-376.598	-512.723	-1163.133	C D E K M N
		-195.412	5.262	1018.381	Q U Y AA AD AE
5	15.700	-407.790	-876.773	-2395.801	P R S T Z AB AC
		-195.412	-25.266	1000.933	Q U Y AA AD AE
20	0	-1070.114	-133.284	-256.553	P R S T AD AE
		-365.081	318.952	690.179	Q U X AA AB AC
20	0.767	-1029.499	-133.284	-358.738	P R S T AD AE
		-334.996	193.209	885.768	Q U X AA AB AC
20	1.533	-1013.185	-166.652	-476.636	P R S T AA AD AE
		-192.782	247.887	1066.173	Q U Z AB AC
20	2.300	-975.711	-198.488	-609.536	P R S T AA AC
		-165.023	177.127	1221.286	Q U Z AB AD AE
20	3.067	-1030.370	-399.950	-816.311	P R S T Y AA AC
		-138.427	86.104	1321.452	Q U Z AB AD AE
20	3.833	-996.036	-407.667	-1126.664	P R S T Y AA AC
		-112.995	6.654	1356.270	Q U Z AB AD AE
20	3.943	-991.260	-407.790	-1171.323	P R S T Y AA AC
		-109.457	-3.751	1356.426	Q U Z AB AD AE
20	4.600	-963.273	-407.790	-1439.299	P R S T Y AA AC
		-88.726	-61.222	1334.612	Q U Z AB AD AE
20	5.367	-932.080	-407.790	-1751.938	P R S T Y AA AC
		-65.620	-117.525	1265.353	Q U Z AB AD AE
20	6.133	-902.458	-407.790	-2064.577	P R S T Y AA AC
		-43.678	-162.255	1157.364	Q U Z AB AD AE
20	6.900	-874.405	-407.790	-2377.216	P R S T Y AA AC
		-22.898	-195.412	1019.519	Q U Z AB AD AE
21	0	-876.773	407.790	-2395.801	P R S T Z AB AC
		-25.266	195.412	1000.933	Q U Y AA AD AE
21	0.767	-904.825	407.790	-2083.162	P R S T Z AB AC
		-46.045	162.255	1138.779	Q U Y AA AD AE
21	1.533	-934.448	407.790	-1770.524	P R S T Z AB AC
		-67.988	117.525	1246.767	Q U Y AA AD AE
21	2.300	-965.641	407.790	-1457.885	P R S T Z AB AC
		-91.094	61.222	1316.027	Q U Y AA AD AE

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
21	2.957	-993.627	407.790	-1189.908	P R S T Z AB AC
		-111.825	3.751	1337.841	Q U Y AA AD AE
21	3.067	-998.404	407.667	-1145.250	P R S T Z AB AC
		-115.363	-6.654	1337.684	Q U Y AA AD AE
21	3.833	-1032.737	399.950	-834.896	P R S T Z AB AC
		-140.795	-86.104	1302.866	Q U Y AA AD AE
21	4.600	-978.079	198.488	-628.122	P R S T AB AC
		-167.391	-177.127	1202.700	Q U Y AA AD AE
21	5.367	-1015.553	166.652	-495.221	P R S T AB AD AE
		-195.149	-247.887	1047.588	Q U Y AA AC
21	6.133	-1031.867	133.284	-377.323	P R S T AD AE
		-337.364	-193.209	867.183	Q U X AA AB AC
21	6.900	-1072.482	133.284	-275.139	P R S T AD AE
		-367.449	-318.952	671.594	Q U X AA AB AC
22	0	-589.189	0.744214	-0.922825	Q U X AA AB AC
		-1372.660	-0.236555	0.293328	P R S T AD AE
22	0.138	-591.215	0.744214	-0.820289	Q U X AA AB AC
		-1375.395	-0.236555	0.260736	P R S T AD AE
22	0.276	-593.241	0.744214	-0.717753	Q U X AA AB AC
		-1378.130	-0.236555	0.228144	P R S T AD AE
22	0.413	-595.267	0.744214	-0.615217	Q U X AA AB AC
		-1380.865	-0.236555	0.195552	P R S T AD AE
22	0.551	-597.293	0.744214	-0.512681	Q U X AA AB AC
		-1383.600	-0.236555	0.162960	P R S T AD AE
22	0.689	-599.319	0.744214	-0.410144	Q U X AA AB AC
		-1386.335	-0.236555	0.130368	P R S T AD AE
22	0.827	-601.345	0.744214	-0.307608	Q U X AA AB AC
		-1389.071	-0.236555	0.097776	P R S T AD AE
22	0.964	-603.371	0.744214	-0.205072	Q U X AA AB AC
		-1391.806	-0.236555	0.065184	P R S T AD AE
22	1.102	-605.397	0.744214	-0.102536	Q U X AA AB AC
		-1394.541	-0.236555	0.032592	P R S T AD AE
22	1.240	-607.423	0.744214	-9.23E-09	Q U X AA AB AC
		-1397.276	-0.236555	2.93E-09	P R S T AD AE
23	0	-1375.027	0.251357	-0.311682	P R S T AD AE
		-591.557	-0.729412	0.904471	Q U X AA AB AC
23	0.138	-1377.763	0.251357	-0.277051	P R S T AD AE
		-593.583	-0.729412	0.803974	Q U X AA AB AC
23	0.276	-1380.498	0.251357	-0.242419	P R S T AD AE
		-595.609	-0.729412	0.703477	Q U X AA AB AC
23	0.413	-1383.233	0.251357	-0.207788	P R S T AD AE
		-597.635	-0.729412	0.602981	Q U X AA AB AC
23	0.551	-1385.968	0.251357	-0.173157	P R S T AD AE
		-599.661	-0.729412	0.502484	Q U X AA AB AC
23	0.689	-1388.703	0.251357	-0.138525	P R S T AD AE
		-601.687	-0.729412	0.401987	Q U X AA AB AC
23	0.827	-1391.438	0.251357	-0.103894	P R S T AD AE
		-603.713	-0.729412	0.301490	Q U X AA AB AC
23	0.964	-1394.173	0.251357	-0.069263	P R S T AD AE

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-605.739	-0.729412	0.200994	Q U X AA AB AC
23	1.102	-1396.908	0.251357	-0.034631	P R S T AD AE
		-607.765	-0.729412	0.100497	Q U X AA AB AC
23	1.240	-1399.644	0.251357	-3.12E-09	P R S T AD AE
		-609.791	-0.729412	9.04E-09	Q U X AA AB AC
24	0	-457.662	2.181	-3.440	Q U Z AB AD AE
		-1370.774	-0.615807	0.974232	P R S T AA AC
24	0.138	-459.688	2.181	-3.140	Q U Z AB AD AE
		-1373.509	-0.615807	0.889387	P R S T AA AC
24	0.276	-461.714	2.181	-2.839	Q U Z AB AD AE
		-1376.244	-0.615807	0.804543	P R S T AA AC
24	0.413	-463.740	2.181	-2.539	Q U Z AB AD AE
		-1378.979	-0.615807	0.719698	P R S T AA AC
24	0.551	-465.766	2.181	-2.238	Q U Z AB AD AE
		-1381.714	-0.615807	0.634854	P R S T AA AC
24	0.689	-467.792	2.181	-1.938	Q U Z AB AD AE
		-1384.449	-0.615807	0.550009	P R S T AA AC
24	0.827	-469.818	2.181	-1.637	Q U Z AB AD AE
		-1387.185	-0.615807	0.465165	P R S T AA AC
24	0.964	-471.844	2.015	-1.349	Q U Z AB AC
		-1389.920	-0.450214	0.392384	P R S T AA AD AE
24	1.102	-587.163	1.266	-1.097	Q U X AA AB AC
		-1369.925	-0.302563	0.335014	P R S T AD AE
24	1.240	-589.189	1.266	-0.922825	Q U X AA AB AC
		-1372.660	-0.302563	0.293328	P R S T AD AE
25	0	-1373.141	0.602400	-0.975961	P R S T AB AC
		-460.030	-2.194	3.438	Q U Y AA AD AE
25	0.138	-1375.877	0.602400	-0.892963	P R S T AB AC
		-462.056	-2.194	3.136	Q U Y AA AD AE
25	0.276	-1378.612	0.602400	-0.809966	P R S T AB AC
		-464.082	-2.194	2.834	Q U Y AA AD AE
25	0.413	-1381.347	0.602400	-0.726969	P R S T AB AC
		-466.108	-2.194	2.531	Q U Y AA AD AE
25	0.551	-1384.082	0.602400	-0.643972	P R S T AB AC
		-468.134	-2.194	2.229	Q U Y AA AD AE
25	0.689	-1386.817	0.602400	-0.560974	P R S T AB AC
		-470.160	-2.194	1.927	Q U Y AA AD AE
25	0.827	-1389.552	0.602400	-0.477977	P R S T AB AC
		-472.186	-2.194	1.625	Q U Y AA AD AE
25	0.964	-1392.287	0.436806	-0.407044	P R S T AB AD AE
		-474.212	-2.029	1.334	Q U Y AA AC
25	1.102	-1372.292	0.289156	-0.351521	P R S T AD AE
		-589.531	-1.280	1.081	Q U X AA AB AC
25	1.240	-1375.027	0.289156	-0.311682	P R S T AD AE
		-591.557	-1.280	0.904471	Q U X AA AB AC
26	0	-439.428	4.133	-8.565	Q U Z AB AD AE
		-1436.720	-2.890	4.324	P R S T Y AA AC
26	0.138	-441.454	4.133	-7.996	Q U Z AB AD AE

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-1439.456	-2.890	3.925	P R S T Y AA AC
26	0.276	-443.480	4.133	-7.426	Q U Z AB AD AE
		-1442.191	-2.890	3.527	P R S T Y AA AC
26	0.413	-445.506	4.133	-6.857	Q U Z AB AD AE
		-1444.926	-2.890	3.129	P R S T Y AA AC
26	0.551	-447.532	4.133	-6.287	Q U Z AB AD AE
		-1447.661	-2.890	2.731	P R S T Y AA AC
26	0.689	-449.558	4.133	-5.718	Q U Z AB AD AE
		-1450.396	-2.890	2.333	P R S T Y AA AC
26	0.827	-451.584	4.133	-5.149	Q U Z AB AD AE
		-1453.131	-2.890	1.935	P R S T Y AA AC
26	0.964	-453.610	4.133	-4.579	Q U Z AB AD AE
		-1455.866	-2.890	1.536	P R S T Y AA AC
26	1.102	-455.636	4.133	-4.010	Q U Z AB AD AE
		-1458.601	-2.890	1.138	P R S T Y AA AC
26	1.240	-457.662	4.133	-3.440	Q U Z AB AD AE
		-1370.774	-1.159	0.974232	P R S T AA AC
27	0	-736.134	2.872	-4.235	B D E K M N
		-441.796	-4.225	8.678	Q U Y AA AD AE
27	0.138	-736.134	2.872	-3.839	B D E K M N
		-443.822	-4.225	8.096	Q U Y AA AD AE
27	0.276	-736.134	2.872	-3.443	B D E K M N
		-445.848	-4.225	7.513	Q U Y AA AD AE
27	0.413	-1447.293	2.798	-3.055	P R S T Z AB AC
		-447.874	-4.225	6.931	Q U Y AA AD AE
27	0.551	-1450.029	2.798	-2.669	P R S T Z AB AC
		-449.900	-4.225	6.349	Q U Y AA AD AE
27	0.689	-1452.764	2.798	-2.284	P R S T Z AB AC
		-451.926	-4.225	5.767	Q U Y AA AD AE
27	0.827	-1455.499	2.798	-1.898	P R S T Z AB AC
		-453.952	-4.225	5.185	Q U Y AA AD AE
27	0.964	-1458.234	2.798	-1.513	P R S T Z AB AC
		-455.978	-4.225	4.603	Q U Y AA AD AE
27	1.102	-1460.969	2.798	-1.127	P R S T Z AB AC
		-458.004	-4.225	4.021	Q U Y AA AD AE
27	1.240	-1373.141	1.067	-0.975961	P R S T AB AC
		-460.030	-4.225	3.438	Q U Y AA AD AE
28	0	-421.194	4.179	-13.747	Q U Z AB AD AE
		-1412.104	-5.461	11.096	P R S T Y AA AC
28	0.138	-423.220	4.179	-13.172	Q U Z AB AD AE
		-1414.839	-5.461	10.343	P R S T Y AA AC
28	0.276	-425.246	4.179	-12.596	Q U Z AB AD AE
		-1417.575	-5.461	9.591	P R S T Y AA AC
28	0.413	-427.272	4.179	-12.020	Q U Z AB AD AE
		-1420.310	-5.461	8.838	P R S T Y AA AC
28	0.551	-429.298	4.179	-11.444	Q U Z AB AD AE
		-1423.045	-5.461	8.086	P R S T Y AA AC
28	0.689	-431.324	4.179	-10.868	Q U Z AB AD AE
		-1425.780	-5.461	7.333	P R S T Y AA AC

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
28	0.827	-433.350	4.179	-10.293	Q U Z AB AD AE
		-1428.515	-5.461	6.581	P R S T Y AA AC
28	0.964	-435.376	4.179	-9.717	Q U Z AB AD AE
		-1431.250	-5.461	5.829	P R S T Y AA AC
28	1.102	-437.402	4.179	-9.141	Q U Z AB AD AE
		-1433.985	-5.461	5.076	P R S T Y AA AC
28	1.240	-439.428	4.179	-8.565	Q U Z AB AD AE
		-1436.720	-5.461	4.324	P R S T Y AA AC
29	0	-736.134	5.522	-11.082	B D E K M N
		-423.561	-4.392	14.123	Q U Y AA AD AE
29	0.138	-736.134	5.522	-10.321	B D E K M N
		-425.587	-4.392	13.518	Q U Y AA AD AE
29	0.276	-736.134	5.522	-9.560	B D E K M N
		-427.613	-4.392	12.913	Q U Y AA AD AE
29	0.413	-736.134	5.522	-8.800	B D E K M N
		-429.639	-4.392	12.308	Q U Y AA AD AE
29	0.551	-736.134	5.522	-8.039	B D E K M N
		-431.665	-4.392	11.703	Q U Y AA AD AE
29	0.689	-736.134	5.522	-7.278	B D E K M N
		-433.691	-4.392	11.098	Q U Y AA AD AE
29	0.827	-736.134	5.522	-6.517	B D E K M N
		-435.717	-4.392	10.493	Q U Y AA AD AE
29	0.964	-736.134	5.522	-5.756	B D E K M N
		-437.743	-4.392	9.888	Q U Y AA AD AE
29	1.102	-736.134	5.522	-4.996	B D E K M N
		-439.769	-4.392	9.283	Q U Y AA AD AE
29	1.240	-736.134	5.522	-4.235	B D E K M N
		-441.796	-4.392	8.678	Q U Y AA AD AE
30	0	-1160.902	-0.720267	-11.005	P R S T Z AB AD AE
		-329.953	-7.128	18.772	C F J L N
30	0.138	-1163.637	-0.720267	-11.104	P R S T Z AB AD AE
		-329.953	-7.128	17.790	C F J L N
30	0.276	-1166.372	-0.720267	-11.204	P R S T Z AB AD AE
		-329.953	-7.128	16.808	C F J L N
30	0.413	-409.038	-2.750	-11.474	Q U Z AB AD AE
		-736.134	-5.868	15.932	B D E J L N
30	0.551	-411.064	-2.750	-11.853	Q U Z AB AD AE
		-736.134	-5.868	15.124	B D E J L N
30	0.689	-413.090	-2.750	-12.232	Q U Z AB AD AE
		-736.134	-5.868	14.316	B D E J L N
30	0.827	-415.116	-2.750	-12.611	Q U Z AB AD AE
		-736.134	-5.868	13.507	B D E J L N
30	0.964	-417.142	-2.750	-12.990	Q U Z AB AD AE
		-736.134	-5.868	12.699	B D E J L N
30	1.102	-419.168	-2.750	-13.369	Q U Z AB AD AE
		-736.134	-5.868	11.890	B D E J L N
30	1.240	-421.194	-2.750	-13.747	Q U Z AB AD AE
		-1412.104	-5.622	11.096	P R S T Y AA AC

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
31	0	-329.953	7.128	-18.772	C F K M N
		-1163.270	0.426633	11.745	P R S T Y AA AD AE
31	0.138	-329.953	7.128	-17.790	C F K M N
		-1166.005	0.426633	11.804	P R S T Y AA AD AE
31	0.276	-329.953	7.128	-16.808	C F K M N
		-1168.740	0.426633	11.863	P R S T Y AA AD AE
31	0.413	-736.134	5.868	-15.932	B D E K M N
		-411.405	2.456	12.093	Q U Y AA AD AE
31	0.551	-736.134	5.868	-15.124	B D E K M N
		-413.431	2.456	12.431	Q U Y AA AD AE
31	0.689	-736.134	5.868	-14.316	B D E K M N
		-415.457	2.456	12.770	Q U Y AA AD AE
31	0.827	-736.134	5.868	-13.507	B D E K M N
		-417.483	2.456	13.108	Q U Y AA AD AE
31	0.964	-736.134	5.868	-12.699	B D E K M N
		-419.509	2.456	13.446	Q U Y AA AD AE
31	1.102	-736.134	5.868	-11.890	B D E K M N
		-421.535	2.456	13.785	Q U Y AA AD AE
31	1.240	-736.134	5.868	-11.082	B D E K M N
		-423.561	2.456	14.123	Q U Y AA AD AE
32	0	-1249.579	5.414	-10.933	P R S T AD AE
		-498.018	-19.321	32.608	Q U X AA AB AC
32	0.138	-1252.314	5.414	-10.187	P R S T AD AE
		-500.044	-19.321	29.946	Q U X AA AB AC
32	0.276	-1255.049	5.414	-9.441	P R S T AD AE
		-502.070	-19.321	27.284	Q U X AA AB AC
32	0.413	-1257.784	5.414	-8.695	P R S T AD AE
		-504.096	-19.321	24.622	Q U X AA AB AC
32	0.551	-1237.789	2.630	-8.159	P R S T AB AD AE
		-528.853	-16.537	22.170	Q U X AA AC
32	0.689	-1240.524	2.630	-7.797	P R S T AB AD AE
		-621.441	-3.424	20.621	Q U Y AA AC
32	0.827	-1243.260	2.630	-7.434	P R S T AB AD AE
		-623.467	-3.424	20.150	Q U Y AA AC
32	0.964	-1245.995	2.630	-7.072	P R S T AB AD AE
		-625.493	-3.424	19.678	Q U Y AA AC
32	1.102	-1158.167	-17.303	-8.621	P R S T Z AB AD AE
		-627.519	-3.424	19.206	Q U Y AA AC
32	1.240	-1160.902	-17.303	-11.005	P R S T Z AB AD AE
		-329.953	-1.436	18.772	C F J L N
33	0	-500.386	19.218	-31.740	Q U X AA AB AC
		-1251.947	-5.518	11.802	P R S T AD AE
33	0.138	-502.412	19.218	-29.092	Q U X AA AB AC
		-1254.682	-5.518	11.041	P R S T AD AE
33	0.276	-504.438	19.218	-26.445	Q U X AA AB AC
		-1257.417	-5.518	10.281	P R S T AD AE
33	0.413	-506.464	19.218	-23.797	Q U X AA AB AC
		-1260.152	-5.518	9.521	P R S T AD AE
33	0.551	-531.220	16.433	-21.359	Q U X AB AC

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-1240.157	-2.734	8.970	P R S T AA AD AE
33	0.689	-623.809	3.320	-19.824	Q U Z AB AC
		-1242.892	-2.734	8.594	P R S T AA AD AE
33	0.827	-625.835	3.320	-19.367	Q U Z AB AC
		-1245.627	-2.734	8.217	P R S T AA AD AE
33	0.964	-329.953	1.436	-19.168	C F K M N
		-1248.362	-2.734	7.840	P R S T AA AD AE
33	1.102	-329.953	1.436	-18.970	C F K M N
		-1160.535	17.199	9.375	P R S T Y AA AD AE
33	1.240	-329.953	1.436	-18.772	C F K M N
		-1163.270	17.199	11.745	P R S T Y AA AD AE
34	0	-1247.693	17.710	-27.543	P R S T AA AC
		-366.491	-62.889	97.319	Q U Z AB AD AE
34	0.138	-1250.428	17.710	-25.103	P R S T AA AC
		-368.517	-62.889	88.654	Q U Z AB AD AE
34	0.276	-1253.163	17.710	-22.663	P R S T AA AC
		-370.543	-62.889	79.990	Q U Z AB AD AE
34	0.413	-1255.898	17.710	-20.223	P R S T AA AC
		-372.569	-62.889	71.325	Q U Z AB AD AE
34	0.551	-1258.633	17.710	-17.783	P R S T AA AC
		-374.595	-62.889	62.660	Q U Z AB AD AE
34	0.689	-1261.369	17.710	-15.343	P R S T AA AC
		-376.621	-62.889	53.996	Q U Z AB AD AE
34	0.827	-1264.104	11.021	-13.569	P R S T AA AD AE
		-378.647	-56.199	45.998	Q U Z AB AC
34	0.964	-1244.109	5.502	-12.449	P R S T AD AE
		-493.966	-28.158	40.367	Q U X AA AB AC
34	1.102	-1246.844	5.502	-11.691	P R S T AD AE
		-495.992	-28.158	36.488	Q U X AA AB AC
34	1.240	-1249.579	5.502	-10.933	P R S T AD AE
		-498.018	-28.158	32.608	Q U X AA AB AC
35	0	-368.859	63.661	-97.408	Q U Y AA AD AE
		-1250.061	-16.938	27.454	P R S T AB AC
35	0.138	-370.885	63.661	-88.637	Q U Y AA AD AE
		-1252.796	-16.938	25.120	P R S T AB AC
35	0.276	-372.911	63.661	-79.866	Q U Y AA AD AE
		-1255.531	-16.938	22.786	P R S T AB AC
35	0.413	-374.937	63.661	-71.095	Q U Y AA AD AE
		-1258.266	-16.938	20.453	P R S T AB AC
35	0.551	-376.963	63.661	-62.324	Q U Y AA AD AE
		-1261.001	-16.938	18.119	P R S T AB AC
35	0.689	-378.989	63.661	-53.553	Q U Y AA AD AE
		-1263.736	-16.938	15.785	P R S T AB AC
35	0.827	-381.015	56.971	-45.449	Q U Y AA AC
		-1266.471	-10.249	14.118	P R S T AB AD AE
35	0.964	-496.334	28.930	-39.712	Q U X AA AB AC
		-1246.476	-4.730	13.105	P R S T AD AE
35	1.102	-498.360	28.930	-35.726	Q U X AA AB AC
		-1249.211	-4.730	12.453	P R S T AD AE

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
35	1.240	-500.386	28.930	-31.740	Q U X AA AB AC
		-1251.947	-4.730	11.802	P R S T AD AE
36	0	-1313.640	81.603	-125.063	P R S T Y AA AC
		-348.257	-103.435	225.578	Q U Z AB AD AE
36	0.138	-1316.375	81.603	-113.820	P R S T Y AA AC
		-350.283	-103.435	211.327	Q U Z AB AD AE
36	0.276	-1319.110	81.603	-102.577	P R S T Y AA AC
		-352.309	-103.435	197.076	Q U Z AB AD AE
36	0.413	-1321.845	81.603	-91.334	P R S T Y AA AC
		-354.335	-103.435	182.825	Q U Z AB AD AE
36	0.551	-1324.580	81.603	-80.091	P R S T Y AA AC
		-356.361	-103.435	168.574	Q U Z AB AD AE
36	0.689	-1327.315	81.603	-68.848	P R S T Y AA AC
		-358.387	-103.435	154.323	Q U Z AB AD AE
36	0.827	-1330.050	81.603	-57.605	P R S T Y AA AC
		-360.413	-103.435	140.072	Q U Z AB AD AE
36	0.964	-1332.785	81.603	-46.361	P R S T Y AA AC
		-362.439	-103.435	125.821	Q U Z AB AD AE
36	1.102	-1335.521	81.603	-35.118	P R S T Y AA AC
		-364.465	-103.435	111.570	Q U Z AB AD AE
36	1.240	-1247.693	28.947	-27.543	P R S T AA AC
		-366.491	-103.435	97.319	Q U Z AB AD AE
37	0	-350.625	106.174	-229.065	Q U Y AA AD AE
		-736.134	-81.441	123.073	B D E K M N
37	0.138	-352.651	106.174	-214.436	Q U Y AA AD AE
		-736.134	-81.441	111.852	B D E K M N
37	0.276	-354.677	106.174	-199.808	Q U Y AA AD AE
		-736.134	-81.441	100.631	B D E K M N
37	0.413	-356.703	106.174	-185.179	Q U Y AA AD AE
		-736.134	-81.441	89.410	B D E K M N
37	0.551	-358.729	106.174	-170.551	Q U Y AA AD AE
		-736.134	-81.441	78.190	B D E K M N
37	0.689	-360.755	106.174	-155.922	Q U Y AA AD AE
		-1329.683	-78.864	67.249	P R S T Z AB AC
37	0.827	-362.781	106.174	-141.294	Q U Y AA AD AE
		-1332.418	-78.864	56.383	P R S T Z AB AC
37	0.964	-364.807	106.174	-126.665	Q U Y AA AD AE
		-1335.153	-78.864	45.517	P R S T Z AB AC
37	1.102	-366.833	106.174	-112.037	Q U Y AA AD AE
		-1337.888	-78.864	34.652	P R S T Z AB AC
37	1.240	-368.859	106.174	-97.408	Q U Y AA AD AE
		-1250.061	-26.208	27.454	P R S T AB AC
38	0	-736.134	137.861	-294.020	B D E J L N
		-330.023	-83.101	328.623	Q U Z AB AD AE
38	0.138	-736.134	137.861	-275.026	B D E J L N
		-332.049	-83.101	317.174	Q U Z AB AD AE
38	0.276	-1294.494	135.818	-256.052	P R S T Y AA AC
		-334.075	-83.101	305.724	Q U Z AB AD AE

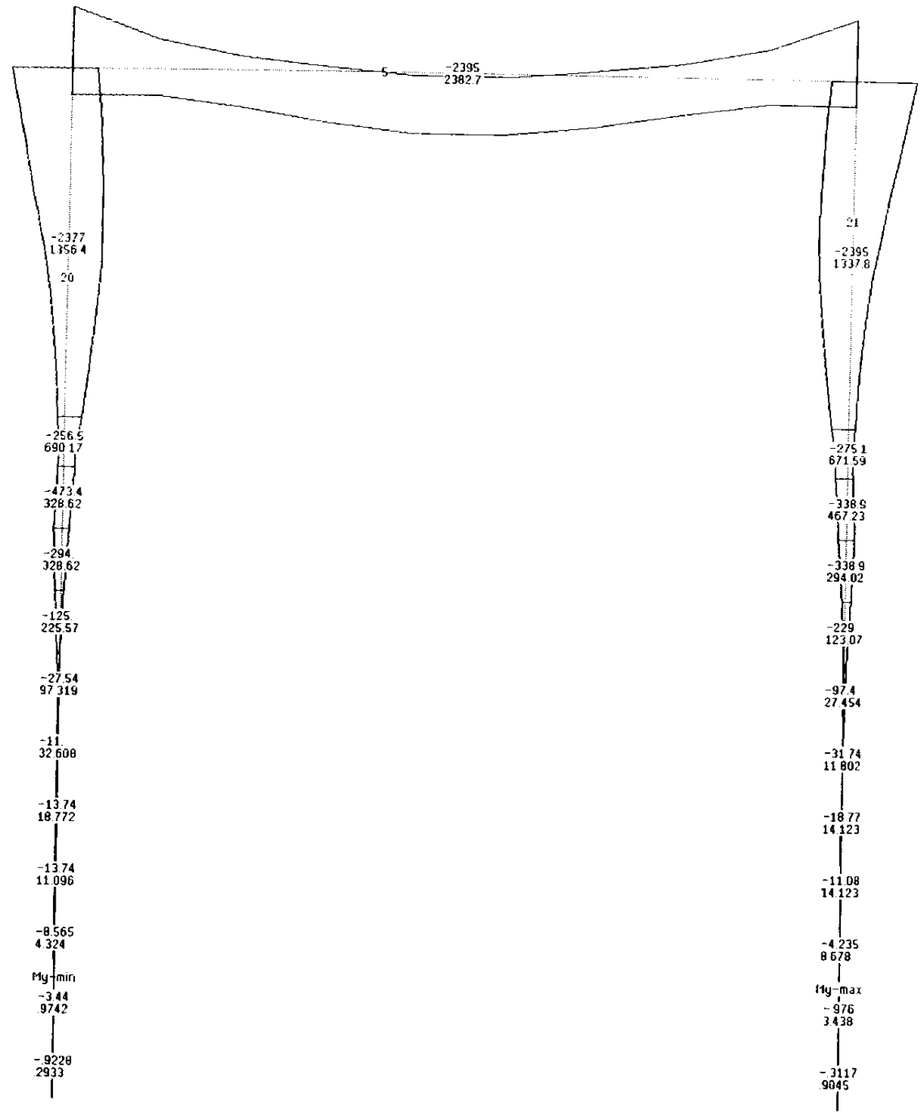
ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
38	0.413	-1297.229	135.818	-237.340	P R S T Y AA AC
		-336.101	-83.101	294.275	Q U Z AB AD AE
38	0.551	-1299.964	135.818	-218.627	P R S T Y AA AC
		-338.127	-83.101	282.825	Q U Z AB AD AE
38	0.689	-1302.699	135.818	-199.914	P R S T Y AA AC
		-340.153	-83.101	271.376	Q U Z AB AD AE
38	0.827	-1305.434	135.818	-181.202	P R S T Y AA AC
		-342.179	-83.101	259.927	Q U Z AB AD AE
38	0.964	-1308.169	135.818	-162.489	P R S T Y AA AC
		-344.205	-83.101	248.477	Q U Z AB AD AE
38	1.102	-1310.904	135.818	-143.776	P R S T Y AA AC
		-346.231	-83.101	237.028	Q U Z AB AD AE
38	1.240	-1313.640	135.818	-125.063	P R S T Y AA AC
		-348.257	-83.101	225.578	Q U Z AB AD AE
39	0	-332.390	88.606	-338.936	Q U Y AA AD AE
		-736.134	-137.861	294.020	B D E K M N
39	0.138	-334.416	88.606	-326.728	Q U Y AA AD AE
		-736.134	-137.861	275.026	B D E K M N
39	0.276	-336.442	88.606	-314.520	Q U Y AA AD AE
		-736.134	-137.861	256.031	B D E K M N
39	0.413	-338.468	88.606	-302.312	Q U Y AA AD AE
		-736.134	-137.861	237.037	B D E K M N
39	0.551	-340.494	88.606	-290.104	Q U Y AA AD AE
		-736.134	-137.861	218.043	B D E K M N
39	0.689	-342.520	88.606	-277.896	Q U Y AA AD AE
		-736.134	-137.861	199.049	B D E K M N
39	0.827	-344.546	88.606	-265.689	Q U Y AA AD AE
		-736.134	-137.861	180.055	B D E K M N
39	0.964	-346.572	88.606	-253.481	Q U Y AA AD AE
		-736.134	-137.861	161.061	B D E K M N
39	1.102	-348.598	88.606	-241.273	Q U Y AA AD AE
		-736.134	-137.861	142.067	B D E K M N
39	1.240	-350.625	88.606	-229.065	Q U Y AA AD AE
		-736.134	-137.861	123.073	B D E K M N
40	0	-538.374	175.955	-473.434	Q U Y AA AC
		-1037.821	65.723	208.899	P R S T Z AB AD AE
40	0.138	-540.400	175.955	-449.191	Q U Y AA AC
		-1040.556	65.723	217.954	P R S T Z AB AD AE
40	0.276	-542.426	175.955	-424.949	Q U Y AA AC
		-1043.292	65.723	227.009	P R S T Z AB AD AE
40	0.413	-329.953	158.844	-401.582	C F J L N
		-1046.027	65.723	236.064	P R S T Z AB AD AE
40	0.551	-329.953	158.844	-379.697	C F J L N
		-1048.762	65.723	245.120	P R S T Z AB AD AE
40	0.689	-736.134	119.563	-359.912	B D E J L N
		-321.919	128.951	257.557	Q U Z AB AD AE
40	0.827	-736.134	119.563	-343.439	B D E J L N
		-323.945	128.951	275.323	Q U Z AB AD AE
40	0.964	-736.134	119.563	-326.966	B D E J L N

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-325.971	128.951	293.090	Q U Z AB AD AE
40	1.102	-736.134	119.563	-310.493	B D E J L N
		-327.997	128.951	310.856	Q U Z AB AD AE
40	1.240	-736.134	119.563	-294.020	B D E J L N
		-330.023	128.951	328.623	Q U Z AB AD AE
41	0	-1040.189	-59.052	-227.484	P R S T Y AA AD AE
		-329.953	-158.844	467.237	C F K M N
41	0.138	-1042.924	-59.052	-235.620	P R S T Y AA AD AE
		-329.953	-158.844	445.352	C F K M N
41	0.276	-1045.659	-59.052	-243.756	P R S T Y AA AD AE
		-329.953	-158.844	423.467	C F K M N
41	0.413	-1048.394	-59.052	-251.892	P R S T Y AA AD AE
		-329.953	-158.844	401.582	C F K M N
41	0.551	-1051.129	-59.052	-260.029	P R S T Y AA AD AE
		-329.953	-158.844	379.697	C F K M N
41	0.689	-324.286	-122.280	-271.546	Q U Y AA AD AE
		-736.134	-119.563	359.912	B D E K M N
41	0.827	-326.312	-122.280	-288.394	Q U Y AA AD AE
		-736.134	-119.563	343.439	B D E K M N
41	0.964	-328.338	-122.280	-305.241	Q U Y AA AD AE
		-736.134	-119.563	326.966	B D E K M N
41	1.102	-330.364	-122.280	-322.089	Q U Y AA AD AE
		-736.134	-119.563	310.493	B D E K M N
41	1.240	-332.390	-122.280	-338.936	Q U Y AA AD AE
		-736.134	-119.563	294.020	B D E K M N

Escala 1 : 117.9
Section forces envelope My, GWSP DS (E.L.U.), View "ALL"
- Struktur: Staebe
- Envelop Moment My-min, Scaling 5.00E-04
  min: -2.40E+03 max: 1.39E+02 [kNm]
- Envelop Moment My-max, Scaling 5.00E-04
  min: 2.93E-09 max: 2.38E+03 [kNm]
- Text envelopes [kNm]



6.7 Viga pretensada prefabricada en obra

OBRA: OC-04-00 : ACCESOS A ZARAGOZA
FALSO TÚNEL EN PASEO DEL TENOR FLETA

fck, viga [MPa] =	*45*				
fck, losa [MPa] =	*25*				
Canto Viga [m] =	*0.6*				
Area viga[m2] =	*0.357*	perd,inst =	*0.93*	Ec, viga [MPa] =	31928
Iy, viga [m4] =	*1.12E-02*	perdi_dif =	*0.85*	Ec,losa [MPa] =	27264
y,cdg, viga [m] =	*0.3*			n =	0.85
Wsup [m3] =	0.0373				
W inf [m3] =	0.0373				
Ancho losa [m] =	*2*				
espesor Losa [m]=	*0.2*				
Area V+L [m2] =	0.767				
B V+L [m3] =	0.123				
y_inf =	0.639				
y_sup =	-0.161				
fibra,sup,viga =	-0.039				
Iy V+L [m4] =	0.055				
sigma_0 [MPa] =	*1425*				
Luz, viga =	*15.7*				

	Capa 1		Capa 2		Capa 3		Capa 4		Pretensado		pp, viga	pp, losa	Env. Servicio							
														gamma p =	1.1		gamma p =	1.1	gamma p =	0.9
Sección	Area	y	Area	y	Area	y	Area	y	N,p,0	M,p,0	My	My	My	Vacio			ELS a t=0		ELS a t=inf	
x [m]									[kN]	[kNm]	[kNm]	[kNm]	[kNm]	s_inf [MPa]	s_sup [MPa]		s_inf [MPa]	s_sup [MPa]	s_inf [MPa]	s_sup [MPa]
0	33.6	0.3	0	0.098	0	0.146	0	0.75	-4452.84	0.00	0.00	0.00	**-1140.17**	-13.7	-13.7		-27.1	-27.9	-22.9	-10.4
0	33.6	0.3	0	0.098	0	0.146	0	0.75	-4452.84	0.00	0.00	0.00	**128.89**	-13.7	-13.7		-12.2	-12.1	-8.0	-9.4
1.744	33.6	0.242	0	0.098	0	0.146	0	0.75	-4452.84	-258.26	108.61	121.70	**-681.754**	-18.1	-9.0		-22.8	-26.5	-16.6	-10.9
1.744	33.6	0.242	0	0.098	0	0.146	0	0.75	-4452.84	-258.26	108.61	121.70	**346.311**	-18.4	-9.0		-11.1	-14.1	-4.6	-10.2
3.489	33.6	0.197	0	0.098	0	0.146	0	0.75	-4452.84	-458.64	190.12	213.02	**-242.97**	-22.1	-5.3		-19.3	-25.2	-11.0	-11.1
3.489	33.6	0.197	0	0.098	0	0.146	0	0.75	-4452.84	-458.64	190.12	213.02	**539.65**	-22.1	-5.3		-10.1	-15.4	-1.8	-10.6
5.233	33.6	0.167	0	0.098	0	0.146	0	0.75	-4452.84	-592.23	244.43	273.87	**43.54**	-24.6	-2.8		-16.8	-24.1	-7.3	-11.3
5.233	33.6	0.167	0	0.098	0	0.146	0	0.75	-4452.84	-592.23	244.43	273.87	**705.107**	-24.6	-2.8		-9.0	-15.9	0.4	-10.8
6.978	33.6	0.152	0	0.098	0	0.146	0	0.75	-4452.84	-659.02	271.60	304.31	**246.072**	-25.9	-1.6		-14.8	-22.8	-4.7	-11.3
6.978	33.6	0.152	0	0.098	0	0.146	0	0.75	-4452.84	-659.02	271.60	304.31	**810.838**	-25.9	-1.6		-8.2	-15.8	1.9	-10.9
7.85	33.6	0.15	0	0.098	0	0.146	0	0.75	-4452.84	-667.93	274.99	308.11	**810.83**	-26.0	-1.4		-8.3	-16.0	1.9	-10.9
7.85	33.6	0.15	0	0.098	0	0.146	0	0.75	-4452.84	-667.93	274.99	308.11	**810.83**	-26.0	-1.4		-8.3	-16.0	1.9	-10.9
8.722	33.6	0.152	0	0.098	0	0.146	0	0.75	-4452.84	-659.02	271.60	304.31	**246.072**	-25.9	-1.6		-14.8	-22.8	-4.7	-11.3
8.722	33.6	0.152	0	0.098	0	0.146	0	0.75	-4452.84	-659.02	271.60	304.31	**810.838**	-25.9	-1.6		-8.2	-15.8	1.9	-10.9
10.467	33.6	0.167	0	0.098	0	0.146	0	0.75	-4452.84	-592.23	244.43	273.87	**43.54**	-24.6	-2.8		-16.8	-24.1	-7.3	-11.3
10.467	33.6	0.167	0	0.098	0	0.146	0	0.75	-4452.84	-592.23	244.43	273.87	**705.107**	-24.6	-2.8		-9.0	-15.9	0.4	-10.8
12.211	33.6	0.197	0	0.098	0	0.146	0	0.75	-4452.84	-458.64	190.12	213.02	**-242.972**	-22.1	-5.3		-19.3	-25.2	-11.0	-11.1
12.211	33.6	0.197	0	0.098	0	0.146	0	0.75	-4452.84	-458.64	190.12	213.02	**539.65**	-22.1	-5.3		-10.1	-15.4	-1.8	-10.6
13.956	33.6	0.242	0	0.098	0	0.146	0	0.75	-4452.84	-258.26	108.61	121.70	**-681.75**	-18.4	-9.0		-23.1	-26.9	-16.6	-10.9
13.956	33.6	0.242	0	0.098	0	0.146	0	0.75	-4452.84	-258.26	108.61	121.70	**346.311**	-18.4	-9.0		-11.1	-14.1	-4.6	-10.2
15.7	33.6	0.3	0	0.098	0	0.146	0	0.75	-4452.84	0.00	0.00	0.00	**-1276.61**	-13.7	-13.7		-28.6	-29.6	-24.5	-10.5
15.7	33.6	0.3	0	0.098	0	0.146	0	0.75	-4452.84	0.00	0.00	0.00	**128.89**	-13.7	-13.7		-12.2	-12.1	-8.0	-9.4

6.8 Muros de la boquilla del falso túnel

Cálculo de muros
Fhecor Ingenieros Consultores

1. Datos

a) Geometría

Altura [m] =	**3.500**	Long. Zapata [m] =	3.650
Canto sup [m] =	**0.400**	Canto inferior [m] =	0.400
L puntera [m] =	**0.750**		
L talón [m] =	**2.500**		
Pendiente 1H:V =	**1.000E+10**		
Canto zapata [m] =	**0.800**		

b) Terreno

			Ka,h	Ka,v	
Densidad [t/m3] =	**2.000**	Ka (coef. Empuje) =	0.511	0.090	
beta [º] =	**26.500**		0.463		
alfa [º] =	0.000		0.000		alfa negativo si aumenta el canto
phi [º] =	**30.000**		0.524		
delta [º] =	10.000		0.175		
sc [t/m2] =	**0.000**				
rozamiento horm-tierras =	**0.500**				

c) Seguridad

gamma f =	**1.500**
fyd [t/cm2] =	**4.200**
fcd [t/m2] =	**1667**

2. Resultados

a) Características zapata

Area [m2] =	3.650
Módulo resistente [m3] =	2.220

b) Comprobación tensiones en zapata

Carga	V [t/m]	exc [m]	H, base zap [t/m]	exc, base zap [m]	Momento [tm/m]	exc, punta [m]	Mom punta [mt/m]	Mom,punta cargas verticales [mt/m]
Peso muro (I)	3.50	0.88	0.00	0.00	3.06	0.950	-3.325	3.325
Peso muro (II)	0.00	0.68	0.00	0.00	0.00	1.150	0.000	0.000
Peso zapata	7.30	0.00	0.00	0.00	0.00	1.825	-13.323	13.323
Empuje tierras (I)	17.50	-0.58	9.46	1.43	3.49	2.400	-28.447	42.000
Empuje tierras (II)	0.00	0.67	0.00	0.00	0.00	1.150	0.000	0.000
Componente vert empuje t	1.67	0.68	0	0.00	1.13	1.150	-1.917	1.917
Componente vert empuje sc	0.00	0.68	0	0.00	0.00	1.150	0.000	0.000
Empuje sobrecarga	0.00	-0.38	0.00	2.15	0.00	2.200	0.000	0.000
Suma	29.97		9.46		7.68		-47.011	60.565

Tensiones	*sig, max [t/m2]*	sig,min [t/m2]	Fibra neutra [m]
	11.67	4.75	3.65

c) Dimensionamiento armadura de zapata

	Por bielas y tirantes				Por teoría de flexión					*Dimensionamiento máximo*
Puntera	sig 2 [t/m2]	R1d [t/m]	exc [m]	Td [t/m]	As cm2/m	sig 2 [t/m2]	Md [mt/m]	Uc [t/m]	As [cm2/m]	*Armadura de puntera [cm2/m]*
	9.868	15.345	0.488	9.345	2.225	10.134	5.577	1063	1.777	*10.119*
		l/2=	0.475							
Talón (flexión)	M tierras [mt/m]	sig 2 [t/m2]	R2d [t/m]	exc [m]	M presión [mt/m]	Md [mt/m]	Uc [t/m]	As [cm2/m]	nº gordo [cm2/m]	*Amadura de talón [cm2/m]*
	29.491	9.60	18.374	1.136	20.870	12.932	1063	4.139	4.56	*10.119*
Transversal	*As [cm2/m]*									
	6.000									

d) Comprobación estabilidad

Deslizamiento	Fv [t/m]	Fe [t/m]	*gamma*
	9.456	14.984	*1.585*

Vuelco	Mom v [mt/m]	Mom estab [mt/m]	
	13.553	60.565	*4.469*

e) Dimensionamiento muro

Carga	H, base muro [t/m]	exc, base muro [m]	Momento [mt/m]	Md [mt/m]		Arm vert [cm2/m]	Arm horiz [cm2/m]
Empuje tierras	6.26	1.17	7.31		Uc =	496	
Empuje sobrecarga	0.00	1.75	0.00				
Suma	6.26		7.31	10.963	*As* =	*7.710*	*6.400*
					nº gordo =	8.287	

6.9 Pantallas de la salida de emergencia .

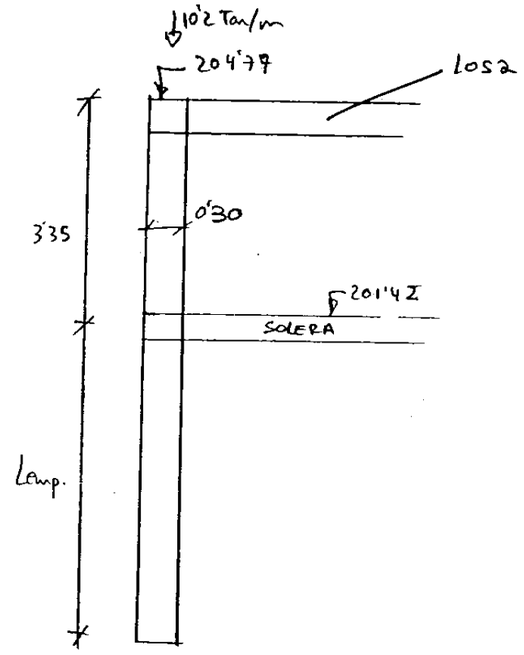
CALCULO DE PANTALLAS

Para el cálculo de las pantallas se ha utiliza el programa LARIX-2G, que permite el análisis d pantallas en voladizo o arriostradas sometidas a cualqu tipo de cargas.

El programa determina la longitud de empotramien to necesaria en función del tipo de pantalla - cargas y tipo de terreno considerado.

PANTALLA TIPO 1

Antes de realizar la excavación se ejecuta la losa superior, con lo que la pantalla queda arriostrada.



$e = 0'45$

$EI = 3.200.000 \cdot \frac{1}{12} \times 1'0 \times 0'30^3 =$

$= 72.000\ kN\,m^2$

$\gamma = 2'0\ T/m^3$

$c = 0'0$

$\varphi = 30°$

Resultados :

$L_{emp.} = 4'2\ m \longrightarrow$ Longitud Pantalla: $7'56\,m = 7'60\,m$

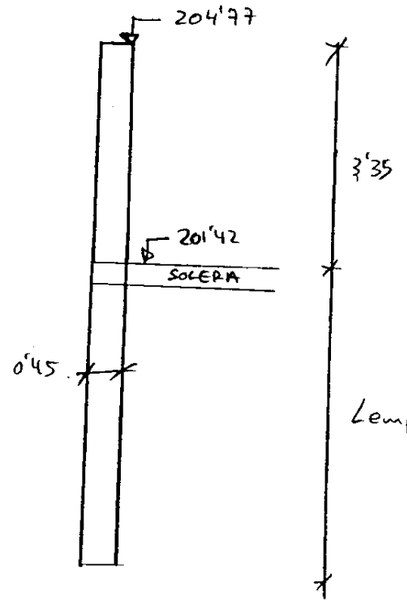
$\delta_{máx} = 1'8\ mm$

$V_x = 7'1\ Tan \longrightarrow V_{xd} = 10'6\ Tan$

$M_z = 4'6\ mTan \longrightarrow M_{zd} = 6'9\ mTan \longrightarrow 7'5\ cm^2/m \longrightarrow \phi 16 @ 20$

PANTALLA TIPO 2

Consideramos todo el núcleo de escaleras como pantalla en voladizo.



$\gamma = 2'0\ T/m^3$

$c = 0$

$\varphi = 30°$

$e = 0'45 \longrightarrow$

$\longrightarrow EI = 3.200.000 \cdot \frac{1}{12} \times 1'0 \times 0'45^3 = 243.00$

Resultados :

$L_{emptr} = 6'2\ m \longrightarrow$ Longitud Pantalla : $9'55\,m = 9'6$

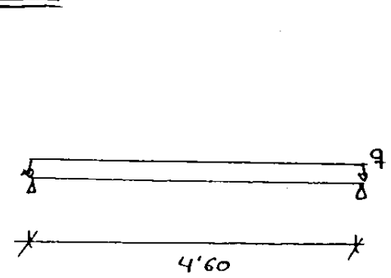
$\delta_{máx} = 21\ mm$

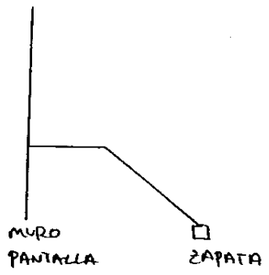
$V_x = 22'8\ Tan \longrightarrow V_{xd} = 34'2\ Tan \longrightarrow 6'7\,cm^2 \longrightarrow 1C\phi 12$

$M_z = 22'4\ mTan \longrightarrow M_{zd} = 33'15\,mTan \longrightarrow 21'9\,cm^2/m \longrightarrow$

$\longrightarrow \phi 20 @ 10$

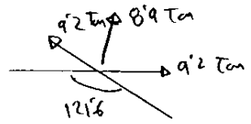
Tramo 1





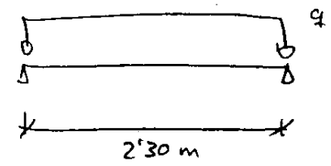
$Md = 2'7 \times \frac{4'6^2}{8} = 7'2$ m Tm ⟶ 11'9 cm²/m ⟶ ϕ16 a 0'15

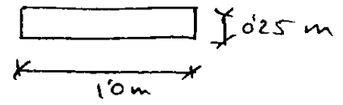
Empuje al vacío:



1cϕ12

CÁLCULO LOSA SOBRE PANTALLA TIPO 1





q = Peso tierras + scu + Peso propio =

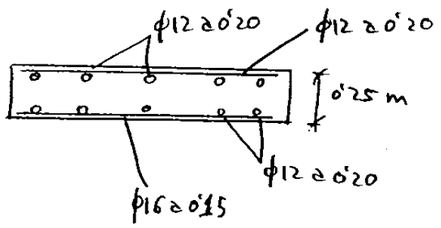
$= 1'5 \times \left((207'45 - 204'75) \times 1'8 + 1'0 + 2'5 \times 1'0 \times 0'2 \right) = 11'44$ T/m

$Md = \frac{11'44 \times 2'3^2}{8} = 7'56$ m Tm ⟶ 12'6 cm² ⟶ ϕ16 a 0'15

Carga sobre pantalla ⟶ $p = 11'4 \times 2'3/2 = 13'11$ T/m

Armadura de negativos:

Cuantía mínima: $1'8 \cdot 10^{-3} \times 25 \times 100 = 4'5$ cm² ⟶ ϕ12 a



E N T R Y D A T A P H A S E : 1

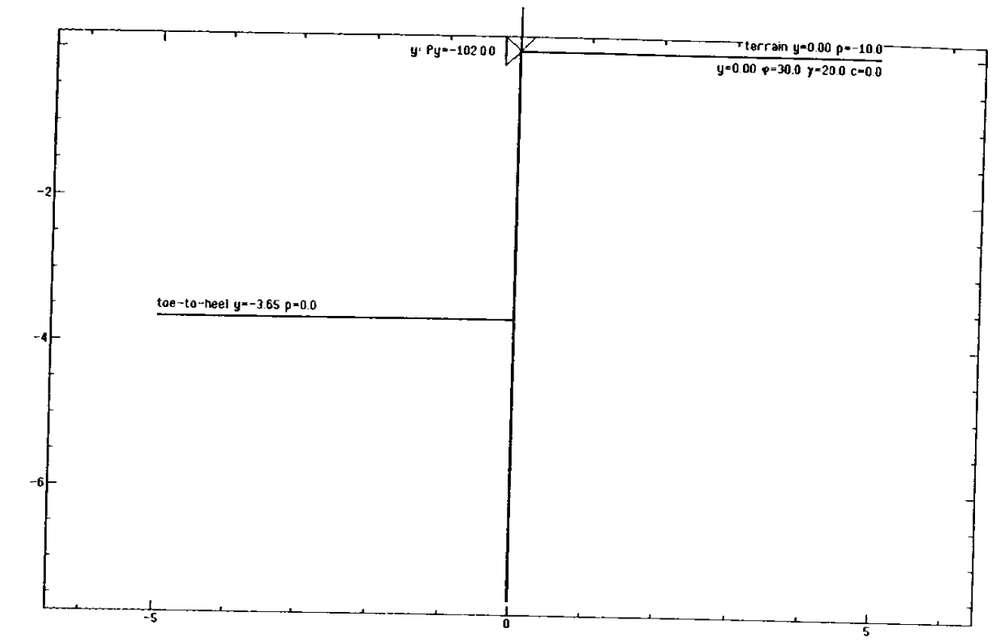
group: ESTACION project: PANTALLA variant: P1

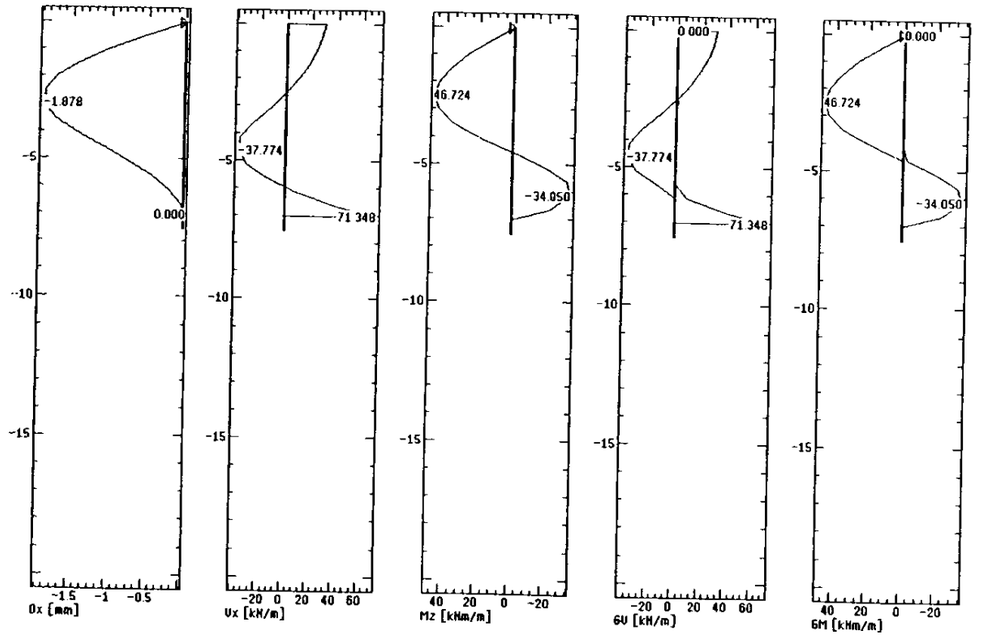
WALL
top of wall : free
toe of wall : depth of containment sought
bearing fixed restrained
soil resistance: safety Sp=1.50
automatic form
soil pressure : no relocation
safeties Sa1=1.00 Sa2=1.00
pressure share during rest r=0.00

ACTIVE BRACINGS
y= 0.00 [m]

EXCAVATION BASE
y=-3.65 [m]

group: ESTACION project: PANTALLA variant: P1
phase 1 EXCAVACION FINAL





L I M I T S T I L P H A S E 1

group: ESTACION project: PANTALLA variant: P1

LIMITS OF VARIOUS WALL PRESSURES

y [m]	activ/ elevated [kN/m²]	after poss. relocation [kN/m²]	not relo- cateable [kN/m²]	water- pressure [kN/m²]	passive pressure [kN/m²]	total pressure [kN/m²]
0.000 min	0.000	0.000	0.000	0.000	0.000	0.000
0.000 max	0.000	0.000	3.333	0.000	0.000	3.333
-0.500 min	0.000	0.000	0.000	0.000	0.000	0.000
-0.500 max	3.333	3.333	3.333	0.000	0.000	6.667
-1.000 min	0.000	0.000	0.000	0.000	0.000	0.000
-1.000 max	6.667	6.667	3.333	0.000	0.000	10.000
-1.500 min	0.000	0.000	0.000	0.000	0.000	0.000
-1.500 max	10.000	10.000	3.333	0.000	0.000	13.333
-2.000 min	0.000	0.000	0.000	0.000	0.000	0.000
-2.000 max	13.333	13.333	3.333	0.000	0.000	16.667
-2.500 min	0.000	0.000	0.000	0.000	0.000	0.000
-2.500 max	16.667	16.667	3.333	0.000	0.000	20.000
-3.000 min	0.000	0.000	0.000	0.000	0.000	0.000
-3.000 max	20.000	20.000	3.333	0.000	0.000	23.333
-3.500 min	0.000	0.000	0.000	0.000	0.000	0.000
-3.500 max	23.333	23.333	3.333	0.000	0.000	26.667
-3.650 min	0.000	0.000	0.000	0.000	0.000	0.000
-3.650 max	24.333	24.333	3.333	0.000	0.000	27.667
-4.150 min	0.000	0.000	0.000	0.000	-20.000	0.000
-4.150 max	27.667	27.667	3.333	0.000	0.000	11.000
-4.650 min	0.000	0.000	0.000	0.000	-40.000	-5.667
-4.650 max	31.000	31.000	3.333	0.000	0.000	0.000
-5.150 min	0.000	0.000	0.000	0.000	-60.000	-22.333
-5.150 max	34.333	34.333	3.333	0.000	0.000	0.000
-5.650 min	0.000	0.000	0.000	0.000	-80.000	-39.000
-5.650 max	37.667	37.667	3.333	0.000	0.000	0.000
-6.150 min	0.000	0.000	0.000	0.000	-100.000	-55.667
-6.150 max	41.000	41.000	3.333	0.000	0.000	0.000
-6.650 min	0.000	0.000	0.000	0.000	-120.000	-72.333
-6.650 max	44.333	44.333	3.333	0.000	0.000	0.000
-7.044 min	0.000	0.000	0.000	0.000	-135.777	-85.481
-7.044 max	46.963	46.963	3.333	0.000	0.000	0.000

BRACINGS (max values)

y [m]	horizontal [kN/m]	component	force [kN/m]
0.000	29.8		29.8

LIMITS OF RESULTS FOR WALL MEASUREMENTS, DISPLACEMENTS OF CUTTING FORCES

y [m]	total pressure [kN/m2]	Dx [mm]	Vx [kN/m]	Mz [kNm/m]
0.000 min	0.000	-0.0	0.0	-0.0
0.000 max	3.333	0.0	29.8	0.0
-0.500 min	0.000	-0.5	0.0	0.0
-0.500 max	6.667	0.0	27.3	14.3
-1.000 min	0.000	-1.0	0.0	0.0
-1.000 max	10.000	0.0	23.1	27.0
-1.500 min	0.000	-1.4	0.0	0.0
-1.500 max	13.333	0.0	17.3	37.2
-2.000 min	0.000	-1.7	0.0	0.0
-2.000 max	16.667	0.0	9.8	44.0
-2.500 min	0.000	-1.9	0.0	0.0
-2.500 max	20.000	0.0	0.6	46.7
-3.000 min	0.000	-1.9	-10.2	0.0
-3.000 max	23.333	0.0	0.0	44.4
-3.500 min	0.000	-1.7	-22.7	0.0
-3.500 max	26.667	0.0	0.0	36.2
-3.650 min	0.000	-1.7	-26.8	0.0
-3.650 max	27.667	0.0	0.0	32.5
-4.150 min	0.000	-1.4	-36.4	0.0
-4.150 max	11.000	0.0	0.0	16.4
-4.650 min	-5.667	-1.0	-37.8	-2.5
-4.650 max	0.000	0.0	0.0	0.0
-5.150 min	-22.333	-0.7	-30.8	-20.0
-5.150 max	0.000	0.0	0.0	0.0
-5.650 min	-39.000	-0.4	-15.4	-31.9
-5.650 max	0.000	0.0	0.0	0.0
-6.150 min	-55.667	-0.2	0.0	-34.1
-6.150 max	0.000	0.0	8.2	0.0
-6.650 min	-72.333	-0.0	0.0	-22.3
-6.650 max	0.000	0.0	40.2	0.0
-7.044 min	-85.481	0.0	0.0	-0.5
-7.044 max	0.000	0.0	71.3	0.0

LIMITS OF RESULTS FOR WALL DIMENSIONING

external and associated cutting forces:

- max Mz = 46.7 [kNm/m] (associated Vx= -0.1 [kN/m])
- min Mz = -34.6 [kNm/m] (associated Vx= 2.6 [kN/m])
- max Vx = 71.3 [kN/m] (associated Mz = -0.5 [kNm/m])
- min Vx = -38.3 [kN/m] (associated Mz = 3.4 [kNm/m])

load zero point = 0.830 [m] (starting at base)
required elevation bottom wall = -7.557 [m]
max. resulting vertical force = 0.000 [kN/m]
min. resulting vertical force = -203.200 [kN/m]

RESULTS PHASE 1

group: ESTACION project: PANTALLA variant: P1

wall type: closed wall

SOIL PRESSURE CORRECTION VALUES OF SOIL LAYERS

Y [m]	gamma [kN/m3]	phi [°]	ca [kN/m²]	cp [kN/m²]	Kahß	KOhß	Kphß
0.00	20.00	30.00	0.00	0.00	0.33	0.50	3.00

WALL PRESSURES

Y [m]	active/ elevated [kN/m²]	after poss. relocation [kN/m²]	not relocateable [kN/m²]	Water-pressure [kN/m²]	passive pressure [kN/m²]	total pressure [kN/m²]
0.0000	0.0000	0.0000	3.3333	0.0000	-0.0000	3.3333
-3.6500	24.3333	24.3333	3.3333	0.0000	-0.0000	27.6667
-7.0444	46.9628	46.9628	3.3333	0.0000	-135.7769	-85.4808

BRACINGS

Y [m]	horizontal component [kN/m]	force [kN/m]
0.0000	29.8	29.8

DISPLACEMENTS AND CUTTING FORCES

Y [m]	Vx [kN/m]	Mz [kNm/m]	Dx [mm]	Rz
0.0000	29.8	-0.0	-0.0	-0.0011
-0.5000	27.3	14.3	-0.5	-0.0010
-1.0000	23.1	27.0	-1.0	-0.0009
-1.5000	17.3	37.2	-1.4	-0.0007
-2.0000	9.8	44.0	-1.7	-0.0005
-2.5000	0.6	46.7	-1.9	-0.0002
-3.0000	-10.2	44.4	-1.9	0.0001
-3.5000	-22.7	36.2	-1.7	0.0004
-3.6500	-26.8	32.5	-1.7	0.0006
-3.6500	-26.8	32.5	-1.7	0.0006
-4.1500	-36.4	16.4	-1.4	0.0006

Y [m]	Vx [kN/m]	Mz [kNm/m]	Dx [mm]	Rz
-4.6500	-37.8	-2.5	-1.0	0.0007
-5.1500	-30.8	-20.0	-0.7	0.0006
-5.6500	-15.4	-31.9	-0.4	0.0005
-6.1500	8.2	-34.1	-0.2	0.0004
-6.6500	40.2	-22.3	-0.0	0.0002
-7.0444	71.3	-0.5	0.0	0.0000

RESULTS FOR WALL DIMENSIONING

external and associated cutting forces:

- max Mz = 46.7 [kNm/m] (associated Vx= -0.1 [kN/m])
- min Mz = -34.6 [kNm/m] (associated Vx= 2.6 [kN/m])
- max Vx = 71.3 [kN/m] (associated Mz = -0.5 [kNm/m])
- min Vx = -38.3 [kN/m] (associated Mz = 3.4 [kNm/m])

load zero point = 0.830 [m] (starting at base)
calculated containment depth= 3.394 [m]
extra = 0.513 [m]
total depth of containment = 3.907 [m] (fixation degree = 100 [%])

resulting vertical force = -203.200 [kN/m]

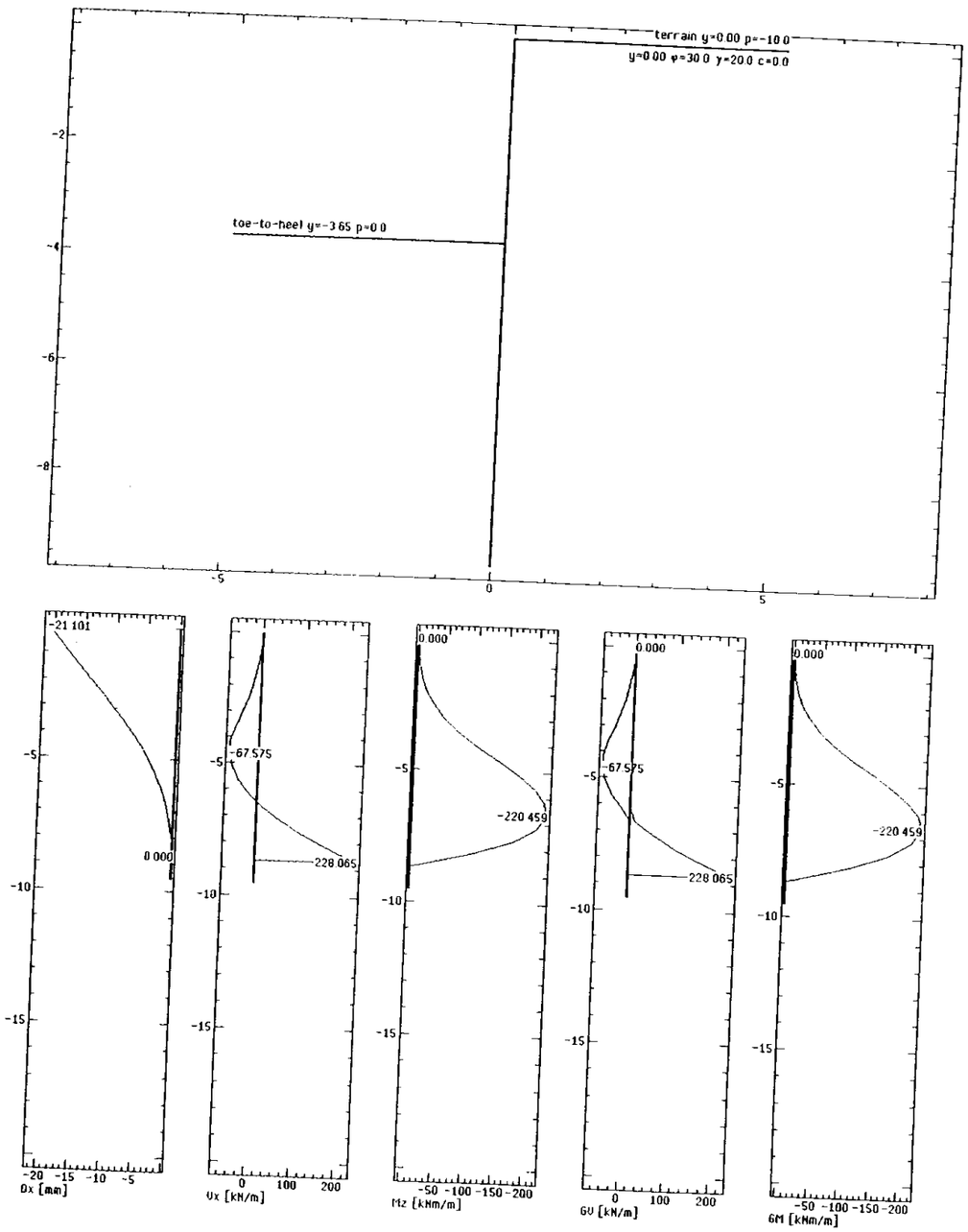
E N T R Y D A T A P H A S E : 1

group: ESTACION project: PANTALLA variant: P2

WALL
top of wall : free
toe of wall : depth of containment sought
bearing fixed restrained
soil resistance: safety Sp=1.50
automatic form
soil pressure : no relocation
safeties Sa1=1.00 Sa2=1.00
pressure share during rest r=0.00

EXCAVATION BASE
y=-3.65 [m]

group: ESTACION project: PANTALLA variant: P2
phase 1 final condition



L I M I T S T I L P H A S E 1

group: ESTACION project: PANTALLA variant: P2

LIMITS OF VARIOUS WALL PRESSURES

y [m]	activ/ elevated [kN/m²]	after poss. relocation [kN/m²]	not relo- cateable [kN/m²]	water- pressure [kN/m²]	passive pressure [kN/m²]	total pressure [kN/m²]
0.000 min	0.000	0.000	0.000	0.000	0.000	0.000
0.000 max	0.000	0.000	3.333	0.000	0.000	3.333
-0.500 min	0.000	0.000	0.000	0.000	0.000	0.000
-0.500 max	3.333	3.333	3.333	0.000	0.000	6.667
-1.000 min	0.000	0.000	0.000	0.000	0.000	0.000
-1.000 max	6.667	6.667	3.333	0.000	0.000	10.000
-1.500 min	0.000	0.000	0.000	0.000	0.000	0.000
-1.500 max	10.000	10.000	3.333	0.000	0.000	13.333
-2.000 min	0.000	0.000	0.000	0.000	0.000	0.000
-2.000 max	13.333	13.333	3.333	0.000	0.000	16.667
-2.500 min	0.000	0.000	0.000	0.000	0.000	0.000
-2.500 max	16.667	16.667	3.333	0.000	0.000	20.000
-3.000 min	0.000	0.000	0.000	0.000	0.000	0.000
-3.000 max	20.000	20.000	3.333	0.000	0.000	23.333
-3.500 min	0.000	0.000	0.000	0.000	0.000	0.000
-3.500 max	23.333	23.333	3.333	0.000	0.000	26.667
-3.650 min	0.000	0.000	0.000	0.000	0.000	0.000
-3.650 max	24.333	24.333	3.333	0.000	0.000	27.667
-4.150 min	0.000	0.000	0.000	0.000	-20.000	0.000
-4.150 max	27.667	27.667	3.333	0.000	0.000	11.000
-4.650 min	0.000	0.000	0.000	0.000	-40.000	-5.667
-4.650 max	31.000	31.000	3.333	0.000	0.000	0.000
-5.150 min	0.000	0.000	0.000	0.000	-60.000	-22.333
-5.150 max	34.333	34.333	3.333	0.000	0.000	0.000
-5.650 min	0.000	0.000	0.000	0.000	-80.000	-39.000
-5.650 max	37.667	37.667	3.333	0.000	0.000	0.000
-6.150 min	0.000	0.000	0.000	0.000	-100.000	-55.667
-6.150 max	41.000	41.000	3.333	0.000	0.000	0.000
-6.650 min	0.000	0.000	0.000	0.000	-120.000	-72.333
-6.650 max	44.333	44.333	3.333	0.000	0.000	0.000
-7.150 min	0.000	0.000	0.000	0.000	-140.000	-89.000
-7.150 max	47.667	47.667	3.333	0.000	0.000	0.000
-7.650 min	0.000	0.000	0.000	0.000	-160.000	-105.667

y [m]	activ/ elevated [kN/m²]	after poss. relocation [kN/m²]	not relo- cateable [kN/m²]	water- pressure [kN/m²]	passive pressure [kN/m²]	total pressure [kN/m²]
-7.650 max	51.000	51.000	3.333	0.000	0.000	0.000
-8.150 min	0.000	0.000	0.000	0.000	-180.000	-122.333
-8.150 max	54.333	54.333	3.333	0.000	0.000	0.000
-8.650 min	0.000	0.000	0.000	0.000	-200.000	-139.000
-8.650 max	57.667	57.667	3.333	0.000	0.000	0.000
-8.695 min	0.000	0.000	0.000	0.000	-201.805	-140.504
-8.695 max	57.968	57.968	3.333	0.000	0.000	0.000

LIMITS OF RESULTS FOR WALL MEASUREMENTS, DISPLACEMENTS OF CUTTING FORCES

y [m]	total pressure [kN/m2]	Dx [mm]	Vx [kN/m]	Mz [kNm/m]
0.000 min	0.000	-21.1	-0.0	0.0
0.000 max	3.333	0.0	0.0	0.0
-0.500 min	0.000	-19.3	-2.5	-0.6
-0.500 max	6.667	0.0	0.0	0.0
-1.000 min	0.000	-17.5	-6.7	-2.8
-1.000 max	10.000	0.0	0.0	0.0
-1.500 min	0.000	-15.7	-12.5	-7.5
-1.500 max	13.333	0.0	0.0	0.0
-2.000 min	0.000	-13.9	-20.0	-15.6
-2.000 max	16.667	0.0	0.0	0.0
-2.500 min	0.000	-12.1	-29.2	-27.8
-2.500 max	20.000	0.0	0.0	0.0
-3.000 min	0.000	-10.4	-40.0	-45.0
-3.000 max	23.333	0.0	0.0	0.0
-3.500 min	0.000	-8.7	-52.5	-68.1
-3.500 max	26.667	0.0	0.0	0.0
-3.650 min	0.000	-8.2	-56.6	-76.2
-3.650 max	27.667	0.0	0.0	0.0
-4.150 min	0.000	-6.7	-66.2	-107.3
-4.150 max	11.000	0.0	0.0	0.0
-4.650 min	-5.667	-5.3	-67.6	-141.1
-4.650 max	0.000	0.0	0.0	0.0
-5.150 min	-22.333	-4.1	-60.6	-173.5
-5.150 max	0.000	0.0	0.0	0.0
-5.650 min	-39.000	-3.0	-45.2	-200.3
-5.650 max	0.000	0.0	0.0	0.0

Y [m]	total pressure [kN/m2]	Dx [mm]	Vx [kN/m]	Mz [kNm/m]
-6.150 min	-55.667	-2.1	-21.6	-217.3
-6.150 max	0.000	0.0	0.0	0.0
-6.650 min	-72.333	-1.3	0.0	-220.5
-6.650 max	0.000	0.0	10.4	0.0
-7.150 min	-89.000	-0.8	0.0	-205.5
-7.150 max	0.000	0.0	50.8	0.0
-7.650 min	-105.667	-0.4	0.0	-168.3
-7.650 max	0.000	0.0	99.4	0.0
-8.150 min	-122.333	-0.1	0.0	-104.7
-8.150 max	0.000	0.0	156.4	0.0
-8.650 min	-139.000	-0.0	0.0	-10.5
-8.650 max	0.000	0.0	221.8	0.0
-8.695 min	-140.504	0.0	0.0	-0.3
-8.695 max	0.000	0.0	228.1	0.0

LIMITS OF RESULTS FOR WALL DIMENSIONING

external and associated cutting forces:
- max Mz = 0.0 [kNm/m] (associated Vx= -0.0 [kN/m])
- min Mz = -221.1 [kNm/m] (associated Vx= -4.5 [kN/m])
- max Vx = 228.1 [kN/m] (associated Mz = -0.3 [kNm/m])
- min Vx = -68.0 [kN/m] (associated Mz = -132.2 [kNm/m])

load zero point = 0.830 [m] (starting at base)
required elevation bottom wall = -9.538 [m]
max. resulting vertical force = 0.000 [kN/m]
min. resulting vertical force = -0.000 [kN/m]

R E S U L T S P H A S E 1

group: ESTACION project: PANTALLA variant: P2

wall type: closed wall

SOIL PRESSURE CORRECTION VALUES OF SOIL LAYERS

Y [m]	gamma [kN/m3]	phi [°]	ca [kN/m²]	cp [kN/m²]	KahB	KOhB	KphB
0.00	20.00	30.00	0.00	0.00	0.33	0.50	3.00

WALL PRESSURES

Y [m]	active/ elevated [kN/m²]	after poss. relocation [kN/m²]	not relocateable [kN/m²]	Water-pressure [kN/m²]	passive pressure [kN/m²]	total pressure [kN/m²]
0.0000	0.0000	0.0000	3.3333	0.0000	-0.0000	3.3333
-3.6500	24.3333	24.3333	3.3333	0.0000	-0.0000	27.6667
-8.6951	57.9675	57.9675	3.3333	0.0000	-201.8051	-140.5043

DISPLACEMENTS AND CUTTING FORCES

Y [m]	Vx [kN/m]	Mz [kNm/m]	Dx [mm]	Rz
0.0000	-0.0	0.0	-21.1	0.0036
-0.5000	-2.5	-0.6	-19.3	0.0036
-1.0000	-6.7	-2.8	-17.5	0.0036
-1.5000	-12.5	-7.5	-15.7	0.0036
-2.0000	-20.0	-15.6	-13.9	0.0036
-2.5000	-29.2	-27.8	-12.1	0.0035
-3.0000	-40.0	-45.0	-10.4	0.0034
-3.5000	-52.5	-68.1	-8.7	0.0033
-3.6500	-56.6	-76.2	-8.2	0.0033
-3.6500	-56.6	-76.2	-8.2	0.0033
-4.1500	-66.2	-107.3	-6.7	0.0030
-4.6500	-67.6	-141.1	-5.3	0.0026
-5.1500	-60.6	-173.5	-4.1	0.0023
-5.6500	-45.2	-200.3	-3.0	0.0020
-6.1500	-21.6	-217.3	-2.1	0.0016
-6.6500	10.4	-220.5	-1.3	0.0013
-7.1500	50.8	-205.5	-0.8	0.0010
-7.6500	99.4	-168.3	-0.4	0.0007
-8.1500	156.4	-104.7	-0.1	0.0003
-8.6500	221.8	-10.5	-0.0	0.0000
-8.6951	228.1	-0.3	0.0	0.0000

RESULTS FOR WALL DIMENSIONING

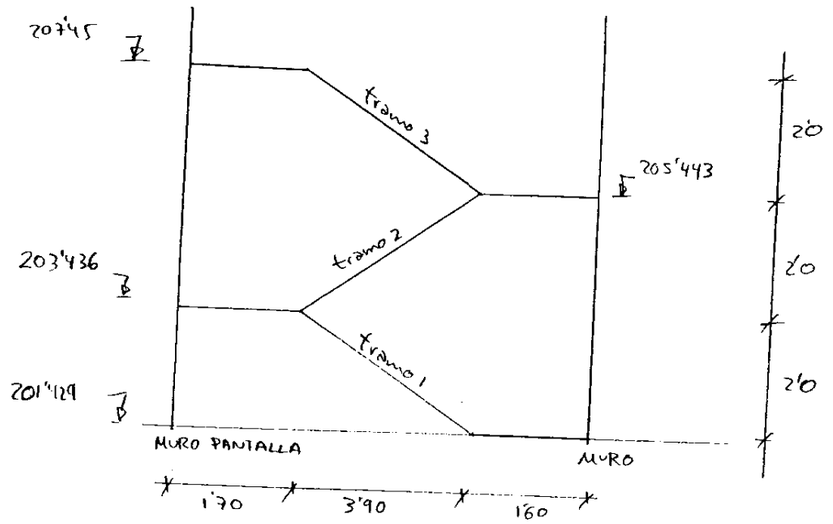
external and associated cutting forces:
- max Mz = 0.0 [kNm/m] (associated Vx= -0.0 [kN/m])
- min Mz = -221.1 [kNm/m] (associated Vx= -4.5 [kN/m])
- max Vx = 228.1 [kN/m] (associated Mz = -0.3 [kNm/m])
- min Vx = -68.0 [kN/m] (associated Mz = -132.2 [kNm/m])

load zero point = 0.830 [m] (starting at base)
calculated containment depth= 5.045 [m]
extra = 0.843 [m]
total depth of containment = 5.888 [m] (fixation degree = 100 [%])

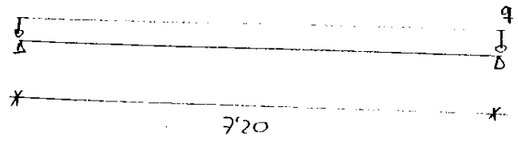
resulting vertical force = -0.000 [kN/m]

6.10 Escalera de la salida de emergencia

ESCALERAS



Tramo 2 y Tramo 3



losa e: 0'20 m

Ancho escalera: 1'5 m

Peso Propio = 2'5 × 0'20 = 0'5 T/m²

solado = 0'1 T/m²

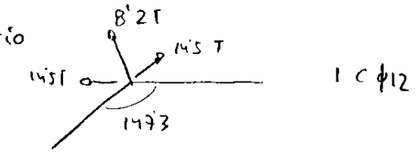
formación de peldaños: 0'2 T/m²

recubrimiento = 0'4 T/m²

→ q: 1'5 × 1'2 × 1'5 = 2'7 T/m

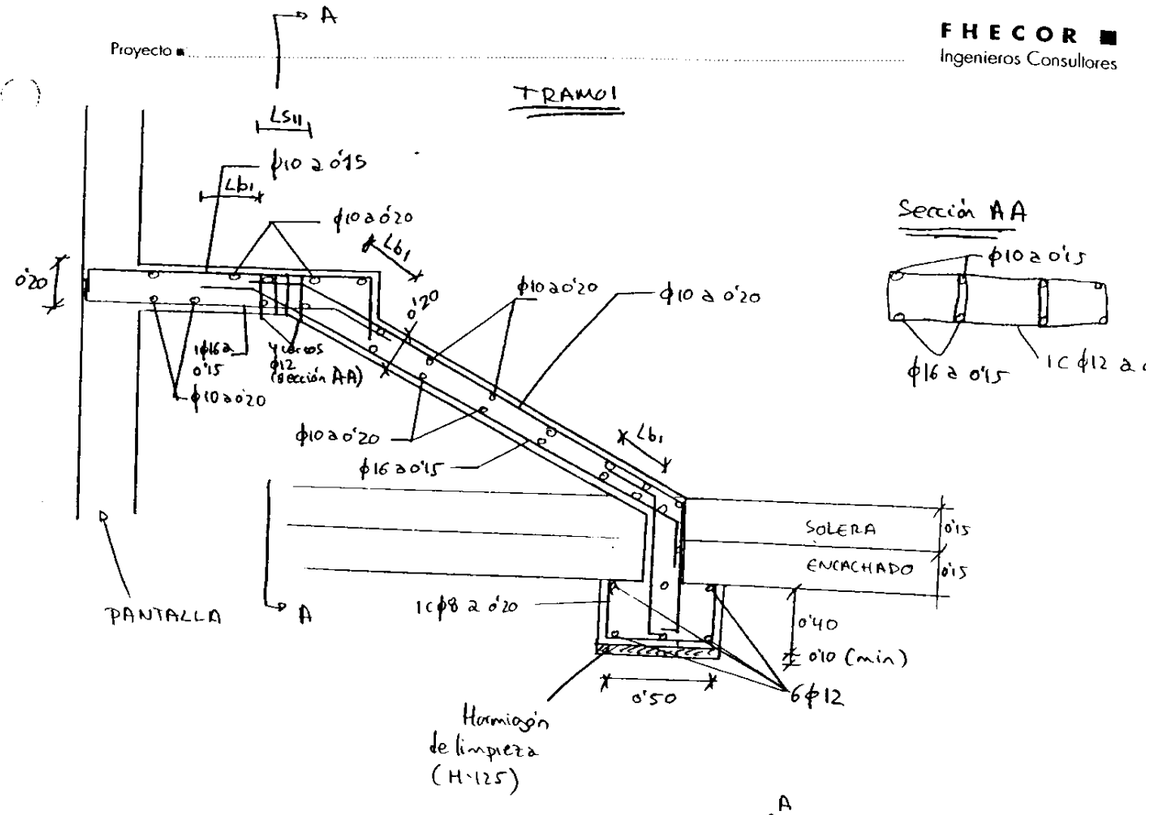
$Md = \frac{2'7 \times 7'2^2}{8} = 17'5$ mTon → 29'2 cm²/m → φ20 a 0'10

Empuje al vacío

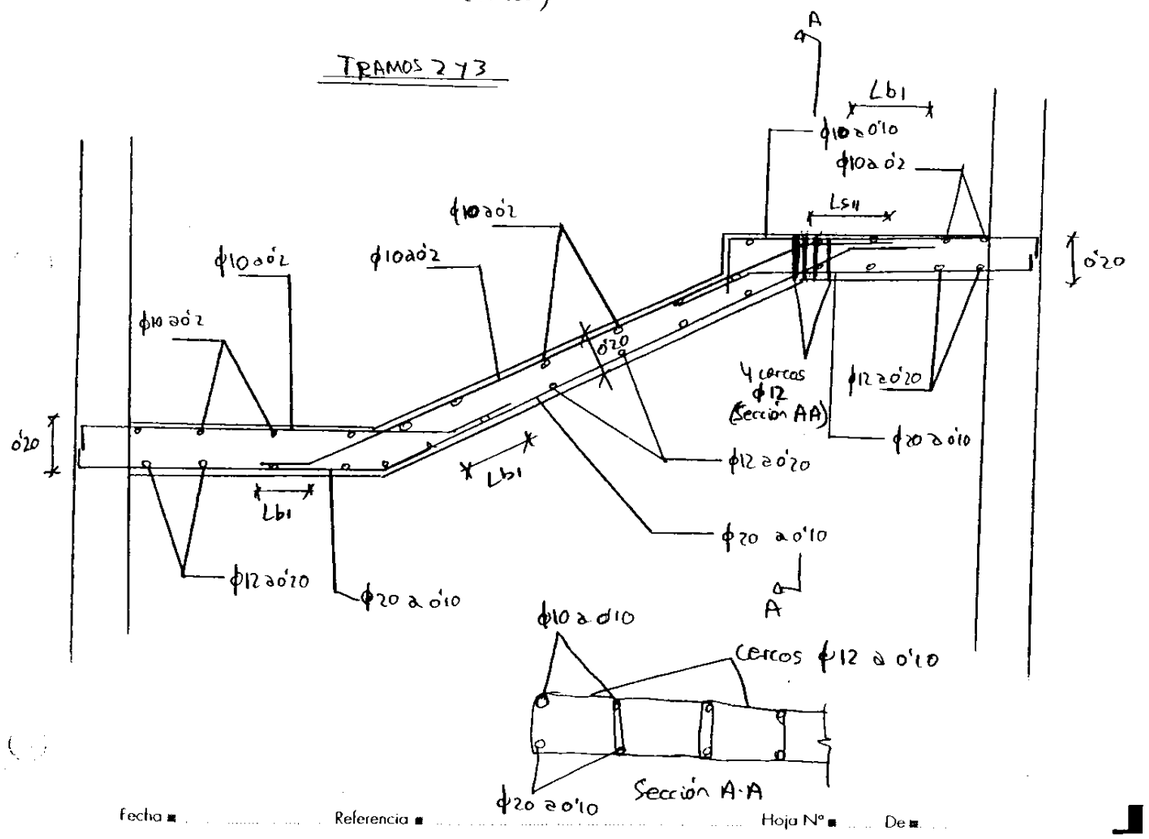


1 C φ12

TRAMO 1



TRAMOS 2 y 3



Gráficos

Túnel Tenor Fleta_ Muro izquierdo

Plaxis - Finite Element Code for Soil and Rock Analyses

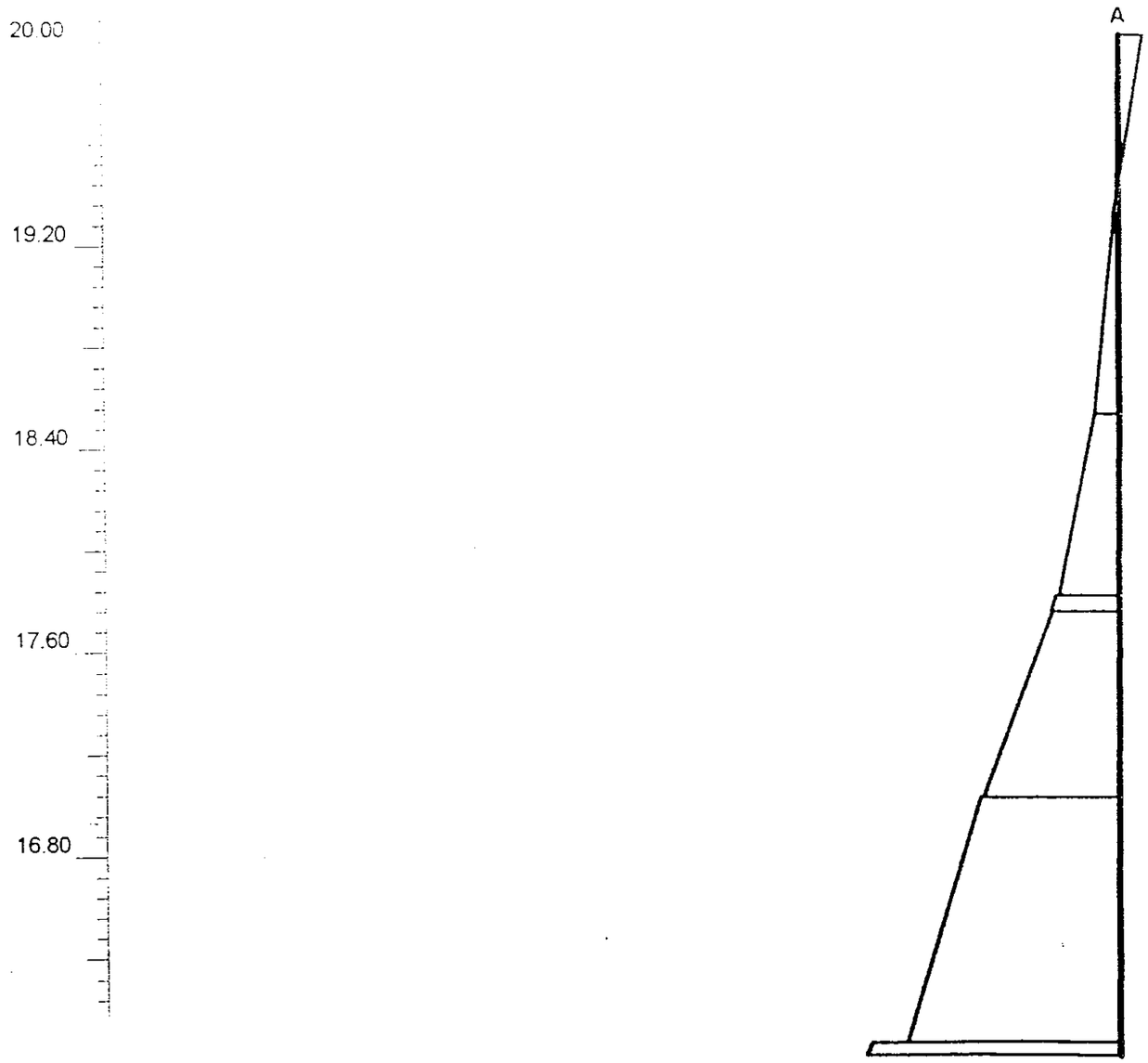
Project description : TENOR FLETA$_0$ (MURO IZQ. PRESIONES) Date : **19/03/01**

User name : Universidad Politecnica de Madrid

Project name : TENOR FLETA 0

Output : Cross section table Step : 5 **Page : 1**

X [m]	Y [m]	σ'_N [kN/m^2]
14,983	20,000	3,742
14,979	19,277	-0,937
14,979	19,277	-0,741
14,979	19,236	-0,858
14,979	19,236	-0,840
14,974	18,508	-3,753
14,974	18,508	-3,776
14,970	17,789	-9,285
14,970	17,789	-9,831
14,969	17,728	-10,468
14,969	17,728	-10,361
14,965	17,000	-20,798
14,965	17,000	-21,229
14,959	16,040	-32,201
14,959	16,040	-37,602
14,959	15,989	-38,464



Effective normal stresses

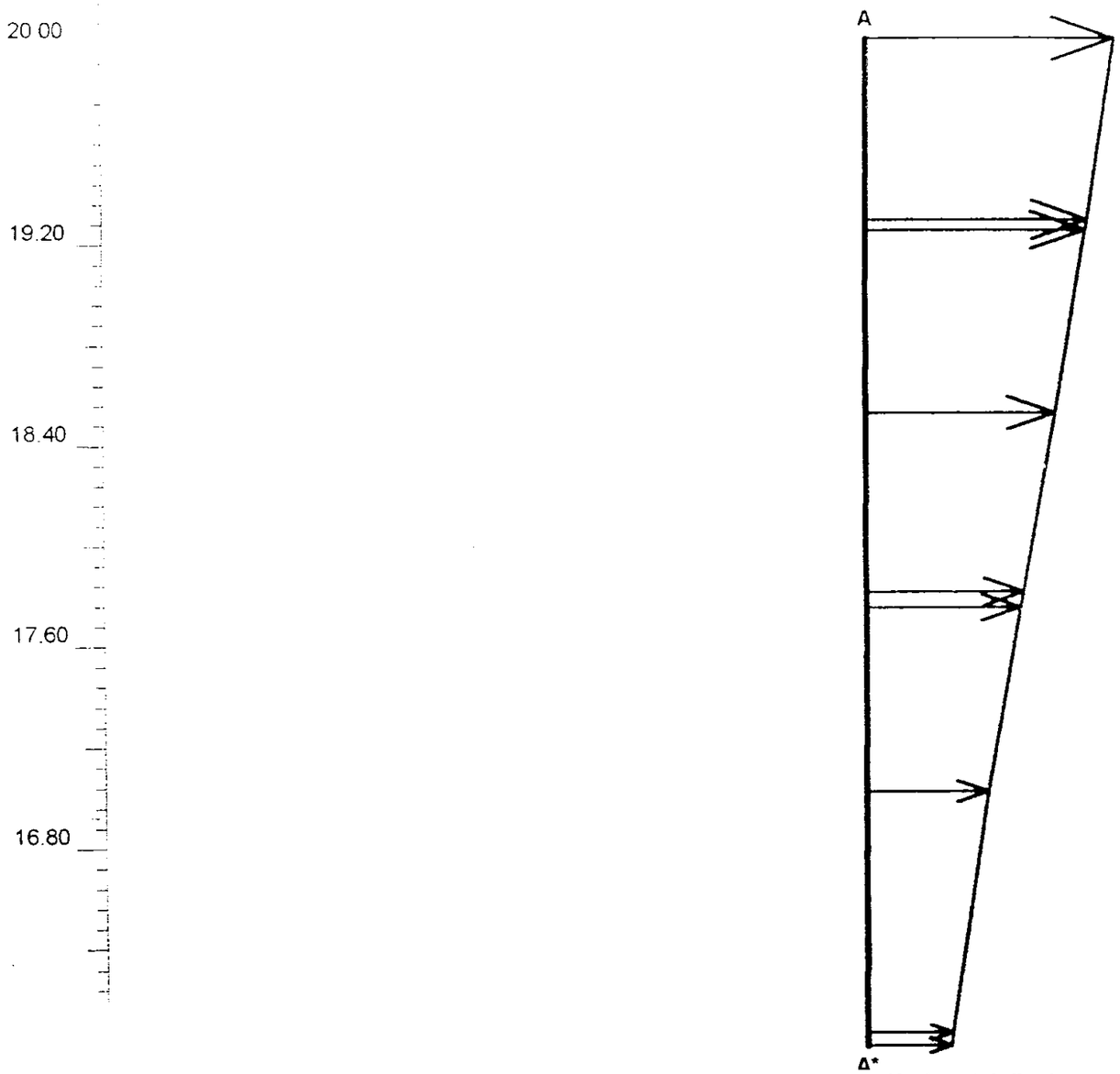
Extreme effective normal stress -38,46 kN/m^2

PLAXIS
Finite Element Code for Soil and Rock Analyses

Project description: TENOR FLETA_0 (MURO IZQ.)

Project name	*Step*	*Date*	*User name*
TENOR FLETA 0	5	19/03/01	Universidad Politecnica de Madrid

Version 7.1.6.97



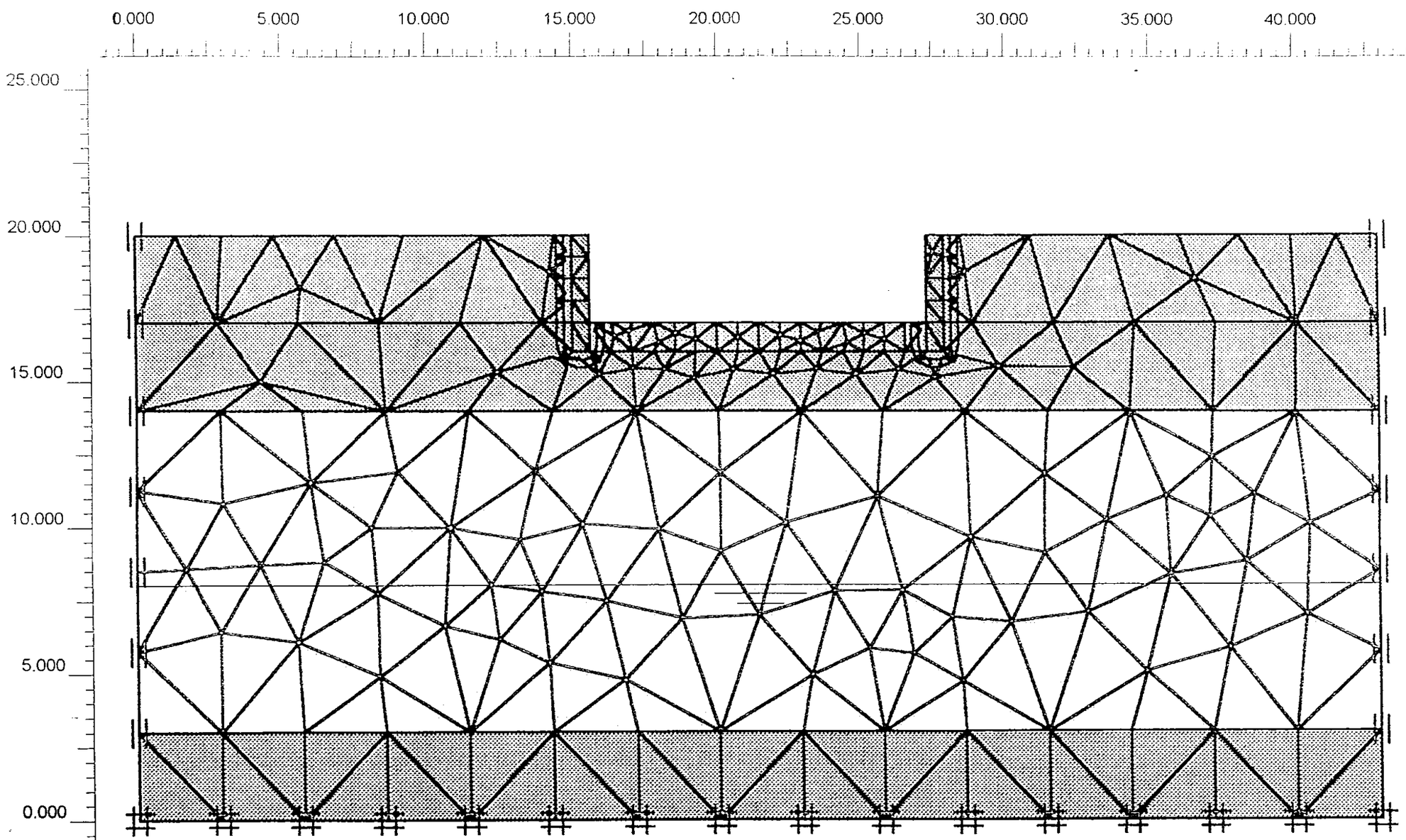
Horizontal displacements

Extreme horizontal displacement $2{,}56*10^{-3}$ m

PLAXIS
Finite Element Code for Soil and Rock Analyses

Version 7.1.6.97

Project description			
TENOR FLETA_0 (MURO IZQ.)			
Project name	*Step*	*Date*	*User name*
TENOR FLETA 0	5	19/03/01	Universidad Politecnica de Madrid



Connectivities

PLAXIS
Finite Element Code for Soil and Rock Analyses

Version 7.1.6.97

Project description			
TENOR FLETA_0			
Project name	*Step*	*Date*	*User name*
TENOR FLETA 0	5	19/03/01	Universidad Politecnica de Madrid

Plaxis - Finite Element Code for Soil and Rock Analyses

Project description : TENOR FLETA$_0$ Date : 19/03/01

User name : Universidad Politecnica de Madrid

Project name : TENOR FLETA 0

Output : Soil and Interfaces Info - Mohr-Coulomb Step : 5 Page : 1

Identification	Type	γ_{dry} [kN/m^3]	γ_{wet} [kN/m^3]	k_x [m/day]	k_y [m/day]	ν' [-]	E_{ref} [kN/m^2]	c_{ref} [kN/m^2]	φ [°]
GRAVA ARENOSA	Drained	20,0	20,0	0,0000	0,0000	0,25	1,2E5	5,0	38,0
RELLENO	Drained	19,5	19,5	0,0000	0,0000	0,30	20000,0	0,2	33,0
MARGA YESIFERA	Drained	20,5	21,0	0,0000	0,0000	0,30	2E5	30,0	28,0
EXPLANADA	Drained	20,0	20,0	0,0000	0,0000	0,25	1,5E5	5,0	40,0
TERRAZA	Drained	20,0	20,0	0,0000	0,0000	0,25	1,8E5	5,0	40,0

Plaxis - Finite Element Code for Soil and Rock Analyses

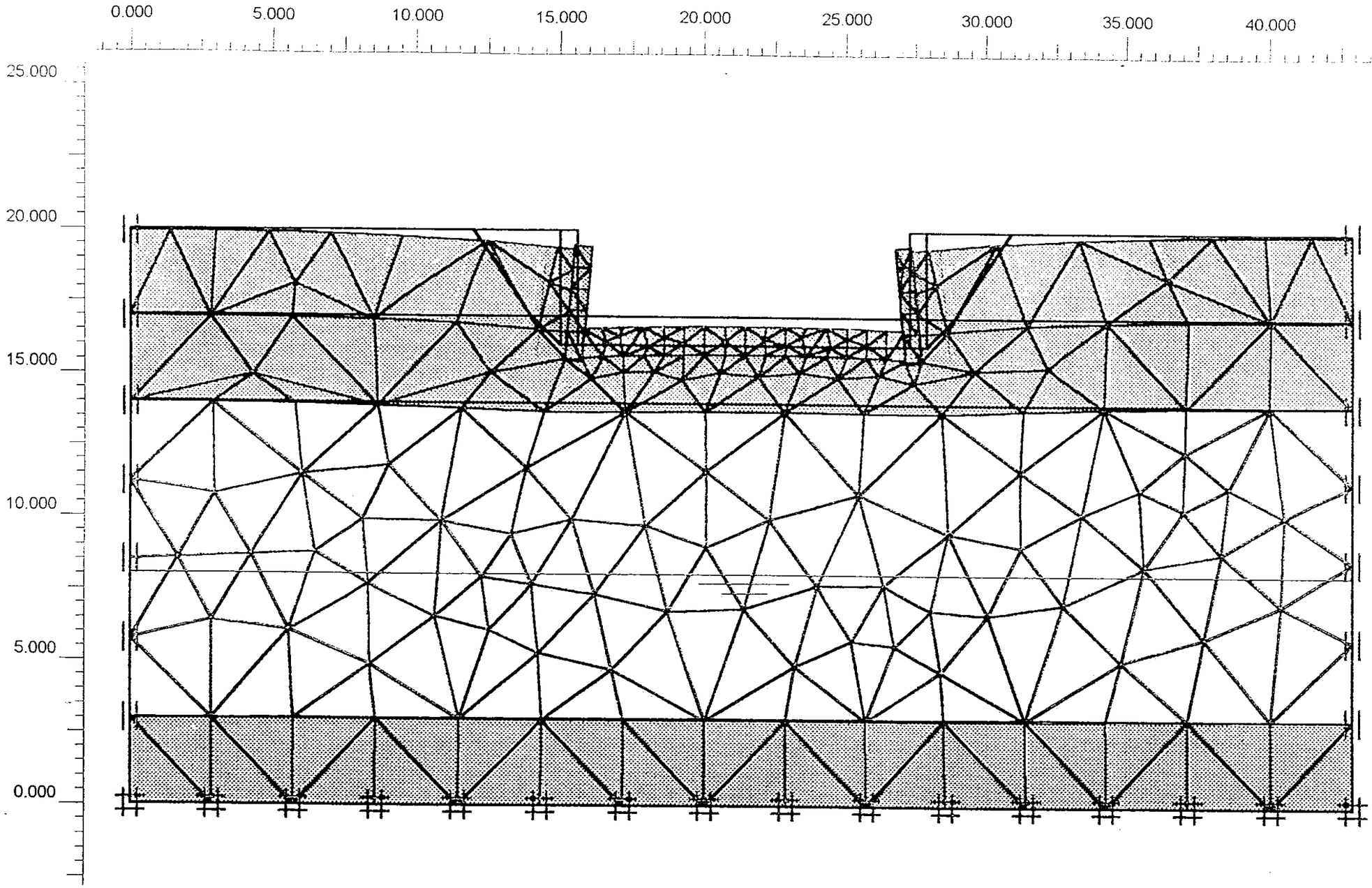
Project description : TENOR FLETA$_0$ Date : 19/03/01

User name : Universidad Politecnica de Madrid

Project name : TENOR FLETA 0

Output : Soil and Interfaces Info - Mohr-Coulomb Step : 5 Page : 2

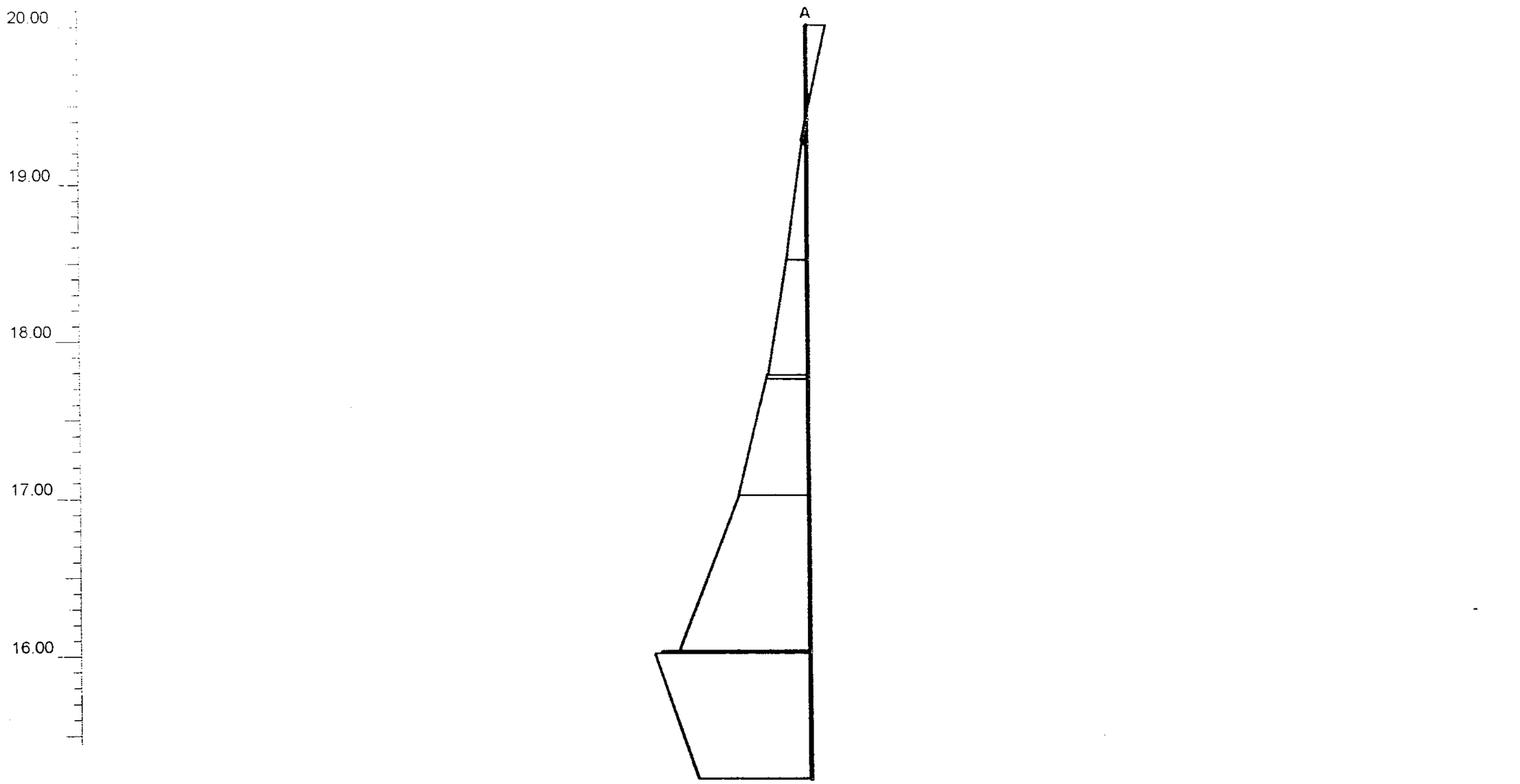
Identification	ψ [°]	E_{incr} [kN/m^3]	c_{incr} [kN/m^3]	y_{ref} [m]	T-Strength [kN/m^2]	R_{inter} [-]	Interface Permeability [-]
GRAVA ARENOSA	0,0	0,0	0,0	0,0	1E10	0,60	Neutral
RELLENO	0,0	0,0	0,0	0,0	1E10	0,60	Neutral
MARGA YESIFERA	0,0	0,0	0,0	0,0	0,0	0,50	Neutral
EXPLANADA	0,0	0,0	0,0	0,0	1E10	0,60	Neutral
TERRAZA	0,0	0,0	0,0	0,0	0,0	0,60	Neutral



Deformed Mesh
Extreme total displacement $4{,}13*10^{-3}$ m
(displacements scaled up 200,00 times)

PLAXIS
Finite Element Code for Soil and Rock Analyses
Version 7.1.6.97

Project description			
TENOR FLETA_0			
Project name	*Step*	*Date*	*User name*
TENOR FLETA 0	5	19/03/01	Universidad Politecnica de Madrid



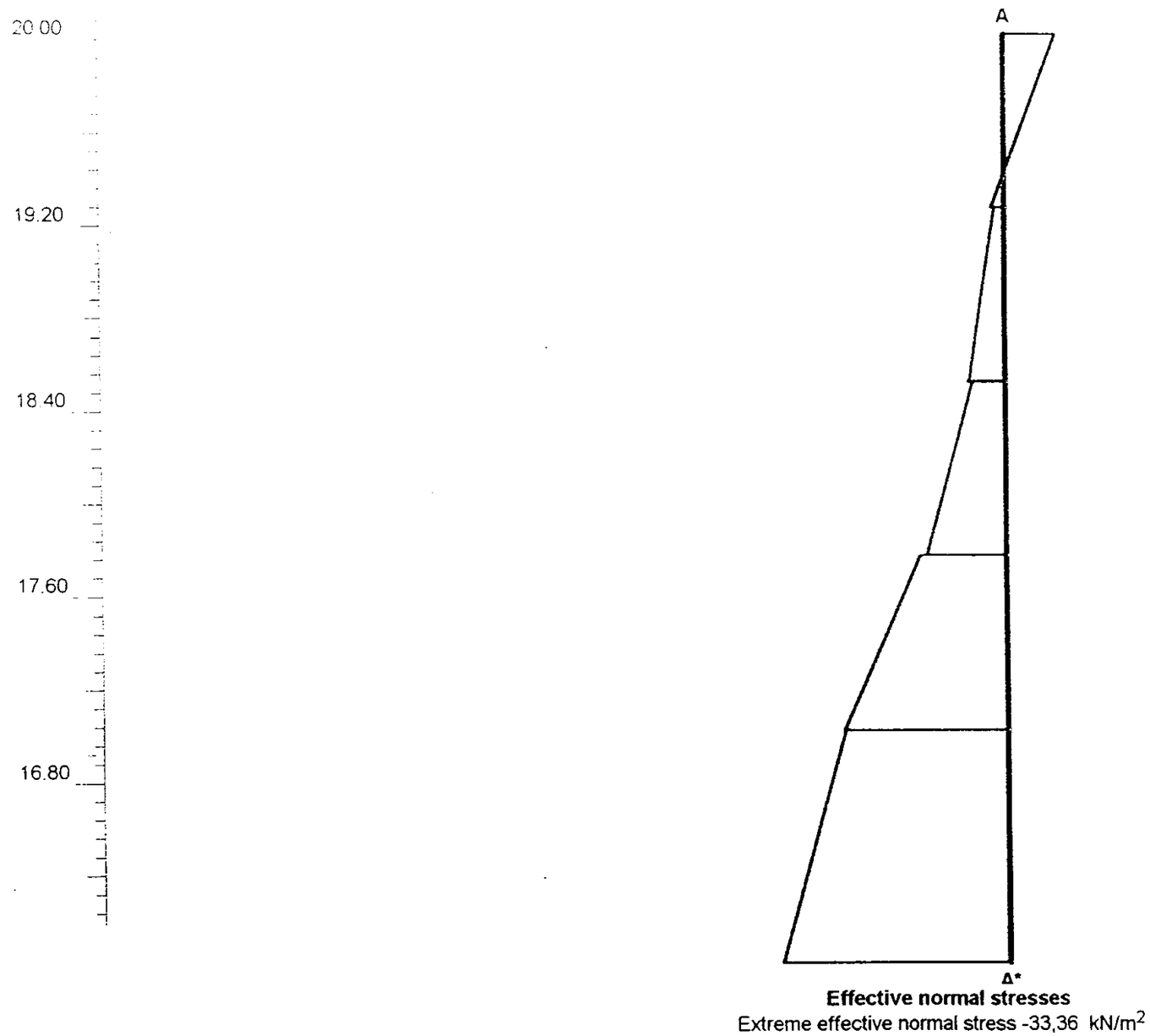
Effective normal stresses

Extreme effective normal stress -41,58 kN/m^2

PLAXIS
Finite Element Code for Soil and Rock Analyses

Version 7.1.6.97

Project description			
TENOR FLETA_0(MURO DER.)			
Project name	*Step*	*Date*	*User name*
TENOR FLETA 0	5	19/03/01	Universidad Politecnica de Madrid



Effective normal stresses

Extreme effective normal stress -33,36 kN/m^2

PLAXIS

Finite Element Code for Soil and Rock Analyses

Version 7.1.6.97

Project description			
TENOR FLETA_B1(MURO IZQ.) FASE 3			
Project name	*Step*	*Date*	*User name*
TENOR FLET...	17	19/03/01	Universidad Politecnica de Madrid

Plaxis - Finite Element Code for Soil and Rock Analyses

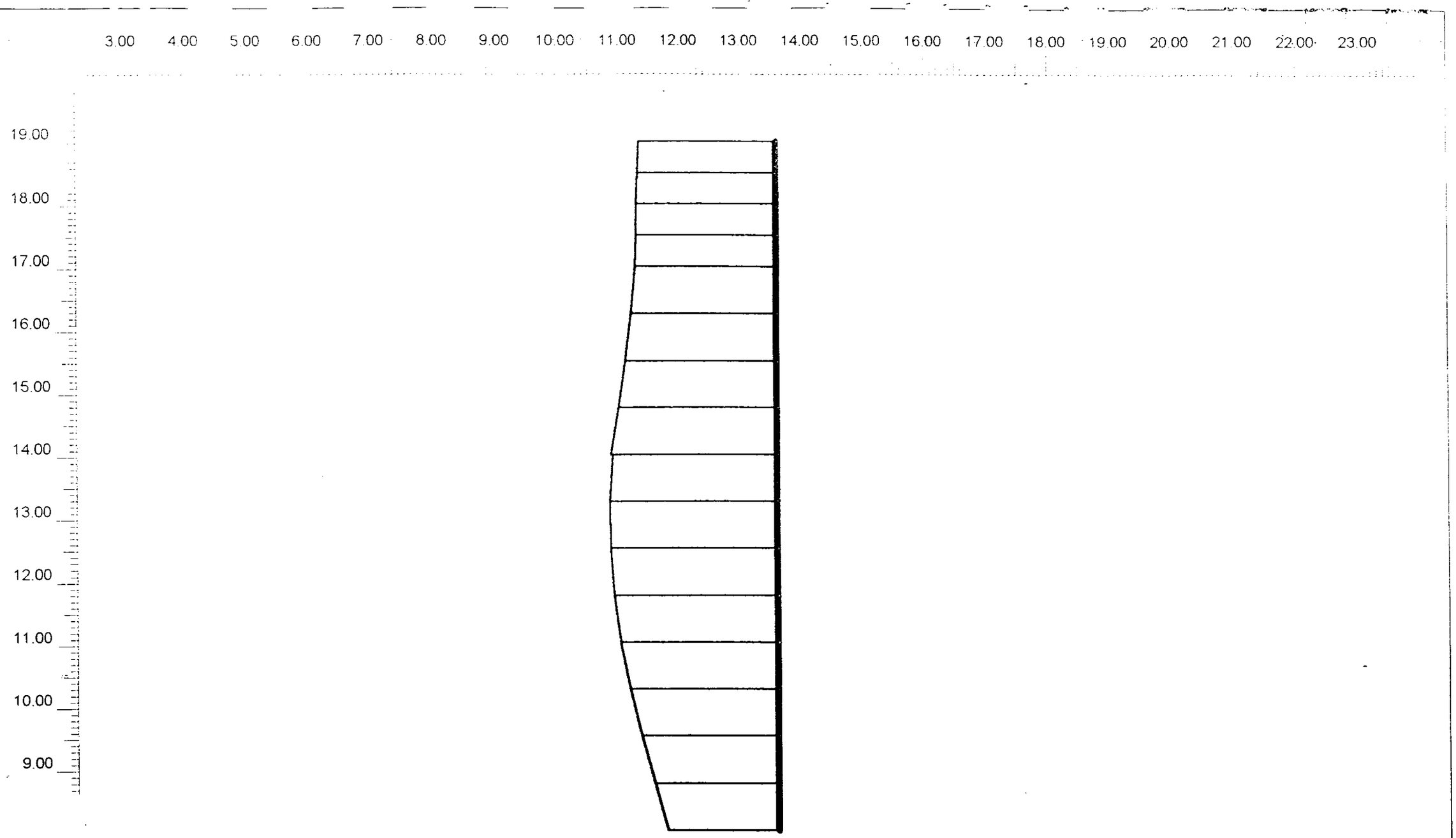
Project description : TENOR FLETA$_{B1}$(MURO IZQ. PRESIONES. FASE 3) Date : **19/03/01**

User name : Universidad Politecnica de Madrid

Project name : TENOR FLETA_B1

Output : Cross section table Step : **17** **Page : 1**

X [m]	Y [m]	σ'_N [kN/m^2]
14,979	20,000	6,494
14,979	19,261	-2,254
14,979	19,261	-0,676
14,979	19,246	-0,710
14,979	19,246	-0,383
14,979	18,508	-4,997
14,979	18,508	-4,973
14,979	17,769	-10,385
14,979	17,769	-10,522
14,979	17,739	-10,870
14,979	17,739	-10,369
14,979	17,000	-23,370
14,979	17,000	-23,891
14,979	16,015	-39,428
14,979	16,015	-47,942
14,979	15,970	-47,982



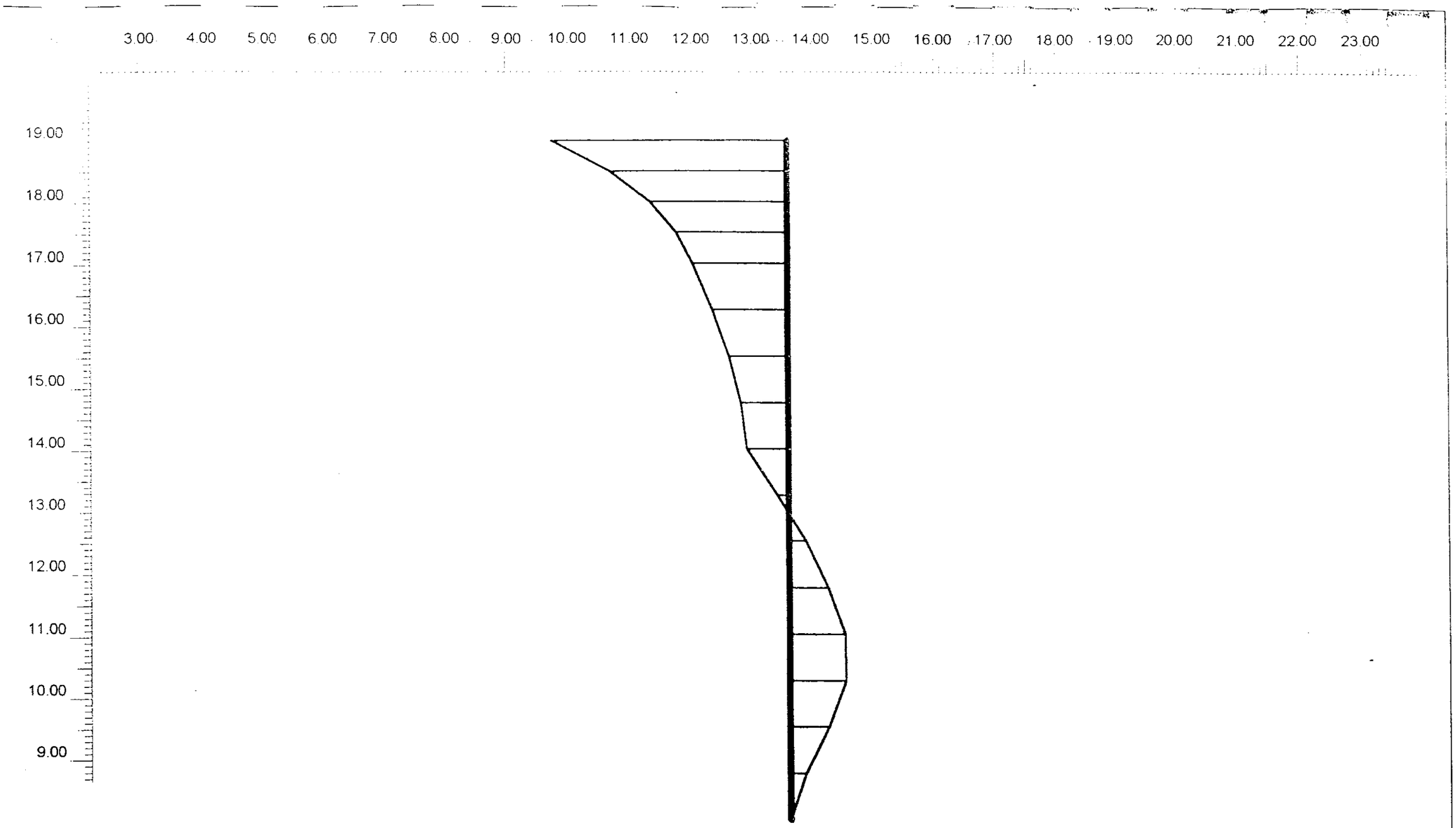
Axial forces

Extreme axial force -182,84 kN/m

PLAXIS
Finite Element Code for Soil and Rock Analyses

Version 7.1.6.97

Project description			
TENOR FLETA_B1(PILOTE IZQ.FASE 3)			
Project name	**Step**	**Date**	**User name**
TENOR FLET...	17	19/03/01	Universidad Politecnica de Madrid



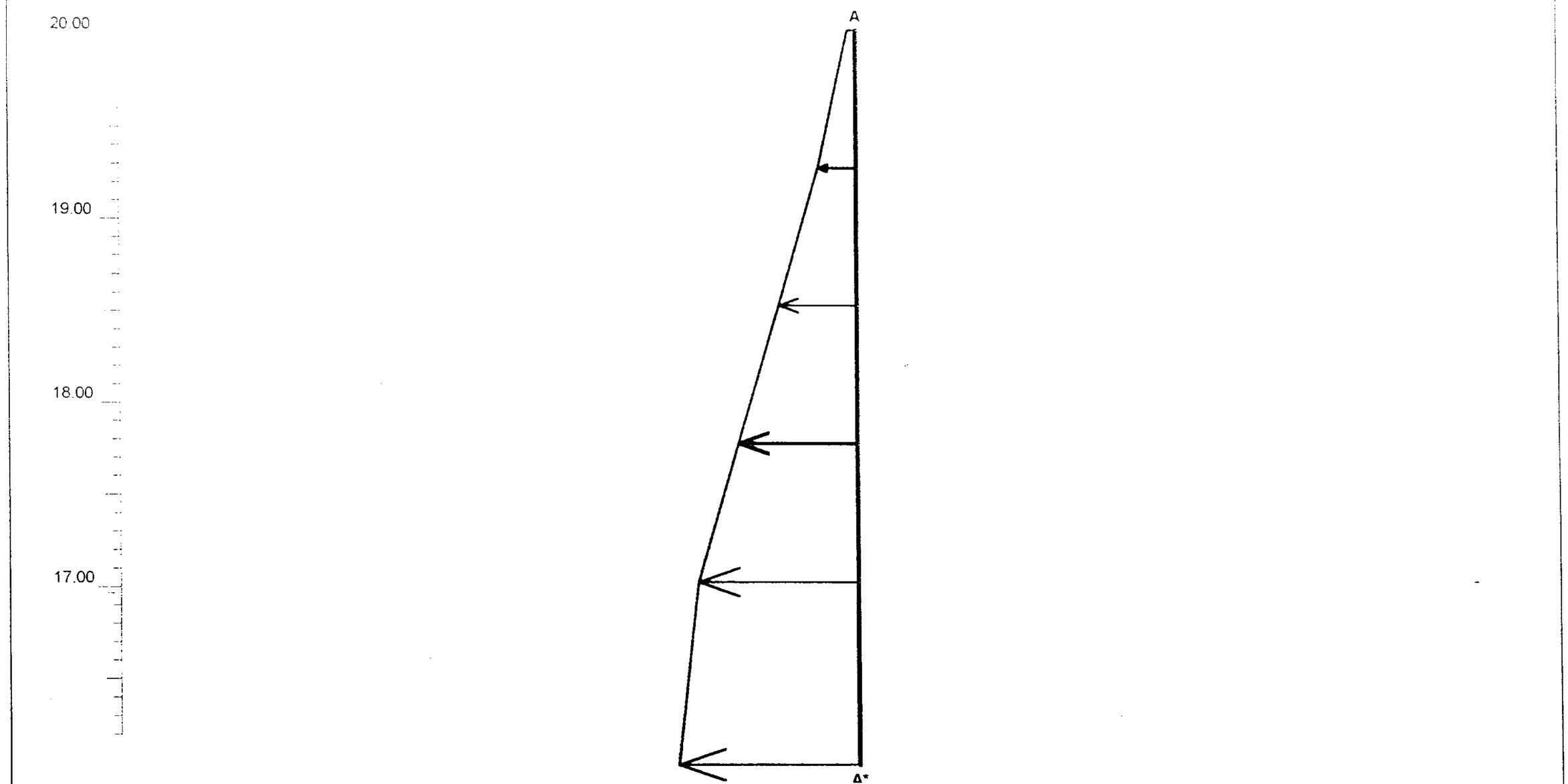
Bending moment
Extreme bending moment -22,62 kNm/m

PLAXIS
Finite Element Code for Soil and Rock Analyses

Project description
TENOR FLETA_B1(PILOTE IZQ.FASE 3)

Project name	*Step*	*Date*	*User name*
TENOR FLET...	17	19/03/01	Universidad Politecnica de Madrid

Version 7.1.6.97



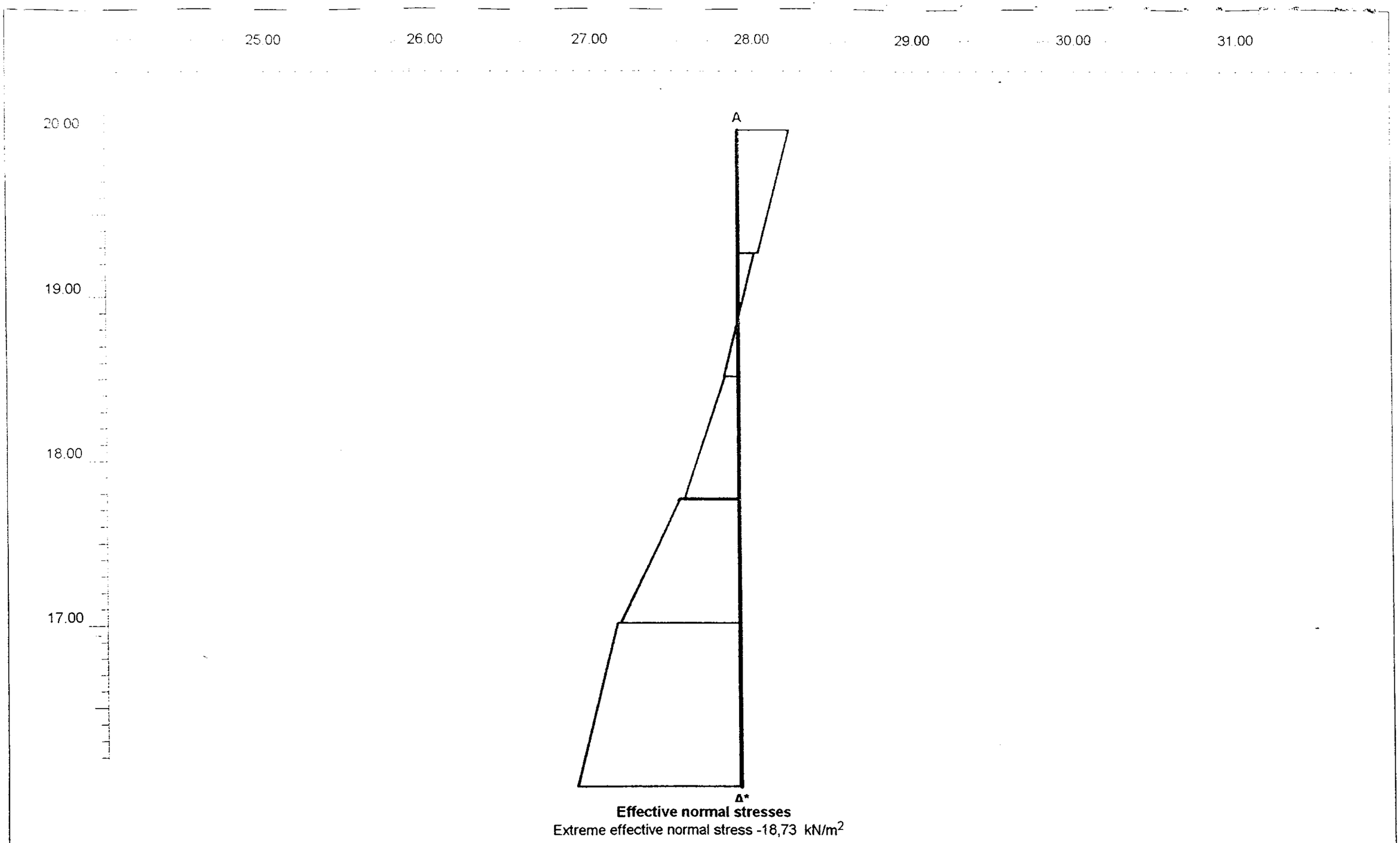
Horizontal displacements

Extreme horizontal displacement -295,56*10^{-6} m

PLAXIS
Finite Element Code for Soil and Rock Analyses

Version 7.1.6.97

Project description			
TENOR FLETA_B1(MURO DER. FASE 3)			
Project name	*Step*	*Date*	*User name*
TENOR FLET...	17	19/03/01	Universidad Politecnica de Madrid



Effective normal stresses

Extreme effective normal stress -18,73 kN/m^2

PLAXIS Finite Element Code for Soil and Rock Analyses	*Project description* TENOR FLETA_B1(MURO DER. FASE 3)			
	Project name TENOR FLET...	*Step* 17	*Date* 19/03/01	*User name* Universidad Politecnica de Madrid

Version 7.1.6.97

Plaxis - Finite Element Code for Soil and Rock Analyses

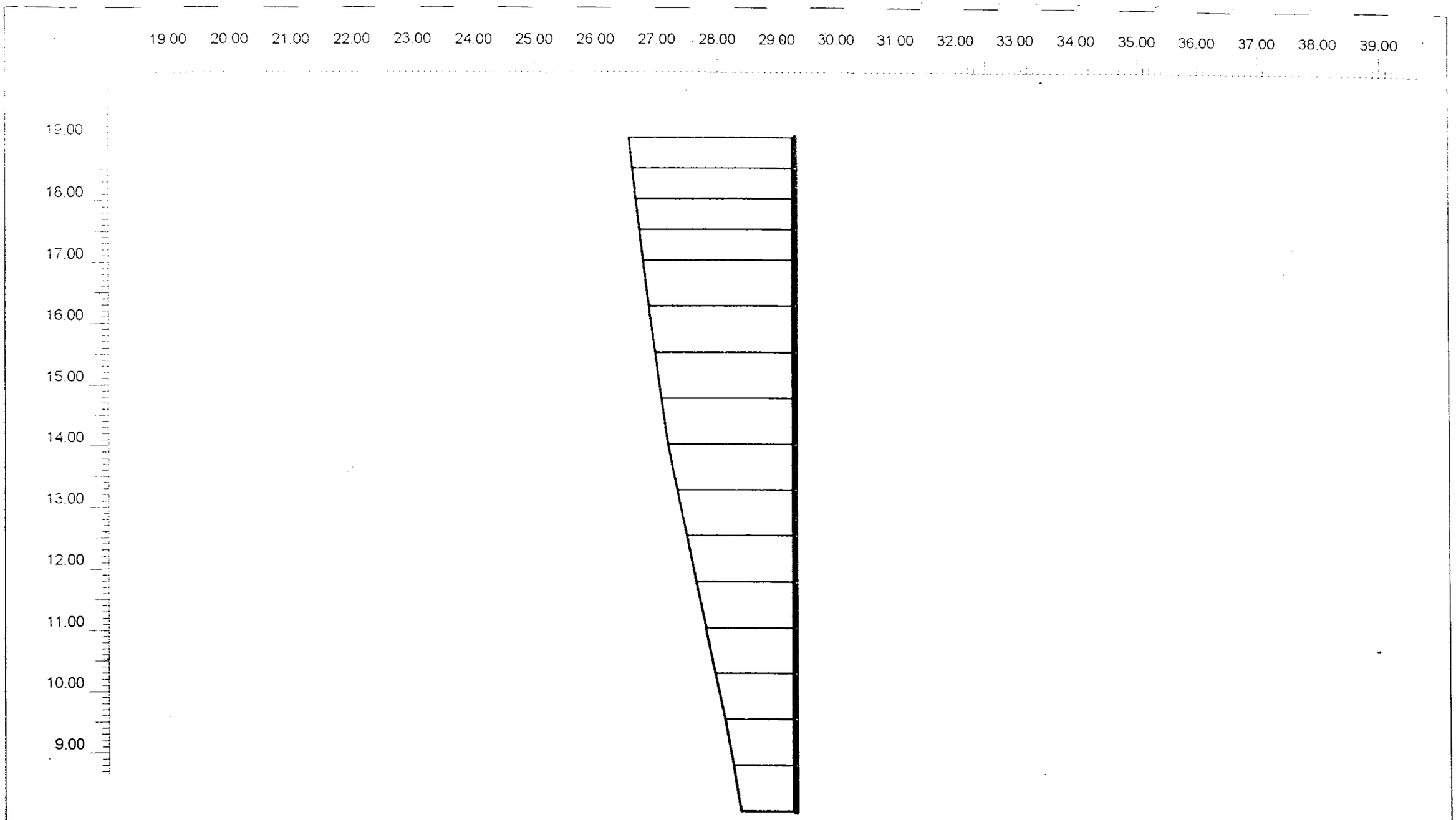
Project description : TENOR FLETA$_{B1}$(MURO DER. PRESIONES. FASE 3) **Date : 19/03/01**

User name : Universidad Politecnica de Madrid

Project name : TENOR FLETA_B1

Output : Cross section table Step : 17 **Page : 1**

X [m]	Y [m]	σ'_N [kN/m^2]
27,907	20,000	6,100
27,907	19,254	2,369
27,907	19,254	1,969
27,907	19,249	1,910
27,907	19,249	1,900
27,907	18,503	-1,616
27,907	18,503	-1,537
27,907	17,756	-6,208
27,907	17,756	-6,870
27,907	17,746	-7,001
27,907	17,746	-6,857
27,907	17,000	-13,674
27,907	17,000	-14,043
27,907	16,005	-18,733



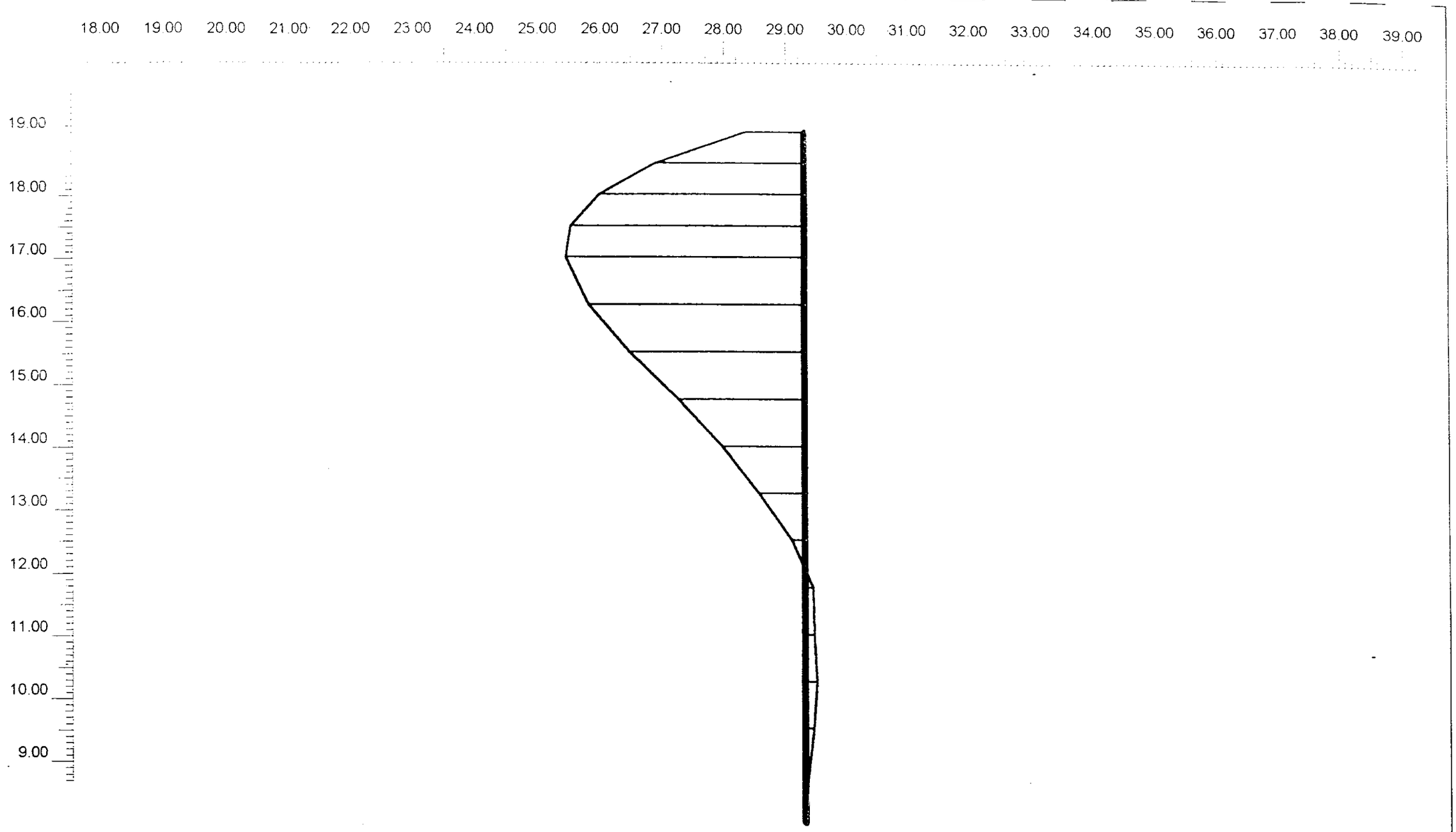
Axial forces
Extreme axial force -138,23 kN/m

PLAXIS
Finite Element Code for Soil and Rock Analyses

Project description
TENOR FLETA_B1(PILOTE DER. FASE 3)

Project name	*Step*	*Date*	*User name*
TENOR FLET...	17	19/03/01	Universidad Politecnica de Madrid

Version 7.1.6.97



Bending moment
Extreme bending moment -23,28 kNm/m

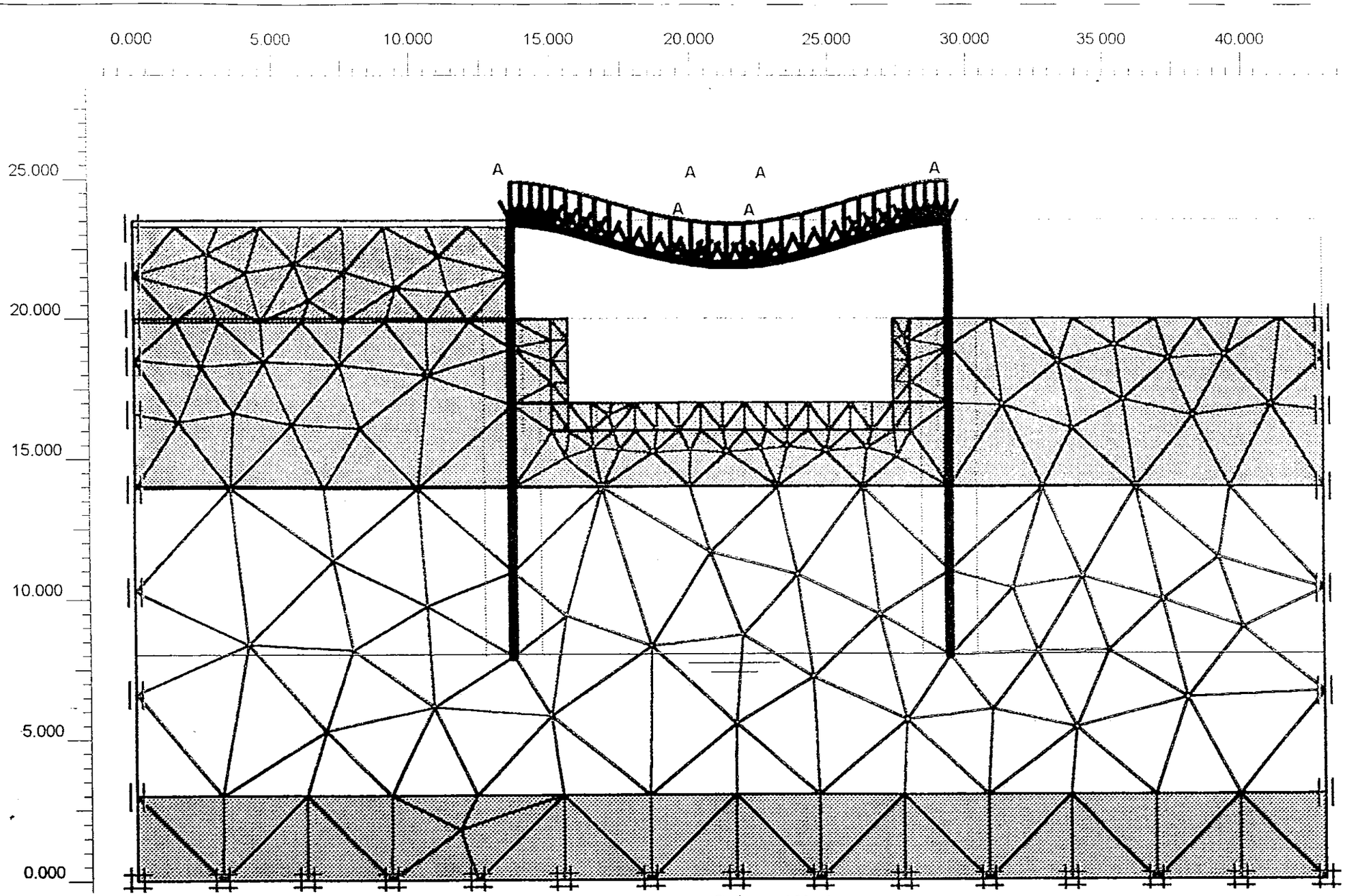
PLAXIS
Finite Element Code for Soil and Rock Analyses

Project description
TENOR FLETA_B1(PILOTE DER. FASE 3)

Project name	*Step*	*Date*	*User name*
TENOR FLET...	17	19/03/01	Universidad Politecnica de Madrid

Version 7.1.6.97

Túnel Tenor Fleta_B1.Fase 4. Gráficos (Sobrecargas en cubierta)



Deformed Mesh

Extreme total displacement $80{,}27*10^{-3}$ m

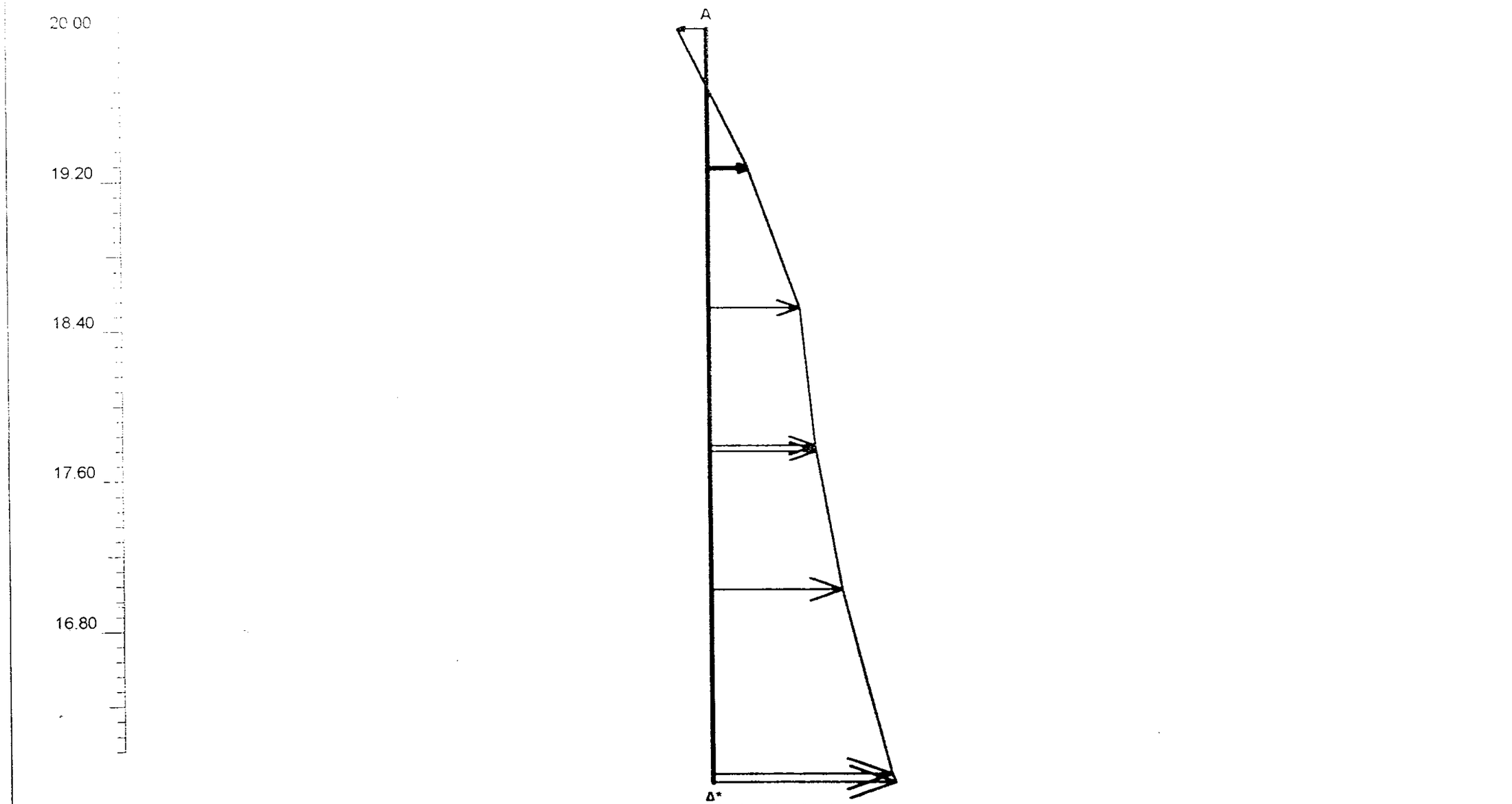
(displacements scaled up 20,00 times)

PLAXIS

Finite Element Code for Soil and Rock Analyses

Version 7.1.6.97

Project description			
TENOR FLETA_B1(FASE 4)			
Project name	*Step*	*Date*	*User name*
TENOR FLET...	25	19/03/01	Universidad Politecnica de Madrid



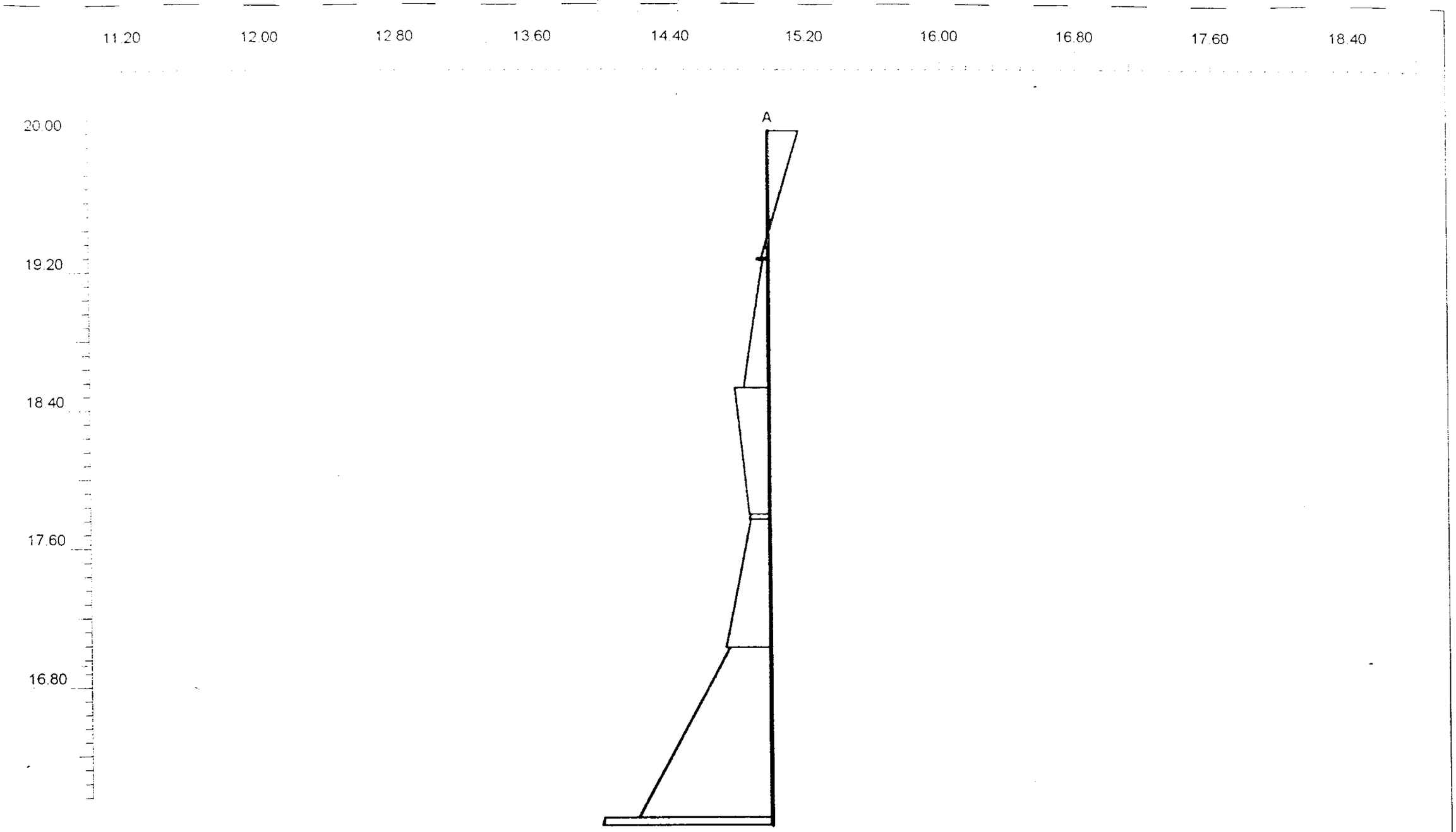
Horizontal displacements

Extreme horizontal displacement $400{,}04 * 10^{-6}$ m

PLAXIS
Finite Element Code for Soil and Rock Analyses

Version 7.1.6.97

Project description			
TENOR FLETA_B1(MURO IZQ.FASE 4)			
Project name	**Step**	**Date**	**User name**
TENOR FLET...	25	19/03/01	Universidad Politecnica de Madrid



Δ*

Effective normal stresses

Extreme effective normal stress -36,82 kN/m^2

PLAXIS

Finite Element Code for Soil and Rock Analyses

Project description

TENOR FLETA_B1(MURO IZQ.FASE 4)

Project name	*Step*	*Date*	*User name*
TENOR FLET...	25	19/03/01	Universidad Politecnica de Madrid

Version 7.1.6.97

Plaxis - Finite Element Code for Soil and Rock Analyses

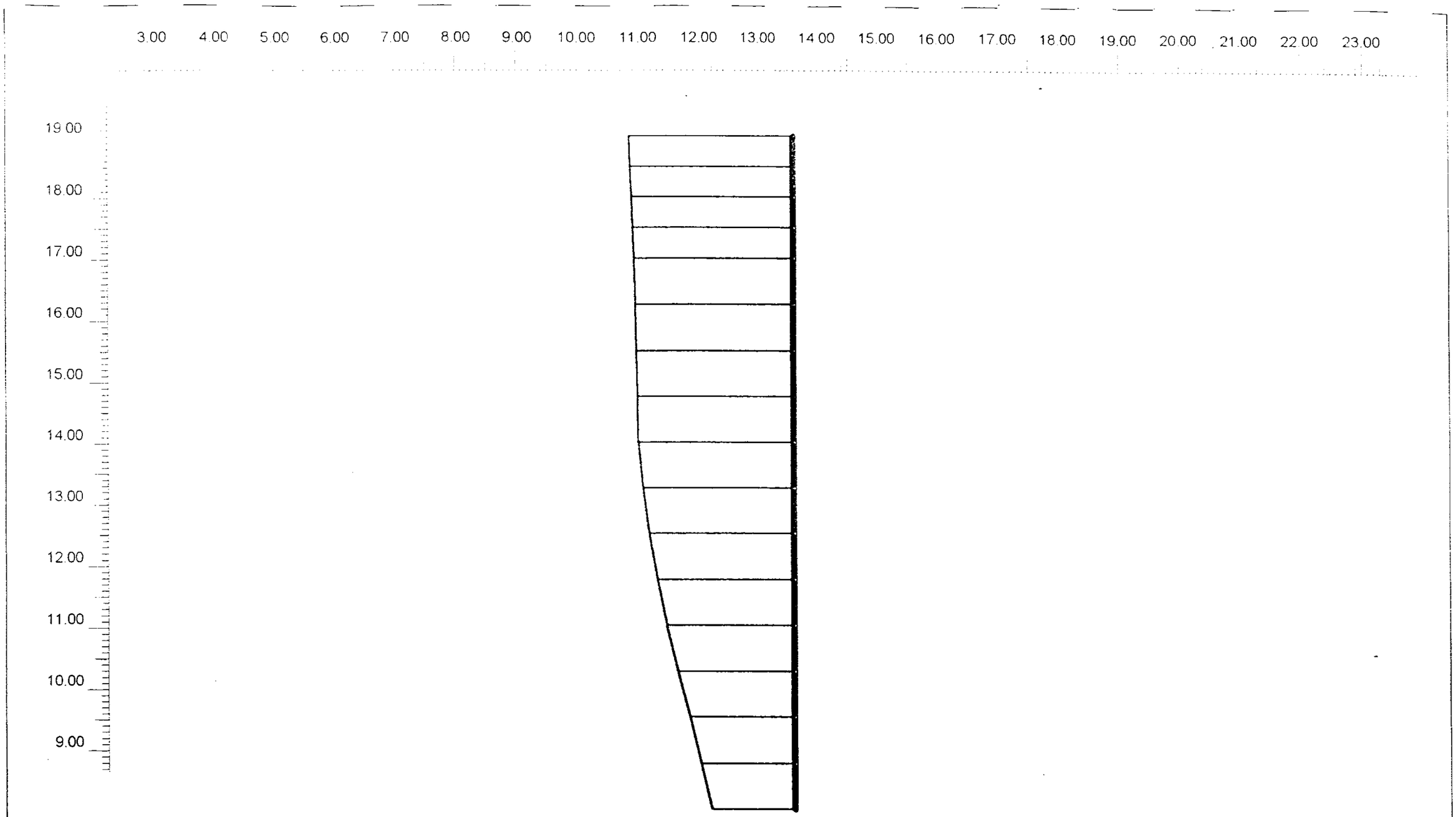
Project description : TENOR FLETA$_{B1(MURO\ IZQ.\ PRESIONES.FASE\ 4)}$ **Date : 19/03/01**

User name : Universidad Politecnica de Madrid

Project name : TENOR FLETA_B1

Output : Cross section table Step : 25 **Page : 1**

X [m]	Y [m]	σ'_N [kN/m^2]
14,979	20,000	6,791
14,979	19,261	-1,524
14,979	19,261	-2,408
14,979	19,246	-2,551
14,979	19,246	-1,247
14,979	18,508	-5,544
14,979	18,508	-7,583
14,979	17,769	-4,480
14,979	17,769	-4,116
14,979	17,739	-4,409
14,979	17,739	-4,140
14,979	17,000	-9,913
14,979	17,000	-9,154
14,979	16,015	-29,072
14,979	16,015	-36,482
14,979	15,970	-36,819



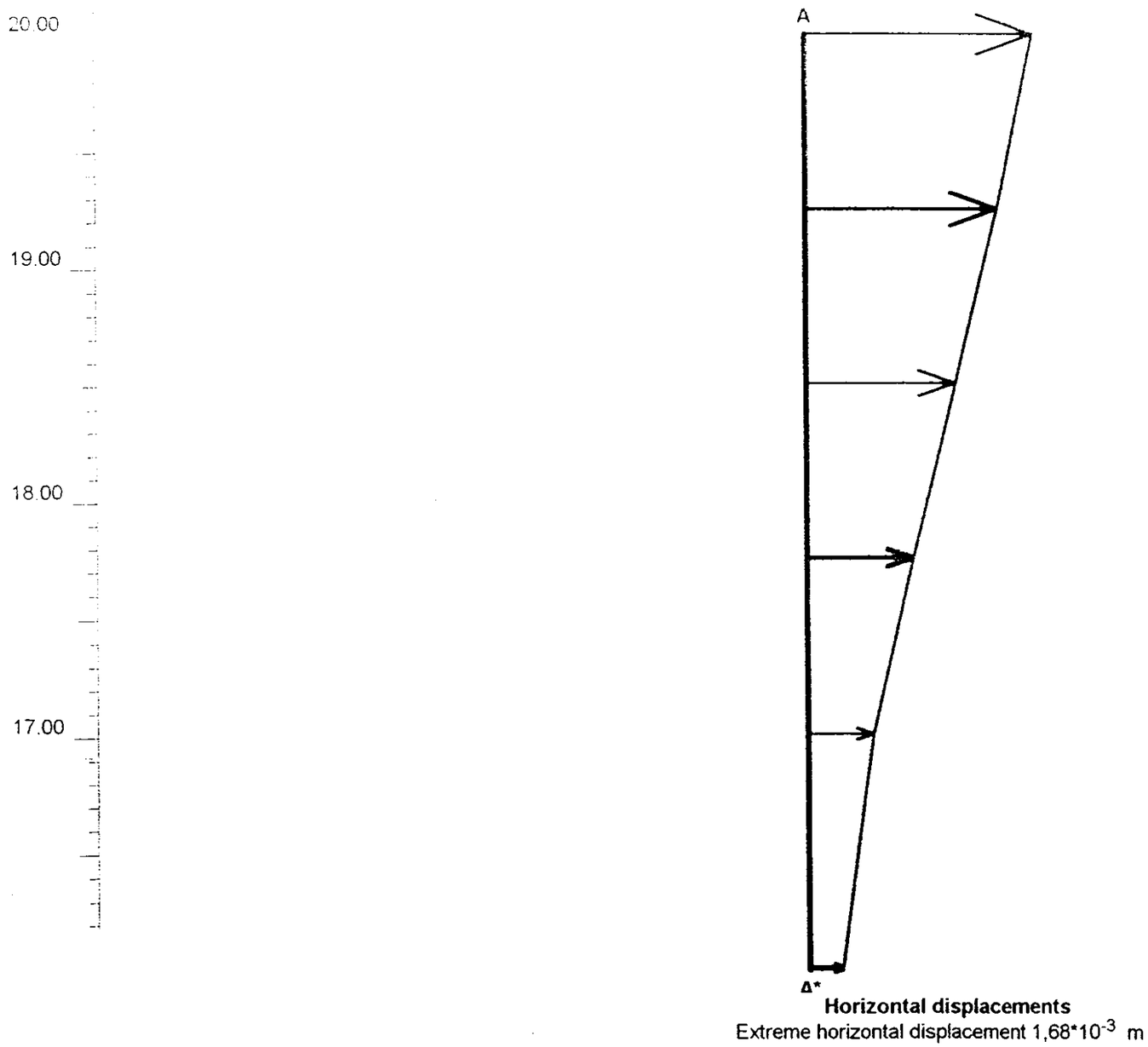
Axial forces
Extreme axial force -383,60 kN/m

PLAXIS
Finite Element Code for Soil and Rock Analyses

Project description
TENOR FLETA_B1 (PILOTE IZQ.FASE 4)

Project name	*Step*	*Date*	*User name*
TENOR FLET...	25	19/03/01	Universidad Politecnica de Madrid

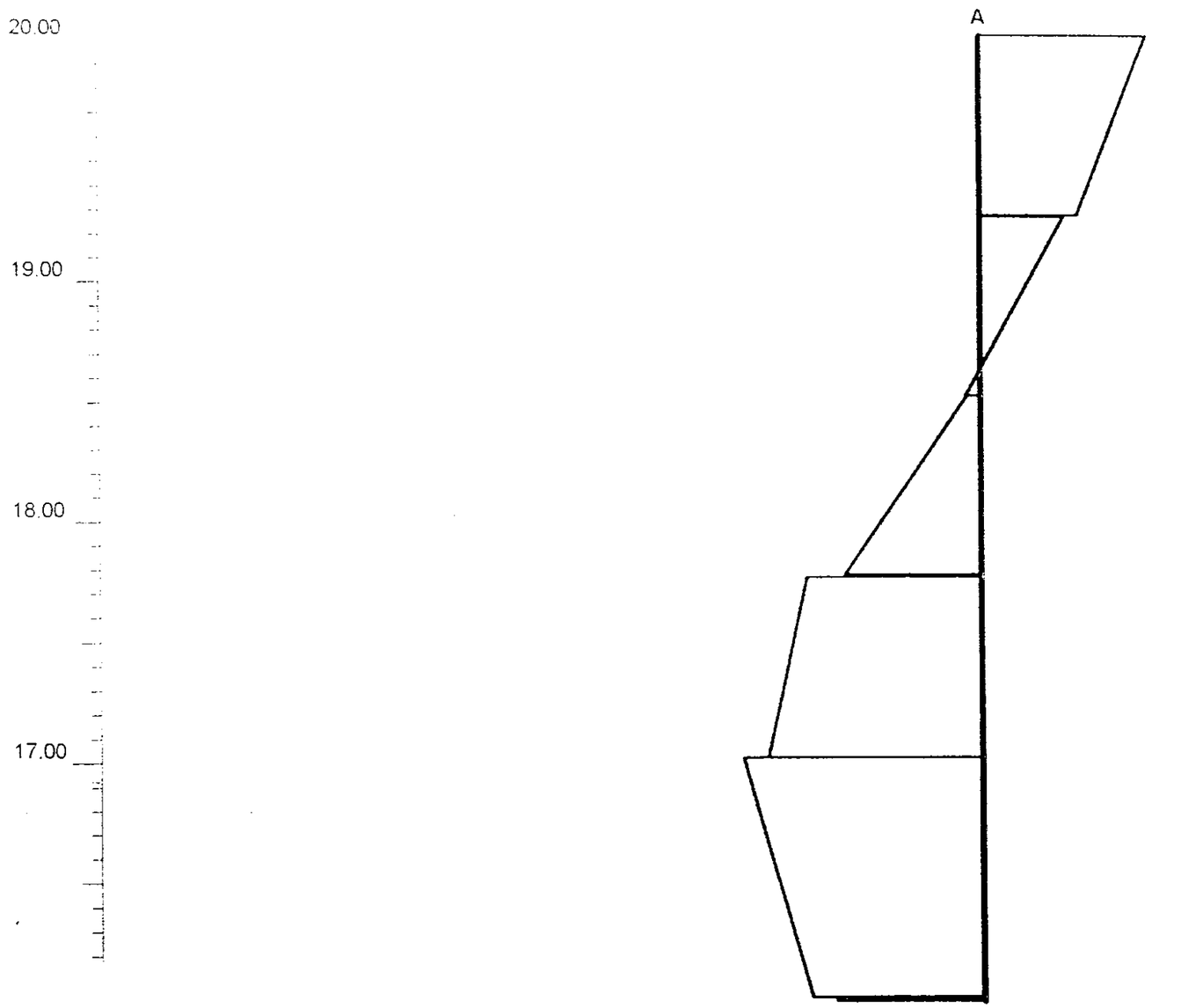
Version 7.1.6.97



Horizontal displacements
Extreme horizontal displacement $1{,}68*10^{-3}$ m

PLAXIS Finite Element Code for Soil and Rock Analyses	*Project description* TENOR FLETA_B1(MURO DER. FASE4)			
	Project name TENOR FLET...	*Step* 25	*Date* 19/03/01	*User name* Universidad Politecnica de Madrid

Version 7.1.6.97



Effective normal stresses

Extreme effective normal stress -10,11 kN/m^2

PLAXIS Finite Element Code for Soil and Rock Analyses	*Project description* TENOR FLETA_B1(MURO DER. FASE4)			
	Project name TENOR FLET...	*Step* 25	*Date* 19/03/01	*User name* Universidad Politecnica de Madrid

Version 7.1.6.97

Plaxis - Finite Element Code for Soil and Rock Analyses

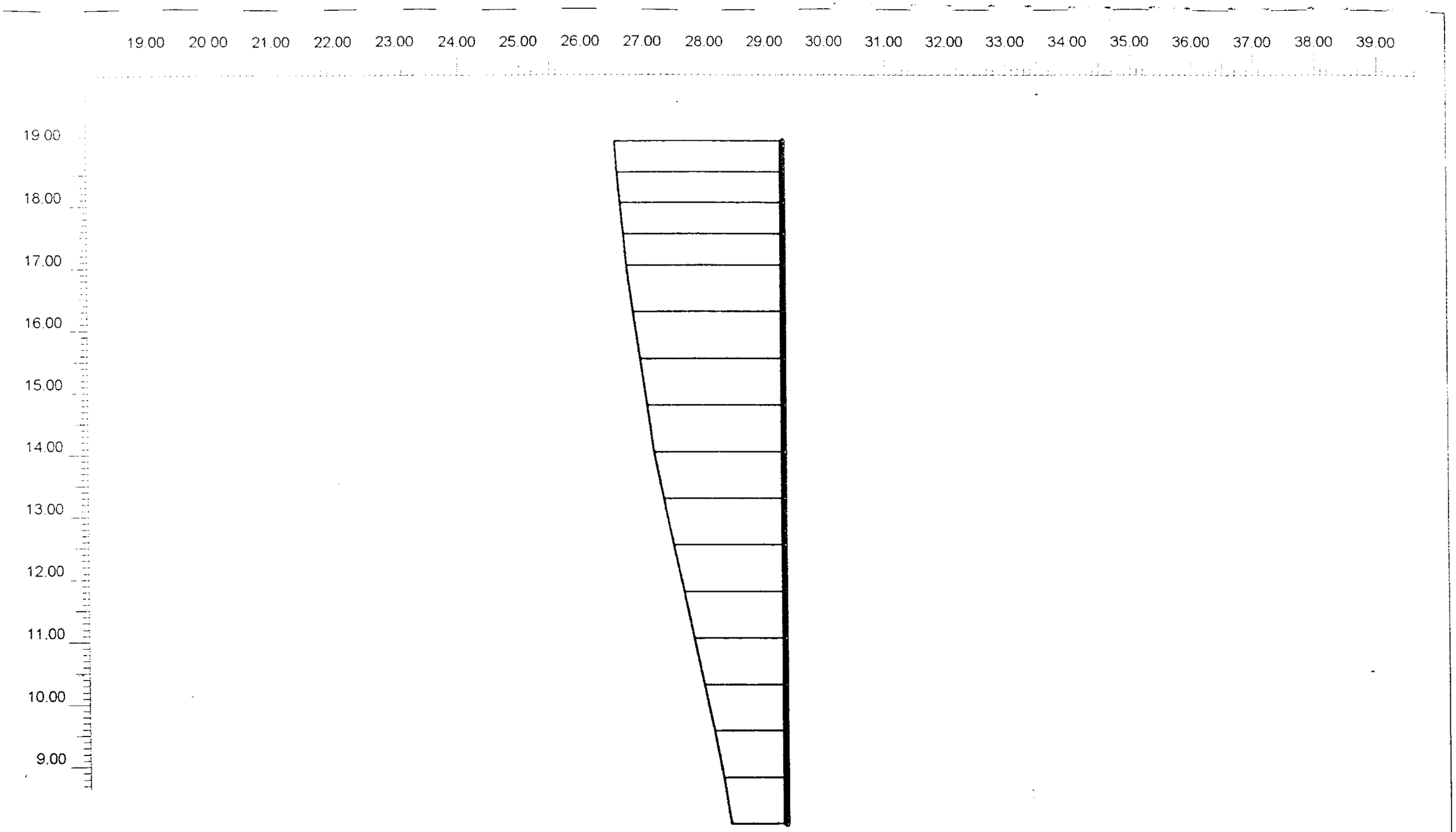
Project description : TENOR FLETA$_{B1}$(MURO DER. PRESIONES. FASE 4) Date : 19/03/01

User name : Universidad Politecnica de Madrid

Project name : TENOR FLETA_B1

Output : Cross section table Step : 25 Page : 1

X [m]	Y [m]	σ'_N [kN/m^2]
27,907	20,000	7,201
27,907	19,254	4,145
27,907	19,254	0,906
27,907	19,249	0,939
27,907	19,249	3,563
27,907	18,503	-0,635
27,907	18,503	-0,581
27,907	17,757	-5,751
27,907	17,757	-5,118
27,907	17,746	-5,155
27,907	17,746	-7,393
27,907	17,000	-9,084
27,907	17,000	-10,112
27,907	16,005	-7,253
27,907	16,005	-6,003
27,907	15,989	-6,245



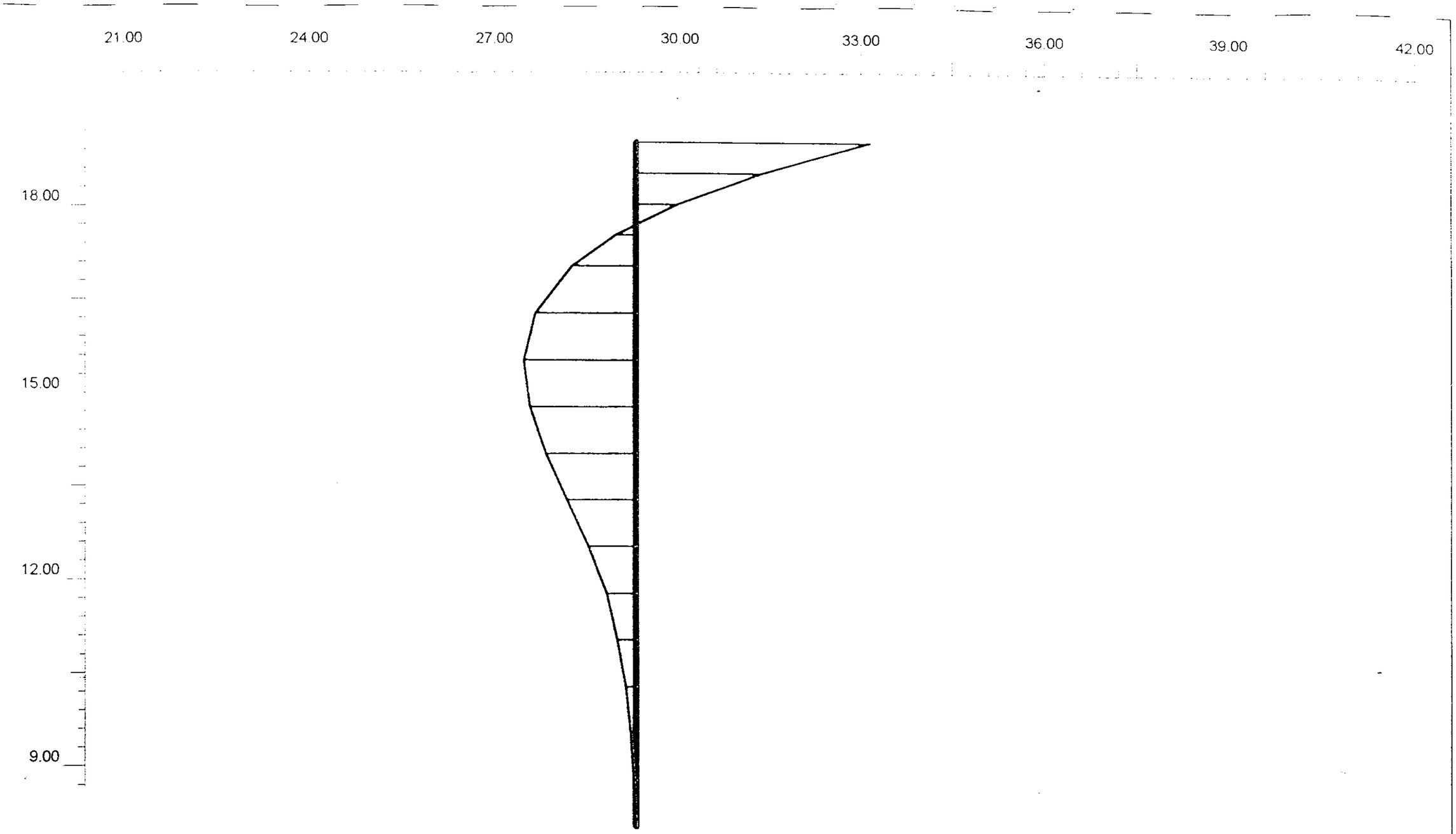
Axial forces
Extreme axial force -366,89 kN/m

PLAXIS
Finite Element Code for Soil and Rock Analyses

Project description
TENOR FLETA_B1(PILOTE DER.FASE 4)

Project name	*Step*	*Date*	*User name*
TENOR FLET...	25	19/03/01	Universidad Politecnica de Madrid

Version 7.1.6.97



Bending moment
Extreme bending moment 112,50 kNm/m

PLAXIS
Finite Element Code for Soil and Rock Analyses

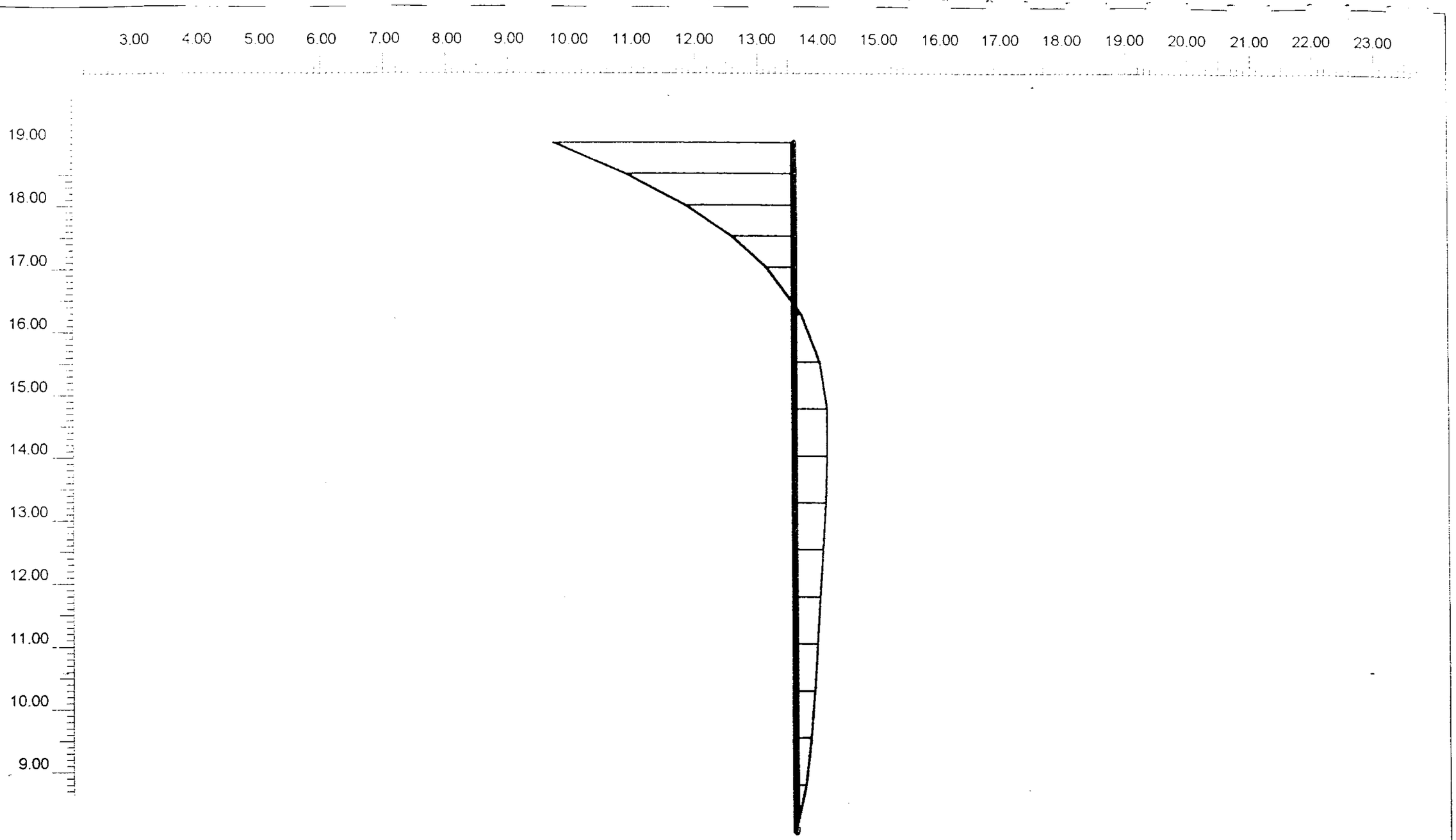
Project description
TENOR FLETA_B1(PILOTE DER. FASE 4)

Project name	*Step*	*Date*	*User name*
TENOR FLET...	25	19/03/01	Universidad Politecnica de Madrid

Version 7.1.6.97

TENOR FLETA_B1

FASE 5. GRÁFICOS (DEMOLICIÓN DE MUROS)



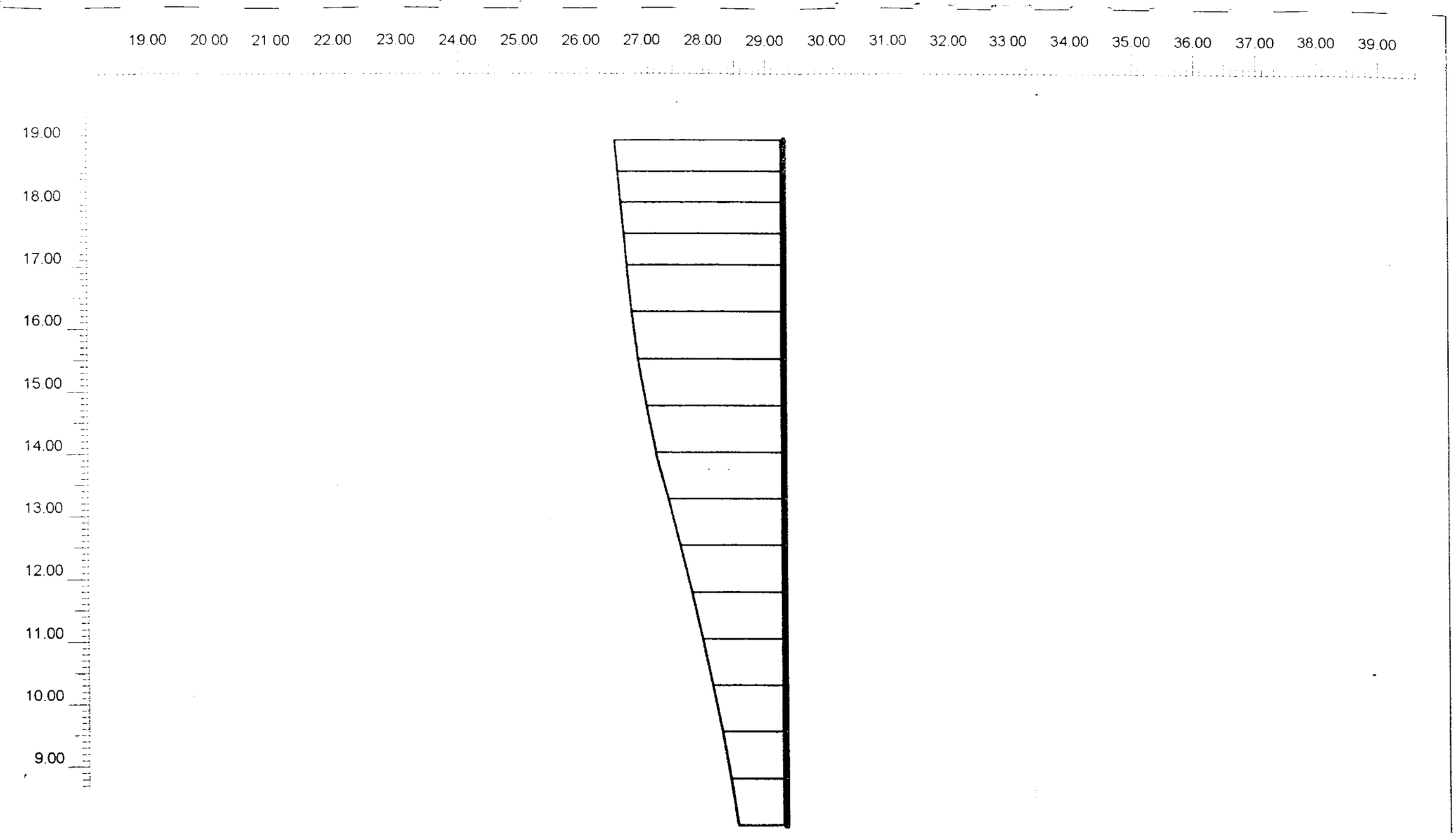
Bending moment

Extreme bending moment -164,98 kNm/m

PLAXIS
Finite Element Code for Soil and Rock Analyses

Version 7.1.6.97

Project description			
TENOR FLETA_B1 (PILOTE IZQ.FASE 4)			
Project name	*Step*	*Date*	*User name*
TENOR FLET...	25	19/03/01	Universidad Politecnica de Madrid



Axial forces

Extreme axial force -364,98 kN/m

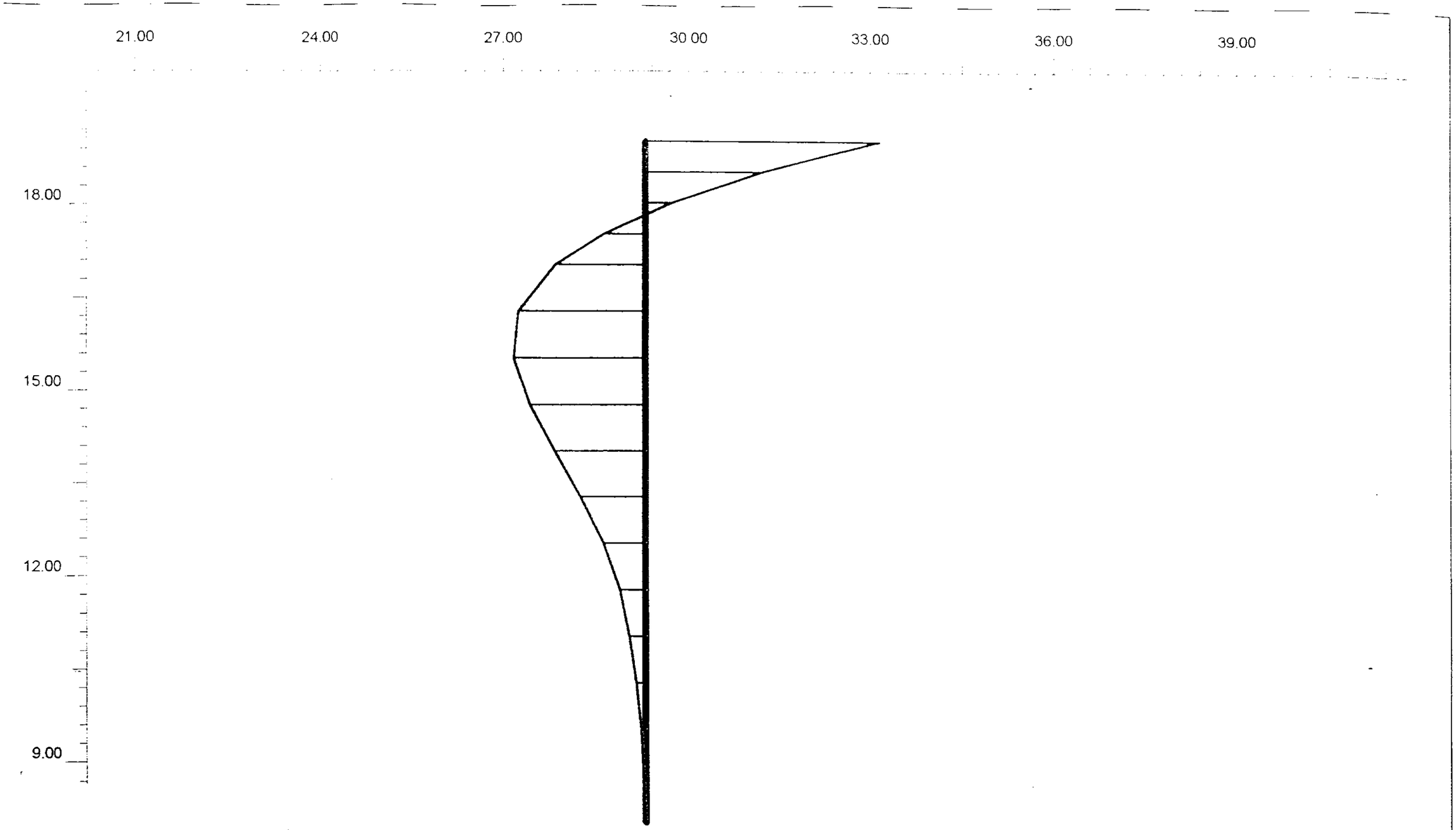
PLAXIS
Finite Element Code for Soil and Rock Analyses

Version 7.1.6.97

Project description

TENOR FLETA_B1(PILOTE DER.FASE 5)

Project name	*Step*	*Date*	*User name*
TENOR FLET...	30	19/03/01	Universidad Politecnica de Madrid



Bending moment
Extreme bending moment 111,01 kNm/m

PLAXIS
Finite Element Code for Soil and Rock Analyses

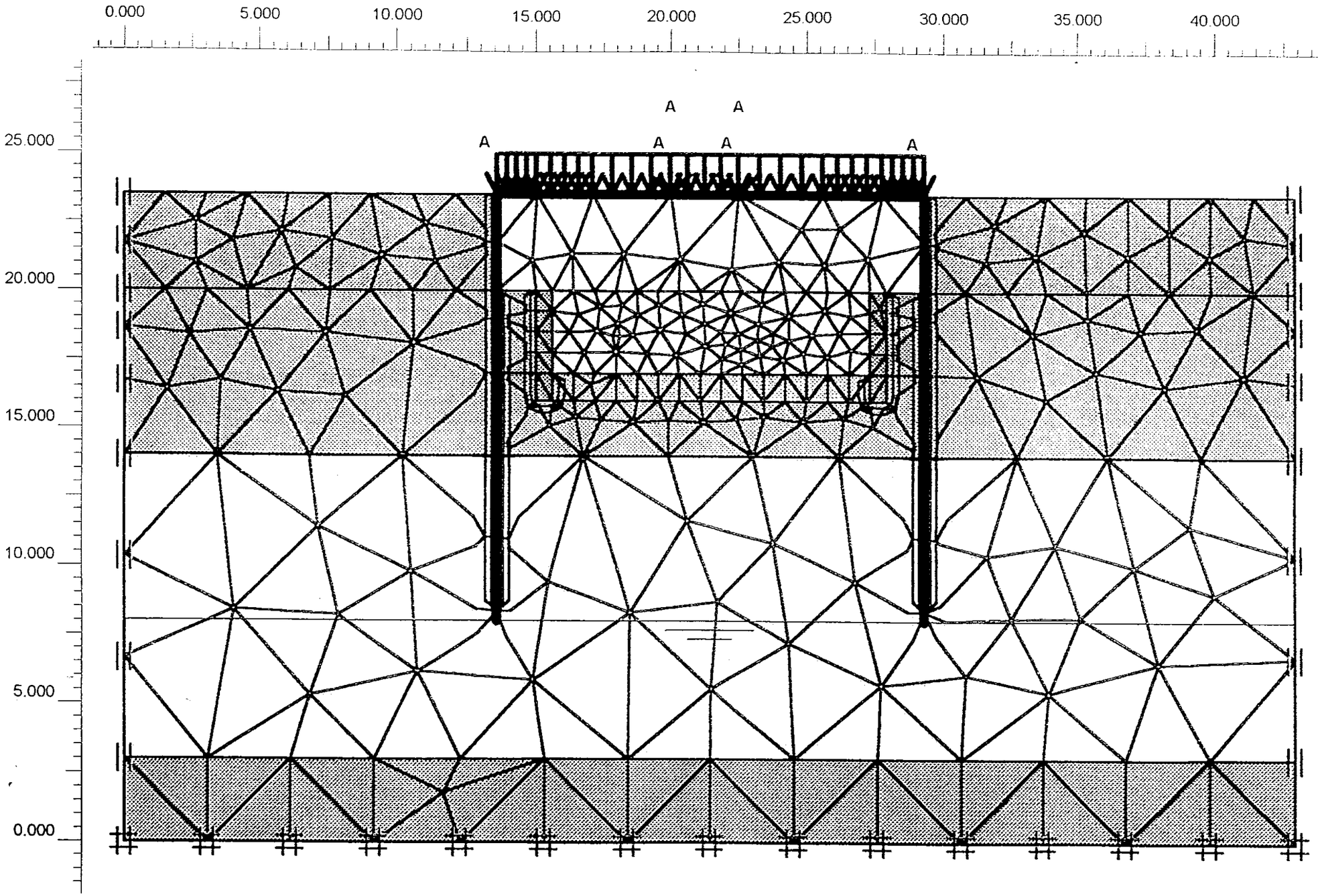
Project description
TENOR FLETA_B1(PILOTE DER.FASE 5)

Project name	*Step*	*Date*	*User name*
TENOR FLET...	30	19/03/01	Universidad Politecnica de Madrid

Version 7.1.6.97

TENOR FLETA_B2

MALLA DE ELEMENTOS FINITOS
MATERIALES



Connectivities

PLAXIS
Finite Element Code for Soil and Rock Analyses

Version 7.1.6.97

Project description			
TENOR FLETA_B2			
Project name	*Step*	*Date*	*User name*
TENOR FLET...	17	19/03/01	Universidad Politecnica de Madrid

Plaxis - Finite Element Code for Soil and Rock Analyses

Project description : TENOR FLETA$_{B2}$ Date : 19/03/01

User name : Universidad Politecnica de Madrid

Project name : TENOR FLETA_B2

Output : Soil and Interfaces Info - Mohr-Coulomb Step : 17 Page : 1

Identification	Type	γ_{dry} [kN/m^3]	γ_{wet} [kN/m^3]	k_x [m/day]	k_y [m/day]	ν' [-]	E_{ref} [kN/m^2]	c_{ref} [kN/m^2]	φ [°]
GRAVA ARENOSA	Drained	20,0	20,0	0,0000	0,0000	0,25	1,2E5	5,0	38,0
RELLENO	Drained	19,5	19,5	0,0000	0,0000	0,30	20000,0	0,2	33,0
MARGA YESIFERA	Drained	20,5	21,0	0,0000	0,0000	0,30	2E5	30,0	28,0
EXPLANADA	Drained	20,0	20,0	0,0000	0,0000	0,25	1,5E5	5,0	40,0
TERRAZA	Drained	20,0	20,0	0,0000	0,0000	0,25	1,8E5	5,0	40,0

Plaxis - Finite Element Code for Soil and Rock Analyses

Project description : TENOR FLETA$_{B2}$ Date : 19/03/01

User name : Universidad Politecnica de Madrid

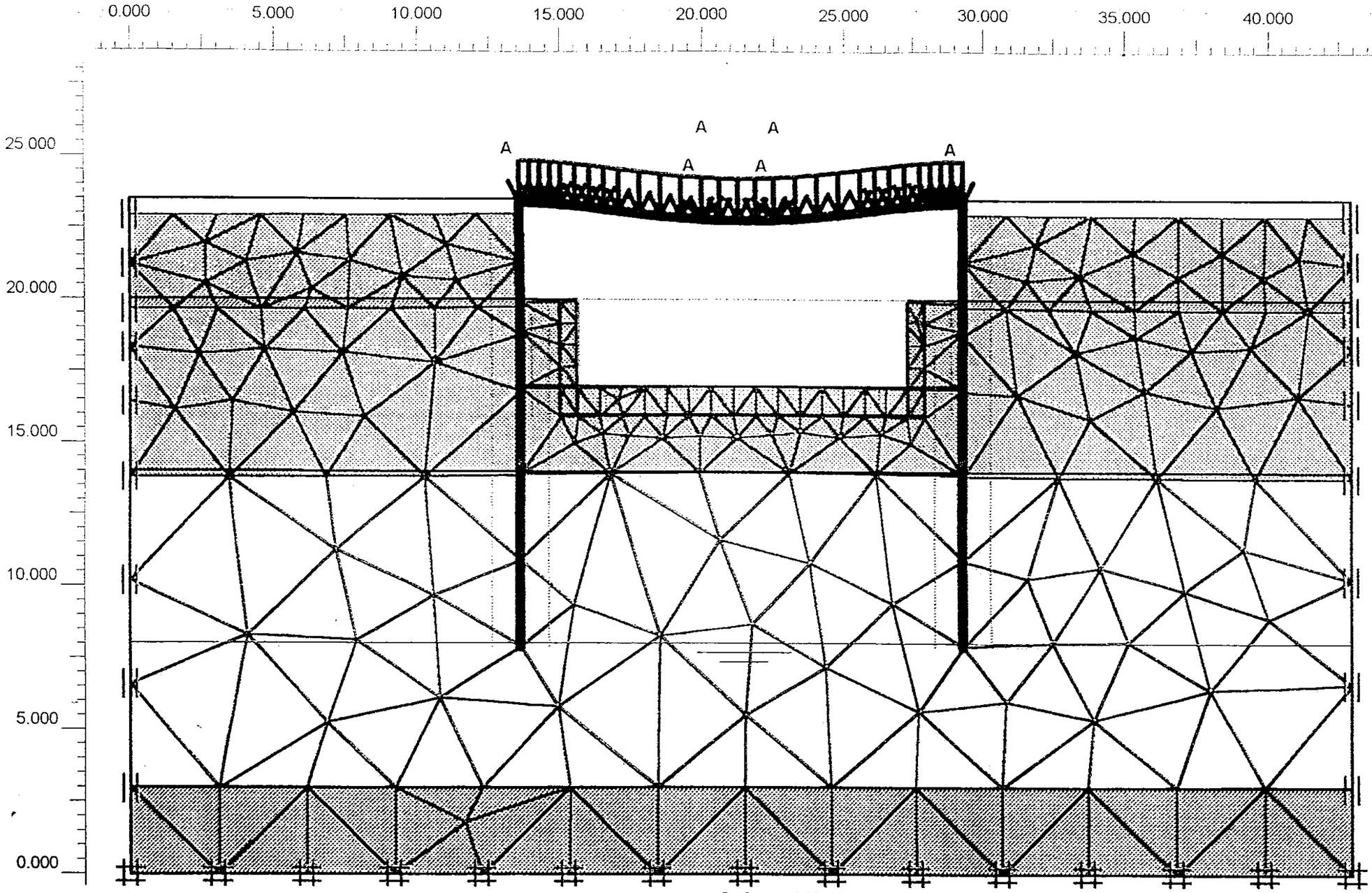
Project name : TENOR FLETA_B2

Output : Soil and Interfaces Info - Mohr-Coulomb Step : 17 Page : 2

Identification	ψ [°]	E_{incr} [kN/m^3]	c_{incr} [kN/m^3]	y_{ref} [m]	T-Strength [kN/m^2]	R_{inter} [-]	Interface Permeability [-]
GRAVA ARENOSA	0,0	0,0	0,0	0,0	1E10	0,60	Neutral
RELLENO	0,0	0,0	0,0	0,0	1E10	0,60	Neutral
MARGA YESIFERA	0,0	0,0	0,0	0,0	0,0	0,50	Neutral
EXPLANADA	0,0	0,0	0,0	0,0	1E10	0,60	Neutral
TERRAZA	0,0	0,0	0,0	0,0	0,0	0,60	Neutral

TENOR FLETA_B2

FASE 3. GRÁFICOS (RELLENO DE TIERRAS EN AMBOS LADOS)



Deformed Mesh

Extreme total displacement $15{,}01 * 10^{-3}$ m

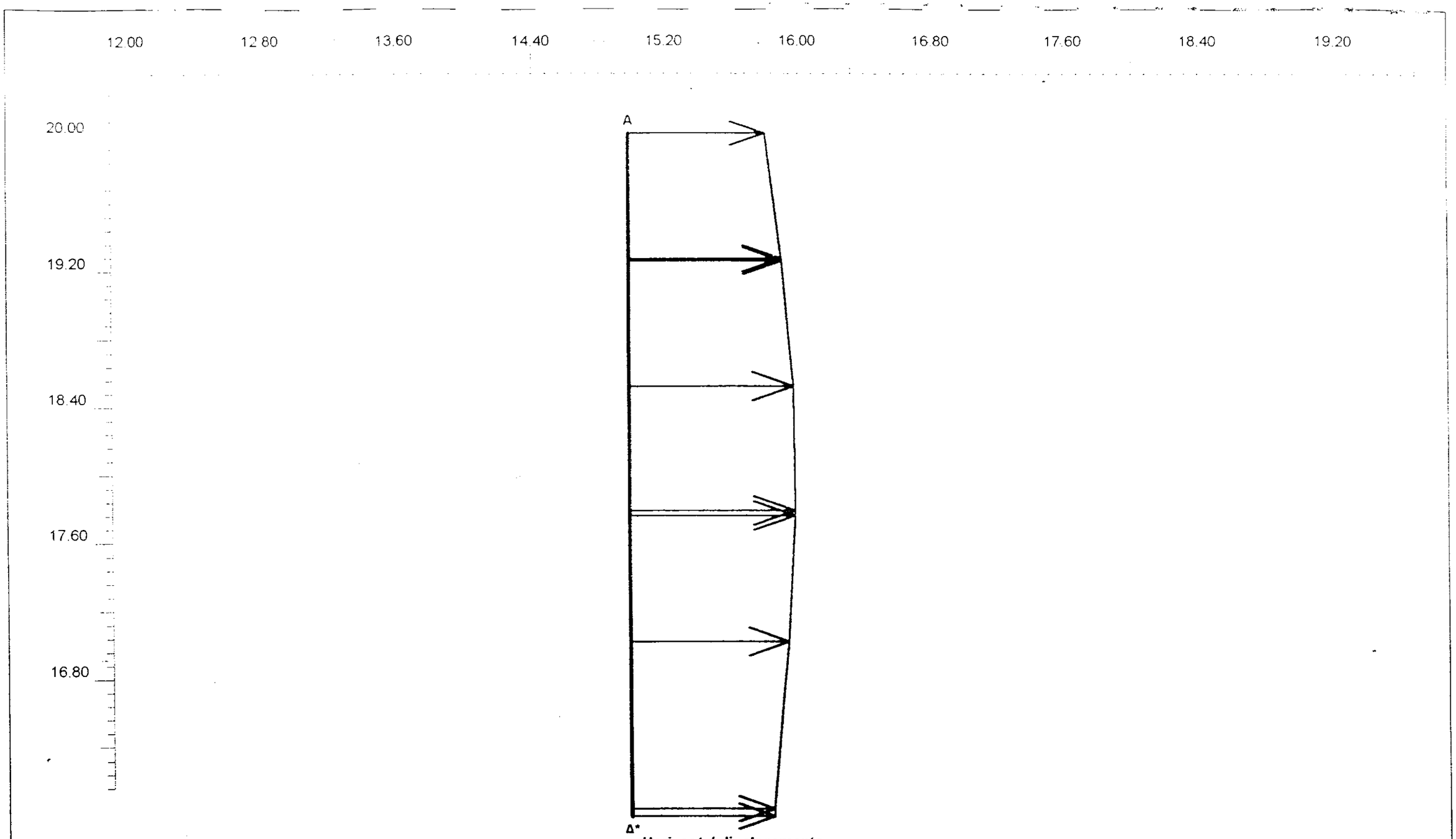
(displacements scaled up 50,00 times)

PLAXIS

Finite Element Code for Soil and Rock Analyses

Version 7.1.6.97

Project description			
TENOR FLETA_B2 (FASE3)			
Project name	*Step*	*Date*	*User name*
TENOR FLET...	17	19/03/01	Universidad Politecnica de Madrid

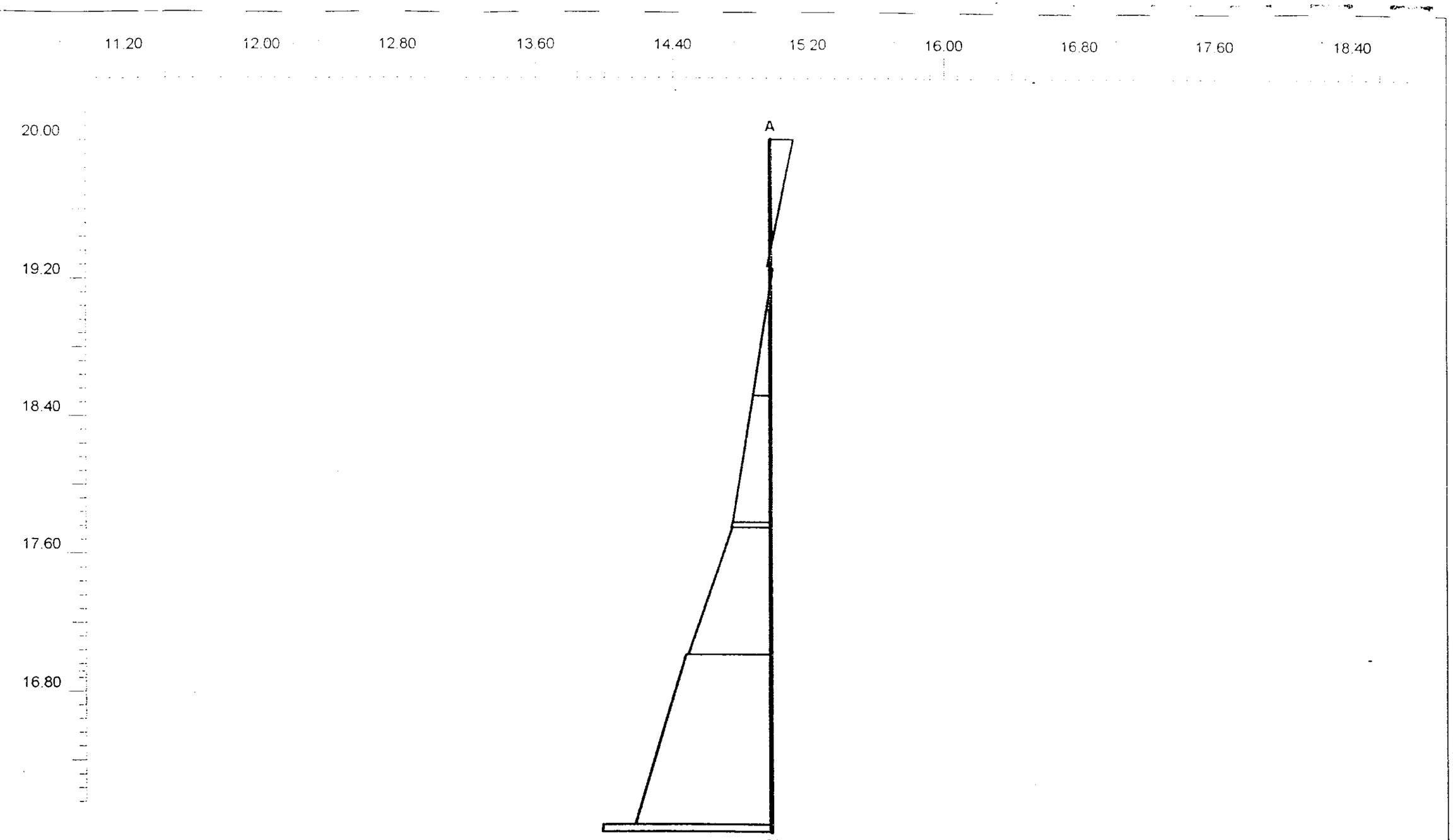


Horizontal displacements

Extreme horizontal displacement $961{,}71*10^{-6}$ m

PLAXIS Finite Element Code for Soil and Rock Analyses	*Project description* TENOR FLETA_B2 (MURO IZQ.FASE3)			
	Project name TENOR FLET...	*Step* 17	*Date* 19/03/01	*User name* Universidad Politecnica de Madrid

Version 7.1.6.97



Effective normal stresses
Extreme effective normal stress -46,89 kN/m^2

PLAXIS
Finite Element Code for Soil and Rock Analyses

Project description
TENOR FLETA_B2 (MURO IZQ.FASE3)

Project name	*Step*	*Date*	*User name*
TENOR FLET...	17	19/03/01	Universidad Politecnica de Madrid

Version 7.1.6.97

Plaxis - Finite Element Code for Soil and Rock Analyses

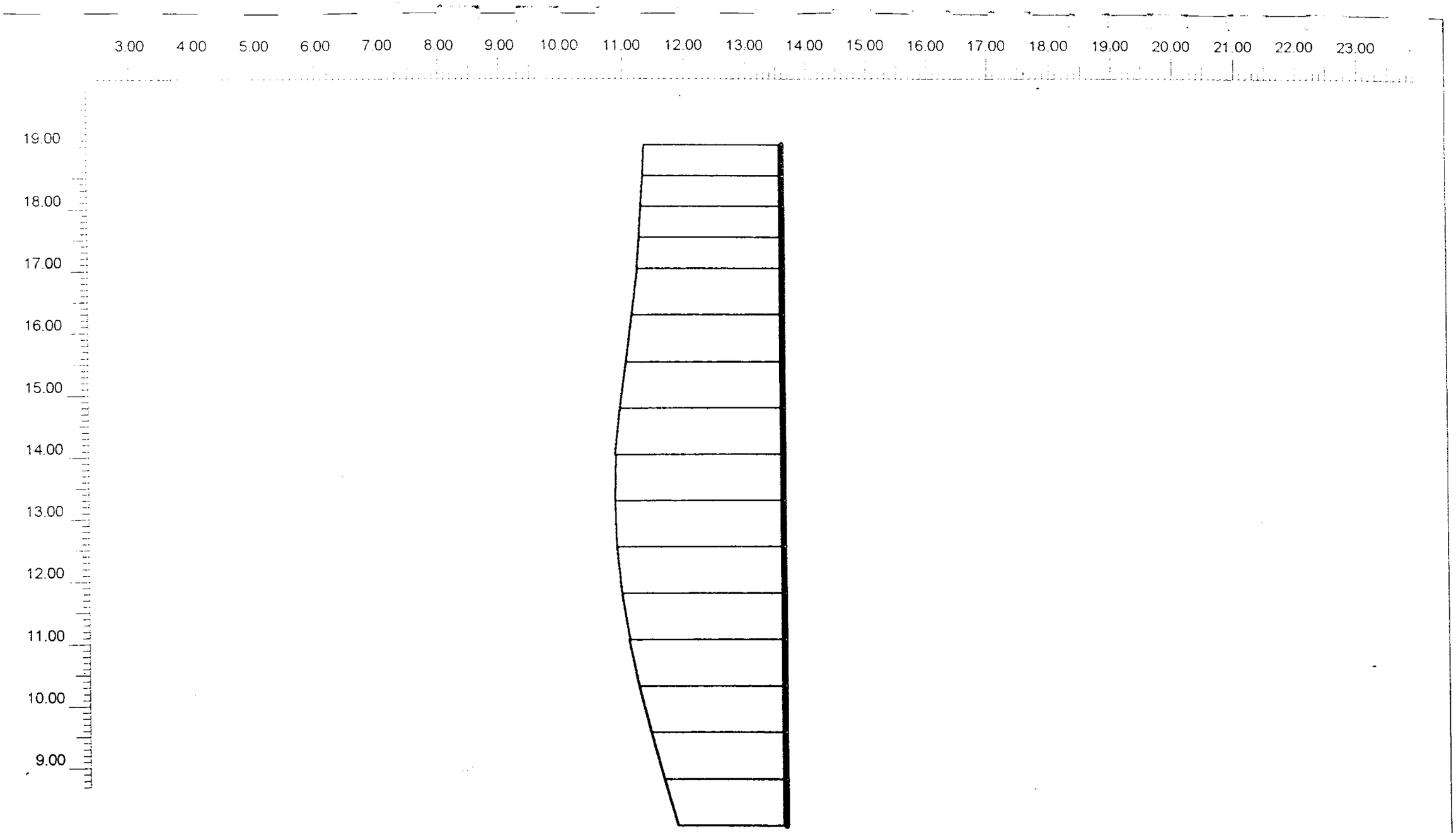
Project description : TENOR FLETA$_{B2(MURO\ IZQ.\ PRESIONES.\ FASE\ 3)}$ Date : **19/03/01**

User name : Universidad Politecnica de Madrid

Project name : TENOR FLETA_B2

Output : Cross section table Step : 17 **Page : 1**

X [m]	Y [m]	σ'_N [kN/m^2]
14,981	20,000	6,482
14,981	19,260	-0,771
14,981	19,260	0,082
14,981	19,247	0,040
14,981	19,247	0,739
14,981	18,507	-4,808
14,981	18,507	-4,861
14,981	17,767	-10,569
14,981	17,767	-10,655
14,981	17,740	-10,932
14,981	17,740	-10,660
14,981	17,000	-23,155
14,981	17,000	-23,746
14,981	16,013	-37,777
14,981	16,013	-46,721
14,981	15,973	-46,900



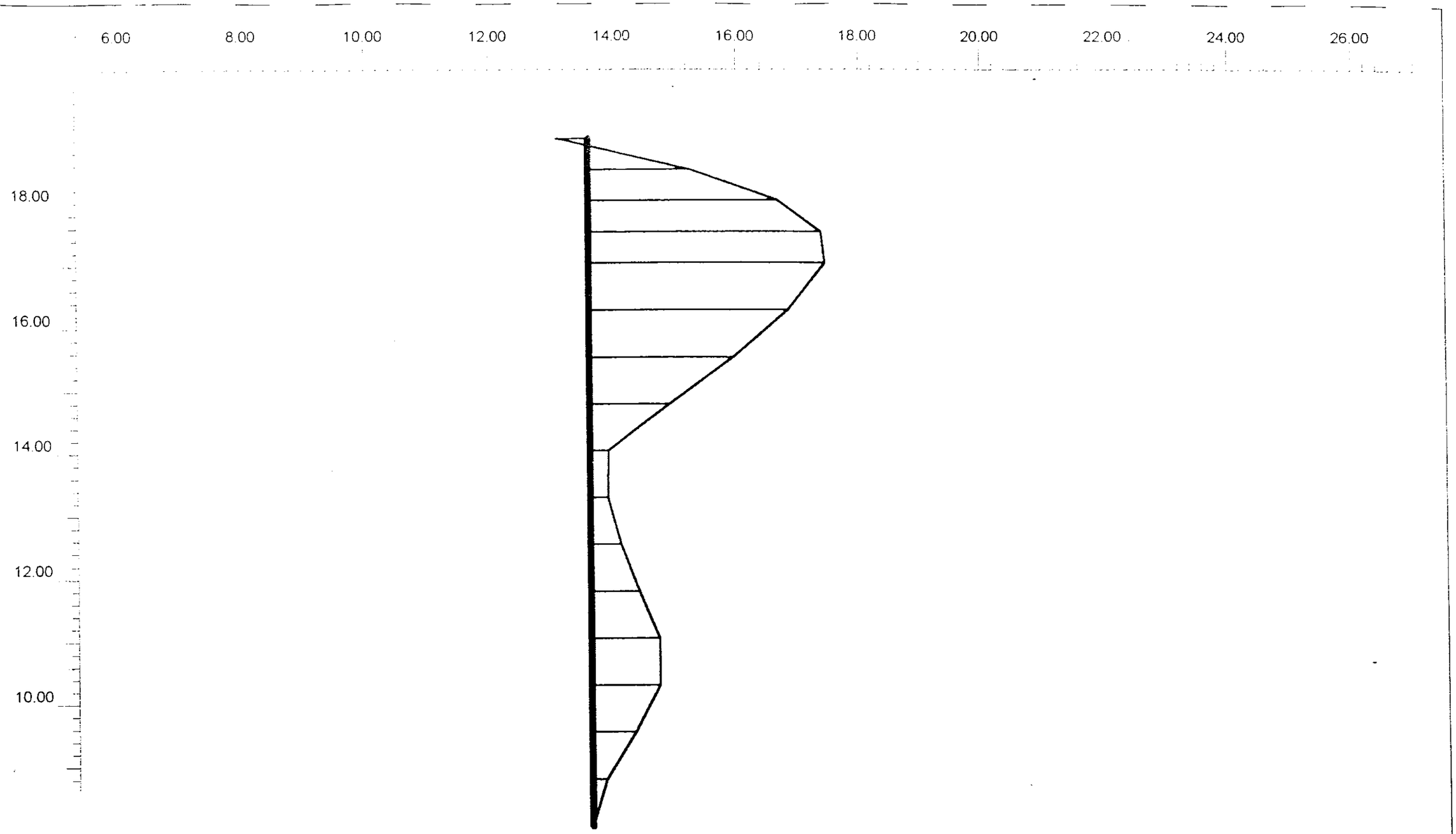
Axial forces

Extreme axial force -188,58 kN/m

PLAXIS
Finite Element Code for Soil and Rock Analyses

Version 7.1.6.97

Project description			
TENOR FLETA_B2 (PILOTE IZQ.FASE3)			
Project name	*Step*	*Date*	*User name*
TENOR FLET...	17	19/03/01	Universidad Politecnica de Madrid



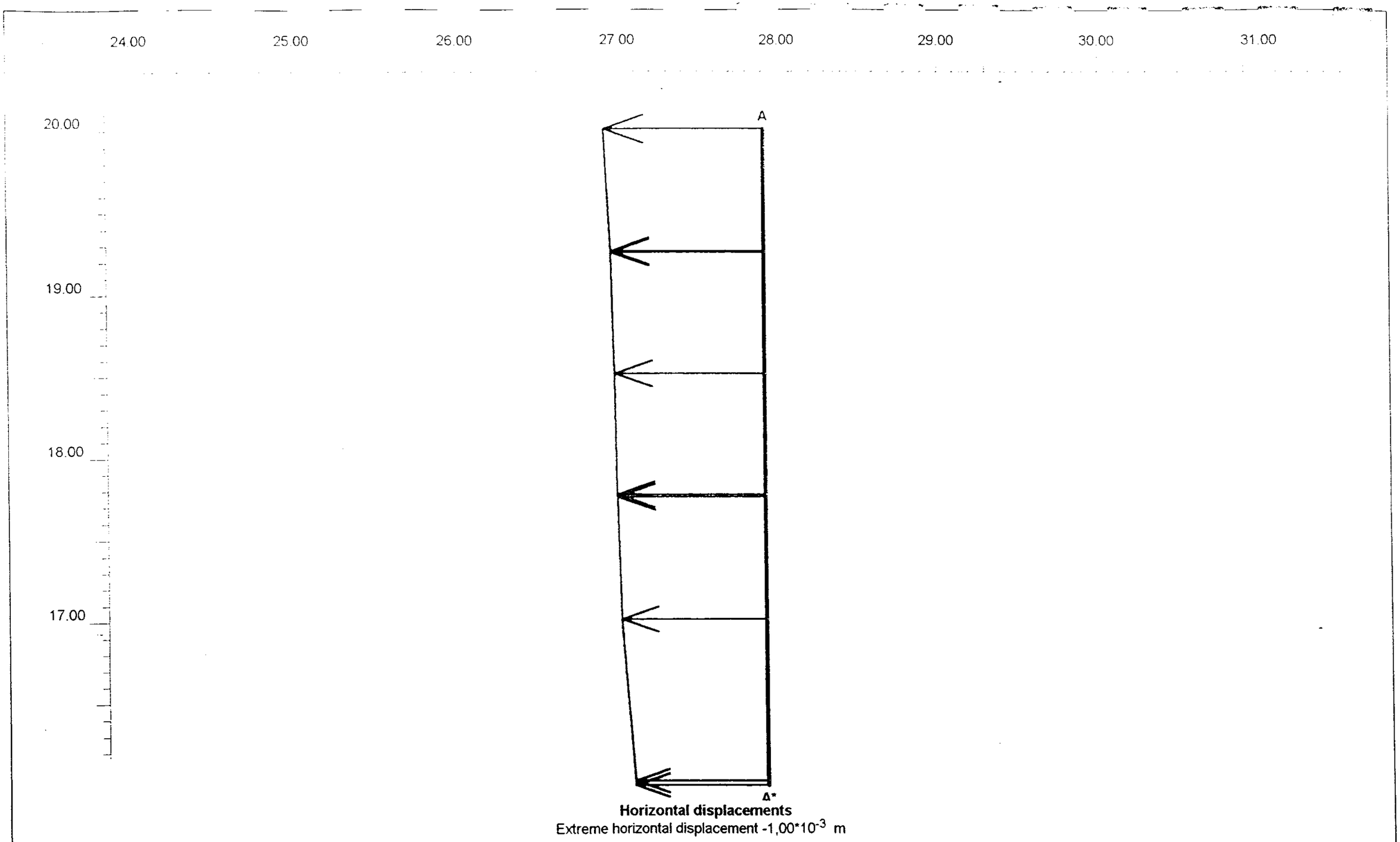
Bending moment
Extreme bending moment 12,50 kNm/m

PLAXIS
Finite Element Code for Soil and Rock Analyses

Project description
TENOR FLETA_B2 (PILOTE IZQ.FASE3)

Project name	*Step*	*Date*	*User name*
TENOR FLET...	17	19/03/01	Universidad Politecnica de Madrid

Version 7.1.6.97



Horizontal displacements

Extreme horizontal displacement -1,00*10^{-3} m

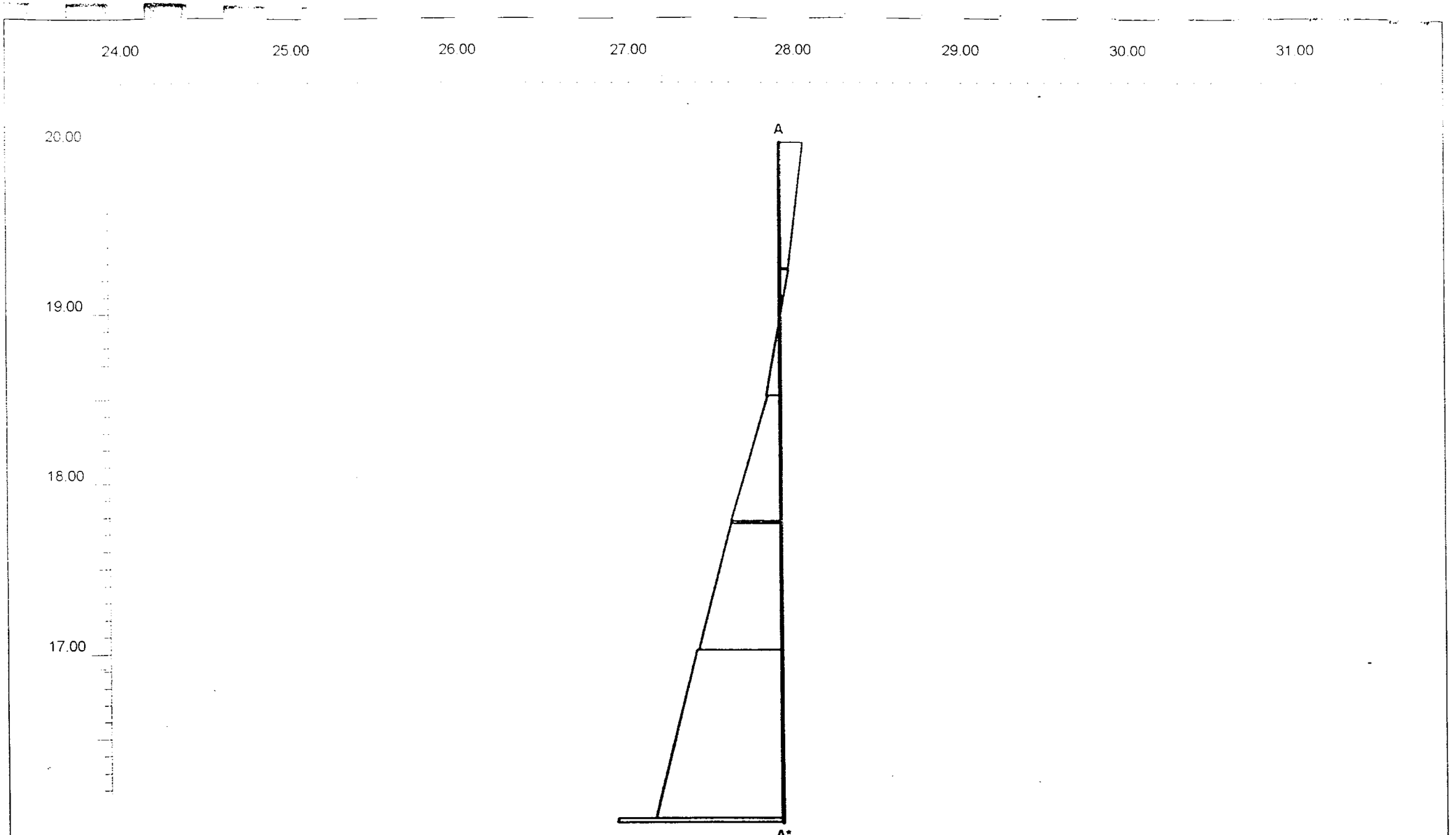
PLAXIS
Finite Element Code for Soil and Rock Analyses

Project description

TENOR FLETA_B2 (MURO DER.FASE 3)

Project name	*Step*	*Date*	*User name*
TENOR FLET...	17	19/03/01	Universidad Politecnica de Madrid

Version 7.1.6.97



Effective normal stresses
Extreme effective normal stress -46,58 kN/m^2

PLAXIS
Finite Element Code for Soil and Rock Analyses

Project description
TENOR FLETA_B2 (MURO DER.FASE 3)

Project name	*Step*	*Date*	*User name*
TENOR FLET...	17	19/03/01	Universidad Politecnica de Madrid

Version 7.1.6.97

Plaxis - Finite Element Code for Soil and Rock Analyses

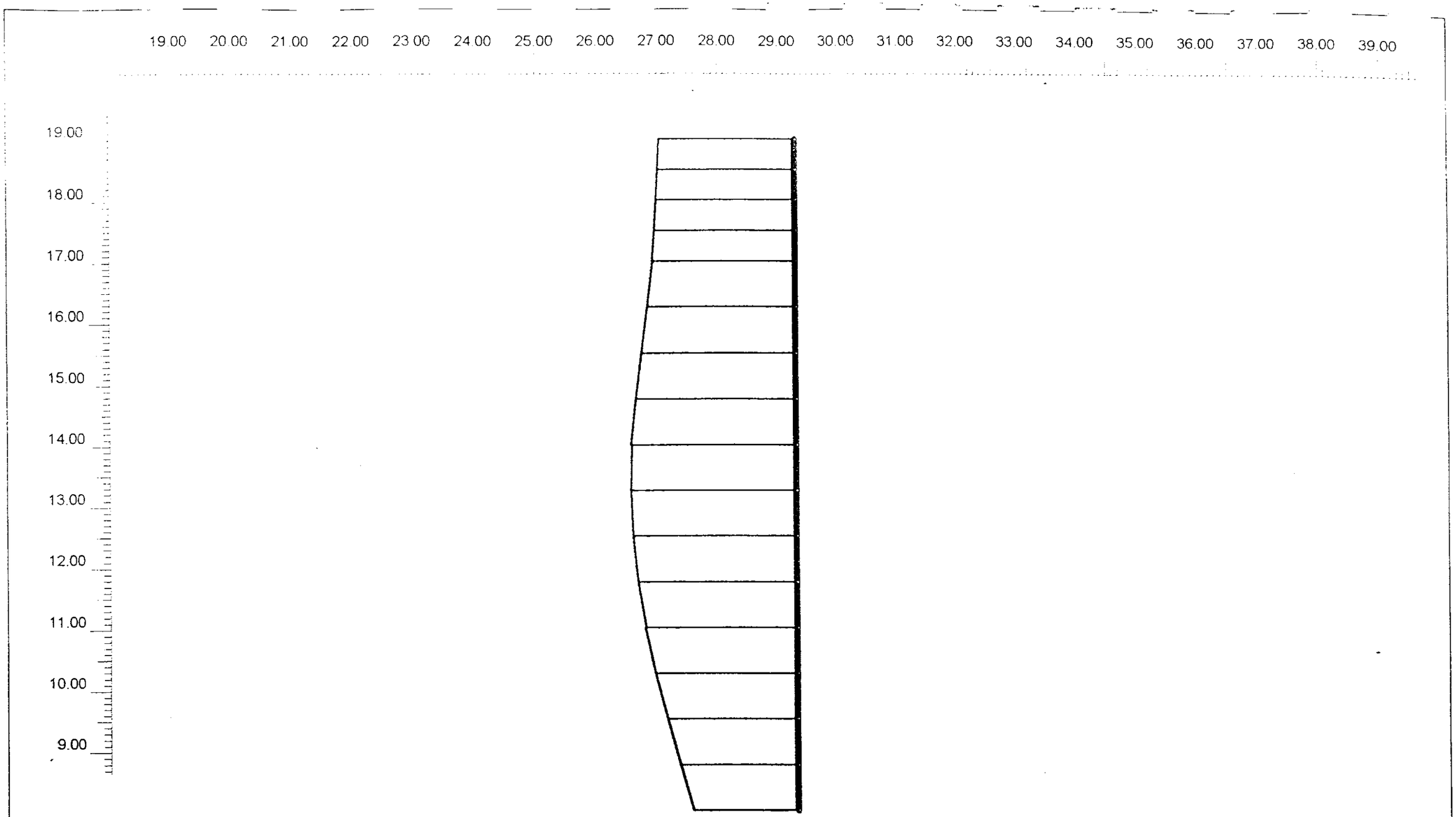
Project description : TENOR FLETA$_{B2(MURO\ DRE.\ PRESIONES.\ FASE3)}$ Date : **19/03/01**

User name : Universidad Politecnica de Madrid

Project name : TENOR FLETA_B2

Output : Cross section table Step : 17 **Page : 1**

X [m]	Y [m]	σ'_N [kN/m^2]
27,912	20,000	6,676
27,912	19,256	2,350
27,912	19,256	1,511
27,912	19,248	1,334
27,912	19,248	2,573
27,912	18,504	-4,007
27,912	18,504	-3,607
27,912	17,760	-14,294
27,912	17,760	-14,086
27,912	17,744	-14,336
27,912	17,744	-14,360
27,912	17,000	-23,722
27,912	17,000	-24,184
27,912	16,008	-35,951
27,912	16,008	-46,423
27,912	15,983	-46,585



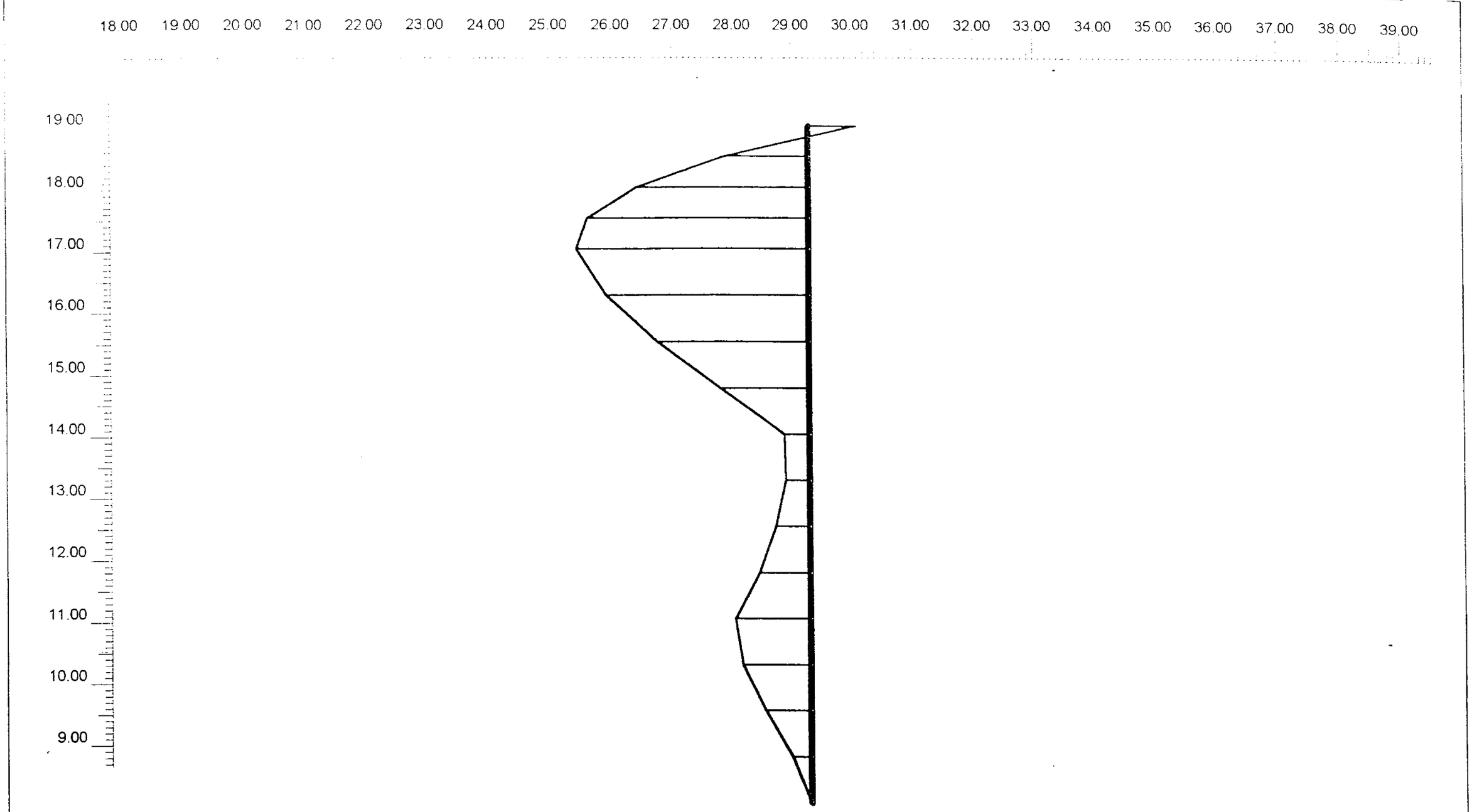
Axial forces
Extreme axial force -188,38 kN/m

PLAXIS
Finite Element Code for Soil and Rock Analyses

Project description
TENOR FLETA_B2 (PILOT DER.FASE3)

Project name	*Step*	*Date*	*User name*
TENOR FLET...	17	19/03/01	Universidad Politecnica de Madrid

Version 7.1.6.97



Bending moment
Extreme bending moment -11,36 kNm/m

PLAXIS
Finite Element Code for Soil and Rock Analyses

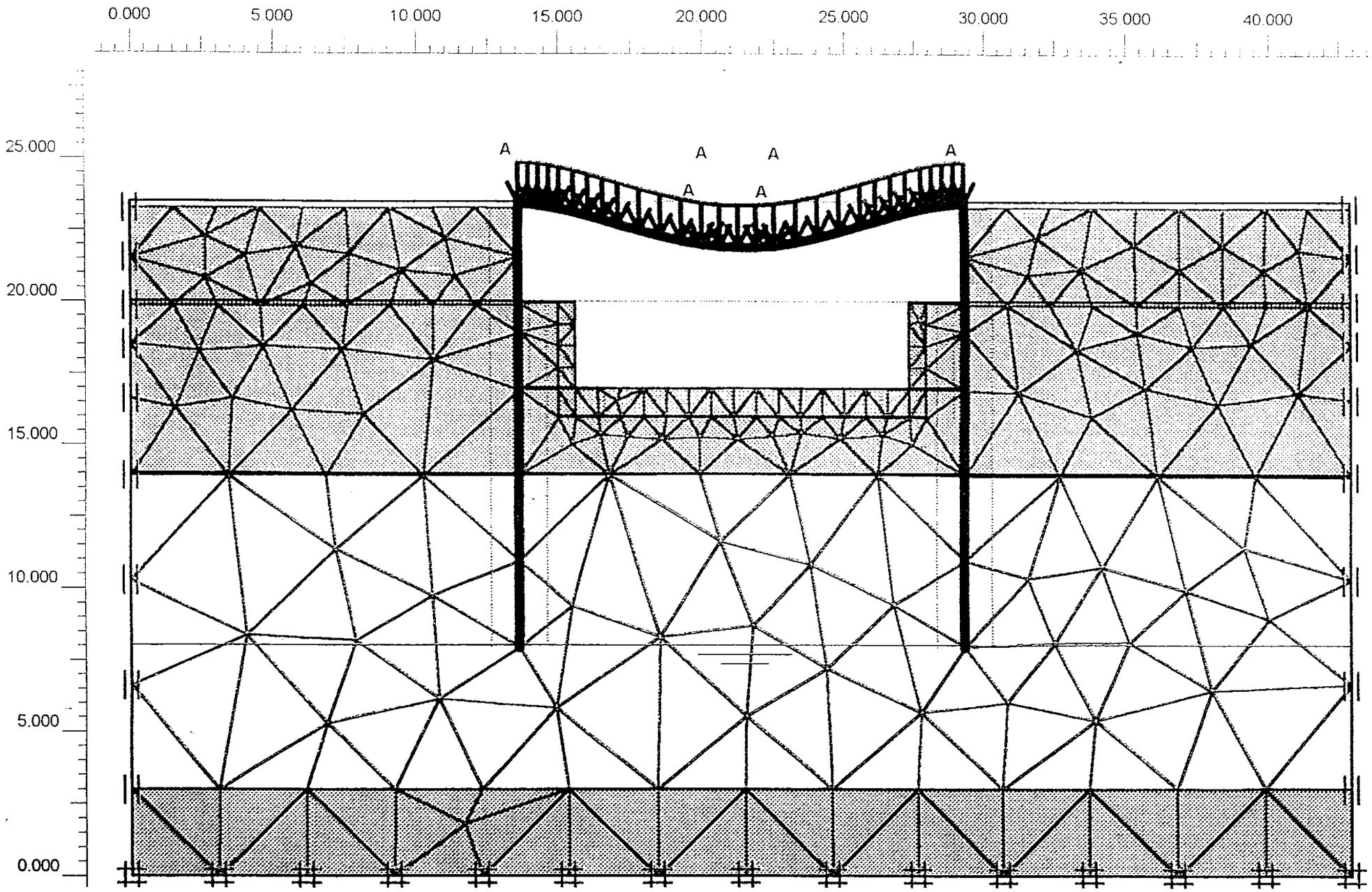
Project description
TENOR FLETA_B2 (PILOT DER.FASE3)

Project name	*Step*	*Date*	*User name*
TENOR FLET...	17	19/03/01	Universidad Politecnica de Madrid

Version 7.1.6.97

TENOR FLETA_B2

FASE 4. GRÁFICOS
(SOBRECARGAS EN CUBIERTA)



Deformed Mesh

Extreme total displacement $80{,}78*10^{-3}$ m

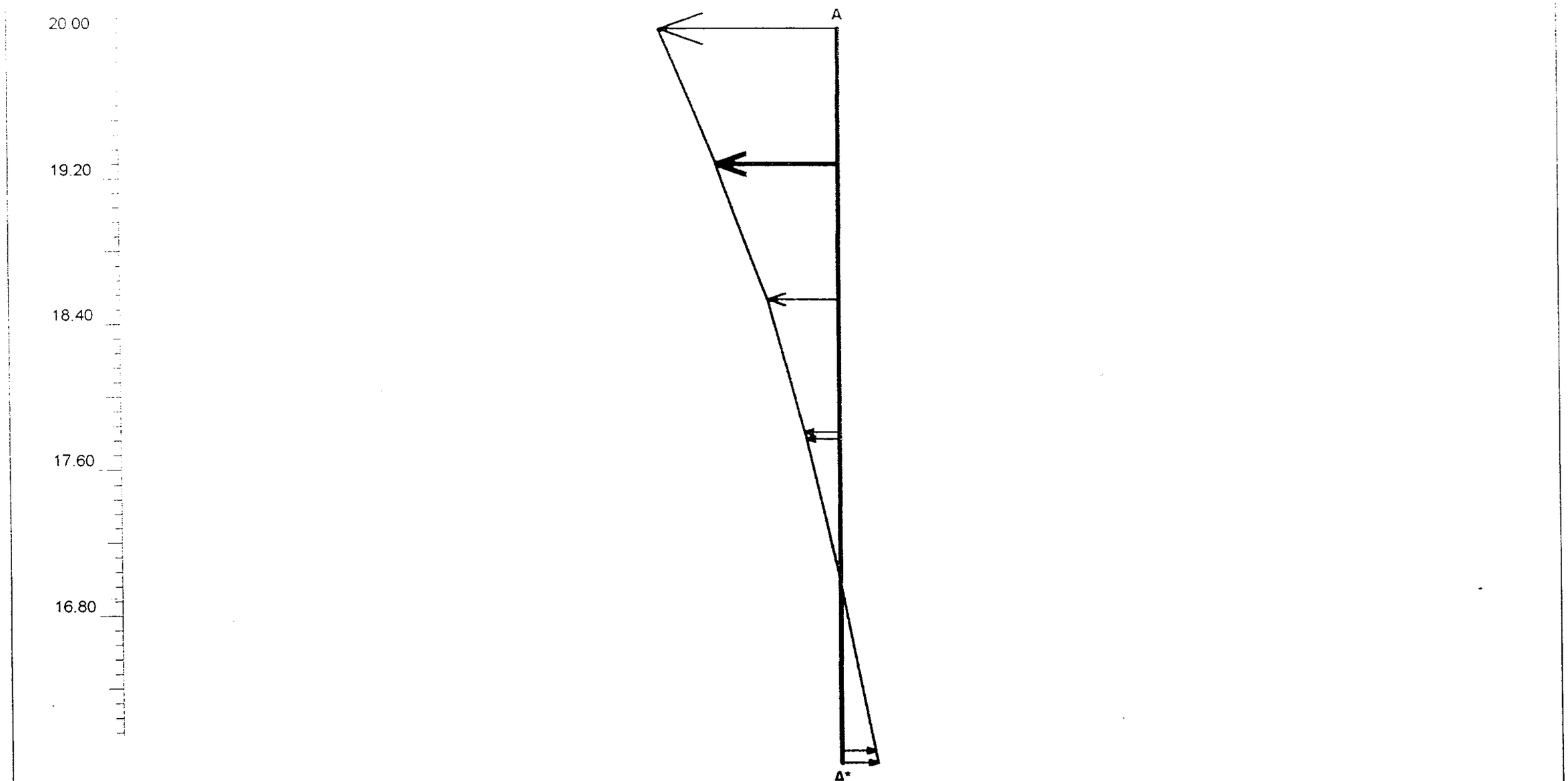
(displacements scaled up 20,00 times)

PLAXIS

Finite Element Code for Soil and Rock Analyses

Version 7.1.6.97

Project description			
TENOR FLETA_B2(FASE4)			
Project name	*Step*	*Date*	*User name*
TENOR FLET...	23	19/03/01	Universidad Politecnica de Madrid

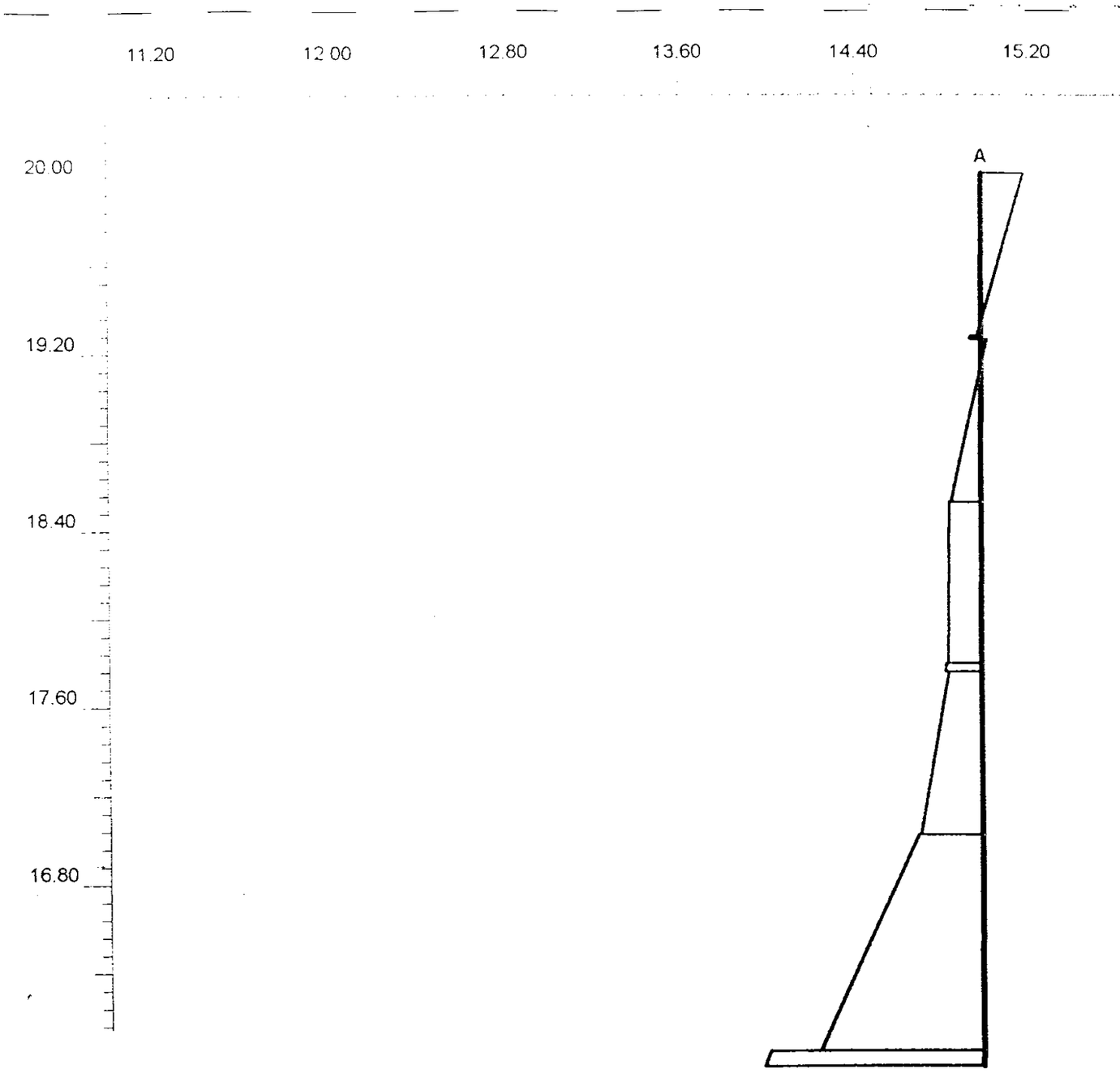


Horizontal displacements

Extreme horizontal displacement -916,02*10^{-6} m

PLAXIS Finite Element Code for Soil and Rock Analyses	*Project description* TENOR FLETA_B2(MURO IZQ.FASE4)			
	Project name TENOR FLET...	*Step* 23	*Date* 19/03/01	*User name* Universidad Politecnica de Madrid

Version 7.1.6.97



Effective normal stresses

Extreme effective normal stress -34,11 kN/m^2

PLAXIS
Finite Element Code for Soil and Rock Analyses

Version 7.1.6.97

Project description			
TENOR FLETA_B2(MURO IZQ.FASE4)			
Project name	*Step*	*Date*	*User name*
TENOR FLET...	23	19/03/01	Universidad Politecnica de Madrid

Plaxis - Finite Element Code for Soil and Rock Analyses

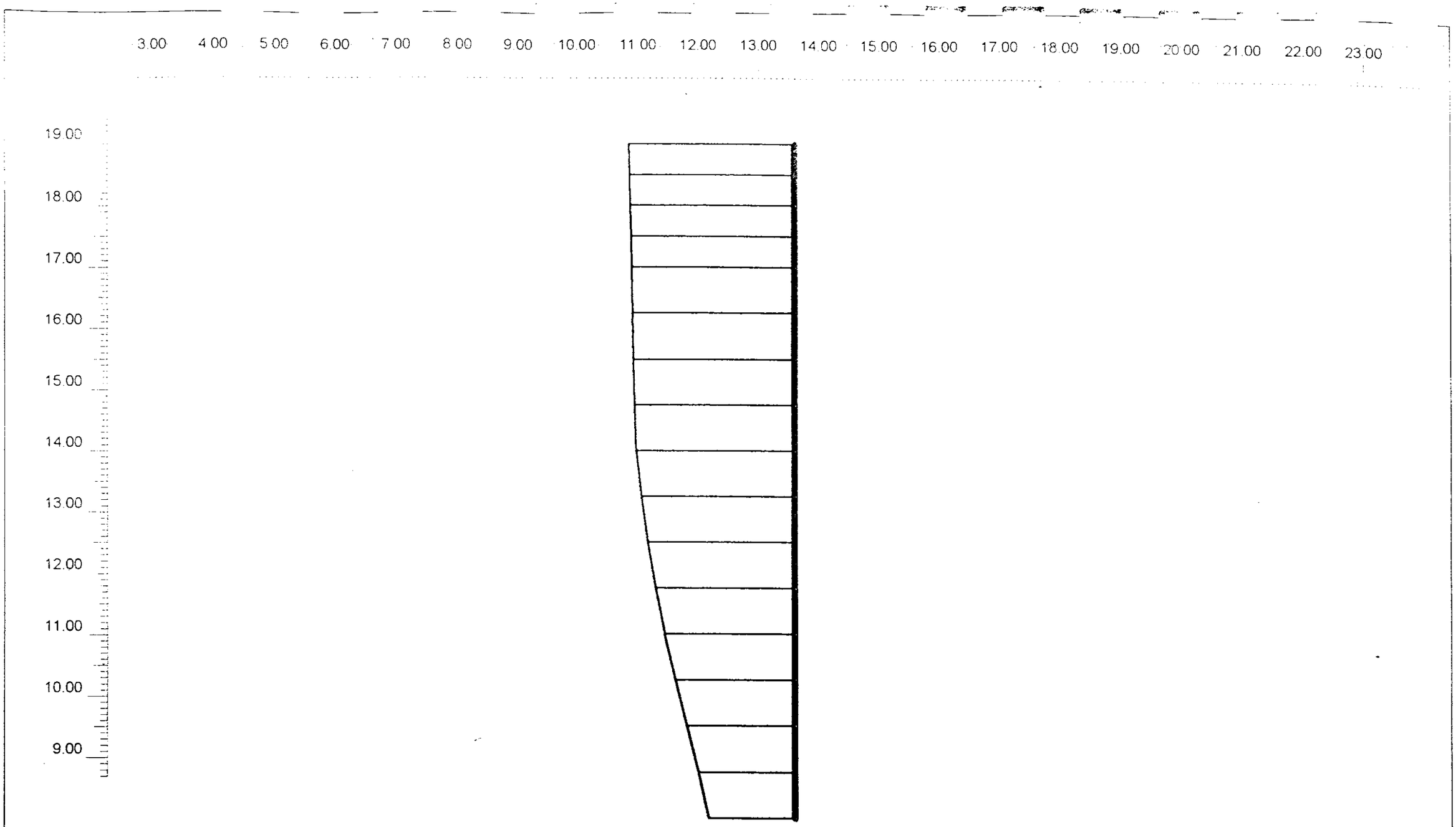
Project description : TENOR FLETA$_{B2(MURO\ IZQ.PRESIONES.FASE4)}$ Date : **19/03/01**

User name : Universidad Politecnica de Madrid

Project name : TENOR FLETA_B2

Output : Cross section table Step : 23 **Page : 1**

X [m]	Y [m]	σ'_N [kN/m^2]
14,979	20,000	6,885
14,977	19,262	-0,558
14,977	19,262	-1,570
14,977	19,246	-1,661
14,977	19,246	0,982
14,975	18,509	-4,722
14,975	18,509	-4,974
14,973	17,774	-5,216
14,973	17,774	-5,475
14,973	17,736	-5,669
14,973	17,736	-5,149
14,971	17,000	-9,610
14,971	17,000	-10,035
14,968	16,023	-25,404
14,968	16,023	-33,229
14,968	15,954	-34,108



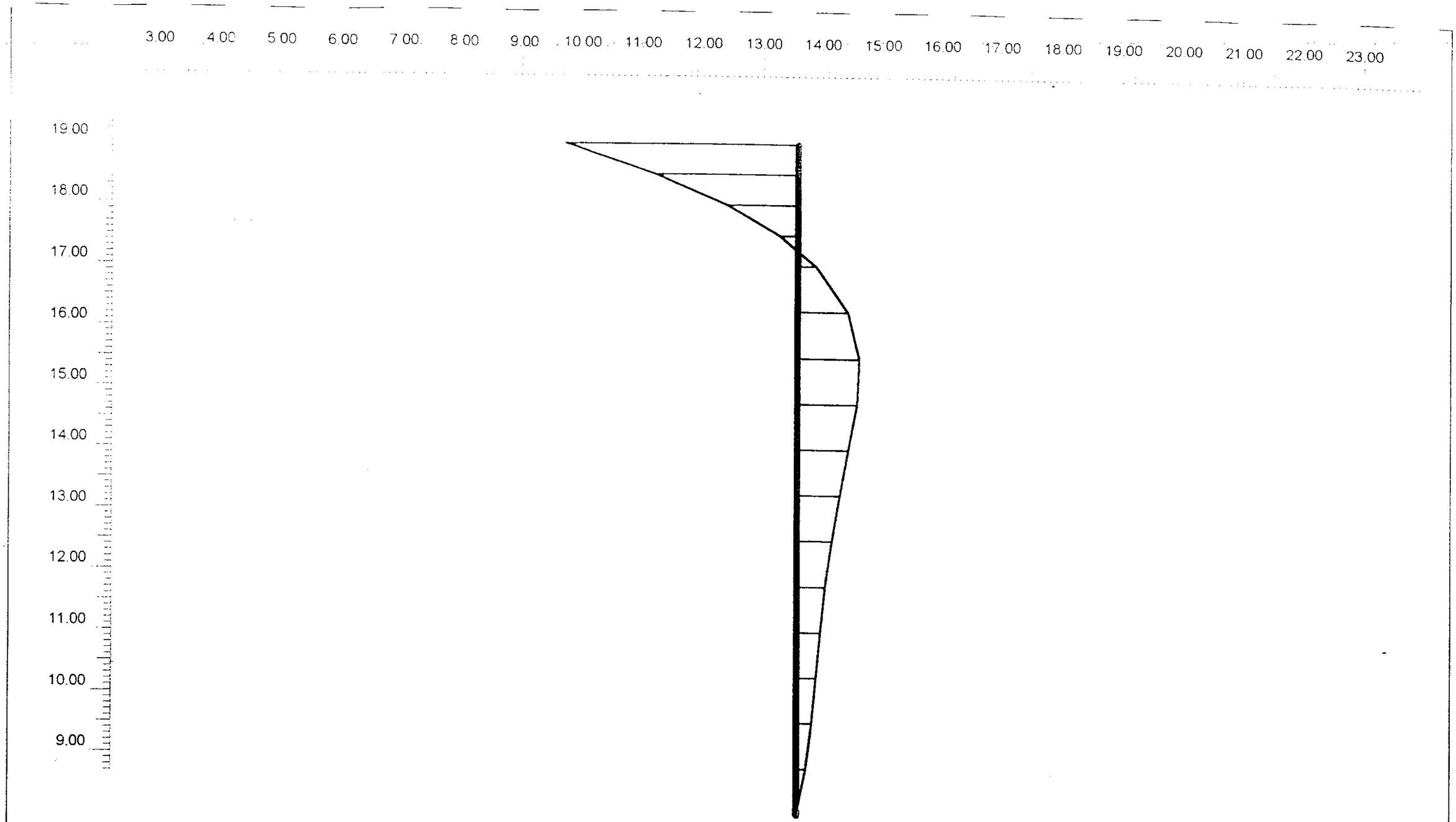
Axial forces
Extreme axial force -386,50 kN/m

PLAXIS
Finite Element Code for Soil and Rock Analyses

Project description
TENOR FLETA_B2(PILOTE IZQ.FASE4)

Project name	*Step*	*Date*	*User name*
TENOR FLET...	23	19/03/01	Universidad Politecnica de Madrid

Version 7.1.6.97

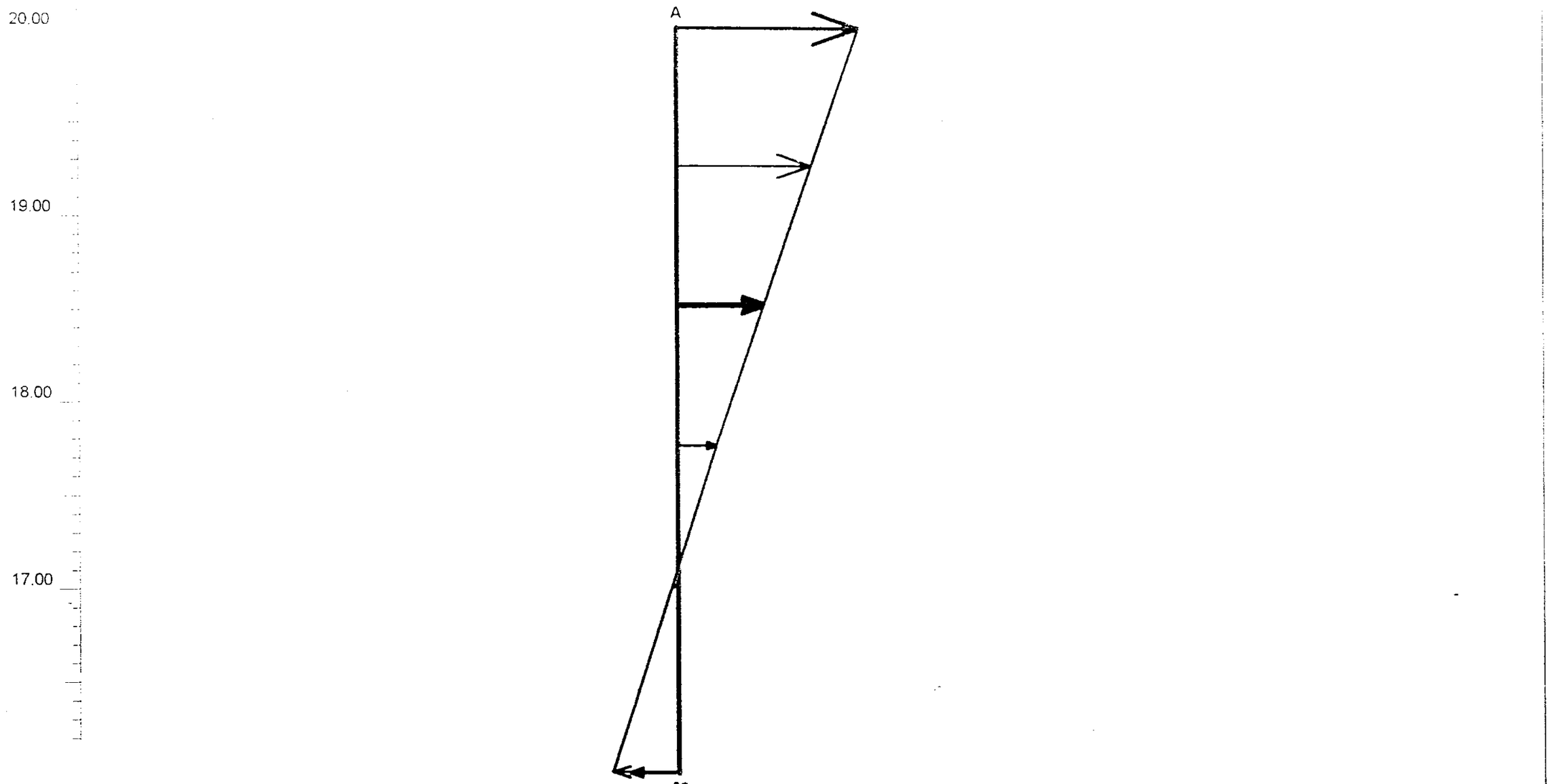


Bending moment

Extreme bending moment -131,79 kNm/m

PLAXIS
Finite Element Code for Soil and Rock Analyses
Version 7.1.6.97

Project description			
TENOR FLETA_B2(PILOTE IZQ.FASE4)			
Project name	*Step*	*Date*	*User name*
TENOR FLET...	23	19/03/01	Universidad Politecnica de Madrid

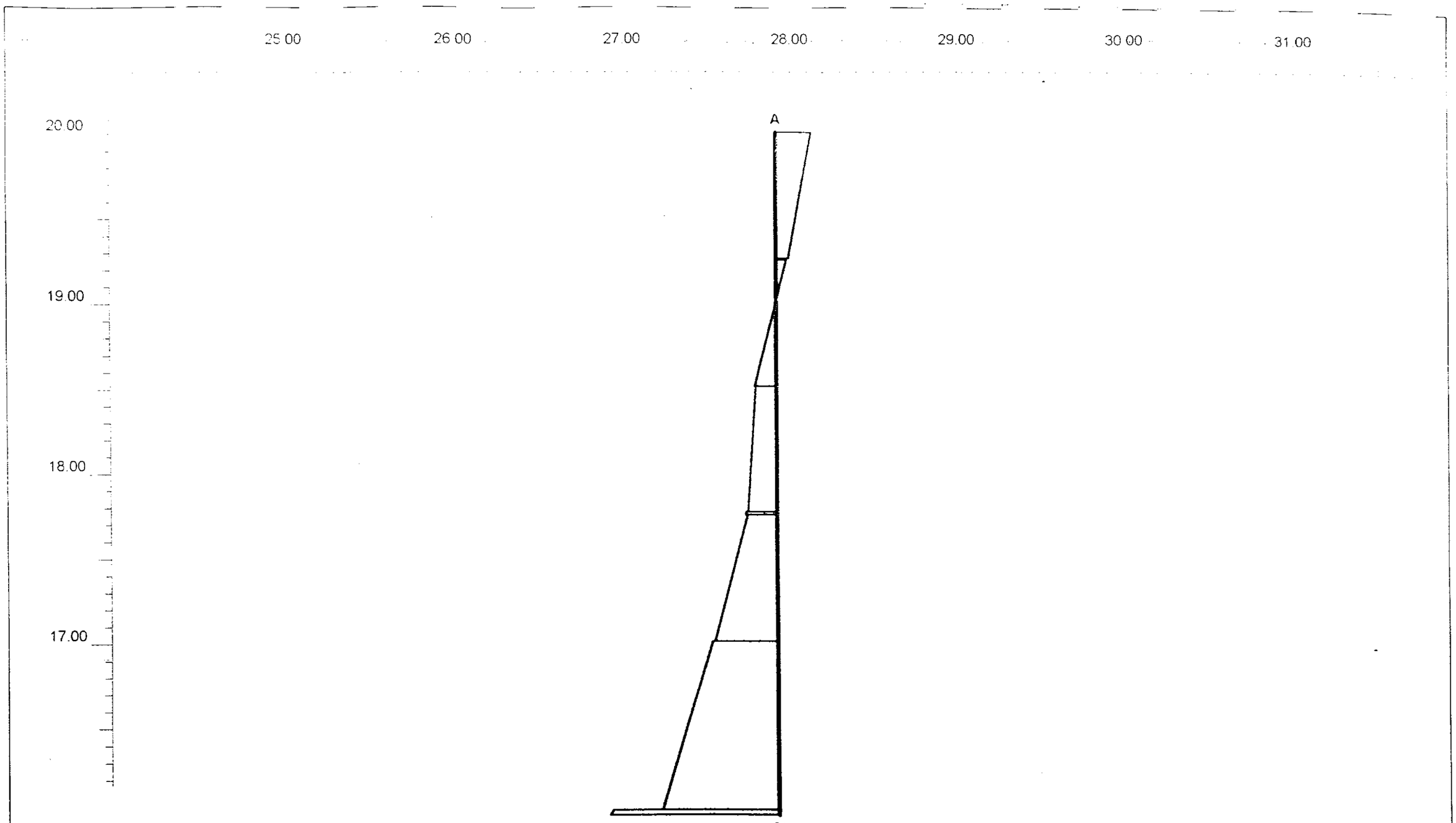


Horizontal displacements

Extreme horizontal displacement $775{,}54*10^{-6}$ m

PLAXIS Finite Element Code for Soil and Rock Analyses	Project description: TENOR FLETA_B2(MURO DER.FASE4)			
	Project name: TENOR FLET...	Step: 23	Date: 19/03/01	User name: Universidad Politecnica de Madrid

Version 7.1.6.97



Effective normal stresses
Extreme effective normal stress -33,34 kN/m^2

PLAXIS
Finite Element Code for Soil and Rock Analyses

Project description
TENOR FLETA_B2(MURO DER.FASE4)

Project name	*Step*	*Date*	*User name*
TENOR FLET...	23	19/03/01	Universidad Politecnica de Madrid

Version 7.1.6.97

Plaxis - Finite Element Code for Soil and Rock Analyses

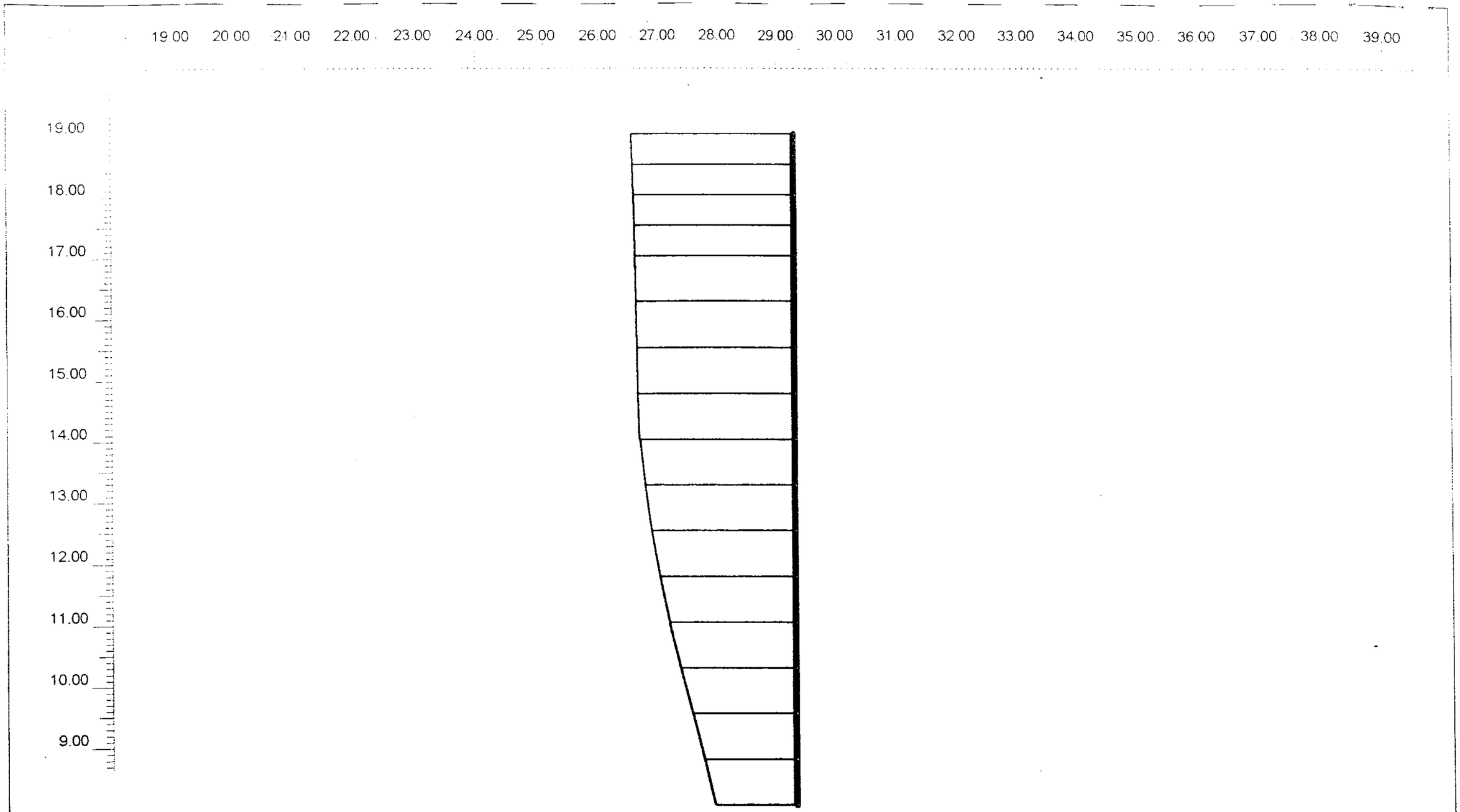
Project description : TENOR FLETA$_{B2(MURO\ DER.\ PRESIONES.\ FASE4)}$ Date : **19/03/01**

User name : Universidad Politecnica de Madrid

Project name : TENOR FLETA_B2

Output : Cross section table Step : 23 **Page : 1**

X [m]	Y [m]	σ'_N [kN/m^2]
27,918	20,000	7,035
27,916	19,259	2,480
27,916	19,259	0,075
27,916	19,247	-0,105
27,916	19,247	2,079
27,914	18,505	-4,194
27,914	18,505	-3,940
27,912	17,761	-5,670
27,912	17,761	-5,980
27,912	17,743	-6,063
27,912	17,743	-5,743
27,910	17,000	-12,429
27,910	17,000	-12,837
27,907	16,005	-22,899
27,907	16,005	-32,970
27,907	15,989	-33,211



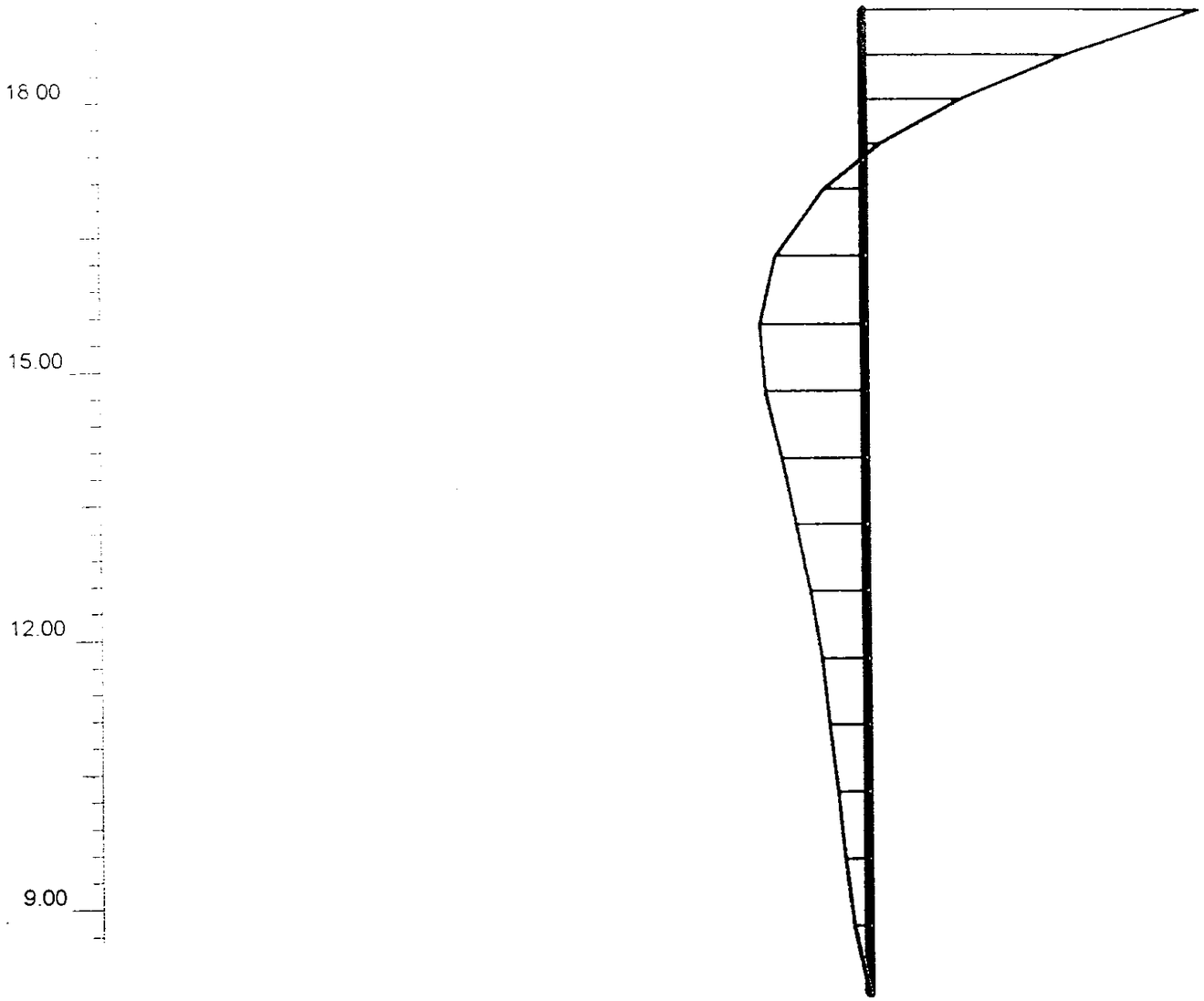
Axial forces
Extreme axial force -378,89 kN/m

PLAXIS
Finite Element Code for Soil and Rock Analyses

Project description
TENOR FLETA_B2(PILOTE DER.FASE4)

Project name	*Step*	*Date*	*User name*
TENOR FLET...	23	19/03/01	Universidad Politecnica de Madrid

Version 7.1.6.97



Bending moment
Extreme bending moment 123,31 kNm/m

PLAXIS
Finite Element Code for Soil and Rock Analyses

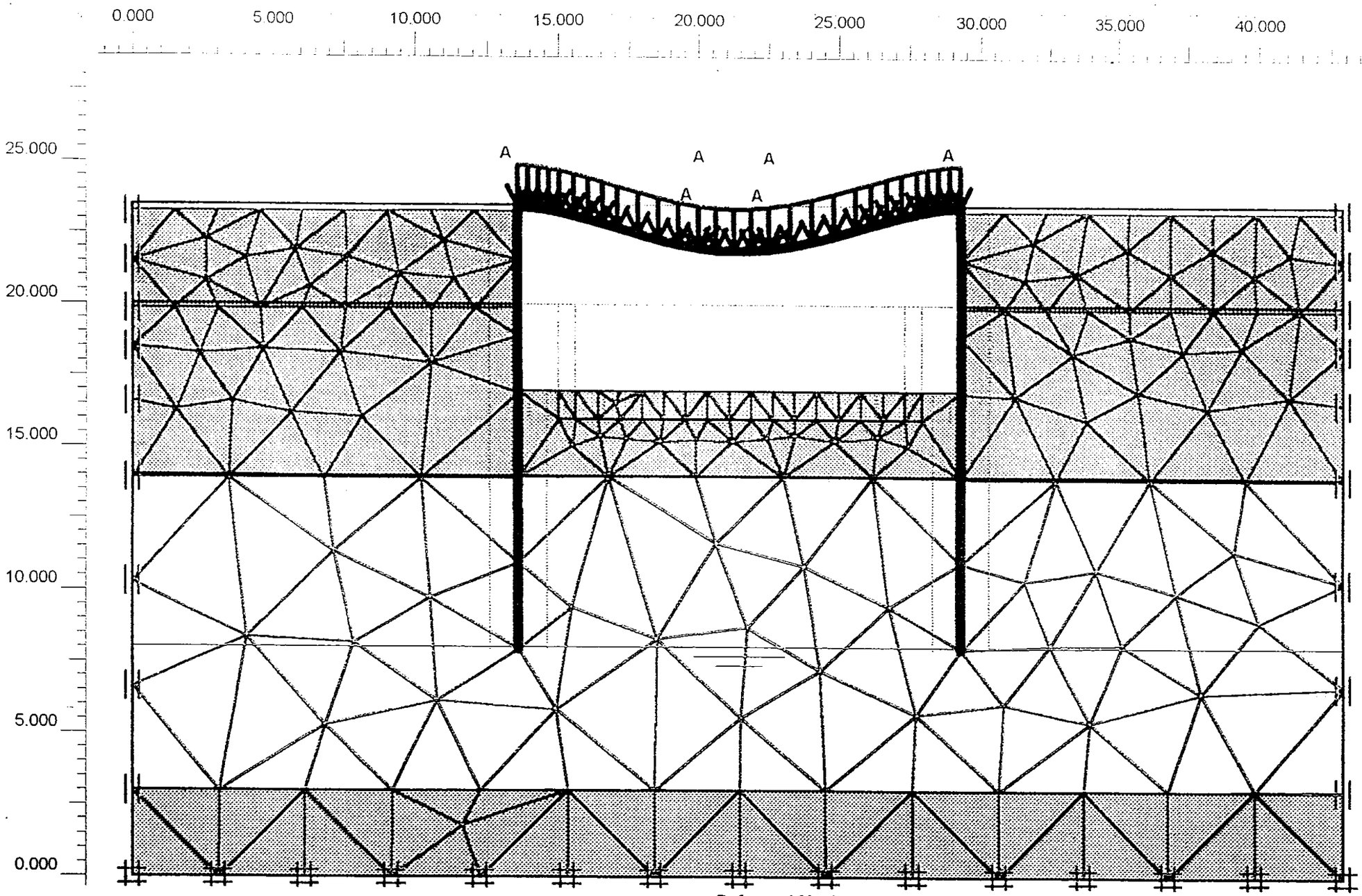
Project description
TENOR FLETA_B2(PILOTE DER.FASE4)

Project name	*Step*	*Date*	*User name*
TENOR FLET...	23	19/03/01	Universidad Politecnica de Madrid

Version 7.1.6.97

TENOR FLETA_B2

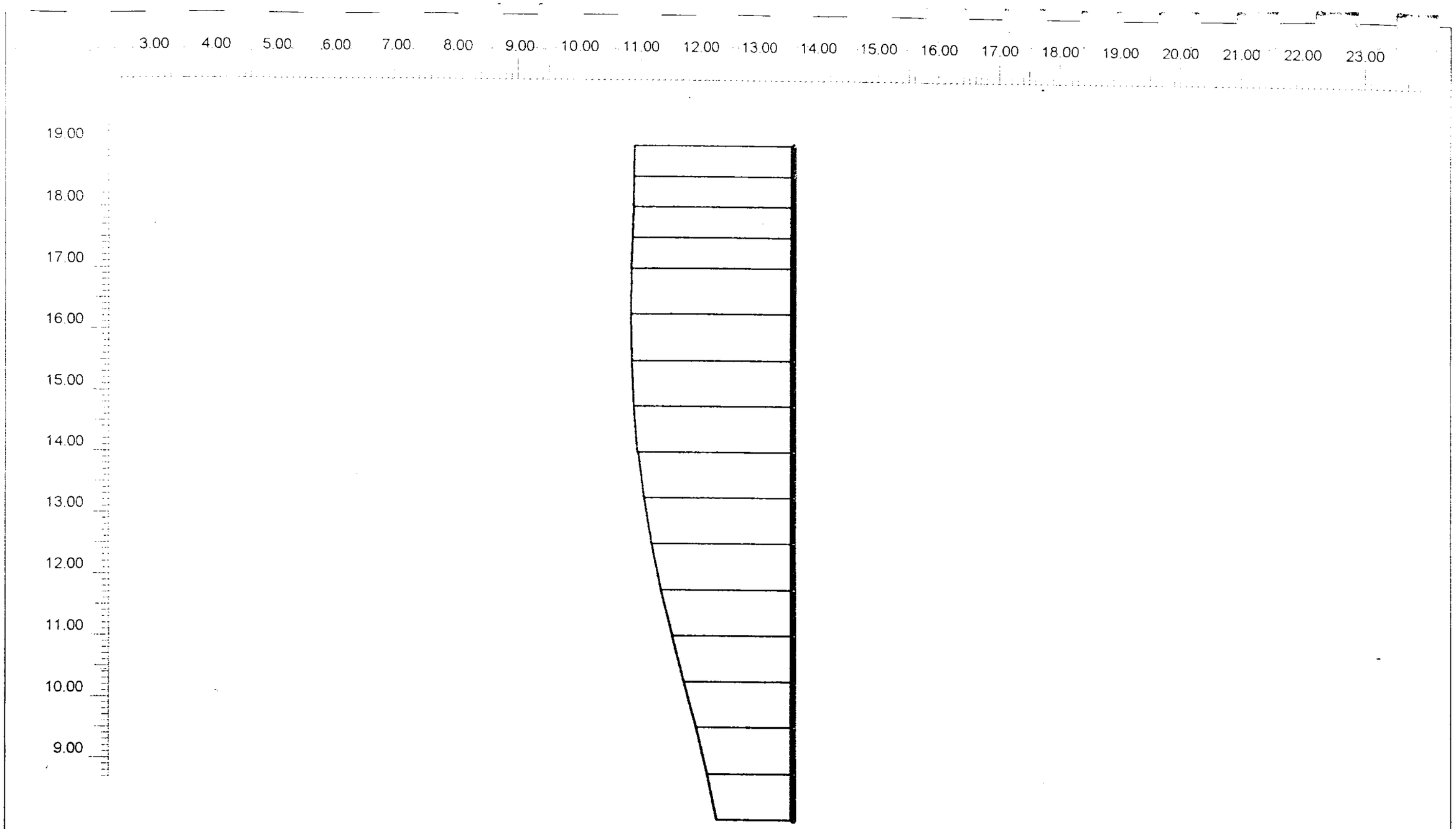
FASE 5. GRÁFICOS (DEMOLICIÓN DE MUROS)



Deformed Mesh
Extreme total displacement $80{,}31*10^{-3}$ m
(displacements scaled up 20,00 times)

PLAXIS
Finite Element Code for Soil and Rock Analyses
Version 7.1.6.97

Project description			
TENOR FLETA_B2(FASE5)			
Project name	*Step*	*Date*	*User name*
TENOR FLET...	29	19/03/01	Universidad Politecnica de Madrid



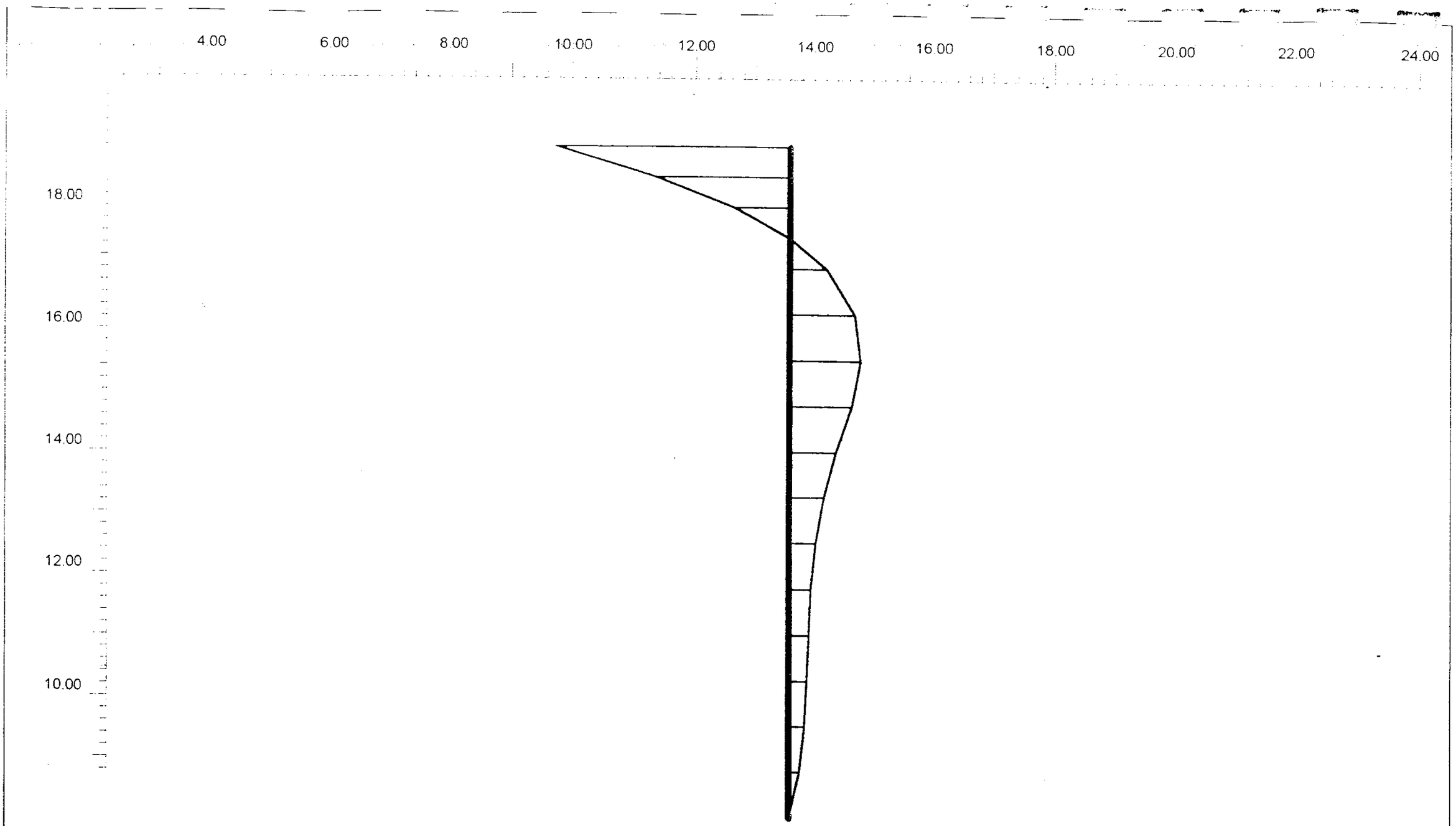
Axial forces
Extreme axial force -401,11 kN/m

PLAXIS
Finite Element Code for Soil and Rock Analyses

Project description
TENOR FLETA_B2(PILOTE IZQ.FASE5)

Project name	*Step*	*Date*	*User name*
TENOR FLET...	29	19/03/01	Universidad Politecnica de Madrid

Version 7.1.6.97



Bending moment
Extreme bending moment -124,04 kNm/m

PLAXIS
Finite Element Code for Soil and Rock Analyses

Project description
TENOR FLETA_B2(PILOTE IZQ.FASE5)

Project name	*Step*	*Date*	*User name*
TENOR FLET...	29	19/03/01	Universidad Politecnica de Madrid

Version 7.1.6.97

Plaxis - Finite Element Code for Soil and Rock Analyses

Project description : TENOR FLETA$_{B3}$

Date : 19/03/01

User name : Universidad Politecnica de Madrid

Project name : TENOR FLETA_B3

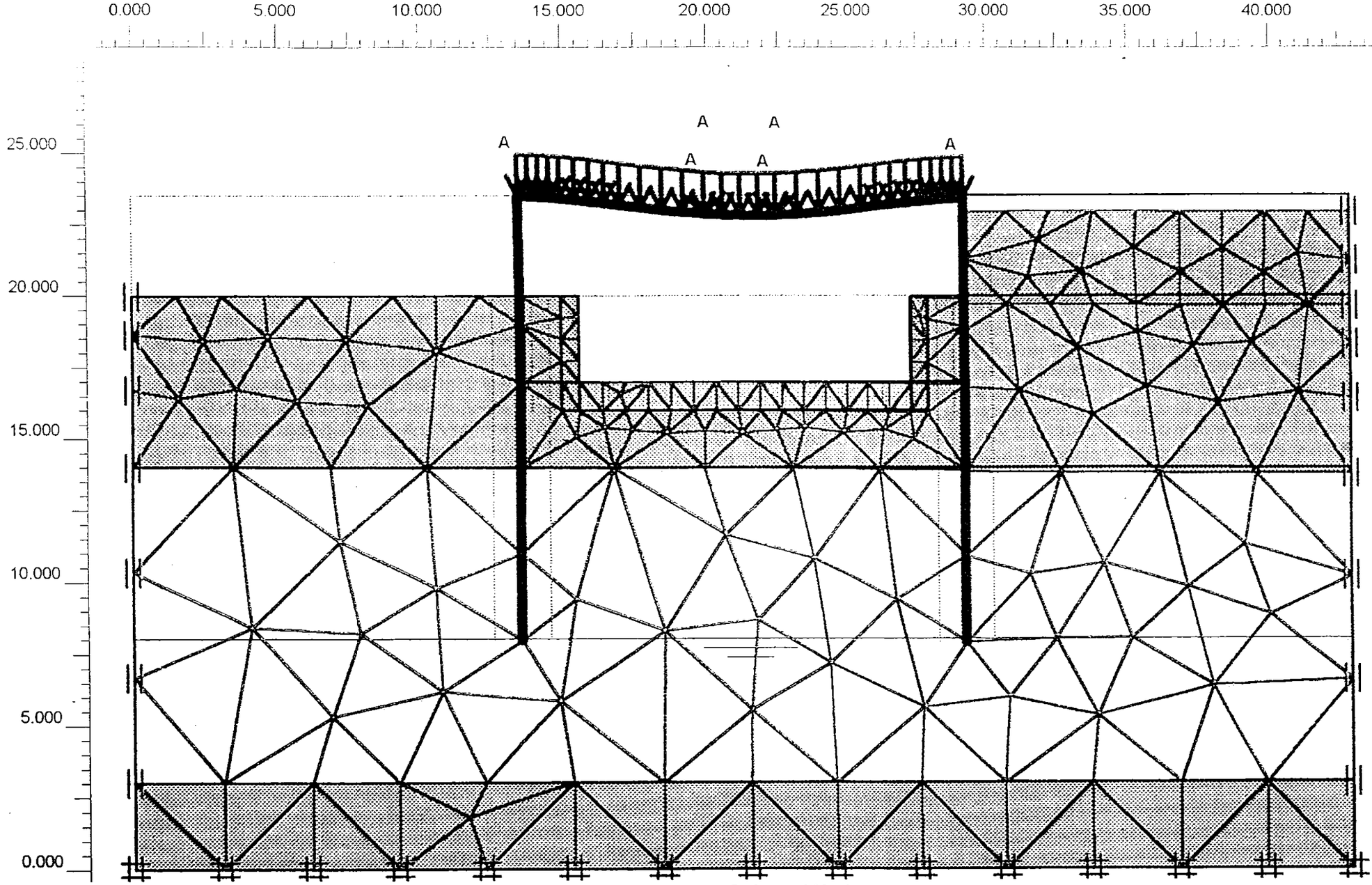
Output : Soil and Interfaces Info - Mohr-Coulomb

Step : 17 Page : 1

Identification	Type	γ_{dry} [kN/m^3]	γ_{wet} [kN/m^3]	k_x [m/day]	k_y [m/day]	ν [-]	E_{ref} [kN/m^2]	c_{ref} [kN/m^2]	φ [°]
GRAVA ARENOSA	Drained	20,0	20,0	0,0000	0,0000	0,25	1,2E5	5,0	38,0
RELLENO	Drained	19,5	19,5	0,0000	0,0000	0,30	20000,0	0,2	33,0
MARGA YESIFERA	Drained	20,5	21,0	0,0000	0,0000	0,30	2E5	30,0	28,0
EXPLANADA	Drained	20,0	20,0	0,0000	0,0000	0,25	1,5E5	5,0	40,0
TERRAZA	Drained	20,0	20,0	0,0000	0,0000	0,25	1,8E5	5,0	40,0

Identification	ψ [°]	E_{incr} [kN/m^3]	c_{incr} [kN/m^3]	y_{ref} [m]	T-Strength [kN/m^2]	R_{inter} [-]	Interface Permeability [-]
GRAVA ARENOSA	0,0	0,0	0,0	0,0	1E10	0,60	Neutral
RELLENO	0,0	0,0	0,0	0,0	1E10	0,60	Neutral
MARGA YESIFERA	0,0	0,0	0,0	0,0	0,0	0,50	Neutral
EXPLANADA	0,0	0,0	0,0	0,0	1E10	0,60	Neutral
TERRAZA	0,0	0,0	0,0	0,0	0,0	0,60	Neutral

Túnel Tenor Fleta_B3. Fase 3. Gráficos (Relleno de tierras lado derecho hastial)



Deformed Mesh

Extreme total displacement $14{,}44*10^{-3}$ m

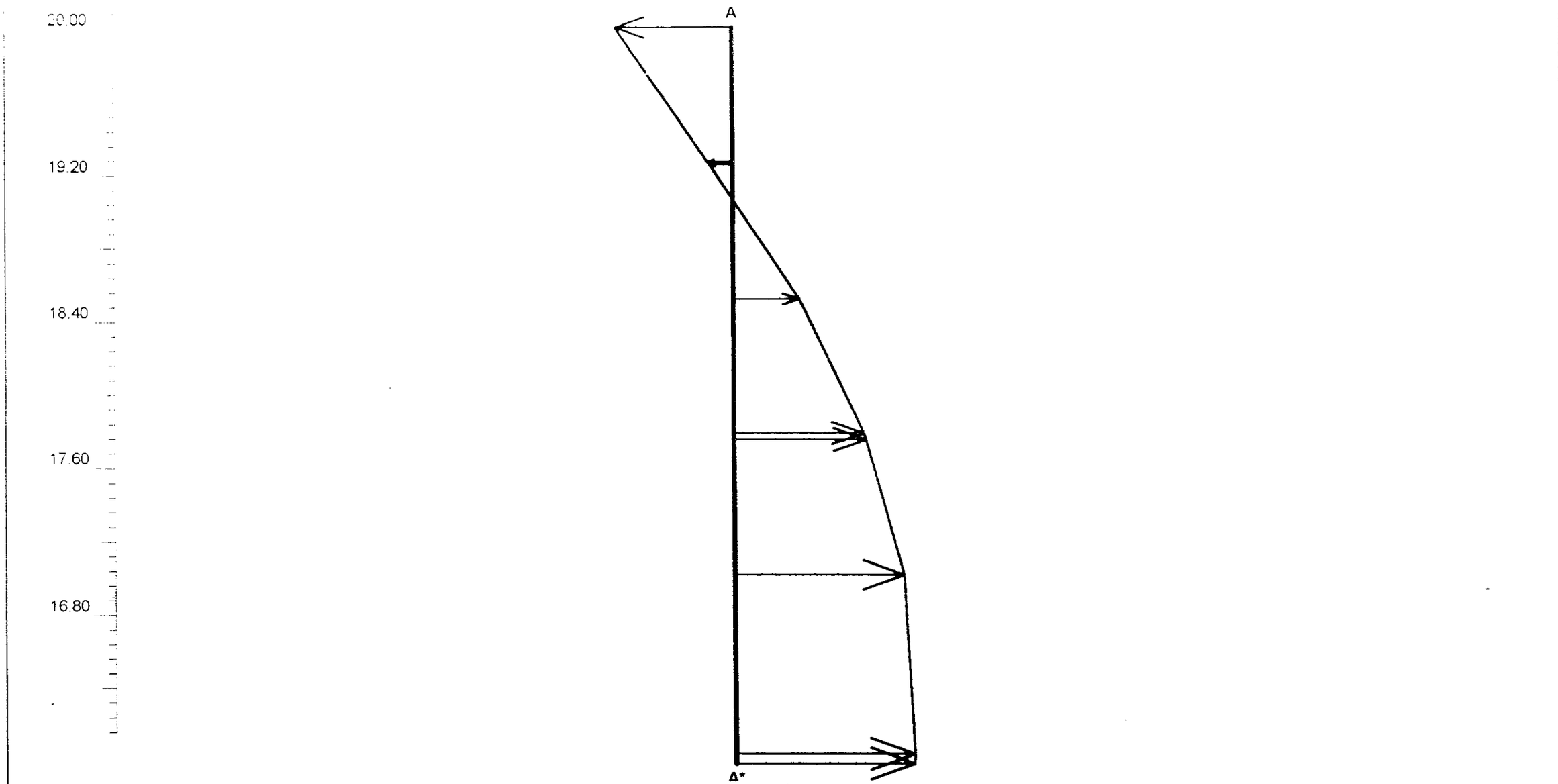
(displacements scaled up 50,00 times)

PLAXIS

Finite Element Code for Soil and Rock Analyses

Version 7.1.6.97

Project description			
TENOR FLETA_B3 (FASE3)			
Project name	*Step*	*Date*	*User name*
TENOR FLET...	17	19/03/01	Universidad Politecnica de Madrid



Horizontal displacements

Extreme horizontal displacement $286{,}40 * 10^{-6}$ m

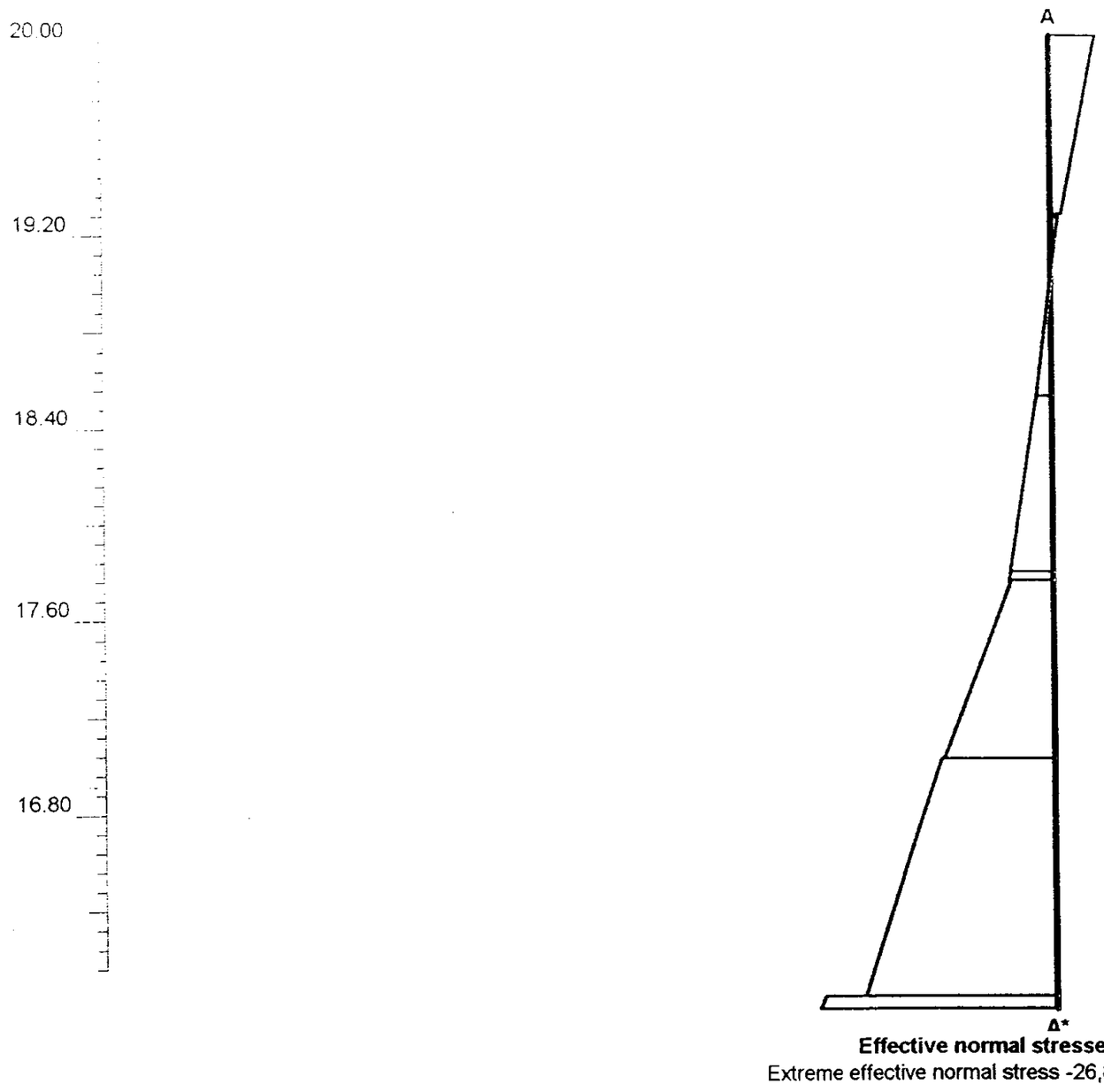
PLAXIS
Finite Element Code for Soil and Rock Analyses

Project description

TENOR FLETA_B3 (MURO IZQ.FASE3)

Project name	*Step*	*Date*	*User name*
TENOR FLET...	17	19/03/01	Universidad Politecnica de Madrid

Version 7.1.6.97



Effective normal stresses

Extreme effective normal stress -26,80 kN/m^2

PLAXIS Finite Element Code for Soil and Rock Analyses	*Project description* TENOR FLETA_B3 (MURO IZQ.FASE3)			
	Project name TENOR FLET...	*Step* 17	*Date* 19/03/01	*User name* Universidad Politecnica de Madrid

Version 7.1.6.97

Plaxis - Finite Element Code for Soil and Rock Analyses

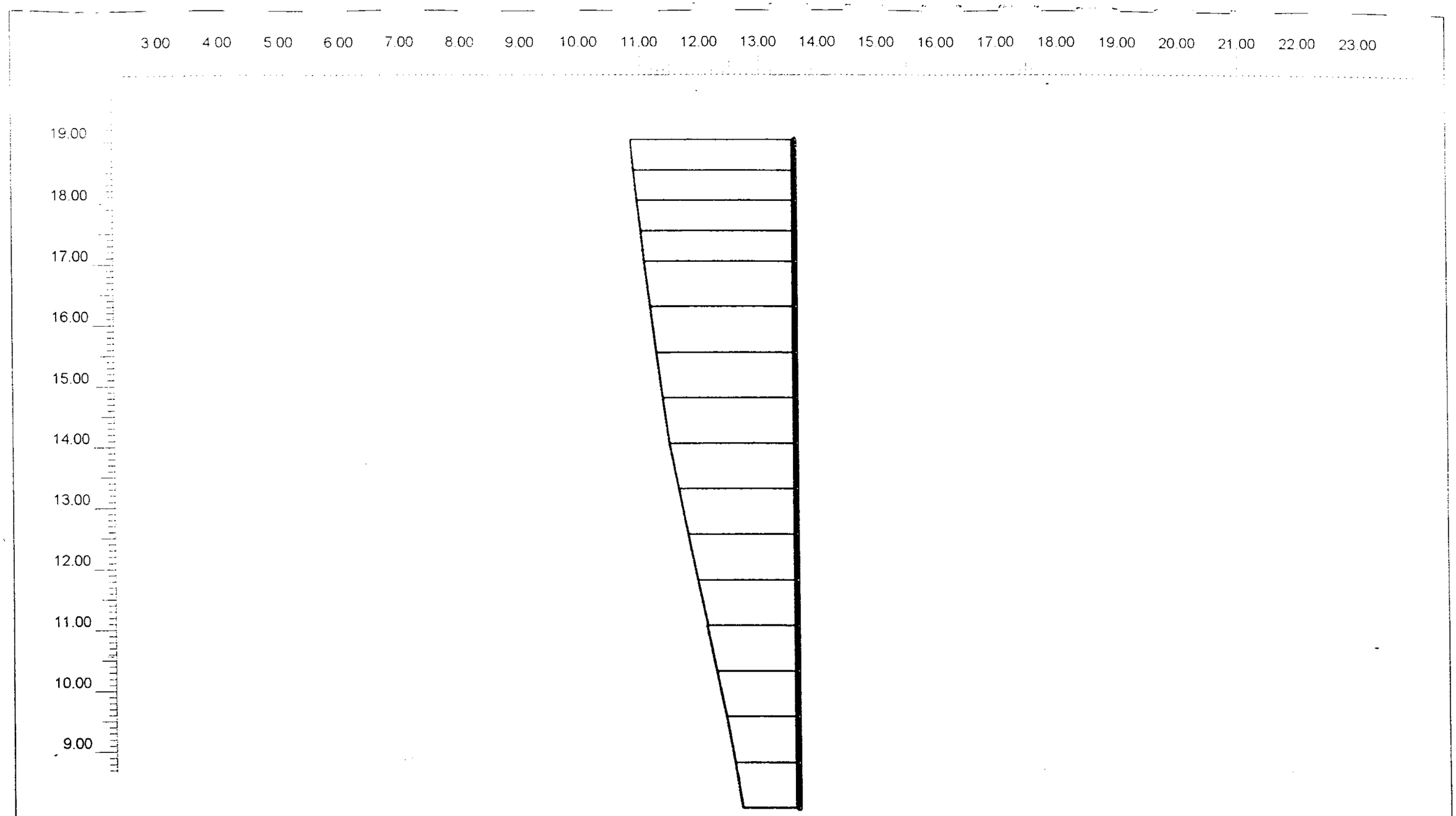
Project description : TENOR FLETA$_{B3}$ (MURO IZQ. PRESIONES.FASE3) **Date : 19/03/01**

User name : Universidad Politecnica de Madrid

Project name : TENOR FLETA_B3

Output : Cross section table Step : 17 **Page : 1**

X [m]	Y [m]	σ'_N [kN/m^2]
14,976	20,000	5,261
14,976	19,263	1,249
14,976	19,263	0,853
14,976	19,246	0,720
14,976	19,246	0,882
14,976	18,509	-1,746
14,976	18,509	-1,728
14,976	17,772	-4,849
14,976	17,772	-4,803
14,976	17,737	-4,994
14,976	17,737	-4,769
14,976	17,000	-12,399
14,976	17,000	-12,724
14,976	16,017	-21,528
14,976	16,017	-26,154
14,976	15,966	-26,796



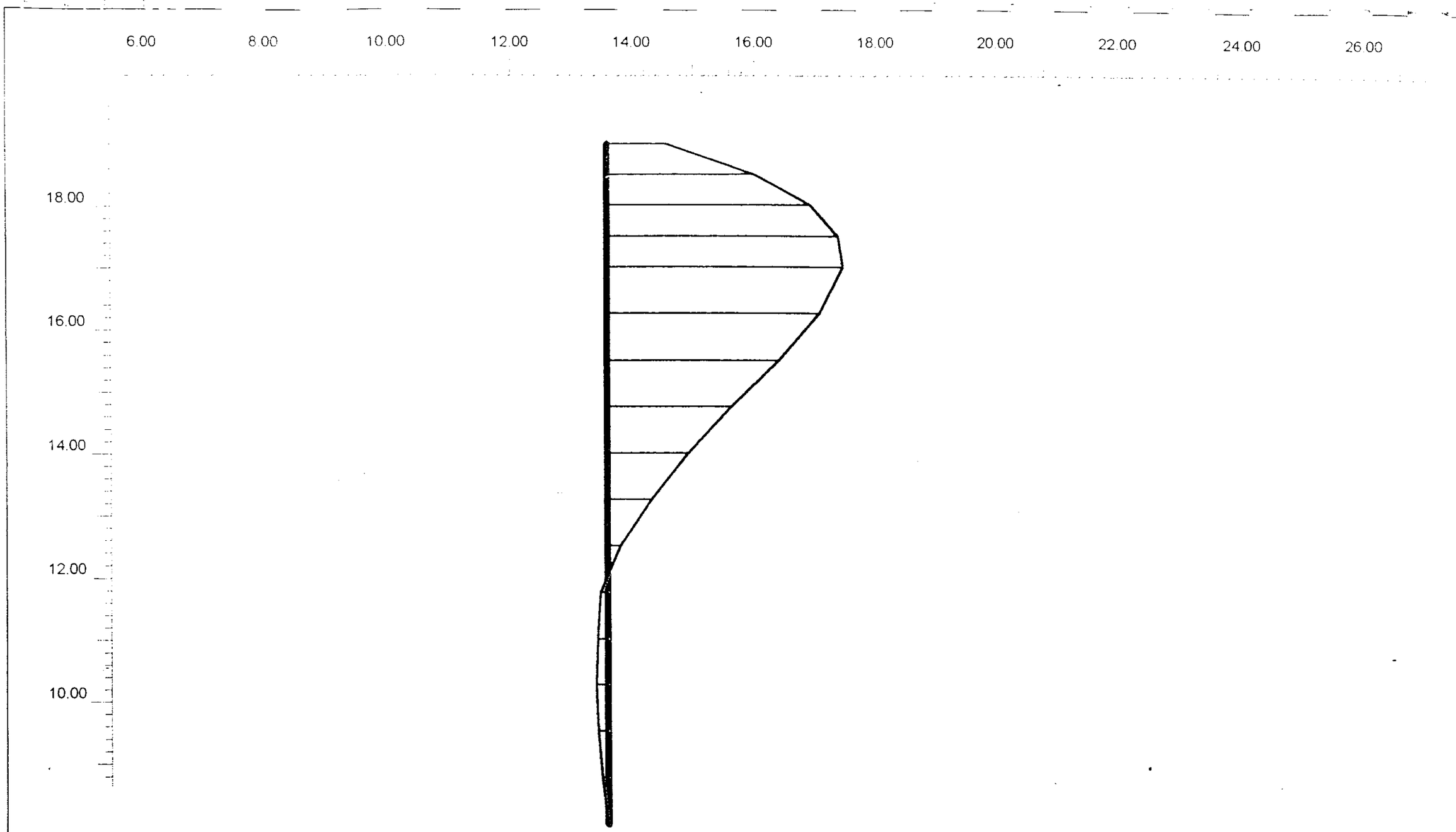
Axial forces
Extreme axial force -138,28 kN/m

PLAXIS
Finite Element Code for Soil and Rock Analyses

Project description
TENOR FLETA_B3 (PILOTE IZQ.FASE3)

Project name	*Step*	*Date*	*User name*
TENOR FLET...	17	19/03/01	Universidad Politecnica de Madrid

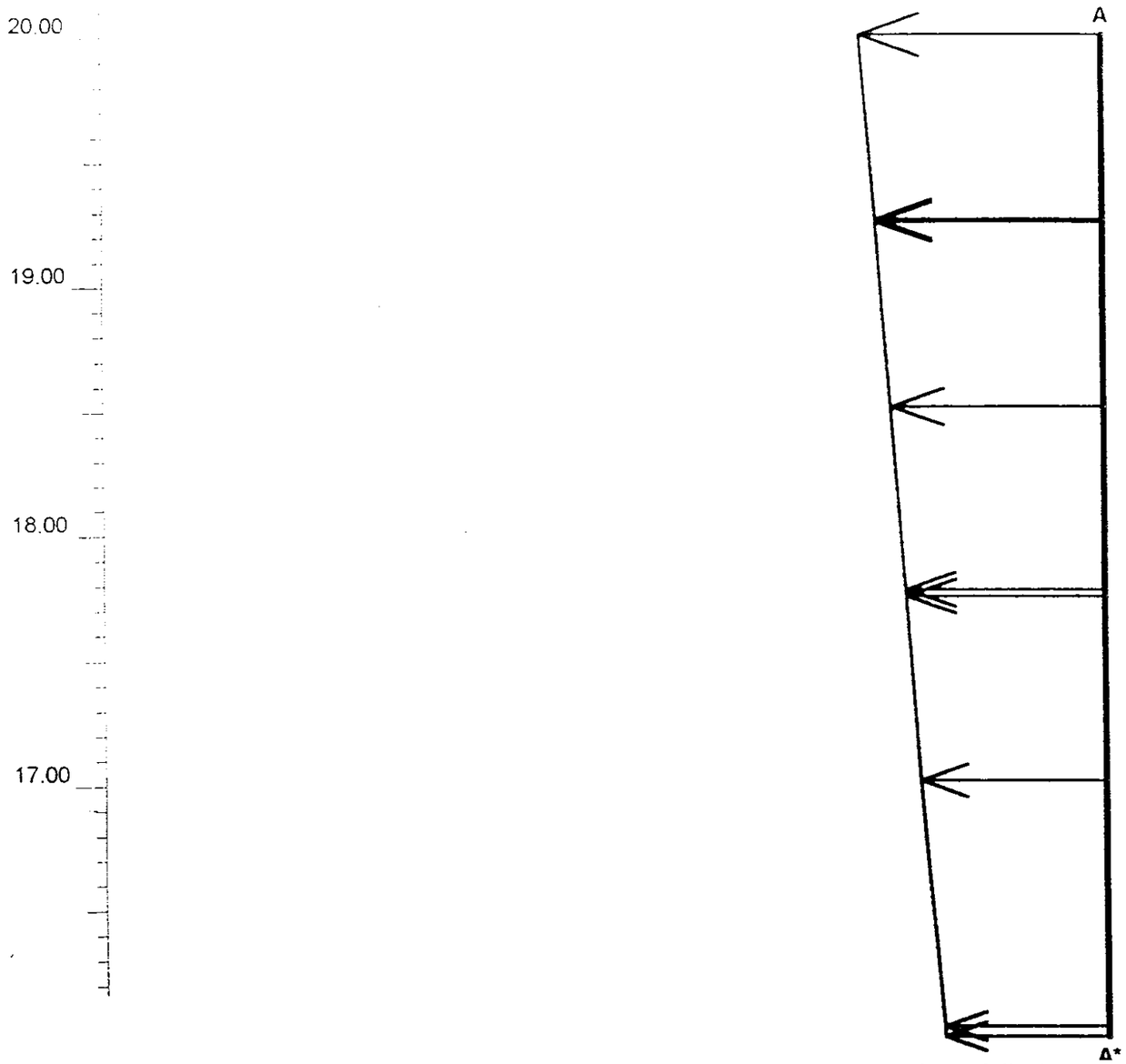
Version 7.1.6.97



Bending moment
Extreme bending moment 23,20 kNm/m

PLAXIS Finite Element Code for Soil and Rock Analyses	*Project description* TENOR FLETA_B3 (PILOTE IZQ.FASE3)			
	Project name TENOR FLET...	*Step* 17	*Date* 19/03/01	*User name* Universidad Politecnica de Madrid

Version 7.1.6.97

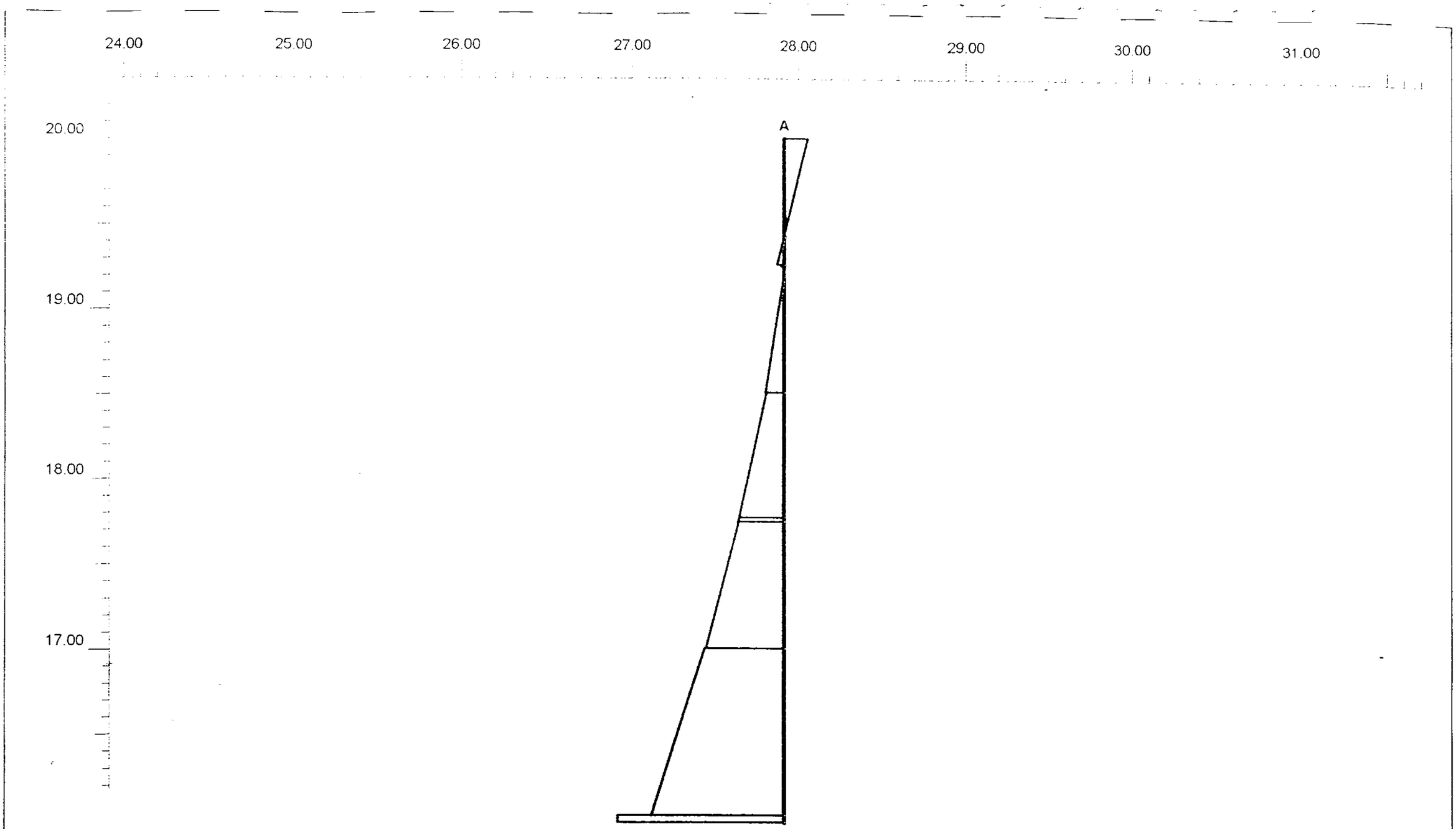


Horizontal displacements

Extreme horizontal displacement -1,56*10^{-3} m

PLAXIS Finite Element Code for Soil and Rock Analyses	*Project description* TENOR FLETA_B3(MURO DER. FASE3)			
	Project name TENOR FLET...	*Step* 17	*Date* 19/03/01	*User name* Universidad Politecnica de Madrid

Version 7.1.6.97



Effective normal stresses
Extreme effective normal stress -48,34 kN/m^2

PLAXIS Finite Element Code for Soil and Rock Analyses	*Project description* TENOR FLETA_B3(MURO DER. FASE3)			
	Project name TENOR FLET...	*Step* 17	*Date* 19/03/01	*User name* Universidad Politecnica de Madrid

Version 7.1.6.97

Plaxis - Finite Element Code for Soil and Rock Analyses

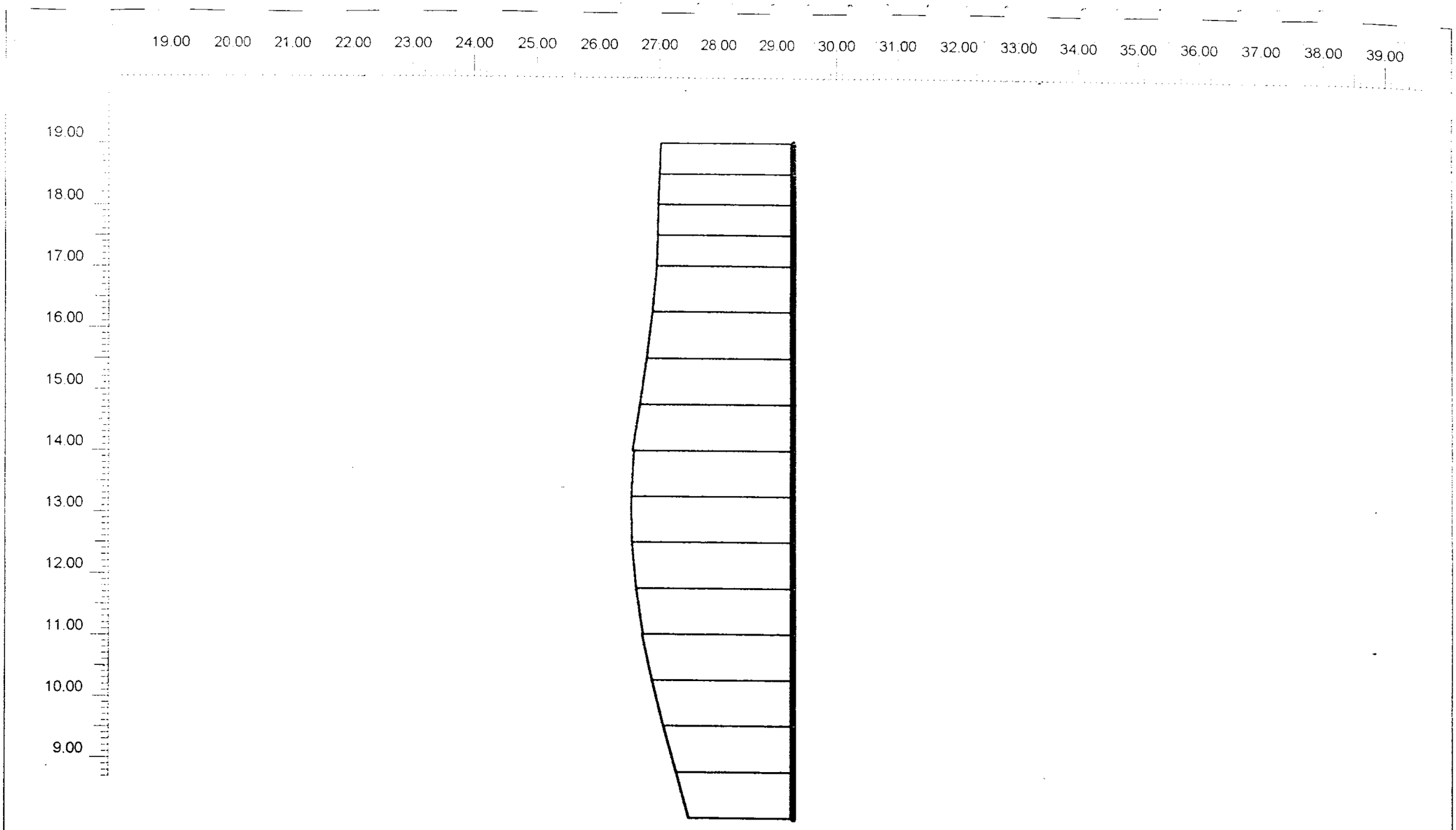
Project description : TENOR FLETA$_{B3(MURO\ DER.PRESIONES.\ FASE3)}$ Date : **19/03/01**

User name : Universidad Politecnica de Madrid

Project name : TENOR FLETA_B3

Output : Cross section table Step : 17 **Page : 1**

X [m]	Y [m]	σ'_N [kN/m^2]
27,919	20,000	6,854
27,919	19,260	-2,015
27,919	19,260	-0,784
27,919	19,247	-0,917
27,919	19,247	0,356
27,919	18,507	-5,342
27,919	18,507	-4,991
27,919	17,767	-12,962
27,919	17,767	-13,022
27,919	17,740	-13,348
27,919	17,740	-13,115
27,919	17,000	-22,876
27,919	17,000	-23,218
27,919	16,013	-38,629
27,919	16,013	-48,259
27,919	15,973	-48,340



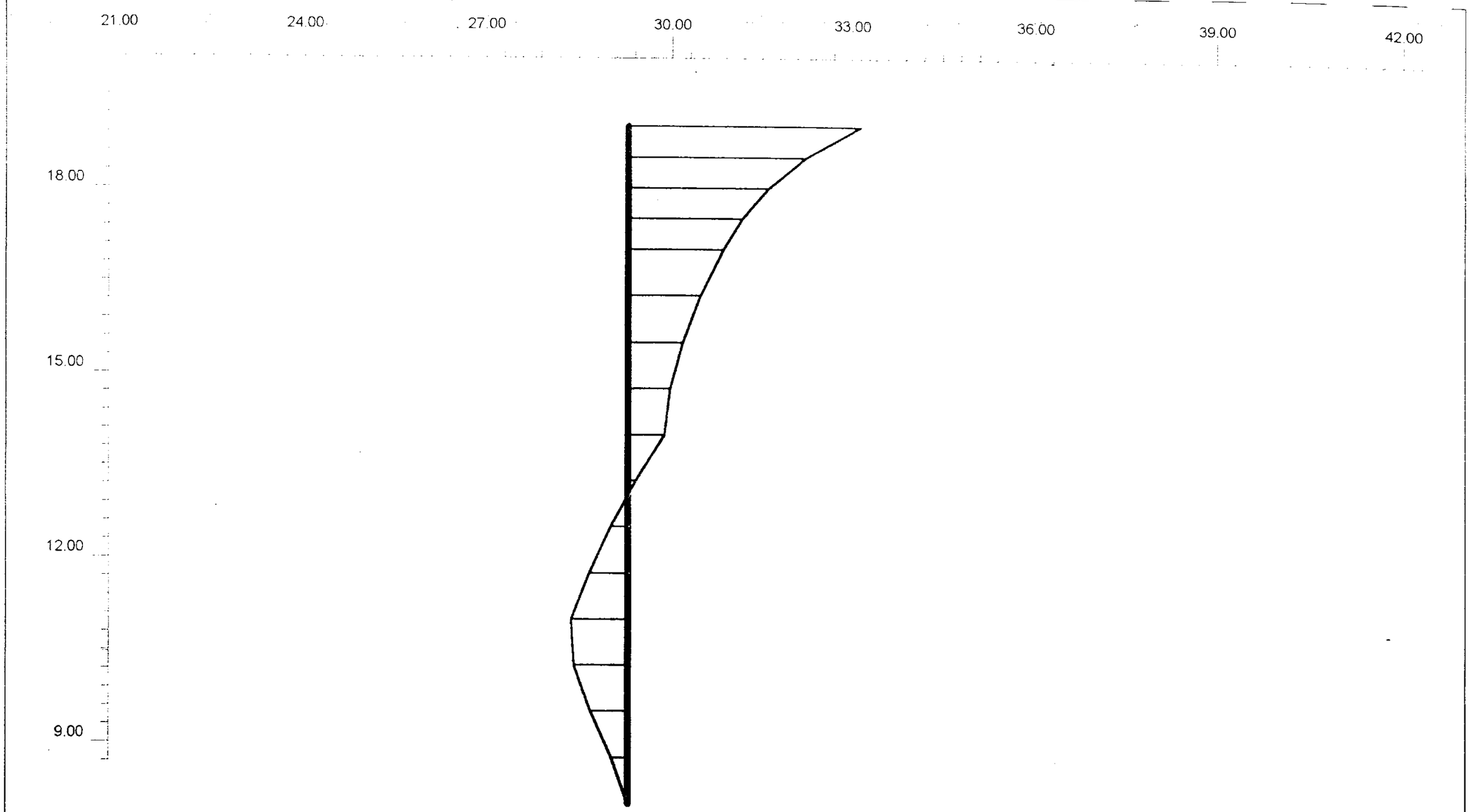
Axial forces
Extreme axial force -182,44 kN/m

PLAXIS
Finite Element Code for Soil and Rock Analyses

Project description
TENOR FLETA_B3 (PILOT DER.FASE3)

Project name	*Step*	*Date*	*User name*
TENOR FLET...	17	19/03/01	Universidad Politecnica de Madrid

Version 7.1.6.97



Bending moment
Extreme bending moment 23,43 kNm/m

PLAXIS
Finite Element Code for Soil and Rock Analyses

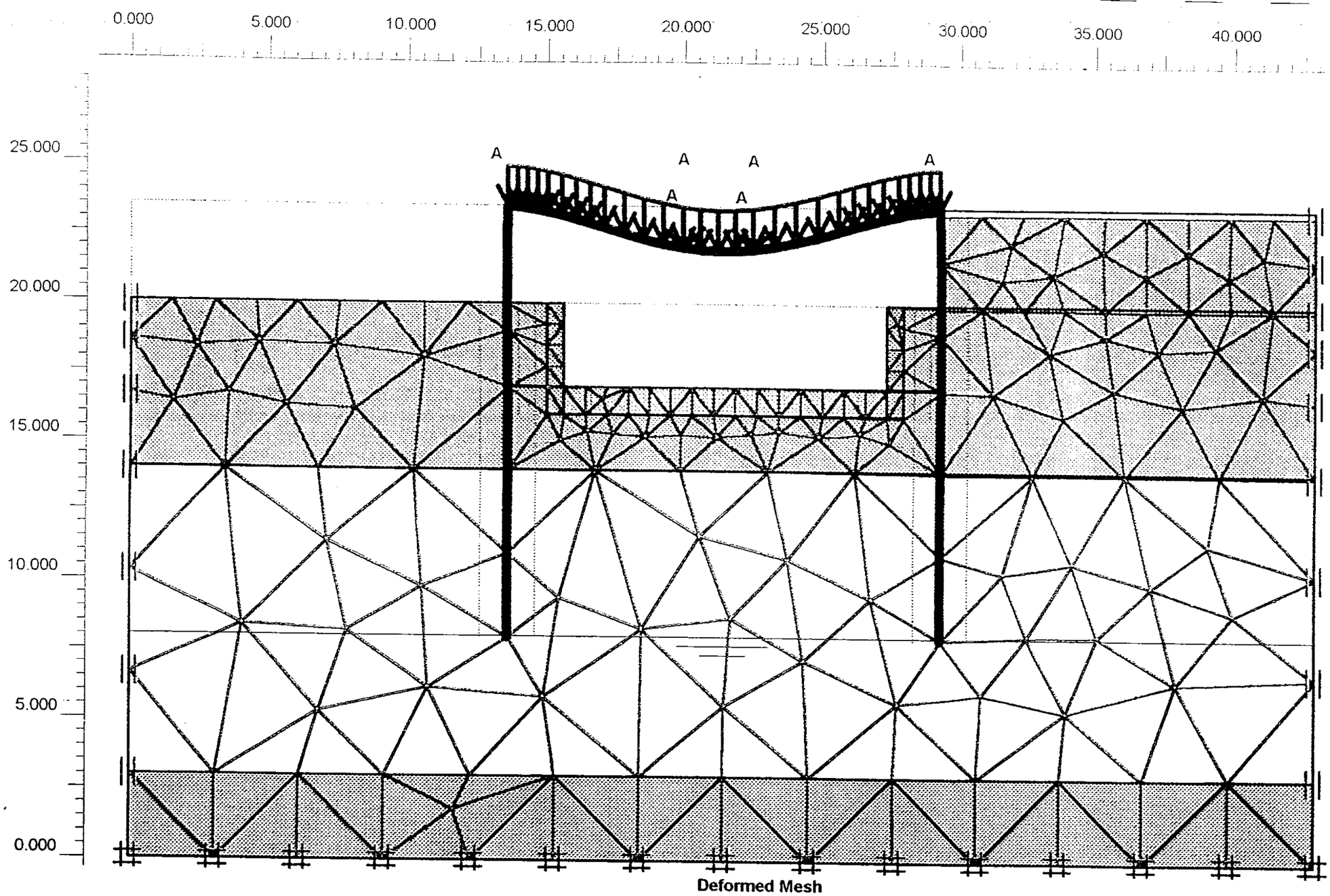
Project description
TENOR FLETA_B3 (PILOT DER.FASE3)

Project name	*Step*	*Date*	*User name*
TENOR FLET...	17	19/03/01	Universidad Politecnica de Madrid

Version 7.1.6.97

TENOR FLETA_B3

FASE 4. GRÁFICOS
(SOBRECARGAS EN CUBIERTA)



Deformed Mesh

Extreme total displacement $80{,}17*10^{-3}$ m

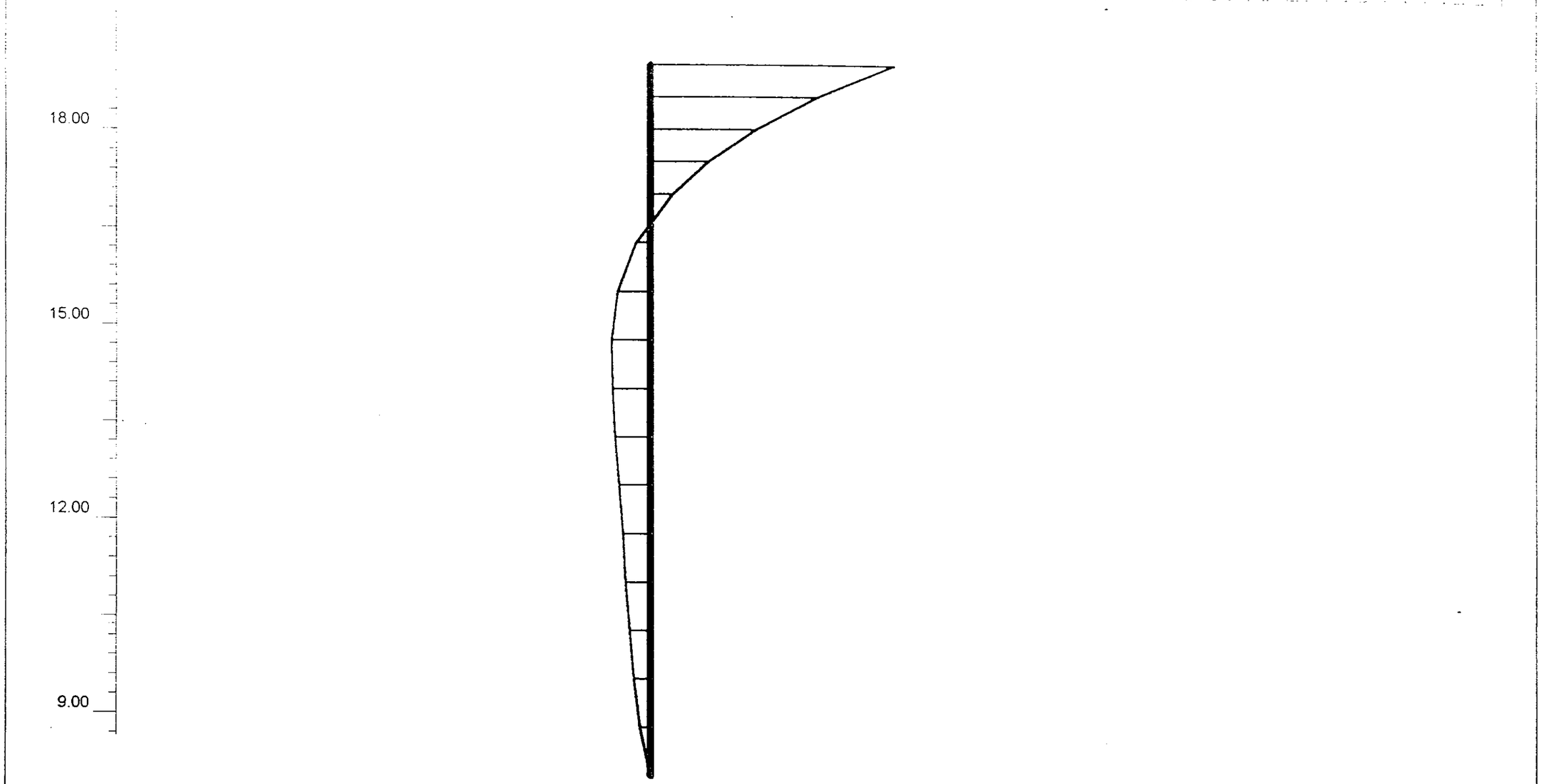
(displacements scaled up 20,00 times)

PLAXIS

Finite Element Code for Soil and Rock Analyses

Version 7.1.6.97

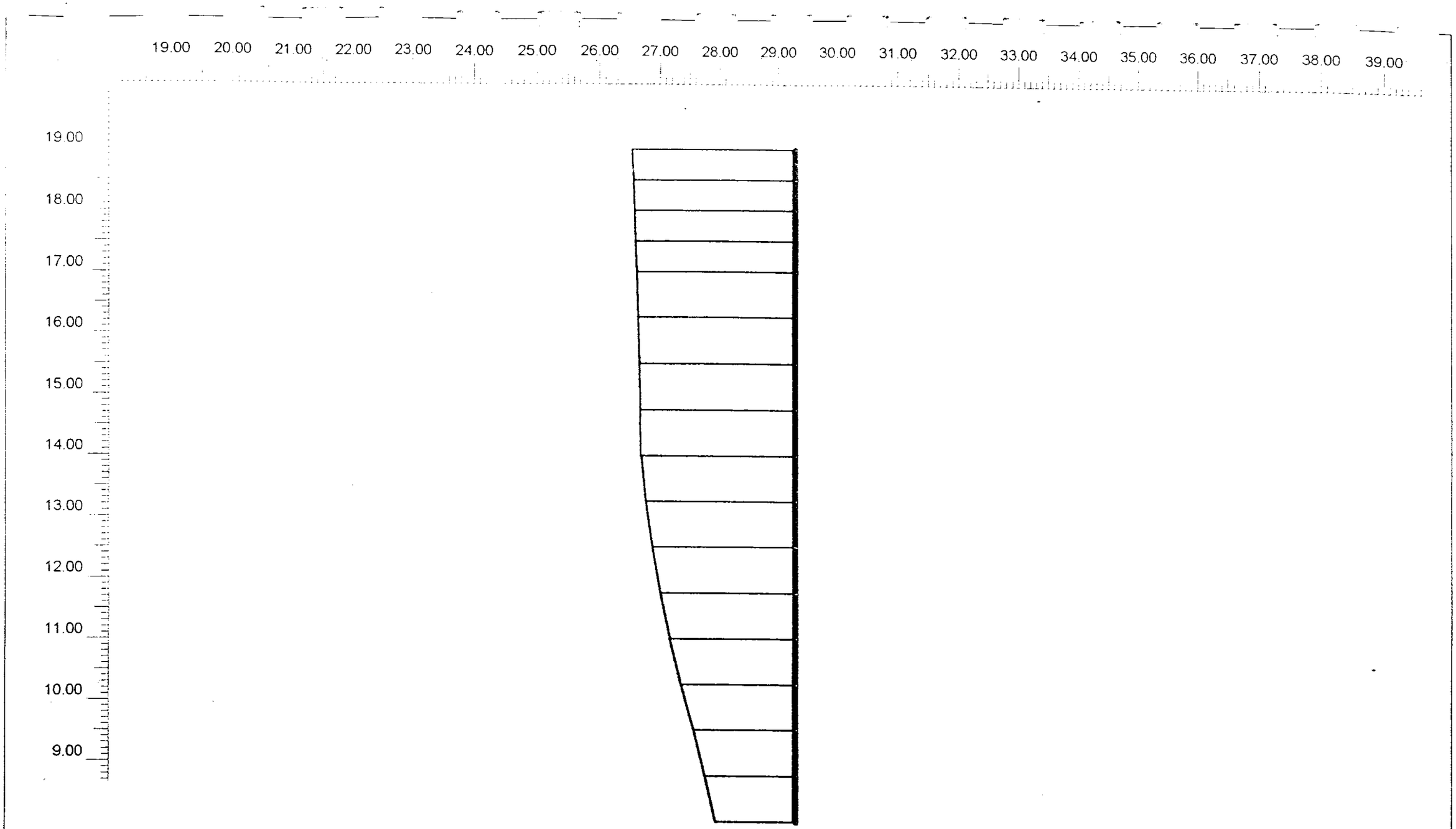
Project description			
TENOR FLETA_B3(FASE4)			
Project name	*Step*	*Date*	*User name*
TENOR FLET...	23	19/03/01	Universidad Politecnica de Madrid



Bending moment
Extreme bending moment 154,59 kNm/m

PLAXIS
Finite Element Code for Soil and Rock Analyses
Version 7.1.6.97

Project description			
TENOR FLETA_B3(PILOTE DER.FASE4)			
Project name	*Step*	*Date*	*User name*
TENOR FLET...	23	19/03/01	Universidad Politecnica de Madrid



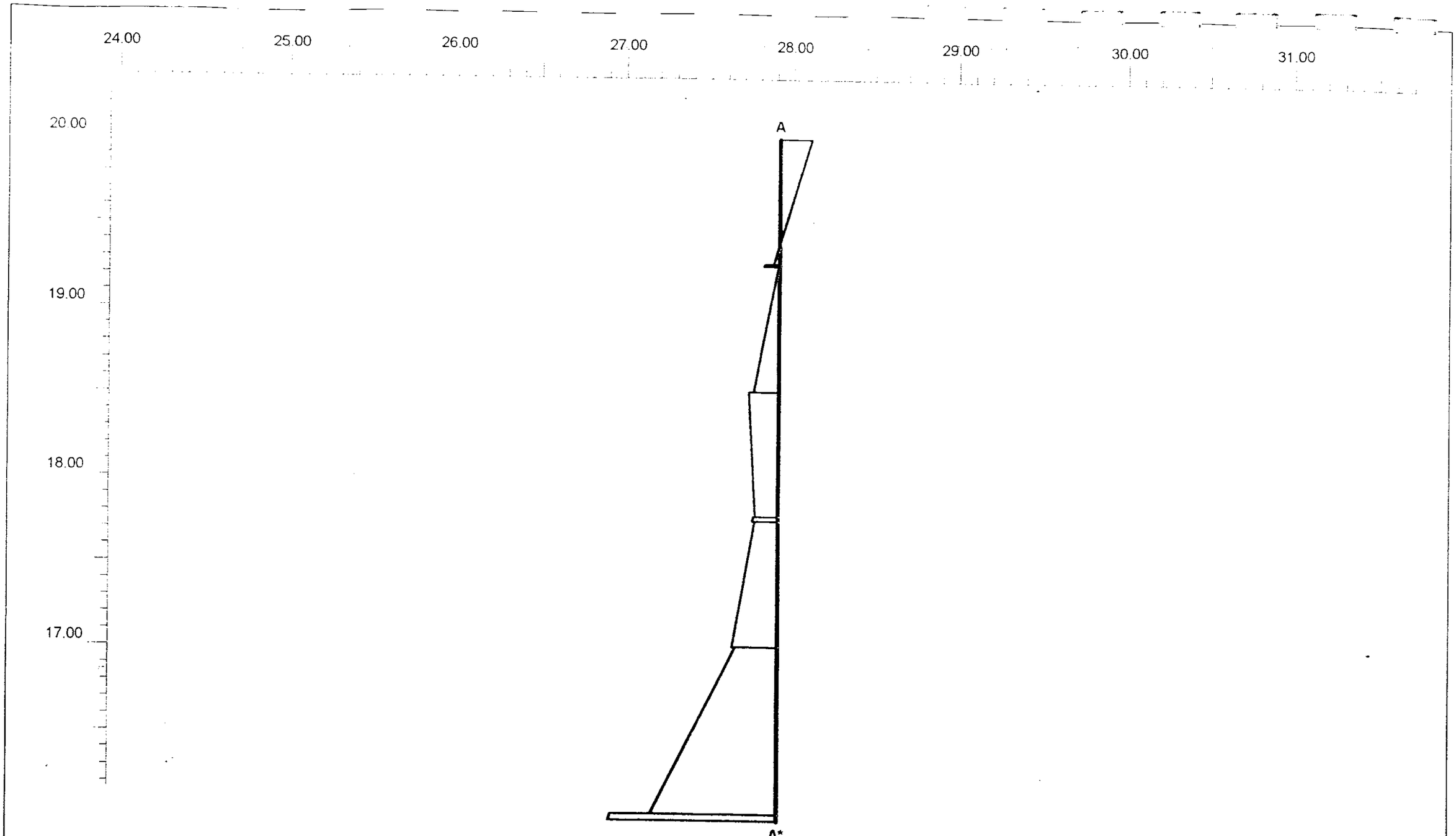
Axial forces
Extreme axial force -375,76 kN/m

PLAXIS
Finite Element Code for Soil and Rock Analyses

Project description
TENOR FLETA_B3(PILOTE DER.FASE4)

Project name	*Step*	*Date*	*User name*
TENOR FLET...	23	19/03/01	Universidad Politecnica de Madrid

Version 7.1.6.97



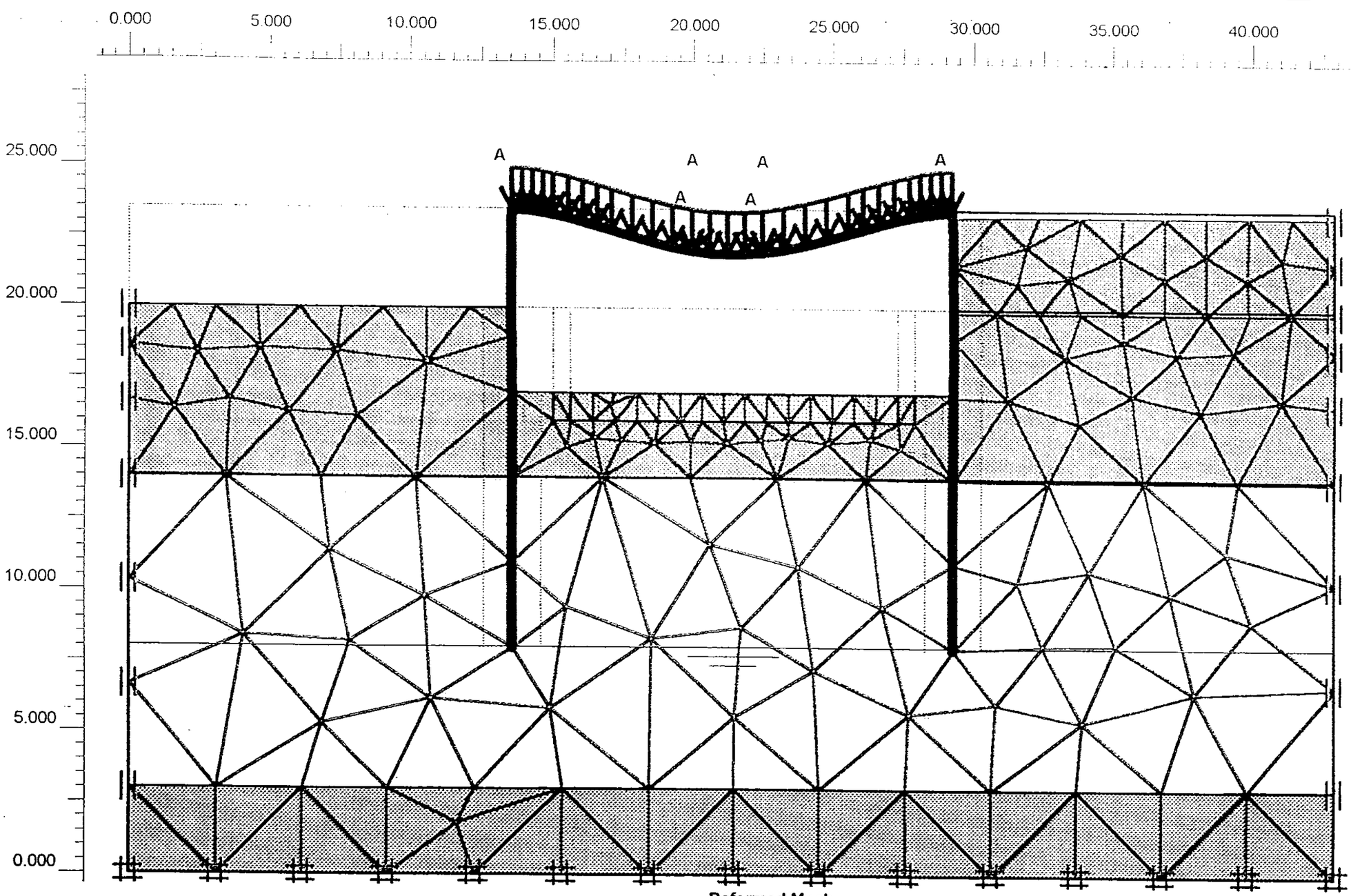
Effective normal stresses
Extreme effective normal stress -36,84 kN/m^2

PLAXIS
Finite Element Code for Soil and Rock Analyses
Version 7.1.6.97

Project description			
TENOR FLETA_B3(MURO DER.FASE4)			
Project name	Step	Date	User name
TENOR FLET...	23	19/03/01	Universidad Politecnica de Madrid

TENOR FLETA_**B3**

FASE 5. GRÁFICOS
(DEMOLICIÓN DE MUROS)



Deformed Mesh

Extreme total displacement $79{,}70*10^{-3}$ m

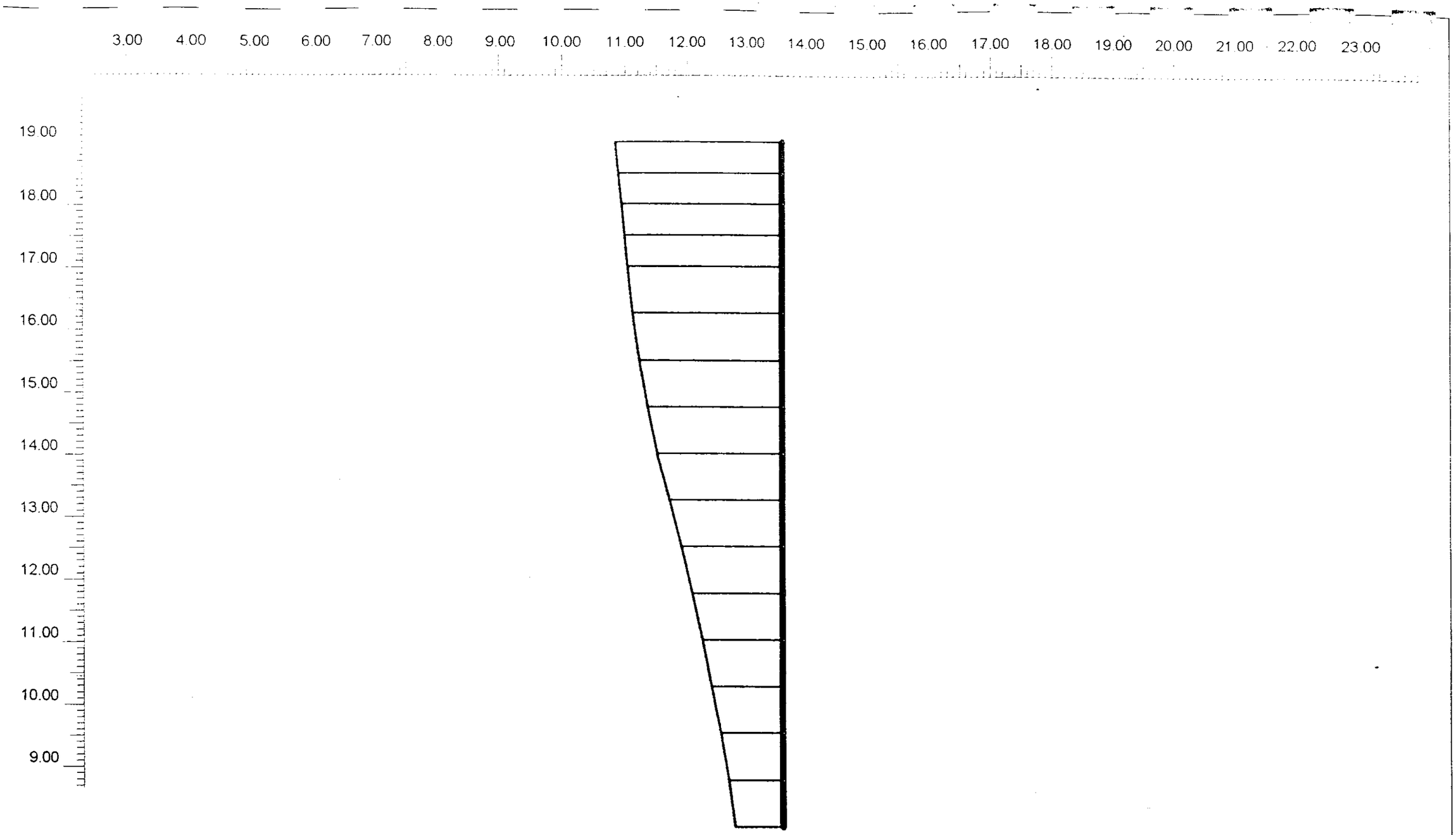
(displacements scaled up 20,00 times)

PLAXIS

Finite Element Code for Soil and Rock Analyses

Version 7.1.6.97

Project description			
TENOR FLETA_B3(FASE5)			
Project name	*Step*	*Date*	*User name*
TENOR FLET...	29	19/03/01	Universidad Politecnica de Madrid



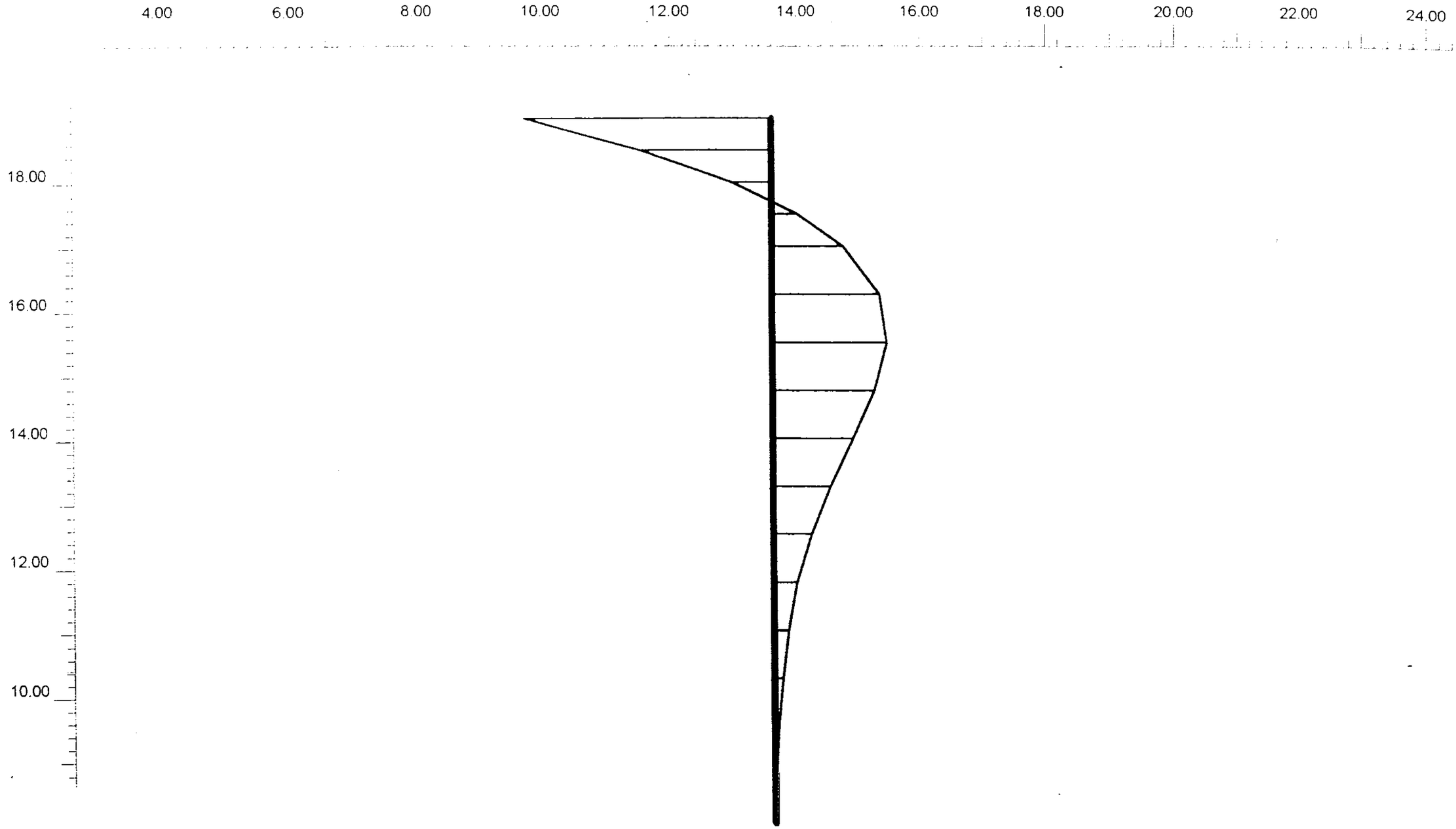
Axial forces
Extreme axial force -371,91 kN/m

PLAXIS
Finite Element Code for Soil and Rock Analyses

Project description
TENOR FLETA_B3(PILOTE IZQ.FASE5)

Project name	*Step*	*Date*	*User name*
TENOR FLET...	29	19/03/01	Universidad Politecnica de Madrid

Version 7.1.6.97



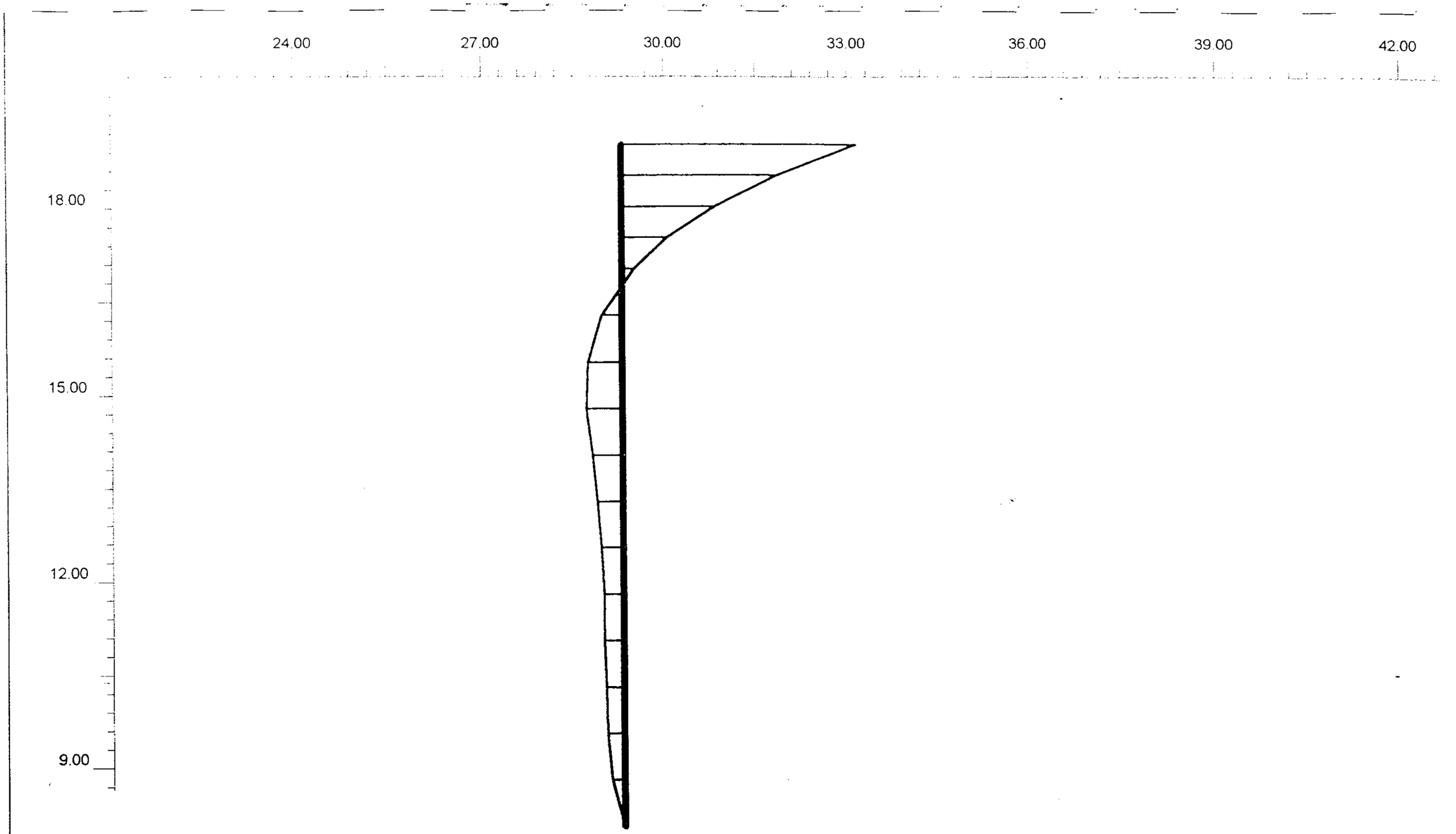
Bending moment
Extreme bending moment -121,60 kNm/m

PLAXIS
Finite Element Code for Soil and Rock Analyses

Project description
TENOR FLETA_B3(PILOTE IZQ.FASE5)

Project name	*Step*	*Date*	*User name*
TENOR FLET...	29	19/03/01	Universidad Politecnica de Madrid

Version 7.1.6.97



Bending moment
Extreme bending moment 149,74 kNm/m

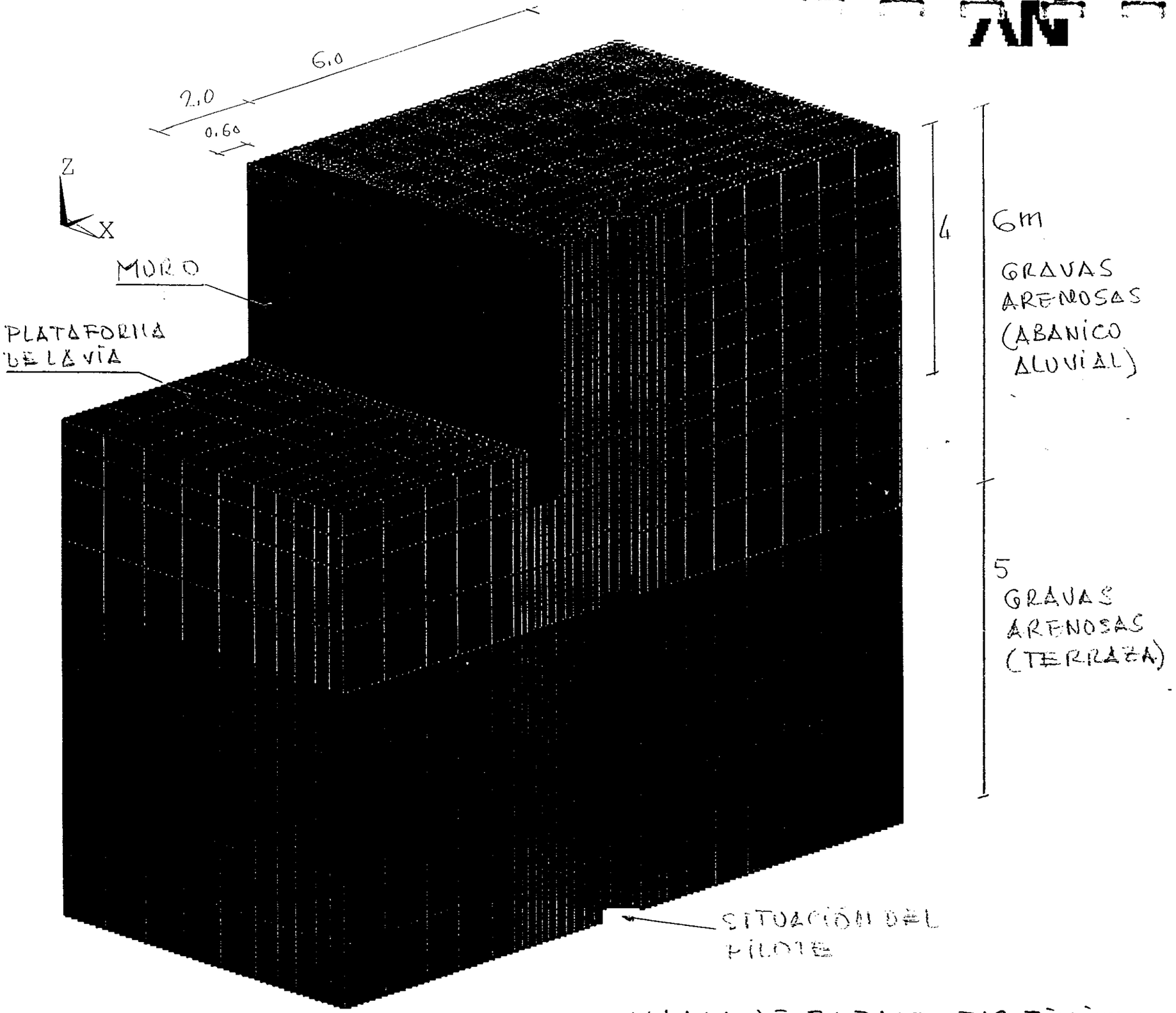
PLAXIS
Finite Element Code for Soil and Rock Analyses

Project description
TENOR FLETA_B3(PILOTE DER.FASE5)

Project name	*Step*	*Date*	*User name*
TENOR FLET...	29	19/03/01	Universidad Politecnica de Madrid

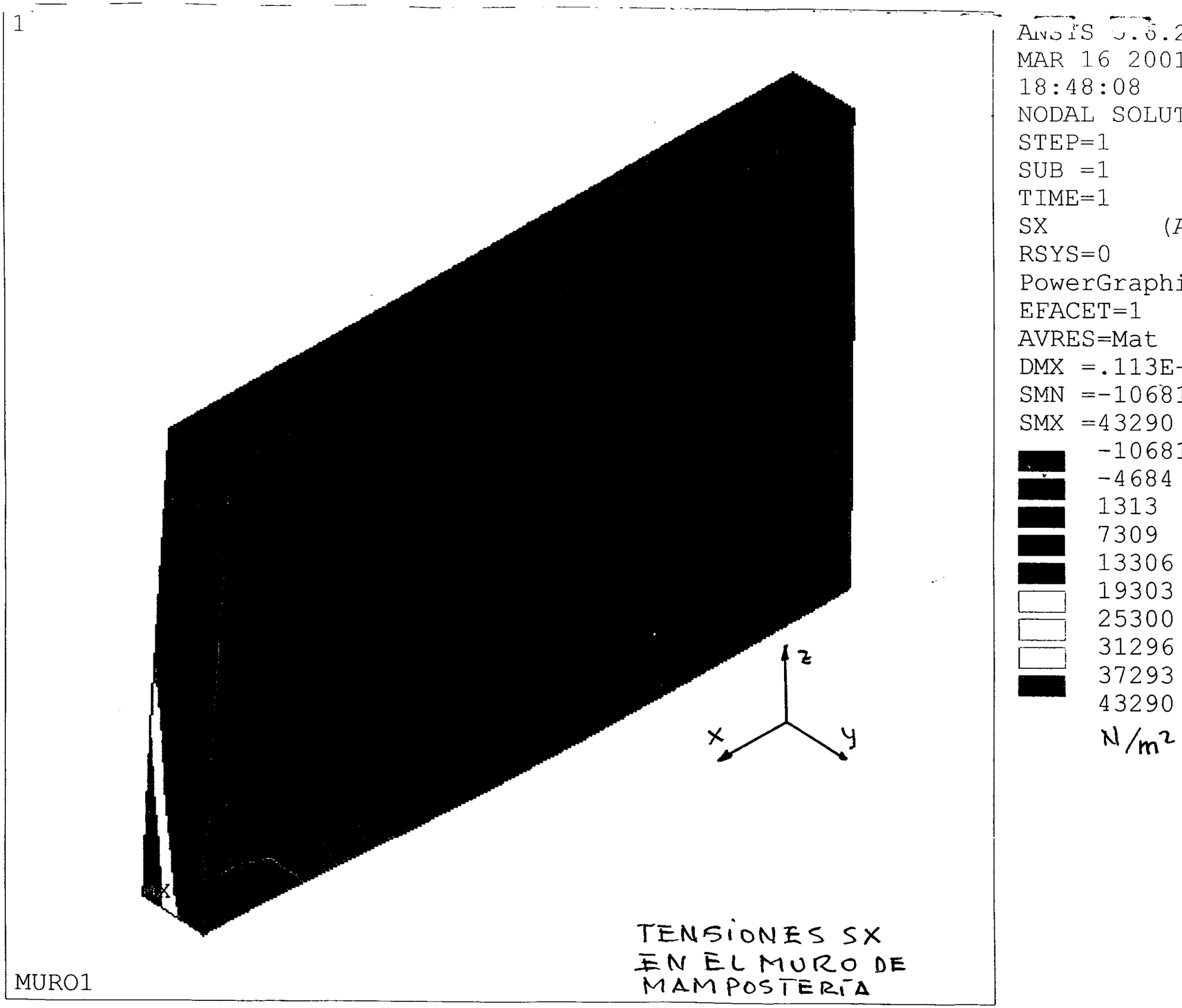
Version 7.1.6.97

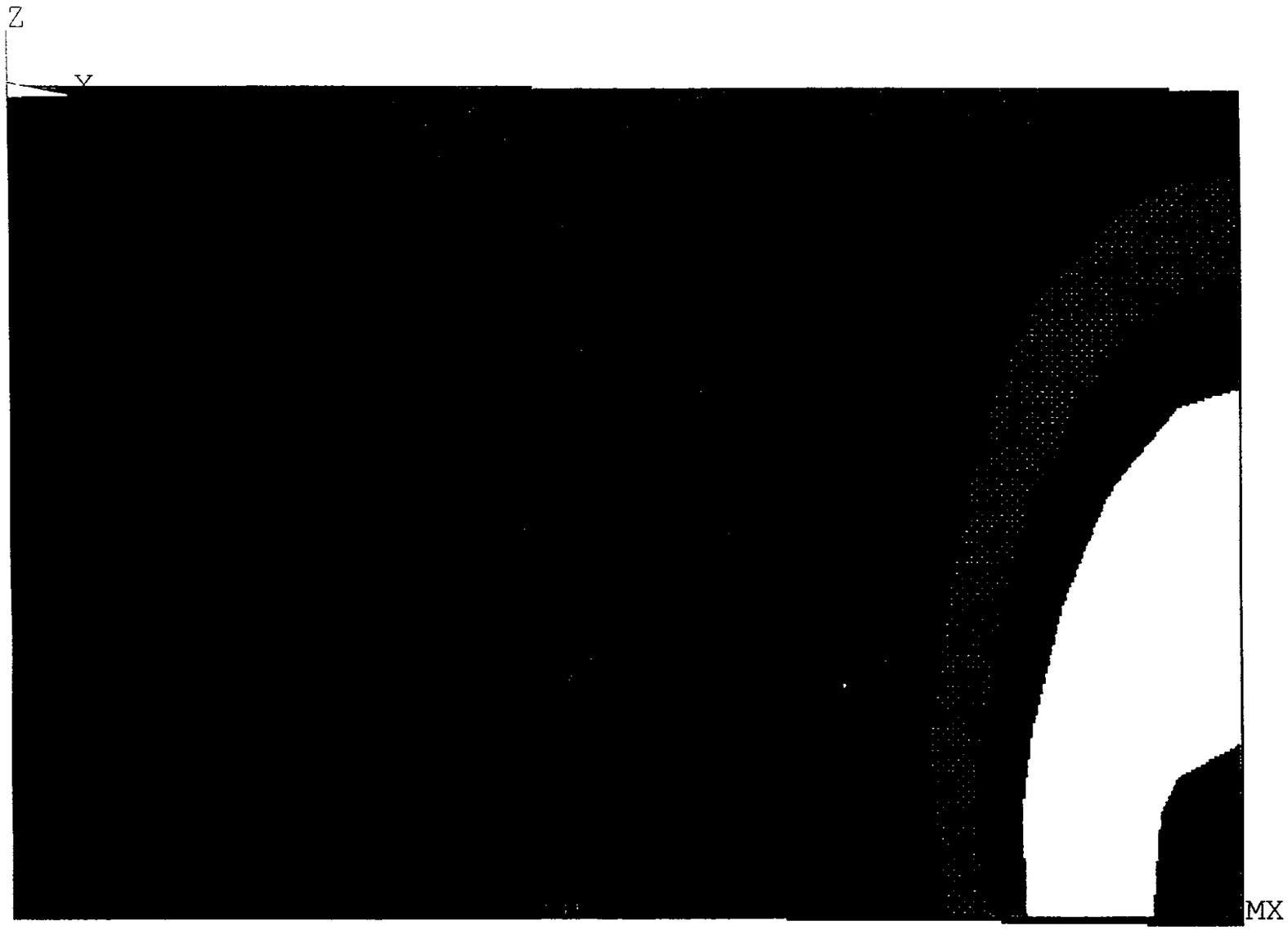
Muro 1. Gráficos. Tensiones sobre el muro originadas por el hormigón fresco



MALLA DE ELEMENTOS FINITOS

MURO1


1
ANSYS 5.6.2
MAR 16 2001
18:48:08
NODAL SOLUTION
STEP=1
SUB =1
TIME=1
SX (AVG)
RSYS=0
PowerGraphics
EFACET=1
AVRES=Mat
DMX =.113E-03
SMN =-10681
SMX =43290
-10681
-4684
1313
7309
13306
19303
25300
31296
37293
43290
N/m2
Z
X
Y
MURO1
TENSIONES SX
EN EL MURO DE
MAMPOSTERIA



ANSYS 5.3.2
MAR 16 2001
18:50:47
NODAL SOLUTION
STEP=1
SUB =1
TIME=1
SX (AVG)
RSYS=0
PowerGraphics
EFACET=1
AVRES=Mat
DMX =.113E-03
SMN =-10681
SMX =43290

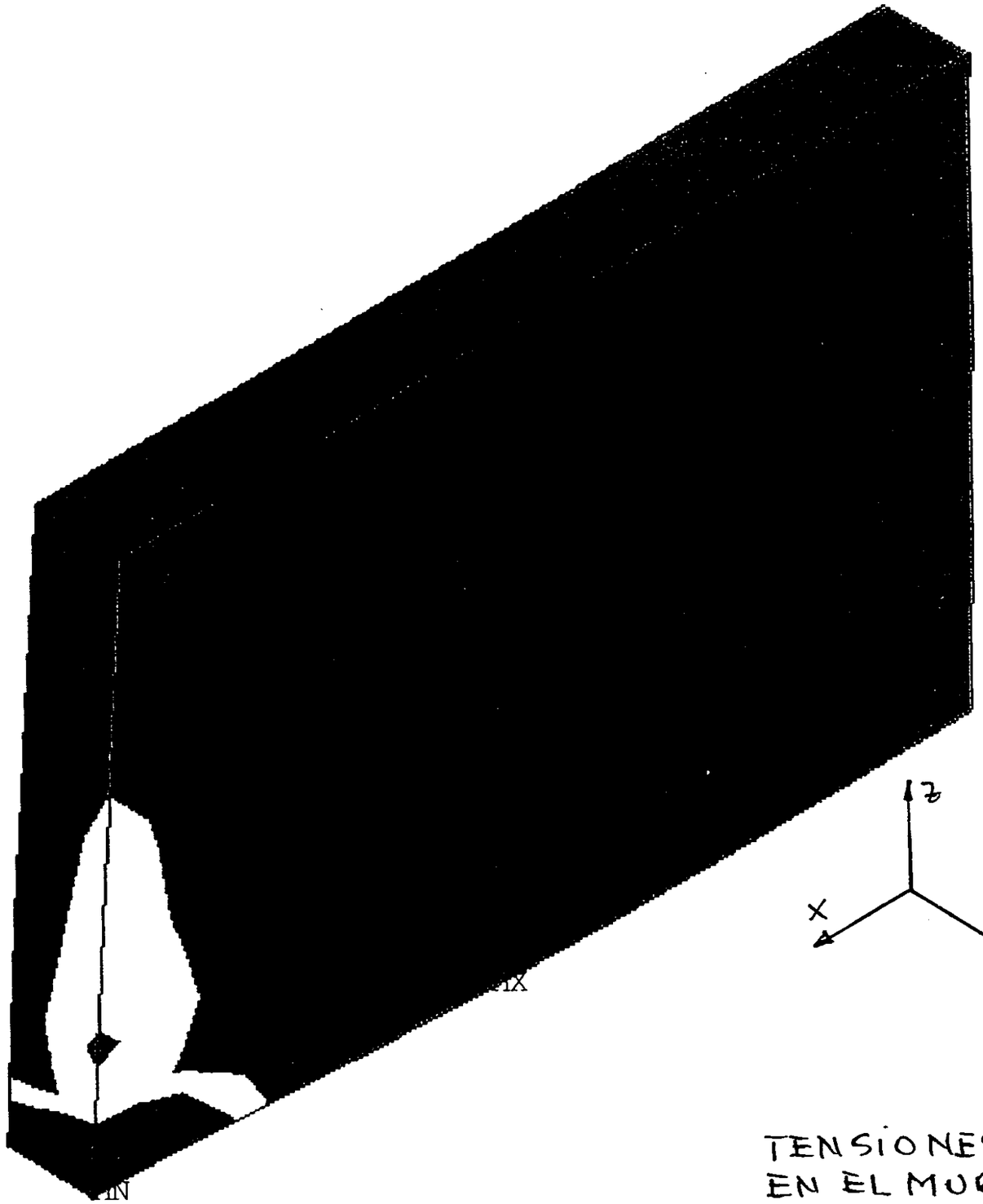
-10681
-4684
1313
7309
13306
19303
25300
31296
37293
43290

N/m²

CARA DE INTRADÓS
TENSIONES SX
EN EL MURO DE
MAMPOSTERÍA.

MURO1

1



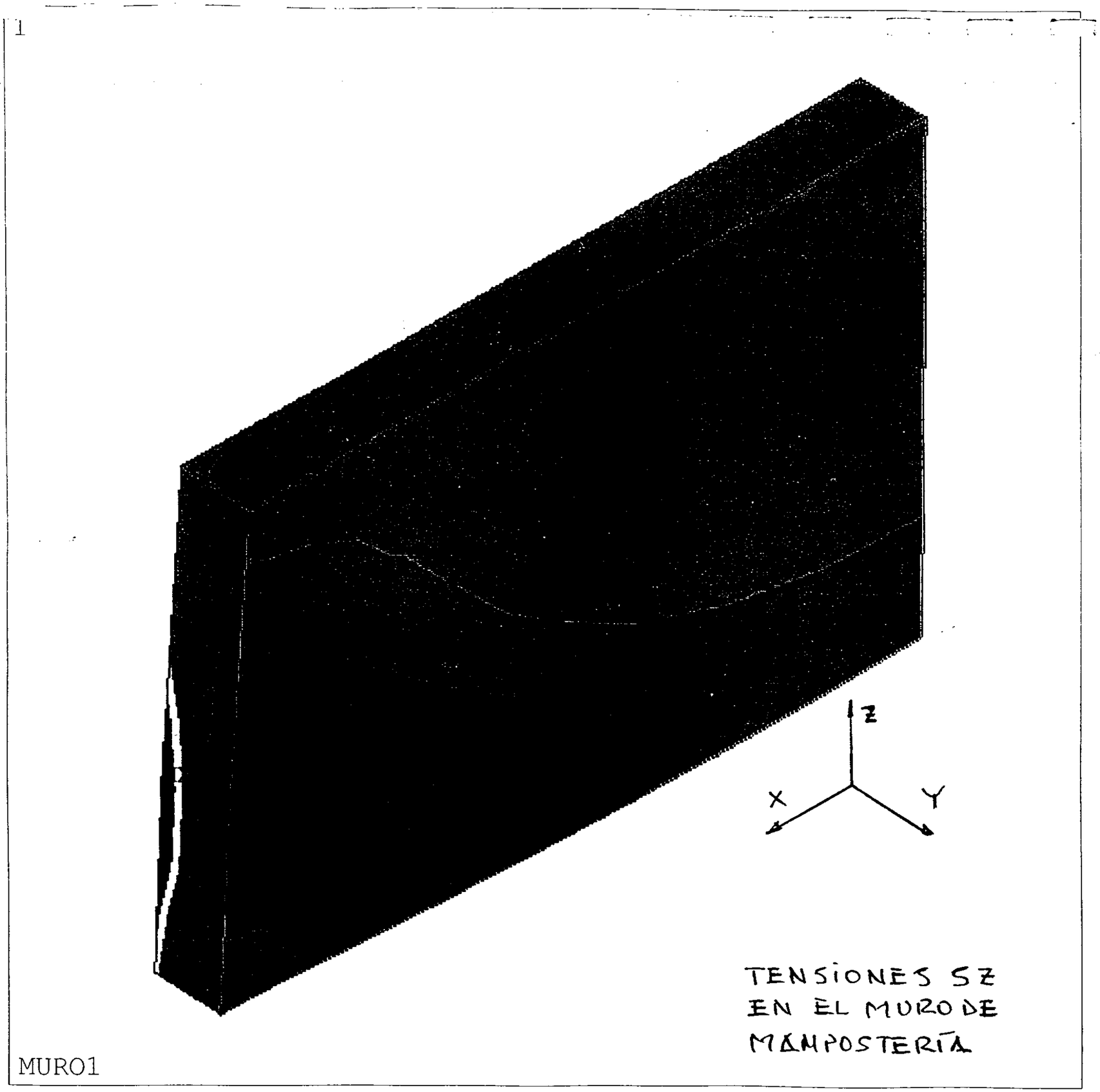
ANSYS 5.6.2
MAR 16 2001
18:51:53
NODAL SOLUTION
STEP=1
SUB =1
TIME=1
SY (AVG)
RSYS=0
PowerGraphics
EFACET=1
AVRES=Mat
DMX =.113E-03
SMN =-27515
SMX =4633

-27515
-23943
-20371
-16799
-13227
-9655
-6083
-2511
1061
4633

N/m²

TENSIONES SY EN EL MURO DE MAMPOSTERIA

MURO1



TENSIONES SZ EN EL MURO DE MAMPOSTERÍA

ANSYS 5.5.2
MAR 16 2001
18:49:22
NODAL SOLUTION
STEP=1
SUB =1
TIME=1
SZ (AVG)
RSYS=0
PowerGraphics
EFACET=1
AVRES=Mat
DMX =.113E-03
SMN =-5472
SMX =10205

-5472
-3730
-1988
-246.182
1496
3238
4980
6722
8463
10205

N/m²

ANEJO Nº 11 ESTRUCTURAS

ANEXO 1

CÁLCULO DE LA CIMENTACIÓN Y HASTIALES DEL TÚNEL ARTIFICIAL

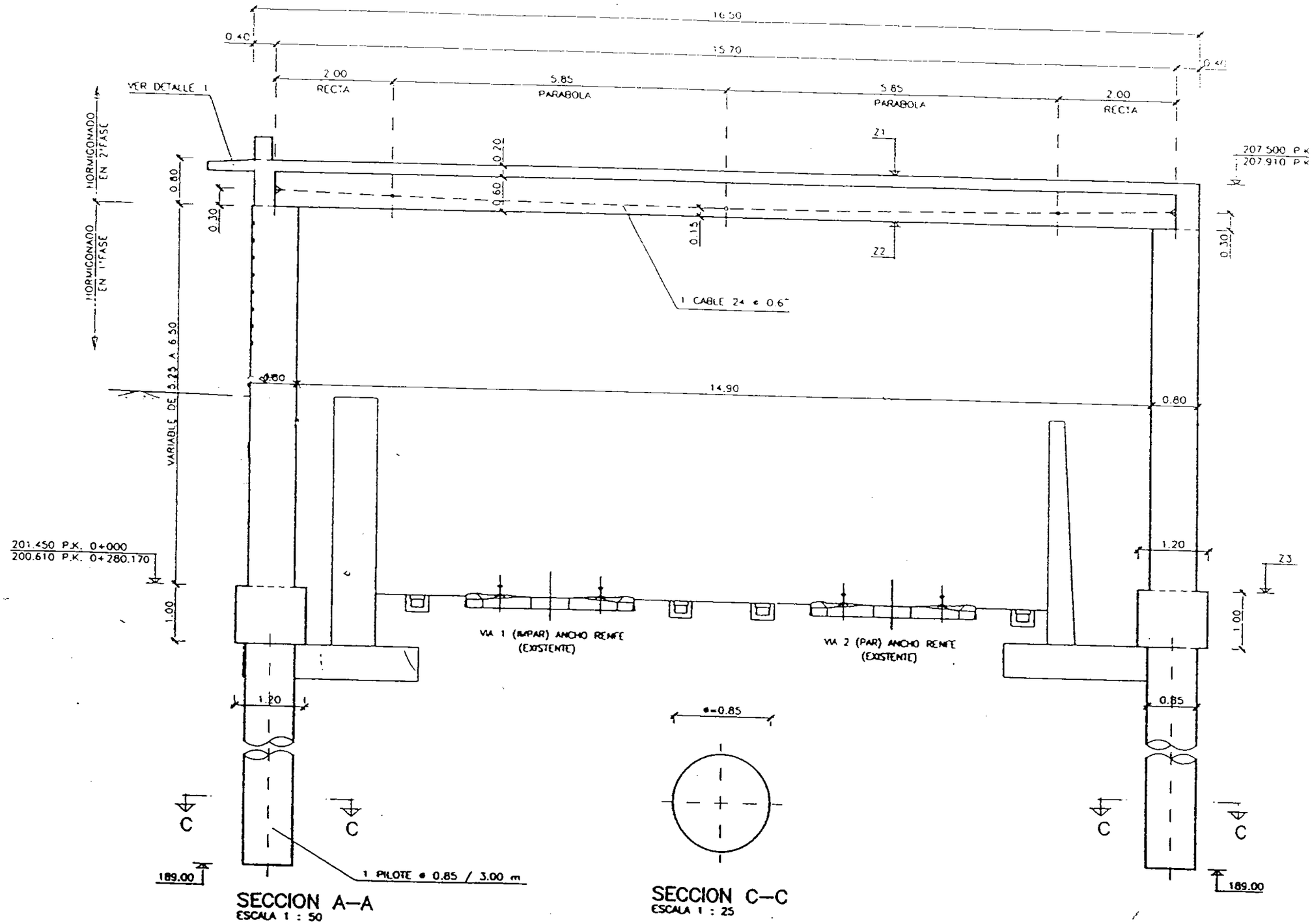

16.50
0.40
15.70
0.40
2.00
RECTA
5.85
PARABOLA
5.85
PARABOLA
2.00
RECTA
VER DETALLE 1
HORMIGONADO EN 2ª FASE
HORMIGONADO EN 1ª FASE
0.80
0.30
0.20
0.60
0.15
Z1
Z2
207.500 P.K.
207.910 P.K.
0.30
1 CABLE 24 ø 0.6"
VARIABLE DE 3.23 A 6.50
0.80
14.90
0.80
201.450 P.K. 0+000
200.610 P.K. 0+280.170
1.00
1.20
Z3
1.00
VIA 1 (IMPAR) ANCHO RENFE (EXISTENTE)
VIA 2 (PAR) ANCHO RENFE (EXISTENTE)
1.20
ø=0.85
0.85
C
C
C
C
189.00
1 PILOTE ø 0.85 / 3.00 m
189.00
SECCION A–A
ESCALA 1 : 50
SECCION C–C
ESCALA 1 : 25

FIGURA 1

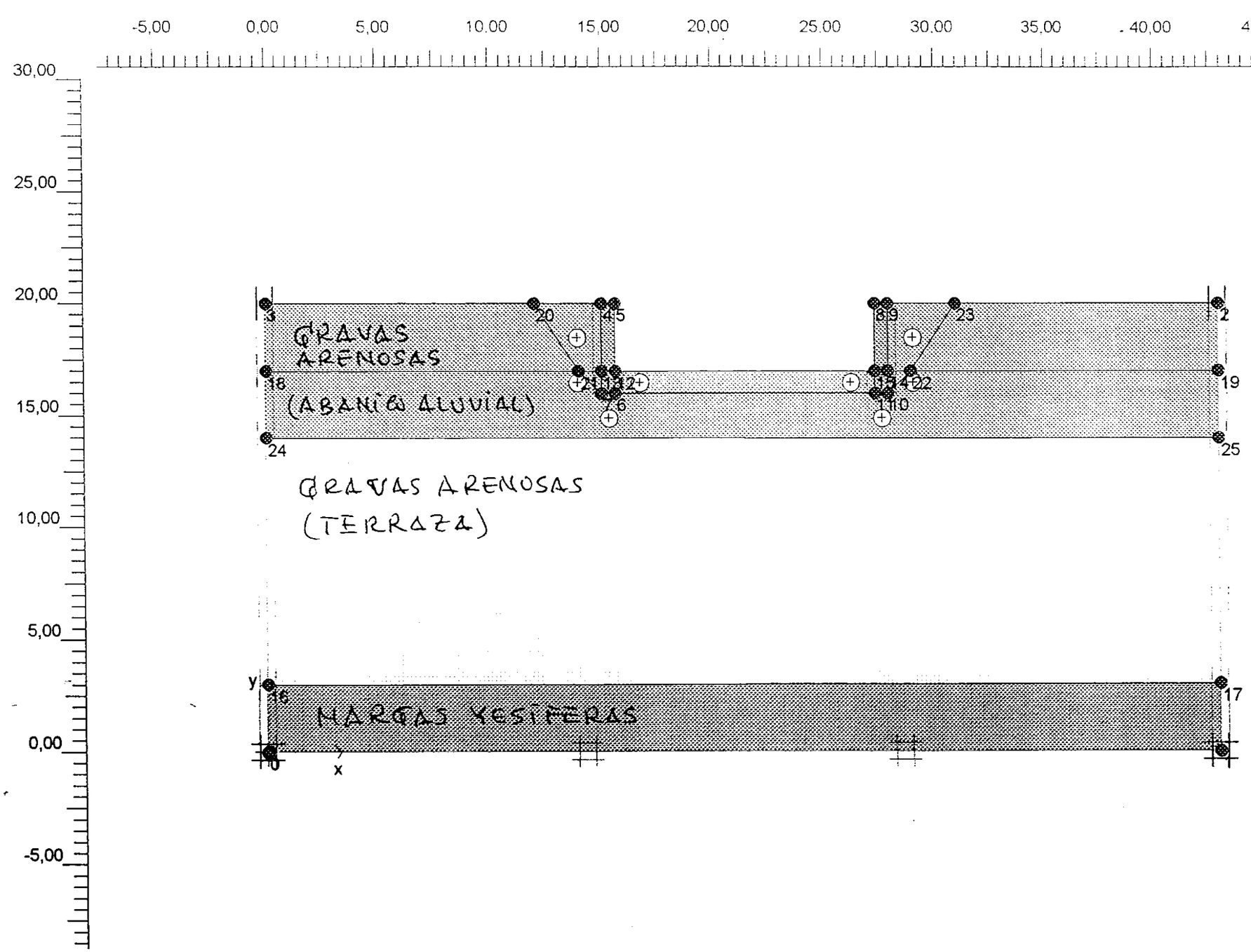


FIGURA 2

PLAXIS
Finite Element Code for Soil and Rock Analyses

Version 7.1.6.81

Project description		
TENOR FLETA_0		
Project name	Date	User name
TENOR FLETA...	22/03/01	Universidad Politecnica de Madrid

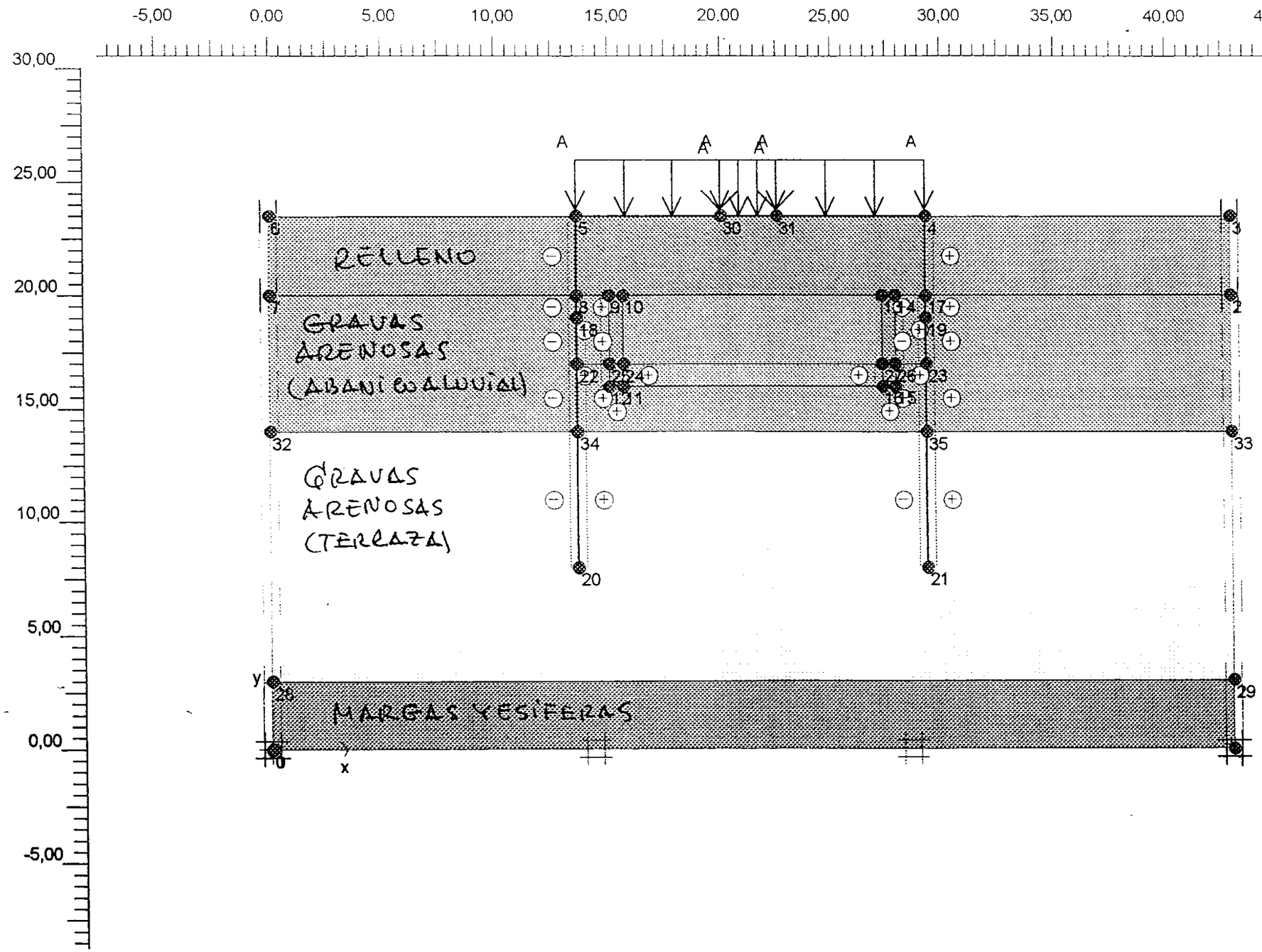
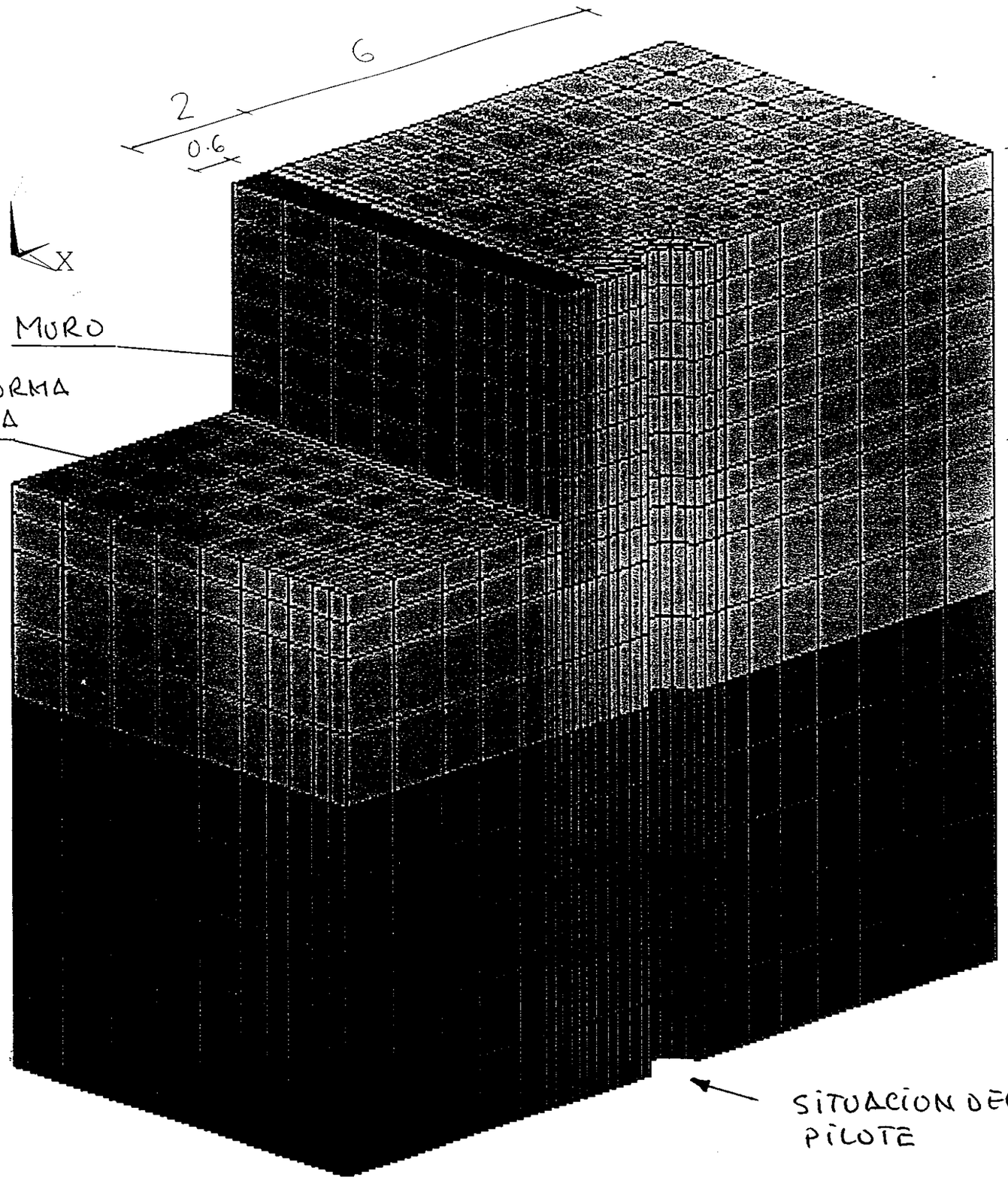


FIGURA 3

PLAXIS
Finite Element Code for Soil and Rock Analyses

Version 7.1.6.81

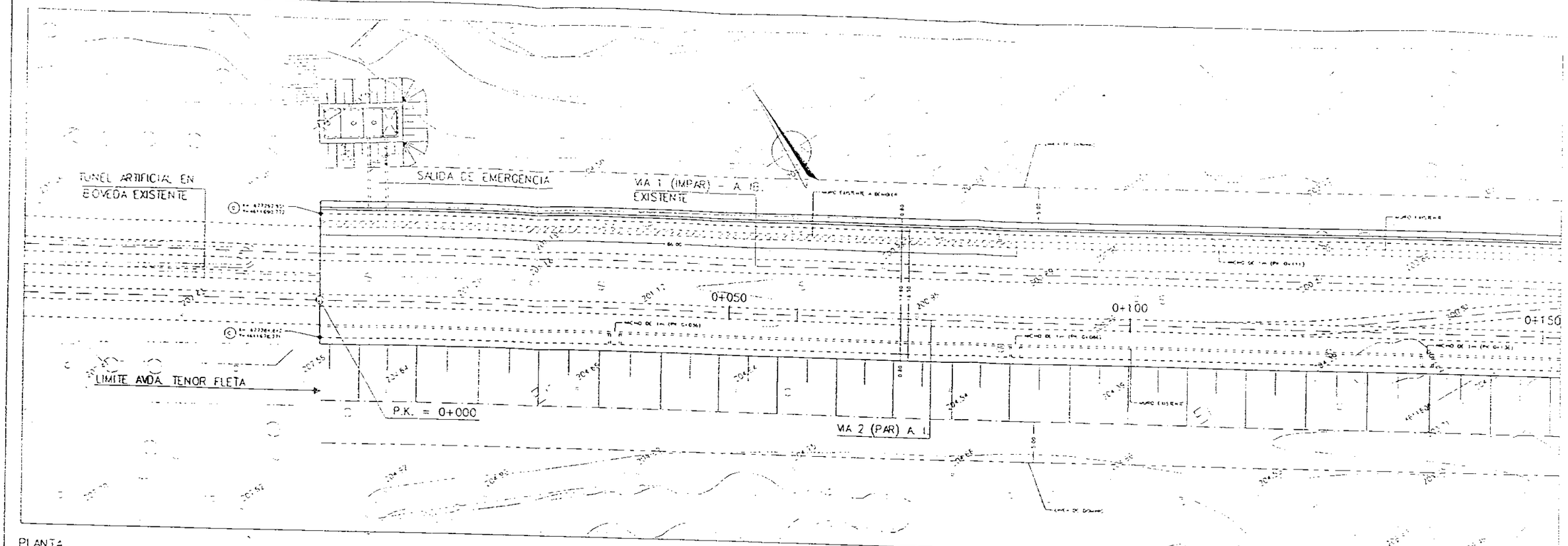
Project description			
TENOR FLETA_B1,B2,B3			
Project name	Date	User name	
TENOR FLETA...	22/03/01	Universidad Politecnica de Madrid	



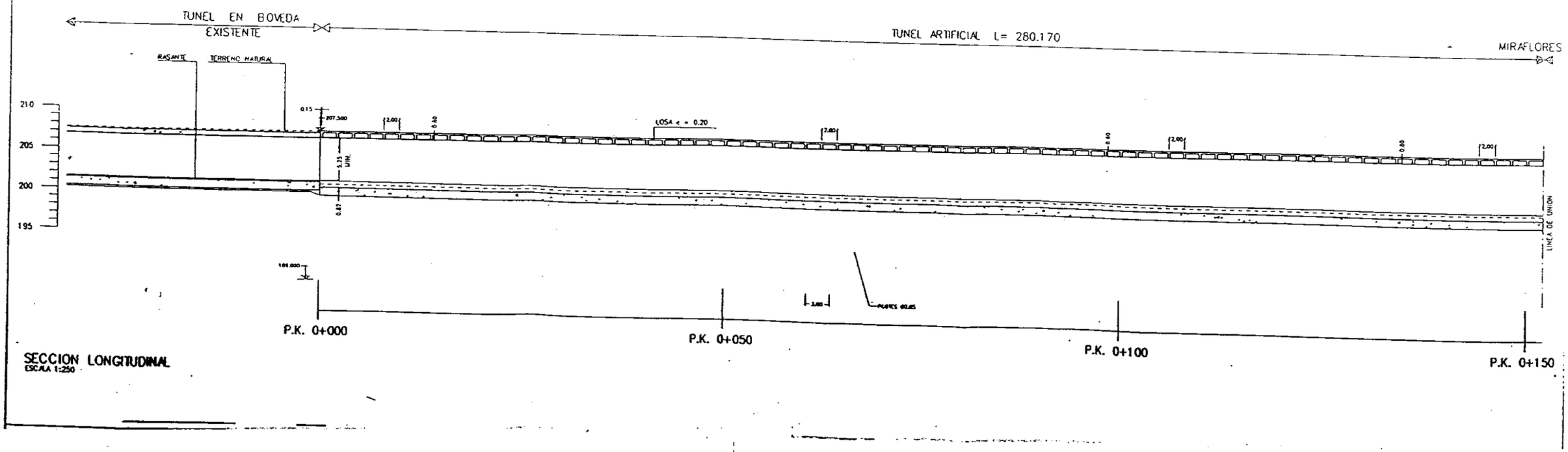
MURO1

FIGURA 4

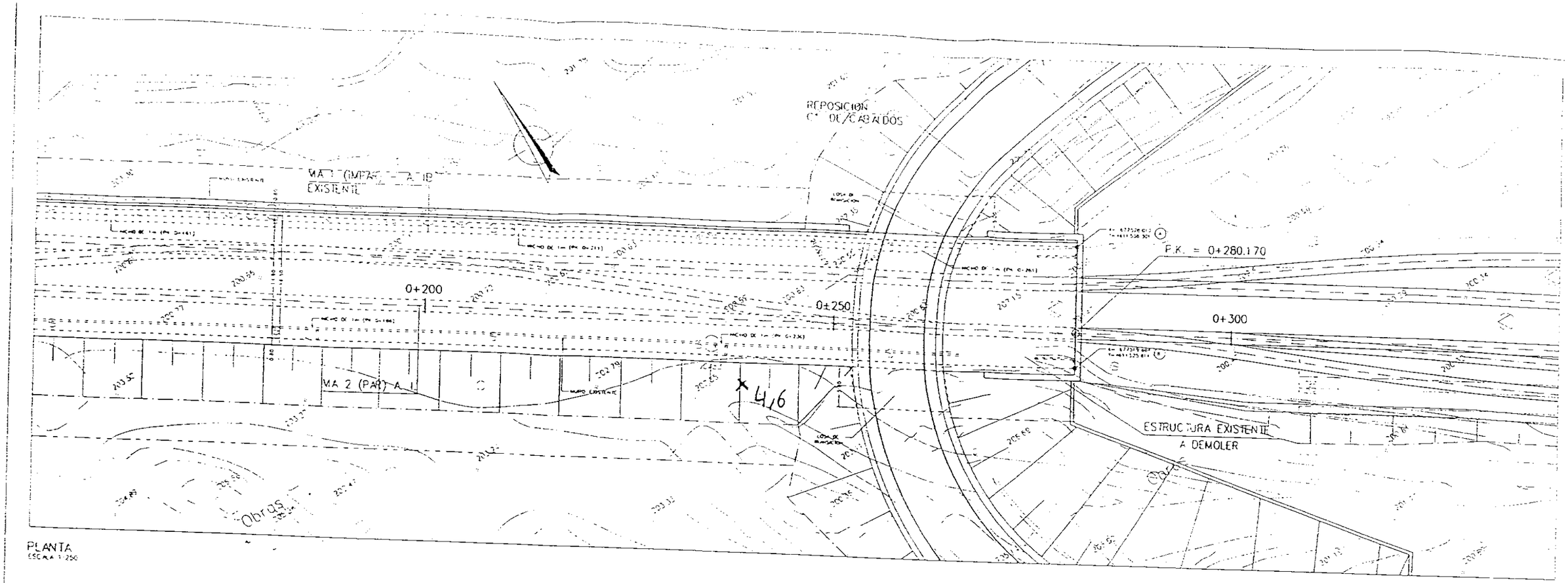
Apéndice A. Planos de Proyecto



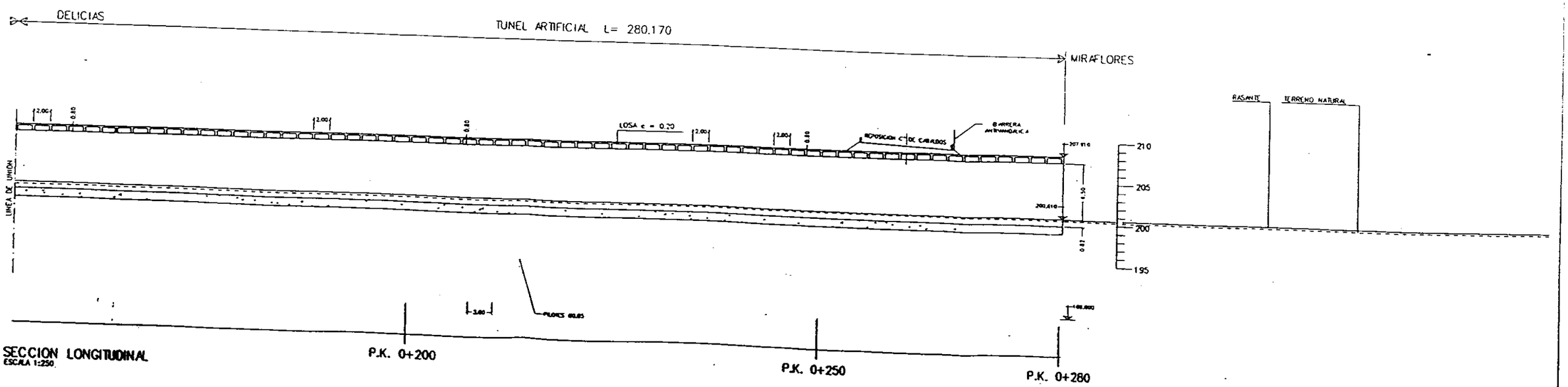
PLANTA
ESCALA 1:250



SECCION LONGITUDINAL
ESCALA 1:250



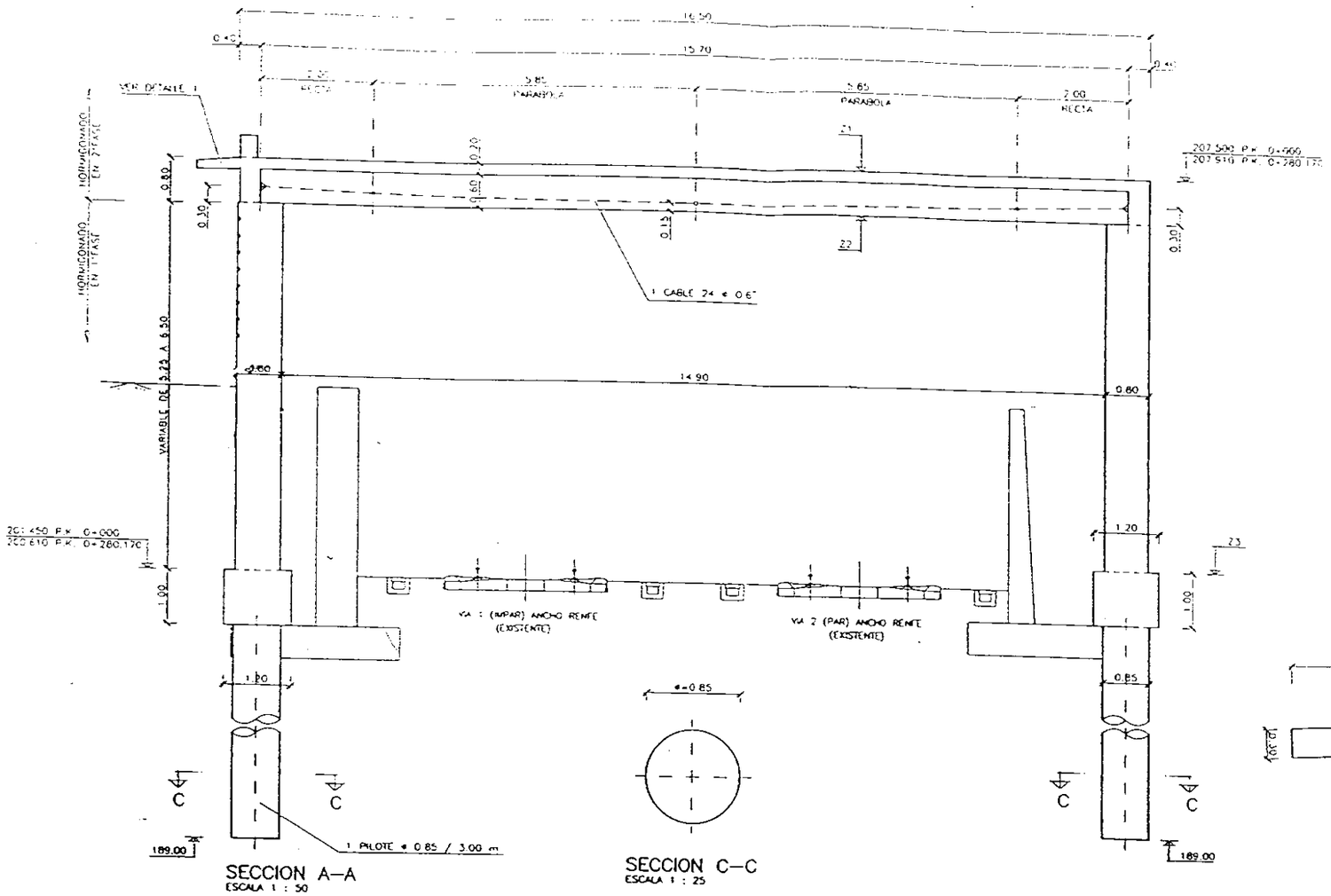
PLANTA
ESCALA 1:250



SECCION LONGITUDINAL
ESCALA 1:250

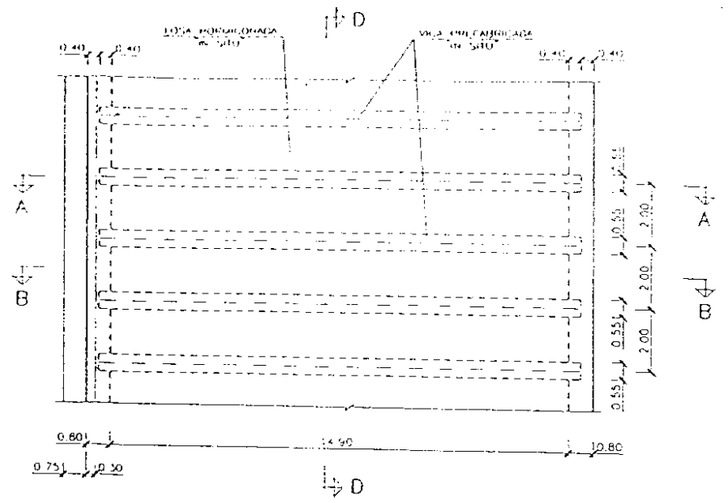
TABLA DE COTAS DEL CABLE DE PRETENSADO

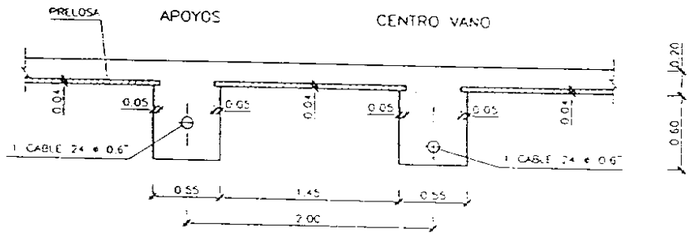
DISTANCIA DESDE UN EXTREMO (m)	0	0.785	1.57	2.355	3.14	3.925	4.71	5.495	6.28	7.065	7.85	8.635	9.42	10.205	10.99	11.775	12.56	13.345	14.13	14.915	15.7
COTA DESDE FONDO DE VIGA (cm)	30.0	27.6	25.2	22.9	20.8	19.0	17.6	16.4	15.6	15.2	15.0	15.2	15.6	16.4	17.6	19.0	20.8	22.9	25.2	27.6	30.0



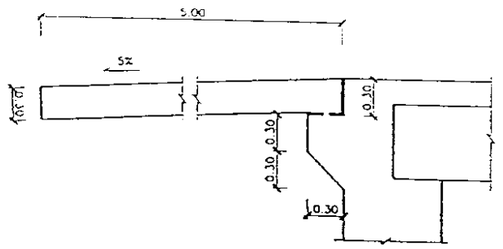
SECCION A–A
ESCALA 1 : 50

SECCION C–C
ESCALA 1 : 25

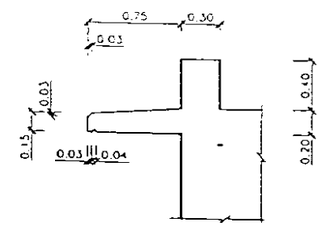




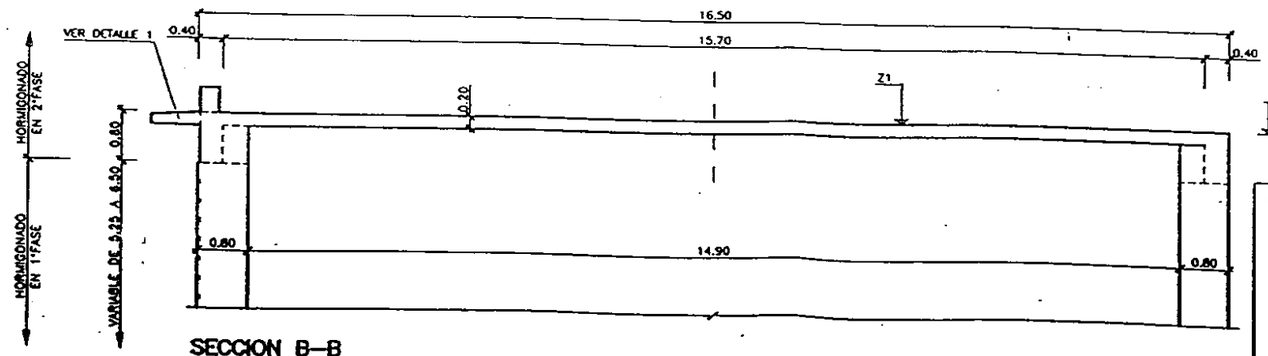
SECCION D–D
ESCALA 1 : 25



DETALLE DE LOSA DE TRANSICION ZONA CAMINO DE GABALDOS
ESCALA 1 : 25



DETALLE 1 DE VISERA y PETO
ESCALA 1 : 25



SECCION B–B
ESCALA 1 : 25

207.500 P.K. 0+000
207.910 P.K. 0+280.170

NOTA:

EL PRETENSADO DE LAS VIGAS SE LLEVARA A CABO CUANDO EL HORMIGON DE LAS MISMAS HAYA ALCANZADO UNA RESISTENCIA DE 45 MPa. LA FUERZA DE TESADO SERA DE 4788 KN. EL CABLE SE TESARA DESDE UN SOLO EXTREMO.

EL ALARGAMIENTO ESTIMADO, MEDIDO ANTES DE ENCLAVAR CUÑA SERA DE 113mm, ESTE VALOR CORRESPONDE A LOS SIGUIENTES PARAMETROS:

–ROZAMIENTO EN CURVA μ=0.21

–ROZAMIENTO PARASITO EN RECTA K=0.006 μ

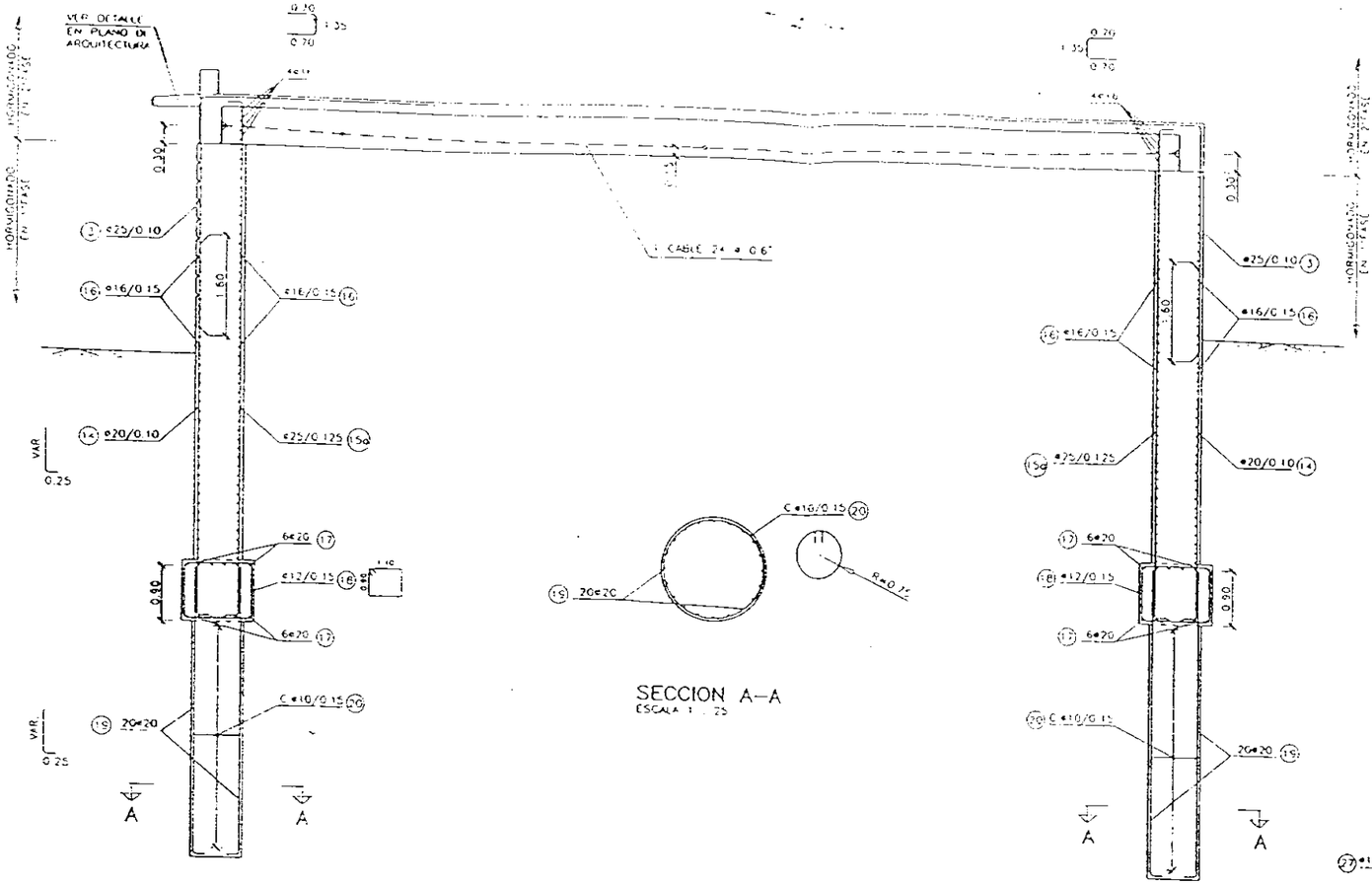
–MODULO DE DEFORMACION DEL ACERO PRETENSADO =185000 MPa.

CUADRO DE CARGAS CONSIDERADAS EN EL CALCULO

PESO PROPIO	DENSIDAD 25 kN/m3
CARGA MUERTA	CAPA DE 0.6 m DE DENSIDAD 23 Kn/m3
SOBRECARGAS DE USO	VEHICULO PESADO 600 Kn
	CARGA UNIFORME 4.0 Kn/m2
	CARGA EN TERRAPLEN 10 Kn/m2
ACCION DEL TERRENO	DENSIDAD 20 Kn/m3
ACCIONES TERMICAS Y REOLOGICAS	

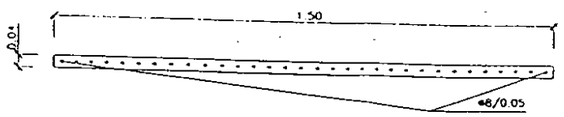
CUADRO DE REPLANTEO TÚNEL

	X	Y	Z1	Z2	Z3
A	677528.012	4611538.301	207.910	207.110	200.610
B	677518.884	4611525.811	207.910	207.110	200.610
C	677284.842	4611678.271	207.500	206.700	201.450
D	677292.951	4611690.772	207.500	206.700	201.450

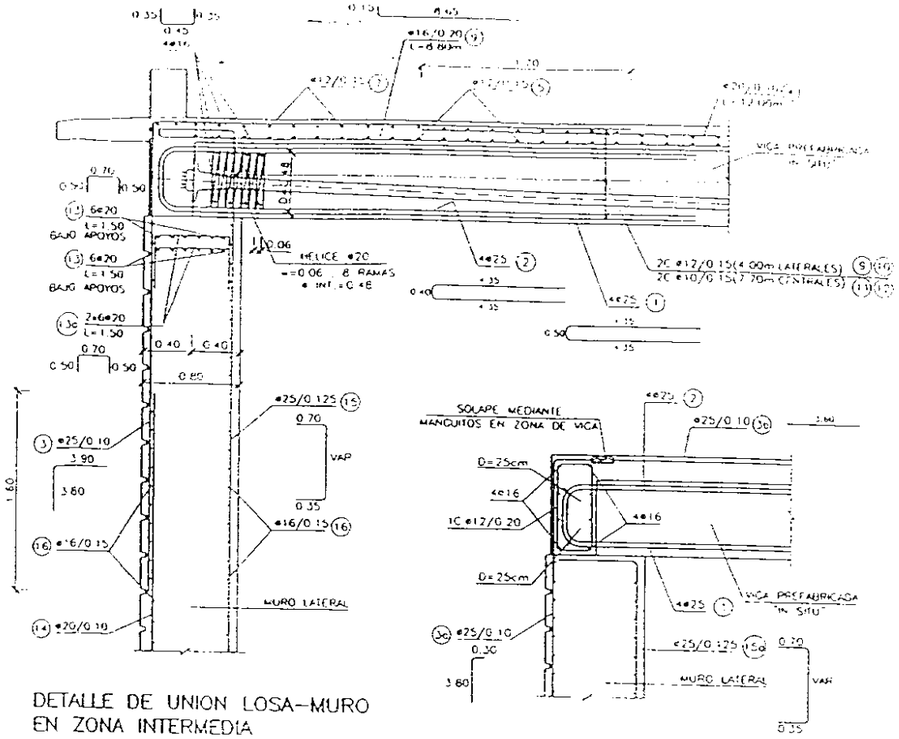


SECCION A–A
ESCALA 1 : 25

SECCION TRANSVERSAL DEFINITIVA INTERMEDIA DEL TUNEL
ESCALA 1 : 50

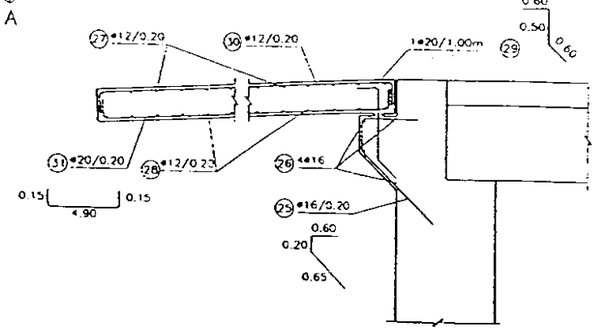


DETALLE GENERAL DE PRELOSAS
ESCALA 1:10

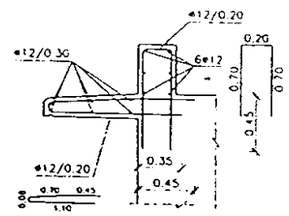


DETALLE DE UNION LOSA–MURO
EN ZONA INTERMEDIA
ESCALA 1 : 25

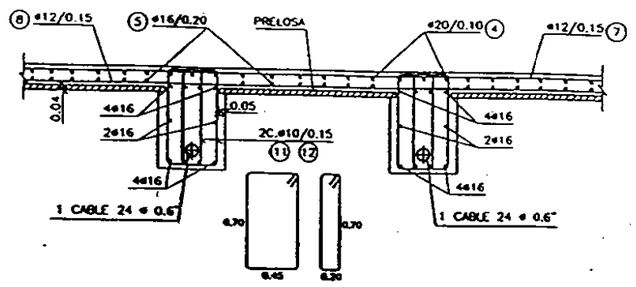
DETALLE DE POSICION (3)
EN ZONA DE APOYO DE VIGAS
ESCALA 1 : 25



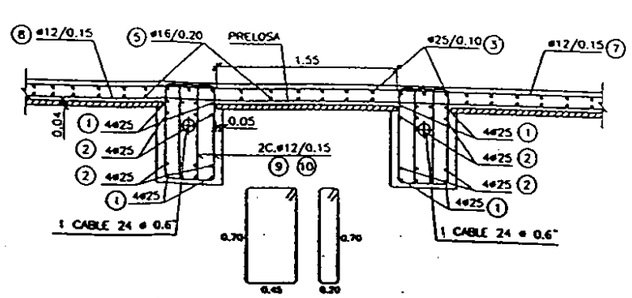
DETALLE DE LOSA DE TRANSICION
ZONA CAMINO DE GABALDOS
ESCALA 1 : 25



DETALLE DE VISERA y PETO
ESCALA 1 : 25



SECCION LONGITUDINAL
CENTRO DE VANO
ESCALA 1 : 25



SECCION LONGITUDINAL
ZONA DE APOYOS
ESCALA 1 : 25

CONDICIONES DE DURABILIDAD

COLOCACION DE ARMADURAS:

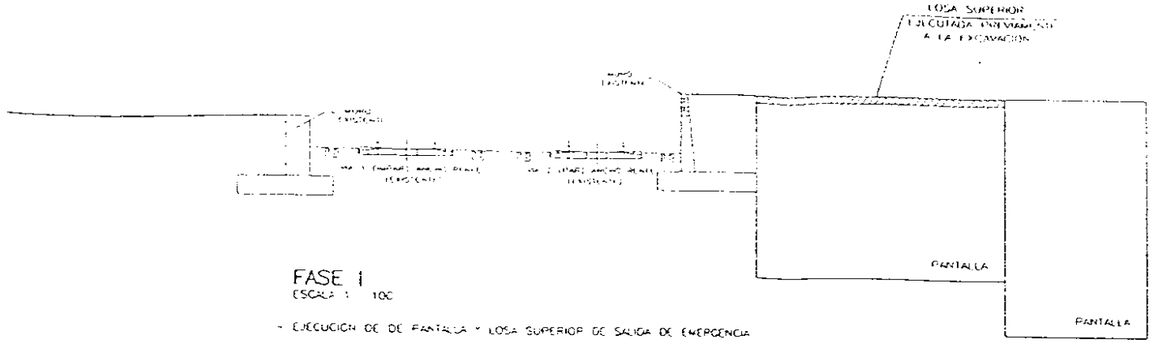
- LA DISTANCIA ENTRE CUALQUIER ARMADURA PASIVA Y EL PARAMENTO MAS PROXIMO NO SERA MENOR DE 4 cm.
- PARA ASEGURAR ESTOS RECUBRIMIENTOS SE USARAN SEPARADORES DE MORTERO DE CEMENTO u OTRO SISTEMA ADECUADO SEGUN ARTICULO 37.2.5 DE LA INSTRUCCION EHE.

DOSIFICACION DE HORMIGONES:

- INDEPENDIENTEMENTE DE LA RESISTENCIA CARACTERISTICA DE PROYECTO LA DOSIFICACION DEL HORMIGON DEBERA CUMPLIR CON LOS REQUISITOS DE LIMITACION DEL CONTENIDO DE AGUA Y CEMENTO INDICADOS EN LA TABLA 37.3.2.a DE LA INSTRUCCION EHE.

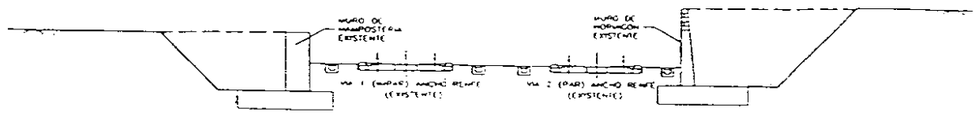
CUADRO DE MATERIALES

MATERIALES	CALIDAD	NIVEL DE CONTROL	C.SEG.
HORMIGON DE LIMPIEZA	HM-15/P/20	ESTADISTICO	
HORMIGON EN CIMIENTOS	HA-25/B/20/Ila	ESTADISTICO	γ_c= 1.50
HORMIGON EN ALZADOS	HA-25/B/20/Ila	ESTADISTICO	γ_c= 1.50
HORMIGON EN VIGAS	HP-45/B/20/IIa	ESTADISTICO	γ_c= 1.50
HORMIGON EN TABLERO	HP-25/B/20/IIa	ESTADISTICO	γ_c= 1.50
ACERO PASIVO	B 500 S	NORMAL	γ_s= 1.15
ACERO DE PRETENSAR	f_{pyk} ≥ 1700 MPa f_{pu} ≥ 1900 MPa	NORMAL	γ_p= 1.15
EJECUCION		INTENSO	γ_c = 1.35 γ_c= 1.50 γ_s = 1.00 γ_a = 1.50



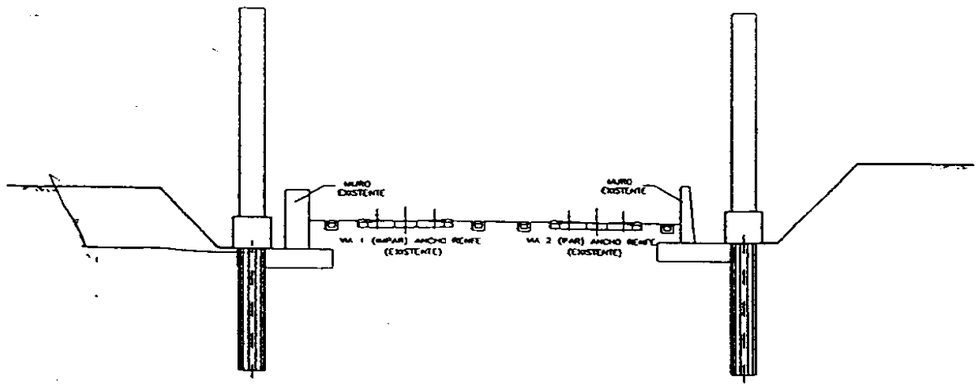
FASE I
ESCALA 1 : 100

- EJECUCION DE DE PANTALLA Y LOSA SUPERIOR DE SALIDA DE EMERGENCIA



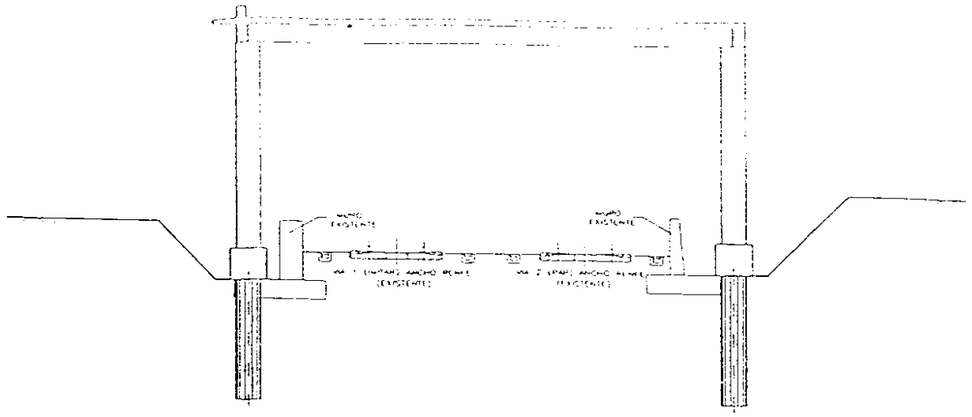
FASE II
ESCALA 1 : 100

- EXCAVACION EN TRASDOS DE MUROS y EN SALIDA DE EMERGENCIA
- DEMOLICION MURO DE MAMPOSTERIA EXISTENTE Y PARTE DE MAMPOSTERIA EN CORONACION DE MUROS DE HORMIGON
- RECRECIDO DE MUROS DE SALIDA DE EMERGENCIA HASTA COTA FINAL



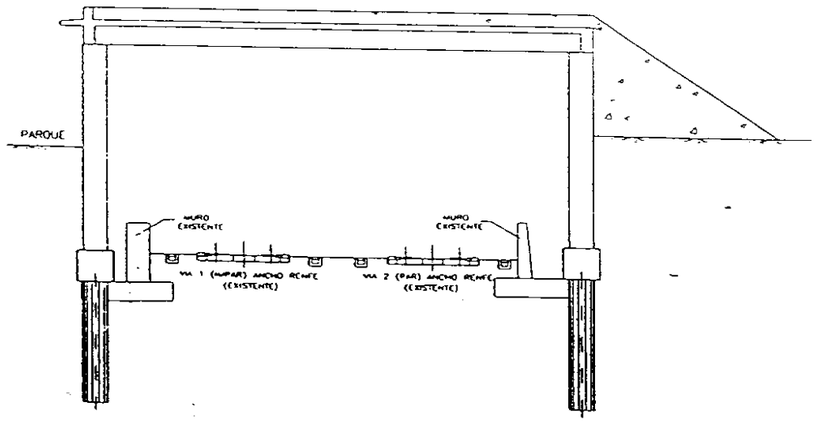
FASE III
ESCALA 1 : 100

- EJECUCION DE PILOTES, VIGAS DE ATADO y ALZADO DE MURO,
  e IMPERMEABILIZACION DE TRASDOS DE MUROS



FASE IV
ESCALA 1 : 100

- COLOCACION DE VIGAS PREFABRICADAS "IN SITU" PRELOSA y HORMIGONADO DE LA Llosa SUPERIOR y NUDO CON HASTIALES

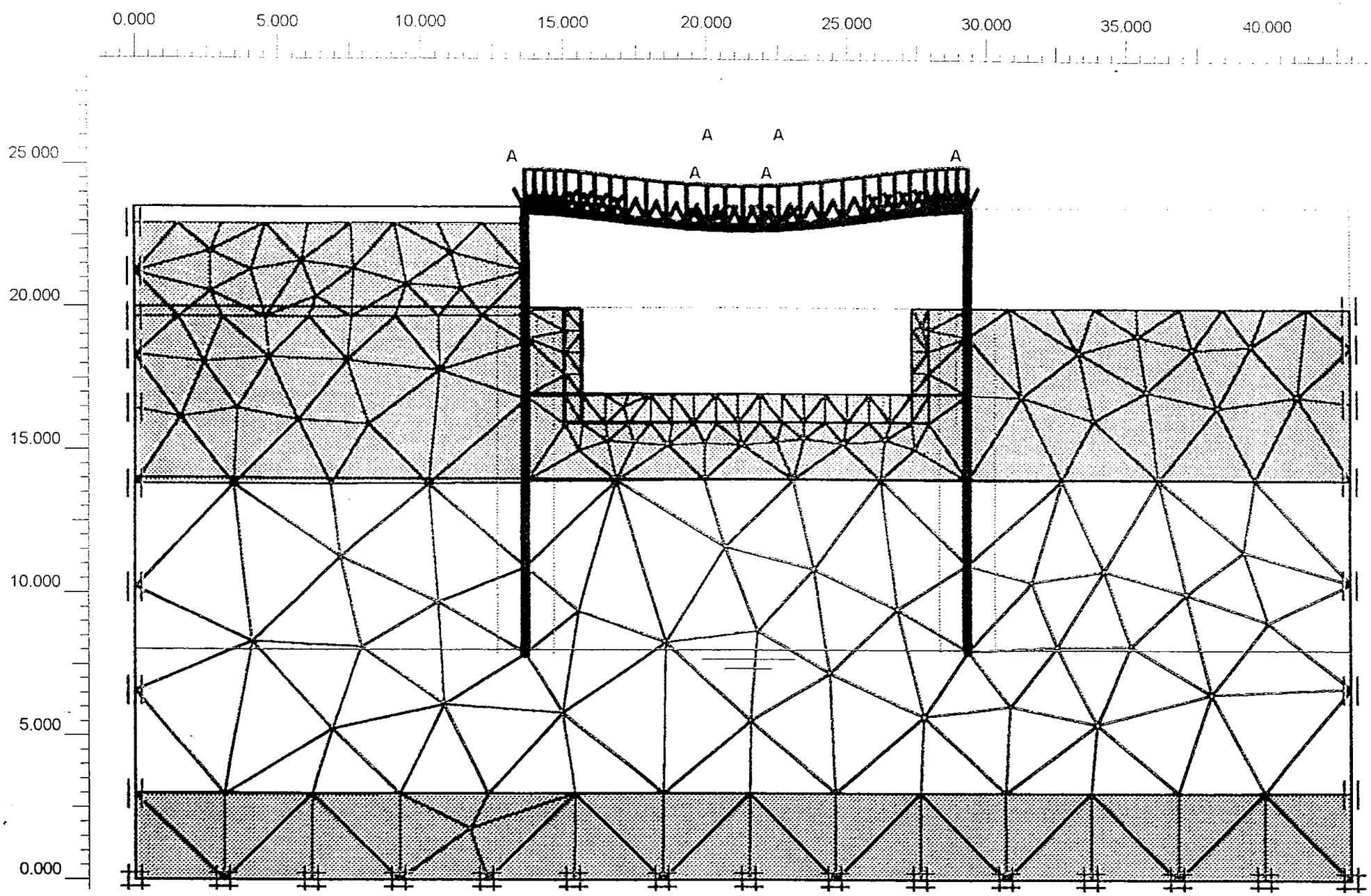


FASE V
ESCALA 1 : 100

- IMPERMEABILIZACION DE LOSA, EJECUCION DE BOQUILLA y RELLENO DE TRASDOS DE MURO y CUBRICION CON TIERRAS
- ACABADOS

NOTA :

- ANTES DE PROCEDER A LA EJECUCION DE LA FASE IV, SE HABRAN REALIZADO LAS VIGAS PREFABRICADAS "IN SITU"



Deformed Mesh

Extreme total displacement $14{,}44*10^{-3}$ m

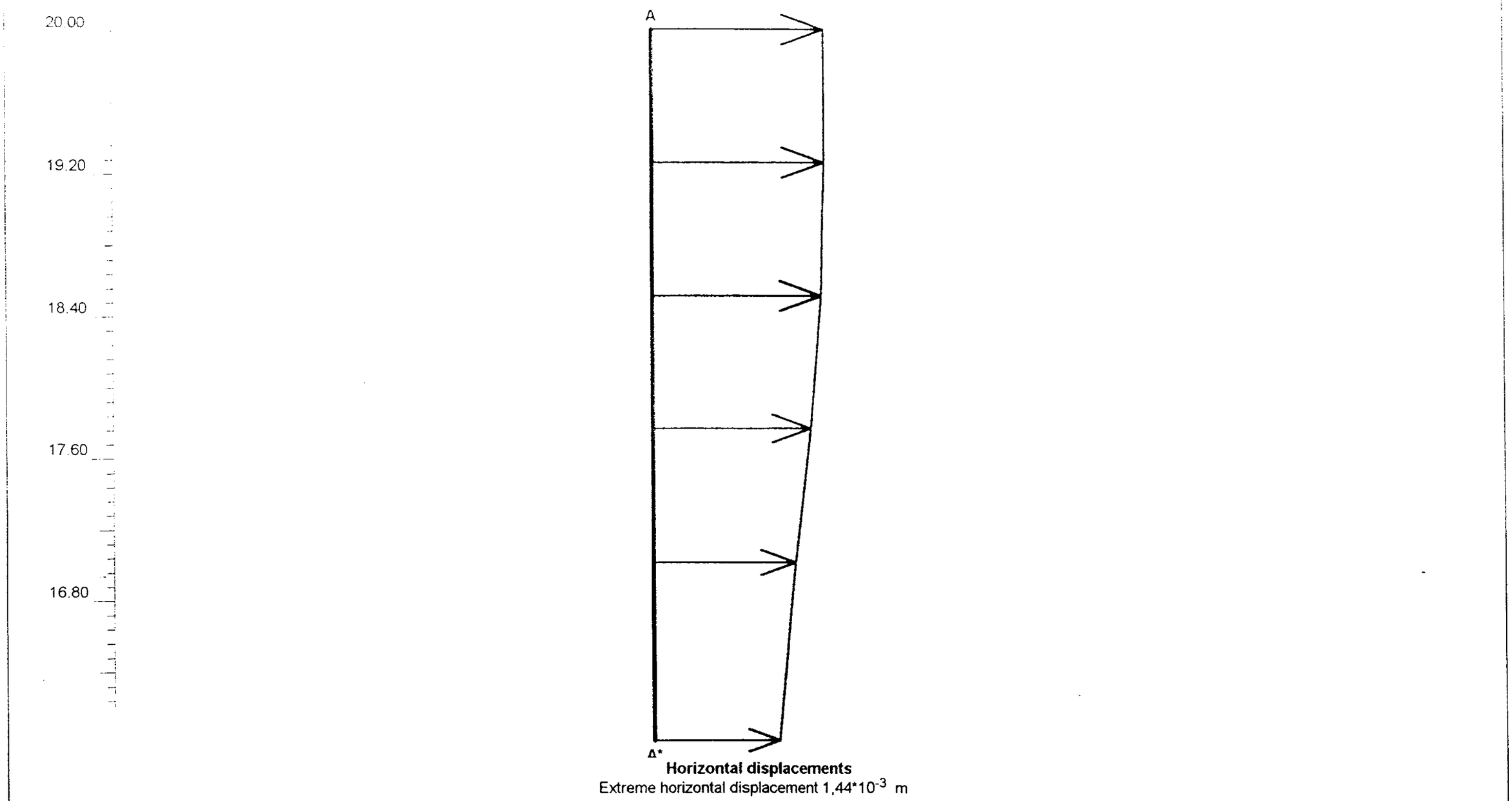
(displacements scaled up 50,00 times)

PLAXIS

Finite Element Code for Soil and Rock Analyses

Version 7.1.6.97

Project description			
TENOR FLETA_B1 (FASE 3)			
Project name	*Step*	*Date*	*User name*
TENOR FLET...	17	19/03/01	Universidad Politecnica de Madrid



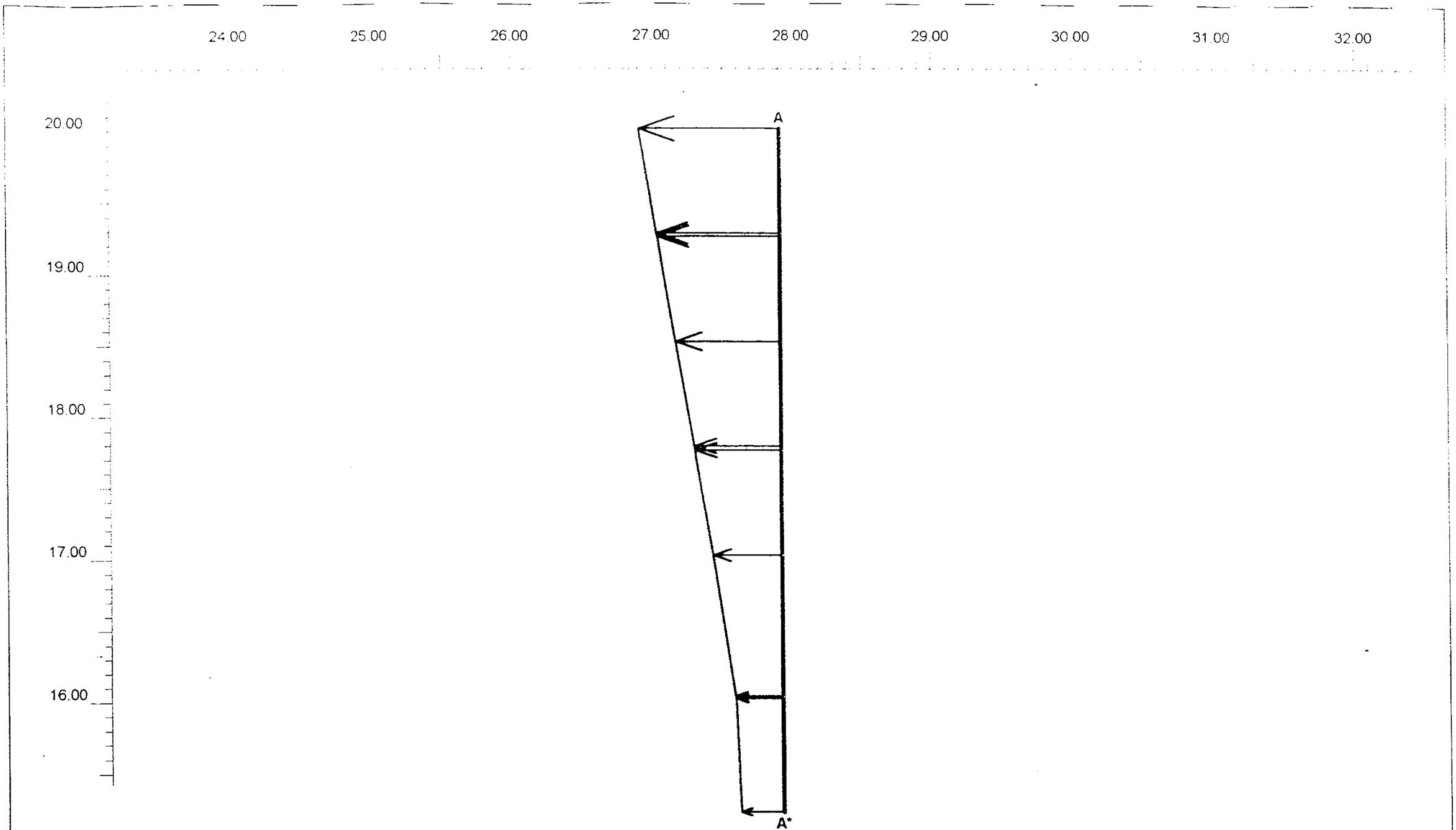
Horizontal displacements
Extreme horizontal displacement $1{,}44*10^{-3}$ m

PLAXIS
Finite Element Code for Soil and Rock Analyses

Project description
TENOR FLETA_B1(MURO IZQ.) FASE 3

Project name	*Step*	*Date*	*User name*
TENOR FLET...	17	19/03/01	Universidad Politecnica de Madrid

Version 7.1.6.97



Horizontal displacements
Extreme horizontal displacement -2,57*10^{-3} m

PLAXIS
Finite Element Code for Soil and Rock Analyses

Project description
TENOR FLETA_0(MURO DER.)

Project name	*Step*	*Date*	*User name*
TENOR FLETA 0	5	19/03/01	Universidad Politecnica de Madrid

Version 7.1.6.97

Anexo 2. Cálculo del tablero túner artificial

MODELO DE CÁLCULO

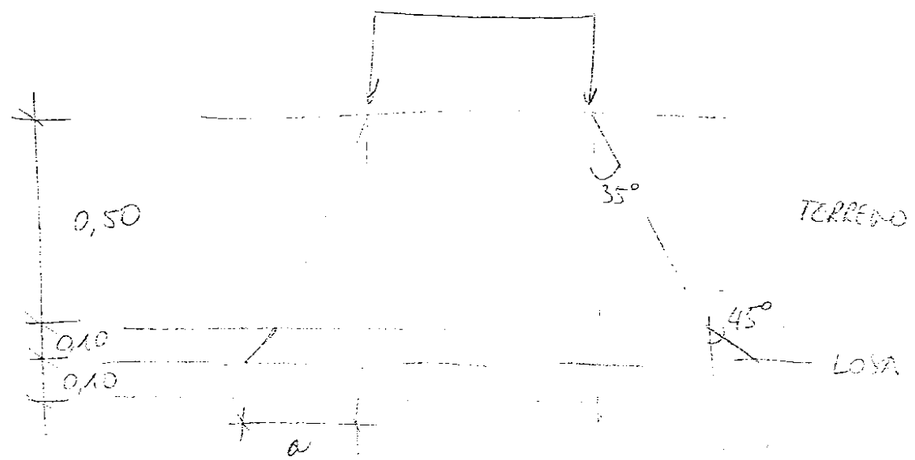
Para el cálculo del tablero se han seguido los siguientes pasos:

1º - cálculo de un emparrillado, para obtener los esfuerzos que las sobrecargas provocan sobre las vigas y los momentos generales sobre la losa.

2º - cálculo de una viga individual con las cargas permanentes y unas sobrecargas que provoquen los esfuerzos sacados del emparrillado.

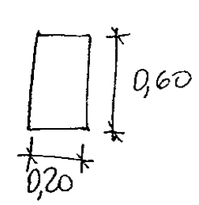
3º - cálculo de la losa como viga continua y armado de esta suministrándole los momentos generales sacados del emparrillado.

Reparto del carro

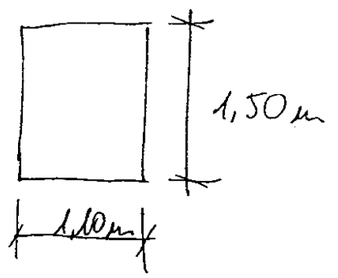


$a = 0,7 \times 0,5 + 0,1 = 0,45\ m.$

De esta forma la huella del carro pasa de



a



$$p = \frac{10.000}{1,10 \times 1,50} = 6.060\ kg/m^2$$

Emparrillado

a) Barras longitudinales (vigas) apoyadas en los extremos y separadas 1,45m. (barras 1-400)

Hormigón HP-45 → $E = 3{,}19 \cdot 10^9$ kg/m²

Inercia a sobrecargas: $I_{sc} = 0{,}0308486\ m^4$

Centro de gravedad: $z_s = 0{,}2946\ m$

$z_i = -0{,}5054\ m$

b) Barras transversales (losa) cada 0,80m (barras 401-761)

Hormigón HA-25 → $E = 2{,}73 \cdot 10^9$ kg/m²

Sección rectangular 0,80 × 0,20 m

Coef. de homogeneización = 0,8221

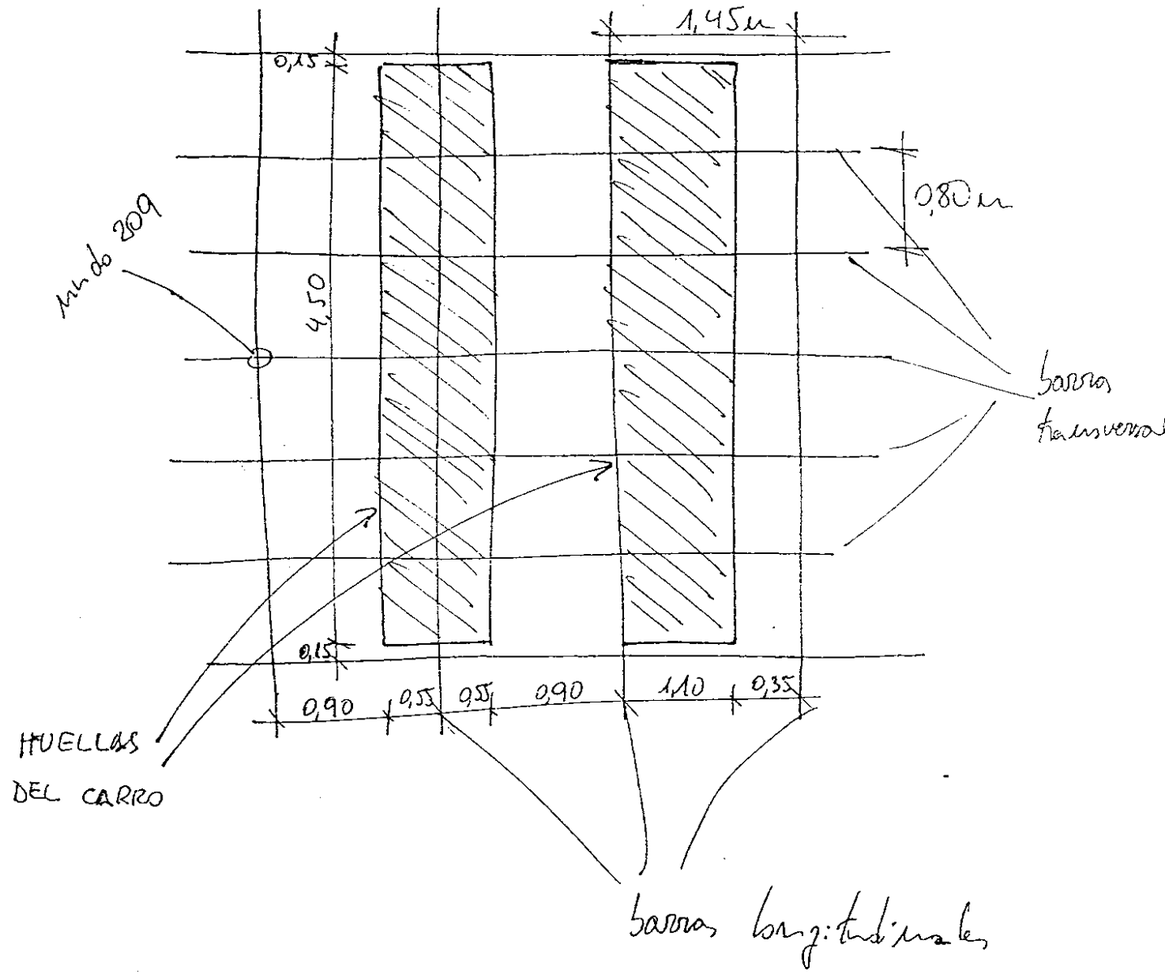
c) Hipótesis:

c.1) Sobrecarga repartida de 400 kg/m²

se carga sobre barras transversales

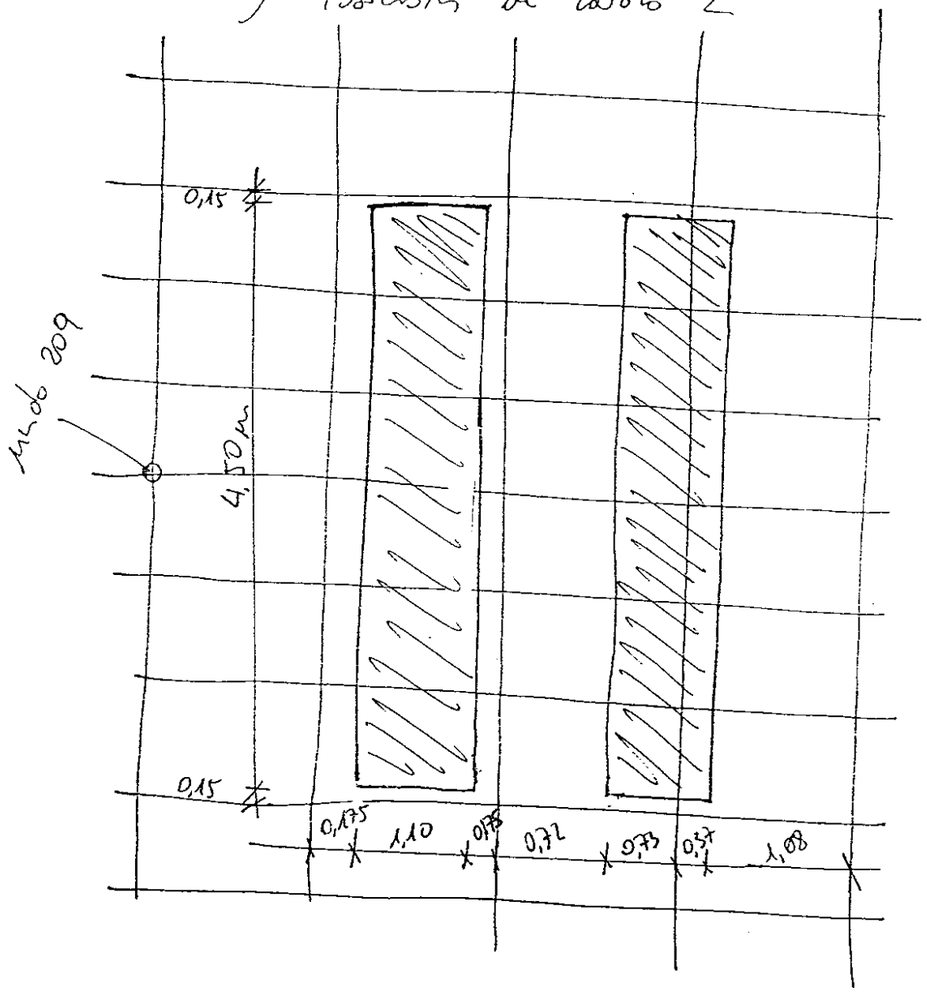
$400 \times 0{,}8 = 320$ kg/m

c.2) Posición de carro 1

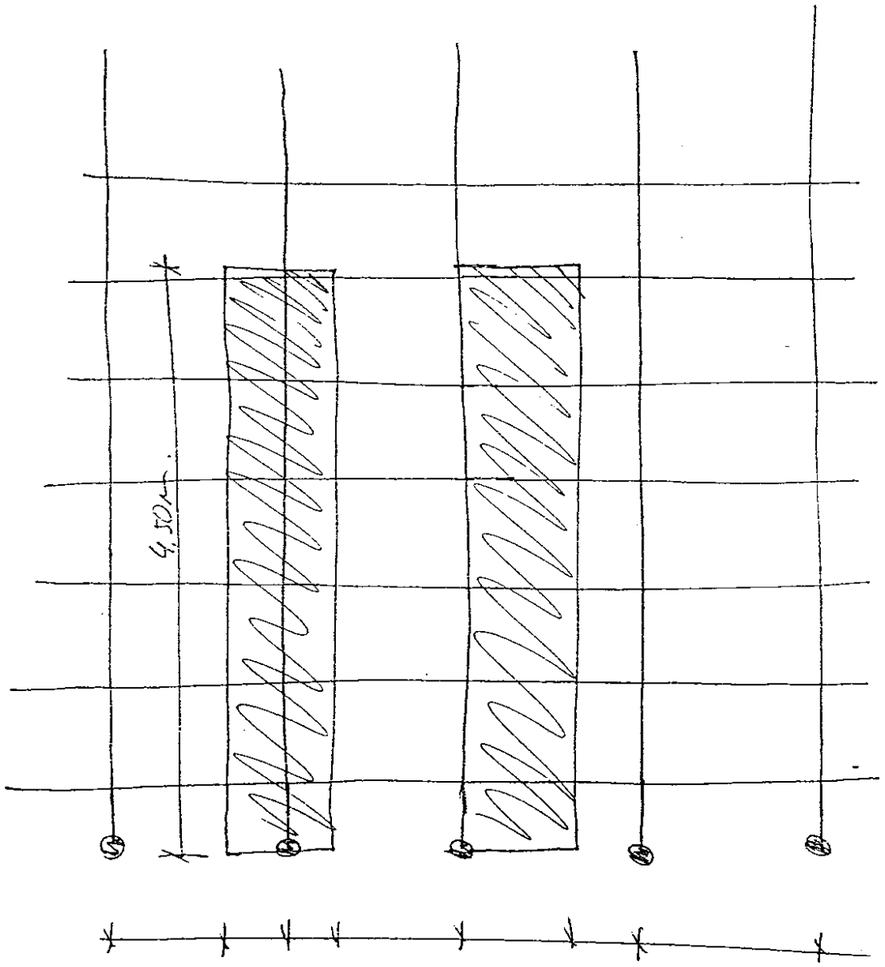


NOTA: las áreas de carga se repartieron según la cuadrícula e introdujeron en el cálculo como cargas puntuales en los nudos, ponderando la distancia del cdg de cada área a dichos nudos. Esto se repitió en las siguientes hipótesis.

C.3) Posición de carro 2



C.4) Posición de carro 3



Igual que pos. 1.

Calculo de vigas

PROGRAMA CALCULO VIGAS PRETENSADAS SEGUN EHE

DEFINICION DEL PERFIL: APOLO

TRAPECIOS (En Cm)

INFERIOR	SUPERIOR	ALTURA
60.0	60.0	12.0
60.0	24.0	6.0
24.0	12.0	5.0
12.0	12.0	21.0
12.0	24.0	5.0
24.0	120.0	6.0
120.0	120.0	5.0

Canto (Cm).....	60.00	C.d.g. (a fibra sup.) (Cm).	27.28
Inercia flexion (Cm4).....	1190683	Inercia torsion (Cm4).....	112622
Area (Cm2).....	2436.00	Coef. Corte ala superior...	.45
Espesor ala sup. medio(cm).	8.61	Idem Inferior.....	16.38
Espesor ala sup. maximo(cm)	11.00	Idem Inferior.....	18.00
Area volada ala sup. (cm2).	384.00		
Area pret inf en extremo...	12.60	Recubrimiento a eje (cm)...	5.00
Area pret.inf.zona interm..	15.40	Recubrimiento a eje (cm)...	5.00
Area pret.inf.centro viga..	18.20	Recubrimiento a eje (cm)...	5.77
Area pret.sup.(cm2).....	2.80	Recubrimiento a eje (cm)...	5.00
Coef. Corte ala inferior...	.31		

DATOS PARA CALCULO DE MATERIALES SEGUN EHE (Kg.y Cm.)

Resist.carac.hormigon viga.	450.00	Resist.carac. hormigon losa	250.00
Resist. calc. acero viga...	4434.78	Resist. calc. acero losa...	4434.78
Lim. elast. min. acero pret	14782.60	Tension inicial tesado pret	13600.00
Coeficiente retraccion.....	.037	Coeficiente fluencia.....	2.500
Coef. relajacion a T= inf..	.003	Coef.Sobrecarga Frecuente..	.500
Coef. mayoracion carga perm	1.350	Coef. mayoracion sobrecarga	1.500

Las secciones se homogeneizan con la relacion de modulos de elasticidad de acero/hormigon este ultimo distinto para cargas instantaneas o permanentes

PROGRAMA VIGAS PRETENSADAS. DATOS DE PARTIDA

Luz de calculo (m.).....	15.20	Longitud total viga (m.)...	15.7
Ancho de losa (m.).....	1.45	Espesor de Losa (Cm.).....	20.0
Ancho contacto viga-losa Cm	100.00	Arm.Existesup.rotura vig.Cm	2.0
Culata minima viga (cm)....	25.00	Diametro toron inferior.cm.	1.5
Carga s.simple flexion Kg/m	1334.00	Idem calculos a corte .Kg/m	1334.0
Carga perm.sec.comp.fl.Kg/m	1510.00	Idem calculos a corte .Kg/m	1510.0
Sobrecarga sec.comp.fl.Kg/m	2097.00	Idem calculos a corte .Kg/m	1408.0
Carga punt.tren de 3 fl. Kg	0.00	Idem calculos a corte .Kg.	0.0
Dist. entre cargas tren -m.	0.00	Coef.Sobrecarga Frecuente..	.5

Armaduras corte ala segun ley corte respetando minimos

CALCULO A CORTE VIGAS PRETENSADAS SEGUN EHE

COMPROBACIONES PREVIAS EN PLASTICIDAD

Fuerza en ala inf.(Kg).....	89785	Idem ala sup.seccion simple	52088
Fuerza a rasante.....	296809	Idem ala sup.seccion comp..	136131
Tension en ala inf.(Kg/cm2)	6.56	Idem ala sup.seccion simple	6.23
Tension rasante media.....	3.91	Idem ala sup.seccion comp..	5.78
Armado medio ala inf(cm2/m)	2.95	Idem ala sup.seccion simple	1.71
Armado medio a rasante.....	0.00	Idem ala sup.seccion comp..	4.48
Refuerzo pasivo inf.extremo	.97	(Cm2). REAL (N.DD)=.....	2.12
(Valor por armadura de corte teorica)			
Refuerzo pasivo inf.extremo	0.00	(Cm2). REAL (N.DD)=.....	0.00
(Valor por armadura de difusion)			

COMPROBACION CORTANTE SEGUN EHE EN X= 0.00
(Esfuerzos mayorados)

Momento seccion simple(T.m)	5.98	Cortante seccion simple(T).	12.88
Momento seccion compuesta..	13.57	Cortante seccion compuesta.	29.69
Cortante total para VU1....	44.78	Limite corte por hormigon..	64.80
Cortante total para VU2....	40.37	Armado corte en losa(cm2/m)	0.00
Arm.corte alma(Cm2/m).....	7.48	Arm.rasante alma union losa	0.00
Arm.corte ala sup (Sec.Simp	3.20	Arm.corte ala inf.(Cm2/m)..	5.52

COMPROBACION CORTANTE SEGUN EHE EN X= 1.00
(Esfuerzos mayorados)

Momento seccion simple(T.m)	12.79	Cortante seccion simple(T).	11.89
Momento seccion compuesta..	28.48	Cortante seccion compuesta.	27.46
Cortante total para VU1....	39.35	Limite corte por hormigon..	64.80
Cortante total para VU2....	39.35	Armado corte en losa(cm2/m)	0.00
Arm.corte alma(Cm2/m).....	7.29	Arm.rasante alma union losa	0.00
Arm.corte ala sup (Sec.Simp	2.75	Arm.corte ala inf.(Cm2/m)..	4.74

COMPROBACION CORTANTE SEGUN EHE EN X= 3.00
(Esfuerzos mayorados)

Momento seccion simple(T.m)	32.96	Cortante seccion simple(T).	8.28
Momento seccion compuesta..	68.33	Cortante seccion compuesta.	19.72
Cortante total para VU1....	28.00	Limite corte por hormigon..	73.38
Cortante total para VU2....	28.00	Armado corte en losa(cm2/m)	0.00
Arm.corte alma(Cm2/m).....	4.05	Arm.rasante alma union losa	0.00
Arm.corte ala sup (Sec.Simp	1.85	Arm.corte ala inf.(Cm2/m)..	3.19

COMPROBACION CORTANTE SEGUN EHE EN X= 5.00
(Esfuerzos mayorados)

Momento seccion simple(T.m)	45.92	Cortante seccion simple(T).	4.68
Momento seccion compuesta..	88.12	Cortante seccion compuesta.	12.53
Cortante total para VU1....	17.21	Limite corte por hormigon..	70.53
Cortante total para VU2....	17.21	Armado corte en losa(cm2/m)	0.00
Arm.corte alma(Cm2/m).....	1.29	Arm.rasante alma union losa	0.00
Arm.corte ala sup (Sec.Simp	.95	Arm.corte ala inf.(Cm2/m)..	1.80

COMPROBACION CORTANTE SEGUN EHE EN X= 2.87
(Esfuerzos mayorados)

Momento seccion simple(T.m)	31.88	Cortante seccion simple(T).	8.51

MOMENTOS FLECTORES (Kg.m) Y CORTANTES (Kg.)

Momento p.propio viga	17587.92	Momento p.propio losa.....	20938.
Momento carga permanente...	43608.80	Momento sobrecarga.....	60561.
Corte total mayorado (Vrd).	45230.64		

CARACTERISTICAS RESISTENTES VIGA + LOSA (Cm.)

C.d Grav-borde sup. S.bruta	28.83	Inercia seccion bruta.....	29449
C.d G. Sec.homg.carg.perm.	30.66	Inercia sec.homg.carg.perm.	33548
C.d G. Sec.homg.sobrecarg.	29.46	Inercia sec.homh.sobrecarg.	30848

PERDIDAS PRETENSADO (Kg/Cm2)

Penetracion cuñas.....	60.80	Proceso termico.....	0.
Acortamiento elastico.....	1518.39	Total diferida(Ret+Flu+Rel)	1774.
Tension inicial armadura...	12020.81	Tension final armadura.....	10246.

HISTORIA TENSIONAL VIGA PESIMA (Kg/Cm2)

Tension pret. final sup....	-13.09	Tension pret. final inf....	214.
Tension p.propio viga sup..	37.96	Tension p.propio viga inf..	-40.
Tension p.propio losa sup..	45.20	Tension p.propio losa inf..	-48.
Tension carga perm. sup....	13.86	Tension carga perm. inf....	-64.
Tension sobrecarga sup.....	18.57	Tension sobrecarga inff....	-99.
Tension final suma losa sup	97.70	Tension final suma losa inf	32.
Tension final suma viga sup	102.51	Tension final suma viga inf	-37.
Tens.carga frecuen.losa sup	68.78	Tens.carga frecuen.losa inf	23.
Tens.carga frecuen.viga sup	93.87	Tens.carga frecuen.viga inf	1.

COMPROBACION NEOPRENO (Deform. acortamiento +)

El neopreno se comprueba a tension maxima y minima, rozamiento, distorsion, aplastamiento, tension tangencial y giro con carga total y permanente

Longitud (Segun eje viga)Cm	15.00	Ancho (Perp.viga).(Cm).....	35.0
Espesor total (Cm).....	3.00	Espesor chapa.(Cm).....	.3
No capas de goma.....	2.00	Espesor de cada capa.....	.8
Modulo deform.transv.Kg/cm2	10.00	Incremento temperatura (oC)	30.0
Deform. por retraccion(+)..	.114	Deformacion por fluencia(+)	.23
Deform. por temperatura(+-)	.228	Deform. por giro preten.(+)	.33
Deform.por giro p.prop (-).	-.435	Deform.por giro c.perm-	-.35
Deform.por giro sobrec.(-).	-.142	Deform.por giro carro(-)...	0.00
Deform.por fuerza horiz.(+-	0.000	Fuerza horizontal (Kg) (+-)	0.00
Defor.pesima suma (+)).....	.120	Fuerza por maxima def +(Kg)	393.2
Defor.pesima suma (-).....	-.478	Fuerza por maxima def -(Kg)	-2034.3
Reaccion vertical maxima Kg	33378.20	Reaccion vertical minima Kg	22325.4

NOTA.- Deformaciones obtenidas despreciando flexibilidad de pilas y estribo

COMPROBACION ESTADO LIMITE ROTURA FLEXION Y ENFUNDADOS

Momento rotura seccion Kg.m	201838.20	Momento necesario (m.Kg)...	201723.9
Refuerzo Nohierros.diametro	1.12	Longitud refuerzo en m.....	3.9
Momento rotura enfundado 2	174607.78	% Respecto M. neces centro.	86.5
Momento rotura enfundado 1	146900.67	% Respecto M. neces centro.	72.8
Longitud zona 1 enfundados.	1.56	Longitud zona 2 enfundados.	2.6
Tens.sup.pret.ini+pp.zona 1	-5.72	Tens.inf.pret.ini+pp.zona 1	239.4
Tens.sup.pret.ini+pp.zona 2	-10.34	Tens.inf.pret.ini+pp.zona 2	214.0

Momento seccion compuesta..	66.41	Cortante seccion compuesta.	20.20
Cortante total para VU1....	28.71	Limite corte por hormigon..	74.18
Cortante total para VU2....	28.71	Armado corte en losa(cm2/m)	0.00
Arm.corte alma(Cm2/m).....	4.50	Arm.rasante alma union losa	0.00
Arm.corte ala sup (Sec.Simp	1.91	Arm.corte ala inf.(Cm2/m)..	3.29

COMPROBACION CORTANTE SEGUN EHE EN X= 3.97
(Esfuerzos mayorados)

Momento seccion simple(T.m)	40.16	Cortante seccion simple(T).	6.53
Momento seccion compuesta..	80.24	Cortante seccion compuesta.	16.16
Cortante total para VU1....	22.69	Limite corte por hormigon..	72.73
Cortante total para VU2....	22.69	Armado corte en losa(cm2/m)	0.00
Arm.corte alma(Cm2/m).....	2.74	Arm.rasante alma union losa	0.00
Arm.corte ala sup (Sec.Simp	1.41	Arm.corte ala inf.(Cm2/m)..	2.43
CERCOS MINIMOS ALMA	1.80		

SE AÑADE EN CADA ZONA PARA CUMPLIR MINIMO DE RASANTE: 4.34 cm2/m

ANALISIS DE DEFORMACIONES PREVISIBLES

Flechas (+) y contraflechas (-) en mm.

(1)- Instantanea pretensado +p.propio (seccion simple)	-25.3
(2)- Diferida pretensado +p.propio (seccion simple)	-46.7
(3)- Diferida pretensado +p.propio (seccion compuesta)	-18.9
(4)- Instantanea peso propio losa (seccion simple)	11.3
(5)- Diferida peso propio losa (seccion compuesta)	7.4
(6)- Instantanea carga permanente (seccion compuesta)	8.9
(7)- Diferida carga permanente (seccion compuesta)	16.1
(8)- Instantanea sobrecarga (seccion compuesta)	12.1

NOTA: Modulos de elasticidad: (1) .-0.74*100000*((.1*FCK+8)^(1/3))
(4) .-100000*((.1*FCK+8)^(1/3))
(6) .-107000*((.1*FCK+8)^(1/3))
(8) .-109000*((.1*FCK+8)^(1/3))

Fluencia: 2.5 para (2) y (3); 1.9 para (5) y 1.7 para (7)

La deformacion final del puente depende de la edad de la viga al llegar al tablero. Supuesto que se ha producido el 40% de (2) al llegar a obra la contraflecha sera: -44.0

Al hormigonar la losa.....:	-32.7
Al echar la carga permanente.....:	-23.8
A tiempo infinito sin sobrecarga.....:	-11.7
A tiempo infinito con sobrecarga.....:	.4

Estos valores solo pueden ser considerados como estimativos pues dependen de factores variables no conocidos por el programa

MATRIZ AREAS

170.000	11.812	3.201	5.518
200.000	11.623	2.750	4.741
200.000	8.383	1.849	3.187
215.000	6.136	.947	1.801

MATRIZ ZON

100.000	12.125	-8.125	10.125
80.000	12.200	-10.200	10.200
200.000	12.200	-10.200	8.200
200.000	12.250	-8.250	8.250
205.000	10.250	-6.250	6.250

CUANTIA CERCOS (kg/m) 14.19

RESUMEN SOLUCION (NORMA EHE)
FECHA: 21-6-01

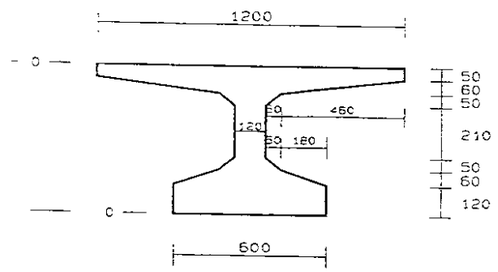
ESTUDIO: 1
DATOS CALCULO: PP: 1334.00 Kg/Ml PSOB: 2097.00 Kg/Ml LUZ CALCULO: 15.20 LONGITUD VIGA: 15.70 CMUERTA: 1510.00 Kg/
SOLUCION: VIGAS APOLO DE CANTO 60 CM CON LOSA DE 20 CMS
PESO 1 VIGA EN KG: 9561.30 PESO 0 VIGAS: 0.00 TON

	CUBICACIONES	PREC.UNIT	PRECIO VIGA
HORMIGON	609.00	4.80	2923.20
ACERO ACTIVO	19.22	158.00	3035.97
ACERO PASIVO	23.01	147.00	3382.78
MANO DE OBRA	.80	1970.00	1576.00
TOTAL EN FABRICA			10917.95
G.GENERALES		1.55	16922.82
TOTAL SOBRE CAMION FABRICA			16922.82
COEFICIENTE		1.25	21153.53
TRANSPORTE			
NEOPRENOS 150 350 30 a 5300 Ptas/Unid			675.16
TOTAL			

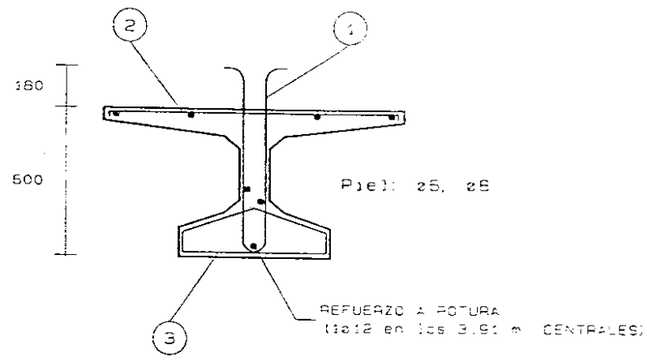
HORQUILLAS: 2*1 d 1/2

GIRO DE CARGA MUERTA:.001997
GIRO DE SOBREC.UNIF.:.002774
GIRO DE VEHICULO .:.000000
CORTE MAYORADO VRD=.: 45230.640
CALCULOS CON: Lh= 1.60 Lcs= 1.15 Lci= 1.77 K1= 25.00 K2= 6.08 K3= 0.00

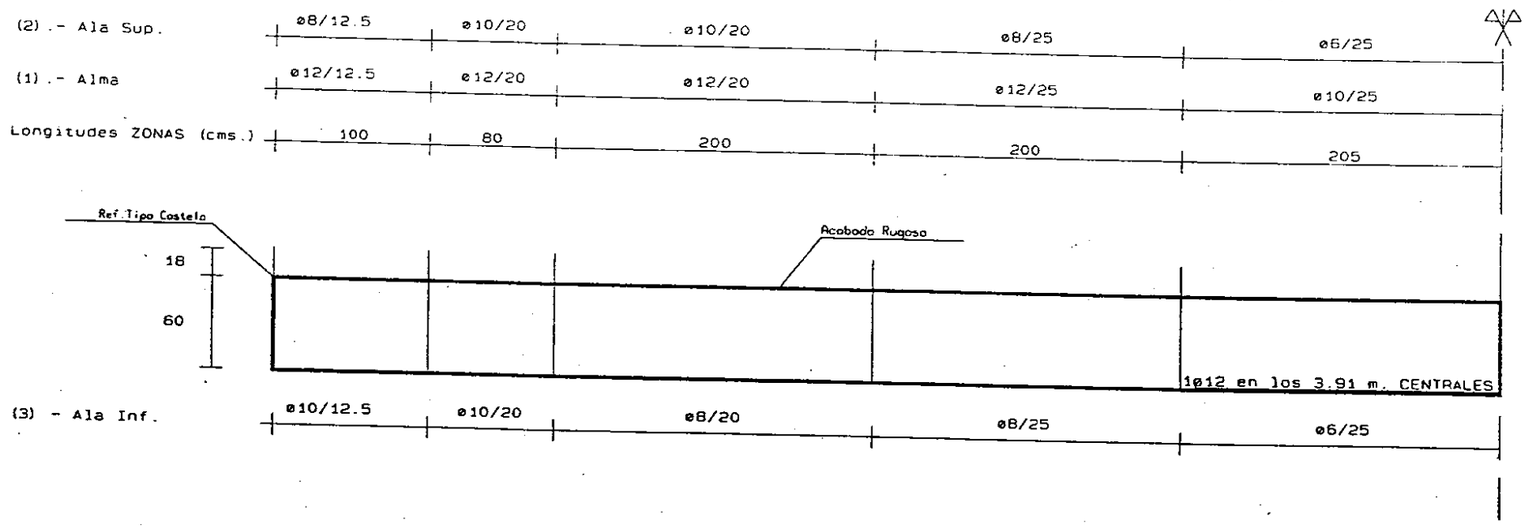
Pretensado (cotas en mm.)
(Esc: 1/25)



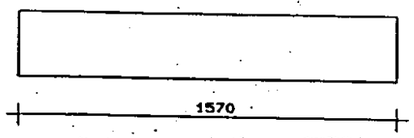
Armadura Pasiva (cotas en mm.)
(Esc: 1/25)



VIGA: APOLO - Seccion Longitudinal. Armadura Pasiva (Esc: 1/40)



Planta Viga (S/E)

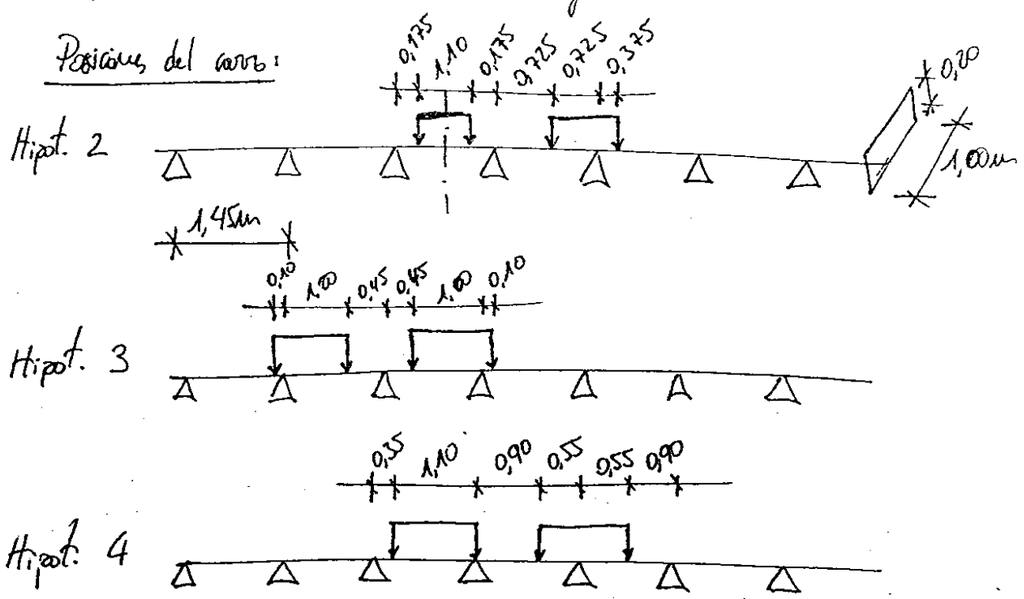


Calculo de la losa

Cálculo de la losa

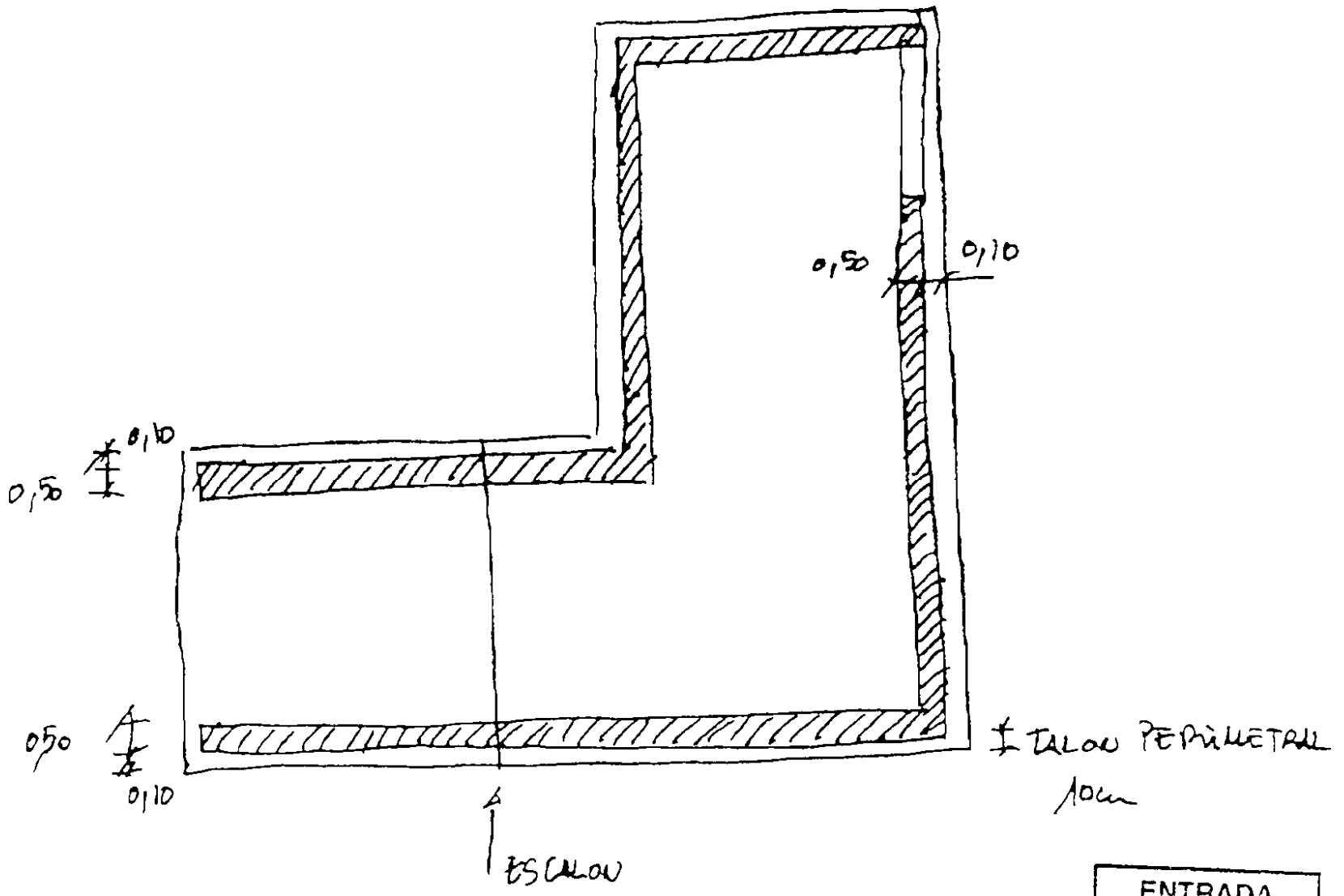
Los esfuerzos en la losa son calculados como la suma de los generales, (sacados del empotrellado calculado anteriormente) de los que se acompaña una hoja con los valores máximos y los locales que se obtienen calculando la losa como una viga continua.

Posiciones del carro:



Cálculo de armadura en salida de emergencia

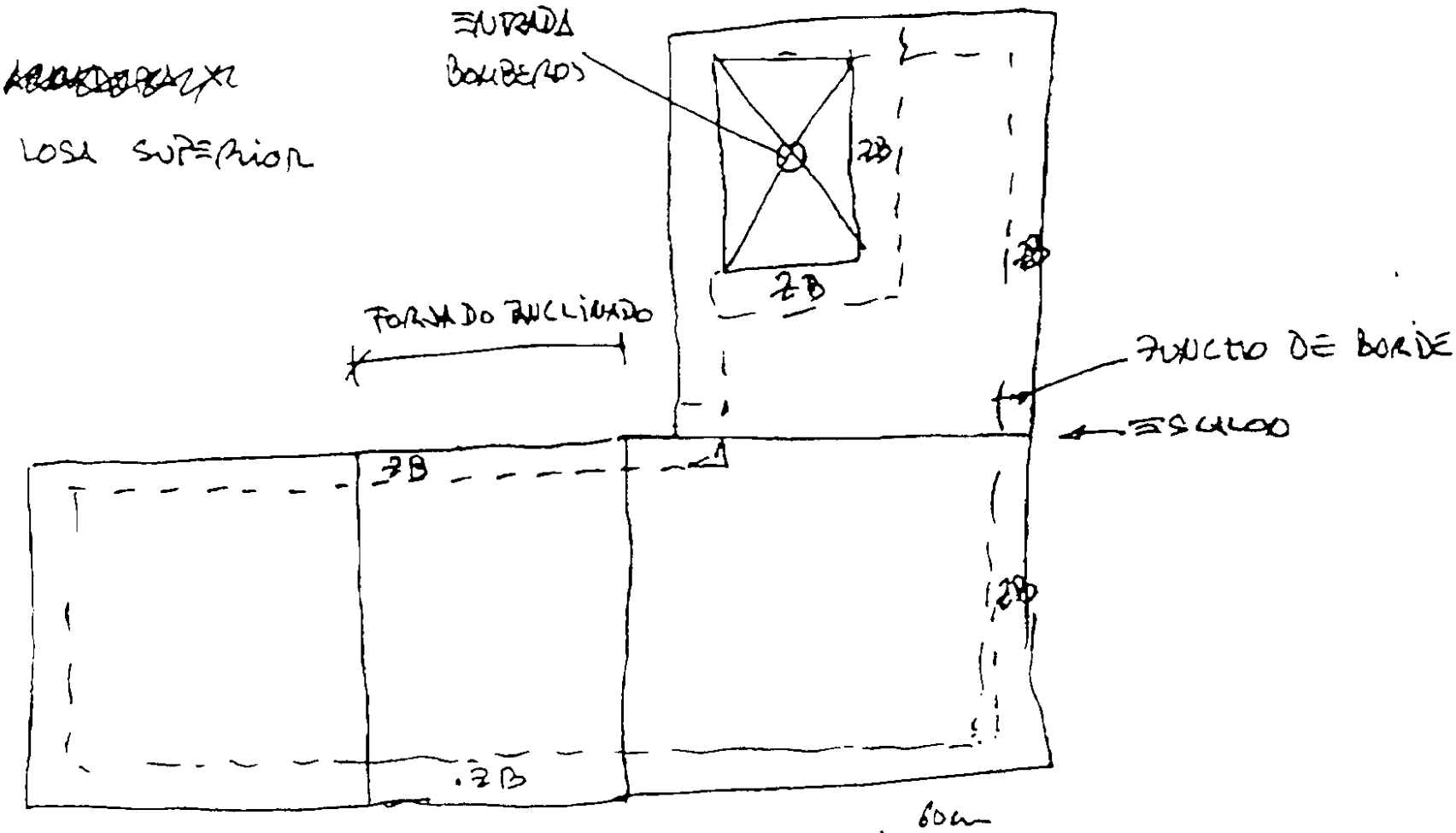
AVE TRAMO MARAÑOSES II - SALIDA EMERGENCIA.



ENTRADA
Fecha: 20 NOV. 2001
Número: 227/GE-2

AVE MARAÑOSES II - SALIDA EMERGENCIA

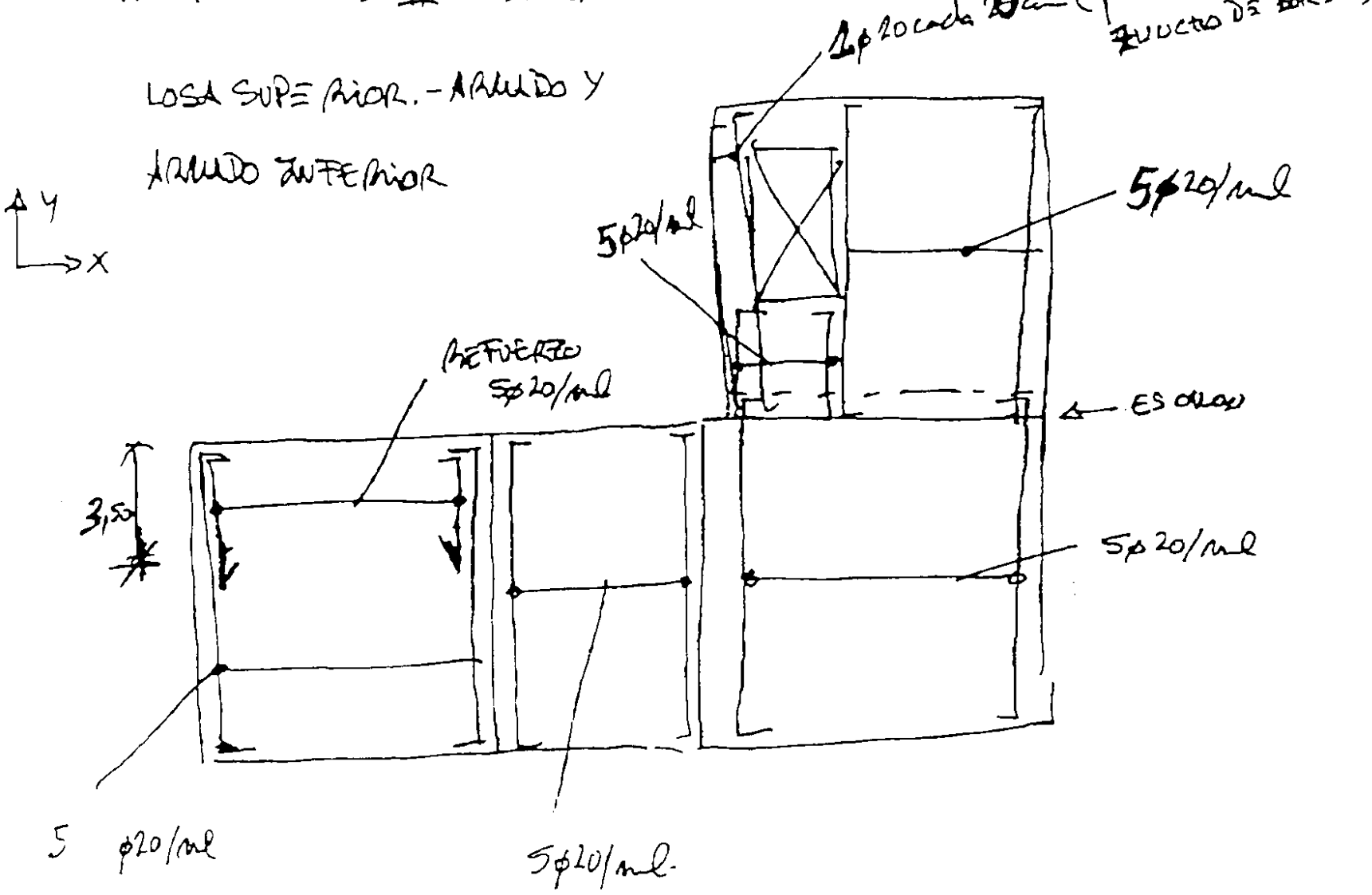
LOSA SUPERIOR



AVE MIRAFLORES II - SALIDA EMERGENCIA.

LOSA SUPERIOR. - ARMADO Y

ARMADO INFERIOR



5 φ20/ml

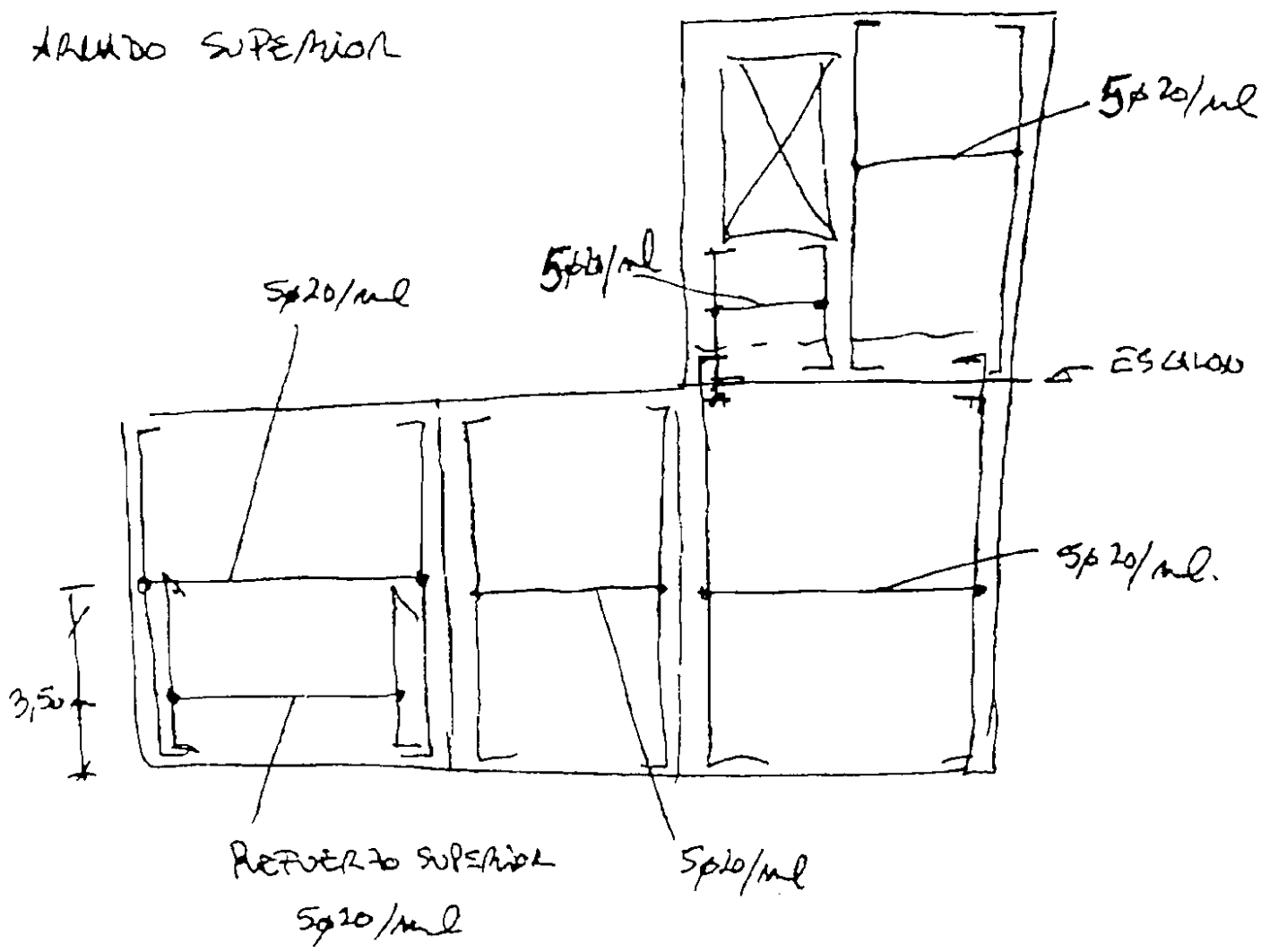
5φ20/ml.

RECUBRIMIENTO 3cm.

AVE MIRAFLORES II - SALIDA EMERGENCIA

LOSA SUPERIOR - ARMADO DIRECCION Y

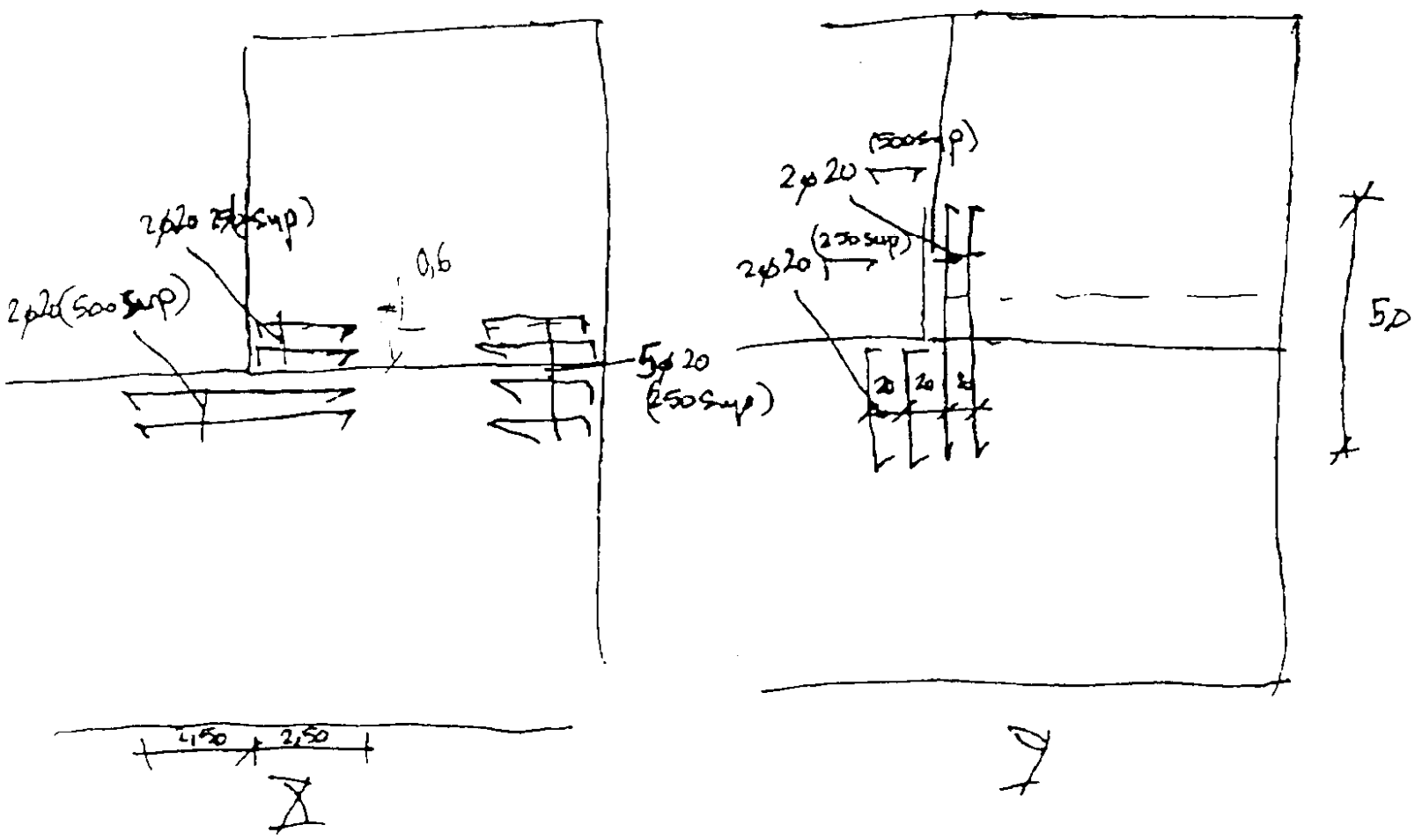
ARMADO SUPERIOR



AVE MIRAFLORES II - SALIDA EMERGENCIA

LOSA SUPERIOR REFUERZOS X - Y DETALLES ESQUINA

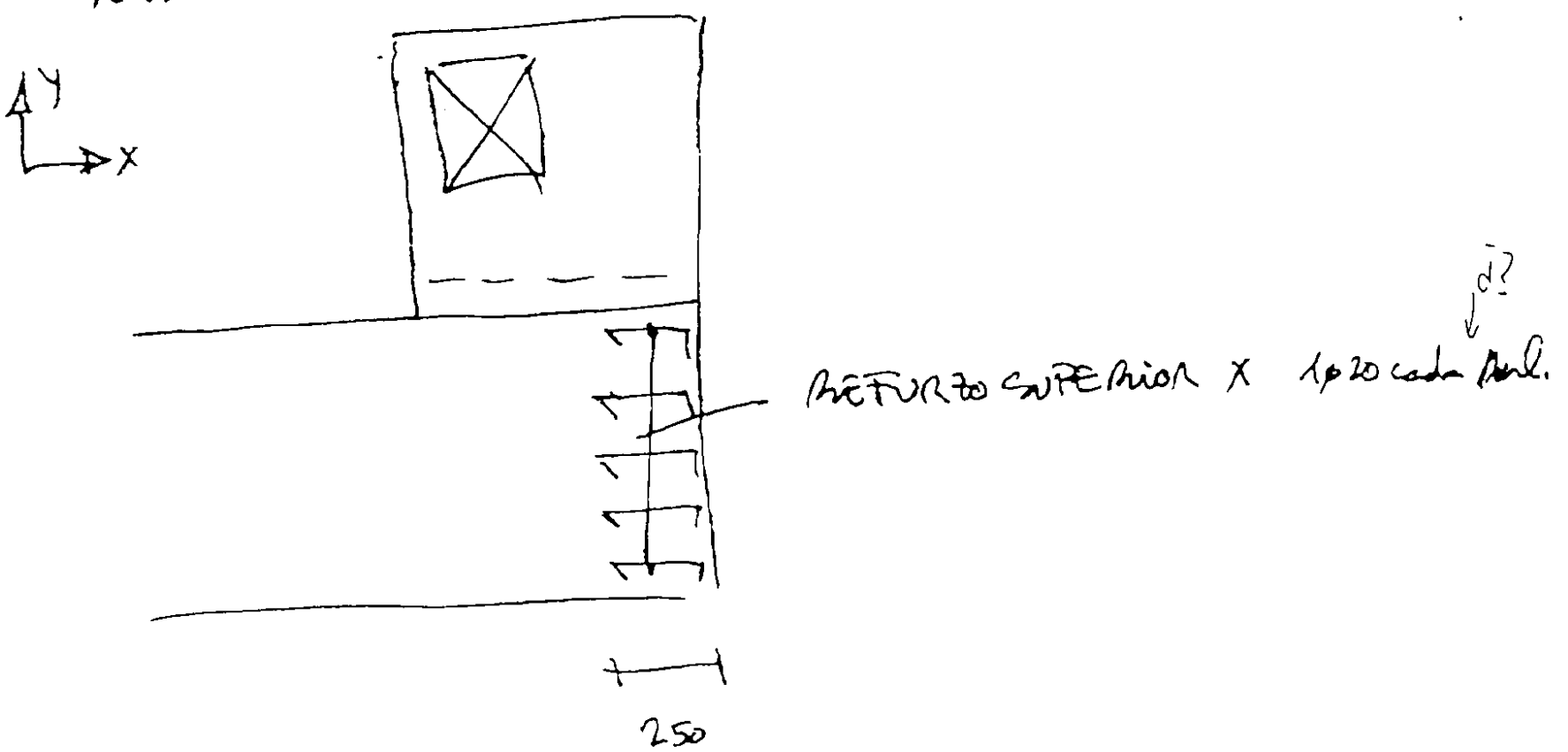
¿Arm. Sup, Inf?



AVE MIRAFLORES II - SALIDA EMERGENCIA

LOSA SUPERIOR

ARMADO Y - DETALLES DE REFUERZOS ¿Armado en X?

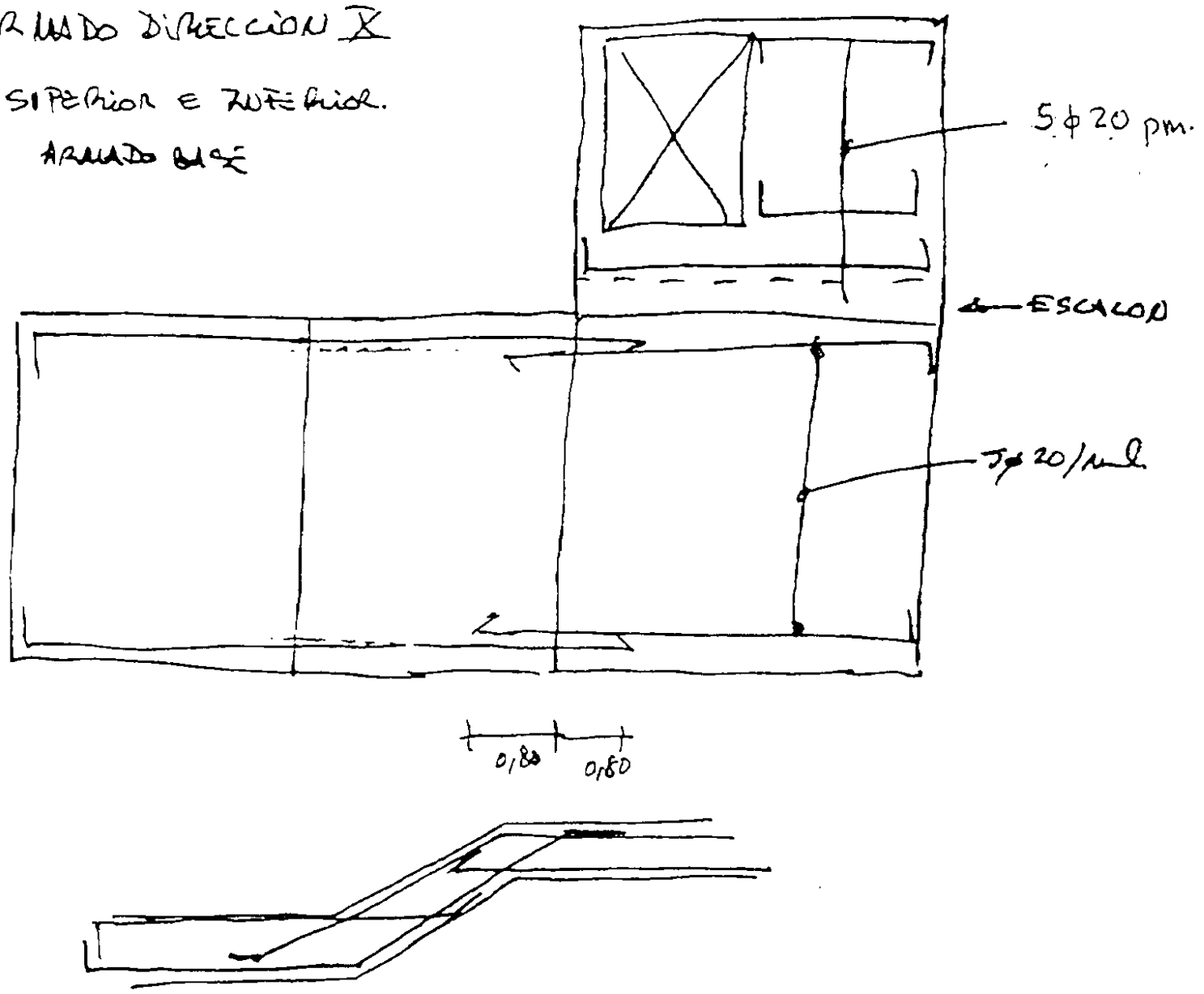


AVE MIRAFLORES II - SALIDA EMERGENCIA

LOSA SUPERIOR
ARMADO DIRECCIÓN X

SUPERIOR E INFERIOR.

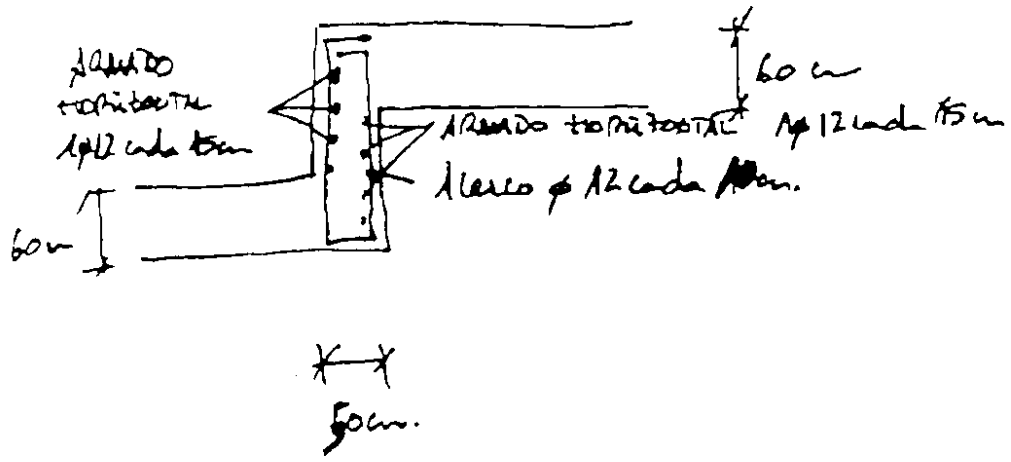
ARMADO DE

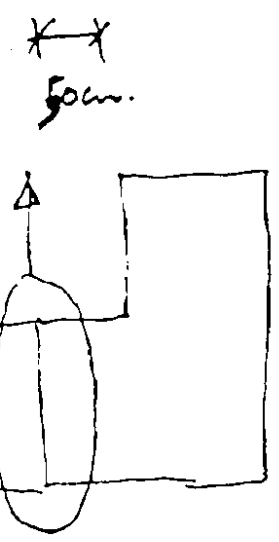


AVE MIRAFLORES II - SALIDA EMERGENCIA (DETALLES)

8

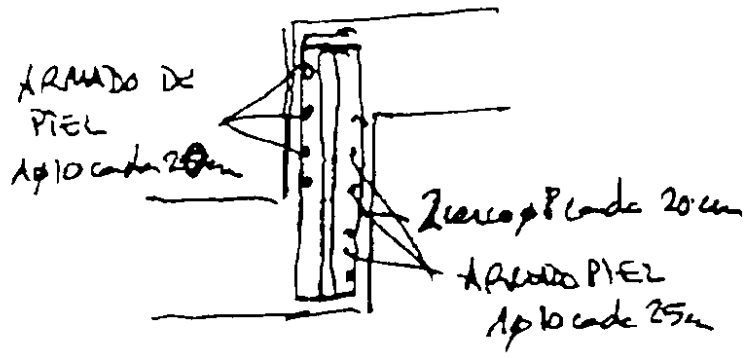
ESCALON LOSA CIMENTACION

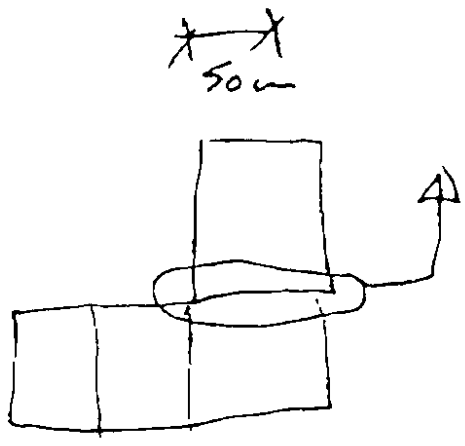




LOSA CIMENTACION

ESCALON CUBIERTA





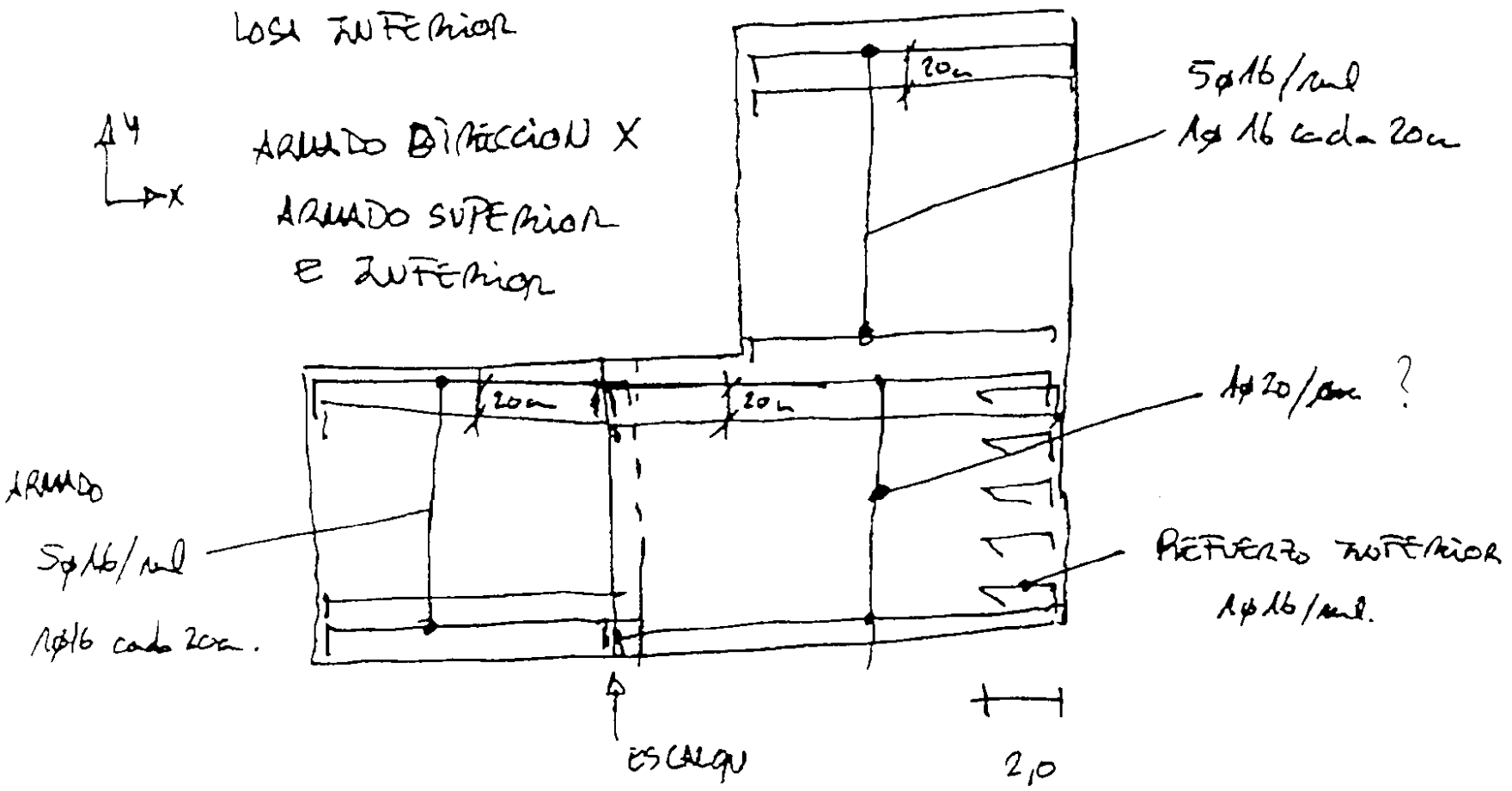
CUBIERTA.

AVE TRAMO MIRAFLORES II – SALIDA EMERGENCIA

LOSA INFERIOR

ARMADO DIRECCION X

ARMADO SUPERIOR E INFERIOR

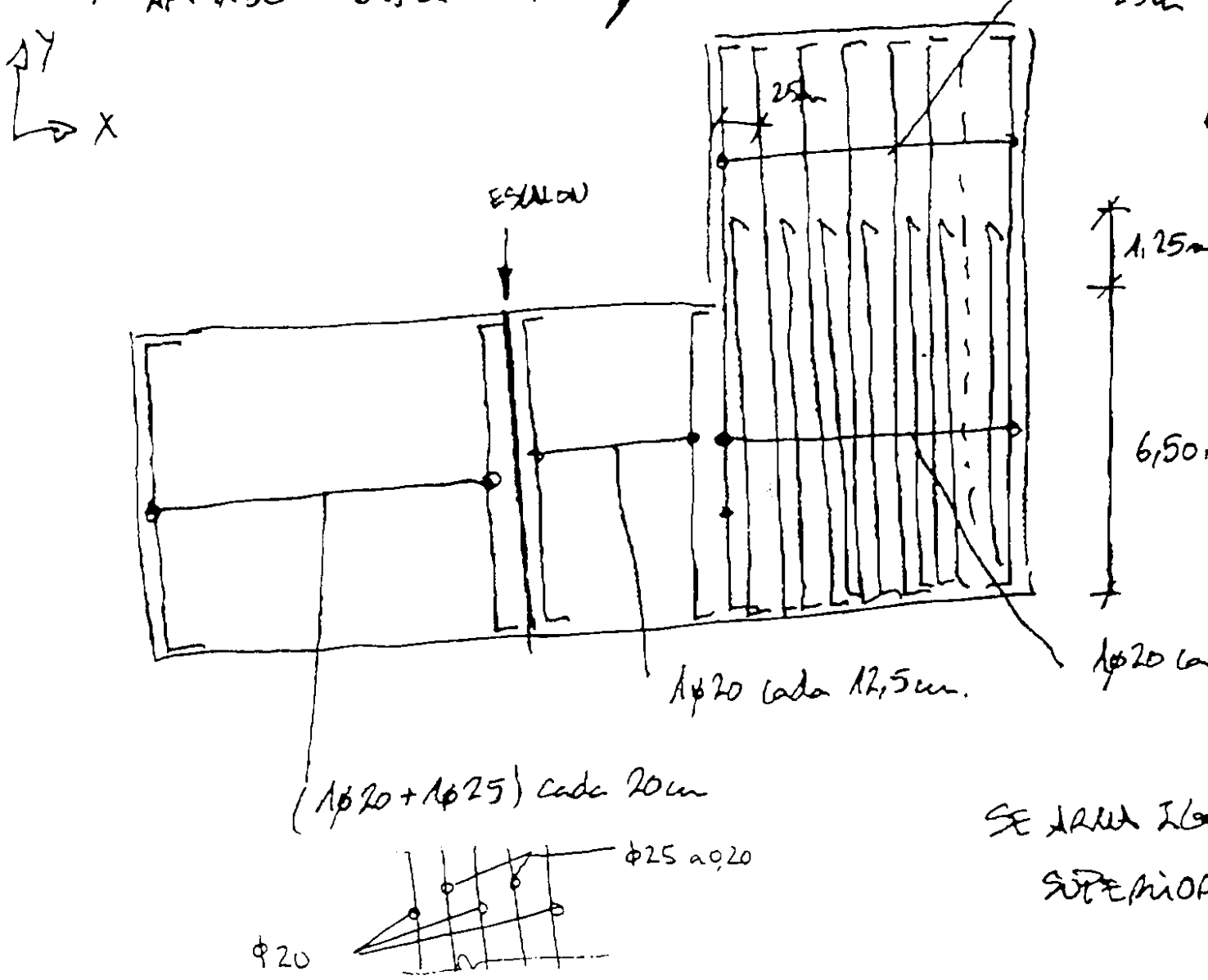


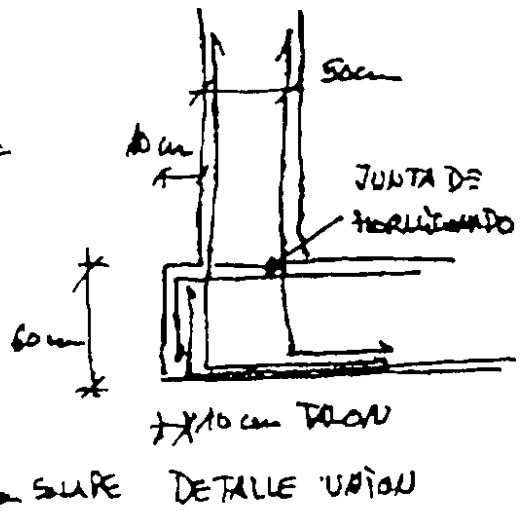
AVE- TRAMO MIRAFLORES II – SALIDA EMERGENCIA

LOSA INFERIOR

ARMADO DIRECCION Y INFERIOR

Y ARMADO DIRECCION X SUPERIOR





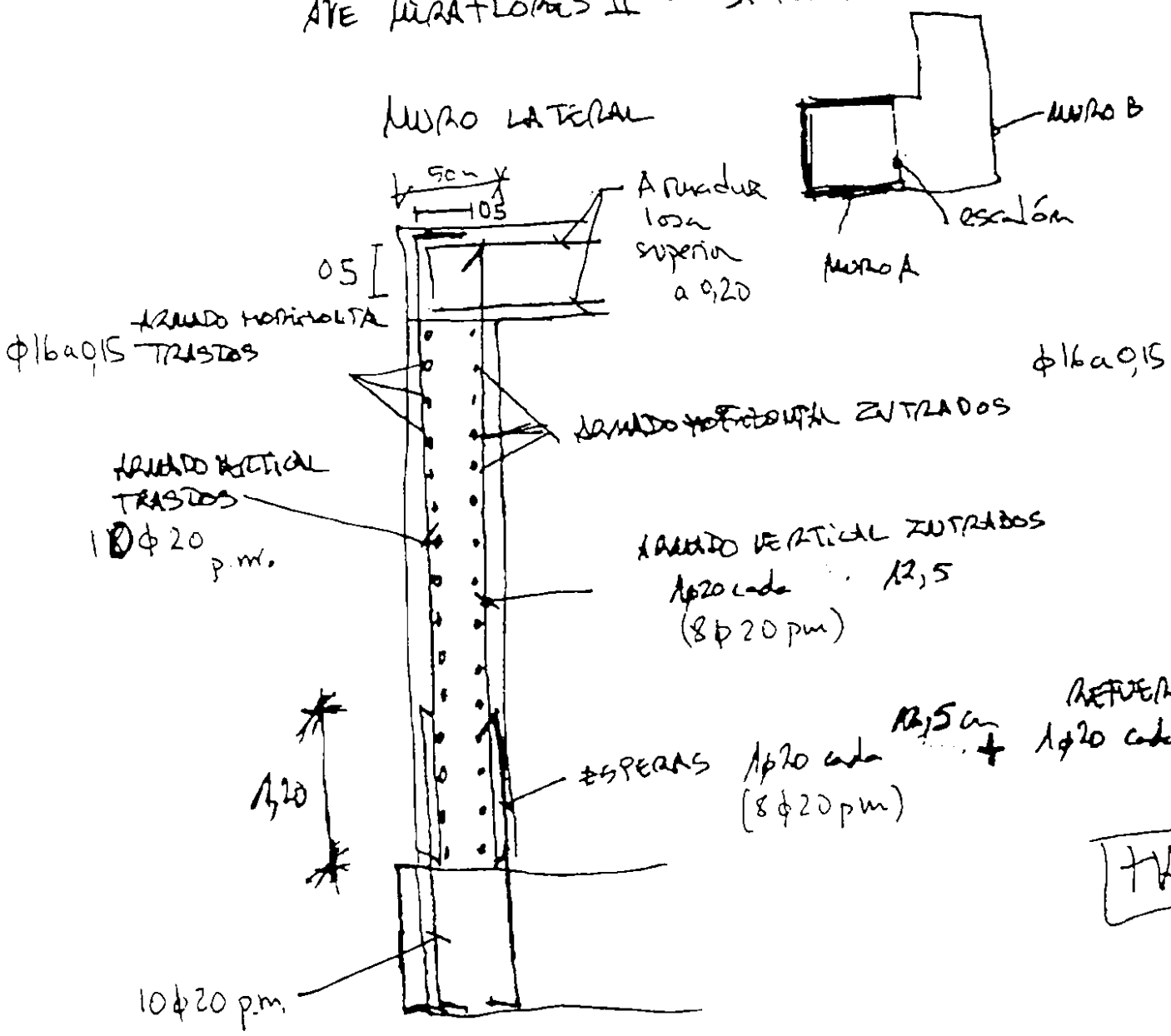
DETALLE UNION LOSA CON MURO

SE ARMA IGUAL, INFERIOR Y SUPERIOR.

AVE MIRAFLORES II - SALIDA EMERGENCIA

MURO A

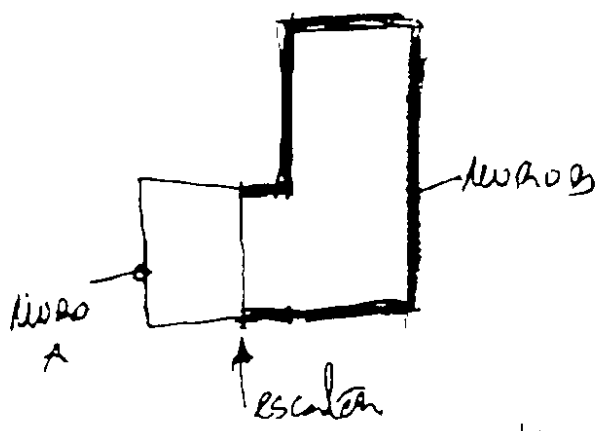
MURO LATERAL

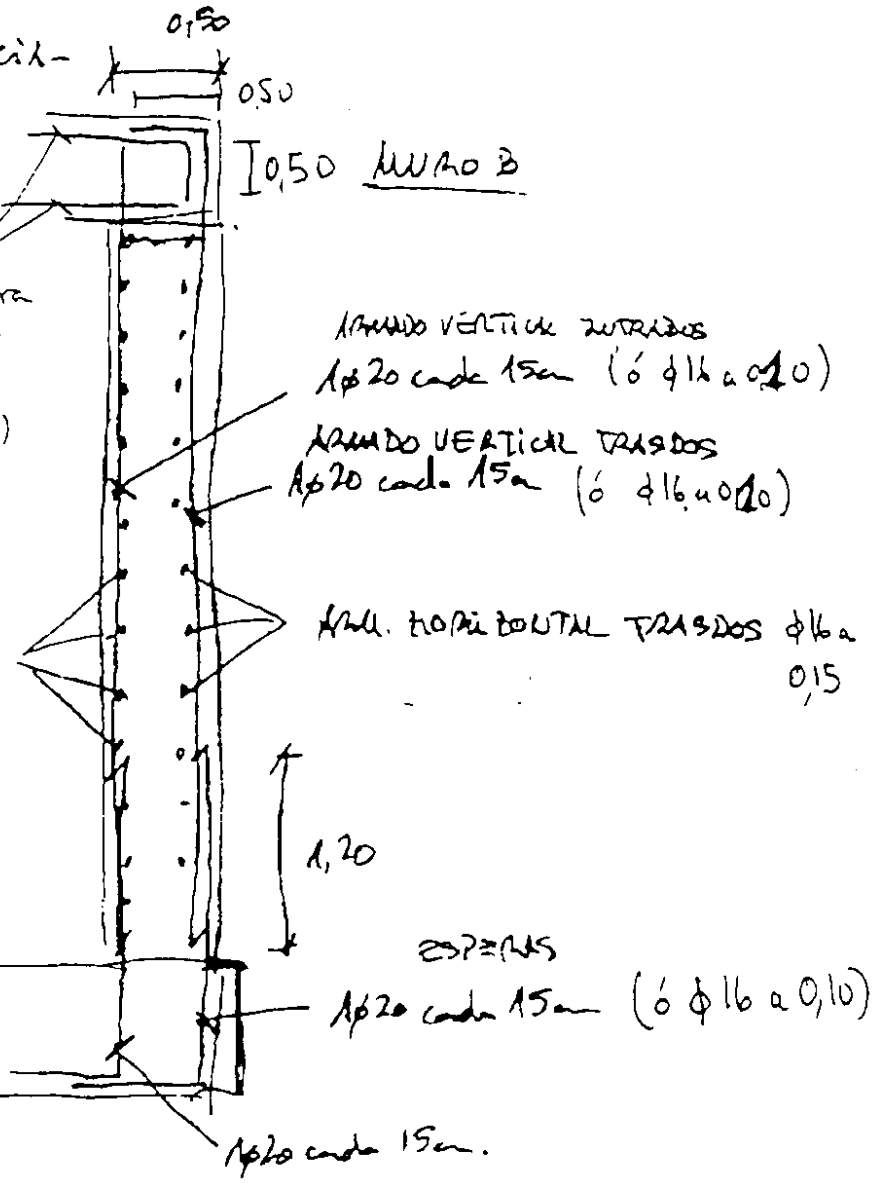


TA-25

AVE MIRAFLORES II - SALIDA EMERGENCIA -

MUROS LATERALES





MURO A

TA-25

L.AV. MADRID – ZARAGOZA
MIRAFLORES – SUBTRAMO II
TUNEL ARTIFICIAL PASEO TENOR FLETA

PRUEBA DE CARGA

MAYO 2000

Doc. Nº: OC-4-00-TA-PDC.doc
Preparado: APC
APROBADO: HCP

1 PRUEBA DE CARGA 3
1.1 Características y disposición de los camiones 3
1.2 Medidas y ensayos a realizar 4
1.3 Resultados 4

1 PRUEBA DE CARGA

1.1 Características y disposición de los camiones

El cálculo de las flechas obtenidas en la prueba de carga se realiza con el modelo de elementos finitos tipo placa utilizado para el cálculo en servicio y en estado límite último del tablero.

La posición de los camiones se define en el esquema adjunto.

El camión propuesto tiene 38.00 toneladas de peso total y 4 ejes, con los siguientes pesos por eje:

- eje trasero: 90.00 KN
- eje intermedio: 90.00 KN
- eje intermedio: 140.00 KN
- eje delantero: 60.00 KN

En planta el camión tiene unas dimensiones de 10.42 metros de largo por 2.50 metros de ancho. Las separaciones entre ejes y las distancias de los ejes extremos a los bordes del camión son las siguientes:

- distancia del eje trasero al borde del camión: 1.36 m
- distancia del eje trasero al intermedio: 1.37 m
- distancia al eje anterior: 3.07 m
- distancia del eje delantero al anterior: 3.40 m
- distancia del eje delantero al borde del camión: 1.22 m

Se ha estudiado una posición para la situación de los camiones. Esta situación de carga produce, de forma simultánea el máximo momento negativo, máximo momento positivo y máximo cortante en el tablero de la estructura del túnel artificial. Esta posición se repetirá, en distintas fases (actuación simultánea de solamente 4 camiones), a lo largo del túnel artificial con una separación de 50.00 metros con objeto de probar distintas zonas de la estructura.

La situación propuesta supone situar 3 camiones en paralelo orientados según la dirección del Paseo Tenor Fleta y separados 3.00 metros entre sí y centrados respecto de la luz transversal del falso túnel. La posición de las cargas y la definición del camión utilizado, se describen con más detalle en el listado y la figura que se adjunta.

```
FHECOR ■Ingenieros Consultores
Programa LSTCR - Posprocesador para la Prueba de Carga
                 (versión 3.0)

Túnel Artificial Tenor Fleta.


DATOS DEL CAMION DE LA PRUEBA DE CARGA

N° de ejes del camión                      : 4
Dist. transv entre ruedas [m]              : 1.90
Ancho total del camión [m]                 : 2.50
Longitud Total del camion [m]              : 10.42
Dist eje trasero al borde del camión [m]   : 1.36
Dist eje delentero al borde del camión [m] : 1.22

-------------------------------------------------------------------------------
Eje          Peso      Dist al eje anterior
             [t]             [m]
-------------------------------------------------------------------------------

  1          9.00            0.00
  2          9.00            1.37
  3         14.00            3.07
  4          6.00            3.40
```

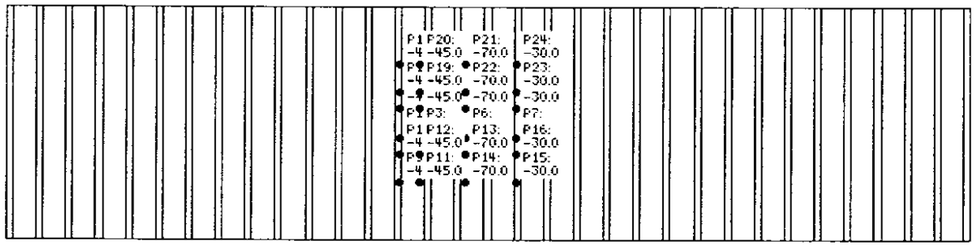


Figura 1 – Posición de los camiones durante la prueba de carga.

1.2 Medidas y ensayos a realizar

Se medirá la flecha en el centro del vano en las cinco vigas sobre las que se sitúa la carga en cada fase de la prueba de carga, así como el descenso que hubiere en los apoyos como consecuencia de los posibles descensos del terreno. La flecha de comparación se obtendrá restando a la flecha en centro de vano la media de los descensos medidos en los apoyos contiguos.

El módulo de elasticidad teórico utilizado para el cálculo de las flechas ha sido: E_c = 27000[MPa]

1.3 Resultados

A continuación se detalla en forma gráfica las flechas, así como el nivel de esfuerzos alcanzado durante la prueba de carga.

En lo relativo a las deformaciones verticales, se obtiene una flecha máximas de 5.2 mm.

Respecto de los esfuerzos, resulta necesario compara el nivel de esfuerzos alcanzado durante la prueba de carga con el alcanzado con la sobrecarga de diseño. Los momentos máximos negativos y positivos y los cortantes debidos a la sobrecarga se comparan con los obtenidos en la prueba de carga propuesta en la tabla siguientes:

Carga	M- [kNm]	M+ [kNm]	V[kN]
Sc repartida	-145.5	102.4	174 (máx)
Carro	-339.1	380.8	241
Total sc	-484.6	483.2	415
Prueba de Carga (PDC)	-300.9	230.3	294.6
PDC/Total sc [%]	62%	48%	70%

Como puede verse, se obtiene un nivel de esfuerzos para cortantes y

Flexión negativa que se sitúa entre el 60 y el 70% de los esfuerzos debidos a la sobrecarga de diseño. Con ello se cumplen las especificaciones de las *Recomendaciones para la realización de pruebas de carga de recepción en puentes de carretera (1999)*.

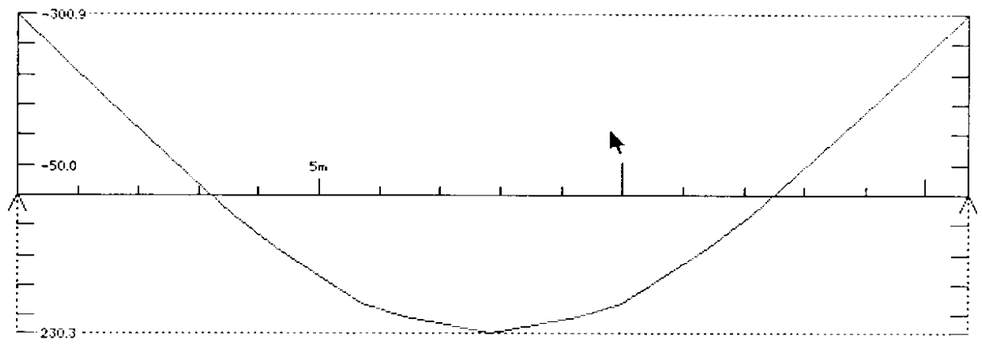


Figura 2 – Ley de momentos flectores producida durante la prueba de carga

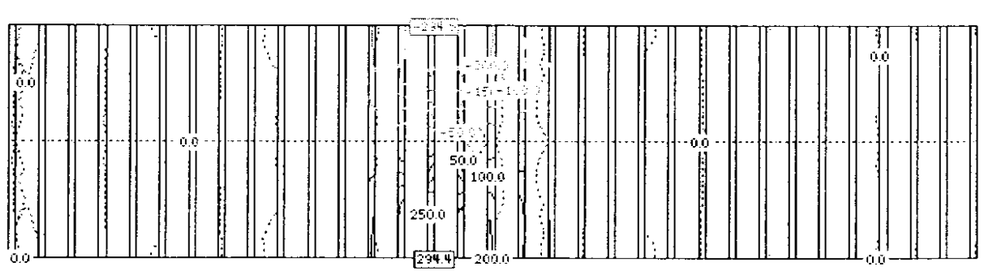


Figura 3 – Esfuerzos cortantes producidos durante la prueba de carga

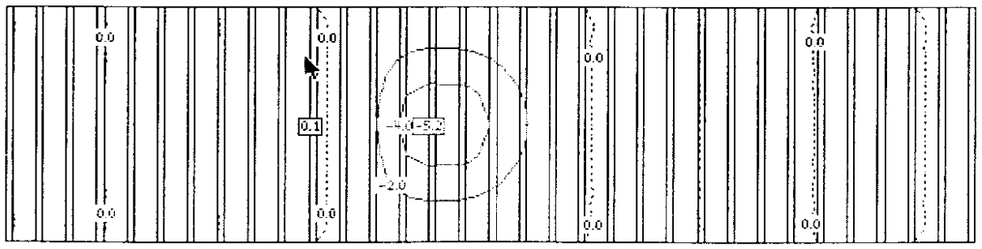


Figura 4 – Flechas alcanzadas durante la prueba de carga

Paso inferior escorredero de San Antón

CÁLCULOS JUSTIFICATIVOS

ÍNDICE

1. BASES DE CÁLCULO
   - 1.1 INSTRUCCIONES Y NORMAS APLICADAS
   - 1.2 CARACTERÍSTICAS DE LOS MATERIALES
   - 1.3 NIVELES DE CONTROL DE CALIDAD ADOPTADOS
   - 1.4 DESCRIPCIÓN DE PROGRAMAS DE ORDENADOR UTILIZADOS
2. REPLANTEO
3. CÁLCULO DEL CAJÓN
   - 3.1 MODELOS
   - 3.2 ACCIONES CONSIDERADAS
   - 3.3 COMBINACIÓN DE HIPÓTESIS
   - 3.4 HIPÓTESIS INDIVIDUALES Y ENVOLVENTES
   - 3.5 COMPROBACIONES EN SERVICIO
   - 3.6 COMPROBACIÓN ELU
4. CÁLCULO DE ALETAS
   - 4.1 MODELO DE CÁLCULO
   - 4.2 ACCIONES
   - 4.3 CÁLCULO DE ALETAS. ALZADOS Y CIMENTACIONES
5. RESULTADOS DEL CÁLCULO. LISTADOS
   - 5.1 REPLANTEO. PUNTOS BÁSICOS DE REPLANTEO
   - 5.2 MODELO DE CÁLCULO I. MODELO ELEMENTOS FINITOS TIPO PLACA. LOSA SUPERIOR
   - 5.3 MODELO DE CÁLCULO II. PÓRTICO PLANO
   - 5.4 LISTADO DE HIPÓTESIS INDIVIDUALES
   - 5.5 CAJÓN. ESTADO LÍMITE DE SERVICIO
   - 5.6 CAJÓN. ESTADO LÍMITE ÚLTIMO
   - 5.7 ALETAS

1 BASES DE CALCULO

1. BASES DE CÁLCULO

1.1 Instrucciones y Normas aplicadas

Para el proyecto de esta estructura se han respetado las prescripciones y recomendaciones de los siguientes documentos:

- Instrucción del Hormigón estructural EHE.
- Instrucción de acciones en puente de carreteras, IAP.

1.2 Características de los materiales

Los materiales empleados en la losa superior son:

- Hormigón HA-25/B/20/IIa
  - Control: Estadístico
  - Coeficiente de minoración: 1.50
- Acero Pasivo B 500 S
  - Control: Normal
  - Coeficiente de minoración: 1.15

Los materiales empleados en el alzado de hastiales y aletas son:

- Hormigón HA-25/B/20/IIa
  - Control: Estadístico
  - Coeficiente de minoración: 1.50
- Acero Pasivo B 500 S
  - Control: Normal
  - Coeficiente de minoración: 1.15

Los materiales empleados en las cimentaciones:

- Hormigón HA-25/20/B/IIa
  - Control: Estadístico
  - Coeficiente de minoración: 1.50
- Acero Pasivo B 500 S
  - Control: Normal
  - Coeficiente de minoración: 1.15

1.3 Niveles de control de calidad adoptados

El nivel de control de calidad adoptado en toda la estructura es intenso. A continuación se dan los valores de los coeficientes de mayoración de acciones γ_f segun la Instrucción EHE:

- Carga Permanente de valor constante: γ_G=1.35
- Carga Permanente de valor no constante: γ_G·=1.50
- Carga Variable: γ_Q=1.50

.1.4 Descripción de programas de ordenador utilizados

Para el cálculo de toda la estructura se han utilizado los siguientes programas de ordenador, cuya descripción se incluye en el Anejo de 'Documentación de programas de ordenador utilizados':

- Replanteo: Con los datos de trazado, el encaje proyectado y la geometría del paso inferior se calcula el replanteo, mediante CAD (el programa que se utiliza es CADKEY97).

- Modelo general de la losa superior: Se genera un modelo de elementos finitos tipo placa con el programa CEDRUS3, desarrollado por CUBUS AG. Este modelo permite evaluar el reparto transversal y el efecto del esviaje que existe entre el paso inferior y el eje de la vía superior.

- Modelo general de cajón: Se genera un modelo de elementos finitos tipo barra con el programa STATIK3, de CUBUS AG. Para el cálculo de la estructura del cajón se ha desarrollado un pórtico plano. Los esfuerzos obtenidos en dicho modelo permiten el cálculo de las armaduras necesarias en la losa superior, losa inferior y en los hastiales.

- Cálculo de aletas: Las aletas se han dimensionado y comprobado mediante cálculo manual a partir de los datos geométricos y de las acciones que actúan sobre los muros.

2. REPLANTEO

2 REPLANTEO

Para el replanteo y encaje del escorredero se ha partido de los datos de trazado de la línea de ferrocarril.

El encaje del cajón se ha llevado a cabo con los siguientes criterios:

- La nueva construcción se hace junto al escorredero ya existente, respetando su capacidad hidráulica.
- El cruce del cauce se produce oblicuamente al eje del ferrocarril.
- El paso inferior está formada por un pórtico de 5.25 m de ancho libre y una altura mínima de 1.32 m. Las losa de cimentación se ejecutan con la pendiente del cauce situando la cara superior variando desde 202.30 a 202.15 m.
- El talud del terraplén del ferrocarril es 2H:1V.
- El talud del desmonte del terreno natural es es 3H:2V.
- Las losas y hastiales se han proyectado con 0.60 m de canto de manera uniforme.
- La losa superior de la obra de paso se ha proyectado paralela al trazado del FFCC.

Los puntos básicos de replanteo del paso inferior son los indicados en la siguiente tabla

PUNTO		X	Y	Z1	Z2	Z3
Lado norte	A	678862.613	4610308.932	204.216	203.616	202.289
	B	678877.278	4610314.811	204.165	203.565	202.139
Lado sur	C	678858.503	4610313.016	204.263	203.663	202.311
	D	678873.17	4610318.892	204.212	203.612	202.161

En la tabla anterior, la cota Z1 corresponde a la cota del paramento superior de la losa superior, mientras que Z2 es la cota de la cara inferior de esa misma losa, la Z3 representa la cota de la losa inferior sobre la que discurre el cauce. Los puntos B y D son los que enlazan con el escorredero existente.

Con relación al encaje de las aletas, en su definición se han seguido los siguientes criterios:

- Todas las aletas forman un ángulo de 40º con el eje longitudinal del camino con el fin de encauzar las aguas.
- La longitud de las aletas viene dada como la máxima posible para contener el desmonte sin un vuelo excesivo.

Los puntos básicos de replanteo de aletas son los indicados a continuación:

ALETA	X	Y	ZA1	ZA2	ZA3	ZA4
Norte	678853.419	4610314.683	204.263	202.311	204.263	203.963
Sur	678860.088	4610304.216	204.216	202.289	204.216	203.916

La cota ZA1 corresponde a la losa superior en el comienzo de la aleta, la ZA2 indica la posición del punto más bajo de la aleta en su inicio (que corresponde a la cota superior de la losa inferior); la cota Z3 indica el punto más alto del extremo de la aleta (sin contar la imposta) y por último, el punto Z4 da la posición del vértice inferior al final de la aleta.

3. CÁLCULO DEL CAJÓN

.3 CÁLCULO DEL CAJÓN

.3.1 Modelos

Para el cálculo de la estructura del cajón se han utilizado dos modelos de cálculo:

- Modelo de elementos finitos tipo placa (Modelo de cálculo I), para el análisis del reparto transversal de cargas en la losa superior, se ha generado un m.e.f. tipo placa, mediante el programa CEDRUS3, desarrollado por CUBUS AG.

  En este modelo se han incluido los hastiales, considerando su rigidez al giro en cabeza, evaluadas con:

  $$K = 4 (EI / L)$$

  La precisión de esta evaluación se ha verificado con el modelo de barras que se describe más adelante, observando que el reparto de esfuerzos flectores entre losa y hastiales es idéntico.

- Modelo de elementos finitos tipo barra. El cálculo de la estructura del cajón (losas superior y hastiales) se ha realizado con un pórtico plano, formado por elementos finitos tipo barra. Se ha utilizado el programa STATIK3, desarrollado por CUBUS AG.

  Este modelo simula una sección del cajón de 1.00 m de anchura. Está constituido por los siguientes elementos:

  - Losa superior. Se simula mediante una barra de 0.6 m de canto.
  - Hastiales. Constituidas por dos barras de 0.60 m de canto.
  - Losa inferior. Se modeliza con 26 barras de 0.6 m de canto en cuyos nudos se alojan las características del suelo (coeficiente de balasto de 100000 kN/m2).

  Con la carga determinada en el modelo anterior y con las que actúan directamente sobre el cajón (ver apartado 3.3.2 Acciones consideradas), se han dimensionado los elementos que componen la estructura del cajón.

El cálculo llevado a cabo mediante estos modelos es elástico y lineal. Como módulo de deformación se ha tomado el propuesto por la EHE, es decir, 27300 Mpa en todos los elementos.

Con este modelo se han desarrollado los cálculos en servicio y agotamiento del cajón que se incluyen en los apartados 3.3.5 y 3.3.6.

A continuación se incluye la definición de los modelos utilizados.

3.2 Acciones consideradas

Las cargas consideradas en el cálculo son las siguientes:

- Peso propio de la losa. Se ha considerado una densidad de 25 kN/m^3. Dado que el canto de esta losa es de 0.60 m, la carga superficial correspondiente es 15 kN/m^2.

- Carga muerta. Se ha considerado el espesor del balasto con una densidad de 1.6 kN/ m^3, considerando un aumento de un 30 % para obtener el valor característico superior. Se han considerado igualmente las cargas debidas a la superestructura en la forma indicada en las recomendaciones para el proyecto. Se ha considerado una capa de hormigón de forma de espesor variable entre 0 y 15.0 cm para la evacuación de aguas superficiales. En este caso no será estrictamente necesario disponer dicho hormigón de forma debido a la pendiente longitudinal que proporciona el ferrocarril, pero su cálculo nos deja del lado de la seguridad. El peso del balasto se considera en una franja de 10.0 m de ancho, mientras que las cargas introducidas por los carriles, traviesas se sitúan en sendas franjas de 2.89 m. En los extremos del paso se considera una carga lineal de 11.12 kN/m que incluyen los paseos, barandillas, cableado e imposta.

- Sobrecarga ferroviaria: se han considerado los trenes de carga de la Instrucción IAPF y del Eurocódigo 1:

  - Tren tipo A (IAPF): compuesto por tres cargas puntuales de 300 kN, separadas 1.50 m.
  - Tren tipo B (IAPF): compuesto por una carga lineal de 120.0 kN/m.
  - Tren UIC-71: compuestos por dos cargas lineales de 80 kN/m separadas 6.40 m entre las que se sitúan cuatro cargas puntuales de 250 kN separadas entre sí 1.60 metros.
  - Tren SW2: formado por una carga lineal de 150 kN/m a lo largo de todo el paso.

El coeficiente de impacto considerado en el cálculo es diferente para el caso de trenes tipo A y B, que para trenes UIC-71 y SW2. En el primer caso alcanza un valor I=1.66, mientras que en el segundo caso su valor es de:

$$\phi_2 = \frac{1.44}{L_\phi - 0.2} + 0.82 = 1.35$$

En la consideración del frenado se distingue entre los diferentes trenes tipo:se ha empleado la formulación de EC-1 (25% de las cargas verticales) por resultar la más desfavorable.

- Gradiente térmico entre paramentos de la losa con una diferencia de temperatura de 10ºC.

- Empuje de tierras en trasdós de hastiales y aletas. Del lado de la seguridad, en los cálculos en servicio se ha considerado el empuje activo como una carga permanente y la diferencia entre el activo y el reposo como una sobrecarga, al tiempo que en agotamiento se ha tenido en cuenta siempre el empuje al reposo.

.3.3 Combinación de hipótesis

A continuación, se incluyen los listados de las diferentes combinaciones elegidas para la comprobación del cajón de la obra de paso, tanto en servicio como en agotamiento. Los coeficientes de mayoración y de combinación adoptados corresponden a los indicados en la Instrucción de Hormigón Estructural.

Estado Límite de Servicio

Alternativa	Hipótesis	$\gamma_{favorable}$	$\gamma_{desfavorable}$
1	Peso propio	1.00	1.00
	Carga muerta	1.00	1.00
	Sobrecargas	0.00	1.00
	Empuje tierras	1.00	1.00

Estado Límite Último

Alternativa	Hipótesis	$\gamma_{favorable}$	$\gamma_{desfavorable}$
1	Peso propio	1.00	1.35
	Carga muerta	1.00	1.35
	Sobrecargas	0.00	1.50
	Empuje tierras	1.50	1.50

3.4 Hipótesis individuales y envolventes

Estos listados se incluyen en el apartado 3.5.5 de la presente Memoria y deben permitir la comprobación de los cálculos por personas ajenas al proyecto.

.3.5 Comprobaciones en servicio

Se han calculado las envolventes de servicio de los esfuerzos transmitidos por la cimentación del paso inferior.

Con estos esfuerzos se han comprobado que las tensiones transmitidas al terreno son inferiores a los valores admisibles: 0.75 kg/cm2 de media y 1.5 en punta

3.6 Comprobación ELU

Los listados que se adjuntan en el apartado 3.5.7 corresponden a las envolventes en el cajón de flexión, axil y cortante, obtenidos en el modelo de cálculo plano. En cada caso, se da el esfuerzo envolvente y el par de esfuerzos concomitantes con aquel.

A continuación se incluyen un resumen de los cálculos de comprobación del Estado Límite Último de las secciones interiores. Éstos comprenden:

- Gráficos relativos a las envolventes de flectores, axiles y cortantes en E.L.U.
- Cálculos de dimensionamiento y comprobación de las secciones críticas del paso inferior.

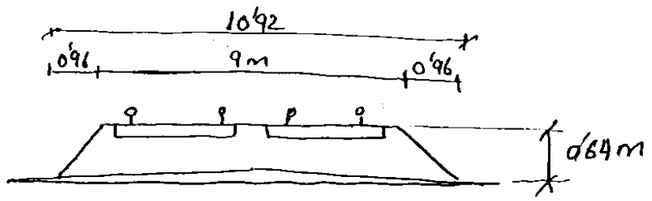
CARGAS CONSIDERADAS

①. Peso propio $\gamma = 25\,kN/m^3$

②. Carga muerta

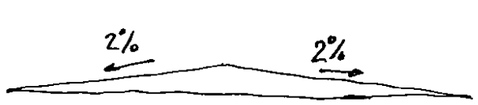
- Balasto

$q_{bal} = 16\frac{kN}{m^3} \times 0'64m = 10'24\,kN/m^2$ en banda de 10'92m



- Hormigón de forma

A pesar de la pendiente longitudinal que permite desagüar se contabiliza y prevee el peso de un posible bombeo del 2%



$q_{hf} = \frac{1}{2} 14'6m \times 0'142 \times \frac{24}{14'32} = 1'72\frac{kN}{m^2}$

- Traviesas + carriles

$q_T + q_c = 12'8\frac{kN}{m}$ en las dos vías

Reparto con Δ^4_1 en el balasto y Δ^2_1 en las tierras

$e_{m_1} = 0'57m$

$e_{m_2} = 0m$

$d = 2'89m$

$q_T + q_c = \frac{12'8}{2} \cdot \frac{1}{2'89} = 2'22\frac{kN}{m^2}$ en 2 bandas de 2'89m

- Carga lineal

$q = 11'925\,kN/m$ en bordes de vía siendo:

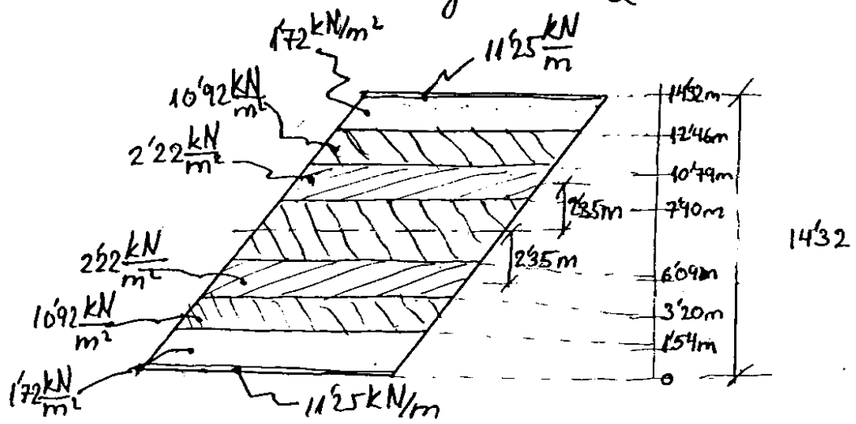
3 kN/m cableado

55 kN/m pasos

2 kN/m barandilla

1'625 kN/m imposta

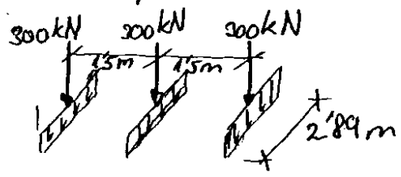
Resumen de la carga muerta



③ Sobrecarga

- Tren A

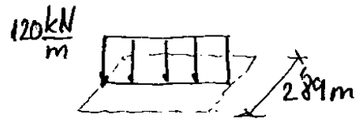
Tres cargas puntuales de 300 kN separadas 1'5m



$q = 103'99\ kN/m$

- Tren B

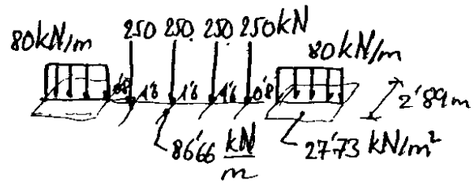
Una carga lineal de 120 kN/m



$q = 41'59\ kN/m^2$

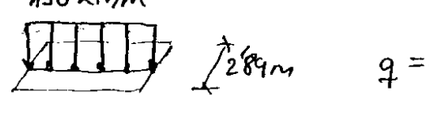
- UIC-71

Dos cargas lineales de 80 kN/m separadas 6'40m entre las que se sitúan cuatro cargas puntuales de 250k separadas 1'60m entre sí



- SW2

Una carga lineal de 150 kN/m en todo el paso



$q = 51'99\ \frac{kN}{m^2}$

④ Gradiente térmico

$\Delta T = 10°C$ en 0'6m de canto

$$k = \frac{10°C}{0'60} \cdot 10^{-5}\,(°C)^{-1} = 16'67 \cdot 10^{-5}\,m^{-1}$$

- Coeficiente de impacto

- EC-3 : $L_\phi = k \cdot L_m = 1'3 \times 6'45 = 8'385\,m$

$$\phi_2 = \frac{1'44}{\sqrt{L_\phi} - 0'2} + 0'82 = 1'35$$ Para SW2 y UIC-71

- IPF-75 : $I = 33 \cdot 10^{-2} \cdot V(km/h) = 33 \times 10^{-2} \times 200 = 66$

Para Tren tipo A y B

.4. CÁLCULO DE ALETAS

4 CÁLCULO DE ALETAS

.4.1 Modelo de cálculo

Las aletas se han calculado manualmente.

Los cálculos que se realizan son los indicados a continuación:

- Dimensionamiento de la armadura del muro.

Los muros dispuestos tienen un canto constante de 0.45 m

.4.2 Acciones

Las acciones que se han considerado en el cálculo de las aletas son las que se indican a continuación:

- Peso propio. Se ha considerado una densidad γ=25.0 kN/m^3.
- Sobrecarga. Se ha tenido en cuenta una sobrecarga de 10 kN/m^2, actúando en el trasdós de los muros.
- Peso de las tierras. La densidad que se ha empleado es γ=20 kN/m^3.
- Empuje de las tierras. Se ha considerado el empuje en reposo,:

El coeficiente de seguridad de mayoración de acciones que se ha empleado es γ_f=1.50.

.4.3 Cálculo de aletas. Alzados y cimentaciones

Las secciones que se han considerado en el cálculo de las aletas es la que se indica en la tabla inferior.

Dicha tabla permite identificar los resultados adjuntos en las hojas de cálculo que se incluyen en los apartados 3.5.8 a 3.5.11.

Zona	z_{cim} (m)[1]	z_{cor} (m)	H (m)
Aleta 1	202.300	204.217	1.917
Aleta 2	202.300	204.263	1.963

[1] z_{cim}: corresponde a la cara superior de zapata, que define la altura del muro
z_{cor}: cota de coronación. En el cálculo no se ha considerado la altura de la imposta, sobre la que no actúa el empuje de tierras.

5. RESULTADOS DEL CALCULO. LISTADOS

5 RESULTADOS DEL CALCULO. LISTADOS

.5.1 Replanteo. Puntos básicos de replanteo

- Cajón

PUNTO		X	Y	Z1	Z2	Z3
Lado norte	A	678862.613	4610308.932	204.216	203.616	202.289
	B	678877.278	4610314.811	204.165	203.565	202.139
Lado sur	C	678858.503	4610313.016	204.263	203.663	202.311
	D	678873.17	4610318.892	204.212	203.612	202.161

- Aletas

ALETA	X	Y	ZA1	ZA2	ZA3	ZA4
Norte	678853.419	4610314.683	204.263	202.311	204.263	203.963
Sur	678860.088	4610304.216	204.216	202.289	204.216	203.916

5.2 Modelo de cálculo I. Modelo elementos finitos tipo placa. Losa superior

En las páginas siguientes se adjunta la descripción del modelo desarrollado así como la entrada de cargas.

También se incluyen los resultados correspondientes a las hipótesis individuales utilzadas en este modelo auxiliar.

5.3 Modelo de cálculo II. Pórtico plano

En este apartado se adjunta la definición del modelo empleado, incluyendo las hipótesis de cargas empleadas.

Al final del apartado se adjuntan gráficos que describen el modelo y las cargas.

DATOS CONTORNO: (ID=F)

COORDENADAS: (Optimizado Nº de nudos)

Nudo	X-Coord [m]	Y-Coord [m]	Nudo	X-Coord [m]	Y-Coord [m]	Nudo	X-Coord [m]	Y-Coord [m]
Puntos contorno								
1	0.000	0.000	21	7.120	0.000	437	6.680	14.320
456	13.800	14.320						

CANTOS Y MATERIALES:

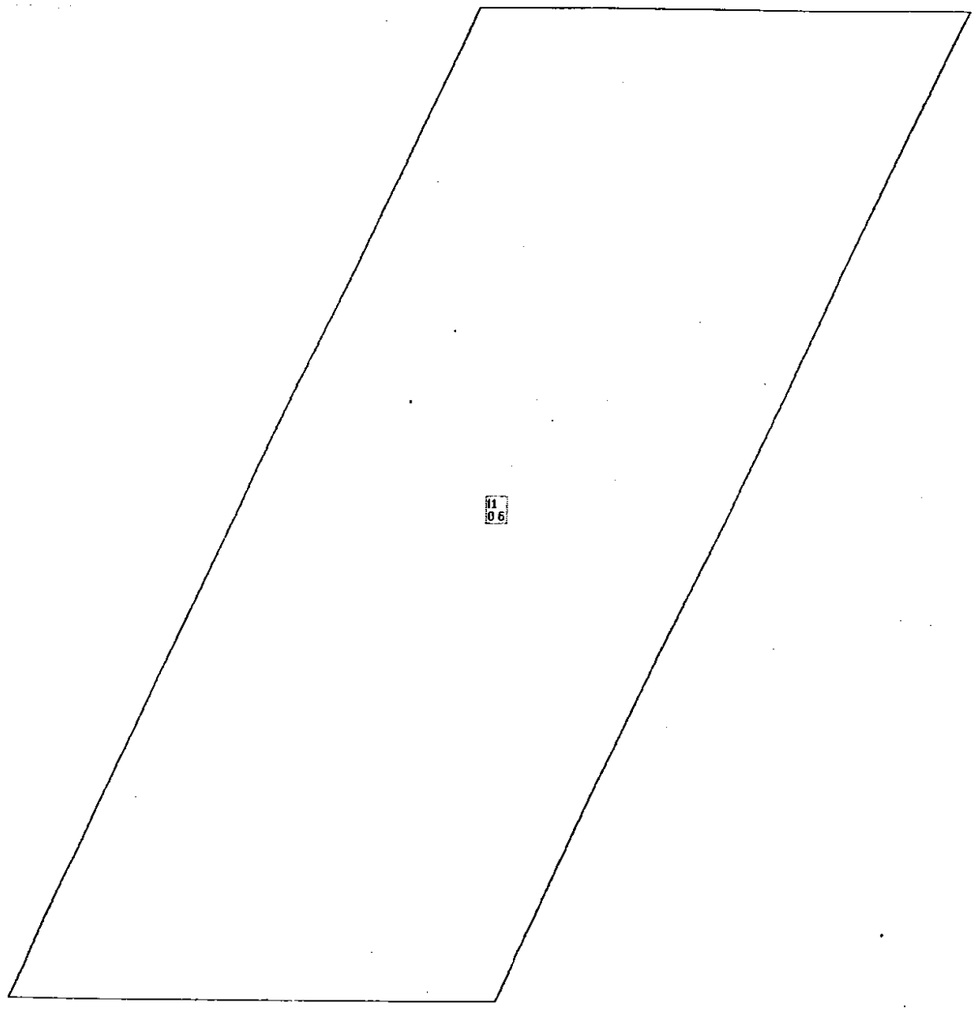
d : Canto losa
Emod : Módulo de elasticidad
Nue : Poisson
Adir : Dirección x para salida de resultados
Mdir : Dirección principales para materiales
d11.. : Coeficientes de ortotropia
h : Canto nervio
dPlt : Canto de la losa al lado del nervio (0 = adoptar)
dÜbr : Canto del espesor superior
Dir : Dirección del eje del nervio

I1: Isótropo d = 0.600 [m] Adir= -25.00 [Grados]
modE=2.70E+07 [kN/m2] Nue = 0.167 [-] drec= 0.000 [m]

APOYOS PUNTUALES/lineales

Id	tipo	vz [kN/m2]	rx [kNm/m]	ry [kNm/m]	Angulo [Grados]
Apoyo lineal:					
L1: elástico		bloqueado	848908.3	libre	64.992
	Nu:	L11 = 3	L12 = 33	L13 = 50	L14 = 67
		L15 = 83	L16 = 99	L17 = 117	L18 = 135
		L19 = 153	L110 = 171	L111 = 189	L112 = 207
		L113 = 225	L114 = 243	L115 = 261	L116 = 279
		L117 = 297	L118 = 315	L119 = 333	L120 = 351
		L121 = 369	L122 = 387	L123 = 405	L124 = 423
		L125 = 439			
L2: elástico		bloqueado	848908.3	libre	64.992
	Nu:	L21 = 19	L22 = 42	L23 = 60	L24 = 79
		L25 = 98	L26 = 116	L27 = 134	L28 = 152
		L29 = 170	L210 = 188	L211 = 206	L212 = 224
		L213 = 242	L214 = 260	L215 = 278	L216 = 296
		L217 = 314	L218 = 332	L219 = 350	L220 = 368
		L221 = 386	L222 = 404	L223 = 422	L224 = 454

Escala 1 : 90.0
Geometrie (ID=F)
- ID zona material y canto [m]



MALLA EF:
=========

COORDENADAS (Nº de nudos optimizados)

Nº-Nu	X-Coord [m]	Y-Coord [m]	Nº-Nu	X-Coord [m]	Y-Coord [m]	Nº-Nu	X-Coord [m]	Y-Coord [m]
1	0.000	0.000	2	0.150	0.000	3	0.300	0.000
4	0.492	0.000	5	0.684	0.000	6	1.027	0.000
7	1.424	0.000	8	1.752	0.000	9	2.476	0.000
10	2.848	0.000	11	3.200	0.000	12	3.925	0.000
13	4.272	0.000	14	4.649	0.000	15	5.374	0.000
16	6.098	0.000	17	6.436	0.000	18	6.628	0.000
19	6.820	0.000	20	6.970	0.000	21	7.120	0.000
22	6.677	0.104	23	3.987	0.133	24	2.542	0.142
25	1.098	0.152	26	6.533	0.208	27	0.816	0.284
28	0.658	0.357	29	6.281	0.391	30	4.836	0.401
31	3.392	0.410	32	1.947	0.420	33	0.501	0.430
34	0.378	0.488	35	0.254	0.545	36	7.407	0.616
37	5.686	0.669	38	7.284	0.674	39	4.241	0.678
40	2.797	0.688	41	1.352	0.697	42	7.161	0.731
43	7.003	0.805	44	1.070	0.829	45	6.846	0.878
46	0.913	0.902	47	5.091	0.946	48	3.646	0.956
49	2.202	0.965	50	0.755	0.976	51	6.568	1.008
52	0.632	1.033	53	0.509	1.091	54	4.496	1.224
55	7.695	1.232	56	3.051	1.233	57	1.607	1.243
58	5.973	1.285	59	7.572	1.290	60	7.448	1.347
61	1.324	1.374	62	7.291	1.421	63	1.167	1.448
64	7.133	1.494	65	3.900	1.501	66	2.456	1.511
67	1.010	1.521	68	5.378	1.563	69	0.886	1.579
70	6.855	1.624	71	0.763	1.636	72	3.305	1.779
73	1.861	1.788	74	4.783	1.840	75	7.982	1.849
76	6.260	1.901	77	7.859	1.906	78	1.579	1.920
79	7.736	1.964	80	1.421	1.993	81	7.578	2.037
82	2.710	2.056	83	1.264	2.067	84	7.421	2.111
85	4.188	2.117	86	1.140	2.124	87	5.665	2.179
88	1.018	2.181	89	7.143	2.240	90	2.115	2.334
91	3.593	2.395	92	5.070	2.456	93	8.270	2.465
94	1.833	2.465	95	6.548	2.518	96	8.146	2.522
97	1.676	2.539	98	8.023	2.580	99	1.518	2.612
100	7.865	2.653	101	1.395	2.670	102	2.998	2.672
103	1.272	2.727	104	7.708	2.727	105	4.475	2.734
106	5.953	2.795	107	7.430	2.856	108	2.403	2.950
109	3.880	3.011	110	5.358	3.073	111	8.557	3.081
112	2.120	3.082	113	6.835	3.134	114	8.434	3.139
115	1.963	3.155	116	8.311	3.196	117	1.806	3.228
118	8.153	3.270	119	1.682	3.286	120	3.285	3.289
121	1.559	3.343	122	7.995	3.343	123	4.763	3.350
124	6.240	3.411	125	7.718	3.473	126	2.690	3.566
127	4.167	3.627	128	5.645	3.689	129	8.845	3.697
130	2.408	3.698	131	7.122	3.750	132	8.721	3.755
133	2.250	3.771	134	8.598	3.812	135	2.093	3.844
136	8.440	3.886	137	1.970	3.902	138	3.572	3.905
139	1.847	3.959	140	8.283	3.959	141	5.050	3.966
142	6.527	4.028	143	8.005	4.089	144	2.977	4.182
145	4.455	4.244	146	5.932	4.305	147	9.132	4.313
148	2.695	4.314	149	7.410	4.366	150	9.008	4.371
151	2.538	4.387	152	8.886	4.428	153	2.381	4.461
154	8.728	4.502	155	2.257	4.518	156	3.860	4.521
157	2.134	4.575	158	8.570	4.576	159	5.337	4.583

Nº-Nu	X-Coord [m]	Y-Coord [m]	Nº-Nu	X-Coord [m]	Y-Coord [m]	Nº-Nu	X-Coord [m]	Y-Coord [m]
160	6.815	4.644	161	8.292	4.705	162	3.265	4.799
163	4.742	4.860	164	6.220	4.921	165	9.420	4.930
166	2.982	4.930	167	7.697	4.983	168	9.296	4.988
169	2.825	5.004	170	9.173	5.045	171	2.668	5.077
172	9.015	5.118	173	2.544	5.135	174	4.147	5.137
175	2.422	5.192	176	8.857	5.192	177	5.625	5.199
178	7.102	5.260	179	8.580	5.321	180	3.552	5.415
181	5.030	5.476	182	6.507	5.538	183	9.707	5.546
184	3.270	5.547	185	7.985	5.599	186	9.583	5.604
187	3.112	5.620	188	9.461	5.661	189	2.956	5.693
190	9.302	5.735	191	2.832	5.751	192	4.435	5.754
193	2.709	5.808	194	9.145	5.808	195	5.912	5.815
196	7.389	5.876	197	8.867	5.938	198	3.839	6.031
199	5.317	6.093	200	6.794	6.154	201	9.995	6.162
202	3.557	6.163	203	8.272	6.215	204	9.870	6.220
205	3.400	6.236	206	9.748	6.277	207	3.243	6.309
208	9.590	6.351	209	3.119	6.367	210	4.722	6.370
211	2.997	6.424	212	9.432	6.424	213	6.199	6.431
214	7.677	6.493	215	9.154	6.554	216	4.127	6.647
217	5.604	6.709	218	7.082	6.770	219	10.282	6.778
220	3.845	6.779	221	8.559	6.831	222	10.158	6.836
223	3.687	6.853	224	10.036	6.893	225	3.531	6.925
226	9.877	6.967	227	3.406	6.983	228	5.009	6.986
229	3.284	7.040	230	9.719	7.041	231	6.487	7.048
232	7.964	7.109	233	9.442	7.170	234	4.414	7.264
235	5.892	7.325	236	7.369	7.386	237	10.569	7.395
238	4.132	7.395	239	8.847	7.448	240	10.445	7.453
241	3.974	7.469	242	10.323	7.509	243	3.818	7.542
244	10.164	7.583	245	3.694	7.600	246	5.297	7.602
247	3.572	7.657	248	10.007	7.657	249	6.774	7.664
250	8.252	7.725	251	9.729	7.786	252	4.702	7.880
253	6.179	7.941	254	7.656	8.003	255	10.857	8.011
256	4.419	8.012	257	9.134	8.064	258	10.732	8.069
259	4.262	8.085	260	10.610	8.126	261	4.105	8.158
262	10.452	8.200	263	3.981	8.216	264	5.584	8.219
265	3.859	8.273	266	10.294	8.273	267	7.061	8.280
268	8.539	8.341	269	10.016	8.403	270	4.989	8.496
271	6.466	8.558	272	7.944	8.619	273	11.144	8.627
274	4.707	8.628	275	9.421	8.680	276	11.020	8.685
277	4.549	8.701	278	10.898	8.742	279	4.393	8.774
280	10.739	8.816	281	4.268	8.832	282	5.871	8.835
283	4.147	8.889	284	10.582	8.889	285	7.349	8.896
286	8.826	8.958	287	10.304	9.019	288	5.276	9.112
289	6.754	9.174	290	8.231	9.235	291	11.432	9.243
292	4.994	9.244	293	9.709	9.296	294	11.307	9.301
295	4.836	9.318	296	11.185	9.358	297	4.680	9.390
298	11.026	9.432	299	4.556	9.448	300	6.159	9.451
301	4.434	9.505	302	10.869	9.506	303	7.636	9.513
304	9.114	9.574	305	10.591	9.635	306	5.564	9.729
307	7.041	9.790	308	8.519	9.851	309	11.719	9.859
310	5.281	9.860	311	9.996	9.913	312	11.594	9.918
313	5.124	9.934	314	11.473	9.974	315	4.968	10.007
316	11.314	10.048	317	4.843	10.065	318	6.446	10.068

Nº-Nu	X-Coord [m]	Y-Coord [m]	Nº-Nu	X-Coord [m]	Y-Coord [m]	Nº-Nu	X-Coord [m]	Y-Coord [m]
319	4.721	10.121	320	11.156	10.122	321	7.923	10.129
322	9.401	10.190	323	10.878	10.251	324	5.851	10.345
325	7.328	10.406	326	8.806	10.468	327	12.007	10.476
328	5.569	10.477	329	10.283	10.529	330	11.882	10.534
331	5.411	10.550	332	11.760	10.591	333	5.255	10.623
334	11.601	10.665	335	5.130	10.681	336	6.733	10.684
337	5.009	10.738	338	11.444	10.738	339	8.211	10.745
340	9.688	10.806	341	11.166	10.868	342	6.138	10.961
343	7.616	11.023	344	9.093	11.084	345	12.294	11.092
346	5.856	11.093	347	10.571	11.145	348	12.169	11.150
349	5.699	11.166	350	12.048	11.207	351	5.543	11.239
352	11.888	11.281	353	5.418	11.297	354	7.021	11.300
355	5.296	11.354	356	11.731	11.354	357	8.498	11.361
358	9.976	11.423	359	11.453	11.484	360	6.426	11.577
361	7.903	11.639	362	9.381	11.700	363	12.582	11.708
364	6.143	11.709	365	10.858	11.761	366	12.457	11.766
367	5.986	11.783	368	12.335	11.823	369	5.830	11.855
370	12.176	11.897	371	5.705	11.913	372	7.308	11.916
373	5.584	11.970	374	12.018	11.971	375	8.786	11.978
376	10.263	12.039	377	11.740	12.100	378	6.713	12.194
379	8.190	12.255	380	9.668	12.316	381	6.431	12.325
382	12.873	12.332	383	11.145	12.378	384	12.748	12.391
385	6.273	12.399	386	12.626	12.447	387	6.118	12.471
388	12.467	12.522	389	5.993	12.530	390	7.595	12.533
391	5.871	12.586	392	9.073	12.594	393	12.309	12.595
394	10.550	12.655	395	12.032	12.725	396	7.000	12.810
397	8.478	12.871	398	9.955	12.933	399	6.718	12.942
400	13.164	12.957	401	11.437	13.002	402	13.039	13.015
403	6.561	13.015	404	12.918	13.071	405	6.405	13.088
406	12.758	13.146	407	6.280	13.146	408	7.883	13.149
409	6.159	13.202	410	9.360	13.210	411	12.601	13.219
412	10.841	13.279	413	12.323	13.349	414	7.288	13.426
415	8.765	13.488	416	10.246	13.557	417	7.005	13.558
418	13.455	13.581	419	11.728	13.626	420	6.848	13.631
421	13.330	13.639	422	13.209	13.696	423	6.693	13.704
424	6.567	13.762	425	8.170	13.765	426	13.049	13.770
427	6.446	13.819	428	9.651	13.834	429	12.892	13.844
430	11.133	13.904	431	12.614	13.973	432	7.575	14.043
433	9.056	14.112	434	7.293	14.174	435	10.538	14.181
436	7.135	14.248	437	6.680	14.320	438	6.827	14.320
439	6.980	14.320	440	7.169	14.320	441	7.361	14.320
442	7.704	14.320	443	8.429	14.320	444	8.610	14.320
445	9.153	14.320	446	9.878	14.320	447	10.240	14.320
448	10.602	14.320	449	11.327	14.320	450	12.051	14.320
451	12.776	14.320	452	13.114	14.320	453	13.306	14.320
454	13.500	14.320	455	13.647	14.320	456	13.800	14.320

ELEMENTOS y NUDOS EN ESQUINAS:

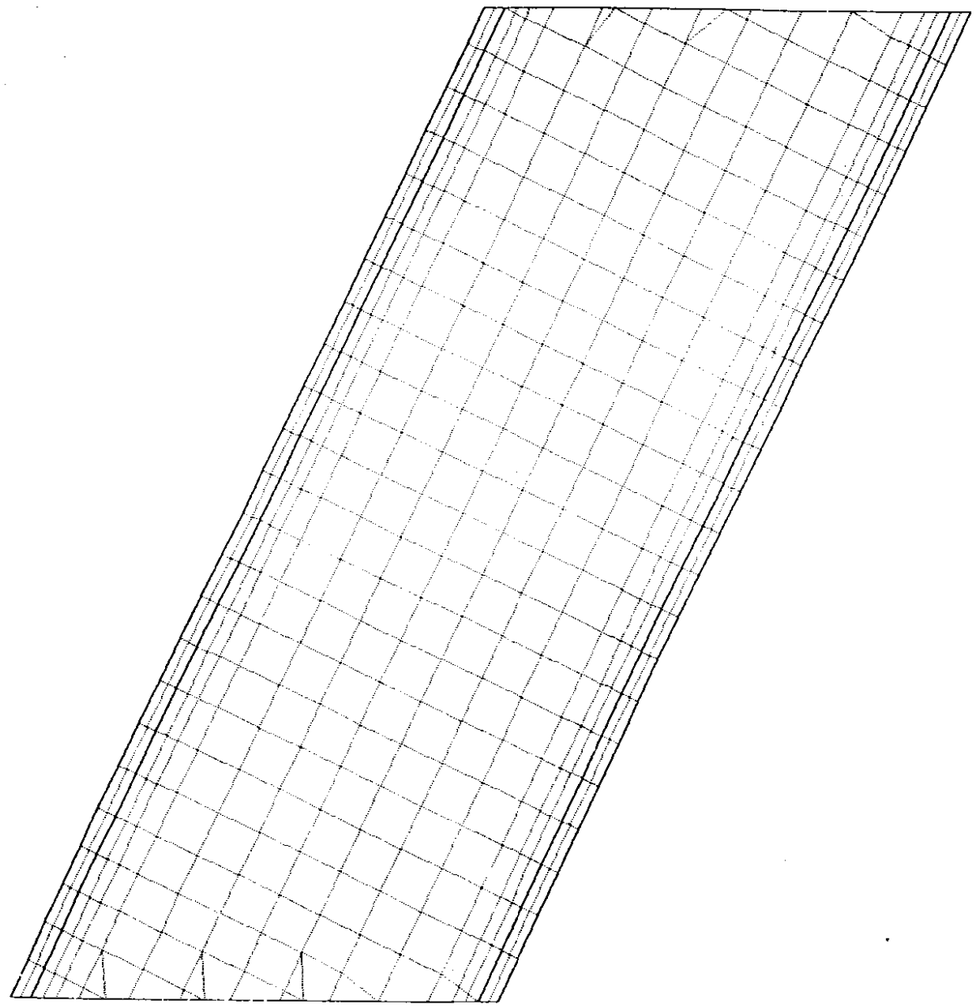
Nº-El	Nu-1	Nu-2	Nu-3	Nu-4	Nº-El	Nu-1	Nu-2	Nu-3	Nu-4
1	18	19	22	-	2	12	13	23	-
3	9	10	24	-	4	6	7	25	-
5	17	18	22	26	6	5	6	25	27
7	14	15	30	-	8	11	12	23	31
9	8	9	24	32	10	16	17	26	29
11	4	5	27	28	12	3	4	28	33
13	2	3	33	34	14	1	2	34	35
15	15	16	29	37	16	39	13	14	30
17	23	13	39	-	18	40	10	11	31
19	24	10	40	-	20	41	7	8	32
21	25	7	41	-	22	20	21	36	38
23	19	20	38	42	24	22	19	42	43
25	27	25	41	44	26	26	22	43	45
27	30	15	37	47	28	31	23	39	48
29	32	24	40	49	30	28	27	44	46
31	29	26	45	51	32	33	28	46	50
33	34	33	50	52	34	35	34	52	53
35	39	30	47	54	36	40	31	48	56
37	41	32	49	57	38	37	29	51	58
39	38	36	55	59	40	42	38	59	60
41	44	41	57	61	42	43	42	60	62
43	48	39	54	65	44	49	40	56	66
45	47	37	58	68	46	46	44	61	63
47	45	43	62	64	48	50	46	63	67
49	51	45	64	70	50	52	50	67	69
51	53	52	69	71	52	56	48	65	72
53	57	49	66	73	54	54	47	68	74
55	58	51	70	76	56	59	55	75	77
57	61	57	73	78	58	60	59	77	79
59	66	56	72	82	60	65	54	74	85
61	63	61	78	80	62	62	60	79	81
63	68	58	76	87	64	67	63	80	83
65	64	62	81	84	66	69	67	83	86
67	70	64	84	89	68	71	69	86	88
69	73	66	82	90	70	72	65	85	91
71	74	68	87	92	72	76	70	89	95
73	78	73	90	94	74	77	75	93	96
75	82	72	91	102	76	80	78	94	97
77	79	77	96	98	78	85	74	92	105
79	83	80	97	99	80	81	79	98	100
81	87	76	95	106	82	86	83	99	101
83	84	81	100	104	84	88	86	101	103
85	89	84	104	107	86	90	82	102	108
87	91	85	105	109	88	92	87	106	110
89	95	89	107	113	90	94	90	108	112
91	96	93	111	114	92	97	94	112	115
93	102	91	109	120	94	98	96	114	116
95	99	97	115	117	96	105	92	110	123
97	100	98	116	118	98	101	99	117	119
99	106	95	113	124	100	104	100	118	122
101	103	101	119	121	102	107	104	122	125
103	108	102	120	126	104	109	105	123	127
105	110	106	124	128	106	113	107	125	131

Nº-El	Nu-1	Nu-2	Nu-3	Nu-4	Nº-El	Nu-1	Nu-2	Nu-3	Nu-4
107	112	108	126	130	108	114	111	129	132
109	115	112	130	133	110	120	109	127	138
111	116	114	132	134	112	117	115	133	135
113	123	110	128	141	114	118	116	134	136
115	119	117	135	137	116	124	113	131	142
117	122	118	136	140	118	121	119	137	139
119	125	122	140	143	120	126	120	138	144
121	127	123	141	145	122	128	124	142	146
123	131	125	143	149	124	130	126	144	148
125	132	129	147	150	126	133	130	148	151
127	138	127	145	156	128	134	132	150	152
129	135	133	151	153	130	141	128	146	159
131	136	134	152	154	132	137	135	153	155
133	142	131	149	160	134	140	136	154	158
135	139	137	155	157	136	143	140	158	161
137	144	138	156	162	138	145	141	159	163
139	146	142	160	164	140	149	143	161	167
141	148	144	162	166	142	150	147	165	168
143	151	148	166	169	144	156	145	163	174
145	152	150	168	170	146	153	151	169	171
147	159	146	164	177	148	154	152	170	172
149	155	153	171	173	150	160	149	167	178
151	158	154	172	176	152	157	155	173	175
153	161	158	176	179	154	162	156	174	180
155	163	159	177	181	156	164	160	178	182
157	167	161	179	185	158	166	162	180	184
159	168	165	183	186	160	169	166	184	187
161	174	163	181	192	162	170	168	186	188
163	171	169	187	189	164	177	164	182	195
165	172	170	188	190	166	173	171	189	191
167	178	167	185	196	168	176	172	190	194
169	175	173	191	193	170	179	176	194	197
171	180	174	192	198	172	181	177	195	199
173	182	178	196	200	174	185	179	197	203
175	184	180	198	202	176	186	183	201	204
177	187	184	202	205	178	192	181	199	210
179	188	186	204	206	180	189	187	205	207
181	195	182	200	213	182	190	188	206	208
183	191	189	207	209	184	196	185	203	214
185	194	190	208	212	186	193	191	209	211
187	197	194	212	215	188	198	192	210	216
189	199	195	213	217	190	200	196	214	218
191	203	197	215	221	192	202	198	216	220
193	204	201	219	222	194	205	202	220	223
195	210	199	217	228	196	206	204	222	224
197	207	205	223	225	198	213	200	218	231
199	208	206	224	226	200	209	207	225	227
201	214	203	221	232	202	212	208	226	230
203	211	209	227	229	204	215	212	230	233
205	216	210	228	234	206	217	213	231	235
207	218	214	232	236	208	221	215	233	239
209	220	216	234	238	210	222	219	237	240
211	223	220	238	241	212	228	217	235	246
213	224	222	240	242	214	225	223	241	243

Nº-El	Nu-1	Nu-2	Nu-3	Nu-4	Nº-El	Nu-1	Nu-2	Nu-3	Nu-4
215	231	218	236	249	216	226	224	242	244
217	227	225	243	245	218	232	221	239	250
219	230	226	244	248	220	229	227	245	247
221	233	230	248	251	222	234	228	246	252
223	235	231	249	253	224	236	232	250	254
225	239	233	251	257	226	238	234	252	256
227	240	237	255	258	228	241	238	256	259
229	246	235	253	264	230	242	240	258	260
231	243	241	259	261	232	249	236	254	267
233	244	242	260	262	234	245	243	261	263
235	250	239	257	268	236	248	244	262	266
237	247	245	263	265	238	251	248	266	269
239	252	246	264	270	240	253	249	267	271
241	254	250	268	272	242	257	251	269	275
243	256	252	270	274	244	258	255	273	276
245	259	256	274	277	246	264	253	271	282
247	260	258	276	278	248	261	259	277	279
249	267	254	272	285	250	262	260	278	280
251	263	261	279	281	252	268	257	275	286
253	266	262	280	284	254	265	263	281	283
255	269	266	284	287	256	270	264	282	288
257	271	267	285	289	258	272	268	286	290
259	275	269	287	293	260	274	270	288	292
261	276	273	291	294	262	277	274	292	295
263	282	271	289	300	264	278	276	294	296
265	279	277	295	297	266	285	272	290	303
267	280	278	296	298	268	281	279	297	299
269	286	275	293	304	270	284	280	298	302
271	283	281	299	301	272	287	284	302	305
273	288	282	300	306	274	289	285	303	307
275	290	286	304	308	276	293	287	305	311
277	292	288	306	310	278	294	291	309	312
279	295	292	310	313	280	300	289	307	318
281	296	294	312	314	282	297	295	313	315
283	303	290	308	321	284	298	296	314	316
285	299	297	315	317	286	304	293	311	322
287	302	298	316	320	288	301	299	317	319
289	305	302	320	323	290	306	300	318	324
291	307	303	321	325	292	308	304	322	326
293	311	305	323	329	294	310	306	324	328
295	312	309	327	330	296	313	310	328	331
297	318	307	325	336	298	314	312	330	332
299	315	313	331	333	300	321	308	326	339
301	316	314	332	334	302	317	315	333	335
303	322	311	329	340	304	320	316	334	338
305	319	317	335	337	306	323	320	338	341
307	324	318	336	342	308	325	321	339	343
309	326	322	340	344	310	329	323	341	347
311	328	324	342	346	312	330	327	345	348
313	331	328	346	349	314	336	325	343	354
315	332	330	348	350	316	333	331	349	351
317	339	326	344	357	318	334	332	350	352
319	335	333	351	353	320	340	329	347	358
321	338	334	352	356	322	337	335	353	355

Nº-El	Nu-1	Nu-2	Nu-3	Nu-4	Nº-El	Nu-1	Nu-2	Nu-3	Nu-4
323	341	338	356	359	324	342	336	354	360
325	343	339	357	361	326	344	340	358	362
327	347	341	359	365	328	346	342	360	364
329	348	345	363	366	330	349	346	364	367
331	354	343	361	372	332	350	348	366	368
333	351	349	367	369	334	357	344	362	375
335	352	350	368	370	336	353	351	369	371
337	358	347	365	376	338	356	352	370	374
339	355	353	371	373	340	359	356	374	377
341	360	354	372	378	342	361	357	375	379
343	362	358	376	380	344	365	359	377	383
345	364	360	378	381	346	366	363	382	384
347	367	364	381	385	348	372	361	379	390
349	368	366	384	386	350	369	367	385	387
351	375	362	380	392	352	370	368	386	388
353	371	369	387	389	354	376	365	383	394
355	374	370	388	393	356	373	371	389	391
357	377	374	393	395	358	378	372	390	396
359	379	375	392	397	360	380	376	394	398
361	383	377	395	401	362	381	378	396	399
363	385	381	399	403	364	384	382	400	402
365	390	379	397	408	366	386	384	402	404
367	387	385	403	405	368	392	380	398	410
369	388	386	404	406	370	389	387	405	407
371	394	383	401	412	372	391	389	407	409
373	393	388	406	411	374	395	393	411	413
375	396	390	408	414	376	397	392	410	415
377	398	394	412	416	378	401	395	413	419
379	399	396	414	417	380	403	399	417	420
381	402	400	418	421	382	408	397	415	425
383	404	402	421	422	384	405	403	420	423
385	410	398	416	428	386	406	404	422	426
387	407	405	423	424	388	412	401	419	430
389	409	407	424	427	390	411	406	426	429
391	414	408	425	432	392	413	411	429	431
393	415	410	428	433	394	416	412	430	435
395	417	414	432	434	396	419	413	431	450
397	420	417	434	436	398	425	415	433	444
399	421	418	456	455	400	428	416	435	447
401	423	420	436	439	402	422	421	455	454
403	424	423	439	438	404	426	422	454	453
405	430	419	450	449	406	427	424	438	437
407	429	426	453	452	408	432	425	443	442
409	431	429	452	451	410	425	444	443	-
411	433	428	446	445	412	428	447	446	-
413	435	430	449	448	414	450	431	451	-
415	434	432	442	441	416	444	433	445	-
417	436	434	441	440	418	447	435	448	-
419	439	436	440	-					

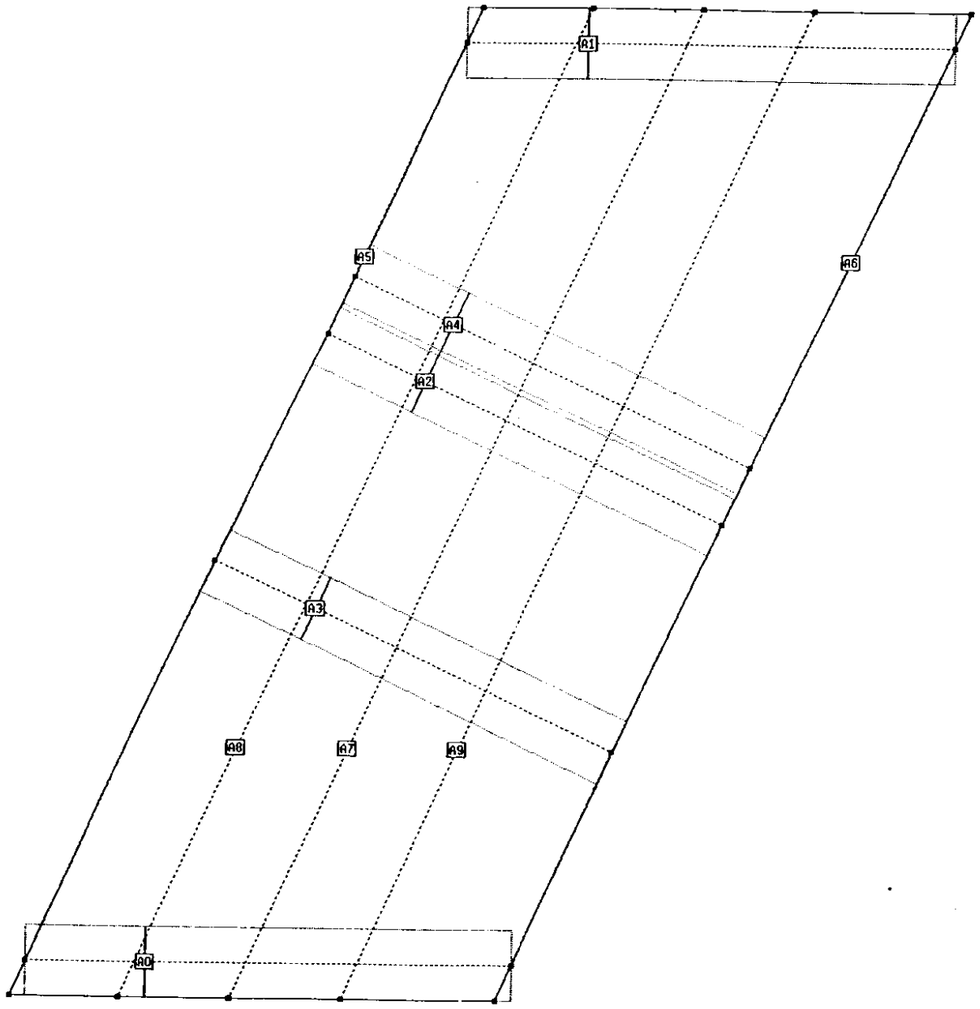
Escala 1 : 90.0
Malla (ID=F)



SECCIONES PARA LA SALIDA:

Ident	Tipo	Modo	x_ini [m]	y_ini [m]	x_fin [m]	y_fin [m]	Ancho [m]
A0	Long	activo	0.233	0.500	7.353	0.500	1.000
A1	Long	activo	6.447	13.820	13.567	13.820	1.000
A3	Long	activo	2.932	6.286	8.780	3.559	1.000
A2	Long	activo	4.487	9.618	10.335	6.892	1.000
A4	Long	activo	4.875	10.450	10.723	7.723	1.000
A5	Trans	activo	6.680	14.320	0.000	0.000	
A6	Trans	activo	13.800	14.320	7.120	0.000	
A7	Trans	activo	3.225	0.000	9.902	14.320	
A8	Trans	activo	1.612	0.000	8.290	14.320	
A9	Trans	activo	4.838	0.000	11.515	14.320	

Escala 1 : 90.0
Secciones
- Secciones para esfuerzos./Arm. perp. al eje
- Secciones para esfuerzos/Arm. en dir. del eje
  Integrado sobre el ancho



LISTA TODAS HIPOTESIS

Nº	Tipo	Título
1	Hip.	'Peso propio'
2	Hip.	'Carga muerta'
3	Hip.	'Tren A'
4	Hip.	'Tren B'
5	Hip.	'UIC71 y UIC71'
6	Hip.	'SW2 y UIC71'
7	Hip.	'Gradiente térmico'

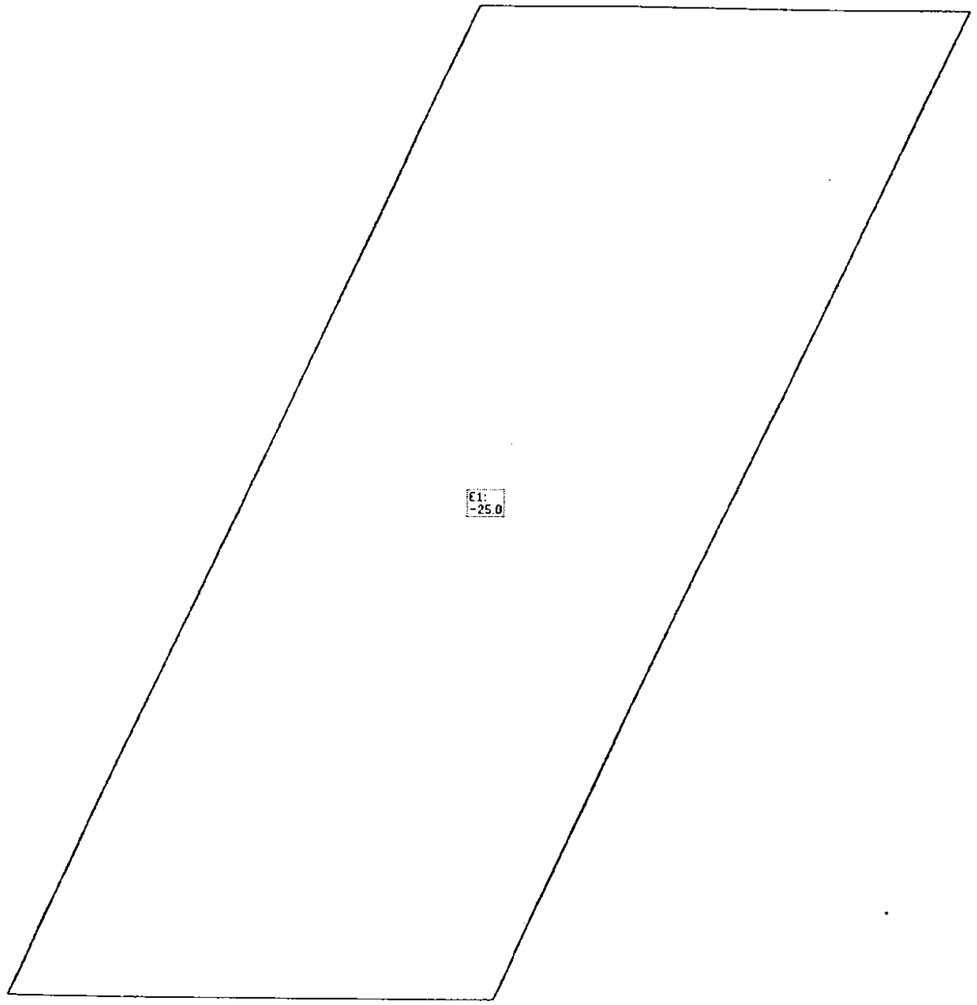
HIPOTESIS 1: "Peso propio"

CARGAS DISTRIB:

ID	Tipo	Dim.	Valor	Nº Ptos.	Lsuma [kN]
E1	Peso propio	kN/m3	-25.00	4	-1529.38
				Suma	-1529.38

Suma carg [kN] Hipótesis 1: -1529.38

Escala 1 : 90.0
Hipótesis 001: "Peso propio" (Suma cargas= -1529.38 kN) (Suma cargas= -1529.38 kN)
- Valores cargas dist.: E=Peso propio [kN/m3]
V=Carga distribuida [kN/m2], K=Curvatura [m-1]



HIPOTESIS 2: "Carga muerta"

CARGA lineal:

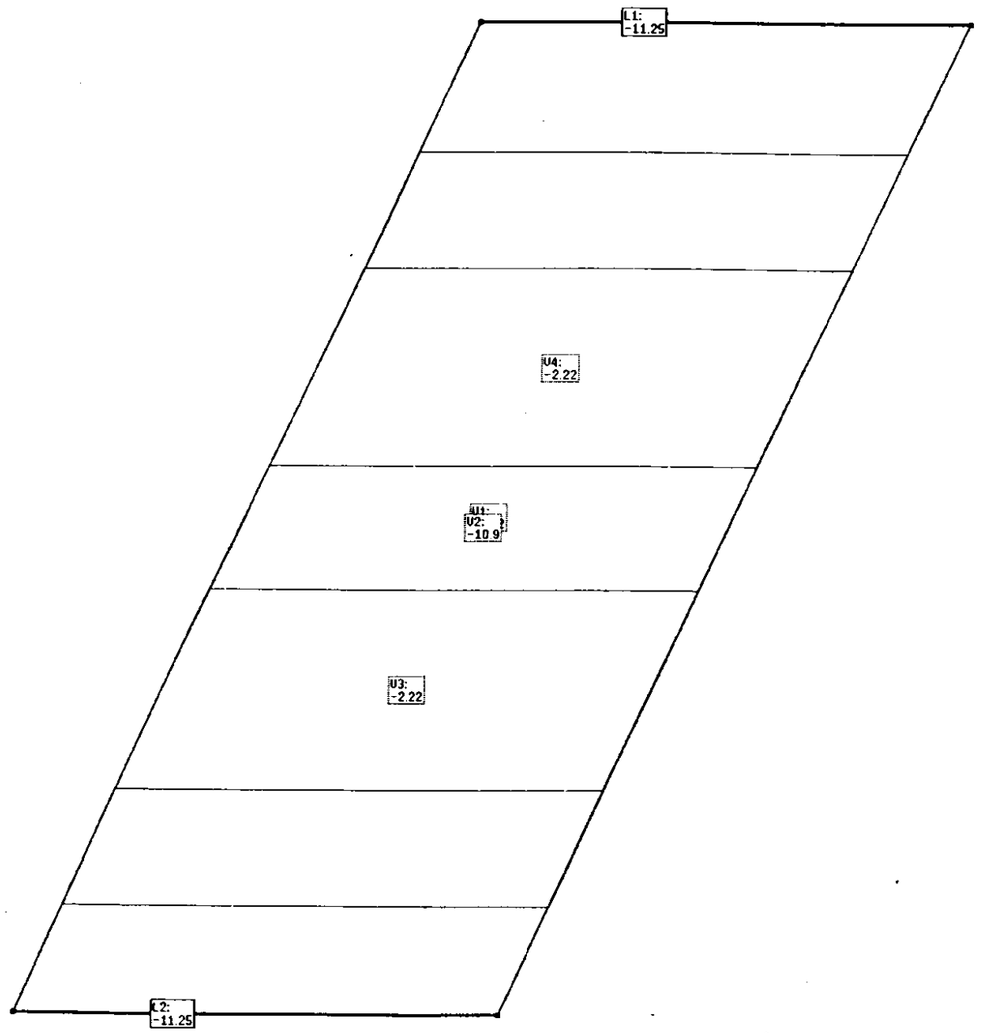
ID	Sitio	carga [kN/m]	Mom [kNm/m]	X [m]	Y [m]	Lsuma [kN]
L1	: Inicio	-11.25	-	6.680	14.320	-80.10
	Fin	-11.25	-	13.800	14.320	
L2	: Inicio	-11.25	-	0.000	0.000	-80.10
	Fin	-11.25	-	7.120	0.000	
					Suma	-160.20

CARGAS DISTRIB:

ID	Tipo	Dim.	Valor	Nº Ptos.	Lsuma [kN]
V1	dist.	kN/m2	-1.72	4	-175.37
V2	dist.	kN/m2	-10.92	4	-848.91
V3	dist.	kN/m2	-2.22	4	-45.67
V4	dist.	kN/m2	-2.22	4	-45.65
				Suma	-1115.60

Suma carg [kN] Hipótesis 2: -1275.80

Escala 1 : 90.0
Hipótesis 002: "Carga muerta" (Suma cargas= -1275.80 kN)
- Valores cargas dist.: E=Peso propio [kN/m3]
  V=Carga distribuida [kN/m2], K=Curvatura [m-1]
- Cargas linealse
  Valores p: distr.linealmente [kN/m]



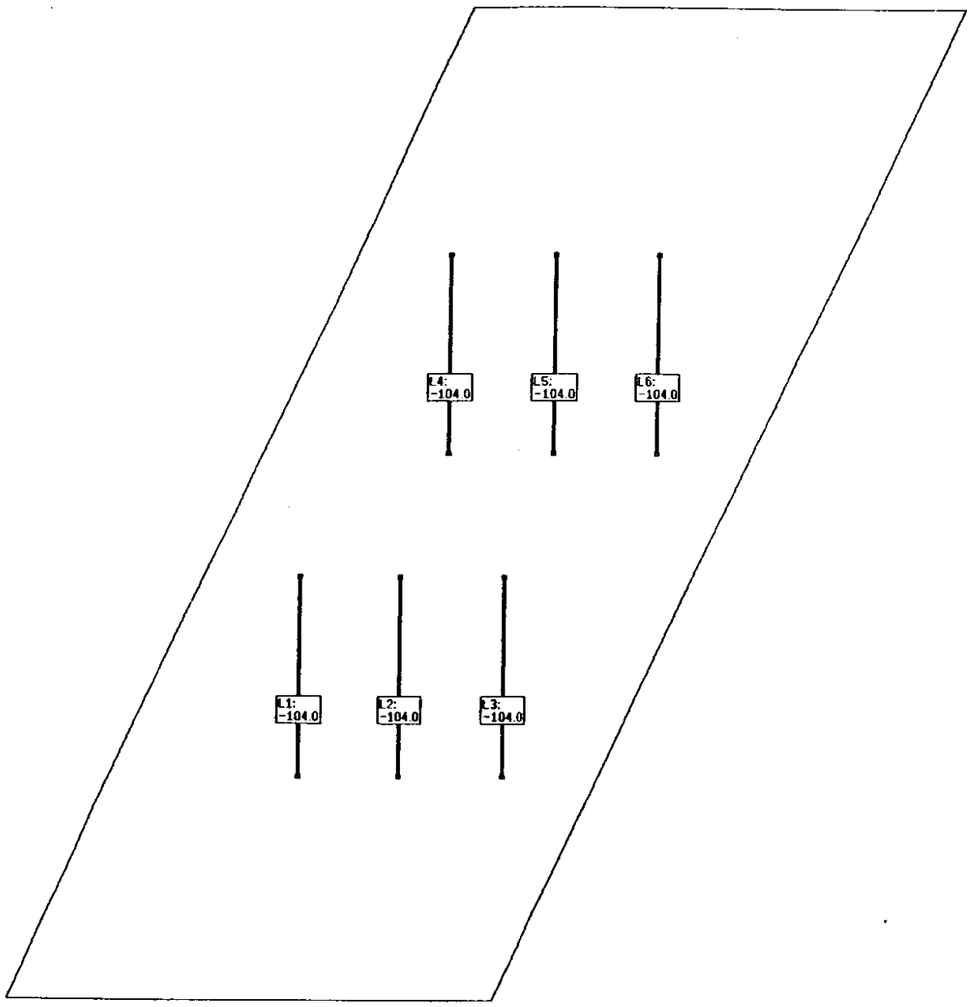
HIPOTESIS 3: "Tren A"

CARGA líneal:

ID	Sitio	carga [kN/m]	Mom [kNm/m]	X [m]	Y [m]	Lsuma [kN]
L1	: Inicio	-103.99	-	4.230	3.200	-300.53
	Fin	-103.99	-	4.230	6.090	
L2	: Inicio	-103.99	-	5.730	3.200	-300.53
	Fin	-103.99	-	5.730	6.090	
L3	: Inicio	-103.99	-	7.230	3.200	-300.53
	Fin	-103.99	-	7.230	6.090	
L4	: Inicio	-103.99	-	6.420	7.900	-300.53
	Fin	-103.99	-	6.420	10.790	
L5	: Inicio	-103.99	-	7.920	7.900	-300.53
	Fin	-103.99	-	7.920	10.790	
L6	: Inicio	-103.99	-	9.420	7.900	-300.53
	Fin	-103.99	-	9.420	10.790	
					Suma	-1803.19

Suma carg [kN] Hipótesis 3: -1803.19

Escala 1 : 90.0
Hipótesis 003: "Tren A" (Suma cargas= -1803.19 kN) (Suma cargas= -1803.19 kN)
- Cargas linealse
  Valores p: distr.linealmente [kN/m]



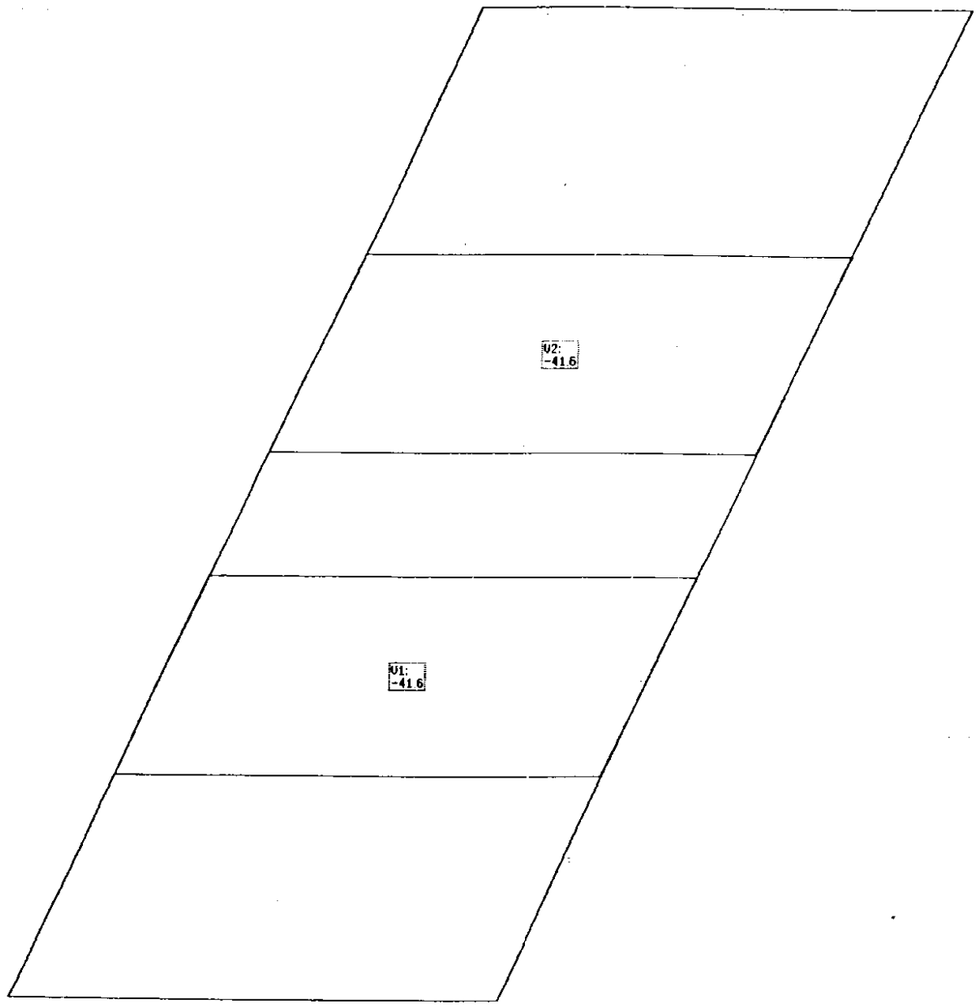
HIPOTESIS 4: "Tren B"

CARGAS DISTRIB:

ID	Tipo	Dim.	Valor	Nº Ptos.	Lsuma [kN]
V1	dist.	kN/m2	-41.59	4	-855.57
V2	dist.	kN/m2	-41.59	4	-855.28
				Suma	-1710.85

Suma carg [kN] Hipótesis 4: -1710.85

Escala 1 : 90.0
Hipótesis 004: "Tren B" (Suma cargas= -1710.85 kN) (Suma cargas= -1710.85 kN)
- Valores cargas dist.: E=Peso propio [kN/m3]
  V=Carga distribuida [kN/m2], K=Curvatura [m-1]



HIPOTESIS 5: "UIC71 y UIC71"

CARGA lineal:

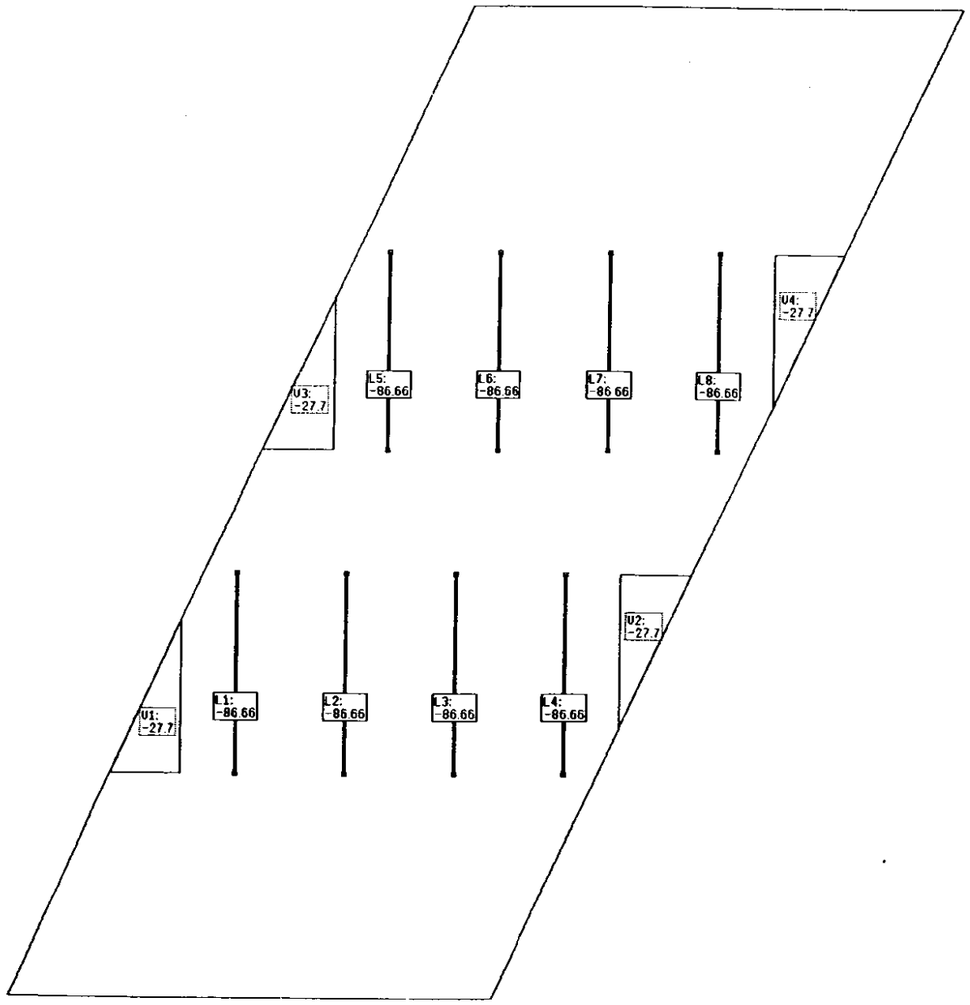
ID	Sitio	carga [kN/m]	Mom [kNm/m]	X [m]	Y [m]	Lsuma [kN]
L1	: Inicio	-86.66	-	3.330	3.200	-250.45
	Fin	-86.66	-	3.330	6.090	
L2	: Inicio	-86.66	-	4.930	3.200	-250.45
	Fin	-86.66	-	4.930	6.090	
L3	: Inicio	-86.66	-	6.530	3.200	-250.45
	Fin	-86.66	-	6.530	6.090	
L4	: Inicio	-86.66	-	8.130	3.200	-250.45
	Fin	-86.66	-	8.130	6.090	
L5	: Inicio	-86.66	-	5.520	7.900	-250.45
	Fin	-86.66	-	5.520	10.790	
L6	: Inicio	-86.66	-	7.120	7.900	-250.45
	Fin	-86.66	-	7.120	10.790	
L7	: Inicio	-86.66	-	8.720	7.900	-250.45
	Fin	-86.66	-	8.720	10.790	
L8	: Inicio	-86.66	-	10.320	7.900	-250.45
	Fin	-86.66	-	10.320	10.790	
					Suma	-2003.58

CARGAS DISTRIB:

ID	Tipo	Dim.	Valor	Nº Ptos.	Lsuma [kN]
V1	dist.	kN/m2	-27.73	3	-31.56
V2	dist.	kN/m2	-27.73	3	-31.59
V3	dist.	kN/m2	-27.73	3	-31.56
V4	dist.	kN/m2	-27.73	3	-31.72
				Suma	-126.42

Suma carg [kN] Hipótesis 5: -2130.00

Escala 1 : 90.0
Hipótesis 005: "UIC71 y UIC71" (Suma cargas= -2130.00 kN) (Suma cargas= -2130.00 kN)
- Valores cargas dist.: E=Peso propio [kN/m3]
  V=Carga distribuida [kN/m2], K=Curvatura [m-1]
- Cargas linealse
  Valores p: distr.linealmente [kN/m]



HIPOTESIS 6: "SW2 y UIC71"
==========

CARGA lineal:

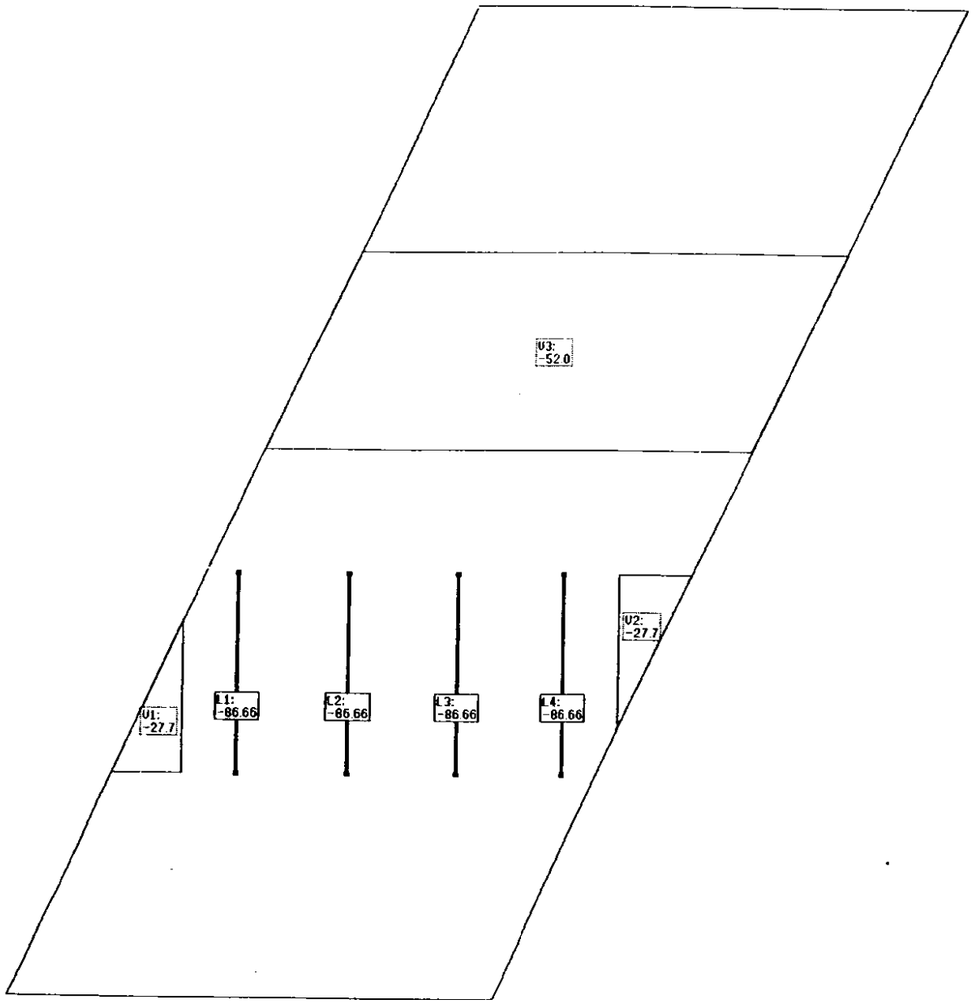
ID	Sitio	carga [kN/m]	Mom [kNm/m]	X [m]	Y [m]	Lsuma [kN]
L1	: Inicio	-86.66	-	3.320	3.200	-250.45
	Fin	-86.66	-	3.320	6.090	
L2	: Inicio	-86.66	-	4.920	3.200	-250.45
	Fin	-86.66	-	4.920	6.090	
L3	: Inicio	-86.66	-	6.520	3.200	-250.45
	Fin	-86.66	-	6.520	6.090	
L4	: Inicio	-86.66	-	8.120	3.200	-250.45
	Fin	-86.66	-	8.120	6.090	
					Suma	-1001.79

CARGAS DISTRIB:

ID	Tipo	Dim.	Valor	Nº Ptos.	Lsuma [kN]
V1	dist.	kN/m2	-27.73	3	-31.37
V2	dist.	kN/m2	-27.73	4	-32.09
V3	dist.	kN/m2	-51.99	4	-1069.15
				Suma	-1132.60

Suma carg [kN] Hipótesis 6: -2134.39
==========

Escala 1 : 90.0
Hipótesis 006: "SW2 y UIC71" (Suma cargas= -2134.39 kN) (Suma cargas= -2134.39 kN)
- Valores cargas dist.: E=Peso propio [kN/m3]
  V=Carga distribuida [kN/m2], K=Curvatura [m-1]
- Cargas linealse
  Valores p: distr.linealmente [kN/m]

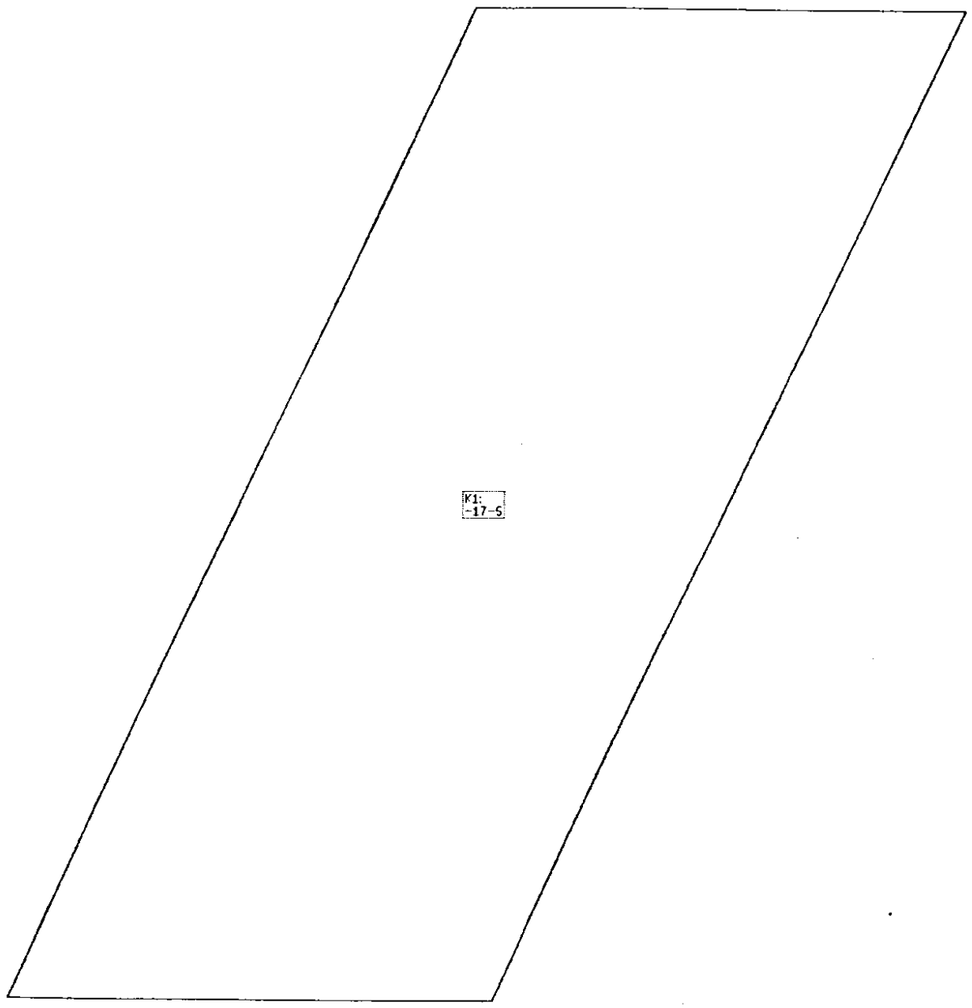


HIPOTESIS 7: "Gradiente térmico"

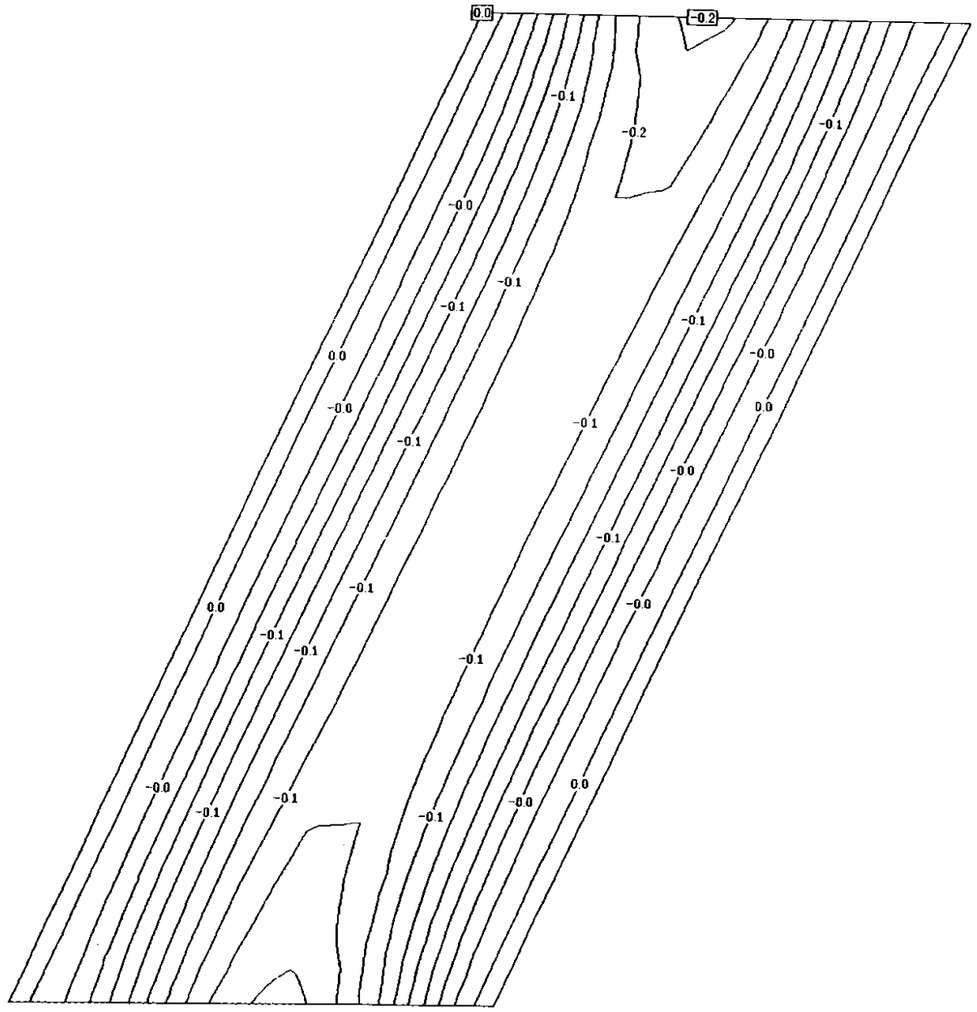
CARGAS DISTRIB:

ID	Tipo	Dim.	Valor	Nº Ptos.	Lsuma [kN]
K1	giro	m-1	-0.00017	3	

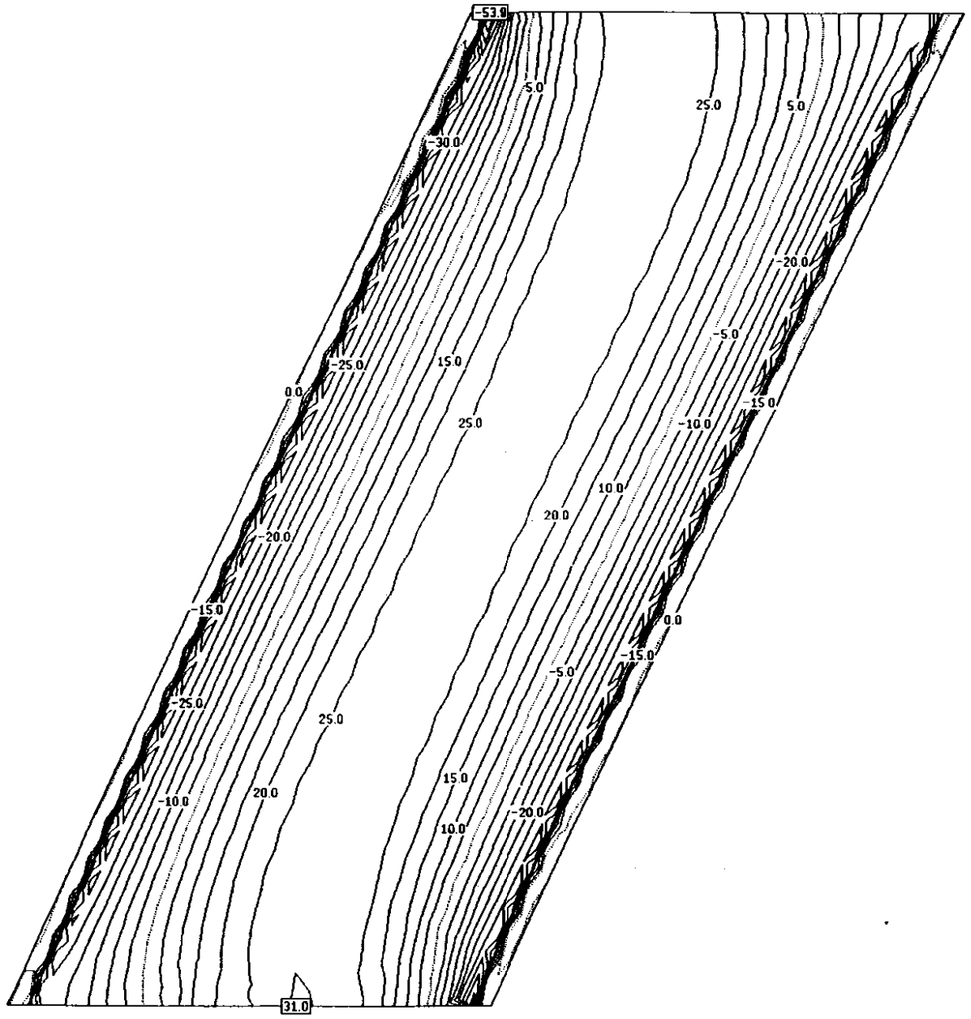
Escala 1 : 90.0
Hipótesis 007: "Gradiente térmico"
- Valores cargas dist.: E=Peso propio [kN/m3]
V=Carga distribuida [kN/m2], K=Curvatura [m-1]



Escala 1 : 90.0
DESPLAZAMIENTOS [mm] "Peso propio" (F03)
Hipótesis 1
- Deformaciones DZ, Equidist= 0.020 [mm]



Escala 1 : 90.0
Momentos placa [kNm/m] "Peso propio" (F03)
Hipótesis 1
- Momentos MX [kNm/m] ,Dir-X= -25.00 Grados



Momentos: Sección "A4" Sección long., ancho 1.00
"Peso propio" (F03)
Cordenadas de la sección: 4.87, 10.45.. 10.72, 7.72

Distancia [m]	Mom [kNm]
-0.00	0.0
0.14	-0.1
0.27	-18.5
0.52	-26.1
0.76	-16.6
1.01	-8.0
1.26	-0.5
1.50	6.7
1.75	12.4
2.00	17.3
2.24	22.0
2.49	24.6
2.73	27.0
2.98	28.5
3.23	28.6
3.47	28.5
3.72	26.9
3.96	24.5
4.21	21.9
4.46	17.2
4.70	12.3
4.95	6.6
5.20	-0.6
5.44	-8.0
5.69	-16.6
5.93	-26.1
6.18	-18.5
6.32	-0.1
6.45	-0.0

Escala 1 : 42.1
Sec. long. "A4" B= 1.00m : 4.87 10.45.. 10.72 7.72
Momentos placa: [kNm] "Peso propio" (F03)
Hipótesis 1
Fac. de amp.: 0.02000

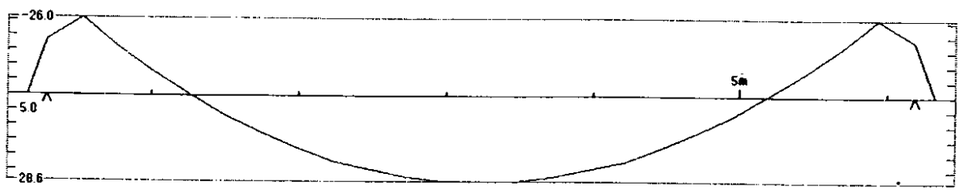


Momentos: Sección "A2" Sección long., ancho 1.00
"Peso propio" (F03)
Cordenadas de la sección: 4.49, 9.62.. 10.33, 6.89

Distancia [m]	Mom [kNm]
-0.00	0.0
0.14	-0.1

0.27	-18.5
0.52	-26.0
0.76	-16.5
1.01	-7.9
1.26	-0.5
1.50	6.7
1.75	12.4
2.00	17.3
2.24	21.9
2.49	24.6
2.73	26.9
2.98	28.5
3.23	28.6
3.47	28.5
3.72	26.9
3.96	24.5
4.21	21.9
4.46	17.3
4.70	12.4
4.95	6.7
5.20	-0.5
5.44	-8.0
5.69	-16.5
5.93	-26.0
6.18	-18.5
6.32	-0.1
6.45	-0.0

Escala 1 : 42.1
Sec. long. "A2" B= 1.00m : 4.49 9.62.. 10.33 6.89
Momentos placa: [kNm] "Peso propio" (F03)
Hipótesis 1
Fac. de amp.: 0.02000

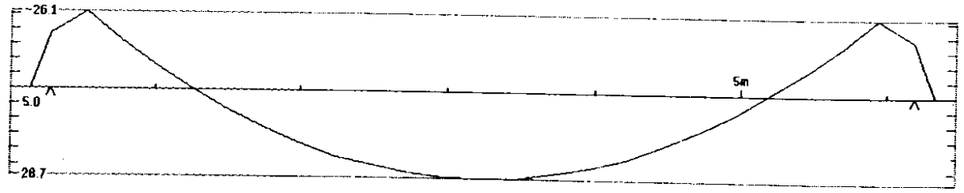


Momentos: Sección "A3" Sección long., ancho 1.00
"Peso propio" (F03)
Cordenadas de la sección: 2.93, 6.29.. 8.78, 3.56

Distancia [m]	Mom [kNm]
0.00	-0.0
0.14	-0.1
0.27	-18.5

0.52	-26.0
0.76	-16.6
1.01	-8.0
1.26	-0.5
1.50	6.6
1.75	12.4
2.00	17.3
2.24	21.9
2.49	24.6
2.73	27.0
2.98	28.5
3.23	28.7
3.47	28.6
3.72	27.0
3.96	24.6
4.21	22.0
4.46	17.4
4.70	12.4
4.95	6.7
5.20	-0.5
5.44	-8.0
5.69	-16.6
5.93	-26.1
6.18	-18.5
6.32	-0.1
6.45	0.0

Escala 1 : 42.1
Sec. long. "A3" B= 1.00m : 2.93 6.29.. 8.78 3.56
Momentos placa: [kNm] "Peso propio" (F03)
Hipótesis 1
Fac. de amp.: 0.02000

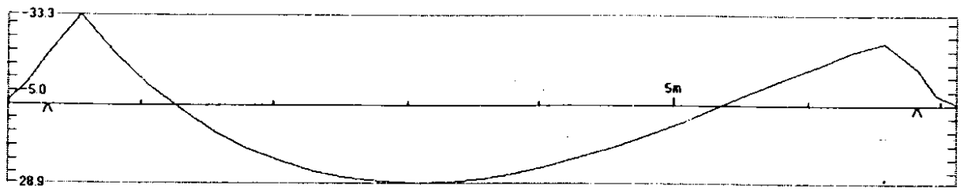


Momentos: Sección "A1" Sección long., ancho 1.00
"Peso propio" (F03)
Cordenadas de la sección: 6.45, 13.82.. 13.57, 13.82

Distancia [m]	Mom [kNm]
-0.00	-1.0
0.15	-8.3
0.30	-18.4
0.55	-33.3

0.80	-19.3
1.05	-7.5
1.30	1.7
1.55	9.9
1.80	16.4
2.06	20.6
2.31	24.3
2.56	26.9
2.81	28.2
3.06	28.9
3.31	28.6
3.56	27.1
3.81	25.4
4.06	22.4
4.31	19.1
4.56	15.3
4.81	10.9
5.06	6.2
5.32	1.0
5.57	-4.5
5.82	-9.7
6.07	-14.5
6.32	-19.6
6.57	-23.2
6.82	-13.6
6.97	-3.9
7.12	-0.5

Escala 1 : 46.4
Sec. long. "A1" B= 1.00m : 6.45 13.82.. 13.57 13.82
Momentos placa: [kNm] "Peso propio" (F03)
Hipótesis 1
Fac. de amp.: 0.02000

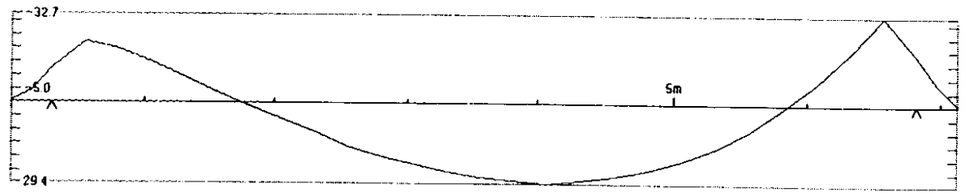


Momentos: Sección "A0" Sección long., ancho 1.00
"Peso propio" (F03)
Cordenadas de la sección: 0.23, 0.50.. 7.35, 0.50

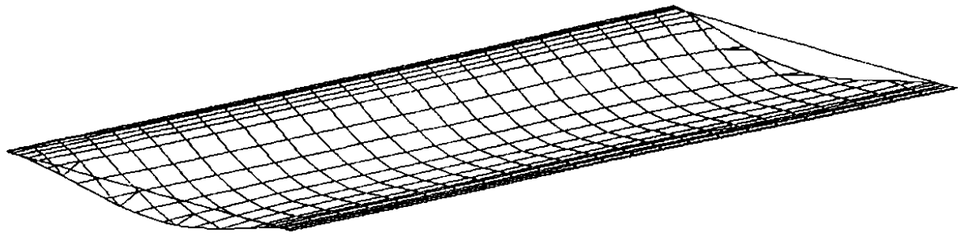
Distancia [m]	Mom [kNm]
0.00	-0.5
0.15	-4.5
0.30	-12.8

0.55	-22.6
0.80	-19.8
1.05	-14.8
1.30	-9.5
1.55	-4.2
1.80	1.1
2.06	6.0
2.31	10.6
2.56	15.9
2.81	19.4
3.06	22.5
3.31	25.1
3.56	26.9
3.81	28.2
4.06	29.4
4.31	28.2
4.56	26.7
4.81	24.3
5.06	20.8
5.32	16.0
5.57	9.4
5.82	1.2
6.07	-8.0
6.32	-19.4
6.57	-32.7
6.82	-18.7
6.97	-8.5
7.12	-0.9

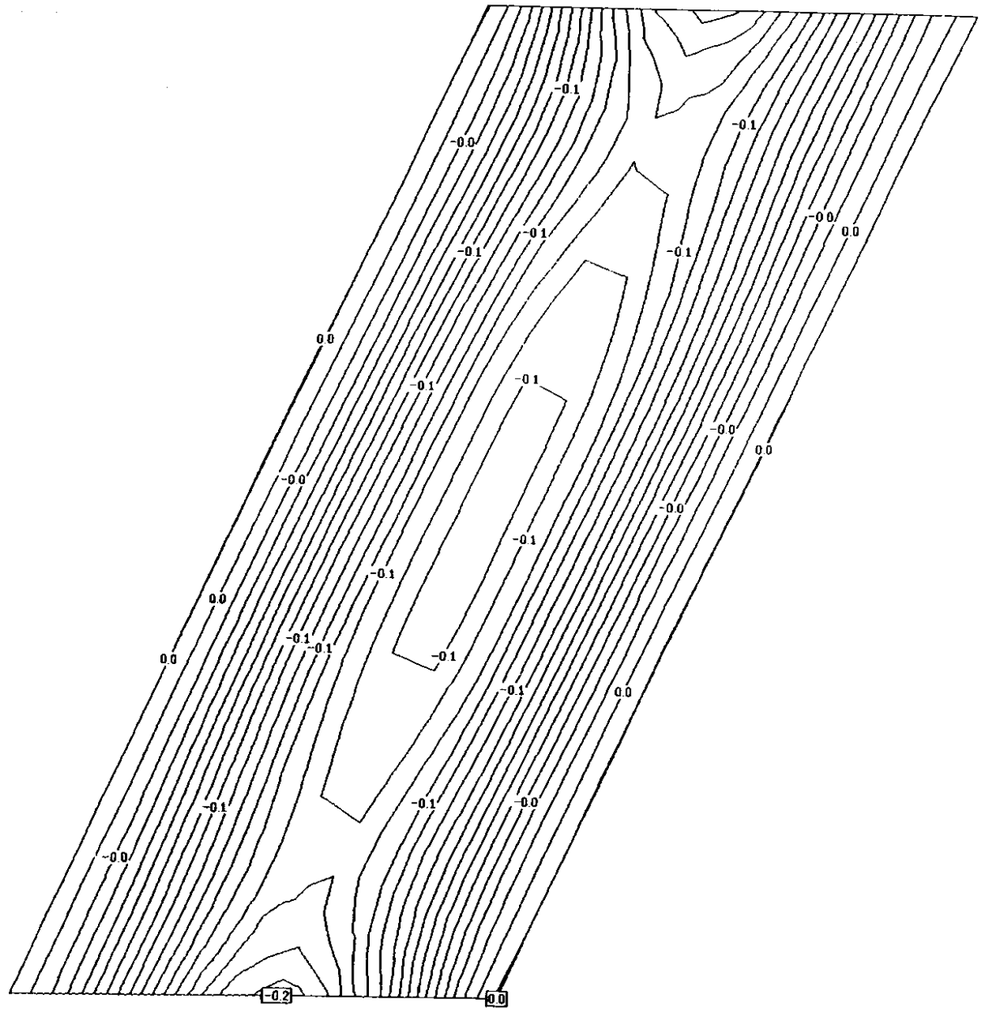
Escala 1 : 46.4
Sec. long. "A0" B= 1.00m : 0.23 0.50.. 7.35 0.50
Momentos placa: [kNm] "Peso propio" (F03)
Hipótesis 1
Fac. de amp.: 0.02000



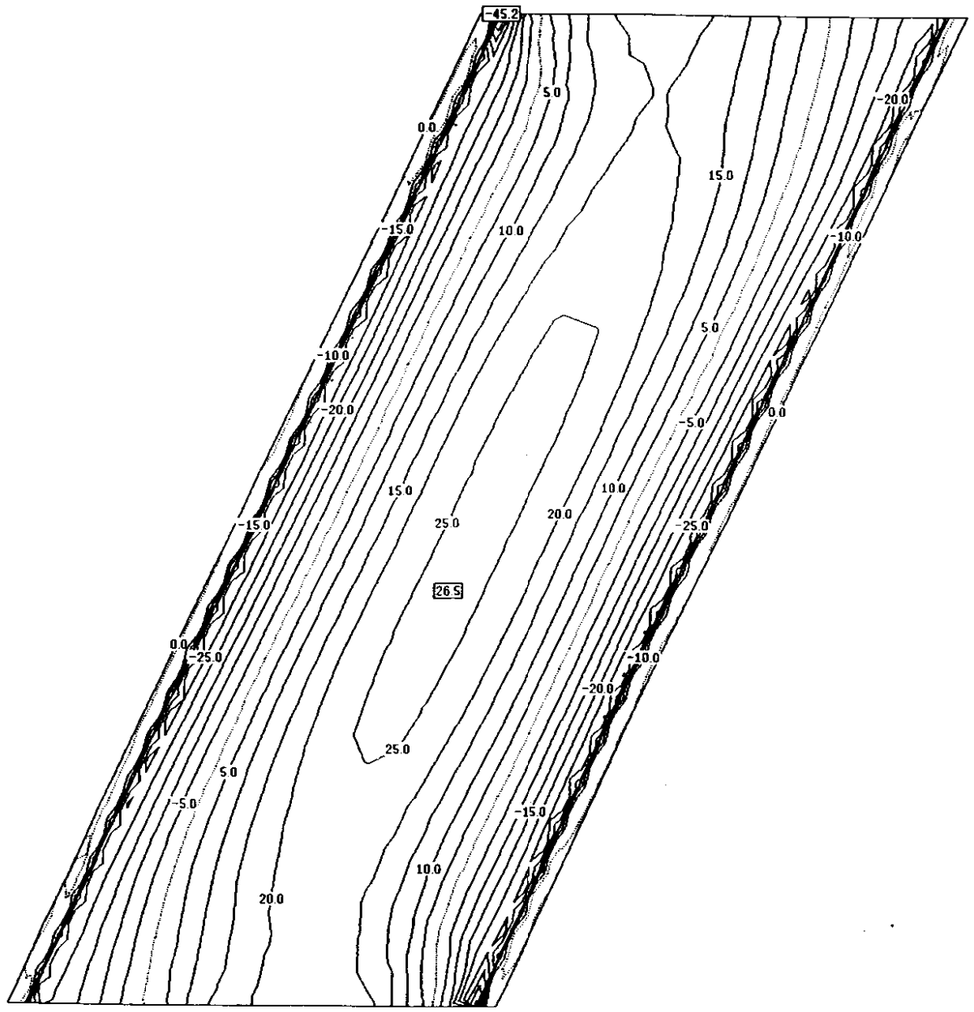
Escala 1 : 127.2
DESPLAZAMIENTOS "Peso propio" (F03)
Hipótesis 1
- Pos. deformada, ampliación= 3136.0, xp=-0.7 yp=1.0 zp=-0.5
- Planta sin deformaciones



Escala 1 : 90.0
DESPLAZAMIENTOS [mm] "Carga muerta" (F03)
Hipótesis 2
- Deformaciones DZ, Equidist= 0.010 [mm]



Escala 1 : 90.0
Momentos placa [kNm/m] "Carga muerta" (F03)
Hipótesis 2
- Momentos MX [kNm/m] ,Dir-X= -25.00 Grados

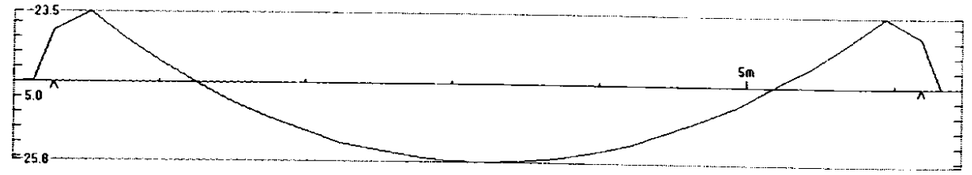


Momentos: Sección "A4" Sección long., ancho 1.00
"Carga muerta" (F03)
Cordenadas de la sección: 4.87, 10.45.. 10.72, 7.72

Distancia [m]	Mom [kNm]
-0.00	0.0

0.14	-0.2
0.27	-17.0
0.52	-23.5
0.76	-14.7
1.01	-6.9
1.26	-0.2
1.50	6.3
1.75	11.4
2.00	15.8
2.24	19.9
2.49	22.2
2.73	24.4
2.98	25.8
3.23	25.8
3.47	25.8
3.72	24.4
3.96	22.3
4.21	20.0
4.46	15.8
4.70	11.4
4.95	6.3
5.20	-0.2
5.44	-7.0
5.69	-14.8
5.93	-23.5
6.18	-16.9
6.32	-0.2
6.45	0.1

Escala 1 : 42.1
Sec. long. "A4" B= 1.00m : 4.87 10.45.. 10.72 7.72
Momentos placa: [kNm] "Carga muerta" (F03)
Hipótesis 2
Fac. de amp.: 0.02000

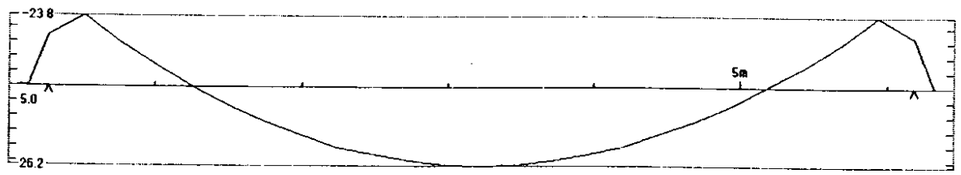


Momentos: Sección "A2" Sección long., ancho 1.00
"Carga muerta" (F03)
Cordenadas de la sección: 4.49, 9.62.. 10.33, 6.89

Distancia [m]	Mom [kNm]
-0.00	0.0
0.14	-0.2
0.27	-17.2

0.52	-23.8
0.76	-14.9
1.01	-7.0
1.26	-0.1
1.50	6.4
1.75	11.7
2.00	16.1
2.24	20.3
2.49	22.6
2.73	24.8
2.98	26.1
3.23	26.2
3.47	26.1
3.72	24.6
3.96	22.5
4.21	20.0
4.46	15.8
4.70	11.3
4.95	6.1
5.20	-0.4
5.44	-7.2
5.69	-15.1
5.93	-23.8
6.18	-16.8
6.32	-0.1
6.45	0.0

Escala 1 : 42.1
Sec. long. "A2" B= 1.00m : 4.49 9.62.. 10.33 6.89
Momentos placa: [kNm] "Carga muerta" (F03)
Hipótesis 2
Fac. de amp.: 0.02000

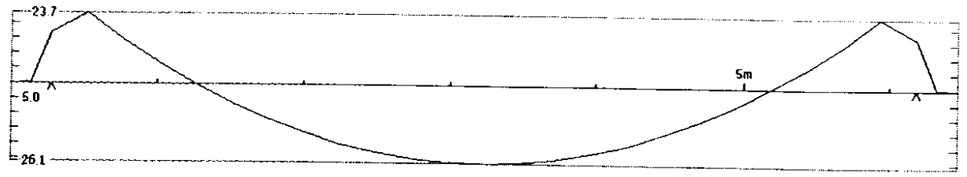


Momentos: Sección "A3" Sección long., ancho 1.00
"Carga muerta" (F03)
Cordenadas de la sección: 2.93, 6.29.. 8.78, 3.56

Distancia [m]	Mom [kNm]
0.00	0.0
0.14	-0.2
0.27	-17.0
0.52	-23.7

0.76	-14.9
1.01	-7.0
1.26	-0.3
1.50	6.3
1.75	11.5
2.00	15.9
2.24	20.1
2.49	22.5
2.73	24.6
2.98	26.0
3.23	26.1
3.47	26.0
3.72	24.6
3.96	22.4
4.21	20.1
4.46	15.9
4.70	11.5
4.95	6.3
5.20	-0.2
5.44	-7.0
5.69	-14.9
5.93	-23.7
6.18	-17.1
6.32	-0.2
6.45	0.0

Escala 1 : 42.1
Sec. long. "A3" B= 1.00m : 2.93 6.29.. 8.78 3.56
Momentos placa: [kNm] "Carga muerta" (F03)
Hipótesis 2
Fac. de amp.: 0.02000

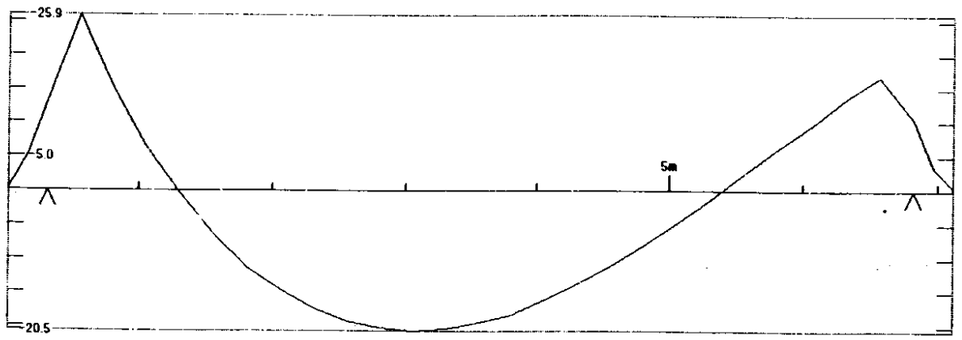


Momentos: Sección "A1" Sección long., ancho 1.00
"Carga muerta" (F03)
Cordenadas de la sección: 6.45, 13.82.. 13.57, 13.82

Distancia [m]	Mom [kNm]
-0.00	-0.4
0.15	-5.3
0.30	-13.1
0.55	-25.9
0.80	-15.2

1.05	-6.4
1.30	0.4
1.55	6.5
1.80	11.3
2.06	14.5
2.31	17.3
2.56	19.1
2.81	20.0
3.06	20.5
3.31	20.2
3.56	19.3
3.81	18.2
4.06	16.1
4.31	13.7
4.56	11.0
4.81	8.0
5.06	4.7
5.32	1.2
5.57	-2.6
5.82	-6.2
6.07	-9.7
6.32	-13.7
6.57	-16.9
6.82	-10.6
6.97	-3.4
7.12	-0.5

Escala 1 : 46.4
Sec. long. "A1" B= 1.00m : 6.45 13.82.. 13.57 13.82
Momentos placa: [kNm] "Carga muerta" (F03)
Hipótesis 2
Fac. de amp.: 0.05000

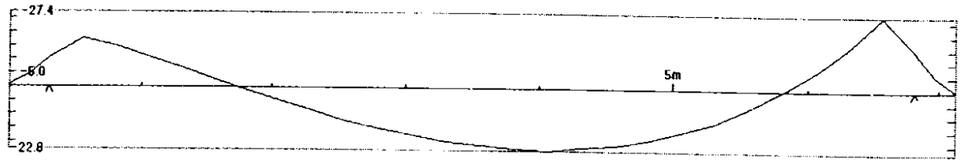


Momentos: Sección "A0" Sección long., ancho 1.00
"Carga muerta" (F03)
Cordenadas de la sección: 0.23, 0.50.. 7.35, 0.50

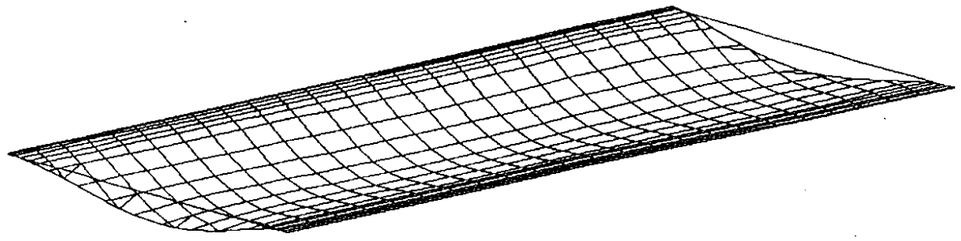
Distancia	Mom

[m]	[kNm]
0.00	-0.6
0.15	-4.1
0.30	-10.6
0.55	-17.7
0.80	-15.1
1.05	-11.1
1.30	-6.9
1.55	-2.8
1.80	1.3
2.06	4.9
2.31	8.5
2.56	12.4
2.81	15.1
3.06	17.5
3.31	19.6
3.56	21.0
3.81	22.1
4.06	22.8
4.31	21.8
4.56	20.7
4.81	18.9
5.06	16.0
5.32	12.1
5.57	6.7
5.82	0.0
6.07	-7.3
6.32	-16.5
6.57	-27.4
6.82	-14.7
6.97	-6.0
7.12	-0.4

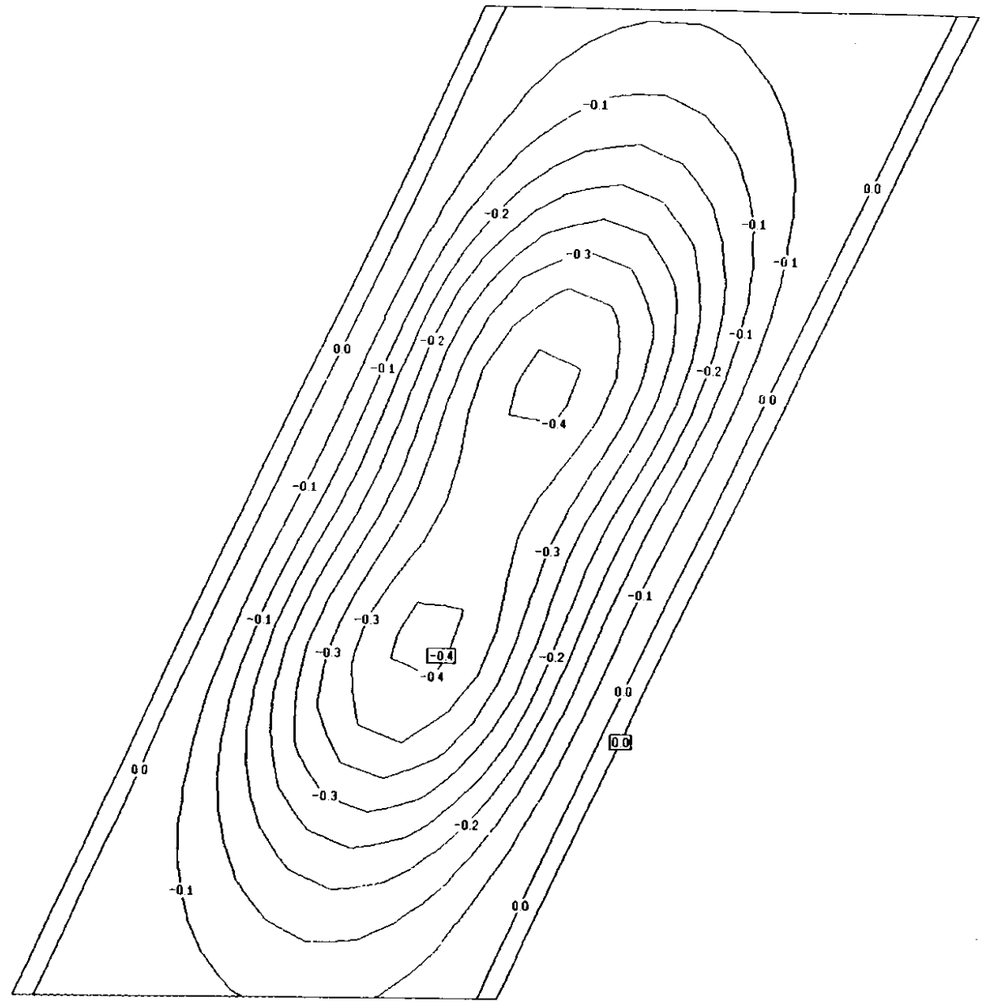
Escala 1 : 46.4
Sec. long. "A0" B= 1.00m : 0.23 0.50.. 7.35 0.50
Momentos placa: [kNm] "Carga muerta" (F03)
Hipótesis 2
Fac. de amp.: 0.02000



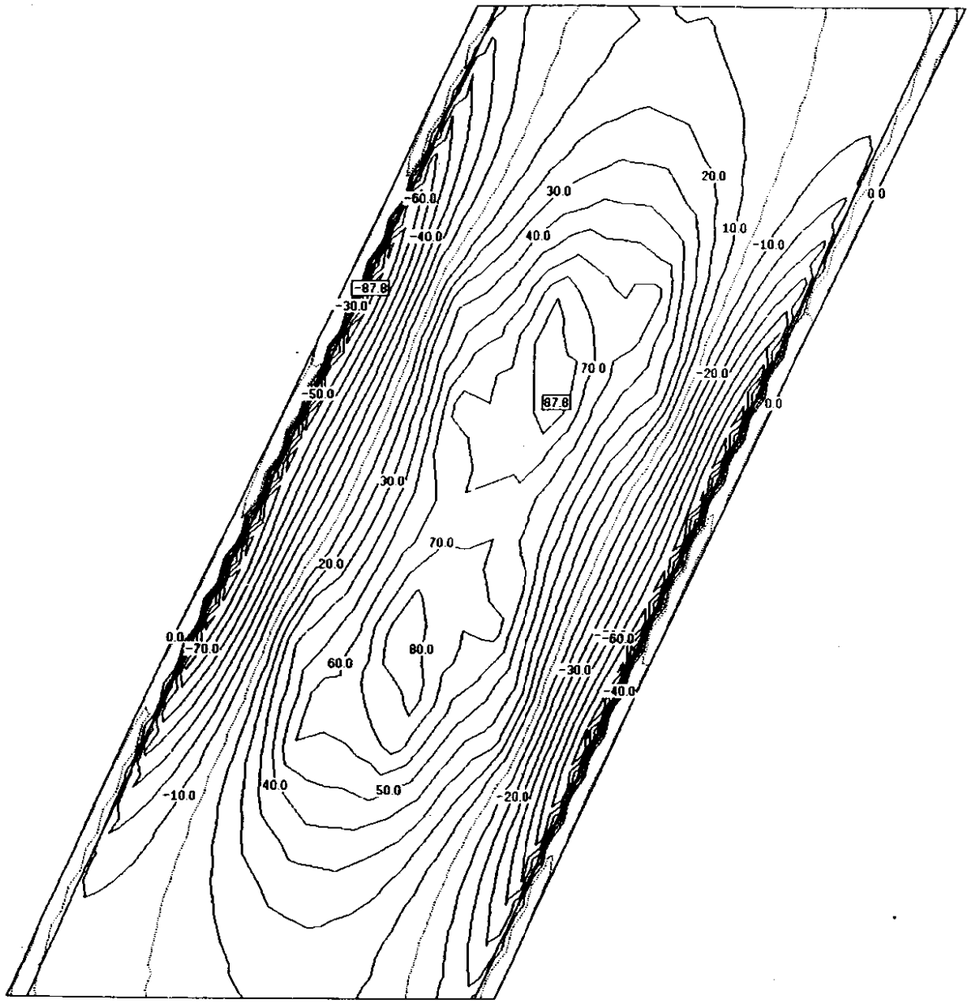
Escala 1 : 127.2
DESPLAZAMIENTOS "Carga muerta" (F03)
Hipótesis 2
- Pos. deformada, ampliación= 3803.9, xp=-0.7 yp=1.0 zp=-0.5
- Planta sin deformaciones



Escala 1 : 90.0
DESPLAZAMIENTOS [mm] "Tren A" (F03)
Hipótesis 3
- Deformaciones DZ, Equidist= 0.050 [mm]



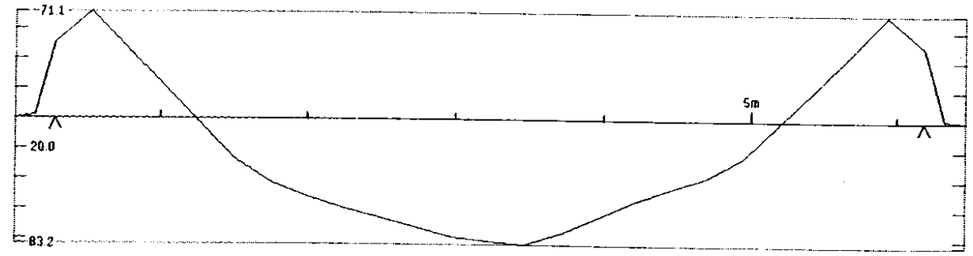
Escala 1 : 90.0
Momentos placa [kNm/m] "Tren A" (F03)
Hipótesis 3
- Momentos MX [kNm/m] ,Dir-X= -25.00 Grados



Momentos: Sección "A4" Sección long., ancho 1.00
"Tren A" (F03)
Cordenadas de la sección: 4.87, 10.45.. 10.72, 7.72

Distancia [m]	Mom [kNm]
-0.00	0.3
0.14	-1.8
0.27	-50.3
0.52	-71.1
0.76	-47.0
1.01	-22.9
1.26	1.9
1.50	26.8
1.75	42.0
2.00	51.2
2.24	59.6
2.49	65.3
2.73	72.2
2.98	78.8
3.23	81.6
3.47	83.2
3.72	75.7
3.96	64.6
4.21	54.6
4.46	45.9
4.70	37.6
4.95	24.6
5.20	1.8
5.44	-21.7
5.69	-46.1
5.93	-70.2
6.18	-49.6
6.32	-1.6
6.45	0.3

Escala 1 : 42.1
Sec. long. "A4" B= 1.00m : 4.87 10.45.. 10.72 7.72
Momentos placa: [kNm] "Tren A" (F03)
Hipótesis 3
Fac. de amp.: 0.01000

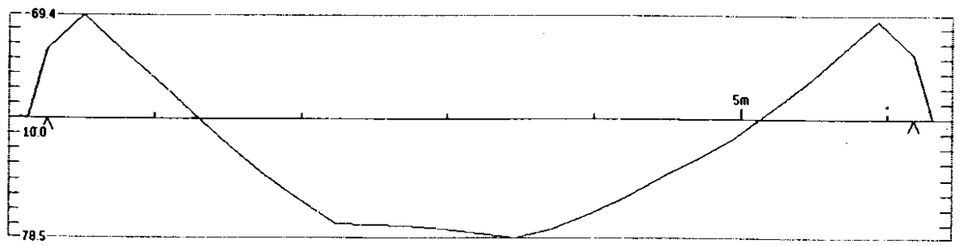


Momentos: Sección "A2" Sección long., ancho 1.00
"Tren A" (F03)
Cordenadas de la sección: 4.49, 9.62.. 10.33, 6.89

Distancia [m]	Mom [kNm]

-0.00	0.0
0.14	-0.7
0.27	-46.5
0.52	-69.4
0.76	-47.5
1.01	-25.8
1.26	-4.3
1.50	17.8
1.75	37.3
2.00	54.1
2.24	69.3
2.49	70.2
2.73	71.3
2.98	73.3
3.23	75.8
3.47	78.5
3.72	73.1
3.96	62.9
4.21	52.2
4.46	39.0
4.70	26.5
4.95	12.6
5.20	-5.4
5.44	-23.9
5.69	-44.9
5.93	-66.0
6.18	-43.3
6.32	-0.0
6.45	-0.1

Escala 1 : 42.1
Sec. long. "A2" B= 1.00m : 4.49 9.62.. 10.33 6.89
Momentos placa: [kNm] "Tren A" (F03)
Hipótesis 3
fac. de amp.: 0.01000

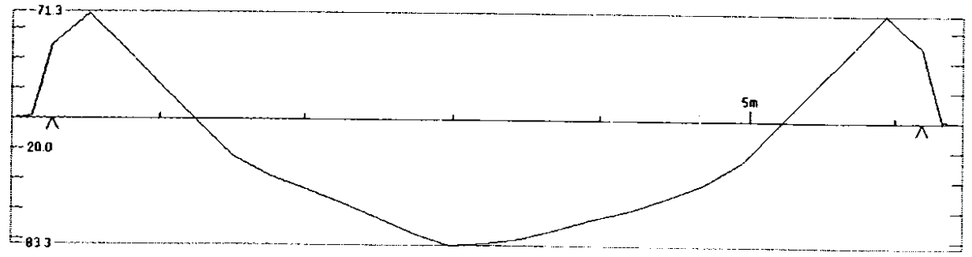


Momentos: Sección "A3" Sección long., ancho 1.00
"Tren A" (F03)
Cordenadas de la sección: 2.93, 6.29.. 8.78, 3.56

Distancia Mom

[m]	[kNm]
0.00	0.2
0.14	-1.5
0.27	-49.5
0.52	-70.2
0.76	-46.1
1.01	-21.8
1.26	1.7
1.50	24.2
1.75	37.3
2.00	45.6
2.24	54.5
2.49	64.6
2.73	75.6
2.98	83.3
3.23	81.9
3.47	78.9
3.72	72.3
3.96	65.1
4.21	59.8
4.46	51.4
4.70	42.2
4.95	26.7
5.20	1.7
5.44	-22.9
5.69	-47.2
5.93	-71.3
6.18	-50.3
6.32	-1.7
6.45	0.3

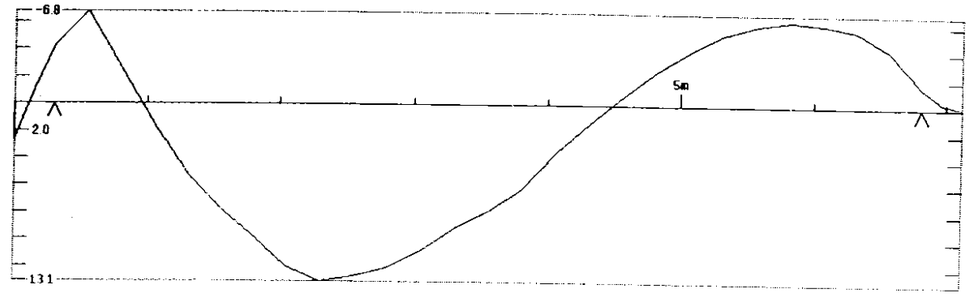
Escala 1 : 42.1
Sec. long. "A3" B= 1.00m : 2.93 6.29.. 8.78 3.56
Momentos placa: [kNm] "Tren A" (F03)
Hipótesis 3
fac. de amp.: 0.01000



Momentos: Sección "A1" Sección long., ancho 1.00
"Tren A" (F03)
Cordenadas de la sección: 6.45, 13.82.. 13.57, 13.82

Distancia [m]	Mom [kNm]
-0.00	2.7
0.15	-1.0
0.30	-4.2
0.55	-6.8
0.80	-2.6
1.05	1.6
1.30	5.3
1.55	7.8
1.80	9.8
2.06	12.0
2.31	13.1
2.56	12.7
2.81	12.1
3.06	10.8
3.31	9.1
3.56	7.8
3.81	6.2
4.06	3.5
4.31	1.3
4.56	-0.7
4.81	-2.5
5.06	-4.0
5.32	-5.2
5.57	-6.0
5.82	-6.3
6.07	-6.1
6.32	-5.6
6.57	-4.2
6.82	-1.5
6.97	-0.4
7.12	-0.1

Escala 1 : 46.4
Sec. long. "A1" B= 1.00m : 6.45 13.82.. 13.57 13.82
Momentos placa: [kNm] "Tren A" (F03)
Hipótesis 3
Fac. de amp.: 0.10000

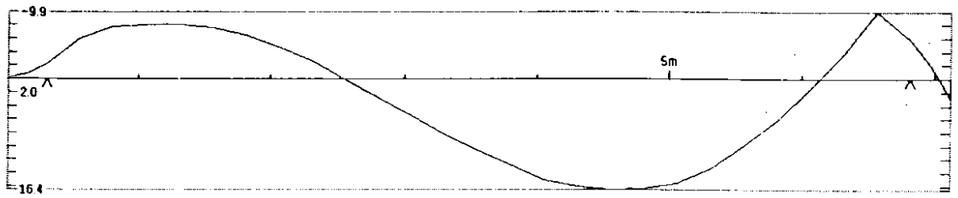


Momentos: Sección "A0" Sección long., ancho 1.00
"Tren A" (F03)
Cordenadas de la sección: 0.23, 0.50.. 7.35, 0.50

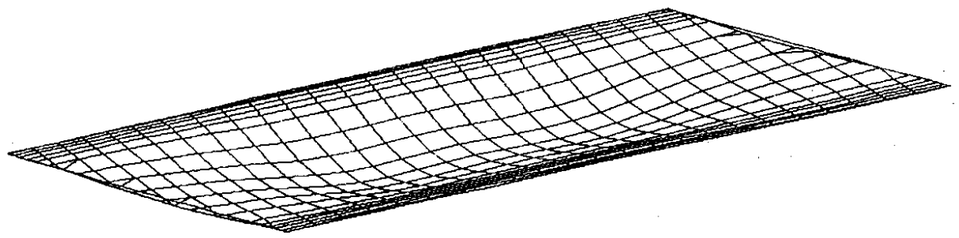
Distancia [m]	Mom [kNm]
0.00	-0.1
0.15	-0.7
0.30	-2.2
0.55	-5.9
0.80	-7.7
1.05	-8.1
1.30	-8.1
1.55	-7.6
1.80	-6.4
2.06	-4.8
2.31	-2.8
2.56	0.1
2.81	2.8
3.06	5.5
3.31	8.2
3.56	10.6
3.81	12.9
4.06	15.1
4.31	16.0
4.56	16.4
4.81	16.3
5.06	15.6
5.32	13.3
5.57	9.9
5.82	6.1
6.07	1.3
6.32	-3.9
6.57	-9.9

6.82	-5.9
6.97	-2.1
7.12	2.9

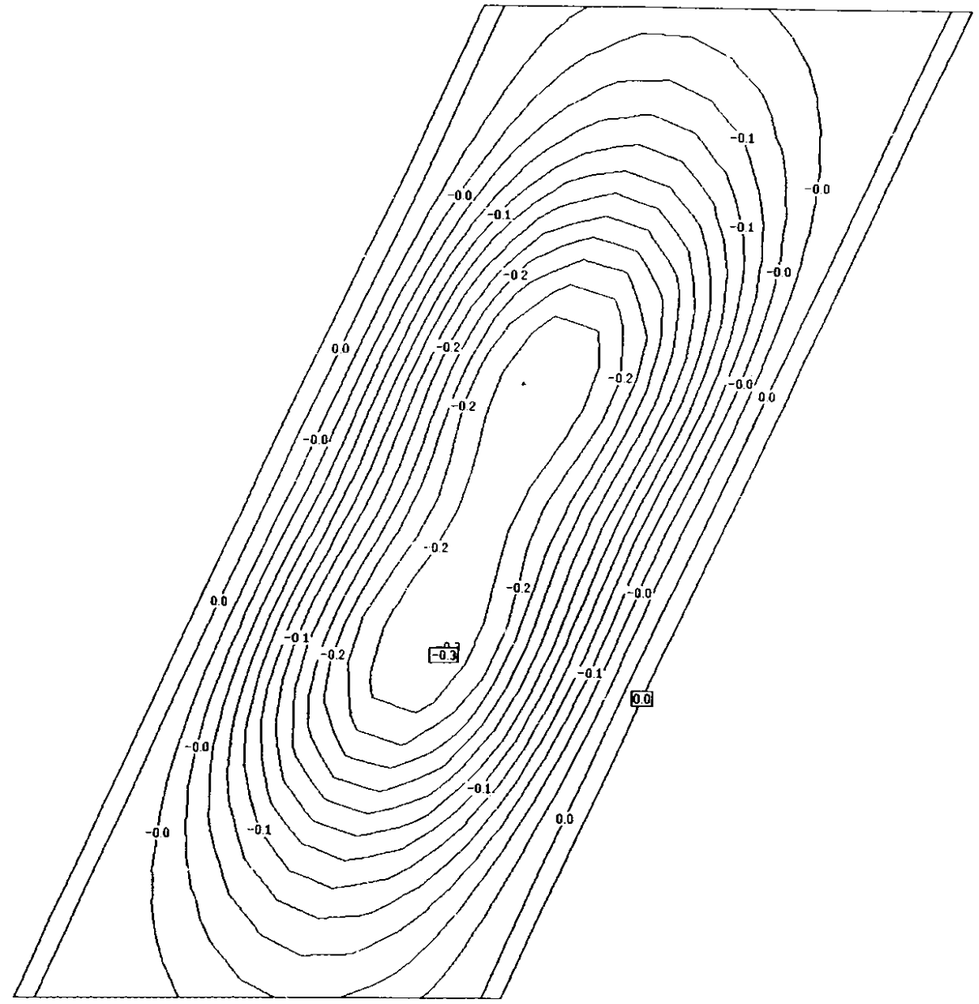
Escala 1 : 46.4
Sec. long. "A0" B= 1.00m : 0.23 0.50.. 7.35 0.50
Momentos placa: [kNm] "Tren A" (F03)
Hipótesis 3
Fac. de amp.: 0.05000



Escala 1 : 127.2
DESPLAZAMIENTOS "Tren A" (F03)
Hipótesis 3
- Pos. deformada, ampliación= 1612.0, xp=-0.7 yp=1.0 zp=-0.5
- Planta sin deformaciones



Escala 1 : 90.0
DESPLAZAMIENTOS [mm] "Tren B" (F03)
Hipótesis 4
- Deformaciones DZ, Equidist= 0.020 [mm]

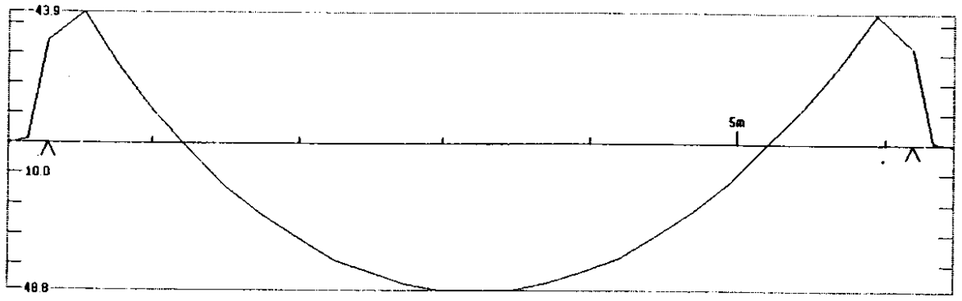


Momentos: Sección "A4" Sección long., ancho 1.00
"Tren B" (F03)
Cordenadas de la sección: 4.87, 10.45.. 10.72, 7.72

Distancia [m]	Mom. [kNm]
-0.00	0.2

0.14	-1.3
0.27	-34.3
0.52	-43.9
0.76	-26.1
1.01	-10.6
1.26	2.2
1.50	14.3
1.75	23.6
2.00	31.3
2.24	38.6
2.49	42.7
2.73	46.4
2.98	48.7
3.23	48.8
3.47	48.6
3.72	46.1
3.96	42.2
4.21	37.8
4.46	30.2
4.70	22.2
4.95	12.8
5.20	0.6
5.44	-12.0
5.69	-27.0
5.93	-43.6
6.18	-32.1
6.32	-0.8
6.45	0.2

Escala 1 : 42.1
Sec. long. "A4" B= 1.00m : 4.87 10.45.. 10.72 7.72
Momentos placa: [kNm] "Tren B" (F03)
Hipótesis 4
Fac. de amp.: 0.02000

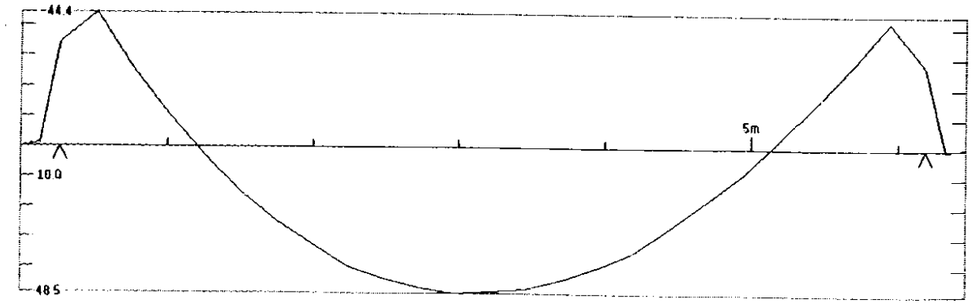


Momentos: Sección "A2" Sección long., ancho 1.00
"Tren B" (F03)
Cordenadas de la sección: 4.49, 9.62.. 10.33, 6.89

Distancia Mom

[m]	[kNm]
-0.00	0.1
0.14	-1.1
0.27	-34.5
0.52	-44.4
0.76	-26.0
1.01	-10.2
1.26	2.9
1.50	15.1
1.75	24.5
2.00	32.3
2.24	39.5
2.49	43.4
2.73	46.7
2.98	48.5
3.23	48.0
3.47	47.2
3.72	44.1
3.96	39.6
4.21	34.8
4.46	26.4
4.70	18.0
4.95	8.6
5.20	-3.3
5.44	-15.1
5.69	-28.5
5.93	-42.2
6.18	-27.3
6.32	0.3
6.45	-0.1

Escala 1 : 42.1
Sec. long. "A2" B= 1.00m : 4.49 9.62.. 10.33 6.89
Momentos placa: [kNm] "Tren B" (F03)
Hipótesis 4
Fac. de amp.: 0.02000

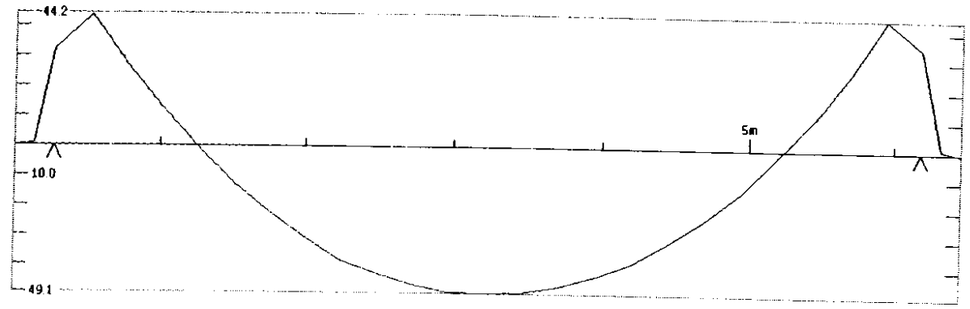


Momentos: Sección "A3" Sección long., ancho 1.00
"Tren B" (F03)

Cordenadas de la sección: 2.93, 6.29.. 8.78, 3.56

Distancia [m]	Mom [kNm]
0.00	0.1
0.14	-0.8
0.27	-32.0
0.52	-43.5
0.76	-27.1
1.01	-12.4
1.26	0.3
1.50	12.4
1.75	22.1
2.00	30.3
2.24	38.1
2.49	42.5
2.73	46.3
2.98	48.8
3.23	49.1
3.47	48.9
3.72	46.6
3.96	43.0
4.21	38.9
4.46	31.7
4.70	23.8
4.95	14.4
5.20	2.2
5.44	-10.8
5.69	-26.3
5.93	-44.2
6.18	-34.4
6.32	-1.2
6.45	0.3

Escala 1 : 42.1
Sec. long. "A3" B= 1.00m : 2.93 6.29.. 8.78 3.56
Momentos placa: [kNm] "Tren B" (F03)
Hipótesis 4
Fac. de amp.: 0.02000

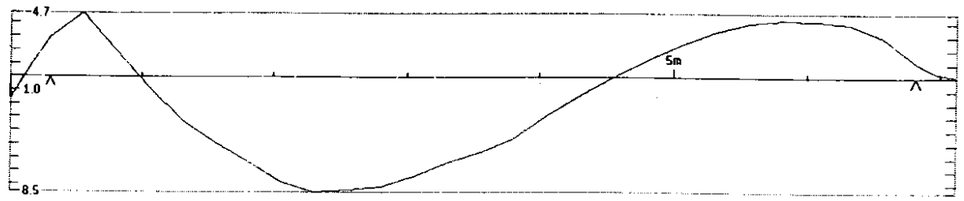


Momentos: Sección "A1" Sección long., ancho 1.00
"Tren B" (F03)
Cordenadas de la sección: 6.45, 13.82.. 13.57, 13.82

Distancia [m]	Mom [kNm]
-0.00	1.7
0.15	-0.8
0.30	-2.9
0.55	-4.7
0.80	-2.0
1.05	0.7
1.30	3.2
1.55	4.9
1.80	6.3
2.06	7.7
2.31	8.5
2.56	8.4
2.81	8.1
3.06	7.4
3.31	6.3
3.56	5.6
3.81	4.5
4.06	2.8
4.31	1.3
4.56	-0.1
4.81	-1.4
5.06	-2.5
5.32	-3.4
5.57	-4.0
5.82	-4.3
6.07	-4.2
6.32	-3.9
6.57	-3.0

6.82	-1.1
6.97	-0.3
7.12	-0.1

Escala 1 : 46.4
Sec. long. "A1" B= 1.00m : 6.45 13.82.. 13.57 13.82
Momentos placa: [kNm] "Tren B" (F03)
Hipótesis 4
Fac. de amp.: 0.10000

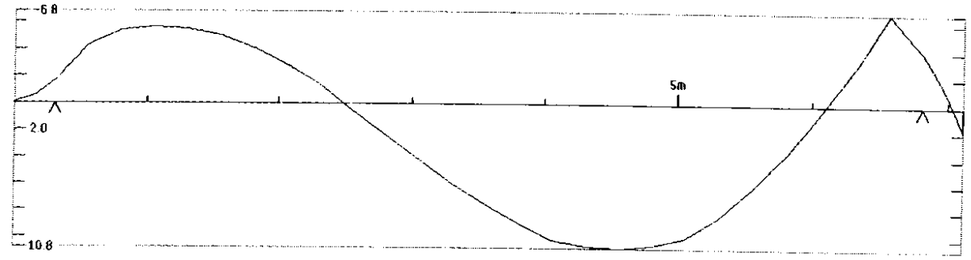


Momentos: Sección "A0" Sección long., ancho 1.00
"Tren B" (F03)
Cordenadas de la sección: 0.23, 0.50.. 7.35, 0.50

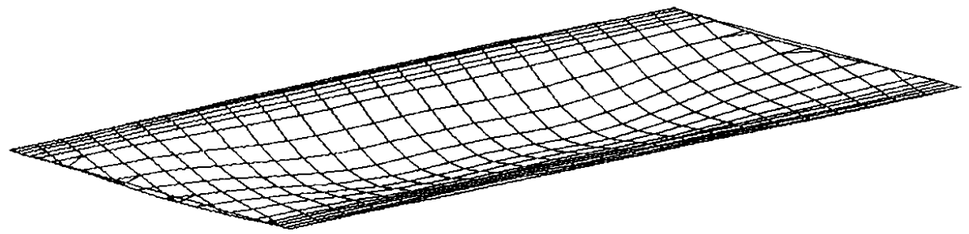
Distancia [m]	Mom [kNm]
0.00	-0.1
0.15	-0.5
0.30	-1.6
0.55	-4.3
0.80	-5.4
1.05	-5.6
1.30	-5.5
1.55	-5.0
1.80	-4.1
2.06	-2.9
2.31	-1.4
2.56	0.6
2.81	2.4
3.06	4.2
3.31	6.0
3.56	7.5
3.81	8.9
4.06	10.2
4.31	10.6
4.56	10.8
4.81	10.6
5.06	10.0
5.32	8.4
5.57	6.1
5.82	3.6
6.07	0.5

6.32	-2.9
6.57	-6.8
6.82	-4.0
6.97	-1.5
7.12	1.8

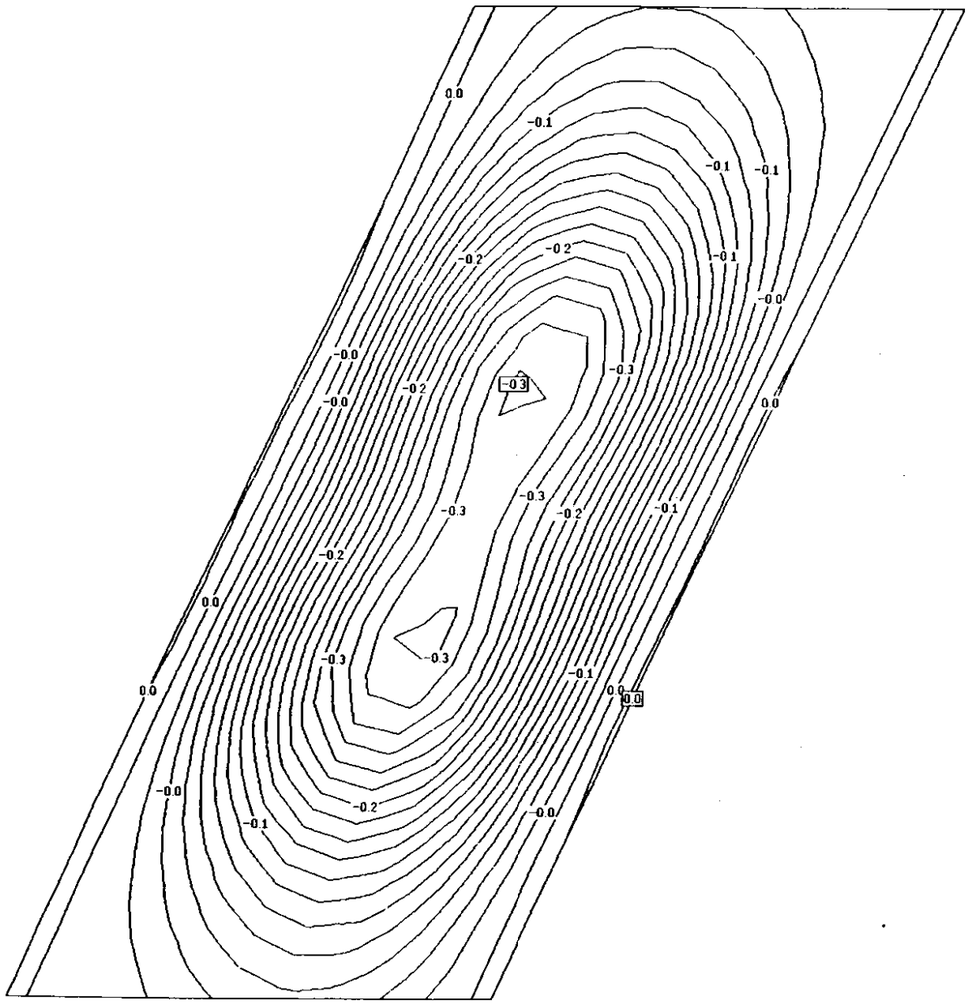
Escala 1 : 46.4
Sec. long. "A0" B= 1.00m : 0.23 0.50.. 7.35 0.50
Momentos placa: [kNm] "Tren B" (F03)
Hipótesis 4
Fac. de amp.: 0.10000



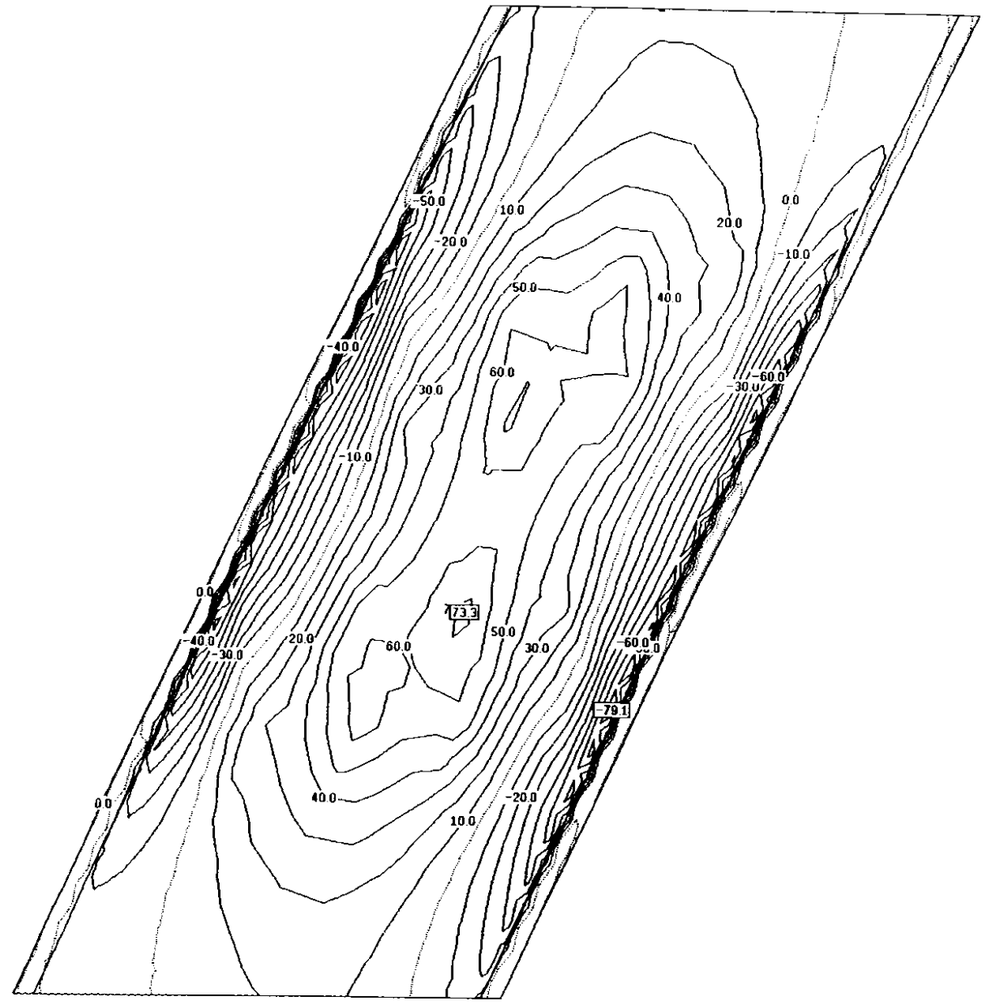
Escala 1 : 127.2
DESPLAZAMIENTOS "Tren B" (F03)
Hipótesis 4
- Pos. deformada, ampliación= 2615.8, xp=-0.7 yp=1.0 zp=-0.5
- Planta sin deformaciones



Escala 1 : 90.0
DESPLAZAMIENTOS [mm] "UIC71 y UIC71" (F03)
Hipótesis 5
- Deformaciones DZ, Equidist= 0.020 [mm]



Escala 1 : 90.0
Momentos placa [kNm/m] "UIC71 y UIC71" (F03)
Hipótesis 5
- Momentos MX [kNm/m] ,Dir-X= -25.00 Grados

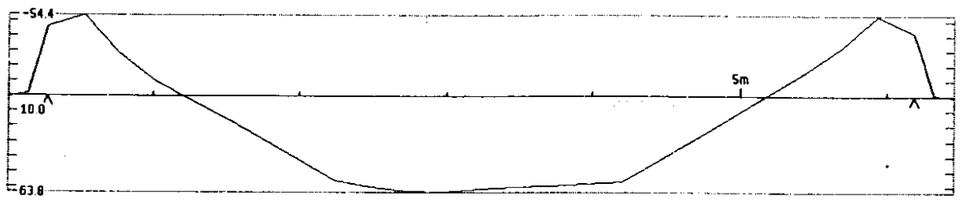


Momentos: Sección "A4" Sección long., ancho 1.00
"UIC71 y UIC71" (F03)
Cordenadas de la sección: 4.87, 10.45.. 10.72, 7.72

Distancia [m]	Mom [kNm]
-0.00	0.3

0.14	-1.8
0.27	-46.2
0.52	-54.4
0.76	-28.7
1.01	-10.3
1.26	2.3
1.50	15.0
1.75	28.0
2.00	41.8
2.24	56.0
2.49	60.4
2.73	63.4
2.98	63.8
3.23	61.5
3.47	60.0
3.72	59.2
3.96	58.3
4.21	56.8
4.46	42.7
4.70	28.1
4.95	13.3
5.20	-1.8
5.44	-16.6
5.69	-32.9
5.93	-53.5
6.18	-42.0
6.32	-0.9
6.45	0.1

Escala 1 : 42.1
Sec. long. "A4" B= 1.00m : 4.87 10.45.. 10.72 7.72
Momentos placa: [kNm] "UIC71 y UIC71" (F03)
Hipótesis 5
Fac. de amp.: 0.01000

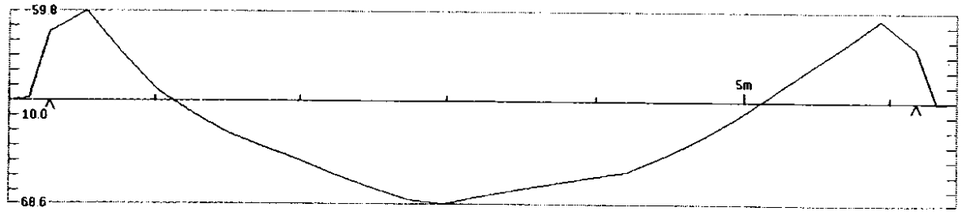


Momentos: Sección "A2" Sección long., ancho 1.00
"UIC71 y UIC71" (F03)
Cordenadas de la sección: 4.49, 9.62.. 10.33, 6.89

Distancia [m]	Mom [kNm]
-0.00	0.3

0.14	-1.3
0.27	-45.8
0.52	-59.8
0.76	-31.8
1.01	-7.1
1.26	8.0
1.50	21.5
1.75	30.7
2.00	39.4
2.24	49.1
2.49	57.5
2.73	65.4
2.98	68.6
3.23	63.7
3.47	59.0
3.72	54.7
3.96	50.8
4.21	47.3
4.46	36.4
4.70	24.7
4.95	11.1
5.20	-5.1
5.44	-21.0
5.69	-37.8
5.93	-55.1
6.18	-35.3
6.32	0.6
6.45	-0.3

Escala 1 : 42.1
Sec. long. "A2" B= 1.00m : 4.49 9.62.. 10.33 6.89
Momentos placa: [kNm] "UIC71 y UIC71" (F03)
Hipótesis 5
Fac. de amp.: 0.01000

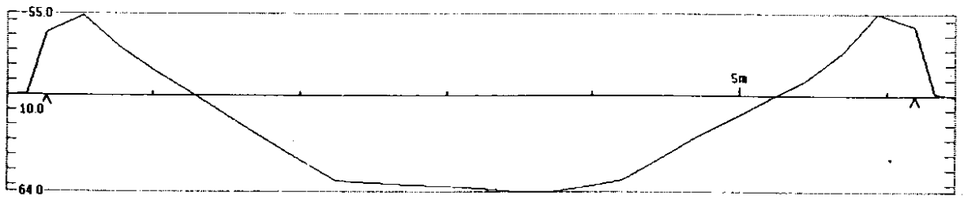


Momentos: Sección "A3" Sección long., ancho 1.00
"UIC71 y UIC71" (F03)
Cordenadas de la sección: 2.93, 6.29.. 8.78, 3.56

Distancia [m]	Mom [kNm]
0.00	0.1

0.14	-0.8
0.27	-41.9
0.52	-53.8
0.76	-33.2
1.01	-16.6
1.26	-1.9
1.50	13.1
1.75	28.0
2.00	42.7
2.24	56.8
2.49	58.4
2.73	59.4
2.98	60.3
3.23	61.6
3.47	64.0
3.72	63.6
3.96	60.7
4.21	55.9
4.46	41.7
4.70	28.0
4.95	15.2
5.20	2.4
5.44	-10.3
5.69	-28.9
5.93	-55.0
6.18	-46.2
6.32	-1.7
6.45	0.3

Escala 1 : 42.1
Sec. long. "A3" B= 1.00m : 2.93 6.29.. 8.78 3.56
Momentos placa: [kNm] "UIC71 y UIC71" (F03)
Hipótesis 5
Fac. de amp.: 0.01000

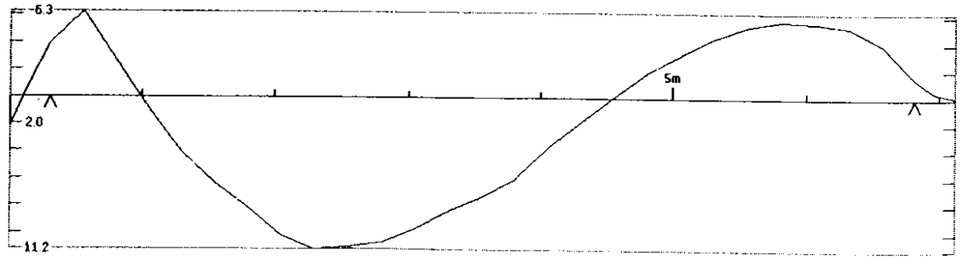


Momentos: Sección "A1" Sección long., ancho 1.00
"UIC71 y UIC71" (F03)
Cordenadas de la sección: 6.45, 13.82.. 13.57, 13.82

Distancia [m]	Mom [kNm]
-0.00	2.2

0.15	-1.0
0.30	-3.9
0.55	-6.3
0.80	-2.7
1.05	0.9
1.30	4.1
1.55	6.4
1.80	8.2
2.06	10.2
2.31	11.2
2.56	11.1
2.81	10.7
3.06	9.7
3.31	8.4
3.56	7.4
3.81	6.0
4.06	3.7
4.31	1.7
4.56	-0.1
4.81	-1.8
5.06	-3.2
5.32	-4.5
5.57	-5.3
5.82	-5.7
6.07	-5.6
6.32	-5.2
6.57	-4.0
6.82	-1.5
6.97	-0.4
7.12	-0.1

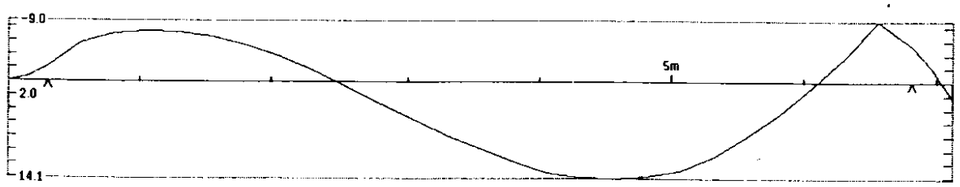
Escala 1 : 46.4
Sec. long. "A1" B= 1.00m : 6.45 13.82.. 13.57 13.82
Momentos placa: [kNm] "UIC71 y UIC71" (F03)
Hipótesis 5
Fac. de amp.: 0.10000



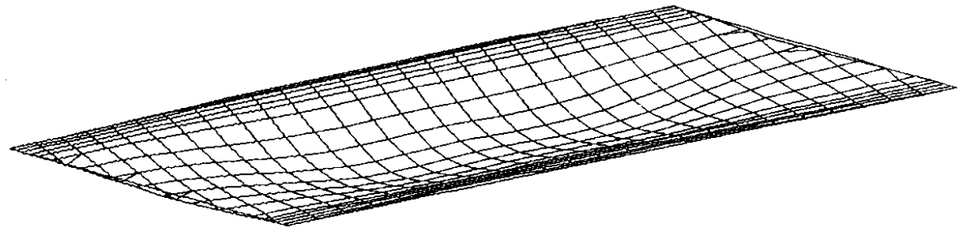
Momentos: Sección "A0" Sección long., ancho 1.00
"UIC71 y UIC71" (F03)
Cordenadas de la sección: 0.23, 0.50.. 7.35, 0.50

Distancia [m]	Mom [kNm]
0.00	-0.1
0.15	-0.7
0.30	-2.2
0.55	-5.6
0.80	-7.1
1.05	-7.4
1.30	-7.2
1.55	-6.6
1.80	-5.3
2.06	-3.8
2.31	-1.8
2.56	0.8
2.81	3.2
3.06	5.6
3.31	8.0
3.56	9.9
3.81	11.7
4.06	13.4
4.31	14.0
4.56	14.1
4.81	13.9
5.06	13.1
5.32	11.0
5.57	8.0
5.82	4.7
6.07	0.6
6.32	-3.8
6.57	-9.0
6.82	-5.3
6.97	-2.0
7.12	2.3

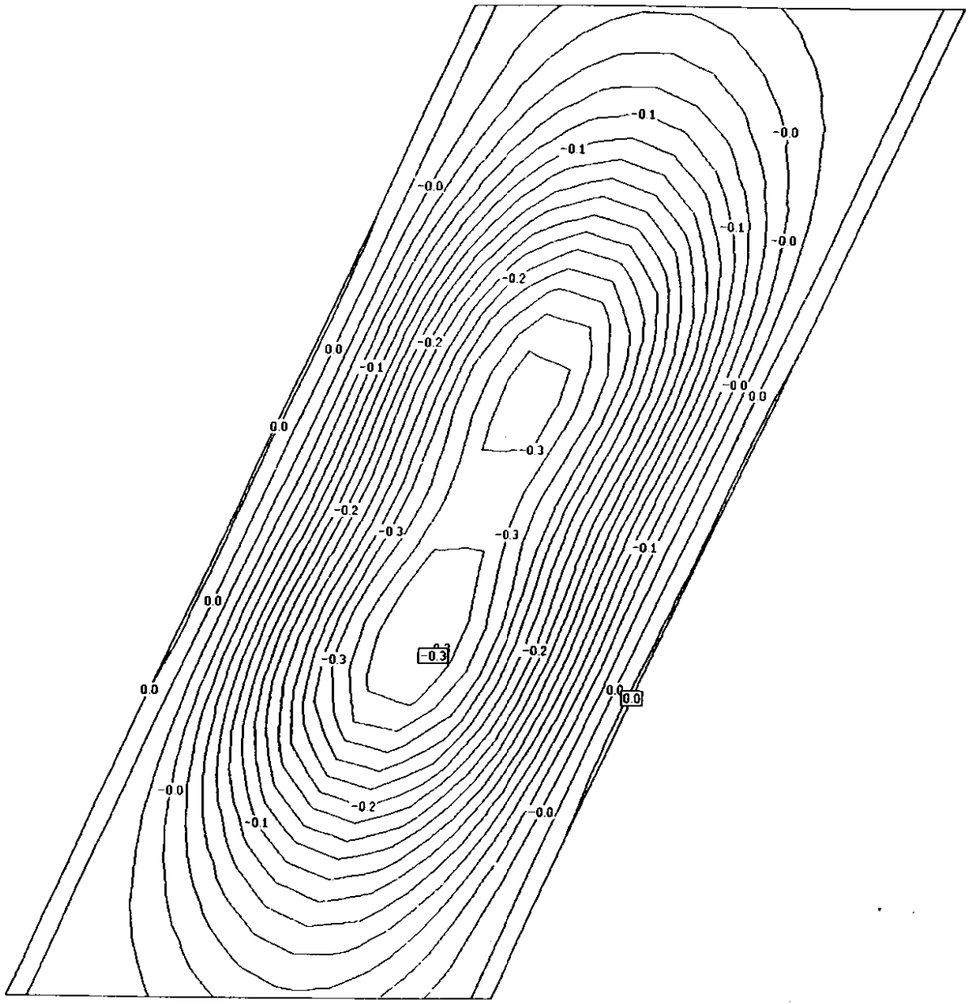
Escala 1 : 46.4
Sec. long. "A0" B= 1.00m : 0.23 0.50.. 7.35 0.50
Momentos placa: [kNm] "UIC71 y UIC71" (F03)
Hipótesis 5
Fac. de amp.: 0.05000



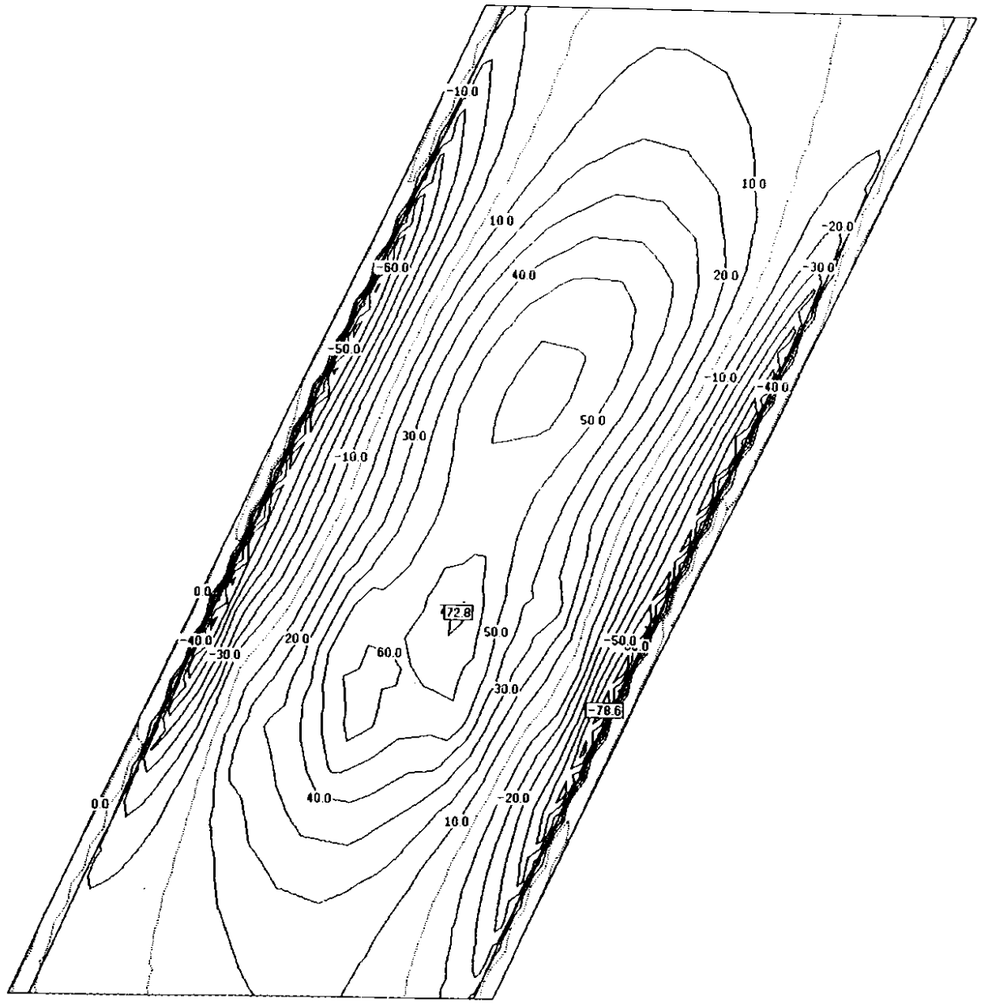
Escala 1 : 127.2
DESPLAZAMIENTOS "UIC71 y UIC71" (F03)
Hipótesis 5
- Pos. deformada, ampliación= 1936.7, xp=-0.7 yp=1.0 zp=-0.5
- Planta sin deformaciones



Escala 1 : 90.0
DESPLAZAMIENTOS [mm] "SW2 y UIC71" (F03)
Hipótesis 6
- Deformaciones DZ, Equidist= 0.020 [mm]



Escala 1 : 90.0
Momentos placa [kNm/m] "SW2 y UIC71" (F03)
Hipótesis 6
- Momentos MX [kNm/m] ,Dir-X= -25.00 Grados

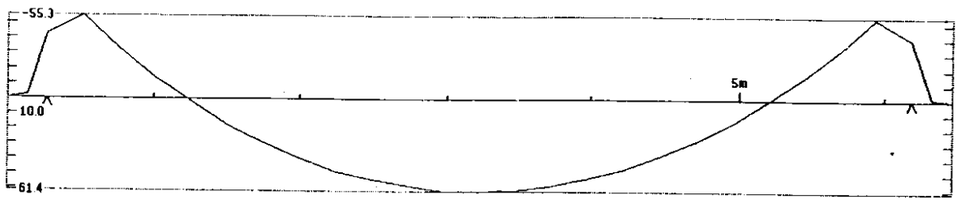


Momentos: Sección "A4" Sección long., ancho 1.00
"SW2 y UIC71" (F03)
Cordenadas de la sección: 4.87, 10.45.. 10.72, 7.72

Distancia [m]	Mom [kNm]
-0.00	0.2

0.14	-1.6
0.27	-43.1
0.52	-55.3
0.76	-32.9
1.01	-13.4
1.26	2.6
1.50	17.9
1.75	29.5
2.00	39.2
2.24	48.4
2.49	53.7
2.73	58.3
2.98	61.2
3.23	61.4
3.47	61.1
3.72	58.0
3.96	53.1
4.21	47.6
4.46	38.0
4.70	27.9
4.95	16.1
5.20	0.7
5.44	-15.2
5.69	-34.0
5.93	-54.9
6.18	-40.3
6.32	-1.0
6.45	0.2

Escala 1 : 42.1
Sec. long. "A4" B= 1.00m : 4.87 10.45.. 10.72 7.72
Momentos placa: [kNm] "SW2 y UIC71" (F03)
Hipótesis 6
Fac. de amp.: 0.01000

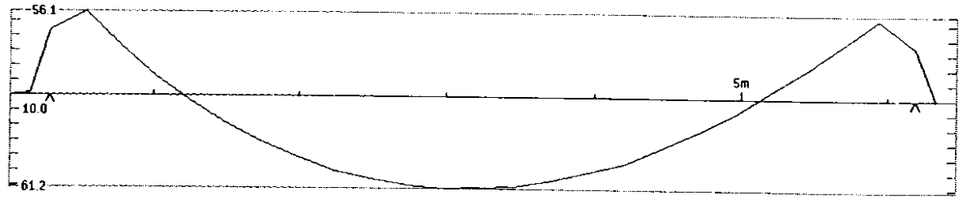


Momentos: Sección "A2" Sección long., ancho 1.00
"SW2 y UIC71" (F03)
Cordenadas de la sección: 4.49, 9.62.. 10.33, 6.89

Distancia [m]	Mom [kNm]
-0.00	0.1
0.14	-1.3

0.27	-43.4
0.52	-56.1
0.76	-33.0
1.01	-13.0
1.26	3.4
1.50	18.9
1.75	30.7
2.00	40.6
2.24	49.8
2.49	54.7
2.73	58.9
2.98	61.2
3.23	60.7
3.47	59.7
3.72	55.8
3.96	50.2
4.21	44.2
4.46	33.7
4.70	23.0
4.95	10.9
5.20	-4.1
5.44	-19.2
5.69	-36.1
5.93	-53.5
6.18	-34.6
6.32	0.4
6.45	-0.2

Escala 1 : 42.1
Sec. long. "A2" B= 1.00m : 4.49 9.62.. 10.33 6.89
Momentos placa: [kNm] "SW2 y UIC71" (F03)
Hipótesis 6
Fac. de amp.: 0.01000



Momentos: Sección "A3" Sección long., ancho 1.00
"SW2 y UIC71" (F03)
Cordenadas de la sección: 2.93, 6.29.. 8.78, 3.56

Distancia [m]	Mom [kNm]
0.00	0.1
0.14	-0.8

TREN TIPO B

$M^+_{ML} = 49'1\ kNm$
$M^+_{MP} = 2'03\ kNm$

$k = \frac{M^+_{ML}}{M^+_{MP}} = \frac{49'1}{2'03} = 24'19$

$q = 24'19\ kN/m$

TREN UIC71 + UIC71

$M^+_{ML} = 68'6\ kNm$
$M^+_{MP} = 1'208\ kNm$

$k = \frac{68'6}{1'208} = 56'79$

$P = 56'79\ kN$

TREN SW2 + UIC71

$M^+_{ML} = 63'8\ kNm$
$M^+_{MP} = 2'03\ kNm$

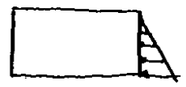
$k = \frac{63'8}{2'03} = 31'43$

$q = 31'43\ kN/m$

EMPUJE TIERRAS LADO 1 DURANTE CONSTRUCCIÓN

Peso específico : $20\ kN/m^3$

$E = 20\frac{kN}{m^3} \cdot 1'39\ m \cdot \underbrace{0'5}_{\text{Kh empuje al reposo}} \cdot 1m = 13'9\ \frac{kN}{m}$



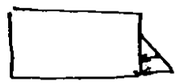
EMPUJE TIERRAS LADO 2 DURANTE CONSTRUCCIÓN

$E = 13'9\ \frac{kN}{m}$



EMPUJE LADO 1 CONSTRUCCION BAJO

$E = 20\frac{kN}{m^3}\ (\underbrace{0'917}_{9'174})\ * 0'5 \times 1m = 9'17\ kN/m$



EMPUJE LADO 2 CONSTRUCCION BAJO



$E = 9'17\ kN/m$

EMPUJE LADO1 CONSTRUCCIÓN POR SC. MAQUINARIA 1 T/m²

$E = 10\ kN/m^2 \times 0'5 \times 1 = 5\ kN/m$

EMPUJE LADO 2 CONSTRUCCIÓN POR SC. MAQUINARIA

$E = 5\ kN/m$

EMPUJE LADO 1 SERVICIO

$E = 20'3\ kN/m$

EMPUJE LADO 2 SERVICIO

$E = 20'3\ kN/m$

EMPUJE LADO 1 SC 3000 kp/m²

$E = 30\ \frac{kN}{m^2} \times 0'5 \times 1 = 15'0\ kN/m$

EMPUJE LADO 2 SC 3000 kp/m²

$E = 150\ kN/m$

FRENADO

- Según IPF-75 se toma 1/8 del peso del tren tipo

Tren tipo A : 3 x 300 = 900 kN
Tren tipo B : 120 x 5'85 = 720 kN
} Se toma tren A

$F = \frac{1}{8}(900 + 0'9 \times 900) = 213'75\ kN$

↑ Reducción en la 2ª vía

- Según EC-1 se toma un 25% del peso del tren tipo

Tren UIC71 : 4 x 250 = 1000 kN
Tren SW2 : 150 x 5'85 = 877'5 kN
} Se toma el UIC71

$F = 0'25 \times 250 \times 4 \times 2 = 500\ kN$

$\frac{500\ kN}{14'32\ m\ de\ ancho} = 34'92\ \frac{kN}{m}$

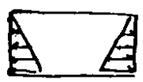
$\frac{34'92\ kN/m}{5'85\ m\ largo} = 5'97\ \frac{kN}{m^2}$

GRADIENTE DE TEMPERATURA

$\chi = \frac{10°C}{0'6m}\ 10^{-5}\ (°C^{-1}) = 1'67 \cdot 10^{-4}\ m^{-1}$

EMPUJE HIDROSTÁTICO EN EL INTERIOR

Peso específico 10kN/m³

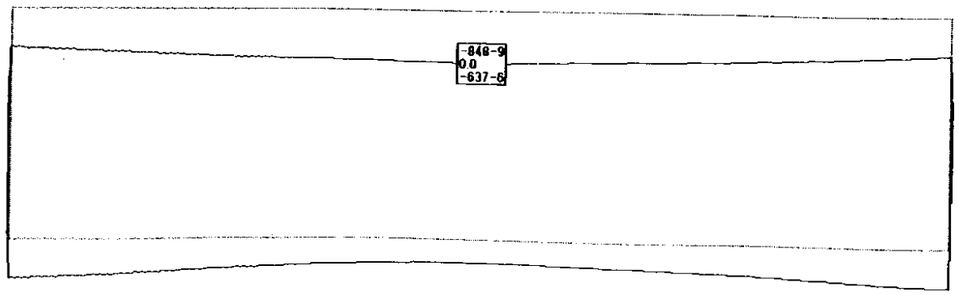


$E = 10\frac{kN}{m^3} \cdot 1'69m \cdot 1m = 16'9\frac{kN}{m}$

BELASTUNG: 'Peso propio'

Lastfall	Faktor	Bauzustd. Vorv.	Titel
1	1.0000		Peso propio

Escala 1 : 38.3
Deformed structure, Hipótesi 1 (Peso propio), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 5.0E2
- V-Max , Text: Vx,Vy,Vz [M]



ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
2	0	-64.714	4.699	-40.843
2	0.347	-59.504	4.699	-39.211
2	0.695	-54.294	4.699	-37.579
2	1.042	-49.085	4.699	-35.947
2	1.389	-43.875	4.699	-34.315
3	0	-43.875	-4.699	-34.315
3	0.347	-49.085	-4.699	-35.947
3	0.695	-54.294	-4.699	-37.579
3	1.042	-59.504	-4.699	-39.211
3	1.389	-64.714	-4.699	-40.843
4	0	4.699	43.875	-34.315
4	1.462	4.699	21.938	13.810
4	2.925	4.699	2.17E-12	29.852
4	4.387	4.699	-21.937	13.810
4	5.850	4.699	-43.875	-34.315
5	0	-4.699	-54.286	40.843
5	0.0563	-4.699	-55.130	37.765
5	0.113	-4.699	-55.974	34.641
5	0.169	-4.699	-56.818	31.468
5	0.225	-4.699	-57.661	28.249
6	0	-4.699	-47.563	28.249
6	0.0563	-4.699	-48.407	25.549
6	0.113	-4.699	-49.251	22.803
6	0.169	-4.699	-50.094	20.009
6	0.225	-4.699	-50.938	17.167
7	0	-4.699	-41.236	17.167
7	0.0563	-4.699	-42.079	14.824
7	0.113	-4.699	-42.923	12.433
7	0.169	-4.699	-43.767	9.995
7	0.225	-4.699	-44.611	7.510
8	0	-4.699	-35.345	7.510
8	0.0562	-4.699	-36.189	5.498
8	0.112	-4.699	-37.033	3.438
8	0.169	-4.699	-37.876	1.331
8	0.225	-4.699	-38.720	-0.822811
9	0	-4.699	-29.910	-0.822811
9	0.0562	-4.699	-30.753	-2.529
9	0.112	-4.699	-31.597	-4.283
9	0.169	-4.699	-32.441	-6.084
9	0.225	-4.699	-33.285	-7.932
10	0	-4.699	-24.928	-7.932
10	0.0563	-4.699	-25.772	-9.358
10	0.113	-4.699	-26.616	-10.832
10	0.169	-4.699	-27.459	-12.352
10	0.225	-4.699	-28.303	-13.921

ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	- My [kNm]
11	0	-4.699	-20.382	-13.921
11	0.0562	-4.699	-21.226	-15.091
11	0.112	-4.699	-22.070	-16.309
11	0.169	-4.699	-22.914	-17.574
11	0.225	-4.699	-23.757	-18.886
12	0	-4.699	-16.240	-18.886
12	0.0563	-4.699	-17.084	-19.824
12	0.113	-4.699	-17.928	-20.808
12	0.169	-4.699	-18.772	-21.841
12	0.225	-4.699	-19.615	-22.920
13	0	-4.699	-12.458	-22.920
13	0.0562	-4.699	-13.302	-23.645
13	0.112	-4.699	-14.146	-24.417
13	0.169	-4.699	-14.990	-25.236
13	0.225	-4.699	-15.833	-26.103
14	0	-4.699	-8.983	-26.103
14	0.0563	-4.699	-9.827	-26.632
14	0.113	-4.699	-10.671	-27.209
14	0.169	-4.699	-11.514	-27.833
14	0.225	-4.699	-12.358	-28.504
15	0	-4.699	-5.754	-28.504
15	0.0563	-4.699	-6.598	-28.851
15	0.113	-4.699	-7.442	-29.246
15	0.169	-4.699	-8.285	-29.689
15	0.225	-4.699	-9.129	-30.178
16	0	-4.699	-2.704	-30.178
16	0.0563	-4.699	-3.548	-30.354
16	0.113	-4.699	-4.392	-30.577
16	0.169	-4.699	-5.236	-30.848
16	0.225	-4.699	-6.079	-31.167
17	0	-4.699	0.235750	-31.167
17	0.0562	-4.699	-0.607999	-31.177
17	0.112	-4.699	-1.452	-31.235
17	0.169	-4.699	-2.295	-31.340
17	0.225	-4.699	-3.139	-31.493
18	0	-4.699	3.139	-31.493
18	0.0563	-4.699	2.295	-31.340
18	0.113	-4.699	1.452	-31.235
18	0.169	-4.699	0.607999	-31.177
18	0.225	-4.699	-0.235750	-31.167
19	0	-4.699	6.079	-31.167
19	0.0563	-4.699	5.236	-30.848
19	0.113	-4.699	4.392	-30.577
19	0.169	-4.699	3.548	-30.354

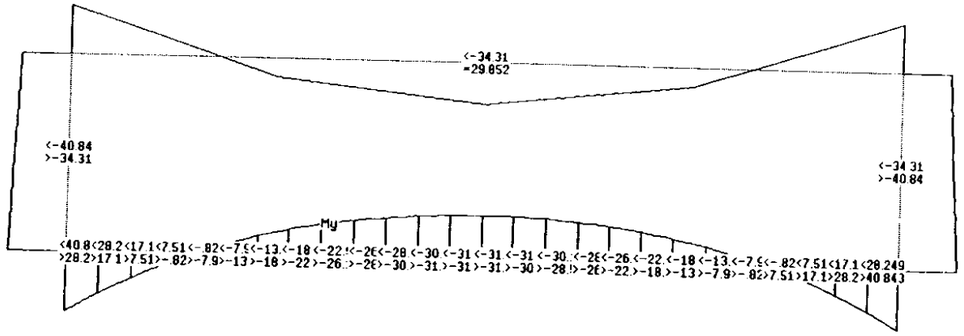
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
19	0.225	-4.699	2.704	-30.178
20	0	-4.699	9.129	-30.178
20	0.0563	-4.699	8.285	-29.689
20	0.113	-4.699	7.442	-29.246
20	0.169	-4.699	6.598	-28.851
20	0.225	-4.699	5.754	-28.504
21	0	-4.699	12.358	-28.504
21	0.0563	-4.699	11.514	-27.833
21	0.113	-4.699	10.671	-27.209
21	0.169	-4.699	9.827	-26.632
21	0.225	-4.699	8.983	-26.103
22	0	-4.699	15.833	-26.103
22	0.0562	-4.699	14.990	-25.236
22	0.112	-4.699	14.146	-24.417
22	0.169	-4.699	13.302	-23.645
22	0.225	-4.699	12.458	-22.920
23	0	-4.699	19.615	-22.920
23	0.0563	-4.699	18.772	-21.841
23	0.113	-4.699	17.928	-20.808
23	0.169	-4.699	17.084	-19.824
23	0.225	-4.699	16.240	-18.886
24	0	-4.699	23.757	-18.886
24	0.0562	-4.699	22.914	-17.574
24	0.112	-4.699	22.070	-16.309
24	0.169	-4.699	21.226	-15.091
24	0.225	-4.699	20.382	-13.921
25	0	-4.699	28.303	-13.921
25	0.0562	-4.699	27.459	-12.352
25	0.112	-4.699	26.616	-10.832
25	0.169	-4.699	25.772	-9.358
25	0.225	-4.699	24.928	-7.932
26	0	-4.699	33.285	-7.932
26	0.0563	-4.699	32.441	-6.084
26	0.113	-4.699	31.597	-4.283
26	0.169	-4.699	30.753	-2.529
26	0.225	-4.699	29.910	-0.822811
27	0	-4.699	38.720	-0.822811
27	0.0562	-4.699	37.876	1.331
27	0.112	-4.699	37.033	3.438
27	0.169	-4.699	36.189	5.498
27	0.225	-4.699	35.345	7.510
28	0	-4.699	44.611	7.510
28	0.0563	-4.699	43.767	9.995
28	0.113	-4.699	42.923	12.433

ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	- My [kNm]
28	0.169	-4.699	42.079	14.824
28	0.225	-4.699	41.236	17.167
29	0	-4.699	50.938	17.167
29	0.0562	-4.699	50.094	20.009
29	0.112	-4.699	49.251	22.803
29	0.169	-4.699	48.407	25.549
29	0.225	-4.699	47.563	28.249
30	0	-4.699	57.661	28.249
30	0.0562	-4.699	56.818	31.468
30	0.112	-4.699	55.974	34.641
30	0.169	-4.699	55.130	37.765
30	0.225	-4.699	54.286	40.843

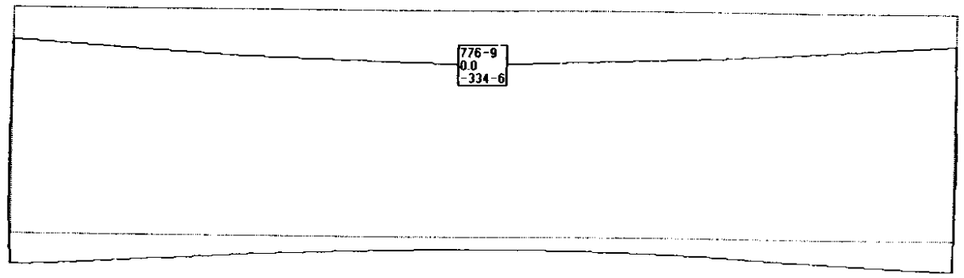
Escala 1 : 43.5
Section force, Hipótesi 1 (Peso propio), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 1.00E-02
  min: -4.08E+01 max: 4.08E+01 [kNm]
- Text Moment My [kNm]



BELASTUNG: 'Carga muerta'

Lastfall	Faktor	Bauzustd. Vorv.	Titel
5	1.0000		Carga muerta

Escala 1 : 38.3
Deformed structure, Hipótesi 5 (Carga muerta), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 1.0E3
- V-Max , Text: Vx,Vy,Vz [M]



ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
2	0	-37.762	-4.297	-24.014
2	1.389	-37.762	-4.297	-29.984
3	0	-37.762	4.297	-29.984
3	1.389	-37.762	4.297	-24.014
4	0	-4.297	37.762	-29.984
4	1.462	-4.297	18.881	11.436
4	2.925	-4.297	7.90E-13	25.242
4	4.387	-4.297	-18.881	11.436
4	5.850	-4.297	-37.762	-29.984
5	0	4.297	-33.494	24.014
5	0.225	4.297	-33.494	16.478
6	0	4.297	-29.434	16.478
6	0.225	4.297	-29.434	9.855
7	0	4.297	-25.621	9.855
7	0.225	4.297	-25.621	4.090
8	0	4.297	-22.078	4.090
8	0.225	4.297	-22.078	-0.877197
9	0	4.297	-18.815	-0.877197

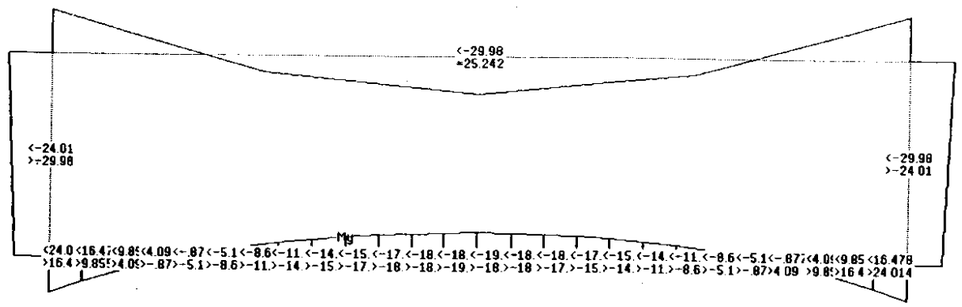
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
9	0.225	4.297	-18.815	-5.111
10	0	4.297	-15.830	-5.111
10	0.225	4.297	-15.830	-8.672
11	0	4.297	-13.112	-8.672
11	0.225	4.297	-13.112	-11.623
12	0	4.297	-10.640	-11.623
12	0.225	4.297	-10.640	-14.017
13	0	4.297	-8.388	-14.017
13	0.225	4.297	-8.388	-15.904
14	0	4.297	-6.322	-15.904
14	0.225	4.297	-6.322	-17.326
15	0	4.297	-4.406	-17.326
15	0.225	4.297	-4.406	-18.318
16	0	4.297	-2.599	-18.318
16	0.225	4.297	-2.599	-18.903
17	0	4.297	-0.859010	-18.903
17	0.225	4.297	-0.859010	-19.096
18	0	4.297	0.859010	-19.096
18	0.225	4.297	0.859010	-18.903
19	0	4.297	2.599	-18.903
19	0.225	4.297	2.599	-18.318
20	0	4.297	4.406	-18.318
20	0.225	4.297	4.406	-17.326
21	0	4.297	6.322	-17.326
21	0.225	4.297	6.322	-15.904
22	0	4.297	8.388	-15.904
22	0.225	4.297	8.388	-14.017
23	0	4.297	10.640	-14.017
23	0.225	4.297	10.640	-11.623
24	0	4.297	13.112	-11.623
24	0.225	4.297	13.112	-8.672
25	0	4.297	15.830	-8.672
25	0.225	4.297	15.830	-5.111
26	0	4.297	18.815	-5.111
26	0.225	4.297	18.815	-0.877197

ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
27	0	4.297	22.078	-0.877197
27	0.225	4.297	22.078	4.090
28	0	4.297	25.621	4.090
28	0.225	4.297	25.621	9.855
29	0	4.297	29.434	9.855
29	0.225	4.297	29.434	16.478
30	0	4.297	33.494	16.478
30	0.225	4.297	33.494	24.014

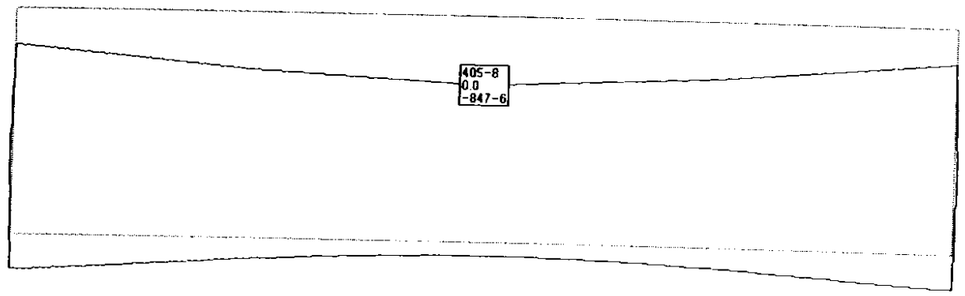
Escala 1 : 42.0
Section force, Hipótesi 5 (Carga muerta), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 1.00E-02
  min: -3.00E+01 max: 2.52E+01 [kNm]
- Text Moment My [kNm]



BELASTUNG: 'Tren A'

Lastfall	Faktor	Bauzustd. Vorv.	-Titel
6	1.0000		Tren A

Escala 1 : 38.4
Deformed structure, Hipótesi 6 (Tren A), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 5.0E2
- V-Max , Text: Vx,Vy,Vz [M]



ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
2	0	-85.830	-22.417	-53.719
2	1.389	-85.830	-22.417	-84.863
3	0	-85.830	22.417	-84.863
3	1.389	-85.830	22.417	-53.719
4	0	-22.417	85.830	-84.863
4	1.424	-22.417	85.830	37.395
4	1.426	-22.417	28.610	37.462
4	2.924	-22.417	28.610	80.343
4	2.926	-22.417	-28.610	80.343
4	4.424	-22.417	-28.610	37.462
4	4.426	-22.417	-85.830	37.395
4	5.850	-22.417	-85.830	-84.863
5	0	22.417	-76.057	53.719
5	0.225	22.417	-76.057	36.607
6	0	22.417	-66.774	36.607
6	0.225	22.417	-66.774	21.583
7	0	22.417	-58.068	21.583
7	0.225	22.417	-58.068	8.517

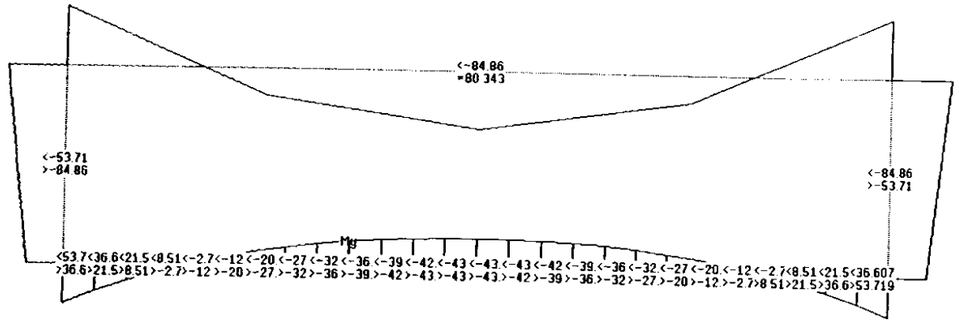
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
8	0	22.417	-49.991	8.517
8	0.225	22.417	-49.991	-2.731
9	0	22.417	-42.563	-2.731
9	0.225	22.417	-42.563	-12.307
10	0	22.417	-35.778	-12.307
10	0.225	22.417	-35.778	-20.357
11	0	22.417	-29.609	-20.357
11	0.225	22.417	-29.609	-27.019
12	0	22.417	-24.008	-27.019
12	0.225	22.417	-24.008	-32.421
13	0	22.417	-18.912	-32.421
13	0.225	22.417	-18.912	-36.676
14	0	22.417	-14.246	-36.676
14	0.225	22.417	-14.246	-39.882
15	0	22.417	-9.923	-39.882
15	0.225	22.417	-9.923	-42.114
16	0	22.417	-5.852	-42.114
16	0.225	22.417	-5.852	-43.431
17	0	22.417	-1.934	-43.431
17	0.225	22.417	-1.934	-43.866
18	0	22.417	1.934	-43.866
18	0.225	22.417	1.934	-43.431
19	0	22.417	5.852	-43.431
19	0.225	22.417	5.852	-42.114
20	0	22.417	9.923	-42.114
20	0.225	22.417	9.923	-39.882
21	0	22.417	14.246	-39.882
21	0.225	22.417	14.246	-36.676
22	0	22.417	18.912	-36.676
22	0.225	22.417	18.912	-32.421
23	0	22.417	24.008	-32.421
23	0.225	22.417	24.008	-27.019
24	0	22.417	29.609	-27.019
24	0.225	22.417	29.609	-20.357
25	0	22.417	35.778	-20.357
25	0.225	22.417	35.778	-12.307

ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
26	0	22.417	42.563	-12.307
26	0.225	22.417	42.563	-2.731
27	0	22.417	49.991	-2.731
27	0.225	22.417	49.991	8.517
28	0	22.417	58.068	8.517
28	0.225	22.417	58.068	21.583
29	0	22.417	66.774	21.583
29	0.225	22.417	66.774	36.607
30	0	22.417	76.057	36.607
30	0.225	22.417	76.057	53.719

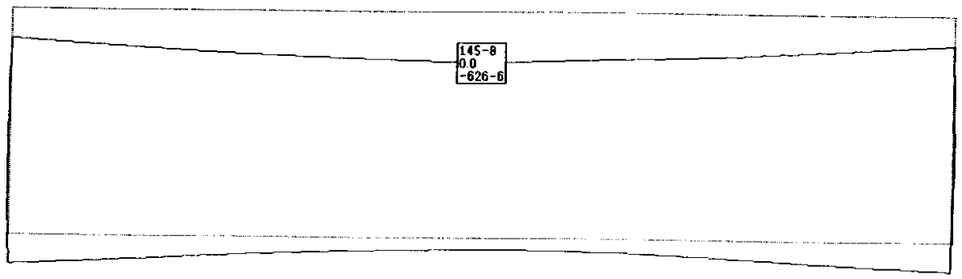
Escala 1 : 43.7
Section force, Hipótesi 6 (Tren A), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 5.00E-03
  min: -8.49E+01 max: 8.03E+01 [kNm]
- Text Moment My [kNm]



BELASTUNG: 'Tren B'

Lastfall	Faktor	Bauzustd. Vorv.	Titel
7	1.0000		Tren B

Escala 1 : 38.3
Deformed structure, Hipótesi 7 (Tren B), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 5.0E2
- V-Max , Text: Vx,Vy,Vz [M]



ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
2	0	-70.756	-8.052	-44.996
2	1.389	-70.756	-8.052	-56.182
3	0	-70.756	8.052	-56.182
3	1.389	-70.756	8.052	-44.996
4	0	-8.052	70.756	-56.182
4	1.462	-8.052	35.378	21.428
4	2.925	-8.052	1.48E-12	47.298
4	4.387	-8.052	-35.378	21.428
4	5.850	-8.052	-70.756	-56.182
5	0	8.052	-62.759	44.996
5	0.225	8.052	-62.759	30.875
6	0	8.052	-55.152	30.875
6	0.225	8.052	-55.152	18.466
7	0	8.052	-48.008	18.466
7	0.225	8.052	-48.008	7.664
8	0	8.052	-41.369	7.664
8	0.225	8.052	-41.369	-1.644
9	0	8.052	-35.255	-1.644

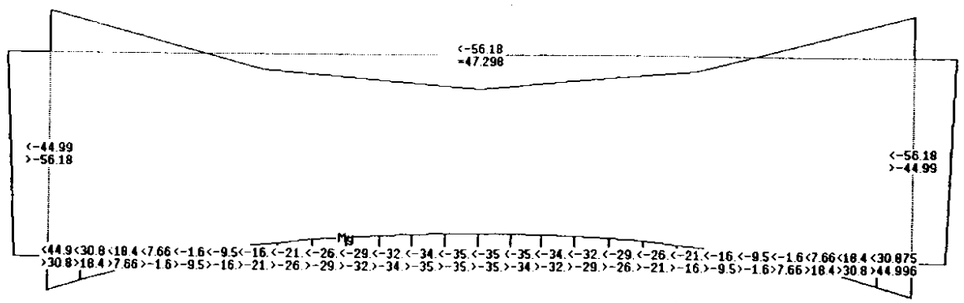
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
9	0.225	8.052	-35.255	-9.576
10	0	8.052	-29.662	-9.576
10	0.225	8.052	-29.662	-16.250
11	0	8.052	-24.569	-16.250
11	0.225	8.052	-24.569	-21.778
12	0	8.052	-19.937	-21.778
12	0.225	8.052	-19.937	-26.264
13	0	8.052	-15.717	-26.264
13	0.225	8.052	-15.717	-29.800
14	0	8.052	-11.846	-29.800
14	0.225	8.052	-11.846	-32.465
15	0	8.052	-8.256	-32.465
15	0.225	8.052	-8.256	-34.323
16	0	8.052	-4.870	-34.323
16	0.225	8.052	-4.870	-35.419
17	0	8.052	-1.610	-35.419
17	0.225	8.052	-1.610	-35.781
18	0	8.052	1.610	-35.781
18	0.225	8.052	1.610	-35.419
19	0	8.052	4.870	-35.419
19	0.225	8.052	4.870	-34.323
20	0	8.052	8.256	-34.323
20	0.225	8.052	8.256	-32.465
21	0	8.052	11.846	-32.465
21	0.225	8.052	11.846	-29.800
22	0	8.052	15.717	-29.800
22	0.225	8.052	15.717	-26.264
23	0	8.052	19.937	-26.264
23	0.225	8.052	19.937	-21.778
24	0	8.052	24.569	-21.778
24	0.225	8.052	24.569	-16.250
25	0	8.052	29.662	-16.250
25	0.225	8.052	29.662	-9.576
26	0	8.052	35.255	-9.576
26	0.225	8.052	35.255	-1.644

ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
27	0	8.052	41.369	-1.644
27	0.225	8.052	41.369	7.664
28	0	8.052	48.008	7.664
28	0.225	8.052	48.008	18.466
29	0	8.052	55.152	18.466
29	0.225	8.052	55.152	30.875
30	0	8.052	62.759	30.875
30	0.225	8.052	62.759	44.996

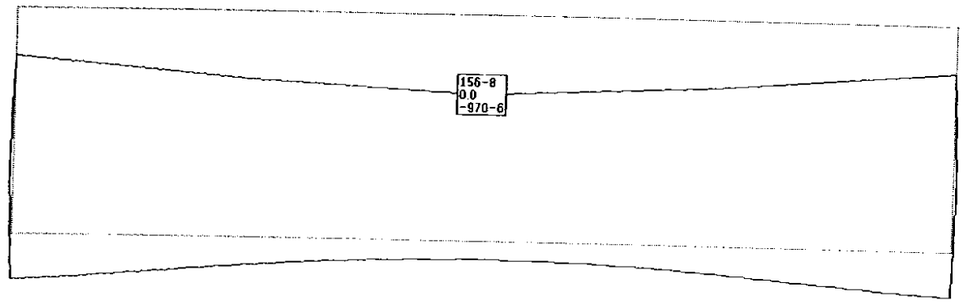
Escala 1 : 41.8
Section force, Hipótesi 7 (Tren B), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 5.00E-03
  min: -5.62E+01 max: 4.73E+01 [kNm]
- Text Moment My [kNm]



BELASTUNG: 'Tren UIC71 + UIC71'

Lastfall	Faktor	Bauzustd.	Vorv.	Titel
8	1.0000			Tren UIC71 + UIC71

Escala 1 : 38.4
Deformed structure, Hipótesi 8 (Tren UIC71 + UIC71), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 5.0E2
- V-Max , Text: Vx,Vy,Vz [M]



ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
2	0	-113.580	-8.615	-72.524
2	1.389	-113.580	-8.615	-84.492
3	0	-113.580	8.615	-84.492
3	1.389	-113.580	8.615	-72.524
4	0	-8.615	113.580	-84.492
4	0.524	-8.615	113.580	-24.929
4	0.526	-8.615	56.790	-24.829
4	2.124	-8.615	56.790	65.968
4	2.126	-8.615	2.42E-12	66.002
4	3.724	-8.615	2.42E-12	66.002
4	3.726	-8.615	-56.790	65.968
4	5.324	-8.615	-56.790	-24.829
4	5.326	-8.615	-113.580	-24.929
4	5.850	-8.615	-113.580	-84.492
5	0	8.615	-100.769	72.524
5	0.225	8.615	-100.769	49.851
6	0	8.615	-88.577	49.851
6	0.225	8.615	-88.577	29.921
7	0	8.615	-77.121	29.921

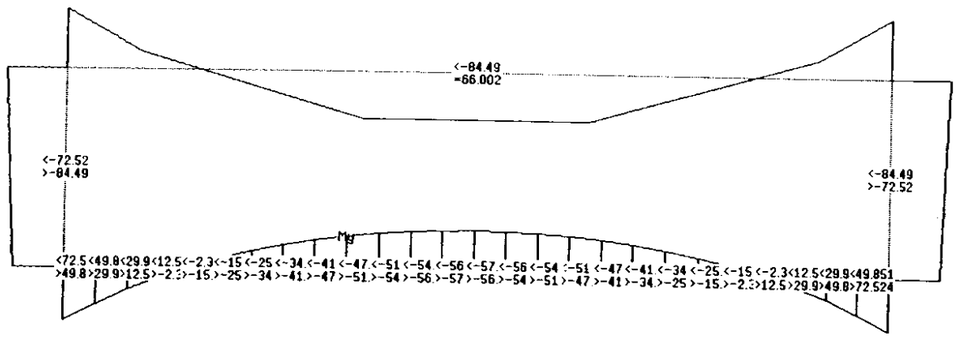
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
7	0.225	8.615	-77.121	12.569
8	0	8.615	-66.472	12.569
8	0.225	8.615	-66.472	-2.387
9	0	8.615	-56.661	-2.387
9	0.225	8.615	-56.661	-15.136
10	0	8.615	-47.684	-15.136
10	0.225	8.615	-47.684	-25.865
11	0	8.615	-39.505	-25.865
11	0.225	8.615	-39.505	-34.753
12	0	8.615	-32.064	-34.753
12	0.225	8.615	-32.064	-41.968
13	0	8.615	-25.281	-41.968
13	0.225	8.615	-25.281	-47.656
14	0	8.615	-19.058	-47.656
14	0.225	8.615	-19.058	-51.944
15	0	8.615	-13.284	-51.944
15	0.225	8.615	-13.284	-54.933
16	0	8.615	-7.837	-54.933
16	0.225	8.615	-7.837	-56.696
17	0	8.615	-2.590	-56.696
17	0.225	8.615	-2.590	-57.279
18	0	8.615	2.590	-57.279
18	0.225	8.615	2.590	-56.696
19	0	8.615	7.837	-56.696
19	0.225	8.615	7.837	-54.933
20	0	8.615	13.284	-54.933
20	0.225	8.615	13.284	-51.944
21	0	8.615	19.058	-51.944
21	0.225	8.615	19.058	-47.656
22	0	8.615	25.281	-47.656
22	0.225	8.615	25.281	-41.968
23	0	8.615	32.064	-41.968
23	0.225	8.615	32.064	-34.753
24	0	8.615	39.505	-34.753
24	0.225	8.615	39.505	-25.865

ESFUERZOS: "ALL"

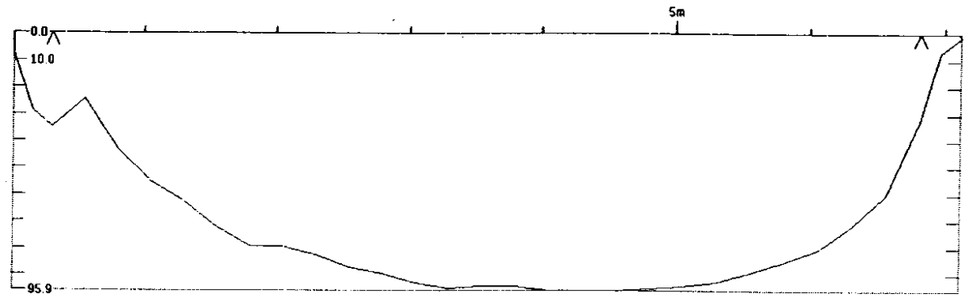
Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
25	0	8.615	47.684	-25.865
25	0.225	8.615	47.684	-15.136
26	0	8.615	56.661	-15.136
26	0.225	8.615	56.661	-2.387
27	0	8.615	66.472	-2.387
27	0.225	8.615	66.472	12.569
28	0	8.615	77.121	12.569
28	0.225	8.615	77.121	29.921
29	0	8.615	88.577	29.921
29	0.225	8.615	88.577	49.851
30	0	8.615	100.769	49.851
30	0.225	8.615	100.769	72.524

Escala 1 : 43.6
Section force, Hipótesi 8 (Tren UIC71 + UIC71), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 5.00E-03
  min: -8.45E+01 max: 7.25E+01 [kNm]
- Text Moment My [kNm]



6.82	32.3
6.97	6.9
7.12	1.6

Escala 1 : 46.4
Sec. long. "A1" B= 1.00m : 6.45 13.82.. 13.57 13.82
Momentos placa: [kNm] "Gradiente térmico" (F03)
Hipótesis 7
Fac. de amp.: 0.02000

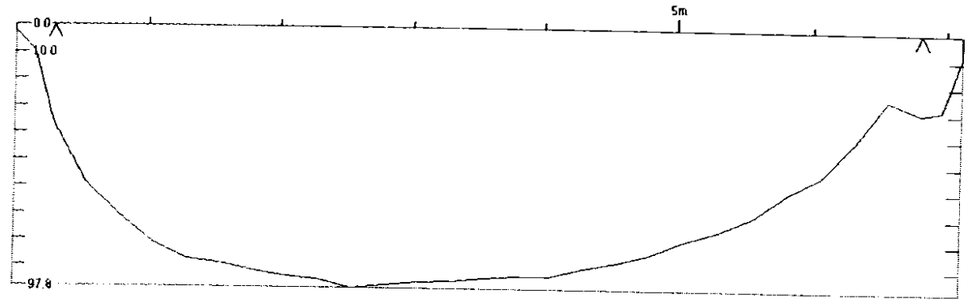


Momentos: Sección "A0" Sección long., ancho 1.00
"Gradiente térmico" (F03)
Cordenadas de la sección: 0.23, 0.50.. 7.35, 0.50

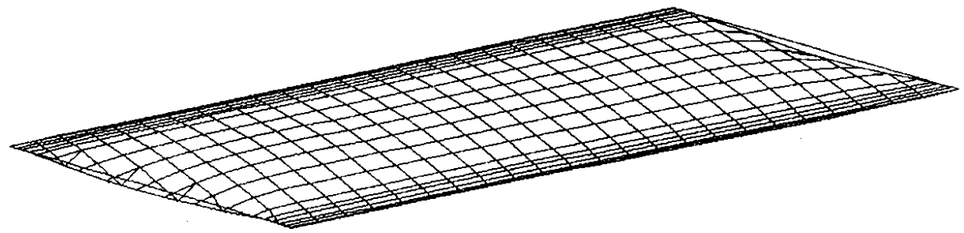
Distancia [m]	Mom [kNm]
0.00	2.0
0.15	9.8
0.30	36.2
0.55	58.8
0.80	70.9
1.05	81.0
1.30	87.1
1.55	88.7
1.80	91.4
2.06	93.2
2.31	94.5
2.56	97.8
2.81	96.5
3.06	95.4
3.31	95.0
3.56	93.9
3.81	92.9
4.06	93.0
4.31	89.7
4.56	87.6
4.81	84.3
5.06	79.1
5.32	75.3

5.57	69.9
5.82	60.8
6.07	53.9
6.32	41.3
6.57	24.8
6.82	29.6
6.97	28.4
7.12	8.2

Escala 1 : 46.4
Sec. long. "A0" B= 1.00m : 0.23 0.50.. 7.35 0.50
Momentos placa: [kNm] "Gradiente térmico" (F03)
Hipótesis 7
Fac. de amp.: 0.02000



Escala 1 : 127.2
DESPLAZAMIENTOS "Gradiente térmico" (F03)
Hipótesis 7
- Pos. deformada, ampliación= 1008.2, xp=-0.7 yp=1.0 zp=-0.5
- Planta sin deformaciones



FHECOR - Ingenieros Consultores
Programa LST3 - Posprocesador para el cálculo de pilas de viaductos
con STATIK2 (V. 3.1)

M-50. Viaducto Ramal-1 enlace con la A-5. I.

DESPLAZAMIENTOS HORIZONTALES

apoyo	dir	pret. [cm]	reol. [cm]	temp. [cm]	frenado [cm]	total [cm]
E-1	long	4.521	21.302	-5.533	2.200	33.556
	trans	0.012	0.058	-0.015	0.006	0.091
P-1	long	4.235	19.953	-5.183	2.200	31.570
	trans	0.023	-0.068	0.018	-0.010	0.119
P-2	long	3.823	18.025	-4.682	2.200	28.729
	trans	0.073	-0.102	0.026	-0.014	0.214
P-3	long	3.273	15.442	-4.011	2.198	24.924
	trans	0.110	-0.146	0.038	-0.015	0.309
P-4	long	2.720	12.863	-3.341	2.195	21.119
	trans	0.126	-0.165	0.043	0.005	0.339
P-5	long	2.167	10.291	-2.673	2.189	17.320
	trans	0.114	-0.236	0.061	0.055	0.467
P-6	long	1.618	7.732	-2.008	2.177	13.534
	trans	0.091	-0.279	0.073	0.122	0.564
P-7	long	1.072	5.179	-1.345	2.160	9.756
	trans	0.059	-0.299	0.078	0.177	0.613
P-8	long	0.510	2.508	-0.651	2.149	5.817
	trans	0.003	-0.430	0.112	0.154	0.699
P-9	long	-0.048	-0.175	0.046	2.147	2.415
	trans	-0.039	-0.542	0.141	0.070	0.792
P-10	long	-0.655	-3.091	0.803	2.147	6.696
	trans	-0.025	-0.505	0.131	-0.016	0.677
P-11	long	-1.280	-6.099	1.584	2.148	11.112
	trans	0.066	-0.244	0.063	-0.117	0.491
P-12	long	-1.908	-9.112	2.367	2.154	15.541
	trans	0.229	0.321	-0.083	-0.224	0.857
P-13	long	-2.436	-11.567	3.005	2.173	19.180
	trans	0.283	0.514	-0.133	-0.198	1.128
P-14	long	-3.045	-14.371	3.733	2.194	23.342
	trans	0.207	0.332	-0.086	-0.086	0.711
P-15	long	-3.638	-17.139	4.452	2.199	27.428
	trans	-0.103	-0.307	0.080	0.040	0.530
P-16	long	-4.110	-19.359	5.028	2.200	30.697
	trans	-0.068	-0.312	0.081	0.030	0.491
E-2	long	-4.491	-21.135	5.490	2.200	33.315
	trans	-0.025	-0.116	0.030	0.012	0.183

Ebene (2-D) Rahmen-Berechnung

****
* STRUKTUR - DATEN *
****

Projekttitel: T.A.V. Madrid-Barcelona. Accesos a Zaragoza

K N O T E N D A T E N : (29 Knoten)

Knoten	X [M]	Y [M]	Z [M]	Lager V XYZ	Lager R XYZ	Spezielles
1	0.000000	0.000000	0.000000	B S	F	
2	5.850000	0.000000	0.000000	F S	F	
3	0.000000	0.000000	1.389250			
4	5.850000	0.000000	1.389250			
5	0.225000	0.000000	0.000000	F S	F	
6	0.450000	0.000000	0.000000	F S	F	
7	0.675000	0.000000	0.000000	F S	F	
8	0.900000	0.000000	0.000000	F S	F	
9	1.125000	0.000000	0.000000	F S	F	
10	1.350000	0.000000	0.000000	F S	F	
11	1.575000	0.000000	0.000000	F S	F	
12	1.800000	0.000000	0.000000	F S	F	
13	2.025000	0.000000	0.000000	F S	F	
14	2.250000	0.000000	0.000000	F S	F	
15	2.475000	0.000000	0.000000	F S	F	
16	2.700000	0.000000	0.000000	F S	F	
17	2.925000	0.000000	0.000000	F S	F	
18	3.150000	0.000000	0.000000	F S	F	
19	3.375000	0.000000	0.000000	F S	F	
20	3.600000	0.000000	0.000000	F S	F	
21	3.825000	0.000000	0.000000	F S	F	
22	4.050000	0.000000	0.000000	F S	F	
23	4.275000	0.000000	0.000000	F S	F	
24	4.500000	0.000000	0.000000	F S	F	
25	4.725000	0.000000	0.000000	F S	F	
26	4.950000	0.000000	0.000000	F S	F	
27	5.175000	0.000000	0.000000	F S	F	
28	5.400000	0.000000	0.000000	F S	F	
29	5.625000	0.000000	0.000000	F S	F	

ELASTISCH GESTUETZTE KNOTEN: ("B"=Blockiert "F"=Frei)

Knoten	V-X [KN/M]	V-Y [KN/M]	V-Z [KN/M]	R-X [KNM/ARC]	R-Y [KNM/ARC]	R-Z [KNM/ARC]
1	B		2.250E+04		F	
2	F		2.250E+04		F	
5	F		2.250E+04		F	
6	F		2.250E+04		F	
7	F		2.250E+04		F	
8	F		2.250E+04		F	
9	F		2.250E+04		F	
10	F		2.250E+04		F	
11	F		2.250E+04		F	
12	F		2.250E+04		F	
13	F		2.250E+04		F	
14	F		2.250E+04		F	
15	F		2.250E+04		F	
16	F		2.250E+04		F	
17	F		2.250E+04		F	
18	F		2.250E+04		F	
19	F		2.250E+04		F	
20	F		2.250E+04		F	
21	F		2.250E+04		F	
22	F		2.250E+04		F	
23	F		2.250E+04		F	
24	F		2.250E+04		F	
25	F		2.250E+04		F	
26	F		2.250E+04		F	
27	F		2.250E+04		F	
28	F		2.250E+04		F	
29	F		2.250E+04		F	

S T A B D A T E N : (29 Staebe)

Stab	Incidencen Anfang	Ende	Stablaenge [M]	QS-Name (Vouten)	Gelenke Anfang	Ende	Spezielles
2*	1	3	1.389250	SECUNIT			oS
3*	4	2	1.389250	SECUNIT			oS
4	3	4	5.850000	SECUNIT			oS
5	1	5	0.225000	SECUNIT			oS
6	5	6	0.225000	SECUNIT			oS
7	6	7	0.225000	SECUNIT			oS
8	7	8	0.225000	SECUNIT			oS
9	8	9	0.225000	SECUNIT			oS
10	9	10	0.225000	SECUNIT			oS
11	10	11	0.225000	SECUNIT			oS
12	11	12	0.225000	SECUNIT			oS
13	12	13	0.225000	SECUNIT			oS
14	13	14	0.225000	SECUNIT			oS
15	14	15	0.225000	SECUNIT			oS
16	15	16	0.225000	SECUNIT			oS
17	16	17	0.225000	SECUNIT			oS
18	17	18	0.225000	SECUNIT			oS
19	18	19	0.225000	SECUNIT			oS

Stab	Incidencen Anfang	Ende	Stablaenge [M]	QS-Name (Vouten)	Gelenke Anfang	Ende	Spezielles
20	19	20	0.225000	SECUNIT			oS
21	20	21	0.225000	SECUNIT			oS
22	21	22	0.225000	SECUNIT			oS
23	22	23	0.225000	SECUNIT			oS
24	23	24	0.225000	SECUNIT			oS
25	24	25	0.225000	SECUNIT			oS
26	25	26	0.225000	SECUNIT			oS
27	26	27	0.225000	SECUNIT			oS
28	27	28	0.225000	SECUNIT			oS
29	28	29	0.225000	SECUNIT			oS
30	29	2	0.225000	SECUNIT			oS

Die mit "*" markierten Stäbe sind (ohne allf. Exzentr.) vertikal.
Für die Default-Richtungen des lokalen Koordinatensystems gilt die entsprechende Spezial-Definition.

oS = Stäbe ohne Schubverformung

QUERSCHNITTSWERTE:

QS-Name	Ax [M2] zu [M1]	Iy [M4] zo [M1]	Fz [M2]
SECUNIT	6.0000E-01	1.8000E-02	5.0000E-01
	-0.3000	0.3000	

MATERIALEIGENSCHAFTEN:

Stab (bis Stab)	E-Modul [KN/ M2]	G-Modul [KN/ M2]
2 .. 30	2.7000E+07	1.0400E+07

STS-Lauf ok

Lastfall 1: Peso propio

Lasttyp	Wert (a)	Distanz Wert (b)	Knoten-/Stabnummern
Raumkr. Z gl glchm.	-25.000		Stab 2 .. 30

Lastfall 2: Carga uniforme unitaria

Lasttyp	Wert (a)	Distanz Wert (b)	Knoten-/Stabnummern
Kraft Z gl glchm.	-1.000		Stab 4

Lastfall 3: Tren A unitario

Lasttyp	Wert (a)	Distanz Wert (b)	Knoten-/Stabnummern
Kraft Z gl konz.	-1.000	2.925	Stab 4
Kraft Z gl konz.	-1.000	1.425	Stab 4
Kraft Z gl konz.	-1.000	4.425	Stab 4

Lastfall 4: Tren UIC unitario .

Lasttyp	Wert (a)	Distanz Wert (b)	Knoten-/Stabnummern
Kraft Z gl konz.	-1.000	0.525000	Stab 4
Kraft Z gl konz.	-1.000	2.125	Stab 4
Kraft Z gl konz.	-1.000	3.725	Stab 4
Kraft Z gl konz.	-1.000	5.325	Stab 4

Lastfall 5: Carga muerta

Lasttyp	Wert (a)	Distanz Wert (b)	Knoten-/Stabnummern
Kraft Z gl glchm.	-12.910		Stab 4

Lastfall 6: Tren A

Lasttyp	Wert (a)	Distanz Wert (b)	Knoten-/Stabnummern
Kraft Z gl konz.	-57.220	1.425	Stab 4
Kraft Z gl konz.	-57.220	2.925	Stab 4
Kraft Z gl konz.	-57.220	4.425	Stab 4

Lastfall 7: Tren B

Lasttyp	Wert (a)	Distanz Wert (b)	Knoten-/Stabnummern	
Kraft Z gl glchm.	-24.190		Stab	4

Lastfall 8: Tren UIC71 + UIC71

Lasttyp	Wert (a)	Distanz Wert (b)	Knoten-/Stabnummern	
Kraft Z gl konz.	-56.790	0.525000	Stab	4
Kraft Z gl konz.	-56.790	2.125	Stab	4
Kraft Z gl konz.	-56.790	3.725	Stab	4
Kraft Z gl konz.	-56.790	5.325	Stab	4

Lastfall 9: Tren SW2 + UIC71

Lasttyp	Wert (a)	Distanz Wert (b)	Knoten-/Stabnummern	
Kraft Z gl glchm.	-31.430		Stab	4

Lastfall 10: Empuje lado 1 const. Reposo.

Lasttyp	Wert (a)	Distanz Wert (b)	Knoten-/Stabnummern	
Kraft X gl trapez.	0	-13.900		
von...bis	0	1.389	Stab	3

Lastfall 11: Empuje lado 2 const. Reposo.

Lasttyp	Wert (a)	Distanz Wert (b)	Knoten-/Stabnummern	
Kraft X gl trapez.	13.900	0		
von...bis	3.8E-0008	1.389	Stab	2



5.4 Listado de hipótesis individuales

A continuación se adjuntan los esfuerzos, deformaciones y reacciones debidas a las hipótesis individuales, obtenidas en el modelo de cálculo correspondiente al pórtico plano.

Estos listados tienen como fin permitir la comprobación de los cálculos por personas ajenas al proyecto.

HIPOTESIS PARA MODELO DE PÓRTICO PLANO

CARGA MUERTA

$M^{+}_{M.L} = 26'2$ kNm (procedente del modelo losa de elementos finitos)

$M^{+}_{MP.} = 2'03$ kNm (procedente de una carga $q = 1$ kN/m del modelo portico)

$M^{-}_{MP} = -1'349$ kNm/m (" " ")

Se obtiene el coeficiente que relaciona M_{ML} y M_{MP}

$$M^{+}_{ML} = k \; M^{+}_{MP}$$

$$k = \frac{26'2}{2'03} = 12'91$$

y por lo tanto la carga que aplicaremos como hipótesis será:

$$q = 12'91 \text{ kN/m}$$

TREN TIPO A

$M^{+}_{ML} = 83'2$ kNm

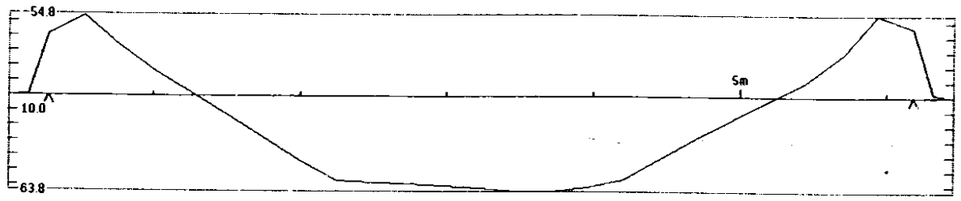
$M^{+}_{MP} = 1'454$ kNm

$$M^{+}_{ML} = k \cdot M^{+}_{MP} \rightarrow k = \frac{83'2}{1'454} = 57'22$$

$$P = 57'22 \text{ kN}$$

0.27	-41.6
0.52	-53.4
0.76	-33.1
1.01	-16.6
1.26	-1.9
1.50	13.1
1.75	28.0
2.00	42.6
2.24	56.5
2.49	57.9
2.73	58.8
2.98	59.9
3.23	61.3
3.47	63.8
3.72	63.5
3.96	60.4
4.21	55.5
4.46	41.5
4.70	27.9
4.95	15.3
5.20	2.7
5.44	-9.9
5.69	-28.5
5.93	-54.8
6.18	-46.0
6.32	-1.8
6.45	0.3

Escala 1 : 42.1
Sec. long. "A3" B= 1.00m : 2.93 6.29.. 8.78 3.56
Momentos placa: [kNm] "SW2 y UIC71" (F03)
Hipótesis 6
Fac. de amp.: 0.01000

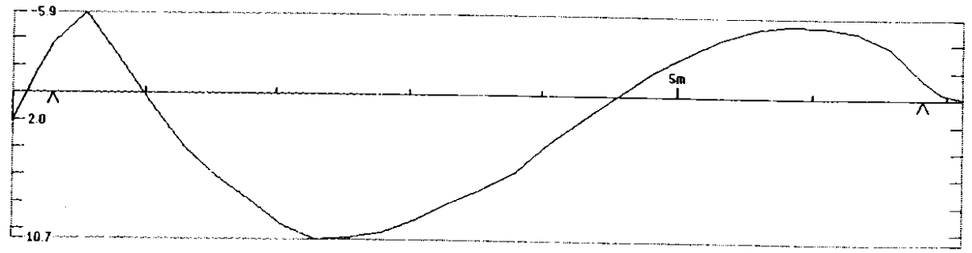


Momentos: Sección "A1" Sección long., ancho 1.00
"SW2 y UIC71" (F03)
Cordenadas de la sección: 6.45, 13.82.. 13.57, 13.82

Distancia [m]	Mom [kNm]
-0.00	2.1
0.15	-1.0

0.30	-3.7
0.55	-5.9
0.80	-2.5
1.05	0.9
1.30	4.0
1.55	6.1
1.80	7.9
2.06	9.7
2.31	10.7
2.56	10.5
2.81	10.2
3.06	9.2
3.31	7.9
3.56	6.9
3.81	5.7
4.06	3.5
4.31	1.6
4.56	-0.1
4.81	-1.8
5.06	-3.1
5.32	-4.2
5.57	-5.0
5.82	-5.4
6.07	-5.3
6.32	-4.9
6.57	-3.8
6.82	-1.4
6.97	-0.4
7.12	-0.1

Escala 1 : 46.4
Sec. long. "A1" B= 1.00m : 6.45 13.82.. 13.57 13.82
Momentos placa: [kNm] "SW2 y UIC71" (F03)
Hipótesis 6
Fac. de amp.: 0.10000

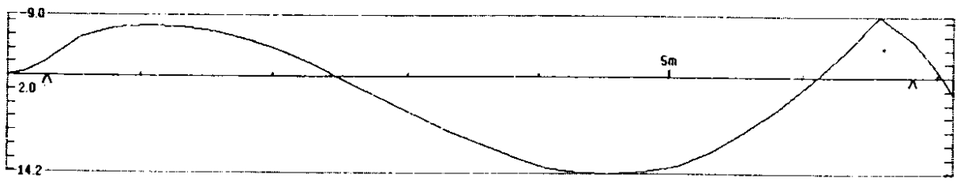


Momentos: Sección "A0" Sección long., ancho 1.00
"SW2 y UIC71" (F03)
Cordenadas de la sección: 0.23, 0.50.. 7.35, 0.50

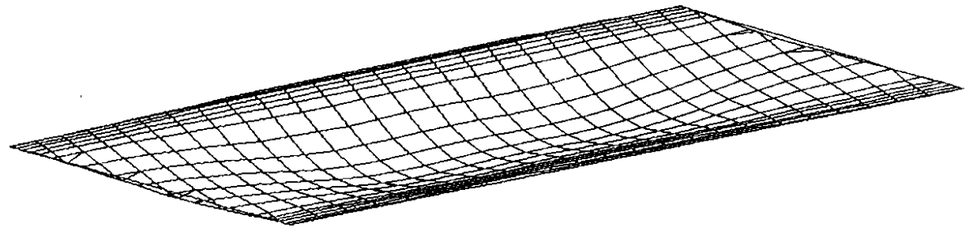
Distancia [m]	Mom [kNm]

0.00	-0.1
0.15	-0.7
0.30	-2.2
0.55	-5.7
0.80	-7.1
1.05	-7.4
1.30	-7.2
1.55	-6.6
1.80	-5.3
2.06	-3.7
2.31	-1.8
2.56	0.9
2.81	3.2
3.06	5.6
3.31	8.0
3.56	9.9
3.81	11.7
4.06	13.4
4.31	14.0
4.56	14.2
4.81	13.9
5.06	13.1
5.32	11.0
5.57	8.0
5.82	4.7
6.07	0.6
6.32	-3.9
6.57	-9.0
6.82	-5.3
6.97	-2.0
7.12	2.3

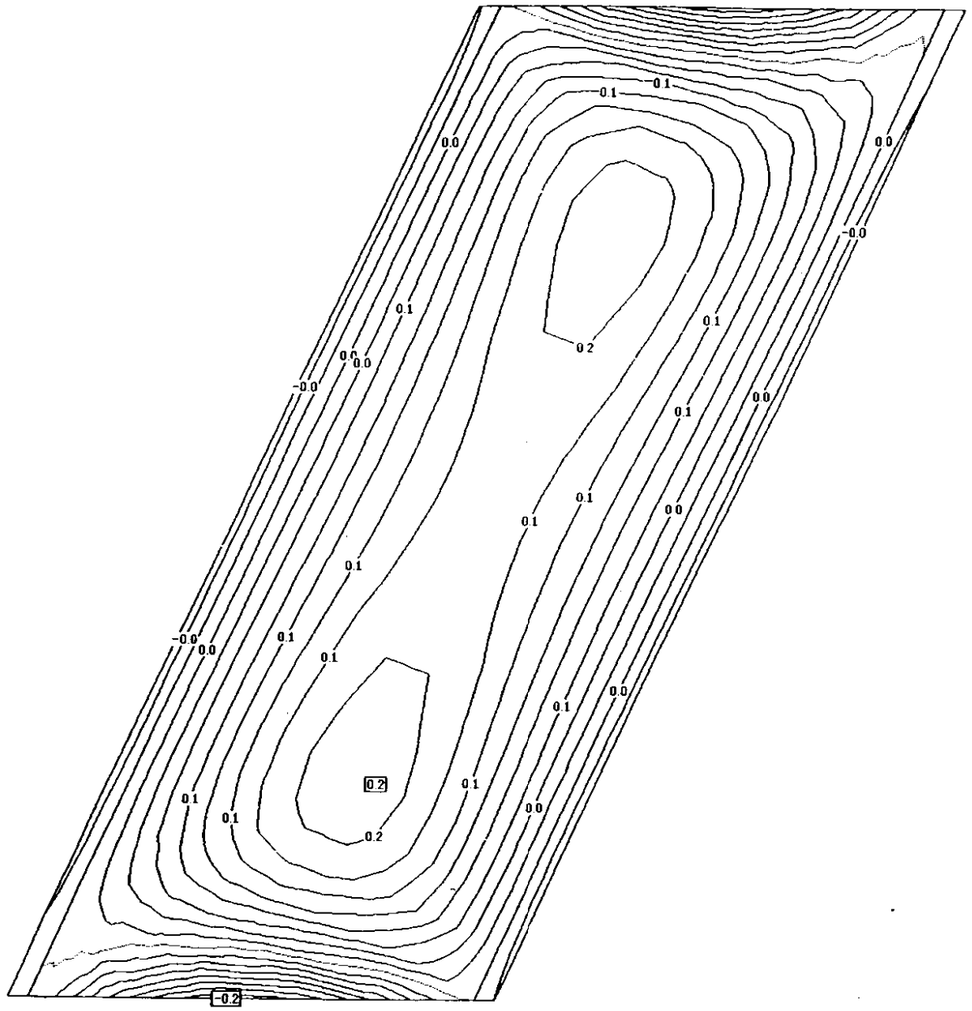
Escala 1 : 46.4
Sec. long. "A0" B= 1.00m : 0.23 0.50.. 7.35 0.50
Momentos placa: [kNm] "SW2 y UIC71" (F03)
Hipótesis 6
Fac. de amp.: 0.05000



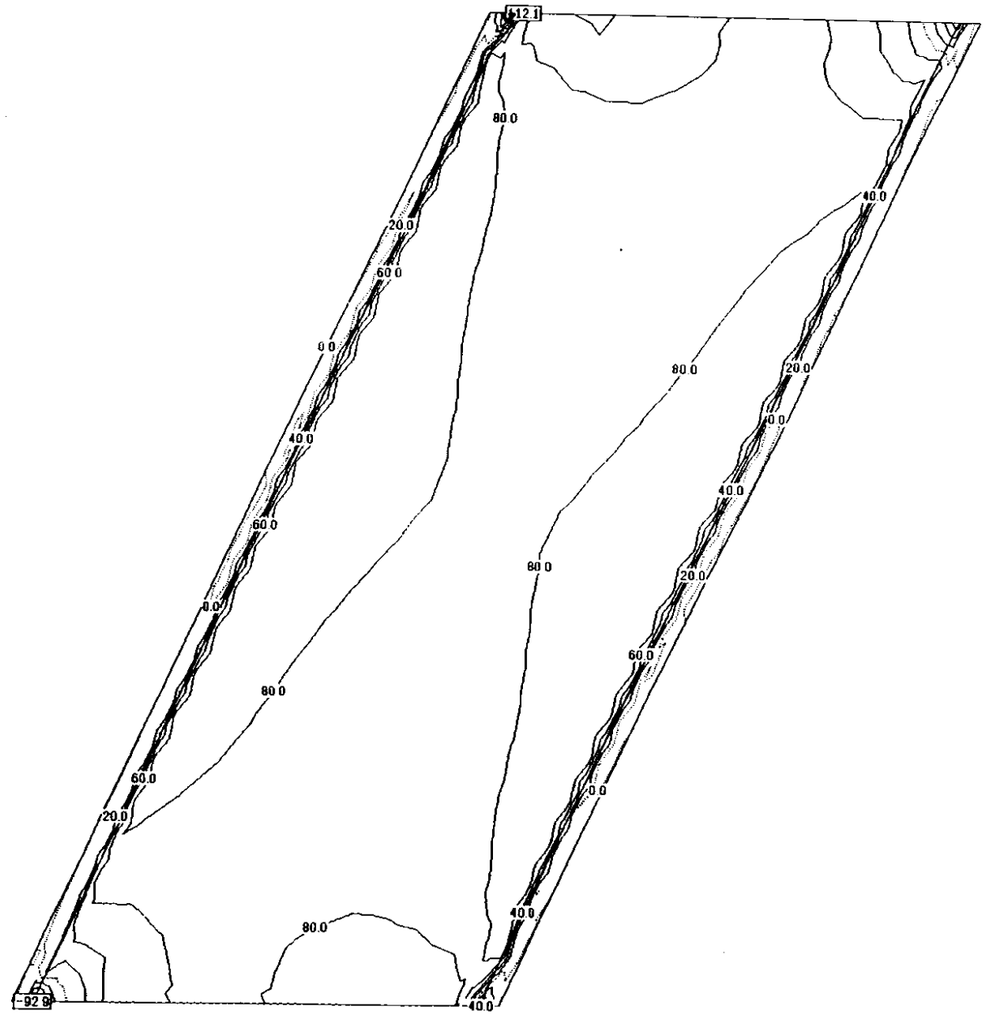
Escala 1 : 127.2
DESPLAZAMIENTOS "SW2 y UIC71" (F03)
Hipótesis 6
- Pos. deformada, ampliación= 1960.2, xp=-0.7 yp=1.0 zp=-0.5
- Planta sin deformaciones



Escala 1 : 90.0
DESPLAZAMIENTOS [mm] "Gradiente térmico" (F03)
Hipótesis 7
- Deformaciones DZ, Equidist= 0.020 [mm]



Escala 1 : 90.0
Momentos placa [kNm/m] "Gradiente térmico" (F03)
Hipótesis 7
- Momentos MX [kNm/m] ,Dir-X= -25.00 Grados

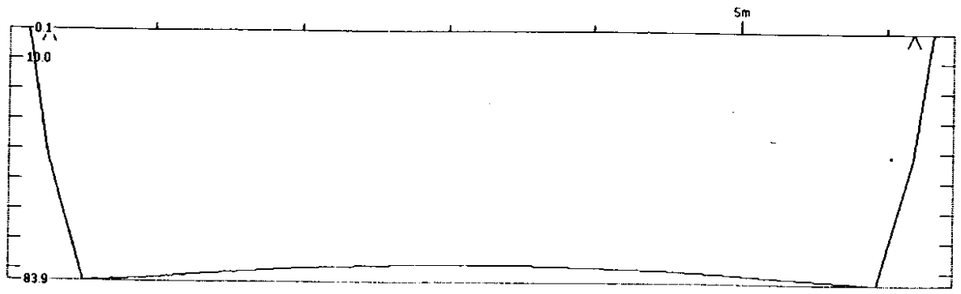


Momentos: Sección "A4" Sección long., ancho 1.00
"Gradiente térmico" (F03)
Cordenadas de la sección: 4.87, 10.45.. 10.72, 7.72

Distancia [m]	Mom [kNm]
-0.00	0.0

0.14	-0.1
0.27	42.3
0.52	83.9
0.76	83.1
1.01	82.2
1.26	81.4
1.50	80.5
1.75	79.9
2.00	79.3
2.24	78.7
2.49	78.4
2.73	78.1
2.98	78.0
3.23	78.0
3.47	78.1
3.72	78.3
3.96	78.7
4.21	79.1
4.46	79.6
4.70	80.2
4.95	80.9
5.20	81.6
5.44	82.3
5.69	83.1
5.93	83.8
6.18	42.2
6.32	-0.1
6.45	0.0

Escala 1 : 42.1
Sec. long. "A4" B= 1.00m : 4.87 10.45.. 10.72 7.72
Momentos placa: [kNm] "Gradiente térmico" (F03)
Hipótesis 7
Fac. de amp.: 0.02000

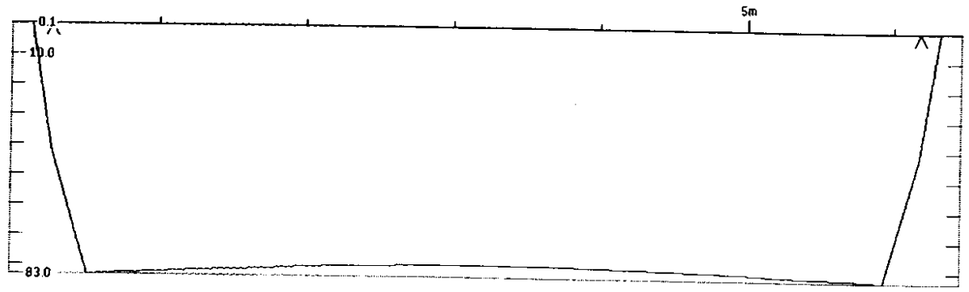


Momentos: Sección "A2" Sección long., ancho 1.00
"Gradiente térmico" (F03)
Cordenadas de la sección: 4.49, 9.62.. 10.33, 6.89

Distancia	Mom

[m]	[kNm]
-0.00	-0.0
0.14	-0.1
0.27	41.6
0.52	83.0
0.76	82.5
1.01	82.0
1.26	81.5
1.50	80.9
1.75	80.5
2.00	80.0
2.24	79.6
2.49	79.4
2.73	79.2
2.98	79.0
3.23	79.0
3.47	79.1
3.72	79.2
3.96	79.5
4.21	79.7
4.46	80.2
4.70	80.6
4.95	81.0
5.20	81.5
5.44	82.0
5.69	82.5
5.93	82.9
6.18	41.6
6.32	-0.1
6.45	0.1

Escala 1 : 42.1
Sec. long. "A2" B= 1.00m : 4.49 9.62.. 10.33 6.89
Momentos placa: [kNm] "Gradiente térmico" (F03)
Hipótesis 7
Fac. de amp.: 0.02000

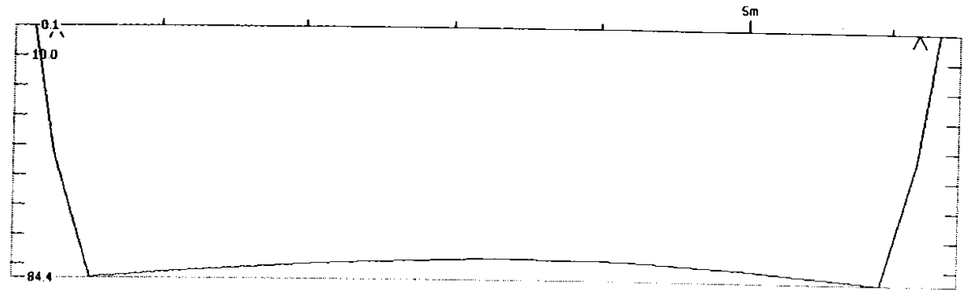


Momentos: Sección "A3" Sección long., ancho 1.00
"Gradiente térmico" (F03)

Cordenadas de la sección: 2.93, 6.29.. 8.78, 3.56

Distancia [m]	Mom [kNm]
0.00	0.1
0.14	-0.1
0.27	42.5
0.52	84.2
0.76	83.3
1.01	82.5
1.26	81.6
1.50	80.8
1.75	80.0
2.00	79.4
2.24	78.7
2.49	78.3
2.73	77.9
2.98	77.6
3.23	77.5
3.47	77.4
3.72	77.6
3.96	77.9
4.21	78.2
4.46	78.8
4.70	79.5
4.95	80.3
5.20	81.3
5.44	82.3
5.69	83.4
5.93	84.4
6.18	42.6
6.32	-0.1
6.45	0.0

Escala 1 : 42.1
Sec. long. "A3" B= 1.00m : 2.93 6.29.. 8.78 3.56
Momentos placa: [kNm] "Gradiente térmico" (F03)
Hipótesis 7
Fac. de amp.: 0.02000



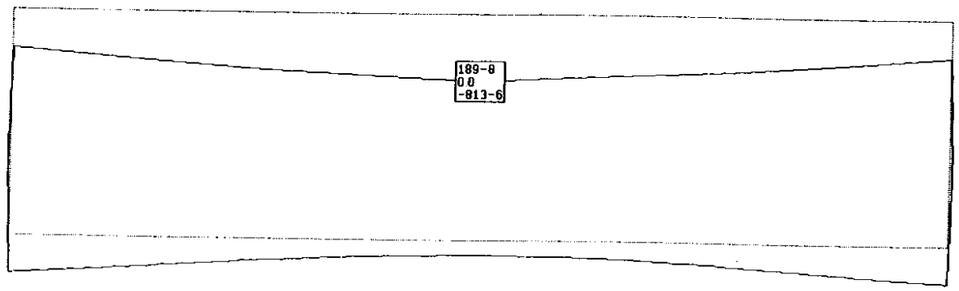
Momentos: Sección "A1" Sección long., ancho 1.00
"Gradiente térmico" (F03)
Cordenadas de la sección: 6.45, 13.82.. 13.57, 13.82

Distancia [m]	Mom [kNm]
-0.00	7.3
0.15	28.7
0.30	34.8
0.55	24.3
0.80	42.8
1.05	54.9
1.30	62.3
1.55	72.4
1.80	79.4
2.06	79.5
2.31	82.4
2.56	87.3
2.81	89.5
3.06	92.9
3.31	95.0
3.56	94.4
3.81	94.4
4.06	95.9
4.31	95.7
4.56	95.7
4.81	95.0
5.06	94.3
5.32	92.7
5.57	89.2
5.82	85.1
6.07	80.5
6.32	71.6
6.57	60.0

BELASTUNG: 'Tren SW2 + UIC 71'

Lastfall	Faktor	Bauzustd. Vorv.	Titel
9	1.0000		Tren SW2 + UIC71

Escala 1 : 38.4
Deformed structure, Hipótesi 9 (Tren SW2 + UIC 71), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 5.0E2
- V-Max , Text: Vx,Vy,Vz [N]



ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
2	0	-91.933	-10.462	-58.463
2	1.389	-91.933	-10.462	-72.998
3	0	-91.933	10.462	-72.998
3	1.389	-91.933	10.462	-58.463
4	0	-10.462	91.933	-72.998
4	1.462	-10.462	45.966	27.841
4	2.925	-10.462	1.94E-12	61.454
4	4.387	-10.462	-45.966	27.841
4	5.850	-10.462	-91.933	-72.998
5	0	10.462	-81.543	58.463
5	0.225	10.462	-81.543	40.116
6	0	10.462	-71.659	40.116
6	0.225	10.462	-71.659	23.993
7	0	10.462	-62.376	23.993
7	0.225	10.462	-62.376	9.958
8	0	10.462	-53.750	9.958
8	0.225	10.462	-53.750	-2.136

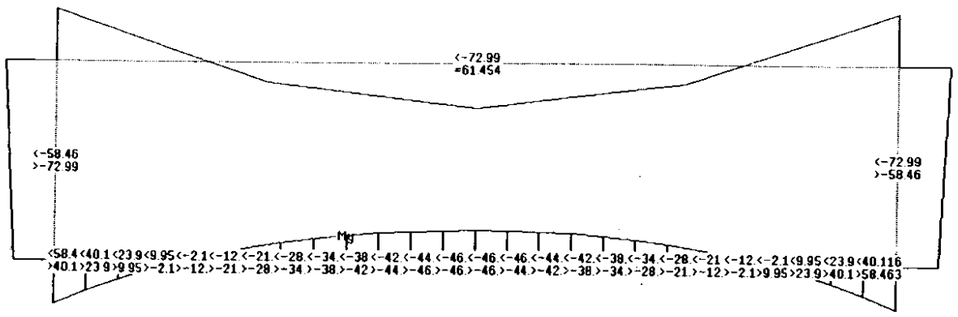
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
9	0	10.462	-45.806	-2.136
9	0.225	10.462	-45.806	-12.442
10	0	10.462	-38.540	-12.442
10	0.225	10.462	-38.540	-21.113
11	0	10.462	-31.922	-21.113
11	0.225	10.462	-31.922	-28.296
12	0	10.462	-25.904	-28.296
12	0.225	10.462	-25.904	-34.124
13	0	10.462	-20.420	-34.124
13	0.225	10.462	-20.420	-38.719
14	0	10.462	-15.391	-38.719
14	0.225	10.462	-15.391	-42.182
15	0	10.462	-10.727	-42.182
15	0.225	10.462	-10.727	-44.595
16	0	10.462	-6.328	-44.595
16	0.225	10.462	-6.328	-46.019
17	0	10.462	-2.091	-46.019
17	0.225	10.462	-2.091	-46.490
18	0	10.462	2.091	-46.490
18	0.225	10.462	2.091	-46.019
19	0	10.462	6.328	-46.019
19	0.225	10.462	6.328	-44.595
20	0	10.462	10.727	-44.595
20	0.225	10.462	10.727	-42.182
21	0	10.462	15.391	-42.182
21	0.225	10.462	15.391	-38.719
22	0	10.462	20.420	-38.719
22	0.225	10.462	20.420	-34.124
23	0	10.462	25.904	-34.124
23	0.225	10.462	25.904	-28.296
24	0	10.462	31.922	-28.296
24	0.225	10.462	31.922	-21.113
25	0	10.462	38.540	-21.113
25	0.225	10.462	38.540	-12.442
26	0	10.462	45.806	-12.442
26	0.225	10.462	45.806	-2.136

ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
27	0	10.462	53.750	-2.136
27	0.225	10.462	53.750	9.958
28	0	10.462	62.376	9.958
28	0.225	10.462	62.376	23.993
29	0	10.462	71.659	23.993
29	0.225	10.462	71.659	40.116
30	0	10.462	81.543	40.116
30	0.225	10.462	81.543	58.463

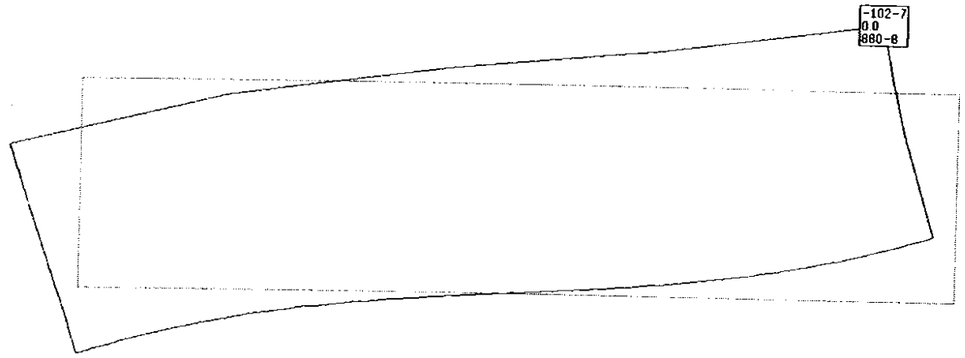
Escala 1 : 42.9
Section force, Hipótesi 9 (Tren SW2 + UIC 71), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 5.00E-03
  min: -7.30E+01 max: 6.15E+01 [kNm]
- Text Moment My [kNm]



BELASTUNG: 'Empuje lado 1 const.Reposo.'

Lastfall	Faktor	Bauzustd. Vorv.	Titel
10	1.0000		Empuje lado 1 const. Reposo.

Escala 1 : 41.2
Deformed structure, Hipótesi 10 (Empuje lado 1 const.Reposo.), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 5.0E4
- V-Max , Text: Vx,Vy,Vz [M]



ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
2	0	-0.335309	-1.775	1.263
2	1.389	-0.335309	-1.775	-1.202
3	0	0.335309	1.775	0.759411
3	0.347	0.335309	1.171	1.306
3	0.695	0.335309	-0.639027	1.433
3	1.042	0.335309	-3.656	0.722348
3	1.389	0.335309	-7.880	-1.246
4	0	-1.775	0.335309	-1.202
4	5.850	-1.775	0.335309	0.759411
5	0	-7.880	-0.136562	-1.263
5	0.225	-7.880	-0.136562	-1.294
6	0	-7.880	0.032133	-1.294
6	0.225	-7.880	0.032133	-1.287
7	0	-7.880	0.173797	-1.287
7	0.225	-7.880	0.173797	-1.248

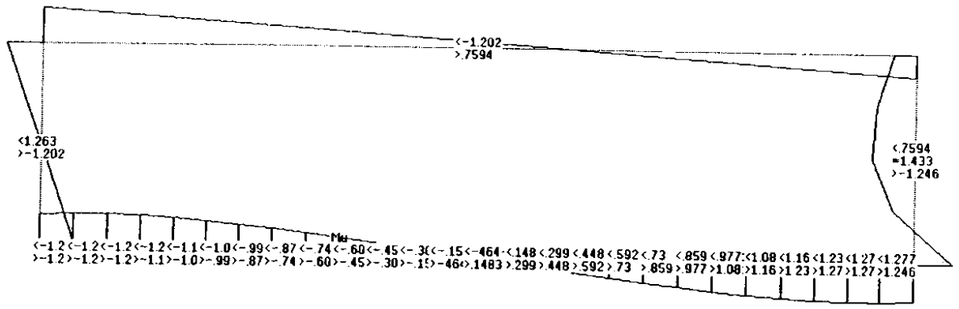
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
8	0	-7.880	0.291433	-1.248
8	0.225	-7.880	0.291433	-1.182
9	0	-7.880	0.387956	-1.182
9	0.225	-7.880	0.387956	-1.095
10	0	-7.880	0.466127	-1.095
10	0.225	-7.880	0.466127	-0.990142
11	0	-7.880	0.528508	-0.990142
11	0.225	-7.880	0.528508	-0.871227
12	0	-7.880	0.577412	-0.871227
12	0.225	-7.880	0.577412	-0.741310
13	0	-7.880	0.614877	-0.741310
13	0.225	-7.880	0.614877	-0.602962
14	0	-7.880	0.642638	-0.602962
14	0.225	-7.880	0.642638	-0.458369
15	0	-7.880	0.662106	-0.458369
15	0.225	-7.880	0.662106	-0.309395
16	0	-7.880	0.674352	-0.309395
16	0.225	-7.880	0.674352	-0.157666
17	0	-7.880	0.680102	-0.157666
17	0.225	-7.880	0.680102	-0.004643
18	0	-7.880	0.679723	-0.004643
18	0.225	-7.880	0.679723	0.148295
19	0	-7.880	0.673228	0.148295
19	0.225	-7.880	0.673228	0.299771
20	0	-7.880	0.660268	0.299771
20	0.225	-7.880	0.660268	0.448332
21	0	-7.880	0.640144	0.448332
21	0.225	-7.880	0.640144	0.592364
22	0	-7.880	0.611804	0.592364
22	0.225	-7.880	0.611804	0.730020
23	0	-7.880	0.573864	0.730020
23	0.225	-7.880	0.573864	0.859139
24	0	-7.880	0.524616	0.859139
24	0.225	-7.880	0.524616	0.977178
25	0	-7.880	0.462051	0.977178
25	0.225	-7.880	0.462051	1.081

ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
26	0	-7.880	0.383884	1.081
26	0.225	-7.880	0.383884	1.168
27	0	-7.880	0.287588	1.168
27	0.225	-7.880	0.287588	1.232
28	0	-7.880	0.170435	1.232
28	0.225	-7.880	0.170435	1.271
29	0	-7.880	0.029547	1.271
29	0.225	-7.880	0.029547	1.277
30	0	-7.880	-0.138041	1.277
30	0.225	-7.880	-0.138041	1.246

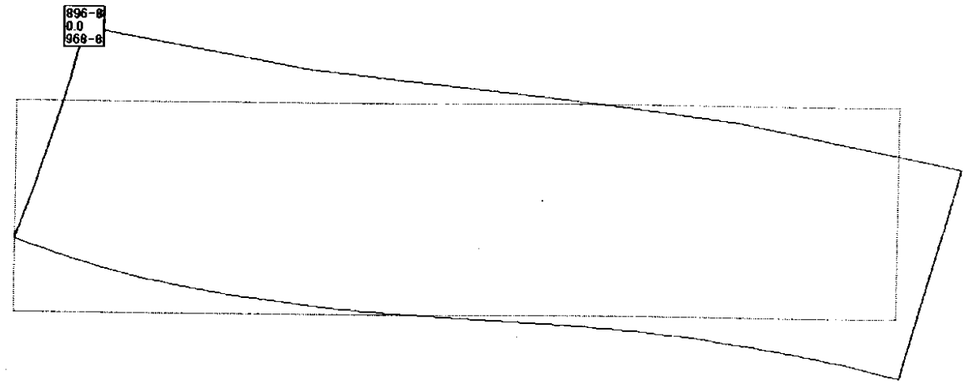
Escala 1 : 41.3
Section force, Hipótesi 10 (Empuje lado 1 const.Reposo.), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 2.00E-01
  min: -1.29E+00 max: 1.43E+00 [kNm]
- Text Moment My [kNm]



BELASTUNG: 'Empuje lado 2 const. Reposo.'

Lastfall	Faktor	Bauzustd.	Vorv.	Titel
11	1.0000			Empuje lado 2 const. Reposo.

Escala 1 : 40.9
Deformed structure, Hipótesi 11 (Empuje lado 2 const. Reposo.), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 5.0E4
- V-Max , Text: Vx,Vy,Vz [M]



ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
2	0	0.335309	8.182	-1.480
2	0.347	0.335309	3.957	0.593360
2	0.695	0.335309	0.940124	1.409
2	1.042	0.335309	-0.870242	1.386
2	1.389	0.335309	-1.474	0.944148
3	0	-0.335309	1.474	-1.017
3	1.389	-0.335309	1.474	1.030
4	0	-1.474	-0.335309	0.944148
4	5.850	-1.474	-0.335309	-1.017
5	0	1.474	0.118114	1.480
5	0.225	1.474	0.118114	1.506
6	0	1.474	-0.064398	1.506
6	0.225	1.474	-0.064398	1.492
7	0	1.474	-0.215742	1.492
7	0.225	1.474	-0.215742	1.443

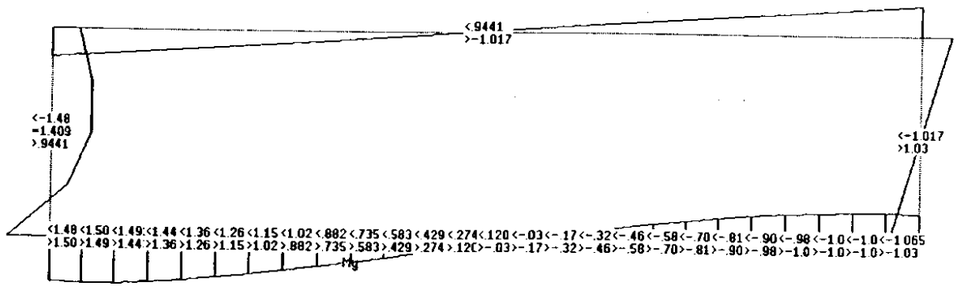
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
8	0	1.474	-0.339401	1.443
8	0.225	1.474	-0.339401	1.367
9	0	1.474	-0.438747	1.367
9	0.225	1.474	-0.438747	1.268
10	0	1.474	-0.516974	1.268
10	0.225	1.474	-0.516974	1.152
11	0	1.474	-0.577049	1.152
11	0.225	1.474	-0.577049	1.022
12	0	1.474	-0.621665	1.022
12	0.225	1.474	-0.621665	0.882151
13	0	1.474	-0.653214	0.882151
13	0.225	1.474	-0.653214	0.735178
14	0	1.474	-0.673761	0.735178
14	0.225	1.474	-0.673761	0.583582
15	0	1.474	-0.685027	0.583582
15	0.225	1.474	-0.685027	0.429451
16	0	1.474	-0.688379	0.429451
16	0.225	1.474	-0.688379	0.274566
17	0	1.474	-0.684823	0.274566
17	0.225	1.474	-0.684823	0.120481
18	0	1.474	-0.675003	0.120481
18	0.225	1.474	-0.675003	-0.031395
19	0	1.474	-0.659201	-0.031395
19	0.225	1.474	-0.659201	-0.179715
20	0	1.474	-0.637347	-0.179715
20	0.225	1.474	-0.637347	-0.323118
21	0	1.474	-0.609021	-0.323118
21	0.225	1.474	-0.609021	-0.460148
22	0	1.474	-0.573467	-0.460148
22	0.225	1.474	-0.573467	-0.589178
23	0	1.474	-0.529611	-0.589178
23	0.225	1.474	-0.529611	-0.708341
24	0	1.474	-0.476075	-0.708341
24	0.225	1.474	-0.476075	-0.815458
25	0	1.474	-0.411205	-0.815458
25	0.225	1.474	-0.411205	-0.907979

ESFUERZOS: "ALL"

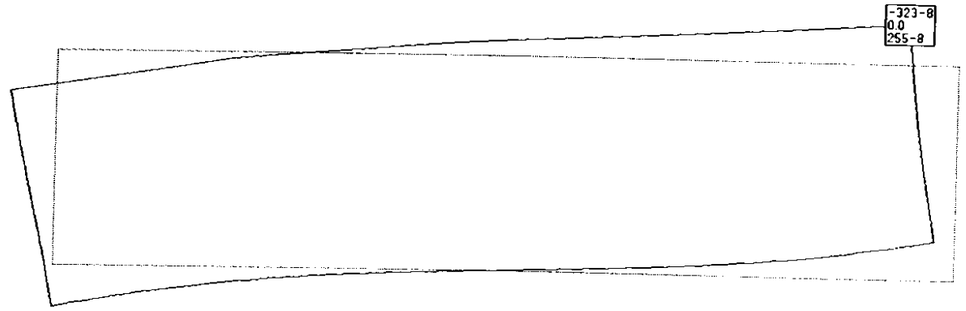
Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
26	0	1.474	-0.333093	-0.907979
26	0.225	1.474	-0.333093	-0.982925
27	0	1.474	-0.239620	-0.982925
27	0.225	1.474	-0.239620	-1.037
28	0	1.474	-0.128490	-1.037
28	0.225	1.474	-0.128490	-1.066
29	0	1.474	0.002718	-1.066
29	0.225	1.474	0.002718	-1.065
30	0	1.474	0.156490	-1.065
30	0.225	1.474	0.156490	-1.030

Escala 1 : 41.4
Section force, Hipótesi 11 (Empuje lado 2 const. Reposo.), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 2.00E-01
  min: -1.48E+00 max: 1.51E+00 [kNm]
- Text Moment My [kNm]



BELASTUNG: 'Empuje lado 1 const bajo. Repo'
Lastfall Faktor Bauzustd. Vorv. Titel
12 1.0000 Empuje lado 1 cons bajo. Repos

Escala 1 : 40.1
Deformed structure, Hipótesi 12 (Empuje lado 1 const bajo. Repo), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 1.0E5
- V-Max , Text: Vx,Vy,Vz [M]



ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
2	0	-0.090877	-0.558434	0.411090
2	1.389	-0.090877	-0.558434	-0.364715
3	0	0.090877	0.558434	0.166915
3	0.463	0.090877	0.558434	0.425247
3	0.695	0.090877	0.291188	0.534148
3	1.042	0.090877	-1.108	0.427020
3	1.389	0.090877	-3.704	-0.373923
4	0	-0.558434	0.090877	-0.364715
4	5.850	-0.558434	0.090877	0.166915
5	0	-3.704	-0.030475	-0.411090
5	0.225	-3.704	-0.030475	-0.417947
6	0	-3.704	0.020496	-0.417947
6	0.225	-3.704	0.020496	-0.413335
7	0	-3.704	0.063012	-0.413335
7	0.225	-3.704	0.063012	-0.399157
8	0	-3.704	0.098036	-0.399157
8	0.225	-3.704	0.098036	-0.377099

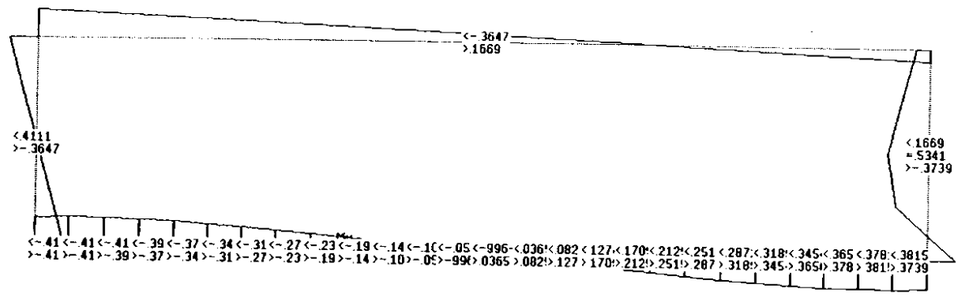
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
9	0	-3.704	0.126502	-0.377099
9	0.225	-3.704	0.126502	-0.348636
10	0	-3.704	0.149292	-0.348636
10	0.225	-3.704	0.149292	-0.315046
11	0	-3.704	0.167219	-0.315046
11	0.225	-3.704	0.167219	-0.277421
12	0	-3.704	0.181021	-0.277421
12	0.225	-3.704	0.181021	-0.236692
13	0	-3.704	0.191347	-0.236692
13	0.225	-3.704	0.191347	-0.193639
14	0	-3.704	0.198751	-0.193639
14	0.225	-3.704	0.198751	-0.148920
15	0	-3.704	0.203685	-0.148920
15	0.225	-3.704	0.203685	-0.103090
16	0	-3.704	0.206499	-0.103090
16	0.225	-3.704	0.206499	-0.056628
17	0	-3.704	0.207434	-0.056628
17	0.225	-3.704	0.207434	-0.009955
18	0	-3.704	0.206623	-0.009955
18	0.225	-3.704	0.206623	0.036535
19	0	-3.704	0.204089	0.036535
19	0.225	-3.704	0.204089	0.082455
20	0	-3.704	0.199746	0.082455
20	0.225	-3.704	0.199746	0.127398
21	0	-3.704	0.193401	0.127398
21	0.225	-3.704	0.193401	0.170913
22	0	-3.704	0.184757	0.170913
22	0.225	-3.704	0.184757	0.212483
23	0	-3.704	0.173415	0.212483
23	0.225	-3.704	0.173415	0.251501
24	0	-3.704	0.158875	0.251501
24	0.225	-3.704	0.158875	0.287248
25	0	-3.704	0.140552	0.287248
25	0.225	-3.704	0.140552	0.318873
26	0	-3.704	0.117772	0.318873

ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
26	0.225	-3.704	0.117772	0.345371
27	0	-3.704	0.089791	0.345371
27	0.225	-3.704	0.089791	0.365574
28	0	-3.704	0.055802	0.365574
28	0.225	-3.704	0.055802	0.378130
29	0	-3.704	0.014951	0.378130
29	0.225	-3.704	0.014951	0.381494
30	0	-3.704	-0.033646	0.381494
30	0.225	-3.704	-0.033646	0.373923

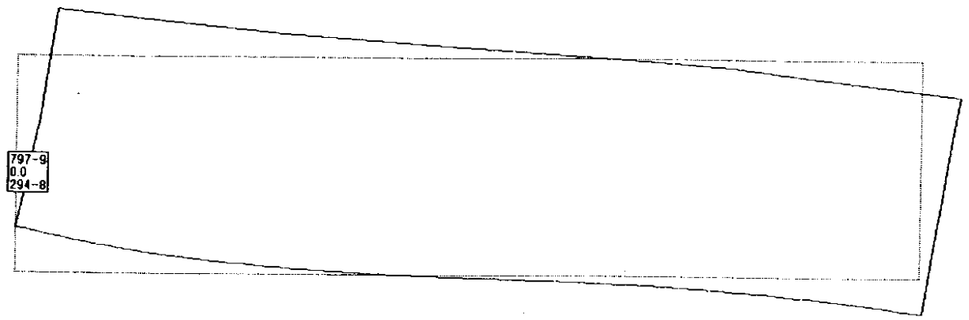
Escala 1 : 40.5
Section force, Hipótesi 12 (Empuje lado 1 const bajo. Repo), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 5.00E-01
  min: -4.18E-01 max: 5.34E-01 [kNm]
- Text Moment My [kNm]



BELASTUNG: 'Empuje lado 2 const bajo. Repo'

Lastfall	Faktor	Bauzustd. Vorv.	Titel
13	1.0000		Empuje lado 2 const bajo. Repo

Escala 1 : 39.7
Deformed structure, Hipótesi 13 (Empuje lado 2 const bajo. Repo), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 1.0E5
- V-Max , Text: Vx,Vy,Vz [M]



ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
2	0	0.090873	3.837	-0.477017
2	0.347	0.090873	1.241	0.370070
2	0.695	0.090873	-0.158282	0.523350
2	0.927	0.090873	-0.425488	0.445299
2	1.389	0.090873	-0.425488	0.248460
3	0	-0.090873	0.425488	-0.283145
3	1.389	-0.090873	0.425488	0.307964
4	0	-0.425488	-0.090873	0.248460
4	5.850	-0.425488	-0.090873	-0.283145
5	0	0.425488	0.024847	0.477017
5	0.225	0.425488	0.024847	0.482608
6	0	0.425488	-0.030336	0.482608
6	0.225	0.425488	-0.030336	0.475782
7	0	0.425488	-0.075801	0.475782
7	0.225	0.425488	-0.075801	0.458727
8	0	0.425488	-0.112661	0.458727
8	0.225	0.425488	-0.112661	0.433378

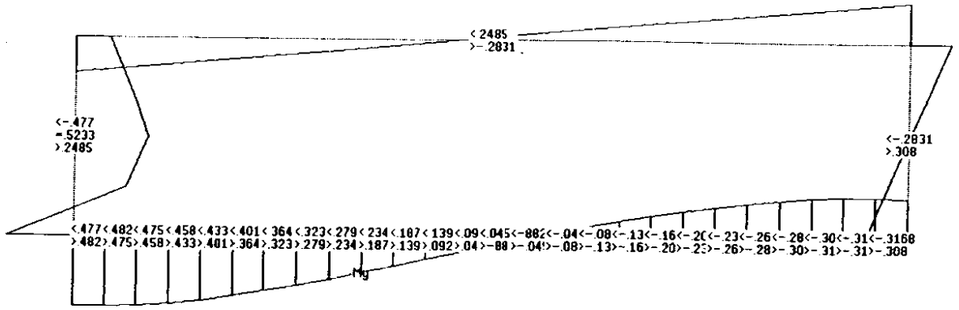
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
9	0	0.425488	-0.141987	0.433378
9	0.225	0.425488	-0.141987	0.401431
10	0	0.425488	-0.164792	0.401431
10	0.225	0.425488	-0.164792	0.364353
11	0	0.425488	-0.182016	0.364353
11	0.225	0.425488	-0.182016	0.323399
12	0	0.425488	-0.194509	0.323399
12	0.225	0.425488	-0.194509	0.279635
13	0	0.425488	-0.203031	0.279635
13	0.225	0.425488	-0.203031	0.233953
14	0	0.425488	-0.208234	0.233953
14	0.225	0.425488	-0.208234	0.187100
15	0	0.425488	-0.210667	0.187100
15	0.225	0.425488	-0.210667	0.139700
16	0	0.425488	-0.210769	0.139700
16	0.225	0.425488	-0.210769	0.092277
17	0	0.425488	-0.208866	0.092277
17	0.225	0.425488	-0.208866	0.045282
18	0	0.425488	-0.205175	0.045282
18	0.225	0.425488	-0.205175	-0.000882
19	0	0.425488	-0.199802	-0.000882
19	0.225	0.425488	-0.199802	-0.045837
20	0	0.425488	-0.192747	-0.045837
20	0.225	0.425488	-0.192747	-0.089206
21	0	0.425488	-0.183902	-0.089206
21	0.225	0.425488	-0.183902	-0.130583
22	0	0.425488	-0.173058	-0.130583
22	0.225	0.425488	-0.173058	-0.169521
23	0	0.425488	-0.159911	-0.169521
23	0.225	0.425488	-0.159911	-0.205501
24	0	0.425488	-0.144065	-0.205501
24	0.225	0.425488	-0.144065	-0.237916
25	0	0.425488	-0.125039	-0.237916
25	0.225	0.425488	-0.125039	-0.266050
26	0	0.425488	-0.102278	-0.266050

ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
26	0.225	0.425488	-0.102278	-0.289062
27	0	0.425488	-0.075159	-0.289062
27	0.225	0.425488	-0.075159	-0.305973
28	0	0.425488	-0.043008	-0.305973
28	0.225	0.425488	-0.043008	-0.315650
29	0	0.425488	-0.005110	-0.315650
29	0.225	0.425488	-0.005110	-0.316800
30	0	0.425488	0.039270	-0.316800
30	0.225	0.425488	0.039270	-0.307964

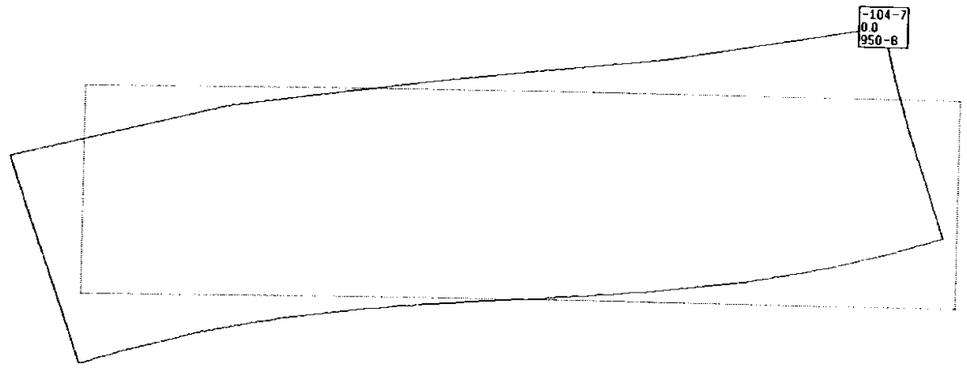
Escala 1 : 43.1
Section force, Hipótesi 13 (Empuje lado 2 const bajo. Repo), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 1.00E+00
  min: -4.77E-01 max: 5.23E-01 [kNm]
- Text Moment My [kNm]



BELASTUNG: 'Empuje lado 1. SC maquinaria'

Lastfall	Faktor	Bauzustd. Vorv.	Titel
14	1.0000		Empuje lado 1. SC maquinaria.

Escala 1 : 41.3
Deformed structure, Hipótesi 14 (Empuje lado 1. SC maquinaria), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 5.0E4
- V-Max , Text: Vx,Vy,Vz [M]



ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
2	0	-0.390685	-1.829	1.255
2	1.389	-0.390685	-1.829	-1.286
3	0	0.390685	1.829	1.000
3	0.347	0.390685	0.092213	1.334
3	0.695	0.390685	-1.644	1.064
3	1.042	0.390685	-3.381	0.191394
3	1.389	0.390685	-5.117	-1.284
4	0	-1.829	0.390685	-1.286
4	5.850	-1.829	0.390685	1.000
5	0	-5.117	-0.180126	-1.255
5	0.225	-5.117	-0.180126	-1.296
6	0	-5.117	-0.000607	-1.296
6	0.225	-5.117	-0.000607	-1.296
7	0	-5.117	0.150895	-1.296
7	0.225	-5.117	0.150895	-1.262

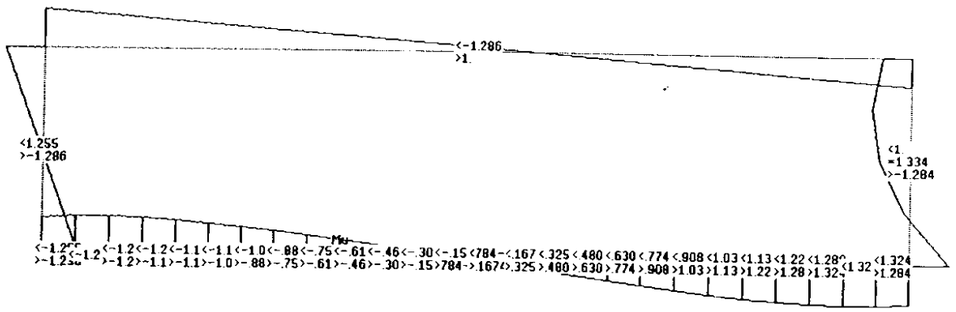
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
8	0	-5.117	0.277401	-1.262
8	0.225	-5.117	0.277401	-1.199
9	0	-5.117	0.381859	-1.199
9	0.225	-5.117	0.381859	-1.114
10	0	-5.117	0.467070	-1.114
10	0.225	-5.117	0.467070	-1.008
11	0	-5.117	0.535637	-1.008
11	0.225	-5.117	0.535637	-0.887897
12	0	-5.117	0.589917	-0.887897
12	0.225	-5.117	0.589917	-0.755165
13	0	-5.117	0.631987	-0.755165
13	0.225	-5.117	0.631987	-0.612968
14	0	-5.117	0.663612	-0.612968
14	0.225	-5.117	0.663612	-0.463656
15	0	-5.117	0.686227	-0.463656
15	0.225	-5.117	0.686227	-0.309254
16	0	-5.117	0.700916	-0.309254
16	0.225	-5.117	0.700916	-0.151548
17	0	-5.117	0.708403	-0.151548
17	0.225	-5.117	0.708403	0.007842
18	0	-5.117	0.709043	0.007842
18	0.225	-5.117	0.709043	0.167377
19	0	-5.117	0.702816	0.167377
19	0.225	-5.117	0.702816	0.325511
20	0	-5.117	0.689331	0.325511
20	0.225	-5.117	0.689331	0.480610
21	0	-5.117	0.667826	0.480610
21	0.225	-5.117	0.667826	0.630871
22	0	-5.117	0.637178	0.630871
22	0.225	-5.117	0.637178	0.774236
23	0	-5.117	0.595909	0.774236
23	0.225	-5.117	0.595909	0.908316
24	0	-5.117	0.542210	0.908316
24	0.225	-5.117	0.542210	1.030
25	0	-5.117	0.473955	1.030
25	0.225	-5.117	0.473955	1.137

ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
26	0	-5.117	0.388736	1.137
26	0.225	-5.117	0.388736	1.224
27	0	-5.117	0.283896	1.224
27	0.225	-5.117	0.283896	1.288
28	0	-5.117	0.156574	1.288
28	0.225	-5.117	0.156574	1.324
29	0	-5.117	0.003762	1.324
29	0.225	-5.117	0.003762	1.324
30	0	-5.117	-0.177628	1.324
30	0.225	-5.117	-0.177628	1.284

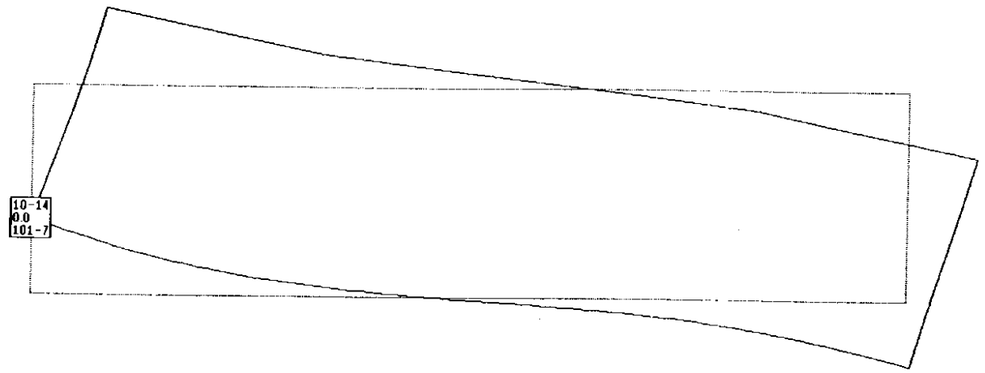
Escala 1 : 41.5
Section force, Hipótesi 14 (Empuje lado 1. SC maquinaria), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 2.00E-01
  min: -1.30E+00 max: 1.33E+00 [kNm]
- Text Moment My [kNm]



BELASTUNG: 'Empuje lado 2. SC maquinaria'

Lastfall	Faktor	Bauzustd. Vorv.	Titel
15	1.0000		Empuje lado 2. SC maquinaria

Escala 1 : 41.1
Deformed structure, Hipótesi 15 (Empuje lado 2. SC maquinaria), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 5.0E4
- V-Max , Text: Vx,Vy,Vz [M]



ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
2	0	0.390685	5.334	-1.452
2	0.347	0.390685	3.598	0.098597
2	0.695	0.390685	1.861	1.046
2	1.042	0.390685	0.124404	1.391
2	1.389	0.390685	-1.612	1.133
3	0	-0.390685	1.612	-1.153
3	1.389	-0.390685	1.612	1.087
4	0	-1.612	-0.390685	1.133
4	5.850	-1.612	-0.390685	-1.153
5	0	1.612	0.163292	1.452
5	0.225	1.612	0.163292	1.489
6	0	1.612	-0.028835	1.489
6	0.225	1.612	-0.028835	1.483
7	0	1.612	-0.189169	1.483
7	0.225	1.612	-0.189169	1.440

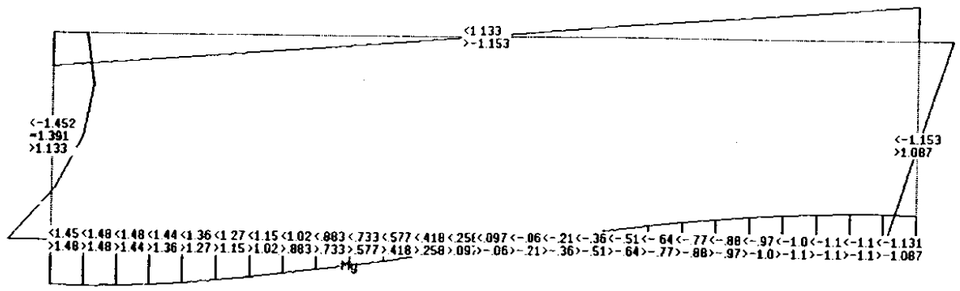
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
8	0	1.612	-0.321171	1.440
8	0.225	1.612	-0.321171	1.368
9	0	1.612	-0.428205	1.368
9	0.225	1.612	-0.428205	1.272
10	0	1.612	-0.513468	1.272
10	0.225	1.612	-0.513468	1.156
11	0	1.612	-0.579931	1.156
11	0.225	1.612	-0.579931	1.026
12	0	1.612	-0.630298	1.026
12	0.225	1.612	-0.630298	0.883683
13	0	1.612	-0.666969	0.883683
13	0.225	1.612	-0.666969	0.733615
14	0	1.612	-0.692012	0.733615
14	0.225	1.612	-0.692012	0.577912
15	0	1.612	-0.707143	0.577912
15	0.225	1.612	-0.707143	0.418805
16	0	1.612	-0.713716	0.418805
16	0.225	1.612	-0.713716	0.258219
17	0	1.612	-0.712711	0.258219
17	0.225	1.612	-0.712711	0.097859
18	0	1.612	-0.704735	0.097859
18	0.225	1.612	-0.704735	-0.060706
19	0	1.612	-0.690016	-0.060706
19	0.225	1.612	-0.690016	-0.215960
20	0	1.612	-0.668415	-0.215960
20	0.225	1.612	-0.668415	-0.366353
21	0	1.612	-0.639427	-0.366353
21	0.225	1.612	-0.639427	-0.510224
22	0	1.612	-0.602196	-0.510224
22	0.225	1.612	-0.602196	-0.645718
23	0	1.612	-0.555528	-0.645718
23	0.225	1.612	-0.555528	-0.770712
24	0	1.612	-0.497916	-0.770712
24	0.225	1.612	-0.497916	-0.882743
25	0	1.612	-0.427557	-0.882743
25	0.225	1.612	-0.427557	-0.978944

ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
26	0	1.612	-0.342389	-0.978944
26	0.225	1.612	-0.342389	-1.056
27	0	1.612	-0.240125	-1.056
27	0.225	1.612	-0.240125	-1.110
28	0	1.612	-0.118299	-1.110
28	0.225	1.612	-0.118299	-1.137
29	0	1.612	0.025679	-1.137
29	0.225	1.612	0.025679	-1.131
30	0	1.612	0.194462	-1.131
30	0.225	1.612	0.194462	-1.087

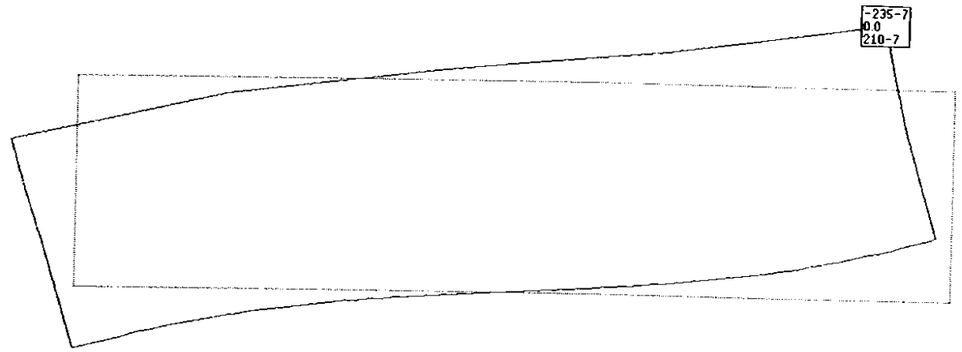
Escala 1 : 41.5
Section force, Hipótesi 15 (Empuje lado 2. SC maquinaria), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 2.00E-01
  min: -1.45E+00 max: 1.49E+00 [kNm]
- Text Moment My [kNm]



BELASTUNG: 'Empuje lado 1 servicio. Reposo'

Lastfall	Faktor	Bauzustd. Vorv.	Titel
16	1.0000		Empuje lado 1 servicio. Reposo

Escala 1 : 41.0
Deformed structure, Hipótesi 16 (Empuje lado 1 servicio. Reposo), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 2.0E4
- V-Max , Text: Vx,Vy,Vz [M]



ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
2	0	-0.835386	-4.116	2.870
2	1.389	-0.835386	-4.116	-2.848
3	0	0.835386	4.116	2.039
3	0.347	0.835386	1.289	3.013
3	0.695	0.835386	-2.744	2.795
3	1.042	0.835386	-7.984	0.967332
3	1.389	0.835386	-14.431	-2.890
4	0	-4.116	0.835386	-2.848
4	5.850	-4.116	0.835386	2.039
5	0	-14.431	-0.367124	-2.870
5	0.225	-14.431	-0.367124	-2.953
6	0	-14.431	0.031357	-2.953
6	0.225	-14.431	0.031357	-2.946
7	0	-14.431	0.366942	-2.946
7	0.225	-14.431	0.366942	-2.863

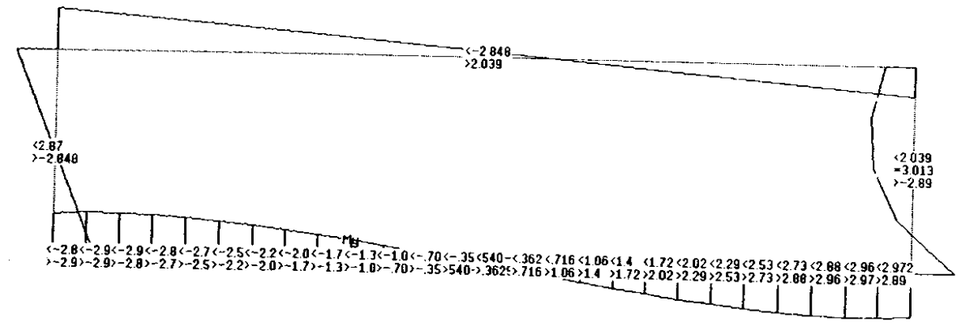
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
8	0	-14.431	0.646506	-2.863
8	0.225	-14.431	0.646506	-2.718
9	0	-14.431	0.876735	-2.718
9	0.225	-14.431	0.876735	-2.520
10	0	-14.431	1.064	-2.520
10	0.225	-14.431	1.064	-2.281
11	0	-14.431	1.214	-2.281
11	0.225	-14.431	1.214	-2.008
12	0	-14.431	1.333	-2.008
12	0.225	-14.431	1.333	-1.708
13	0	-14.431	1.424	-1.708
13	0.225	-14.431	1.424	-1.388
14	0	-14.431	1.492	-1.388
14	0.225	-14.431	1.492	-1.052
15	0	-14.431	1.540	-1.052
15	0.225	-14.431	1.540	-0.705241
16	0	-14.431	1.572	-0.705241
16	0.225	-14.431	1.572	-0.351647
17	0	-14.431	1.587	-0.351647
17	0.225	-14.431	1.587	0.005396
18	0	-14.431	1.587	0.005396
18	0.225	-14.431	1.587	0.362538
19	0	-14.431	1.573	0.362538
19	0.225	-14.431	1.573	0.716425
20	0	-14.431	1.543	0.716425
20	0.225	-14.431	1.543	1.064
21	0	-14.431	1.495	1.064
21	0.225	-14.431	1.495	1.400
22	0	-14.431	1.427	1.400
22	0.225	-14.431	1.427	1.721
23	0	-14.431	1.337	1.721
23	0.225	-14.431	1.337	2.022
24	0	-14.431	1.219	2.022
24	0.225	-14.431	1.219	2.296
25	0	-14.431	1.069	2.296
25	0.225	-14.431	1.069	2.536

ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
26	0	-14.431	0.881466	2.536
26	0.225	-14.431	0.881466	2.735
27	0	-14.431	0.650975	2.735
27	0.225	-14.431	0.650975	2.881
28	0	-14.431	0.370850	2.881
28	0.225	-14.431	0.370850	2.965
29	0	-14.431	0.034362	2.965
29	0.225	-14.431	0.034362	2.972
30	0	-14.431	-0.365406	2.972
30	0.225	-14.431	-0.365406	2.890

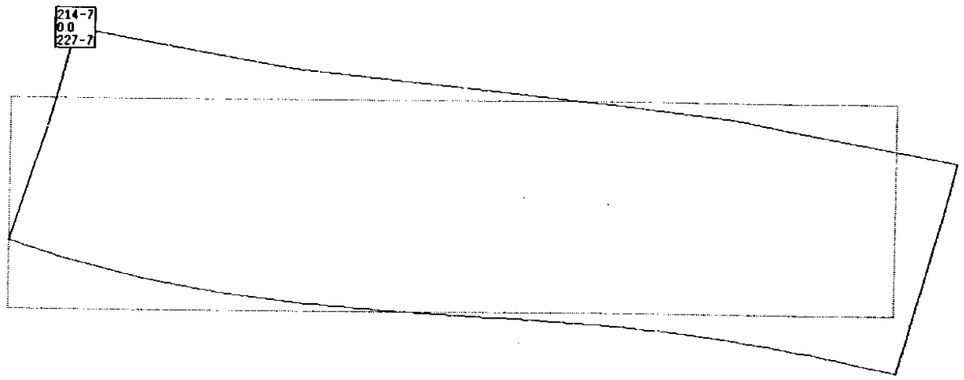
Escala 1 : 41.9
Section force, Hipótesi 16 (Empuje lado 1 servicio. Reposo), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 1.00E-01
  min: -2.95E+00 max: 3.01E+00 [kNm]
- Text Moment My [kNm]



BELASTUNG: 'Empuje lado 2 servicio. repos.'

Lastfall	Faktor	Bauzustd. Vorv.	Titel
17	1.0000		Empuje lado 2 servicio. Reposo

Escala 1 : 40.8
Deformed structure, Hipótesi 17 (Empuje lado 2 servicio. repos.), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 2.0E4
- V-Max , Text: Vx,Vy,Vz [M]



ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
2	0	0.835386	15.009	-3.339
2	0.347	0.835386	8.562	0.719564
2	0.695	0.835386	3.322	2.748
2	1.042	0.835386	-0.711005	3.167
2	1.389	0.835386	-3.537	2.394
3	0	-0.835386	3.537	-2.493
3	1.389	-0.835386	3.537	2.421
4	0	-3.537	-0.835386	2.394
4	5.850	-3.537	-0.835386	-2.493
5	0	3.537	0.327128	3.339
5	0.225	3.537	0.327128	3.412
6	0	3.537	-0.101307	3.412
6	0.225	3.537	-0.101307	3.390
7	0	3.537	-0.457878	3.390
7	0.225	3.537	-0.457878	3.287

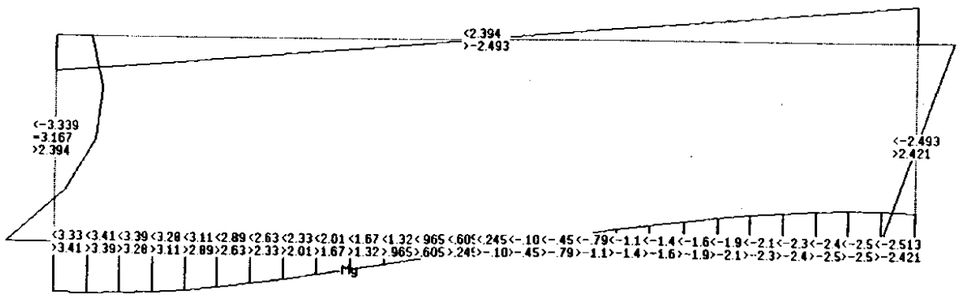
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
8	0	3.537	-0.750500	3.287
8	0.225	3.537	-0.750500	3.118
9	0	3.537	-0.986849	3.118
9	0.225	3.537	-0.986849	2.896
10	0	3.537	-1.174	2.896
10	0.225	3.537	-1.174	2.632
11	0	3.537	-1.319	2.632
11	0.225	3.537	-1.319	2.335
12	0	3.537	-1.428	2.335
12	0.225	3.537	-1.428	2.013
13	0	3.537	-1.507	2.013
13	0.225	3.537	-1.507	1.674
14	0	3.537	-1.560	1.674
14	0.225	3.537	-1.560	1.323
15	0	3.537	-1.590	1.323
15	0.225	3.537	-1.590	0.965522
16	0	3.537	-1.602	0.965522
16	0.225	3.537	-1.602	0.605086
17	0	3.537	-1.597	0.605086
17	0.225	3.537	-1.597	0.245741
18	0	3.537	-1.577	0.245741
18	0.225	3.537	-1.577	-0.109099
19	0	3.537	-1.542	-0.109099
19	0.225	3.537	-1.542	-0.456144
20	0	3.537	-1.493	-0.456144
20	0.225	3.537	-1.493	-0.792050
21	0	3.537	-1.427	-0.792050
21	0.225	3.537	-1.427	-1.113
22	0	3.537	-1.344	-1.113
22	0.225	3.537	-1.344	-1.416
23	0	3.537	-1.241	-1.416
23	0.225	3.537	-1.241	-1.695
24	0	3.537	-1.113	-1.695
24	0.225	3.537	-1.113	-1.945
25	0	3.537	-0.958478	-1.945
25	0.225	3.537	-0.958478	-2.161

ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
26	0	3.537	-0.771352	-2.161
26	0.225	3.537	-0.771352	-2.335
27	0	3.537	-0.546981	-2.335
27	0.225	3.537	-0.546981	-2.458
28	0	3.537	-0.279913	-2.458
28	0.225	3.537	-0.279913	-2.521
29	0	3.537	0.035588	-2.521
29	0.225	3.537	0.035588	-2.513
30	0	3.537	0.405402	-2.513
30	0.225	3.537	0.405402	-2.421

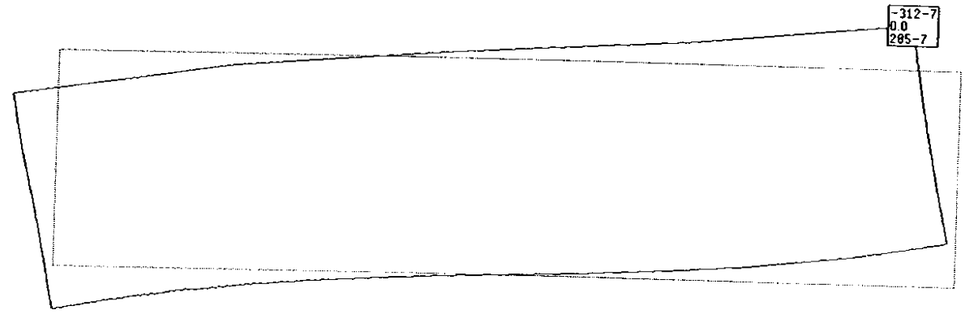
Escala 1 : 41.9
Section force, Hipótesi 17 (Empuje lado 2 servicio. repos.), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 1.00E-01
  min: -3.34E+00 max: 3.41E+00 [kNm]
- Text Moment My [kNm]



BELASTUNG: 'Empuje lado 1. SC 3T/m2'

Lastfall	Faktor	Bauzustd. Vorv.	Titel
18	1.0000		Empuje lado 1. SC 3T/m2

Escala 1 : 40.0
Deformed structure, Hipótesi 18 (Empuje lado 1. SC 3T/m2), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 1.0E4
- V-Max , Text: Vx,Vy,Vz [M]



ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
2	0	-1.172	-5.486	3.765
2	1.389	-1.172	-5.486	-3.857
3	0	1.172	5.486	3.000
3	0.347	1.172	0.276639	4.001
3	0.695	1.172	-4.933	3.192
3	1.042	1.172	-10.143	0.574182
3	1.389	1.172	-15.352	-3.853
4	0	-5.486	1.172	-3.857
4	5.850	-5.486	1.172	3.000
5	0	-15.352	-0.540379	-3.765
5	0.225	-15.352	-0.540379	-3.887
6	0	-15.352	-0.001820	-3.887
6	0.225	-15.352	-0.001820	-3.887
7	0	-15.352	0.452684	-3.887
7	0.225	-15.352	0.452684	-3.786
8	0	-15.352	0.832202	-3.786
8	0.225	-15.352	0.832202	-3.598

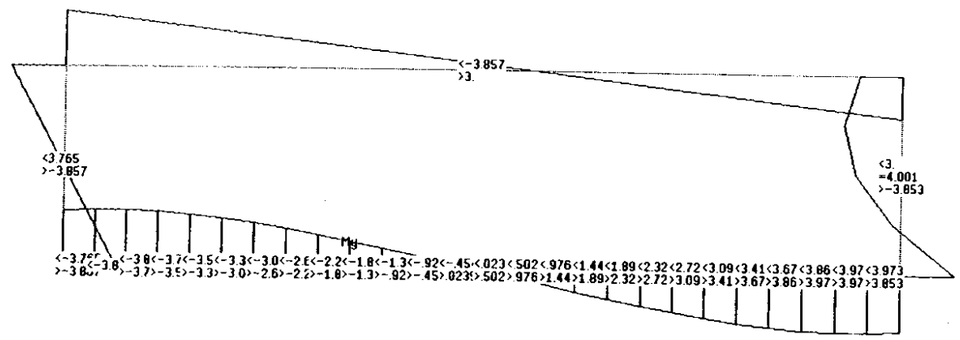
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
9	0	-15.352	1.146	-3.598
9	0.225	-15.352	1.146	-3.341
10	0	-15.352	1.401	-3.341
10	0.225	-15.352	1.401	-3.025
11	0	-15.352	1.607	-3.025
11	0.225	-15.352	1.607	-2.664
12	0	-15.352	1.770	-2.664
12	0.225	-15.352	1.770	-2.265
13	0	-15.352	1.896	-2.265
13	0.225	-15.352	1.896	-1.839
14	0	-15.352	1.991	-1.839
14	0.225	-15.352	1.991	-1.391
15	0	-15.352	2.059	-1.391
15	0.225	-15.352	2.059	-0.927763
16	0	-15.352	2.103	-0.927763
16	0.225	-15.352	2.103	-0.454645
17	0	-15.352	2.125	-0.454645
17	0.225	-15.352	2.125	0.023527
18	0	-15.352	2.127	0.023527
18	0.225	-15.352	2.127	0.502131
19	0	-15.352	2.108	0.502131
19	0.225	-15.352	2.108	0.976532
20	0	-15.352	2.068	0.976532
20	0.225	-15.352	2.068	1.442
21	0	-15.352	2.003	1.442
21	0.225	-15.352	2.003	1.893
22	0	-15.352	1.912	1.893
22	0.225	-15.352	1.912	2.323
23	0	-15.352	1.788	2.323
23	0.225	-15.352	1.788	2.725
24	0	-15.352	1.627	2.725
24	0.225	-15.352	1.627	3.091
25	0	-15.352	1.422	3.091
25	0.225	-15.352	1.422	3.411
26	0	-15.352	1.166	3.411

ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
26	0.225	-15.352	1.166	3.673
27	0	-15.352	0.851688	3.673
27	0.225	-15.352	0.851688	3.865
28	0	-15.352	0.469722	3.865
28	0.225	-15.352	0.469722	3.971
29	0	-15.352	0.011287	3.971
29	0.225	-15.352	0.011287	3.973
30	0	-15.352	-0.532885	3.973
30	0.225	-15.352	-0.532885	3.853

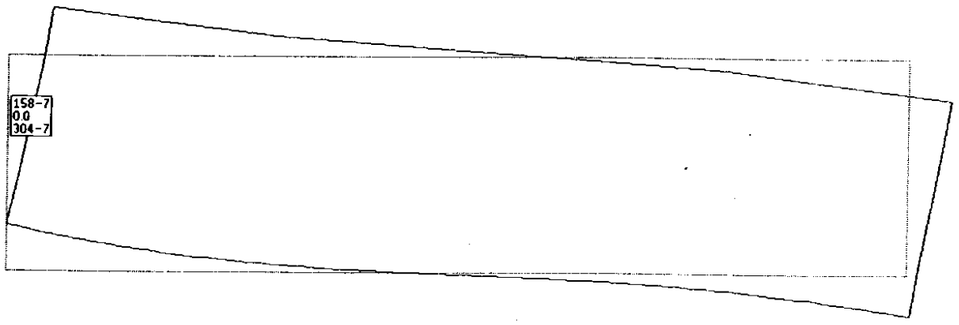
Escala 1 : 43.2
Section force, Hipótesi 18 (Empuje lado 1. SC 3T/m2), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 1.00E-01
  min: -3.89E+00 max: 4.00E+00 [kNm]
- Text Moment My [kNm]



BELASTUNG: 'Empuje lado 2. SC 3T/m2'

Lastfall	Faktor	Bauzustd. Vorv.	Titel
19	1.0000		Empuje lado 2. SC 3T/m2

Escala 1 : 39.9
Deformed structure, Hipótesi 19 (Empuje lado 2. SC 3T/m2), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 1.0E4
- V-Max , Text: Vx,Vy,Vz [M]



ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
2	0	1.172	16.002	-4.357
2	0.347	1.172	10.793	0.295791
2	0.695	1.172	5.583	3.139
2	1.042	1.172	0.373212	4.174
2	1.389	1.172	-4.836	3.399
3	0	-1.172	4.836	-3.458
3	1.389	-1.172	4.836	3.261
4	0	-4.836	-1.172	3.399
4	5.850	-4.836	-1.172	-3.458
5	0	4.836	0.489876	4.357
5	0.225	4.836	0.489876	4.468
6	0	4.836	-0.086505	4.468
6	0.225	4.836	-0.086505	4.448
7	0	4.836	-0.567507	4.448
7	0.225	4.836	-0.567507	4.320
8	0	4.836	-0.963514	4.320
8	0.225	4.836	-0.963514	4.104

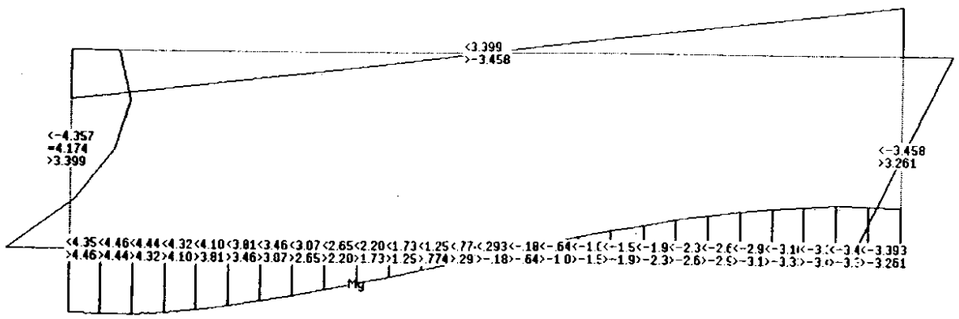
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
9	0	4.836	-1.285	4.104
9	0.225	4.836	-1.285	3.815
10	0	4.836	-1.540	3.815
10	0.225	4.836	-1.540	3.468
11	0	4.836	-1.740	3.468
11	0.225	4.836	-1.740	3.077
12	0	4.836	-1.891	3.077
12	0.225	4.836	-1.891	2.651
13	0	4.836	-2.001	2.651
13	0.225	4.836	-2.001	2.201
14	0	4.836	-2.076	2.201
14	0.225	4.836	-2.076	1.734
15	0	4.836	-2.121	1.734
15	0.225	4.836	-2.121	1.256
16	0	4.836	-2.141	1.256
16	0.225	4.836	-2.141	0.774658
17	0	4.836	-2.138	0.774658
17	0.225	4.836	-2.138	0.293578
18	0	4.836	-2.114	0.293578
18	0.225	4.836	-2.114	-0.182118
19	0	4.836	-2.070	-0.182118
19	0.225	4.836	-2.070	-0.647879
20	0	4.836	-2.005	-0.647879
20	0.225	4.836	-2.005	-1.099
21	0	4.836	-1.918	-1.099
21	0.225	4.836	-1.918	-1.531
22	0	4.836	-1.807	-1.531
22	0.225	4.836	-1.807	-1.937
23	0	4.836	-1.667	-1.937
23	0.225	4.836	-1.667	-2.312
24	0	4.836	-1.494	-2.312
24	0.225	4.836	-1.494	-2.648
25	0	4.836	-1.283	-2.648
25	0.225	4.836	-1.283	-2.937
26	0	4.836	-1.027	-2.937

ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
26	0.225	4.836	-1.027	-3.168
27	0	4.836	-0.720376	-3.168
27	0.225	4.836	-0.720376	-3.330
28	0	4.836	-0.354898	-3.330
28	0.225	4.836	-0.354898	-3.410
29	0	4.836	0.077038	-3.410
29	0.225	4.836	0.077038	-3.393
30	0	4.836	0.583387	-3.393
30	0.225	4.836	0.583387	-3.261

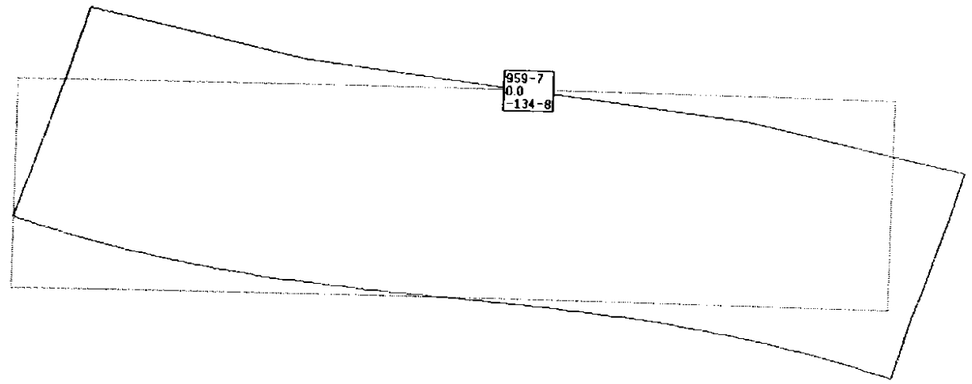
Escala 1 : 43.2
Section force, Hipótesi 19 (Empuje lado 2. SC 3T/m2), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 1.00E-01
  min: -4.36E+00 max: 4.47E+00 [kNm]
- Text Moment My [kNm]



BELASTUNG: 'Frenado'

Lastfall	Faktor	Bauzustd. Vorv.	-Titel
20	1.0000		Frenado

Escala 1 : 41.2
Deformed structure, Hipótesi 20 (Frenado), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 5.0E3
- V-Max , Text: Vx,Vy,Vz [M]



ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
2	0	4.509	18.007	-11.494
2	1.389	4.509	18.007	13.522
3	0	-4.509	16.918	-12.854
3	1.389	-4.509	16.918	10.649
4	0	18.007	-4.509	13.522
4	1.462	9.276	-4.509	6.928
4	2.925	0.544556	-4.509	0.334110
4	4.387	-8.187	-4.509	-6.260
4	5.850	-16.918	-4.509	-12.854
5	0	16.918	2.380	11.494
5	0.225	16.918	2.380	12.030
6	0	16.918	0.558688	12.030
6	0.225	16.918	0.558688	12.155
7	0	16.918	-0.984229	12.155
7	0.225	16.918	-0.984229	11.934

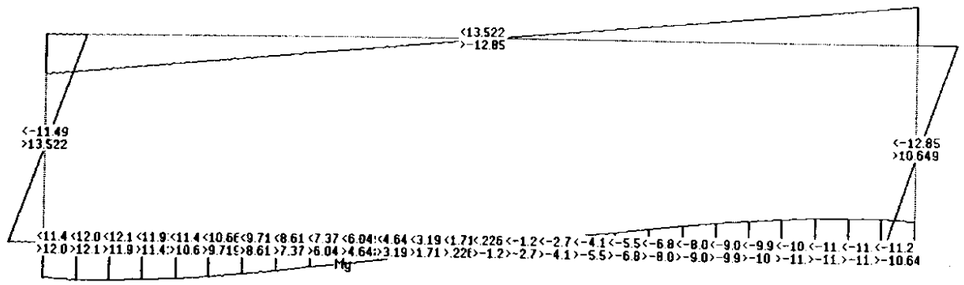
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
8	0	16.918	-2.277	11.934
8	0.225	16.918	-2.277	11.422
9	0	16.918	-3.347	11.422
9	0.225	16.918	-3.347	10.669
10	0	16.918	-4.221	10.669
10	0.225	16.918	-4.221	9.719
11	0	16.918	-4.925	9.719
11	0.225	16.918	-4.925	8.611
12	0	16.918	-5.480	8.611
12	0.225	16.918	-5.480	7.378
13	0	16.918	-5.907	7.378
13	0.225	16.918	-5.907	6.049
14	0	16.918	-6.224	6.049
14	0.225	16.918	-6.224	4.648
15	0	16.918	-6.443	4.648
15	0.225	16.918	-6.443	3.199
16	0	16.918	-6.577	3.199
16	0.225	16.918	-6.577	1.719
17	0	16.918	-6.633	1.719
17	0.225	16.918	-6.633	0.226294
18	0	16.918	-6.615	0.226294
18	0.225	16.918	-6.615	-1.262
19	0	16.918	-6.523	-1.262
19	0.225	16.918	-6.523	-2.730
20	0	16.918	-6.354	-2.730
20	0.225	16.918	-6.354	-4.159
21	0	16.918	-6.102	-4.159
21	0.225	16.918	-6.102	-5.532
22	0	16.918	-5.757	-5.532
22	0.225	16.918	-5.757	-6.828
23	0	16.918	-5.307	-6.828
23	0.225	16.918	-5.307	-8.022
24	0	16.918	-4.735	-8.022
24	0.225	16.918	-4.735	-9.087
25	0	16.918	-4.023	-9.087
25	0.225	16.918	-4.023	-9.992

ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
26	0	16.918	-3.148	-9.992
26	0.225	16.918	-3.148	-10.700
27	0	16.918	-2.089	-10.700
27	0.225	16.918	-2.089	-11.171
28	0	16.918	-0.820347	-11.171
28	0.225	16.918	-0.820347	-11.355
29	0	16.918	0.684750	-11.355
29	0.225	16.918	0.684750	-11.201
30	0	16.918	2.452	-11.201
30	0.225	16.918	2.452	-10.649

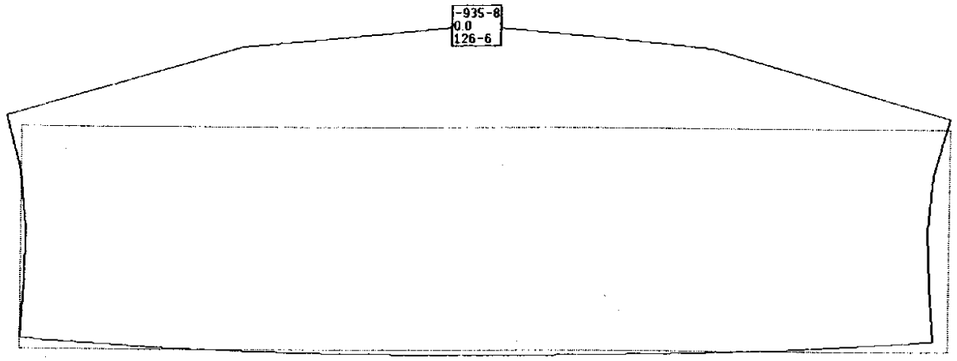
Escala 1 : 41.3
Section force, Hipótesi 20 (frenado), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 2.00E-02
  min: -1.29E+01 max: 1.35E+01 [kNm]
- Text Moment My [kNm]



BELASTUNG: 'Gradiente térmico'

Lastfall	Faktor	Bauzustd. Vorv.	Titel
21	1.0000		Gradiente térmico

Escala 1 : 38.7
Deformed structure, Hipótesi 21 (Gradiente térmico), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 5.0E3
- V-Max , Text: Vx,Vy,Vz [N]



ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
2	0	2.19E-14	51.763	-3.532
2	1.389	2.19E-14	51.763	68.380
3	0	9.59E-15	-51.763	68.380
3	1.389	9.59E-15	-51.763	-3.532
4	0	51.763	-9.53E-15	68.380
4	5.850	51.763	-9.53E-15	68.380
5	0	-51.763	-0.301334	3.532
5	0.225	-51.763	-0.301334	3.464
6	0	-51.763	-0.527007	3.464
6	0.225	-51.763	-0.527007	3.345
7	0	-51.763	-0.685118	3.345
7	0.225	-51.763	-0.685118	3.191
8	0	-51.763	-0.783495	3.191
8	0.225	-51.763	-0.783495	3.015
9	0	-51.763	-0.829608	3.015

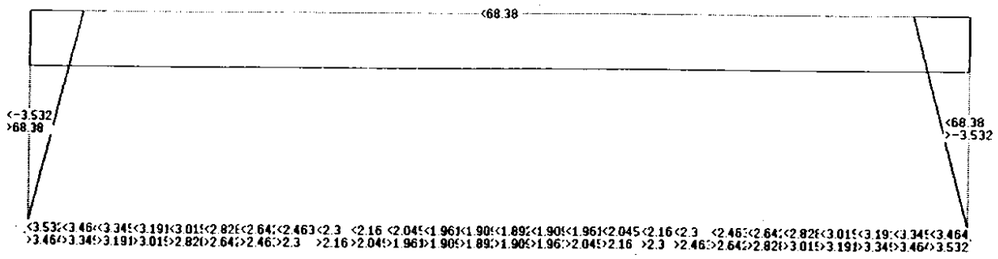
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
9	0.225	-51.763	-0.829608	2.828
10	0	-51.763	-0.830521	2.828
10	0.225	-51.763	-0.830521	2.642
11	0	-51.763	-0.792861	2.642
11	0.225	-51.763	-0.792861	2.463
12	0	-51.763	-0.722823	2.463
12	0.225	-51.763	-0.722823	2.300
13	0	-51.763	-0.626186	2.300
13	0.225	-51.763	-0.626186	2.160
14	0	-51.763	-0.508351	2.160
14	0.225	-51.763	-0.508351	2.045
15	0	-51.763	-0.374389	2.045
15	0.225	-51.763	-0.374389	1.961
16	0	-51.763	-0.229106	1.961
16	0.225	-51.763	-0.229106	1.909
17	0	-51.763	-0.077110	1.909
17	0.225	-51.763	-0.077110	1.892
18	0	-51.763	0.077110	1.892
18	0.225	-51.763	0.077110	1.909
19	0	-51.763	0.229106	1.909
19	0.225	-51.763	0.229106	1.961
20	0	-51.763	0.374389	1.961
20	0.225	-51.763	0.374389	2.045
21	0	-51.763	0.508351	2.045
21	0.225	-51.763	0.508351	2.160
22	0	-51.763	0.626186	2.160
22	0.225	-51.763	0.626186	2.300
23	0	-51.763	0.722823	2.300
23	0.225	-51.763	0.722823	2.463
24	0	-51.763	0.792861	2.463
24	0.225	-51.763	0.792861	2.642
25	0	-51.763	0.830521	2.642
25	0.225	-51.763	0.830521	2.828
26	0	-51.763	0.829608	2.828
26	0.225	-51.763	0.829608	3.015

ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
27	0	-51.763	0.783495	3.015
27	0.225	-51.763	0.783495	3.191
28	0	-51.763	0.685118	3.191
28	0.225	-51.763	0.685118	3.345
29	0	-51.763	0.527007	3.345
29	0.225	-51.763	0.527007	3.464
30	0	-51.763	0.301334	3.464
30	0.225	-51.763	0.301334	3.532

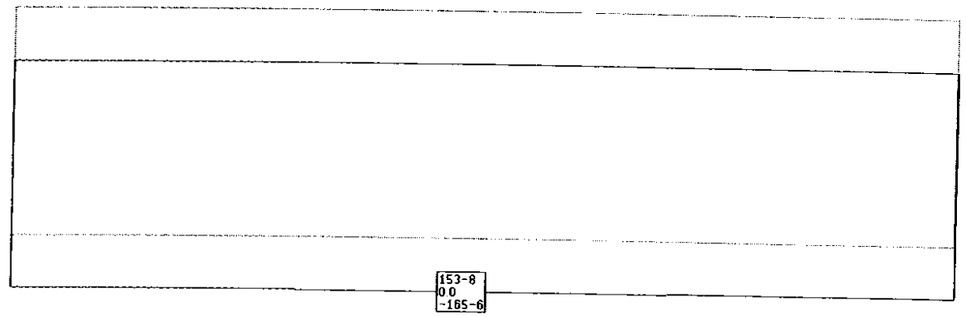
Escala 1 : 38.4
Section force, Hipótesi 21 (Gradiente térmico), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 5.00E-03
  min: -3.53E+00 max: 6.84E+01 [kNm]
- Text Moment My [kNm]



BELASTUNG: 'Empuje hidrostático'

Lastfall	Faktor	Bauzustd. Vorv.	Titel
22	1.0000		Empuje hidrostático

Escala 1 : 38.2
Deformed structure, Hipótesi 22 (Empuje hidrostático), View "ALL"
- Struktur: Staebe
- Verschiebungen, Ueberh: 2.0E3
- V-Max , Text: Vx,Vy,Vz [M]



ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
2	0	-1.12E-08	-8.798	1.610
2	0.347	-1.12E-08	-3.662	-0.511784
2	0.695	-1.12E-08	0.006304	-1.104
2	1.042	-1.12E-08	2.207	-0.677287
2	1.389	-1.12E-08	2.941	0.259252
3	0	1.12E-08	-2.941	0.259252
3	0.347	1.12E-08	-2.207	-0.677286
3	0.695	1.12E-08	-0.006304	-1.104
3	1.042	1.12E-08	3.662	-0.511784
3	1.389	1.12E-08	8.798	1.610
4	0	2.941	1.12E-08	0.259252
4	5.850	2.941	1.12E-08	0.259252
5	0	8.798	3.616	-1.610
5	0.0563	8.798	2.665	-1.433
5	0.113	8.798	1.714	-1.310
5	0.169	8.798	0.763845	-1.240
5	0.225	8.798	-0.186780	-1.224
6	0	8.798	3.432	-1.224
6	0.0563	8.798	2.482	-1.057
6	0.113	8.798	1.531	-0.944597

ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
6	0.169	8.798	0.580471	-0.885209
6	0.225	8.798	-0.370154	-0.879294
7	0	8.798	3.255	-0.879294
7	0.0563	8.798	2.304	-0.722931
7	0.113	8.798	1.354	-0.620041
7	0.169	8.798	0.403221	-0.570623
7	0.225	8.798	-0.547404	-0.574678
8	0	8.798	3.086	-0.574678
8	0.0562	8.798	2.135	-0.427834
8	0.112	8.798	1.185	-0.334463
8	0.169	8.798	0.234002	-0.294564
8	0.225	8.798	-0.716623	-0.308137
9	0	8.798	2.926	-0.308137
9	0.0562	8.798	1.975	-0.170293
9	0.112	8.798	1.025	-0.085921
9	0.169	8.798	0.074010	-0.055021
9	0.225	8.798	-0.876615	-0.077594
10	0	8.798	2.776	-0.077594
10	0.0563	8.798	1.825	0.051802
10	0.113	8.798	0.874440	0.127725
10	0.169	8.798	-0.076185	0.150176
10	0.225	8.798	-1.027	0.119155
11	0	8.798	2.635	0.119155
11	0.0562	8.798	1.685	0.240655
11	0.112	8.798	0.734069	0.308683
11	0.169	8.798	-0.216556	0.323238
11	0.225	8.798	-1.167	0.284320
12	0	8.798	2.504	0.284320
12	0.0563	8.798	1.554	0.398453
12	0.113	8.798	0.603087	0.459113
12	0.169	8.798	-0.347538	0.466300
12	0.225	8.798	-1.298	0.420015
13	0	8.798	2.382	0.420015
13	0.0562	8.798	1.431	0.527261
13	0.112	8.798	0.480674	0.581036
13	0.169	8.798	-0.469951	0.581337
13	0.225	8.798	-1.421	0.528166
14	0	8.798	2.267	0.528166
14	0.0563	8.798	1.316	0.628945
14	0.113	8.798	0.365688	0.676251
14	0.169	8.798	-0.584937	0.670085
14	0.225	8.798	-1.536	0.610446
15	0	8.798	2.158	0.610446
15	0.0563	8.798	1.207	0.705096

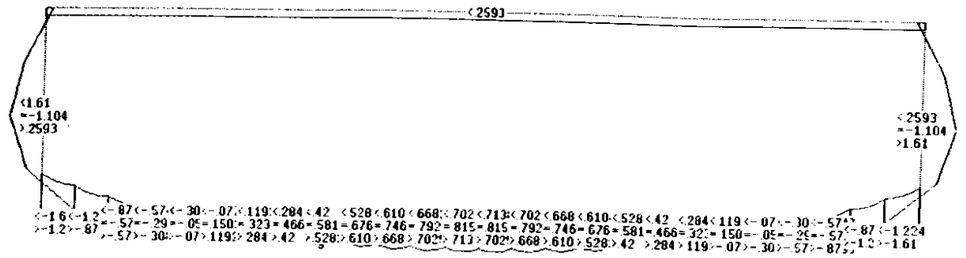
ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
15	0.113	8.798	0.256735	0.746274
15	0.169	8.798	-0.693890	0.733979
15	0.225	8.798	-1.645	0.668211
16	0	8.798	2.053	0.668211
16	0.0563	8.798	1.103	0.756983
16	0.113	8.798	0.152226	0.792282
16	0.169	8.798	-0.798399	0.774108
16	0.225	8.798	-1.749	0.702462
17	0	8.798	1.952	0.702462
17	0.0562	8.798	1.001	0.785508
17	0.112	8.798	0.050437	0.815082
17	0.169	8.798	-0.900188	0.791182
17	0.225	8.798	-1.851	0.713810
18	0	8.798	1.851	0.713810
18	0.0563	8.798	0.900188	0.791182
18	0.113	8.798	-0.050437	0.815082
18	0.169	8.798	-1.001	0.785508
18	0.225	8.798	-1.952	0.702462
19	0	8.798	1.749	0.702462
19	0.0563	8.798	0.798399	0.774108
19	0.113	8.798	-0.152226	0.792282
19	0.169	8.798	-1.103	0.756983
19	0.225	8.798	-2.053	0.668211
20	0	8.798	1.645	0.668211
20	0.0563	8.798	0.693890	0.733979
20	0.113	8.798	-0.256735	0.746274
20	0.169	8.798	-1.207	0.705096
20	0.225	8.798	-2.158	0.610446
21	0	8.798	1.536	0.610446
21	0.0563	8.798	0.584937	0.670085
21	0.113	8.798	-0.365688	0.676251
21	0.169	8.798	-1.316	0.628945
21	0.225	8.798	-2.267	0.528166
22	0	8.798	1.421	0.528166
22	0.0562	8.798	0.469951	0.581337
22	0.112	8.798	-0.480674	0.581036
22	0.169	8.798	-1.431	0.527261
22	0.225	8.798	-2.382	0.420015
23	0	8.798	1.298	0.420015
23	0.0563	8.798	0.347538	0.466300
23	0.113	8.798	-0.603087	0.459113
23	0.169	8.798	-1.554	0.398453
23	0.225	8.798	-2.504	0.284320
24	0	8.798	1.167	0.284320

ESFUERZOS: "ALL"

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]
24	0.0562	8.798	0.216557	0.323238
24	0.112	8.798	-0.734068	0.308683
24	0.169	8.798	-1.685	0.240655
24	0.225	8.798	-2.635	0.119155
25	0	8.798	1.027	0.119155
25	0.0562	8.798	0.076185	0.150176
25	0.112	8.798	-0.874440	0.127725
25	0.169	8.798	-1.825	0.051802
25	0.225	8.798	-2.776	-0.077594
26	0	8.798	0.876615	-0.077594
26	0.0563	8.798	-0.074010	-0.055021
26	0.113	8.798	-1.025	-0.085921
26	0.169	8.798	-1.975	-0.170293
26	0.225	8.798	-2.926	-0.308137
27	0	8.798	0.716623	-0.308137
27	0.0562	8.798	-0.234002	-0.294564
27	0.112	8.798	-1.185	-0.334463
27	0.169	8.798	-2.135	-0.427834
27	0.225	8.798	-3.086	-0.574678
28	0	8.798	0.547404	-0.574678
28	0.0563	8.798	-0.403221	-0.570623
28	0.113	8.798	-1.354	-0.620041
28	0.169	8.798	-2.304	-0.722931
28	0.225	8.798	-3.255	-0.879294
29	0	8.798	0.370154	-0.879294
29	0.0562	8.798	-0.580471	-0.885209
29	0.112	8.798	-1.531	-0.944597
29	0.169	8.798	-2.482	-1.057
29	0.225	8.798	-3.432	-1.224
30	0	8.798	0.186780	-1.224
30	0.0562	8.798	-0.763845	-1.240
30	0.112	8.798	-1.714	-1.310
30	0.169	8.798	-2.665	-1.433
30	0.225	8.798	-3.616	-1.610

Escala 1 : 41.0
Section force, Hipótesi 22 (Empuje hidrostático), View "ALL"
- Struktur: Staebe
- Moment My , Scaling 2.00E-01
  min: -1.61E+00 max: 1.61E+00 [kNm]
- Text Moment My [kNm]



5.5 Cajón. Estado Límite de Servicio

El cálculo de la envolvente de esfuerzos en servicio permite el dimensionamiento de la cimentación y los listados correspondientes se incluyen a continuación

Estos listados deben permitir la comprobación de los cálculos por personas ajenas al proyecto.

ENVOLVENTE: BL 'E.L.S.'

Grupo	Espe.	Hipótesis	Factor	Etapa	Título
A	PERM.	1	1.000		Peso propio
	Y	5	0.700000		Carga muerta
	Y	16	0.660000		Empuje lado 1 servicio. Reposo
	Y	17	0.660000		Empuje lado 2 servicio. Reposo
B	O	1	1.000		Peso propio
	Y	5	1.300		Carga muerta
C	MAS	6	1.000		Tren A
	Y	16	0.660000		Empuje lado 1 servicio. Reposo
	Y	17	0.660000		Empuje lado 2 servicio. Reposo
D	O	7	1.000		Tren B
E	O	8	1.000		Tren UIC71 + UIC71
F	O	9	1.000		Tren SW2 + UIC71
G	MAS	18	1.000		Empuje lado 1. SC 3T/m2
H	MAS	19	1.000		Empuje lado 2. SC 3T/m2
I	MAS	20	1.000		Frenado
J	MAS	21	1.000		Gradiente térmico
K	MAS	22	1.000		Empuje hidrostático

ALTERNATIVA PARA ENVOLVENTE:

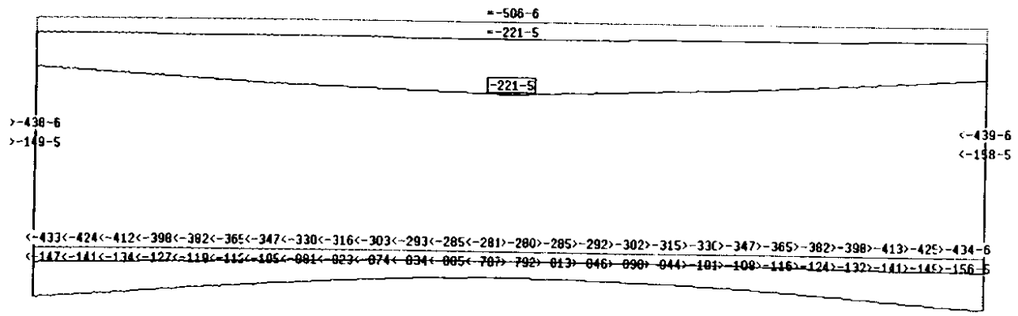
L	PERM.	1	1.000		Peso propio
	Y	11	0.660000		Empuje lado 2 const. Reposo.
	Y	12	0.660000		Empuje lado 1 cons bajo. Repos
M	O	1	1.000		Peso propio
	Y	10	0.660000		Empuje lado 1 const. Reposo.
	Y	13	0.660000		Empuje lado 2 const bajo. Repo
N	MAS	14	1.000		Empuje lado 1. SC maquinaria.
O	MAS	15	1.000		Empuje lado 2. SC maquinaria
P	MAS	21	1.000		Gradiente térmico
Q	MAS	10	0.330000		Empuje lado 1 const. Reposo.

	Y	13	0.330000	Empuje lado 2 const bajo. Repo
R	O	11	0.330000	Empuje lado 2 const. Reposo.
	Y	12	0.330000	Empuje lado 1 cons bajo. Repos

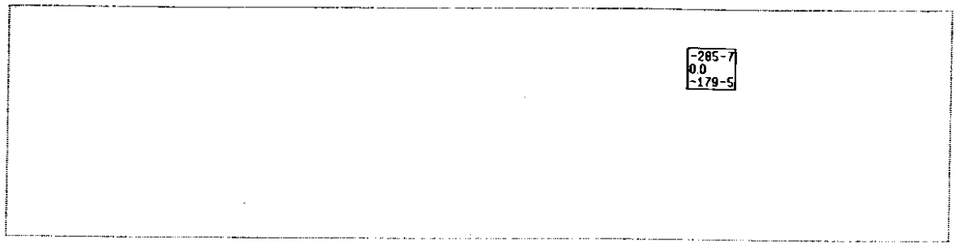
Escala 1 : 41.3
Displacements envelope DX [M], GWSP BL (E.L.S.), View "ALL"
- Struktur: Staebe
- Minimum displacements DX, Ueberh: 2.0E3
- Maximum displacements DX, Ueberh: 2.0E3
- Label minimum value DX-Min. [M]
- Label maximum value DX-Max. [M]



Escala 1 : 38.1
Displacements envelope DZ [M], GWSP BL (E.L.S.), View "ALL"
- Struktur: Staebe
- Minimum displacements DZ, Ueberh: 2.0E2
- Beschriftung Min.Verschiebungen DZ [M]
- Maximum displacements DZ, Ueberh: 2.0E2
- Beschriftung Max.Verschiebungen DZ [M]
- Label minimum value DZ-Min. [M]



Escala 1 : 38.1
Deformed structure, GWSP BL (E.L.S.), View "ALL"
- Struktur: Staebe
- V-Max , Text: Vx,Vy,Vz [M]



ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
2	0	-228.556	-23.787	-139.210	B E G K
		-64.081	69.343	-46.885	L O P R
2	0.347	-223.346	-18.651	-146.537	B E G K
		-58.871	63.424	-23.864	L O P R
2	0.695	-218.137	-14.983	-152.335	B E G K
		-53.662	58.701	-2.691	L O P R
2	0.927	-214.657	-13.350	-155.609	B E G K
		-50.182	56.211	10.629	L O P R
2	1.042	-212.927	-12.781	-157.114	B E G K
		-48.452	55.172	17.049	L O P R
2	1.389	-207.717	-12.048	-161.384	B E G K
		-43.242	52.838	35.771	L O P R
3	0	-212.226	31.257	-174.098	B E H I
		-43.242	-52.455	35.536	M N P Q
3	0.347	-217.436	31.257	-163.242	B E H I
		-48.452	-54.789	16.947	M N P Q
3	0.463	-219.165	31.257	-159.638	B E H I
		-50.181	-55.828	10.572	M N P Q
3	0.695	-222.645	31.257	-152.386	B E H I
		-53.662	-58.317	-2.660	M N P Q
3	1.042	-227.855	31.257	-141.530	B E H I
		-58.871	-63.041	-23.700	M N P Q
3	1.389	-233.065	31.257	-130.674	B E H I
		-64.081	-68.960	-46.588	M N P Q
4	0	-41.151	156.138	-141.223	A C G H
		71.823	88.457	8.867	B I J K
4	0.524	-41.151	143.533	-62.647	A C G H
		68.692	71.789	50.884	B I J K
4	0.526	-41.151	143.505	-62.479	A C G H

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		68.685	71.752	50.968	B I J K
4	1.424	-41.151	121.900	56.798	A C G H
		63.319	43.184	102.622	B I J K
4	1.426	-41.151	64.651	56.907	A C G H
		63.312	43.147	102.673	B I J K
4	1.462	-41.151	63.764	59.277	A C G H
		63.092	41.974	104.244	B I J K
4	2.124	-41.151	47.854	96.218	A C G H
		59.140	20.936	125.065	B I J K
4	2.126	-41.151	47.826	96.274	A C G H
		59.133	20.899	125.089	B I J K
4	2.924	-41.151	28.624	126.809	A C G H
		55.121	-0.152550	98.143	L P
4	2.925	-41.151	28.610	126.826	A C G H
		55.121	-0.161325	98.143	L P
4	2.926	-41.151	-28.624	126.809	A C G H
		55.121	-0.170100	98.142	L P
4	3.724	-45.379	-52.334	93.004	A C G H I
		55.121	-12.153	93.221	L P
4	3.726	-45.386	-52.362	92.942	A C G H I
		55.121	-12.170	93.206	L P
4	4.387	-49.338	-68.273	53.017	A C G H I
		55.121	-22.099	81.865	L P
4	4.424	-49.558	-69.160	50.481	A C G H I
		55.121	-22.653	81.039	L P
4	4.426	-49.565	-126.408	50.366	A C G H I
		55.121	-22.670	81.012	L P
4	5.324	-54.931	-148.013	-72.963	A C G H I
		55.121	-36.153	54.577	L P
4	5.326	-54.938	-148.041	-73.136	A C G H I
		55.121	-36.170	54.534	L P
4	5.850	-58.069	-160.647	-154.077	A C G H I
		55.121	-44.036	33.504	L P
5	0	-75.996	-78.600	57.729	A G J
		46.668	-167.426	140.332	B C H I K
5	0.0563	-75.996	-79.444	53.284	A G J
		46.668	-169.220	130.864	B C H I K
5	0.113	-75.996	-80.288	48.791	A G J
		46.668	-171.015	121.294	B C H I K
5	0.169	-75.996	-81.132	44.251	A G J
		46.668	-172.809	111.624	B C H I K
5	0.225	-75.996	-81.975	39.664	A G J
		46.668	-174.603	101.853	B C H I K
6	0	-75.996	-68.742	39.664	A G J
		46.668	-148.743	101.853	B C H I K
6	0.0563	-75.996	-69.586	35.773	A G J
		46.668	-150.537	93.436	B C H I K
6	0.113	-75.996	-70.430	31.835	A G J
		46.668	-152.332	84.918	B C H I K

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
6	0.169	-75.996	-71.273	27.850	A G J
		46.668	-154.126	76.299	B C H I K
6	0.225	-75.996	-72.117	23.817	A G J
		46.668	-155.921	67.579	B C H I K
7	0	-75.996	-59.463	23.817	A G J
		46.668	-130.968	67.579	B C H I K
7	0.0563	-75.996	-60.307	20.449	A G J
		46.668	-132.762	60.161	B C H I K
7	0.113	-75.996	-61.150	17.033	A G J
		46.668	-134.557	52.643	B C H I K
7	0.169	-75.996	-61.994	13.569	A G J
		46.668	-136.351	45.024	B C H I K
7	0.225	-75.996	-62.838	10.058	A G J
		46.668	-138.145	37.304	B C H I K
8	0	-75.996	-50.820	10.058	A G J
		46.668	-114.261	37.304	B C H I K
8	0.0562	-75.996	-51.664	7.176	A G J
		46.668	-116.055	30.826	B C H I K
8	0.112	-75.996	-52.507	4.246	A G J
		46.668	-117.849	24.247	B C H I K
8	0.169	-75.996	-53.351	1.269	A G J
		46.668	-119.644	17.568	B C H I K
8	0.225	-75.996	-54.195	-1.756	A G J
		46.668	-121.438	10.787	B C H I K
9	0	-75.996	-42.837	-1.756	A G J
		46.668	-98.711	10.787	B C H I K
9	0.0562	-75.996	-43.681	-4.189	A G J
		46.668	-100.505	5.184	B C H I K
9	0.112	-75.996	-44.525	-6.670	A G J
		46.668	-102.299	-0.519399	B C H I K
9	0.169	-75.996	-45.368	-9.198	A G J
		46.668	-104.094	-6.324	B C H I K
9	0.225	-75.996	-46.212	-11.774	A G J
		46.668	-105.888	-12.230	B C H I K
10	0	-75.996	-35.511	-11.774	A G J
		46.668	-84.345	-12.230	B C H I K
10	0.0563	-75.996	-36.355	-13.795	A G J
		46.668	-86.139	-17.025	B C H I K
10	0.113	-75.996	-37.199	-15.864	A G J
		46.668	-87.933	-21.921	B C H I K
10	0.169	-75.996	-38.043	-17.980	A G J
		46.668	-89.728	-26.917	B C H I K
10	0.225	-75.996	-38.886	-20.144	A G J
		46.668	-91.522	-32.015	B C H I K
11	0	-75.996	-28.816	-20.144	A G J
		46.668	-71.136	-32.015	B C H I K

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
11	0.0562	-75.996	-29.660	-21.788	A G J
		46.668	-72.930	-36.067	B C H I K
11	0.112	-75.996	-30.504	-23.481	A G J
		46.668	-74.724	-40.220	B C H I K
11	0.169	-75.996	-31.348	-25.220	A G J
		46.668	-76.519	-44.473	B C H I K
11	0.225	-75.996	-32.191	-27.007	A G J
		46.668	-78.313	-48.828	B C H I K
12	0	-75.996	-22.705	-27.007	A G J
		46.668	-59.010	-48.828	B C H I K
12	0.0563	-75.996	-23.549	-28.308	A G J
		46.668	-60.805	-52.198	B C H I K
12	0.113	-75.996	-24.392	-29.656	A G J
		46.668	-62.599	-55.668	B C H I K
12	0.169	-75.996	-25.236	-31.052	A G J
		46.668	-64.393	-59.240	B C H I K
12	0.225	-75.996	-26.080	-32.495	A G J
		46.668	-66.188	-62.913	B C H I K
13	0	-75.996	-17.115	-32.495	A G J
		46.668	-47.855	-62.913	B C H I K
13	0.0562	-75.996	-17.959	-33.482	A G J
		46.668	-49.650	-65.655	B C H I K
13	0.112	-75.996	-18.802	-34.516	A G J
		46.668	-51.444	-68.498	B C H I K
13	0.169	-75.996	-19.646	-35.597	A G J
		46.668	-53.238	-71.442	B C H I K
13	0.225	-75.996	-20.490	-36.726	A G J
		46.668	-55.033	-74.488	B C H I K
14	0	-75.996	-11.971	-36.726	A G J
		46.668	-37.525	-74.488	B C H I K
14	0.0563	-75.996	-12.814	-37.423	A G J
		46.668	-39.319	-76.649	B C H I K
14	0.113	-75.996	-13.658	-38.168	A G J
		46.668	-41.113	-78.911	B C H I K
14	0.169	-75.996	-14.502	-38.960	A G J
		46.668	-42.908	-81.274	B C H I K
14	0.225	-75.996	-15.346	-39.799	A G J
		46.668	-44.702	-83.738	B C H I K
15	0	-75.996	-7.187	-39.799	A G J
		46.668	-27.845	-83.738	B C H I K
15	0.0563	-75.996	-8.031	-40.227	A G J
		46.668	-29.639	-85.355	B C H I K
15	0.113	-75.996	-8.874	-40.702	A G J
		46.668	-31.434	-87.073	B C H I K
15	0.169	-75.996	-9.718	-41.225	A G J
		46.668	-33.228	-88.891	B C H I K
15	0.225	-75.996	-10.562	-41.796	A G J

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		46.668	-35.022	-90.811	B C H I K
16	0	-75.996	-2.670	-41.796	A G J
		46.668	-18.621	-90.811	B C H I K
16	0.0563	-75.996	-3.514	-41.970	A G J
		46.668	-20.415	-91.909	B C H I K
16	0.113	-75.996	-4.358	-42.191	A G J
		46.668	-22.210	-93.107	B C H I K
16	0.169	-75.996	-5.202	-42.460	A G J
		46.668	-24.004	-94.407	B C H I K
16	0.225	-75.996	-6.045	-42.776	A G J
		46.668	-25.798	-95.808	B C H I K
17	0	-75.996	1.676	-42.776	A G J
		46.668	-9.641	-95.808	B C H I K
17	0.0562	-75.996	0.832039	-42.706	A G J
		46.668	-11.435	-96.401	B C H I K
17	0.112	-75.996	-0.011711	-42.683	A G J
		46.668	-13.230	-97.094	B C H I K
17	0.169	-75.996	-0.855461	-42.707	A G J
		46.668	-15.024	-97.889	B C H I K
17	0.225	-75.996	-1.699	-42.779	A G J
		46.668	-16.818	-98.785	B C H I K
18	0	-75.996	5.952	-42.779	A G J
		46.668	-0.681788	-98.785	B C H I K
18	0.0563	-75.996	5.108	-42.468	A G J
		46.668	-2.476	-98.873	B C H I K
18	0.113	-75.996	4.264	-42.204	A G J
		46.668	-4.271	-99.063	B C H I K
18	0.169	-75.996	3.420	-41.988	A G J
		46.668	-6.065	-99.354	B C H I K
18	0.225	-75.996	2.577	-41.820	A G J
		46.668	-7.859	-99.745	B C H I K
19	0	-75.996	10.257	-41.820	A G J
		46.668	8.487	-99.745	B C H I K
19	0.0563	-75.996	9.413	-41.266	A G J
		46.668	6.693	-99.318	B C H I K
19	0.113	-75.996	8.569	-40.761	A G J
		46.668	4.898	-98.992	B C H I K
19	0.169	-75.996	7.725	-40.302	A G J
		46.668	3.104	-98.767	B C H I K
19	0.225	-75.996	6.882	-39.891	A G J
		46.668	1.310	-98.643	B C H I K
20	0	-75.996	14.688	-39.891	A G J
		46.668	18.099	-98.643	B C H I K
20	0.0563	-75.996	13.845	-39.089	A G J
		46.668	16.304	-97.676	B C H I K
20	0.113	-75.996	13.001	-38.334	A G J

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		46.668	14.510	-96.809	B C H I K
20	0.169	-75.996	12.157	-37.626	A G J
		46.668	12.715	-96.043	B C H I K
20	0.225	-75.996	11.313	-36.966	A G J
		46.668	10.921	-95.379	B C H I K
21	0	-75.996	19.340	-36.966	A G J
		46.668	28.382	-95.379	B C H I K
21	0.0563	-75.996	18.496	-35.902	A G J
		46.668	26.588	-93.833	B C H I K
21	0.113	-75.996	17.653	-34.885	A G J
		46.668	24.794	-92.387	B C H I K
21	0.169	-75.996	16.809	-33.916	A G J
		46.668	22.999	-91.043	B C H I K
21	0.225	-75.996	15.965	-32.994	A G J
		46.668	21.205	-89.800	B C H I K
22	0	-75.996	24.297	-32.994	A G J
		46.668	39.561	-89.800	B C H I K
22	0.0562	-75.996	23.454	-31.651	A G J
		46.668	37.767	-87.625	B C H I K
22	0.112	-75.996	22.610	-30.356	A G J
		46.668	35.972	-85.551	B C H I K
22	0.169	-75.996	21.766	-29.108	A G J
		46.668	34.178	-83.578	B C H I K
22	0.225	-75.996	20.922	-27.907	A G J
		46.668	32.383	-81.706	B C H I K
23	0	-75.996	29.637	-27.907	A G J
		46.668	51.843	-81.706	B C H I K
23	0.0563	-75.996	28.794	-26.264	A G J
		46.668	50.049	-78.841	B C H I K
23	0.113	-75.996	27.950	-24.668	A G J
		46.668	48.255	-76.076	B C H I K
23	0.169	-75.996	27.106	-23.119	A G J
		46.668	46.460	-73.412	B C H I K
23	0.225	-75.996	26.262	-21.618	A G J
		46.668	44.666	-70.849	B C H I K
24	0	-75.996	35.425	-21.618	A G J
		46.668	65.420	-70.849	B C H I K
24	0.0562	-75.996	34.581	-19.650	A G J
		46.668	63.626	-67.220	B C H I K
24	0.112	-75.996	33.737	-17.728	A G J
		46.668	61.831	-63.691	B C H I K
24	0.169	-75.996	32.894	-15.854	A G J
		46.668	60.037	-60.263	B C H I K
24	0.225	-75.996	32.050	-14.028	A G J
		46.668	58.243	-56.937	B C H I K
25	0	-75.996	41.710	-14.028	A G J

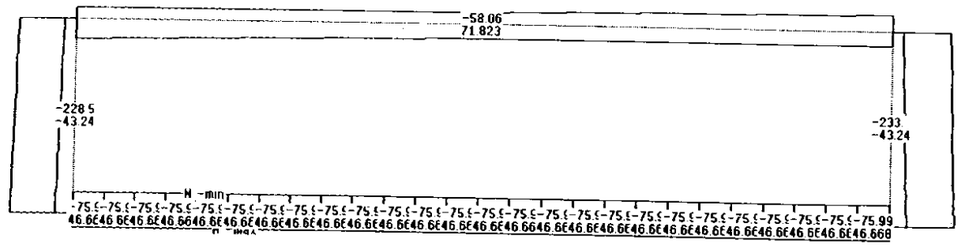
ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		46.668	80.455	-56.937	B C H I K
25	0.0562	-75.996	40.866	-11.705	A G J
		46.668	78.661	-52.462	B C H I K
25	0.112	-75.996	40.022	-9.430	A G J
		46.668	76.867	-48.088	B C H I K
25	0.169	-75.996	39.178	-7.203	A G J
		46.668	75.072	-43.814	B C H I K
25	0.225	-75.996	38.335	-5.023	A G J
		46.668	73.278	-39.642	B C H I K
26	0	-75.996	48.524	-5.023	A G J
		46.668	97.081	-39.642	B C H I K
26	0.0563	-75.996	47.680	-2.317	A G J
		46.668	95.287	-34.232	B C H I K
26	0.113	-75.996	46.836	0.341401	A G J
		46.668	93.492	-28.922	B C H I K
26	0.169	-75.996	45.993	2.952	A G J
		46.668	91.698	-23.714	B C H I K
26	0.225	-75.996	45.149	5.516	A G J
		46.668	89.903	-18.606	B C H I K
27	0	-75.996	55.879	5.516	A G J
		46.668	115.388	-18.606	B C H I K
27	0.0562	-75.996	55.035	8.635	A G J
		46.668	113.594	-12.166	B C H I K
27	0.112	-75.996	54.191	11.707	A G J
		46.668	111.799	-5.827	B C H I K
27	0.169	-75.996	53.347	14.732	A G J
		46.668	110.005	0.411351	B C H I K
27	0.225	-75.996	52.504	17.709	A G J
		46.668	108.211	6.549	B C H I K
28	0	-75.996	63.760	17.709	A G J
		46.668	135.418	6.549	B C H I K
28	0.0563	-75.996	62.917	21.271	A G J
		46.668	133.624	14.115	B C H I K
28	0.113	-75.996	62.073	24.787	A G J
		46.668	131.830	21.581	B C H I K
28	0.169	-75.996	61.229	28.255	A G J
		46.668	130.035	28.946	B C H I K
28	0.225	-75.996	60.385	31.675	A G J
		46.668	128.241	36.210	B C H I K
29	0	-75.996	72.127	31.675	A G J
		46.668	157.155	36.210	B C H I K
29	0.0562	-75.996	71.283	35.708	A G J
		46.668	155.360	45.000	B C H I K
29	0.112	-75.996	70.439	39.694	A G J
		46.668	153.566	53.688	B C H I K
29	0.169	-75.996	69.595	43.633	A G J
		46.668	151.771	62.276	B C H I K

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
29	0.225	-75.996	68.752	47.524	A G J
		46.668	149.977	70.763	B C H I K
30	0	-75.996	80.902	47.524	A G J
		46.668	180.509	70.763	B C H I K
30	0.0562	-75.996	80.058	52.051	A G J
		46.668	178.715	80.866	B C H I K
30	0.112	-75.996	79.215	56.530	A G J
		46.668	176.921	90.868	B C H I K
30	0.169	-75.996	78.371	60.962	A G J
		46.668	175.126	100.769	B C H I K
30	0.225	-75.996	77.527	65.347	A G J
		46.668	173.332	110.570	B C H I K

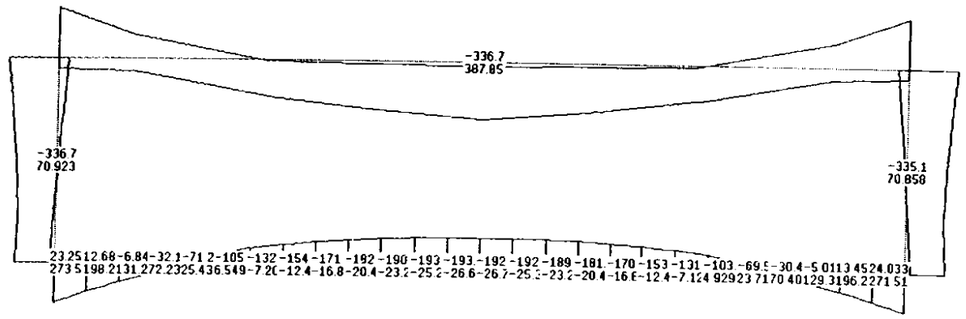
Escala 1 : 44.2
Section forces envelope N , GWSP BL (E.L.S.), View "ALL"
- Struktur: Staebe
- Envelop Normal force N-min, Scaling 2.00E-03
  min: -2.33E+02 max: -4.12E+01 [kN]
- Envelop Normal force N-max, Scaling 2.00E-03
  min: -6.41E+01 max: 7.18E+01 [kN]
- Text envelopes [kN]



ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
27	0	95.656	212.425	-30.450	B C H I L
		-134.461	96.678	23.710	A G J K
27	0.0562	39.837	85.383	-18.776	B H I L
		-117.017	230.145	31.853	A E G J K
27	0.112	39.837	82.818	-14.045	B H I L
		-117.017	229.006	44.767	A E G J K
27	0.169	39.837	80.253	-9.459	B H I L
		-117.017	227.867	57.616	A E G J K
27	0.225	39.837	77.688	-5.017	B H I L
		-117.017	226.728	70.402	A E G J K
28	0	39.837	104.308	-5.017	B H I L
		-117.017	264.385	70.402	A E G J K
28	0.0563	39.837	101.743	0.778390	B H I L
		-117.017	263.246	85.241	A E G J K
28	0.113	39.837	99.178	6.429	B H I L
		-117.017	262.107	100.017	A E G J K
28	0.169	8.686	38.373	11.361	N P R T
		-117.017	260.968	114.728	A E G J K
28	0.225	8.686	36.103	13.456	N P R T
		-117.017	259.828	129.376	A E G J K
29	0	8.686	51.550	13.456	N P R T
		-117.017	299.620	129.376	A E G J K
29	0.0562	8.686	49.280	16.292	N P R T
		-117.017	298.481	146.197	A E G J K
29	0.112	8.686	47.010	19.000	N P R T
		-117.017	297.342	162.955	A E G J K
29	0.169	8.686	44.740	21.580	N P R T
		-117.017	296.203	179.648	A E G J K
29	0.225	8.686	42.471	24.033	N P R T
		-117.017	295.064	196.278	A E G J K
30	0	8.686	58.356	24.033	N P R T
		-117.017	336.685	196.278	A E G J K
30	0.0562	8.686	56.086	27.252	N P R T
		-117.017	335.546	215.184	A E G J K
30	0.112	8.686	53.817	30.343	N P R T
		-117.017	334.406	234.027	A E G J K
30	0.169	8.686	51.547	33.306	N P R T
		-117.017	333.267	252.805	A E G J K
30	0.225	8.686	49.277	36.142	N P R T
		-117.017	332.128	271.519	A E G J K

Escala 1 : 42.5
Section forces envelope My, GWSP BM (E.C.U.), View "ALL"
- Struktur: Staebe
- Envelop Moment My-min, Scaling 1.00E-03
  min: -3.37E+02 max: 3.61E+01 [kNm]
- Envelop Moment My-max, Scaling 1.00E-03
  min: -3.61E+01 max: 3.88E+02 [kNm]
- Text envelopes [kNm]



ARMADURA DE HASTIALES

Armadura vertical mínima: $A_{min} = \frac{0'9}{1000} \cdot 60 \cdot 100 = 5'4 \frac{cm^2}{m}$

Armadura vertical de trasdós

$M_d = -341'7$ kN.m → $A_s = 15'29\ cm^2/m$ → φ16 a 0'10m

Posición ⑤

Armadura vertical de intradós

$M_d = 49'7$ kN.m → $A_s = 2'22\ cm^2/m < 5'4 \frac{cm^2}{m}$ → φ16 a 0'20m

Posición ⑦

Armadura de "espera"

$M_d = -93'856$ kN.m → $A_s = 4'2\ cm^2/m < 5'4 \frac{cm^2}{m}$ → φ16 a 0'20m

Posición ④
Posición ⑥

Armadura horizontal

$A_{min} = \frac{1}{2} \frac{3'2}{1000} \times 60 \times 100 = 9'6 \frac{cm^2}{m}$ → 5φ16 p.m. → φ16 a 0'15m

Posición ⑧ ⑧a ⑨ ⑨a

Armadura de cortante

$V_d = 193'7$ kN = 19'37 kN

$V_{cu} = \left[0'1\ (1 + \sqrt{\frac{200}{560}})\ (100 \cdot 0'0032 \cdot 25)^{1/3} - \frac{(-4'166)}{0'6 \times 1 \times 10^2}\right] 0'56 \cdot 1 \cdot 100 = 21'78$ Tn

siendo innecesaria la armadura de cortante

ARMADURA DE LOSA SUPERIOR

Armadura transversal de losa

$A_{min} = \frac{1'8}{1000} \times 100 \times 60 = 10'8 \frac{cm^2}{m}$ → φ16 a 0'15m en cada cara

Posición ⑪ ⑪a ⑫ ⑫a

Armadura longitudinal de pavimento inferior

$M_d = 37'141$ mkN → 15'63 cm^2/m → φ16 a 0'10 m

Posición ⑩

Armadura longitudinal de pavimento superior

$M_d = -341'7$ mkN → 14'33 cm^2/m → φ16 a 0'10 m ⑤ que cubre el momento que deja de existir a 1'5m del eje del hastial

Armadura de cortante

$V_d = 368'8$ kN = 36'88 Tn

$V_{ur} = V_{cu} + V_{su}$

$V_{cu} = 0'1 \cdot \left(1 + \sqrt{\frac{200}{560}}\right) (100 \cdot 0'0032 \cdot 25)^{1/3}\ 1 \cdot 0'56 \cdot 100 = 17'89$ Tn

$\rho_1 = \frac{A_s}{b \cdot d} = \frac{18'096}{100 \times 56} = 0'0032$

Es necesario colocar armadura hasta 2'15m del eje del apoyo

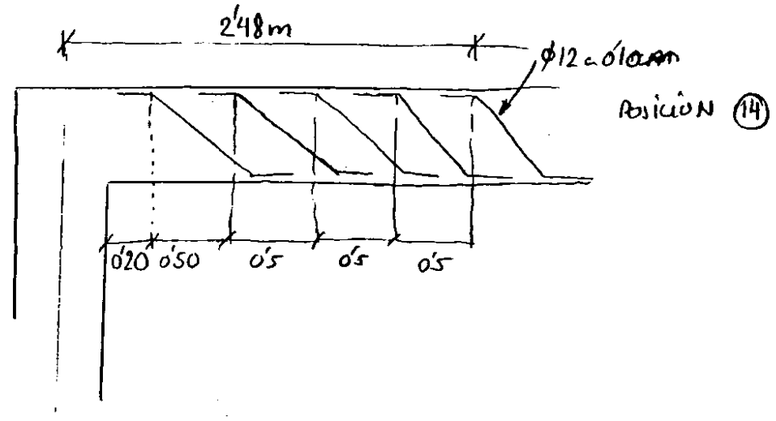
$V_{su} = 0'9 \cdot d \cdot \text{sen}\,\alpha\ (\text{cotg}\,\alpha + \text{cotg}\,\theta)\ A_\alpha\ f_{yd}$

$V_{su} = 0'9 \cdot 0'56 \cdot \frac{\sqrt{2}}{2} \cdot 2 \cdot A_{45°} \frac{5'1}{1'15} = 3'161 \cdot A_{45}$ (con A_{45} en $\frac{cm^2}{m}$

$36'88 \leq 17'89 + 3'161 \cdot A_{45°} \longrightarrow A_{45°} \geq 6'01\ cm^2/m$

$\Downarrow$

$\phi 12$ a $0'10$



REFUERZO EN LADOS LIBRES DE LOSA

$M^- = 187'7\ kNm \longrightarrow A_s = 7'91\ cm^2/0'5m \longrightarrow 3\phi 20 \rightarrow \phi 20$ a $0'15$ (Posición 18)

$M^+ = 300'9\ kNm \longrightarrow A_s = 13'07\ cm/0'5m \longrightarrow 5\phi 20 \rightarrow \phi 20$ a $0'1$ (Posición 19)

Cercos:

$V_{su} = 0'9 \cdot 0'56 \cdot 1 \cdot 1 \cdot A_{90°} \cdot \frac{5'1}{1'15} = 2'23\ A_{90}$

$36'88 \leq 17'89 + 2'23\ A_{90} \Rightarrow A_{90} \geq 8'51\ cm^2/m$

Si colocamos 2 cercos de $\phi 12$ son $4'52\ cm^2$ que han de separarse 30cm

ARMADURA DE LOSA INFERIOR

Armadura transversal y longitudinal mínima

$A_{min} = \frac{1'8}{1000} \cdot 100 \times 60 = 10'8\ \frac{cm^2}{m} \rightarrow \phi 16$ a $0'15m$ en cada cara

Posición (2) (2a) (16) (16a)

Armadura longitudinal de paramento inferior

$Md = 93'856\ mkN \rightarrow 3'82\ cm^2/m < 10'8\ \frac{cm^2}{m} \rightarrow \phi 16$ a $0'15m$

Posición (1)

Armadura longitudinal de paramento superior

$Md = 112'424\ mkN \rightarrow 4'585\ cm^2/m < 10'8\ \frac{cm^2}{m} \rightarrow \phi 16$ a $0'15m$

Posición (3)

Armadura de cortante

$Vd = 271'11\ kN = 27'1\ Tn$

$V_{cu} = 17'89\ Tn$

Es necesario colocar la armadura hasta $1'0 + 0'25m$ desde ejes de hastiales, pero como eso coincide dentro del nudo, no será necesario

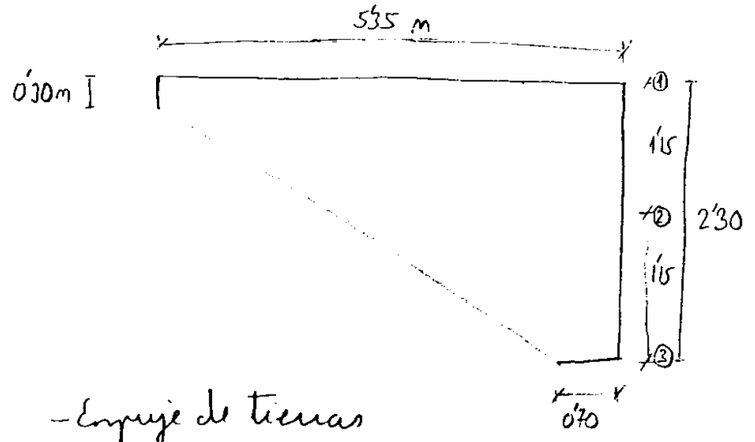
5.6 Cajón. Estado Límite Último

En este apartado se adjuntan los listados correspondientes a las envolventes de Estado Límite Último de:

- Esfuerzos flectores
- Esfuerzos cortantes
- Esfuezos axiles

5.7 Aletas

ARMADURA DE ALETAS



- Empuje de tierras

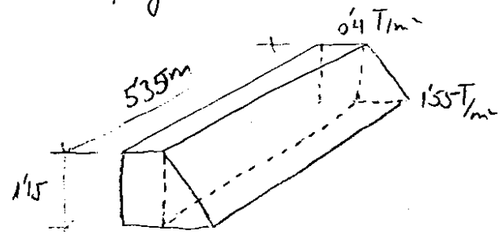
Si tenemos en cuenta que la cota del terreno está 40cm por encima de la aleta, los empujes en ① a ③ serán

① $2\ t/m^3 \cdot 0'4m \cdot 0'5 = 0'4\ T/m^2$

② $2\ t/m^3 \cdot 1'55m \cdot 0'5 = 1'55\ T/m^2$

③ $2t/m^3 \cdot 2'7m \cdot 0'5 = 2'7\ T/m^2$

- Empuje de ① a ②

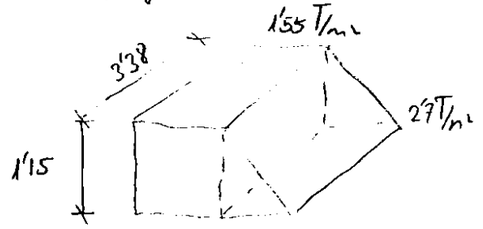


$V = 0'4 \times 5'35 \times 1'15 + \frac{1}{2} \times 5'35 \cdot 1'15 (1'55 - 0'4)$

$V = 5'99\ T$

$e = \frac{5'35}{2} = 2'675m$

- Empuje de ② a ③



$V = 1'55 \times 3'38 \times 1'15 + \frac{1}{2} \cdot 3'38 \cdot 1'15 (2'7 - 1'55)$

$V = 8'26$

$e = 1'69m$

- Para la sobrecarga de 1T/m² se tendría un proceso parecido

① $1 \times 0'4 \times 0'5 = 0'2\ T/m^2$

② $1 \times 1'55 \times 0'5 = 0'78\ T/m^2$

③ $1 \times 2'7 \cdot 0'5 = 1'35\ T/m^2$

• Empuje de ① a ②

$$V = 0'2 \times 5'35 \times 1'15 + \frac{1}{2} 5'35 \times 1'15\ (0'78 - 0'2) = 3'01\ T$$

• Empuje de ② a ③

$$V = 0'78 \times 3'38 \times 1'15 + \frac{1}{2} 3'38 \cdot 1'15\ (1'35 - 0'78) = 4'13\ T$$

- Momentos de cálculo

ZONA A: $Md_A = (5'99 + 3'01) \times 2'675 \times 1'5 = 36'11\ mT$

ZONA B: $Md_B = (8'26 + 4'13) \times 1'69 \times 1'5 = 31'41\ mT$

- Armadura de flexión en el eje vertical

ZONA A: $b = 1'15m$ $d = 0'41 \rightarrow A_s = 21'38 cm^2 \rightarrow \phi 20$ a $0'15m$

ZONA B: $b = 1'15m$ $d = 0'41 \rightarrow A_{s1} = 18'40 cm^2 \rightarrow \phi 20$ a $0'15m$

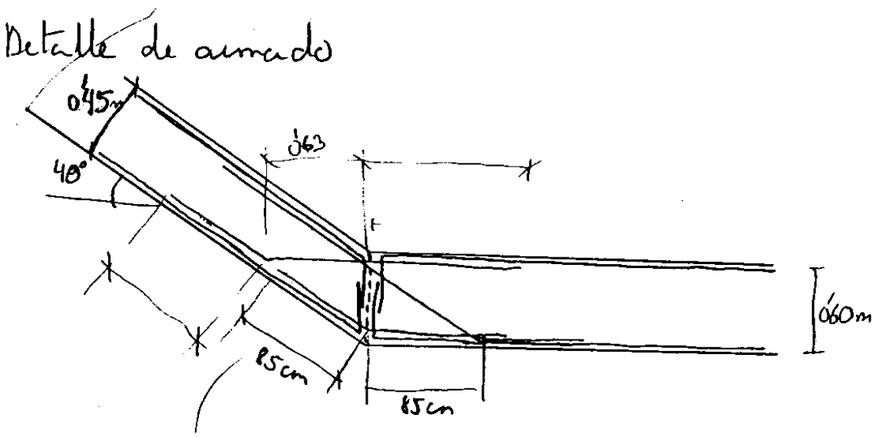
- Armadura de flexión en eje horizontal

$$Peso = \left(5'35 \times 2'30 - \frac{1}{2} 4'65 \times 2\right) \cdot 2'5 \times 0'45 = 8'61\ T$$

$$Md = 1'5 \left[5'35 \times 2'3 \times 2'5 \times 0'45 \times \frac{5'35}{2} - \frac{1}{2} 4'65 \cdot 2 \times 2'5 \times 0'45 \left(\frac{2}{3} 4'65 + 0'70\right)\right] = 25mT$$

$\downarrow$ $1\phi 20$

- Detalle de armado



- Armadura mínima

Vertical: $\frac{0'9}{1000} \times 45 \times 100 = 4'05 \frac{cm^2}{m} \rightarrow \phi 16$ a $0'20m$

Horizontal: $\frac{1}{2} 3'2 \times 45 \times 100 = 7'2 \frac{cm^2}{m} \rightarrow \phi 16$ a $0'15m$

ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
2	0	-200.806	-30.400	-120.715	B C G K
		-85.466	94.652	-77.345	A H I J
2	0.347	-195.596	-29.519	-131.101	B C G K
		-80.257	85.188	-46.138	A H I J
2	0.695	-190.387	-29.315	-140.193	B C G
		-75.047	76.526	-19.184	A H I J K
2	0.927	-186.907	-31.182	-147.218	B C G
		-71.567	72.812	-1.854	A H I J K
2	1.042	-162.520	-32.584	-132.611	A C G
		-92.494	71.463	-11.820	B H I J K
2	1.389	-156.138	-41.151	-141.223	A C G H
		-88.457	71.823	8.867	B I J K
3	0	-44.036	-55.121	33.504	L P
		-160.647	58.069	-154.077	A C G H I
3	0.347	-48.923	-55.408	15.228	M P
		-165.857	49.129	-135.415	A C G H I
3	0.463	-50.262	-56.200	10.134	M N P
		-191.415	47.450	-152.148	B C H I
3	0.695	-53.662	-58.317	-2.660	M N P Q
		-194.895	45.583	-141.348	B C H I
3	1.042	-84.765	-66.531	-40.619	A G J
		-200.105	45.787	-126.606	B C H I K
3	1.389	-89.975	-75.996	-65.347	A G J
		-205.315	46.668	-110.570	B C H I K
4	0	52.838	43.242	35.771	L O P R
		-12.048	207.717	-161.384	B E G K
4	0.524	52.838	35.376	56.386	L O P R
		-12.048	191.050	-56.824	B E G K
4	0.526	52.838	35.359	56.427	L O P R
		-30.901	163.263	-71.855	B C G K
4	1.424	52.838	21.876	82.149	L O P R
		-30.901	134.695	62.051	B C G K
4	1.426	52.838	21.859	82.175	L O P R
		-12.048	105.618	51.295	B E G K
4	1.462	52.838	21.305	82.972	L O P R
		-12.048	104.445	55.172	B E G K
4	2.124	52.838	11.376	93.788	L O P R
		-12.048	83.407	117.343	B E G K
4	2.126	52.838	11.359	93.801	L O P R
		-30.901	55.190	108.595	B C G K
4	2.924	44.114	-5.667	115.910	A H I J
		-30.901	29.801	142.542	B C G K
4	2.925	44.111	-5.681	115.907	A H I J
		-30.901	29.782	142.559	B C G K
4	2.926	19.112	-34.309	211.393	B C H I J
		-14.520	1.158	113.056	A E G K
4	3.724	14.343	-59.698	173.844	B C H I J
		0.691570	-11.359	25.186	M N Q
4	3.726	33.189	-87.916	182.587	B E H I J

ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		0.691570	-11.376	25.172	M N Q
4	4.387	29.238	-108.953	117.432	B E H I J
		0.691570	-21.305	14.356	M N Q
4	4.424	29.017	-110.127	113.388	B E H I J
		0.691570	-21.859	13.560	M N Q
4	4.426	10.157	-139.204	124.139	B C H I J
		0.691570	-21.876	13.534	M N Q
4	5.324	4.791	-167.771	-13.820	B C H I J
		0.691570	-35.359	-12.188	M N Q
4	5.326	23.637	-195.558	1.206	B E H I J
		0.691570	-35.376	-12.229	M N Q
4	5.850	20.506	-212.226	-105.718	B E H I J
		0.691570	-43.242	-32.844	M N Q
5	0	-57.613	-199.440	144.351	B E G J
		-5.295	-54.036	43.353	L O R
5	0.0563	-57.613	-200.284	133.109	B E G J
		-5.295	-54.880	40.290	L O R
5	0.113	-57.613	-201.127	121.820	B E G J
		-5.295	-55.724	37.179	L O R
5	0.169	-57.613	-201.971	110.482	B E G J
		-5.295	-56.568	34.021	L O R
5	0.225	-48.815	-203.002	97.874	B E G J K
		-5.295	-57.411	30.815	L O R
6	0	-52.776	-175.020	103.565	B E G H J
		-12.079	-47.561	27.445	M Q
6	0.0563	-52.776	-175.864	93.697	B E G H J
		-12.079	-48.405	24.746	M Q
6	0.113	-52.776	-176.707	83.781	B E G H J
		-12.079	-49.249	22.000	M Q
6	0.169	-52.776	-177.551	73.817	B E G H J
		-12.079	-50.093	19.206	M Q
6	0.225	-43.978	-178.765	62.927	B E G H J K
		-12.079	-50.936	16.364	M Q
7	0	-20.506	-153.901	79.849	B E H I J
		-17.197	-40.988	15.068	M N Q
7	0.0563	-20.506	-154.745	71.168	B E H I J
		-17.197	-41.832	12.739	M N Q
7	0.113	-20.506	-155.588	62.440	B E H I J
		-17.197	-42.675	10.362	M N Q
7	0.169	-20.506	-156.432	53.665	B E H I J
		-17.197	-43.519	7.938	M N Q
7	0.225	-11.708	-157.823	44.267	B E H I J K
		-17.197	-44.363	5.466	M N Q
8	0	-20.506	-134.543	44.842	B E H I J
		-17.197	-34.891	5.466	M N Q
8	0.0562	-20.506	-135.386	37.250	B E H I J
		-17.197	-35.735	3.480	M N Q

ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
8	0.112	-20.506	-136.230	29.611	B E H I J
		-17.197	-36.578	1.446	M N Q
8	0.169	-20.506	-137.074	21.924	B E H I J
		-17.197	-37.422	-0.634959	M N Q
8	0.225	-11.708	-138.634	13.882	B E H I J K
		-17.197	-38.266	-2.764	M N Q
9	0	-20.506	-116.492	14.190	B E H I J
		-17.197	-29.284	-2.764	M N Q
9	0.0562	-20.506	-117.336	7.613	B E H I J
		-17.197	-30.128	-4.435	M N Q
9	0.112	-20.506	-118.179	0.989472	B E H I J
		-17.197	-30.972	-6.153	M N Q
9	0.169	-20.506	-119.023	-5.682	B E H I J
		-17.197	-31.816	-7.919	M N Q
9	0.225	-11.708	-120.743	-12.478	B E H I J K
		-17.197	-32.659	-9.732	M N Q
10	0	-20.506	-99.783	-12.401	B E H I J
		-17.197	-24.163	-9.732	M N Q
10	0.0563	-20.506	-100.627	-18.037	B E H I J
		-17.197	-25.007	-11.115	M N Q
10	0.113	-20.506	-101.471	-23.721	B E H I J
		-17.197	-25.850	-12.546	M N Q
10	0.169	-11.708	-102.391	-29.302	B E H I J K
		-17.197	-26.694	-14.023	M N Q
10	0.225	-11.708	-104.185	-35.112	B E H I J K
		-17.197	-27.538	-15.549	M N Q
11	0	-20.506	-84.390	-35.232	B E H I J
		-17.197	-19.504	-15.549	M N Q
11	0.0562	-20.506	-85.234	-40.002	B E H I J
		-17.197	-20.348	-16.669	M N Q
11	0.112	-20.506	-86.077	-44.820	B E H I J
		-17.197	-21.191	-17.838	M N Q
11	0.169	-11.708	-87.138	-49.363	B E H I J K
		-17.197	-22.035	-19.053	M N Q
11	0.225	-11.708	-88.932	-54.315	B E H I J K
		-17.197	-22.879	-20.317	M N Q
12	0	-20.506	-70.230	-54.599	B E H I J
		-17.197	-15.271	-20.317	M N Q
12	0.0563	-20.506	-71.074	-58.573	B E H I J
		-17.197	-16.115	-21.199	M N Q
12	0.113	-20.506	-71.918	-62.595	B E H I J
		-17.197	-16.959	-22.130	M N Q
12	0.169	-11.708	-73.109	-66.198	B E H I J K
		-17.197	-17.803	-23.107	M N Q
12	0.225	-11.708	-74.903	-70.360	B E H I J K
		-17.197	-18.646	-24.132	M N Q

ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
13	0	-20.506	-57.178	-70.780	B E H I J
		-17.197	-11.419	-24.132	M N Q
13	0.0562	-20.506	-58.021	-74.020	B E H I J
		-17.197	-12.262	-24.798	M N Q
13	0.112	-20.506	-58.865	-77.308	B E H I J
		-17.197	-13.106	-25.512	M N Q
13	0.169	-11.708	-60.179	-80.061	B E H I J K
		-17.197	-13.950	-26.273	M N Q
13	0.225	-11.708	-61.973	-83.497	B E H I J K
		-17.197	-14.794	-27.081	M N Q
14	0	-20.506	-45.068	-84.025	B E H I J
		-17.197	-7.890	-27.081	M N Q
14	0.0563	-20.506	-45.912	-86.584	B E H I J
		-17.197	-8.733	-27.549	M N Q
14	0.113	-20.506	-46.755	-89.190	B E H I J
		-17.197	-9.577	-28.064	M N Q
14	0.169	-11.708	-48.184	-91.174	B E H I J K
		-17.197	-10.421	-28.626	M N Q
14	0.225	-11.708	-49.978	-93.935	B E H I J K
		-17.197	-11.265	-29.236	M N Q
15	0	-20.506	-33.705	-94.545	B E H I J
		-17.197	-4.621	-29.236	M N Q
15	0.0563	-20.506	-34.549	-96.465	B E H I J
		-17.197	-5.465	-29.520	M N Q
15	0.113	-20.506	-35.392	-98.432	B E H I J
		-17.197	-6.308	-29.851	M N Q
15	0.169	-11.708	-36.930	-99.712	B E H I J K
		-17.197	-7.152	-30.230	M N Q
15	0.225	-11.708	-38.724	-101.840	B E H I J K
		-17.197	-7.996	-30.656	M N Q
16	0	-20.506	-22.869	-102.508	B E H I J
		-15.435	-0.387831	-43.089	A G K
16	0.0563	-20.506	-23.712	-103.818	B E H I J
		-15.435	-2.182	-43.161	A G K
16	0.113	-20.506	-24.556	-105.176	B E H I J
		-17.197	-3.232	-30.924	M N Q
16	0.169	-11.708	-26.198	-105.807	B E H I J K
		-17.197	-4.076	-31.130	M N Q
16	0.225	-11.708	-27.993	-107.331	B E H I J K
		-17.197	-4.920	-31.383	M N Q
17	0	-20.506	-12.320	-108.033	B E H I J
		-15.435	3.705	-43.983	A G K
17	0.0562	-20.506	-13.163	-108.750	B E H I J
		-15.435	1.910	-43.825	A G K
17	0.112	-20.506	-14.007	-109.514	B E H I J
		-15.435	0.115835	-43.768	A G K
17	0.169	-11.708	-15.751	-109.535	B E H I J K

ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-24.233	-0.778352	-44.603	A G
17	0.225	-11.708	-17.545	-110.471	B E H I J K
		-24.233	-1.622	-44.671	A G
18	0	12.874	-4.982	-44.175	A H I
		-48.815	10.901	-110.968	B E G J K
18	0.0563	12.874	-5.825	-44.479	A H I
		-48.815	9.107	-110.405	B E G J K
18	0.113	21.672	-6.720	-44.015	A H I K
		-57.613	7.363	-110.758	B E G J
18	0.169	21.672	-8.514	-44.443	A H I K
		-57.613	6.519	-110.368	B E G J
18	0.225	21.672	-10.308	-44.973	A H I K
		-57.613	5.675	-110.025	B E G J
19	0	12.874	-0.673582	-45.675	A H I
		-48.815	21.383	-109.322	B E G J K
19	0.0563	12.874	-1.517	-45.737	A H I
		-48.815	19.588	-108.170	B E G J K
19	0.113	21.672	-2.513	-45.054	A H I K
		-57.613	17.946	-107.911	B E G J
19	0.169	21.672	-4.308	-45.245	A H I K
		-57.613	17.102	-106.925	B E G J
19	0.225	21.672	-6.102	-45.538	A H I K
		-57.613	16.259	-105.987	B E G J
20	0	12.874	3.887	-46.206	A H I
		-48.815	32.228	-105.319	B E G J K
20	0.0563	12.874	3.043	-46.012	A H I
		-48.815	30.433	-103.556	B E G J K
20	0.113	21.672	1.943	-45.118	A H I K
		-57.613	28.896	-102.641	B E G J
20	0.169	21.672	0.148445	-45.059	A H I K
		-57.613	28.052	-101.040	B E G J
20	0.225	21.672	-1.646	-45.101	A H I K
		-57.613	27.208	-99.485	B E G J
21	0	12.874	8.808	-45.712	A H I
		-48.815	43.682	-98.875	B E G J K
21	0.0563	12.874	7.964	-45.240	A H I
		-48.815	41.888	-96.468	B E G J K
21	0.113	21.672	6.755	-44.139	A H I K
		-57.613	40.459	-94.839	B E G J
21	0.169	21.672	4.960	-43.810	A H I K
		-57.613	39.616	-92.587	B E G J
21	0.225	21.672	3.166	-43.581	A H I K
		-57.613	38.772	-90.382	B E G J
22	0	12.874	14.196	-44.109	A H I
		-48.815	55.977	-89.854	B E G J K
22	0.0562	12.874	13.352	-43.335	A H I

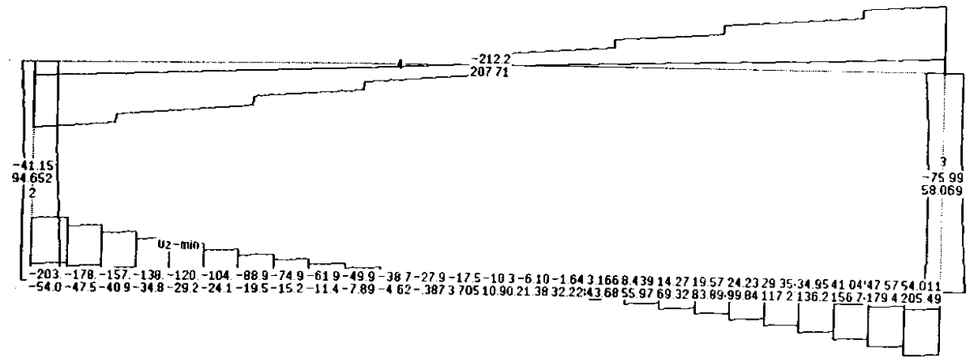
ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-48.815	54.182	-86.756	B E G J K
22	0.112	21.672	12.028	-42.026	A H I K
		-57.613	52.869	-84.339	B E G J
22	0.169	21.672	10.233	-41.400	A H I K
		-57.613	52.025	-81.389	B E G J
22	0.225	21.672	8.439	-40.875	A H I K
		-57.613	51.181	-78.487	B E G J
23	0	-5.295	18.707	-23.939	L O R
		-48.815	69.320	-78.067	B E G J K
23	0.0563	-5.295	17.864	-22.910	L O R
		-48.815	67.526	-74.218	B E G J K
23	0.113	-5.295	17.020	-21.929	L O R
		-57.613	66.335	-70.929	B E G J
23	0.169	21.672	16.068	-37.709	A H I K
		-57.613	65.491	-67.221	B E G J
23	0.225	21.672	14.274	-36.856	A H I K
		-57.613	64.647	-63.561	B E G J
24	0	-5.295	22.945	-20.109	L O R
		-48.815	83.894	-63.277	B E G J K
24	0.0562	-5.295	22.102	-18.842	L O R
		-48.815	82.100	-58.608	B E G J K
24	0.112	-5.295	21.258	-17.623	L O R
		-57.613	81.040	-54.349	B E G J
24	0.169	-5.295	20.414	-16.451	L O R
		-57.613	80.196	-49.815	B E G J
24	0.225	-5.295	19.570	-15.326	L O R
		-57.613	79.352	-45.327	B E G J
25	0	-5.295	27.608	-15.326	L O R
		-48.815	99.845	-45.208	B E G J K
25	0.0562	-5.295	26.764	-13.797	L O R
		-48.815	98.051	-39.642	B E G J K
25	0.112	-5.295	25.920	-12.315	L O R
		-57.613	97.131	-34.305	B E G J
25	0.169	-5.295	25.076	-10.881	L O R
		-57.613	96.287	-28.865	B E G J
25	0.225	-5.295	24.233	-9.494	L O R
		-57.613	95.444	-23.473	B E G J
26	0	-5.295	32.729	-9.494	L O R
		-48.815	117.278	-23.550	B E G J K
26	0.0563	-5.295	31.885	-7.677	L O R
		-57.613	115.558	-16.949	B E G J
26	0.113	-5.295	31.042	-5.907	L O R
		-57.613	114.714	-10.473	B E G J
26	0.169	-5.295	30.198	-4.185	L O R
		-57.613	113.870	-4.044	B E G J
26	0.225	-5.295	29.354	-2.510	L O R
		-57.613	113.027	2.338	B E G J

ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
27	0	-5.295	38.332	-2.510	L O R
		-48.815	136.246	2.030	B E G J K
27	0.0562	-5.295	37.488	-0.377542	L O R
		-57.613	134.685	9.938	B E G J
27	0.112	-5.295	36.644	1.707	L O R
		-57.613	133.842	17.490	B E G J
27	0.169	-5.295	35.800	3.745	L O R
		-57.613	132.998	24.995	B E G J
27	0.225	-5.295	34.957	5.735	L O R
		-57.613	132.154	32.452	B E G J
28	0	-5.295	44.420	5.735	L O R
		-48.815	156.741	31.877	B E G J K
28	0.0563	-5.295	43.577	8.210	L O R
		-57.613	155.350	41.214	B E G J
28	0.113	-5.295	42.733	10.637	L O R
		-57.613	154.506	49.929	B E G J
28	0.169	-5.295	41.889	13.017	L O R
		-57.613	153.663	58.596	B E G J
28	0.225	-5.295	41.045	15.350	L O R
		-57.613	152.819	67.216	B E G J
29	0	-6.171	50.950	16.713	L
		-27.061	179.450	51.572	B E G H I J K
29	0.0562	-6.171	50.106	19.556	L
		-35.859	178.236	62.501	B E G H I J
29	0.112	-6.171	49.262	22.350	L
		-35.859	177.392	72.503	B E G H I J
29	0.169	-6.171	48.419	25.098	L
		-35.859	176.548	82.457	B E G H I J
29	0.225	-6.171	47.575	27.797	L
		-35.859	175.705	92.364	B E G H I J
30	0	-17.197	57.386	30.524	M N Q
		-11.708	205.497	87.167	B E H I J K
30	0.0562	-17.197	56.542	33.728	M N Q
		-20.506	204.466	99.916	B E H I J
30	0.112	-17.197	55.699	36.885	M N Q
		-20.506	203.623	111.394	B E H I J
30	0.169	-17.197	54.855	39.994	M N Q
		-20.506	202.779	122.824	B E H I J
30	0.225	-17.197	54.011	43.056	M N Q
		-20.506	201.935	134.206	B E H I J

Escala 1 : 39.7
Section forces envelope Vz, GWSP BL (E.L.S.), View "ALL"
- Struktur: Staebe
- Envelop Shear force Vz-min, Scaling 2.00E-03
  min: -2.12E+02 max: 5.74E+01 [kN]
- Envelop Shear force Vz-max, Scaling 2.00E-03
  min: -5.74E+01 max: 2.08E+02 [kN]
- Text envelopes [kN]



ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
2	0	-221.703	76.270	-163.968	B E H I J
		-65.346	4.911	-38.809	M N Q
2	0.347	-217.666	4.842	-153.637	B E I K
		-59.746	57.702	-23.039	M N O P Q
2	0.695	-218.137	-14.983	-152.335	B E G K
		-53.662	58.701	-2.691	L O P R
2	0.927	-214.657	-13.350	-155.609	B E G K
		-50.182	56.211	10.629	L O P R
2	1.042	-212.927	-12.781	-157.114	B E G K
		-48.452	55.172	17.049	L O P R
2	1.389	-179.967	-33.842	-162.313	B C G
		-43.242	52.838	35.771	L O P R
3	0	-184.476	50.110	-174.768	B C H I
		-43.242	-52.455	35.536	M N P Q
3	0.347	-217.436	29.049	-163.919	B E H I K
		-48.452	-54.789	16.947	M N P Q
3	0.463	-219.165	29.617	-160.539	B E H I K
		-50.181	-55.828	10.572	M N P Q
3	0.695	-222.645	31.250	-153.490	B E H I K
		-53.662	-58.317	-2.660	M N P Q
3	1.042	-222.174	13.165	-148.397	B E K

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-59.746	-57.868	-23.111	L N O P R
3	1.389	-226.212	-57.613	-151.970	B E G J
		-65.346	-5.295	-39.106	L O R
4	0	-33.842	179.967	-162.313	B C G
		52.838	43.242	35.771	L O P R
4	0.524	-33.842	163.300	-72.306	B C G
		61.383	52.022	60.543	A H I J K
4	0.526	-33.842	163.263	-72.115	B C G
		61.376	51.994	60.604	A H I J K
4	1.424	0.691570	23.141	11.635	M N Q
		31.015	127.842	141.447	B C H I J K
4	1.426	0.691570	23.124	11.662	M N Q
		31.008	70.585	141.563	B C H I J K
4	1.462	0.691570	22.570	12.506	M N Q
		30.787	69.412	144.147	B C H I J K
4	2.124	0.691570	12.641	24.159	M N Q
		45.689	76.554	191.942	B E H I J K
4	2.126	0.691570	12.624	24.174	M N Q
		45.682	19.727	191.998	B E H I J K
4	2.924	-0.920589	0.250767	29.463	M N O Q
		26.896	24.120	211.687	B C I J K
4	2.925	-0.920589	0.241992	29.463	M N O Q
		26.893	24.101	211.701	B C I J K
4	2.926	-0.920589	0.233217	29.463	M N O Q
		26.889	-33.137	211.682	B C I J K
4	3.724	1.075	-12.624	24.409	L O R
		39.715	-24.236	187.661	B E G J K
4	3.726	1.075	-12.641	24.394	L O R
		39.715	-81.063	187.600	B E G J K
4	4.387	1.075	-22.570	12.741	L O R
		20.862	-73.921	136.821	B C G J K
4	4.424	1.075	-23.124	11.897	L O R
		20.862	-75.094	134.070	B C G J K
4	4.426	1.075	-23.141	11.870	L O R
		20.862	-132.351	133.949	B C G J K
4	5.324	-46.973	-167.771	-82.200	B C H I
		52.455	-35.359	56.192	M N P Q
4	5.326	-46.980	-167.808	-82.396	B C H I
		52.455	-35.376	56.151	M N P Q
4	5.850	-50.110	-184.476	-174.768	B C H I
		52.455	-43.242	35.536	M N P Q
5	0	-17.197	-54.577	38.809	M N Q
		-20.506	-196.029	163.968	B E H I J
5	0.0563	-17.197	-55.421	35.715	M N Q
		-20.506	-196.873	152.918	B E H I J
5	0.113	-17.197	-56.265	32.574	M N Q
		-20.506	-197.717	141.820	B E H I J
5	0.169	-17.197	-57.108	29.386	M N Q
		-20.506	-198.560	130.675	B E H I J

S T A T I K - 3 V.2.33 página 152
FHECOR Ingenieros Consultores S.A. 28.04.00
T.A.V. Madrid-Barcelona. Accesos a Zaragoza 10:55

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-59.746	-57.868	-23.111	L N O P R
3	1.389	-226.212	-57.613	-151.970	B E G J
		-65.346	-5.295	-39.106	L O R
4	0	-33.842	179.967	-162.313	B C G
		52.838	43.242	35.771	L O P R
4	0.524	-33.842	163.300	-72.306	B C G
		61.383	52.022	60.543	A H I J K
4	0.526	-33.842	163.263	-72.115	B C G
		61.376	51.994	60.604	A H I J K
4	1.424	0.691570	23.141	11.635	M N Q
		31.015	127.842	141.447	B C H I J K
4	1.426	0.691570	23.124	11.662	M N Q
		31.008	70.585	141.563	B C H I J K
4	1.462	0.691570	22.570	12.506	M N Q
		30.787	69.412	144.147	B C H I J K
4	2.124	0.691570	12.641	24.159	M N Q
		45.689	76.554	191.942	B E H I J K
4	2.126	0.691570	12.624	24.174	M N Q
		45.682	19.727	191.998	B E H I J K
4	2.924	-0.920589	0.250767	29.463	M N O Q
		26.896	24.120	211.687	B C I J K
4	2.925	-0.920589	0.241992	29.463	M N O Q
		26.893	24.101	211.701	B C I J K
4	2.926	-0.920589	0.233217	29.463	M N O Q
		26.889	-33.137	211.682	B C I J K
4	3.724	1.075	-12.624	24.409	L O R
		39.715	-24.236	187.661	B E G J K
4	3.726	1.075	-12.641	24.394	L O R
		39.715	-81.063	187.600	B E G J K
4	4.387	1.075	-22.570	12.741	L O R
		20.862	-73.921	136.821	B C G J K
4	4.424	1.075	-23.124	11.897	L O R
		20.862	-75.094	134.070	B C G J K
4	4.426	1.075	-23.141	11.870	L O R
		20.862	-132.351	133.949	B C G J K
4	5.324	-46.973	-167.771	-82.200	B C H I
		52.455	-35.359	56.192	M N P Q
4	5.326	-46.980	-167.808	-82.396	B C H I
		52.455	-35.376	56.151	M N P Q
4	5.850	-50.110	-184.476	-174.768	B C H I
		52.455	-43.242	35.536	M N P Q
5	0	-17.197	-54.577	38.809	M N Q
		-20.506	-196.029	163.968	B E H I J
5	0.0563	-17.197	-55.421	35.715	M N Q
		-20.506	-196.873	152.918	B E H I J
5	0.113	-17.197	-56.265	32.574	M N Q
		-20.506	-197.717	141.820	B E H I J
5	0.169	-17.197	-57.108	29.386	M N Q
		-20.506	-198.560	130.675	B E H I J

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
5	0.225	-17.197	-57.952	26.149	M N Q
		-20.506	-199.404	119.482	B E H I J
6	0	-17.197	-47.562	26.149	M N Q
		-20.506	-174.459	119.482	B E H I J
6	0.0563	-17.197	-48.406	23.450	M N Q
		-20.506	-175.303	109.645	B E H I J
6	0.113	-17.197	-49.249	20.704	M N Q
		-20.506	-176.147	99.760	B E H I J
6	0.169	-17.197	-50.093	17.910	M N Q
		-20.506	-176.991	89.828	B E H I J
6	0.225	-17.197	-50.937	15.068	M N Q
		-20.506	-177.834	79.849	B E H I J
7	0	-17.197	-40.988	15.068	M N Q
		-20.506	-153.901	79.849	B E H I J
7	0.0563	-17.197	-41.832	12.739	M N Q
		-20.506	-154.745	71.168	B E H I J
7	0.113	-17.197	-42.675	10.362	M N Q
		-20.506	-155.588	62.440	B E H I J
7	0.169	-17.197	-43.519	7.938	M N Q
		-20.506	-156.432	53.665	B E H I J
7	0.225	-17.197	-44.363	5.466	M N Q
		-20.506	-157.276	44.842	B E H I J
8	0	-17.197	-34.891	5.466	M N Q
		-20.506	-134.543	44.842	B E H I J
8	0.0562	-17.197	-35.735	3.480	M N Q
		-20.506	-135.386	37.250	B E H I J
8	0.112	-15.435	-50.539	0.808390	A G K
		-20.506	-136.230	29.611	B E H I J
8	0.169	-5.667	-65.512	-2.134	B G K
		-30.275	-123.896	21.973	A E H I J
8	0.225	9.561	-117.366	-8.336	B C G K
		-38.889	-58.267	17.368	A H I J
9	0	9.561	-92.933	-8.336	B C G K
		-38.889	-48.614	17.368	A H I J
9	0.0562	2.948	-108.754	-14.324	B E G K
		-38.889	-49.458	14.609	A H I J
9	0.112	2.948	-110.548	-20.492	B E G K
		-38.889	-50.302	11.804	A H I J
9	0.169	2.948	-112.342	-26.761	B E G K
		-38.889	-51.145	8.950	A H I J
9	0.225	2.948	-114.137	-33.130	B E G K
		-38.889	-51.989	6.050	A H I J
10	0	2.948	-89.014	-33.130	B E G K
		-38.889	-42.674	6.050	A H I J
10	0.0563	-5.850	-92.634	-38.240	B E G
		-30.091	-41.693	3.677	A H I J K

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
10	0.113	-5.850	-93.478	-43.474	B E G
		-30.091	-43.487	1.282	A H I J K
10	0.169	-5.850	-94.321	-48.756	B E G
		-30.091	-45.282	-1.215	A H I J K
10	0.225	-5.850	-95.165	-54.085	B E G
		-30.091	-47.076	-3.813	A H I J K
11	0	-5.850	-75.326	-54.085	B E G
		-30.091	-34.452	-3.813	A H I J K
11	0.0562	-5.850	-76.169	-58.346	B E G
		-30.091	-36.247	-5.801	A H I J K
11	0.112	-5.850	-77.013	-62.654	B E G
		-30.091	-38.041	-7.890	A H I J K
11	0.169	-5.850	-77.857	-67.010	B E G
		-30.091	-39.835	-10.081	A H I J K
11	0.225	-5.850	-78.701	-71.413	B E G
		-30.091	-41.630	-12.372	A H I J K
12	0	-5.850	-60.367	-71.413	B E G
		-30.091	-29.341	-12.372	A H I J K
12	0.0563	-5.850	-61.211	-74.832	B E G
		-30.091	-31.136	-14.073	A H I J K
12	0.113	-5.850	-62.054	-78.299	B E G
		-30.091	-32.930	-15.875	A H I J K
12	0.169	-5.850	-62.898	-81.814	B E G
		-30.091	-34.724	-17.777	A H I J K
12	0.225	-5.850	-63.742	-85.375	B E G
		-57.058	-21.405	-19.097	L O P R
13	0	-5.850	-46.748	-85.375	B E G
		-57.058	-14.209	-19.097	L O P R
13	0.0562	-5.850	-47.591	-88.029	B E G
		-57.058	-15.053	-19.920	L O P R
13	0.112	-5.850	-48.435	-90.729	B E G
		-57.058	-15.896	-20.790	L O P R
13	0.169	-5.850	-49.279	-93.477	B E G
		-57.058	-16.740	-21.708	L O P R
13	0.225	-5.850	-50.123	-96.273	B E G
		-57.058	-17.584	-22.674	L O P R
14	0	-5.850	-34.269	-96.273	B E G
		-57.058	-10.654	-22.674	L O P R
14	0.0563	-5.850	-35.113	-98.225	B E G
		-57.058	-11.498	-23.297	L O P R
14	0.113	-5.850	-35.957	-100.223	B E G
		-57.058	-12.341	-23.967	L O P R
14	0.169	-5.850	-36.800	-102.270	B E G
		-57.058	-13.185	-24.685	L O P R
14	0.225	-5.850	-37.644	-104.363	B E G
		-57.058	-14.029	-25.451	L O P R

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
15	0	-5.850	-22.707	-104.363	B E G
		-57.058	-7.312	-25.451	L O P R
15	0.0563	-5.850	-23.551	-105.664	B E G
		-57.058	-8.156	-25.886	L O P R
15	0.113	-5.850	-24.395	-107.013	B E G
		-57.058	-9.000	-26.368	L O P R
15	0.169	-5.850	-25.238	-108.409	B E G
		-57.058	-9.843	-26.898	L O P R
15	0.225	-5.850	-26.082	-109.852	B E G
		-57.058	-10.687	-27.475	L O P R
16	0	-5.850	-11.818	-109.852	B E G
		-57.058	-4.124	-27.475	L O P R
16	0.0563	-5.850	-12.662	-110.541	B E G
		-57.058	-4.968	-27.731	L O P R
16	0.113	-5.850	-13.506	-111.277	B E G
		-57.058	-5.812	-28.034	L O P R
16	0.169	-5.850	-14.349	-112.060	B E G
		-57.058	-6.656	-28.385	L O P R
16	0.225	-5.850	-15.193	-112.891	B E G
		-57.058	-7.499	-28.783	L O P R
17	0	-5.850	-1.346	-112.891	B E G
		-57.058	-1.027	-28.783	L O P R
17	0.0562	-5.850	-2.190	-112.990	B E G
		-57.058	-1.870	-28.865	L O P R
17	0.112	-5.850	-3.033	-113.137	B E G
		-57.058	-2.714	-28.994	L O P R
17	0.169	-5.850	-3.877	-113.332	B E G
		-57.058	-3.558	-29.170	L O P R
17	0.225	9.503	-6.846	-113.597	B E
		-62.175	-3.693	-29.386	L N O P R
18	0	9.503	6.846	-113.597	B E
		-62.175	2.757	-29.386	L N O P R
18	0.0563	26.420	-0.612375	-113.381	B E I
		-62.175	1.913	-29.255	L N O P R
18	0.113	26.420	-1.456	-113.440	B E I
		-67.348	2.003	-29.135	M N O P Q
18	0.169	31.257	-4.414	-113.608	B E H I
		-68.960	1.864	-29.025	M N P Q
18	0.225	31.257	-5.258	-113.880	B E H I
		-68.960	1.020	-28.944	M N P Q
19	0	31.257	8.703	-113.880	B E H I
		-68.960	7.480	-28.944	M N P Q
19	0.0563	31.257	7.860	-113.415	B E H I
		-68.960	6.636	-28.547	M N P Q
19	0.113	31.257	7.016	-112.996	B E H I
		-68.960	5.793	-28.197	M N P Q
19	0.169	31.257	6.172	-112.625	B E H I

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-68.960	4.949	-27.895	M N P Q
19	0.225	31.257	5.328	-112.302	B E H I
		-68.960	4.105	-27.640	M N P Q
20	0	31.257	19.782	-112.302	B E H I
		-68.960	10.656	-27.640	M N P Q
20	0.0563	31.257	18.938	-111.213	B E H I
		-68.960	9.812	-27.065	M N P Q
20	0.113	31.257	18.094	-110.171	B E H I
		-68.960	8.968	-26.537	M N P Q
20	0.169	31.257	17.251	-109.177	B E H I
		-68.960	8.124	-26.056	M N P Q
20	0.225	31.257	16.407	-108.231	B E H I
		-68.960	7.281	-25.623	M N P Q
21	0	31.257	31.615	-108.231	B E H I
		-68.960	13.986	-25.623	M N P Q
21	0.0563	31.257	30.771	-106.476	B E H I
		-68.960	13.142	-24.860	M N P Q
21	0.113	31.257	29.927	-104.769	B E H I
		-68.960	12.299	-24.144	M N P Q
21	0.169	31.257	29.084	-103.109	B E H I
		-68.960	11.455	-23.476	M N P Q
21	0.225	31.257	28.240	-101.497	B E H I
		-68.960	10.611	-22.855	M N P Q
22	0	31.257	44.455	-101.497	B E H I
		-68.960	17.531	-22.855	M N P Q
22	0.0562	31.257	43.611	-99.020	B E H I
		-68.960	16.687	-21.893	M N P Q
22	0.112	31.257	42.767	-96.591	B E H I
		-68.960	15.844	-20.978	M N P Q
22	0.169	31.257	41.923	-94.209	B E H I
		-68.960	15.000	-20.111	M N P Q
22	0.225	31.257	41.080	-91.874	B E H I
		-68.960	14.156	-19.291	M N P Q
23	0	31.257	58.538	-91.874	B E H I
		-68.960	21.344	-19.291	M N P Q
23	0.0563	31.257	57.694	-88.605	B E H I
		-68.960	20.500	-18.114	M N P Q
23	0.113	31.257	56.851	-85.384	B E H I
		-68.960	19.656	-16.984	M N P Q
23	0.169	31.257	56.007	-82.210	B E H I
		-68.960	18.813	-15.902	M N P Q
23	0.225	31.257	55.163	-79.083	B E H I
		-68.960	17.969	-14.868	M N P Q
24	0	31.257	74.079	-79.083	B E H I
		-68.960	25.469	-14.868	M N P Q
24	0.0562	31.257	73.235	-74.940	B E H I

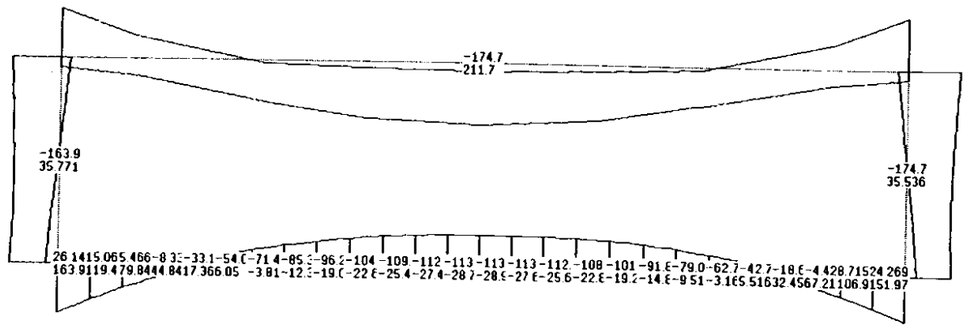
ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-68.960	24.625	-13.459	M N P Q
24	0.112	31.257	72.391	-70.844	B E H I
		-68.960	23.782	-12.098	M N P Q
24	0.169	31.257	71.548	-66.796	B E H I
		-68.960	22.938	-10.784	M N P Q
24	0.225	31.257	70.704	-62.795	B E H I
		-68.960	22.094	-9.517	M N P Q
25	0	31.257	91.261	-62.795	B E H I
		-68.960	29.941	-9.517	M N P Q
25	0.0562	31.257	90.417	-57.685	B E H I
		-68.960	29.098	-7.857	M N P Q
25	0.112	31.257	89.574	-52.623	B E H I
		-68.960	28.254	-6.244	M N P Q
25	0.169	31.257	88.730	-47.608	B E H I
		-68.960	27.410	-4.678	M N P Q
25	0.225	40.055	85.110	-42.719	B E H I K
		-68.960	26.566	-3.160	M N P Q
26	0	40.055	111.107	-42.719	B E H I K
		-68.960	34.782	-3.160	M N P Q
26	0.0563	40.055	109.312	-36.519	B E H I K
		-68.960	33.938	-1.227	M N P Q
26	0.113	40.055	107.518	-30.421	B E H I K
		-68.960	33.094	0.658113	M N P Q
26	0.169	40.055	105.724	-24.424	B E H I K
		-75.996	45.993	2.952	A G J
26	0.225	46.668	89.903	-18.606	B C H I K
		-75.996	45.149	5.516	A G J
27	0	46.668	115.388	-18.606	B C H I K
		-75.996	55.879	5.516	A G J
27	0.0562	31.440	63.534	-12.515	B H I K
		-67.381	121.507	9.987	A E G J
27	0.112	21.672	48.562	-9.684	A H I K
		-57.613	133.842	17.490	B E G J
27	0.169	21.672	46.767	-7.003	A H I K
		-57.613	132.998	24.995	B E G J
27	0.225	21.672	44.973	-4.423	A H I K
		-57.613	132.154	32.452	B E G J
28	0	21.672	61.978	-4.423	A H I K
		-57.613	156.194	32.452	B E G J
28	0.0563	21.672	60.183	-0.987088	A H I K
		-57.613	155.350	41.214	B E G J
28	0.113	21.672	58.389	2.348	A H I K
		-57.613	154.506	49.929	B E G J
28	0.169	21.672	56.595	5.582	A H I K
		-57.613	153.663	58.596	B E G J
28	0.225	21.672	54.800	8.715	A H I K
		-57.613	152.819	67.216	B E G J

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
29	0	21.672	72.720	8.715	A H I K
		-57.613	178.318	67.216	B E G J
29	0.0562	21.672	70.926	12.755	A H I K
		-57.613	177.474	77.223	B E G J
29	0.112	21.672	69.132	16.694	A H I K
		-57.613	176.630	87.182	B E G J
29	0.169	21.672	67.337	20.532	A H I K
		-57.613	175.787	97.094	B E G J
29	0.225	21.672	65.543	24.269	A H I K
		-57.613	174.943	106.958	B E G J
30	0	21.672	84.356	24.269	A H I K
		-57.613	201.742	106.958	B E G J
30	0.0562	21.672	82.562	28.964	A H I K
		-57.613	200.898	118.282	B E G J
30	0.112	-5.295	56.290	32.869	L O R
		-57.613	200.054	129.559	B E G J
30	0.169	-5.295	55.446	36.011	L O R
		-57.613	199.210	140.788	B E G J
30	0.225	-5.295	54.603	39.106	L O R
		-57.613	198.367	151.970	B E G J

Escala 1 : 42.6
Section forces envelope My, GWSP BL (E.L.S.), View "ALL"
- Struktur: Staebe
- Envelop Moment My-min, Scaling 2.00E-03
  min: -1.75E+02 max: 3.91E+01 [kNm]
- Envelop Moment My-max, Scaling 2.00E-03
  min: -3.91E+01 max: 2.12E+02 [kNm]
- Text envelopes [kNm]



5.6 Cajón. Estado Límite Último

En este apartado se adjuntan los listados correspondientes a las envolventes de Estado Límite Último de:

- Esfuerzos flectores
- Esfuerzos cortantes
- Esfuezos axiles

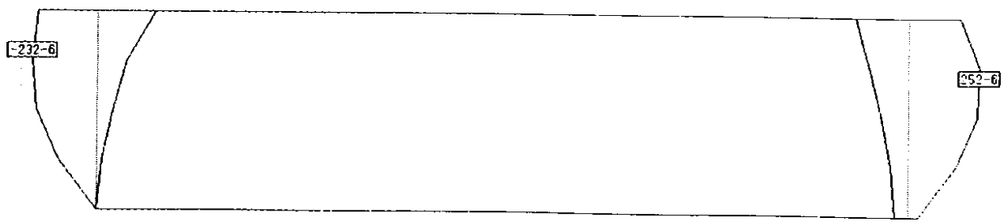
ENVOLVENTE: BM 'E.L.U.'

Grupo	Espe.	Hipótesis	Factor	Etapa	Título
A	PERM.	1	1.350		Peso propio
	Y	5	1.755		Carga muerta
	Y	10	1.500		Empuje lado 1 const. Reposo.
	Y	11	1.500		Empuje lado 2 const. Reposo.
B	O	1	1.350		Peso propio
	Y	5	1.755		Carga muerta
	Y	16	0.660000		Empuje lado 1 servicio. Reposo
	Y	17	0.660000		Empuje lado 2 servicio. Reposo
C	MAS	6	2.490		Tren A
D	O	7	2.490		Tren B
E	O	8	2.025		Tren UIC71 + UIC71
F	O	9	2.025		Tren SW2 + UIC71
G	MAS	18	1.500		Empuje lado 1. SC 3T/m2
H	MAS	19	1.500		Empuje lado 2. SC 3T/m2
I	MAS	20	1.500		Frenado
J	O	20	-1.500		Frenado
K	MAS	21	1.500		Gradiente térmico
L	MAS	22	1.500		Empuje hidrostático

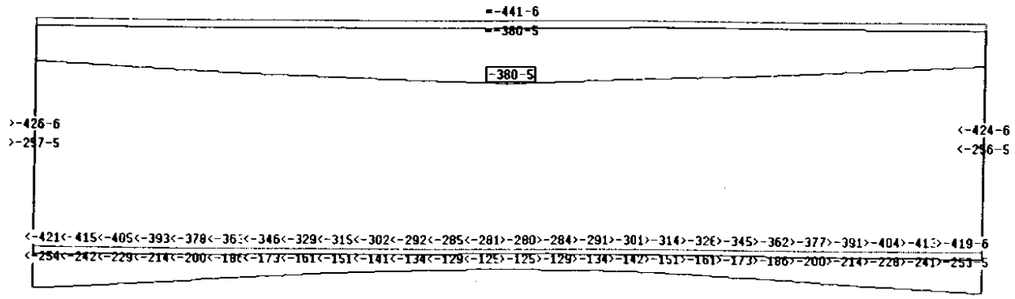
ALTERNATIVA PARA ENVOLVENTE:

M	PERM.	1	1.350		Peso propio
N	O	1	1.000		Peso propio
O	MAS	10	1.500		Empuje lado 1 const. Reposo.
	Y	13	1.500		Empuje lado 2 const bajo. Repo
P	O	11	1.000		Empuje lado 2 const. Reposo.
	Y	12	1.000		Empuje lado 1 cons bajo. Repos
Q	MAS	14	1.500		Empuje lado 1. SC maquinaria.
R	MAS	15	1.500		Empuje lado 2. SC maquinaria
S	MAS	21	1.500		Gradiente térmico
T	MAS	22	1.500		Empuje hidrostático

Escala 1 : 44.4
Displacements envelope DX [M], GWSP BM (E.L.U.), View "ALL"
- Struktur: Staebe
- Minimum displacements DX, Ueberh: 2.0E3
- Maximum displacements DX, Ueberh: 2.0E3
- Label minimum value DX-Min. [M]
- Label maximum value DX-Max. [M]



Escala 1 : 38.1
Displacements envelope DZ [M], GWSP BM (E.L.U.), View "ALL"
- Struktur: Staebe
- Minimum displacements DZ, Ueberh: 1.0E2
- Beschriftung Min.Verschiebungen DZ [M]
- Maximum displacements DZ, Ueberh: 1.0E2
- Beschriftung Max.Verschiebungen DZ [M]
- Label minimum value DZ-Min. [M]



Escala 1 : 38.1
Deformed structure, GWSP BM (E.L.U.), View "ALL"
- Struktur: Staebe
- V-Max , Text: Vx,Vy,Vz [M]



ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
2	0	-392.156	-59.890	-219.149	B E G J L
		-63.883	97.968	-49.388	N P R S
2	0.347	-385.123	-56.442	-239.310	B E G J L
		-58.674	91.139	-16.583	N P R S
2	0.695	-378.090	-54.397	-258.518	B E G J L
		-53.464	85.516	14.059	N P R S
2	0.927	-373.392	-53.814	-271.058	B E G J L
		-49.984	82.433	33.531	N P R S
2	1.042	-371.057	-53.758	-277.259	B E G J L
		-48.254	81.101	42.958	N P R S
2	1.389	-364.024	-54.522	-296.021	B E G J L
		-43.045	77.893	70.534	N P R S
3	0	-364.024	56.147	-294.898	A E H I
		-42.922	-80.711	70.858	N O Q S T
3	0.347	-371.057	55.242	-275.502	A E H I
		-48.132	-83.121	42.396	N O Q S T
3	0.463	-373.391	54.542	-269.172	A E H I
		-49.861	-83.834	32.772	N O Q S T
3	0.695	-378.090	52.527	-256.735	A E H I
		-53.342	-85.140	13.166	N O Q S T
3	1.042	-385.123	48.001	-239.225	A E H I
		-58.551	-86.768	-16.698	N O Q S T
3	1.389	-392.156	41.664	-223.602	A E H I
		-63.761	-88.005	-47.060	N O Q S T
4	0	-104.563	345.983	-331.524	B C G H J
		102.995	118.740	23.907	A I K L
4	0.524	-99.867	323.482	-155.986	B C G H J
		98.299	96.239	80.276	A I K L
4	0.526	-99.857	323.431	-155.607	B C G H J
		98.289	96.189	80.389	A I K L
4	1.424	-91.808	284.865	117.770	B C G H J
		90.240	57.623	149.514	A I K L
4	1.426	-91.797	142.337	118.020	B C G H J
		90.229	57.573	149.581	A I K L
4	1.462	-91.467	140.753	123.245	B C G H J
		89.898	55.989	151.678	A I K L
4	2.124	-85.539	112.353	207.013	B C G H J
		88.399	16.212	136.770	M S T
4	2.126	-85.529	112.302	207.144	B C G H J
		88.399	16.188	136.789	M S T
4	2.924	-78.375	78.027	283.165	B C G H J
		88.399	0.011846	143.259	M S T
4	2.925	-78.370	78.002	283.210	B C G H J
		88.399	1.68E-08	143.259	M S T
4	2.926	-78.365	-64.501	283.172	B C G H J
		88.399	-0.011846	143.259	M S T
4	3.724	-83.895	-112.302	208.146	B C G H I
		88.399	-16.188	136.789	M S T
4	3.726	-83.905	-112.353	208.015	B C G H I

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		88.399	-16.212	136.770	M S T
4	4.387	-89.833	-140.753	124.248	B C G H I
		88.399	-29.616	121.603	M S T
4	4.424	-90.163	-142.337	119.023	B C G H I
		88.595	-57.573	148.579	A J K L
4	4.426	-90.174	-284.865	118.773	B C G H I
		88.606	-57.623	148.512	A J K L
4	5.324	-98.223	-323.431	-154.605	B C G H I
		96.655	-96.189	79.387	A J K L
4	5.326	-98.233	-323.482	-154.984	B C G H I
		96.665	-96.239	79.274	A J K L
4	5.850	-102.930	-345.983	-330.522	B C G H I
		101.362	-118.740	22.905	A J K L
5	0	-134.461	-136.930	80.015	A G J K
		95.656	-311.747	252.716	B C H I L
5	0.0563	-134.461	-138.069	72.281	A G J K
		95.656	-314.312	235.108	B C H I L
5	0.113	-134.461	-139.208	64.483	A G J K
		95.656	-316.877	217.356	B C H I L
5	0.169	-134.461	-140.347	56.620	A G J K
		95.656	-319.442	199.459	B C H I L
5	0.225	-134.461	-141.486	48.694	A G J K
		95.656	-322.007	181.418	B C H I L
6	0	-134.461	-117.547	48.694	A G J K
		95.656	-276.323	181.418	B C H I L
6	0.0563	-134.461	-118.686	42.050	A G J K
		95.656	-278.888	165.803	B C H I L
6	0.113	-134.461	-119.825	35.341	A G J K
		95.656	-281.453	150.044	B C H I L
6	0.169	-134.461	-120.964	28.569	A G J K
		95.656	-284.018	134.140	B C H I L
6	0.225	-134.461	-122.103	21.733	A G J K
		95.656	-286.583	118.091	B C H I L
7	0	-134.461	-99.569	21.733	A G J K
		95.656	-242.728	118.091	B C H I L
7	0.0563	-134.461	-100.708	16.100	A G J K
		95.656	-245.293	104.366	B C H I L
7	0.113	-134.461	-101.847	10.403	A G J K
		95.656	-247.858	90.496	B C H I L
7	0.169	-134.461	-102.986	4.642	A G J K
		95.656	-250.423	76.482	B C H I L
7	0.225	-134.461	-104.125	-1.183	A G J K
		95.656	-252.988	62.324	B C H I L
8	0	-134.461	-83.047	-1.183	A G J K
		95.656	-211.240	62.324	B C H I L
8	0.0562	-134.461	-84.186	-5.886	A G J K
		95.656	-213.805	50.369	B C H I L

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
8	0.112	-134.461	-85.325	-10.653	A G J K
		95.656	-216.370	38.270	B C H I L
8	0.169	-134.461	-86.464	-15.485	A G J K
		95.656	-218.935	26.027	B C H I L
8	0.225	-134.461	-87.603	-20.381	A G J K
		95.656	-221.500	13.640	B C H I L
9	0	-134.461	-67.981	-20.381	A G J K
		95.656	-182.011	13.640	B C H I L
9	0.0562	-134.461	-69.120	-24.237	A G J K
		95.656	-184.576	3.330	B C H I L
9	0.112	-134.461	-70.259	-28.157	A G J K
		95.656	-187.141	-7.125	B C H I L
9	0.169	-134.461	-71.398	-32.141	A G J K
		95.656	-189.706	-17.723	B C H I L
9	0.225	-134.461	-72.537	-36.189	A G J K
		95.656	-192.271	-28.467	B C H I L
10	0	-134.461	-54.324	-36.189	A G J K
		95.656	-155.075	-28.467	B C H I L
10	0.0563	-134.461	-55.463	-39.277	A G J K
		95.656	-157.640	-37.262	B C H I L
10	0.113	-134.461	-56.602	-42.428	A G J K
		95.656	-160.205	-46.201	B C H I L
10	0.169	-134.461	-57.741	-45.644	A G J K
		95.656	-162.770	-55.285	B C H I L
10	0.225	-134.461	-58.880	-48.924	A G J K
		95.656	-165.335	-64.513	B C H I L
11	0	-134.461	-41.993	-48.924	A G J K
		95.656	-130.368	-64.513	B C H I L
11	0.0562	-134.461	-43.132	-51.318	A G J K
		95.656	-132.933	-71.918	B C H I L
11	0.112	-134.461	-44.271	-53.777	A G J K
		95.656	-135.498	-79.468	B C H I L
11	0.169	-134.461	-45.410	-56.299	A G J K
		95.656	-138.063	-87.161	B C H I L
11	0.225	-134.461	-46.549	-58.885	A G J K
		95.656	-140.628	-95.000	B C H I L
12	0	-134.461	-30.874	-58.885	A G J K
		95.656	-107.741	-95.000	B C H I L
12	0.0563	-134.461	-32.013	-60.654	A G J K
		95.656	-110.306	-101.132	B C H I L
12	0.113	-134.461	-33.152	-62.487	A G J K
		95.656	-112.871	-107.409	B C H I L
12	0.169	-134.461	-34.292	-64.384	A G J K
		95.656	-115.436	-113.830	B C H I L
12	0.225	-134.461	-35.431	-66.345	A G J K
		95.656	-118.001	-120.396	B C H I L

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
13	0	-134.461	-20.832	-66.345	A G J K
		95.656	-86.974	-120.396	B C H I L
13	0.0562	-134.461	-21.971	-67.548	A G J K
		95.656	-89.539	-125.360	B C H I L
13	0.112	-134.461	-23.110	-68.816	A G J K
		95.656	-92.104	-130.469	B C H I L
13	0.169	-134.461	-24.249	-70.148	A G J K
		95.656	-94.669	-135.722	B C H I L
13	0.225	-134.461	-25.388	-71.544	A G J K
		95.656	-97.234	-141.119	B C H I L
14	0	-134.461	-11.710	-71.544	A G J K
		95.656	-67.787	-141.119	B C H I L
14	0.0563	-134.461	-12.849	-72.235	A G J K
		95.656	-70.352	-145.004	B C H I L
14	0.113	-134.461	-13.988	-72.990	A G J K
		95.656	-72.917	-149.034	B C H I L
14	0.169	-134.461	-15.128	-73.809	A G J K
		95.656	-75.482	-153.207	B C H I L
14	0.225	-134.461	-16.267	-74.692	A G J K
		95.656	-78.047	-157.525	B C H I L
15	0	-134.461	-3.344	-74.692	A G J K
		95.656	-49.853	-157.525	B C H I L
15	0.0563	-134.461	-4.483	-74.912	A G J K
		95.656	-52.418	-160.402	B C H I L
15	0.113	-134.461	-5.622	-75.196	A G J K
		95.656	-54.983	-163.422	B C H I L
15	0.169	-134.461	-6.761	-75.544	A G J K
		95.656	-57.548	-166.587	B C H I L
15	0.225	-134.461	-7.900	-75.957	A G J K
		95.656	-60.113	-169.896	B C H I L
16	0	-134.461	4.443	-75.957	A G J K
		95.656	-32.802	-169.896	B C H I L
16	0.0563	-134.461	3.304	-75.739	A G J K
		95.656	-35.367	-171.814	B C H I L
16	0.113	-134.461	2.165	-75.585	A G J K
		95.656	-37.932	-173.875	B C H I L
16	0.169	-134.461	1.025	-75.495	A G J K
		95.656	-40.497	-176.081	B C H I L
16	0.225	-134.461	-0.113578	-75.470	A G J K
		95.656	-43.062	-178.431	B C H I L
17	0	-134.461	11.826	-75.470	A G J K
		95.656	-16.240	-178.431	B C H I L
17	0.0562	-134.461	10.686	-74.836	A G J K
		95.656	-18.805	-179.417	B C H I L
17	0.112	-134.461	9.547	-74.267	A G J K
		95.656	-21.370	-180.547	B C H I L
17	0.169	-134.461	8.408	-73.762	A G J K

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		95.656	-23.935	-181.821	B C H I L
17	0.225	-134.461	7.269	-73.321	A G J K
		95.656	-26.500	-183.239	B C H I L
18	0	-134.461	18.981	-73.321	A G J K
		95.656	0.249839	-183.239	B C H I L
18	0.0563	-134.461	17.842	-72.286	A G J K
		95.656	-2.315	-183.298	B C H I L
18	0.113	-134.461	16.703	-71.314	A G J K
		95.656	-4.880	-183.500	B C H I L
18	0.169	-134.461	15.564	-70.407	A G J K
		95.656	-7.445	-183.847	B C H I L
18	0.225	-134.461	14.425	-69.563	A G J K
		95.656	-10.010	-184.337	B C H I L
19	0	-134.461	26.080	-69.563	A G J K
		95.656	17.096	-184.337	B C H I L
19	0.0563	-134.461	24.941	-68.128	A G J K
		95.656	14.531	-183.448	B C H I L
19	0.113	-134.461	23.802	-66.757	A G J K
		95.656	11.966	-182.703	B C H I L
19	0.169	-134.461	22.663	-65.450	A G J K
		95.656	9.401	-182.102	B C H I L
19	0.225	-134.461	21.524	-64.208	A G J K
		95.656	6.836	-181.645	B C H I L
20	0	-134.461	33.285	-64.208	A G J K
		95.656	34.727	-181.645	B C H I L
20	0.0563	-134.461	32.146	-62.367	A G J K
		95.656	32.162	-179.764	B C H I L
20	0.113	-134.461	31.007	-60.591	A G J K
		95.656	29.597	-178.027	B C H I L
20	0.169	-134.461	29.868	-58.879	A G J K
		95.656	27.032	-176.434	B C H I L
20	0.225	-134.461	28.729	-57.231	A G J K
		95.656	24.467	-174.986	B C H I L
21	0	-134.461	40.746	-57.231	A G J K
		95.656	53.568	-174.986	B C H I L
21	0.0563	-134.461	39.607	-54.971	A G J K
		95.656	51.003	-172.045	B C H I L
21	0.113	-134.461	38.468	-52.775	A G J K
		95.656	48.438	-169.248	B C H I L
21	0.169	-134.461	37.329	-50.643	A G J K
		95.656	45.873	-166.596	B C H I L
21	0.225	-134.461	36.190	-48.576	A G J K
		95.656	43.308	-164.087	B C H I L
22	0	-134.461	48.596	-48.576	A G J K
		95.656	74.026	-164.087	B C H I L
22	0.0562	-134.461	47.457	-45.874	A G J K

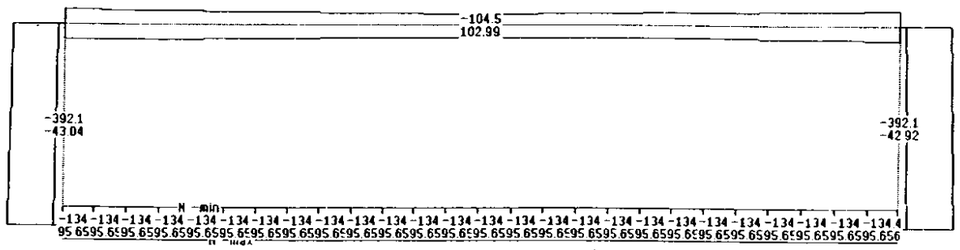
ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		95.656	71.461	-159.996	B C H I L
22	0.112	-134.461	46.318	-43.237	A G J K
		95.656	68.896	-156.048	B C H I L
22	0.169	-134.461	45.179	-40.664	A G J K
		95.656	66.331	-152.245	B C H I L
22	0.225	-134.461	44.039	-38.154	A G J K
		95.656	63.766	-148.586	B C H I L
23	0	-134.461	56.947	-38.154	A G J K
		95.656	96.484	-148.586	B C H I L
23	0.0563	-134.461	55.808	-34.983	A G J K
		95.656	93.919	-143.231	B C H I L
23	0.113	-134.461	54.669	-31.876	A G J K
		95.656	91.354	-138.020	B C H I L
23	0.169	-134.461	53.530	-28.833	A G J K
		95.656	88.789	-132.953	B C H I L
23	0.225	-134.461	52.391	-25.854	A G J K
		95.656	86.224	-128.031	B C H I L
24	0	-134.461	65.889	-25.854	A G J K
		95.656	121.288	-128.031	B C H I L
24	0.0562	-134.461	64.750	-22.180	A G J K
		95.656	118.723	-121.281	B C H I L
24	0.112	-134.461	63.611	-18.569	A G J K
		95.656	116.158	-114.675	B C H I L
24	0.169	-134.461	62.471	-15.023	A G J K
		95.656	113.593	-108.213	B C H I L
24	0.225	-134.461	61.332	-11.541	A G J K
		95.656	111.028	-101.896	B C H I L
25	0	-134.461	75.480	-11.541	A G J K
		95.656	148.735	-101.896	B C H I L
25	0.0562	-134.461	74.341	-7.328	A G J K
		95.656	146.170	-93.601	B C H I L
25	0.112	-134.461	73.202	-3.178	A G J K
		95.656	143.605	-85.451	B C H I L
25	0.169	-134.461	72.063	0.907553	A G J K
		95.656	141.040	-77.446	B C H I L
25	0.225	-134.461	70.924	4.929	A G J K
		95.656	138.475	-69.585	B C H I L
26	0	-134.461	85.748	4.929	A G J K
		95.656	179.060	-69.585	B C H I L
26	0.0563	-134.461	84.608	9.720	A G J K
		95.656	176.495	-59.585	B C H I L
26	0.113	-134.461	83.469	14.448	A G J K
		95.656	173.930	-49.729	B C H I L
26	0.169	-134.461	82.330	19.111	A G J K
		95.656	171.365	-40.017	B C H I L
26	0.225	-134.461	81.191	23.710	A G J K
		95.656	168.800	-30.450	B C H I L

ENVOLVENTE para < N > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
27	0	-134.461	96.678	23.710	A G J K
		95.656	212.425	-30.450	B C H I L
27	0.0562	-134.461	95.539	29.116	A G J K
		95.656	209.860	-18.573	B C H I L
27	0.112	-134.461	94.400	34.458	A G J K
		95.656	207.295	-6.841	B C H I L
27	0.169	-134.461	93.261	39.736	A G J K
		95.656	204.730	4.747	B C H I L
27	0.225	-134.461	92.122	44.950	A G J K
		95.656	202.165	16.191	B C H I L
28	0	-134.461	108.215	44.950	A G J K
		95.656	248.897	16.191	B C H I L
28	0.0563	-134.461	107.076	51.005	A G J K
		95.656	246.332	30.120	B C H I L
28	0.113	-134.461	105.937	56.996	A G J K
		95.656	243.767	43.904	B C H I L
28	0.169	-134.461	104.798	62.923	A G J K
		95.656	241.202	57.543	B C H I L
28	0.225	-134.461	103.659	68.786	A G J K
		95.656	238.637	71.039	B C H I L
29	0	-134.461	120.252	68.786	A G J K
		95.656	288.434	71.039	B C H I L
29	0.0562	-134.461	119.113	75.518	A G J K
		95.656	285.869	87.191	B C H I L
29	0.112	-134.461	117.974	82.186	A G J K
		95.656	283.304	103.199	B C H I L
29	0.169	-134.461	116.835	88.790	A G J K
		95.656	280.739	119.063	B C H I L
29	0.225	-134.461	115.696	95.330	A G J K
		95.656	278.174	134.782	B C H I L
30	0	-134.461	132.627	95.330	A G J K
		95.656	330.866	134.782	B C H I L
30	0.0562	-134.461	131.488	102.758	A G J K
		95.656	328.301	153.321	B C H I L
30	0.112	-134.461	130.349	110.122	A G J K
		95.656	325.736	171.716	B C H I L
30	0.169	-134.461	129.210	117.422	A G J K
		95.656	323.171	189.967	B C H I L
30	0.225	-134.461	128.071	124.658	A G J K
		95.656	320.606	208.073	B C H I L

Escala 1 : 43.3
Section forces envelope N , GWSP BM (E.L.U.), View "ALL"
- Struktur: Staebe
- Envelop Normal force N-min, Scaling 1.00E-03
  min: -3.92E+02 max: -7.84E+01 [kN]
- Envelop Normal force N-max, Scaling 1.00E-03
  min: -6.39E+01 max: 1.03E+02 [kN]
- Text envelopes [kN]



ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
2	0	-375.873	-98.265	-206.050	B C G J L
		-145.114	137.070	-126.682	A H I K
2	0.347	-368.840	-94.816	-239.539	B C G J L
		-138.081	122.919	-81.585	A H I K
2	0.695	-361.807	-93.510	-270.080	A C G J
		-131.048	111.316	-43.084	B H I K L
2	0.927	-357.109	-95.524	-292.024	A C G J
		-126.350	106.679	-17.784	B H I K L
2	1.042	-354.774	-96.225	-303.081	A C G J
		-124.015	104.142	-5.627	B H I K L
2	1.389	-345.983	-104.563	-331.524	B C G H J
		-118.740	102.995	23.907	A I K L
3	0	-118.740	-101.362	22.905	A J K L
		-345.983	102.930	-330.522	B C G H I
3	0.347	-125.773	-101.948	-12.323	B J K L
		-353.016	94.032	-296.385	A C G H I
3	0.463	-126.350	-104.071	-18.175	B G J K L
		-357.109	92.916	-291.632	A C H I
3	0.695	-131.048	-108.708	-42.872	B G J K L
		-361.807	90.901	-270.291	A C H I
3	1.042	-138.081	-120.311	-80.468	A G J K
		-368.840	92.208	-240.656	B C H I L
3	1.389	-145.114	-134.461	-124.658	A G J K
		-375.873	95.656	-208.073	B C H I L
4	0	77.893	43.045	70.534	N P R S

ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-54.522	364.024	-296.021	B E G J L
4	0.524	77.893	35.178	91.044	N P R S
		-49.826	341.523	-111.022	B E G J L
4	0.526	77.893	35.161	91.085	N P R S
		-88.190	325.190	-159.393	B C G J L
4	1.424	77.893	21.678	116.630	N P R S
		-80.141	286.623	115.565	B C G J L
4	1.426	77.893	21.661	116.655	N P R S
		-41.756	187.856	75.758	B E G J L
4	1.462	77.893	21.107	117.445	N P R S
		-41.426	186.272	82.664	B E G J L
4	2.124	77.893	11.178	128.130	N P R S
		-35.498	157.872	196.561	B E G J L
4	2.126	77.893	11.161	128.143	N P R S
		-73.862	114.060	206.172	B C G J L
4	2.924	65.141	-8.496	187.246	A H I K
		-66.709	79.785	283.597	B C G J L
4	2.925	65.135	-8.521	187.241	A H I K
		-66.703	79.760	283.643	B C G J L
4	2.926	9.311	-79.785	387.290	A C H I K
		-28.324	8.496	217.205	B E G J L
4	3.724	2.157	-114.060	309.866	A C H I K
		3.067	-11.039	25.637	N O Q T
4	3.726	40.521	-157.872	300.255	A E H I K
		3.067	-11.056	25.624	N O Q T
4	4.387	34.594	-186.272	186.358	A E H I K
		3.067	-20.985	15.020	N O Q T
4	4.424	34.263	-187.856	179.452	A E H I K
		3.067	-21.539	14.235	N O Q T
4	4.426	-4.122	-286.623	219.259	A C H I K
		3.067	-21.556	14.210	N O Q T
4	5.324	-12.171	-325.190	-55.699	A C H I K
		3.067	-35.039	-11.224	N O Q T
4	5.326	26.193	-341.523	-7.328	A E H I K
		3.067	-35.056	-11.265	N O Q T
4	5.850	21.497	-364.024	-192.328	A E H I K
		3.067	-42.922	-31.712	N O Q T
5	0	-117.017	-340.987	226.876	A E G J K
		8.686	-48.530	41.676	N P R T
5	0.0563	-117.017	-342.126	207.664	A E G J K
		8.686	-50.800	38.882	N P R T
5	0.113	-117.017	-343.265	188.387	A E G J K
		8.686	-53.070	35.961	N P R T
5	0.169	-117.017	-344.404	169.046	A E G J K
		8.686	-55.339	32.912	N P R T
5	0.225	-103.820	-345.824	147.806	A E G J K L
		-4.511	-57.329	31.571	N P R
6	0	-109.762	-297.045	156.343	A E G H J K
		-2.684	-42.412	25.196	N O T

ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
6	0.0563	-109.762	-298.184	139.602	A E G H J K
		-2.684	-44.682	22.746	N O T
6	0.113	-109.762	-299.323	122.797	A E G H J K
		-2.684	-46.951	20.169	N O T
6	0.169	-109.762	-300.462	105.928	A E G H J K
		-2.684	-49.221	17.464	N O T
6	0.225	-96.565	-302.156	87.676	A E G H J K L
		-15.881	-50.935	15.950	N O
7	0	-35.980	-260.221	131.292	A E H I K
		-10.360	-35.980	12.688	N O Q T
7	0.0563	-35.980	-261.360	116.623	A E H I K
		-10.360	-38.249	10.600	N O Q T
7	0.113	-35.980	-262.499	101.889	A E H I K
		-10.360	-40.519	8.385	N O Q T
7	0.169	-35.980	-263.638	87.092	A E H I K
		-10.360	-42.789	6.042	N O Q T
7	0.225	-22.783	-265.598	71.368	A E H I K L
		-23.557	-44.237	4.433	N O Q
8	0	-35.980	-227.177	72.230	A E H I K
		-10.360	-30.032	3.571	N O Q T
8	0.0562	-35.980	-228.316	59.419	A E H I K
		-10.360	-32.302	1.818	N O Q T
8	0.112	-35.980	-229.455	46.544	A E H I K
		-10.360	-34.571	-0.062923	N O Q T
8	0.169	-35.980	-230.594	33.606	A E H I K
		-10.360	-36.841	-2.071	N O Q T
8	0.225	-22.783	-232.808	20.140	A E H I K L
		-23.557	-38.036	-3.745	N O Q
9	0	-35.980	-196.406	20.603	A E H I K
		-10.360	-24.579	-4.208	N O Q T
9	0.0562	-35.980	-197.545	9.523	A E H I K
		-10.360	-26.849	-5.654	N O Q T
9	0.112	-35.980	-198.684	-1.621	A E H I K
		-10.360	-29.119	-7.228	N O Q T
9	0.169	-35.980	-199.823	-12.829	A E H I K
		-10.360	-31.388	-8.930	N O Q T
9	0.225	-22.783	-202.277	-24.218	A E H I K L
		-23.557	-32.343	-10.643	N O Q
10	0	-35.980	-167.959	-24.101	A E H I K
		-10.360	-19.612	-10.759	N O Q T
10	0.0563	-35.980	-169.098	-33.581	A E H I K
		-10.360	-21.882	-11.926	N O Q T
10	0.113	-35.980	-170.237	-43.125	A E H I K
		-10.360	-24.151	-13.221	N O Q T
10	0.169	-22.783	-171.491	-52.507	A E H I K L
		-23.557	-26.307	-14.869	N O Q
10	0.225	-22.783	-174.056	-62.226	A E H I K L

ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-23.557	-27.151	-16.372	N O Q
11	0	-35.980	-141.783	-62.405	A E H I K
		-10.360	-15.106	-16.193	N O Q T
11	0.0562	-35.980	-142.922	-70.412	A E H I K
		-10.360	-17.376	-17.107	N O Q T
11	0.112	-35.980	-144.061	-78.483	A E H I K
		-10.360	-19.646	-18.148	N O Q T
11	0.169	-22.783	-145.525	-86.134	A E H I K L
		-23.557	-21.590	-19.802	N O Q
11	0.225	-22.783	-148.090	-94.392	A E H I K L
		-23.557	-22.434	-21.040	N O Q
12	0	-35.980	-117.734	-94.818	A E H I K
		-10.360	-11.025	-20.614	N O Q T
12	0.0563	-35.980	-118.873	-101.473	A E H I K
		-10.360	-13.294	-21.298	N O Q T
12	0.113	-35.980	-120.012	-108.192	A E H I K
		-10.360	-15.564	-22.109	N O Q T
12	0.169	-22.783	-121.673	-114.275	A E H I K L
		-23.557	-17.312	-23.748	N O Q
12	0.225	-22.783	-124.238	-121.191	A E H I K L
		-23.557	-18.156	-24.745	N O Q
13	0	-35.980	-95.592	-121.821	A E H I K
		-10.360	-7.320	-24.115	N O Q T
13	0.0562	-35.980	-96.731	-127.230	A E H I K
		-10.360	-9.589	-24.591	N O Q T
13	0.112	-35.980	-97.870	-132.704	A E H I K
		-10.360	-11.859	-25.194	N O Q T
13	0.169	-22.783	-99.714	-137.369	A E H I K L
		-23.557	-13.424	-26.797	N O Q
13	0.225	-22.783	-102.279	-143.050	A E H I K L
		-23.557	-14.268	-27.576	N O Q
14	0	-35.980	-75.074	-143.842	A E H I K
		-10.360	-3.936	-26.784	N O Q T
14	0.0563	-35.980	-76.213	-148.097	A E H I K
		-10.360	-6.205	-27.069	N O Q T
14	0.113	-35.980	-77.352	-152.416	A E H I K
		-10.360	-8.475	-27.482	N O Q T
14	0.169	-22.783	-79.368	-155.794	A E H I K L
		-23.557	-9.867	-29.028	N O Q
14	0.225	-22.783	-81.933	-160.331	A E H I K L
		-23.557	-10.711	-29.606	N O Q
15	0	-35.980	-55.844	-161.246	A E H I K
		-41.199	0.456574	-76.852	B G J L
15	0.0563	-35.980	-56.983	-164.419	A E H I K
		-41.199	-2.108	-76.899	B G J L
15	0.113	-35.980	-58.122	-167.657	A E H I K

ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-41.199	-4.673	-77.090	B G J L
15	0.169	-22.783	-60.302	-169.857	A E H I K L
		-54.396	-6.198	-78.526	B G J
15	0.225	-22.783	-62.867	-173.321	A E H I K L
		-54.396	-7.337	-78.906	B G J
16	0	-35.980	-37.526	-174.324	A E H I K
		-41.199	7.868	-77.904	B G J L
16	0.0563	-35.980	-38.665	-176.466	A E H I K
		-41.199	5.303	-77.534	B G J L
16	0.113	-35.980	-39.804	-178.673	A E H I K
		-41.199	2.738	-77.307	B G J L
16	0.169	-22.783	-42.141	-179.783	A E H I K L
		-54.396	1.370	-78.387	B G J
16	0.225	-22.783	-44.706	-182.226	A E H I K L
		-54.396	0.231051	-78.342	B G J
17	0	-35.980	-19.714	-183.280	A E H I K
		-41.199	14.869	-77.288	B G J L
17	0.0562	-35.980	-20.853	-184.420	A E H I K
		-41.199	12.304	-76.524	B G J L
17	0.112	-35.980	-21.992	-185.625	A E H I K
		-41.199	9.739	-75.904	B G J L
17	0.169	-22.783	-24.482	-185.708	A E H I K L
		-54.396	8.524	-76.615	B G J
17	0.225	-22.783	-27.047	-187.157	A E H I K L
		-54.396	7.385	-76.167	B G J
18	0	26.640	-7.341	-75.084	B H I
		-103.820	27.002	-188.241	A E G J K L
18	0.0563	26.640	-8.480	-75.528	B H I
		-103.820	24.437	-186.794	A E G J K L
18	0.113	39.837	-9.695	-74.815	B H I L
		-117.017	21.948	-186.714	A E G J K
18	0.169	39.837	-12.260	-75.432	B H I L
		-117.017	20.809	-185.512	A E G J K
18	0.225	39.837	-14.825	-76.194	B H I L
		-117.017	19.670	-184.373	A E G J K
19	0	26.640	-0.099797	-77.248	B H I
		-103.820	44.575	-183.320	A E G J K L
19	0.0563	26.640	-1.239	-77.285	B H I
		-103.820	42.010	-180.885	A E G J K L
19	0.113	39.837	-2.606	-76.199	B H I L
		-117.017	39.673	-179.782	A E G J K
19	0.169	39.837	-5.171	-76.418	B H I L
		-117.017	38.534	-177.583	A E G J K
19	0.225	39.837	-7.736	-76.781	B H I L
		-117.017	37.395	-175.447	A E G J K
20	0	26.640	7.551	-77.783	B H I

ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-103.820	62.652	-174.445	A E G J K L
20	0.0563	26.640	6.412	-77.390	B H I
		-103.820	60.087	-170.993	A E G J K L
20	0.113	39.837	4.888	-75.942	B H I L
		-117.017	57.907	-168.804	A E G J K
20	0.169	39.837	2.323	-75.739	B H I L
		-117.017	56.768	-165.579	A E G J K
20	0.225	39.837	-0.242089	-75.681	B H I L
		-117.017	55.629	-162.418	A E G J K
21	0	-4.511	10.983	-29.249	N P R
		-103.820	81.642	-161.502	A E G J K L
21	0.0563	-4.511	10.140	-28.655	N P R
		-103.820	79.077	-156.982	A E G J K L
21	0.113	8.686	8.747	-27.094	N P R T
		-117.017	77.061	-153.620	A E G J K
21	0.169	8.686	6.478	-26.666	N P R T
		-117.017	75.921	-149.318	A E G J K
21	0.225	8.686	4.208	-26.365	N P R T
		-117.017	74.782	-145.079	A E G J K
22	0	-4.511	14.541	-27.158	N P R
		-103.820	101.920	-144.287	A E G J K L
22	0.0562	-4.511	13.698	-26.363	N P R
		-103.820	99.355	-138.626	A E G J K L
22	0.112	8.686	12.133	-24.745	N P R T
		-117.017	97.511	-133.981	A E G J K
22	0.169	8.686	9.863	-24.126	N P R T
		-117.017	96.372	-128.528	A E G J K
22	0.225	8.686	7.594	-23.635	N P R T
		-117.017	95.233	-123.139	A E G J K
23	0	-4.511	18.426	-24.266	N P R
		-103.820	123.824	-122.509	A E G J K L
23	0.0563	-4.511	17.582	-23.253	N P R
		-103.820	121.259	-115.616	A E G J K L
23	0.113	8.686	15.834	-21.599	N P R T
		-117.017	119.598	-109.556	A E G J K
23	0.169	8.686	13.564	-20.772	N P R T
		-117.017	118.459	-102.861	A E G J K
23	0.225	8.686	11.294	-20.073	N P R T
		-117.017	117.320	-96.230	A E G J K
24	0	-4.511	22.693	-20.499	N P R
		-103.820	147.636	-95.803	A E G J K L
24	0.0562	-4.511	21.850	-19.247	N P R
		-103.820	145.071	-87.571	A E G J K L
24	0.112	8.686	19.905	-17.578	N P R T
		-117.017	143.607	-79.946	A E G J K
24	0.169	8.686	17.635	-16.522	N P R T
		-117.017	142.468	-71.900	A E G J K

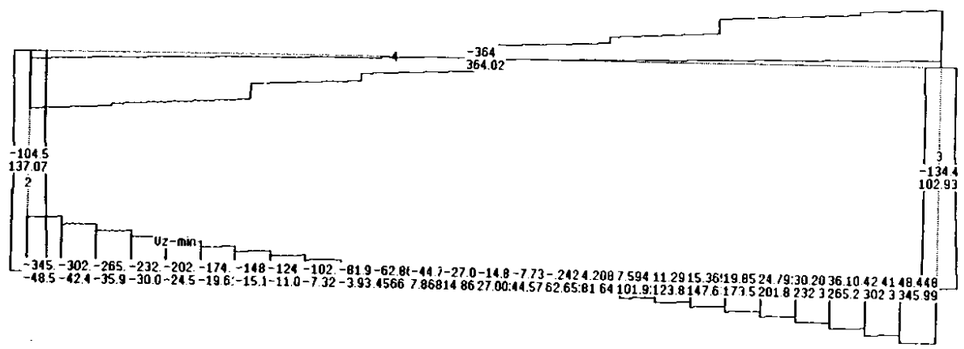
ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
24	0.225	8.686	15.365	-15.594	N P R T
		-117.017	141.329	-63.918	A E G J K
25	0	-4.511	27.391	-15.773	N P R
		-103.820	173.580	-63.739	A E G J K L
25	0.0562	-4.511	26.547	-14.256	N P R
		-103.820	171.015	-54.048	A E G J K L
25	0.112	8.686	24.392	-12.595	N P R T
		-117.017	169.761	-44.692	A E G J K
25	0.169	8.686	22.122	-11.287	N P R T
		-117.017	168.622	-35.175	A E G J K
25	0.225	8.686	19.853	-10.106	N P R T
		-117.017	167.483	-25.722	A E G J K
26	0	-4.511	32.556	-9.990	N P R
		-103.820	201.802	-25.838	A E G J K L
26	0.0563	8.686	31.601	-8.265	N P R T
		-117.017	199.348	-14.476	A E G J K
26	0.113	8.686	29.331	-6.551	N P R T
		-117.017	198.209	-3.295	A E G J K
26	0.169	8.686	27.062	-4.965	N P R T
		-117.017	197.070	7.822	A E G J K
26	0.225	8.686	24.792	-3.507	N P R T
		-117.017	195.930	18.875	A E G J K
27	0	-4.511	38.210	-3.044	N P R
		-103.820	232.359	18.413	A E G J K L
27	0.0562	8.686	37.015	-1.361	N P R T
		-117.017	230.145	31.853	A E G J K
27	0.112	8.686	34.746	0.657688	N P R T
		-117.017	229.006	44.767	A E G J K
27	0.169	8.686	32.476	2.548	N P R T
		-117.017	227.867	57.616	A E G J K
27	0.225	8.686	30.206	4.311	N P R T
		-117.017	226.728	70.402	A E G J K
28	0	-4.511	44.361	5.173	N P R
		-103.820	265.206	69.540	A E G J K L
28	0.0563	8.686	42.912	6.789	N P R T
		-117.017	263.246	85.241	A E G J K
28	0.113	8.686	40.642	9.139	N P R T
		-117.017	262.107	100.017	A E G J K
28	0.169	8.686	38.373	11.361	N P R T
		-117.017	260.968	114.728	A E G J K
28	0.225	8.686	36.103	13.456	N P R T
		-117.017	259.828	129.376	A E G J K
29	0	-4.699	50.938	17.167	N
		-45.812	302.345	88.877	A E G H I K L
29	0.0562	8.498	49.224	18.681	N T
		-59.009	300.651	107.139	A E G H I K

ENVOLVENTE para < Vz > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
29	0.112	8.498	46.954	21.386	N T
		-59.009	299.512	124.019	A E G H I K
29	0.169	8.498	44.684	23.963	N T
		-59.009	298.373	140.834	A E G H I K
29	0.225	8.498	42.415	26.413	N T
		-59.009	297.234	157.586	A E G H I K
30	0	-23.557	57.247	31.676	N O Q
		-22.783	345.996	149.790	A E H I K L
30	0.0562	-10.360	55.257	33.012	N O Q T
		-35.980	344.577	171.041	A E H I K
30	0.112	-10.360	52.988	36.057	N O Q T
		-35.980	343.438	190.391	A E H I K
30	0.169	-10.360	50.718	38.973	N O Q T
		-35.980	342.299	209.677	A E H I K
30	0.225	-10.360	48.448	41.762	N O Q T
		-35.980	341.160	228.900	A E H I K

Escala 1 : 39.7
Section forces envelope Vz, GWSP BM (E.L.U.), View "ALL"
- Struktur: Staebe
- Envelop Shear force Vz-min, Scaling 1.00E-03
  min: -3.64E+02 max: 5.72E+01 [kN]
- Envelop Shear force Vz-max, Scaling 1.00E-03
  min: -5.73E+01 max: 3.64E+02 [kN]
- Text envelopes [kN]



ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
2	0	-375.114	119.625	-273.542	A E H I K
		-65.666	-8.148	-35.366	N O Q T
2	0.347	-353.556	-32.566	-258.049	B C I L
		-59.871	84.195	-14.938	N O Q R S
2	0.695	-361.807	-92.772	-272.074	B C G J L
		-53.464	85.516	14.059	N P R S
2	0.927	-357.109	-92.189	-293.518	B C G J L
		-49.984	82.433	33.531	N P R S
2	1.042	-354.774	-92.132	-304.143	B C G J L
		-48.254	81.101	42.958	N P R S
2	1.389	-347.741	-97.130	-336.710	A C G J
		-43.045	82.305	70.923	N P R S T
3	0	-347.741	94.522	-335.110	A C H I
		-42.922	-80.711	70.858	N O Q S T
3	0.347	-354.774	89.524	-303.448	B C H I L
		-48.132	-79.810	43.412	N O Q S
3	0.463	-357.109	89.580	-293.126	B C H I L
		-49.861	-81.375	34.123	N O Q S
3	0.695	-361.807	90.163	-272.285	B C H I L
		-53.342	-85.130	14.822	N O Q S
3	1.042	-353.556	34.200	-257.349	B C J L
		-59.137	-89.843	-15.140	N O Q R S
3	1.389	-375.114	-117.017	-271.519	A E G J K
		-65.544	8.686	-36.142	N P R T
4	0	-97.130	347.741	-336.710	A C G J
		82.305	43.045	70.923	N P R S T
4	0.524	-92.434	325.240	-160.250	A C G J
		82.305	35.178	91.433	N P R S T
4	0.526	-92.424	325.190	-159.869	A C G J
		82.305	35.161	91.474	N P R S T
4	1.424	-1.345	23.461	10.962	N O Q
		26.987	269.581	245.309	B C H I K L
4	1.426	-1.345	23.444	10.989	N O Q
		26.977	127.053	245.541	B C H I K L
4	1.462	-1.345	22.890	11.845	N O Q
		26.646	125.469	250.202	B C H I K L
4	2.124	-1.345	12.961	23.710	N O Q
		20.719	97.069	323.852	B C H I K L
4	2.126	-1.345	12.944	23.725	N O Q
		20.708	97.018	323.966	B C H I K L
4	2.924	-3.763	0.375429	29.265	N O Q R
		20.810	64.501	387.820	B C I K L
4	2.925	-3.763	0.366654	29.265	N O Q R
		20.804	64.476	387.858	B C I K L
4	2.926	-3.763	0.357879	29.265	N O Q R
		20.799	-78.027	387.812	B C I K L
4	3.724	0.248256	-12.822	24.245	N P R
		18.100	-97.018	322.366	B C G J K L
4	3.726	0.248256	-12.839	24.230	N P R

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		18.110	-97.069	322.252	B C G J K L
4	4.387	0.248256	-22.768	12.445	N P R
		24.038	-125.469	248.601	B C G J K L
4	4.424	0.248256	-23.322	11.595	N P R
		24.368	-127.053	243.941	B C G J K L
4	4.426	0.248256	-23.339	11.567	N P R
		24.379	-269.581	243.708	B C G J K L
4	5.324	-89.815	-325.190	-158.269	A C H I
		80.711	-35.039	91.346	N O Q S T
4	5.326	-89.826	-325.240	-158.649	A C H I
		80.711	-35.056	91.305	N O Q S T
4	5.850	-94.522	-347.741	-335.110	A C H I
		80.711	-42.922	70.858	N O Q S T
5	0	-10.360	-49.301	35.366	N O Q T
		-35.980	-332.301	273.542	A E H I K
5	0.0563	-10.360	-51.570	32.529	N O Q T
		-35.980	-333.440	254.819	A E H I K
5	0.113	-10.360	-53.840	29.564	N O Q T
		-35.980	-334.579	236.030	A E H I K
5	0.169	-10.360	-56.110	26.472	N O Q T
		-35.980	-335.718	217.178	A E H I K
5	0.225	-10.360	-58.379	23.252	N O Q T
		-35.980	-336.857	198.262	A E H I K
6	0	-10.360	-42.413	23.252	N O Q T
		-35.980	-295.366	198.262	A E H I K
6	0.0563	-10.360	-44.682	20.803	N O Q T
		-35.980	-296.505	181.616	A E H I K
6	0.113	-10.360	-46.952	18.225	N O Q T
		-35.980	-297.644	164.905	A E H I K
6	0.169	-10.360	-49.222	15.520	N O Q T
		-35.980	-298.783	148.131	A E H I K
6	0.225	-10.360	-51.492	12.688	N O Q T
		-35.980	-299.922	131.292	A E H I K
7	0	-10.360	-35.980	12.688	N O Q T
		-35.980	-260.221	131.292	A E H I K
7	0.0563	-41.199	-96.220	10.041	B G J L
		-35.980	-261.360	116.623	A E H I K
7	0.113	-41.199	-98.785	4.557	B G J L
		-35.980	-262.499	101.889	A E H I K
7	0.169	-41.199	-101.350	-1.072	B G J L
		-35.980	-263.638	87.092	A E H I K
7	0.225	-41.199	-103.915	-6.845	B G J L
		-35.980	-264.777	72.230	A E H I K
8	0	-41.199	-77.239	-6.845	B G J L
		-35.980	-227.177	72.230	A E H I K
8	0.0562	-41.199	-79.804	-11.262	B G J L
		-35.980	-228.316	59.419	A E H I K

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
8	0.112	-41.199	-82.369	-15.823	B G J L
		-35.980	-229.455	46.544	A E H I K
8	0.169	-41.199	-84.934	-20.529	B G J L
		-35.980	-230.594	33.606	A E H I K
8	0.225	14.620	-211.976	-32.177	B C G J L
		-53.425	-97.127	25.437	A H I K
9	0	14.620	-168.325	-32.177	B C G J L
		-53.425	-81.667	25.437	A H I K
9	0.0562	14.620	-170.890	-41.718	B C G J L
		-53.425	-82.806	20.811	A H I K
9	0.112	14.620	-173.455	-51.403	B C G J L
		-53.425	-83.945	16.121	A H I K
9	0.169	14.620	-176.020	-61.232	B C G J L
		-53.425	-85.084	11.367	A H I K
9	0.225	-23.754	-187.343	-71.211	B E G J L
		-53.425	-86.223	6.549	A H I K
10	0	-23.754	-145.470	-71.211	B E G J L
		-53.425	-71.400	6.549	A H I K
10	0.0563	-36.952	-150.773	-79.543	B E G J
		-40.228	-69.801	2.579	A H I K L
10	0.113	-36.952	-151.912	-88.056	B E G J
		-40.228	-72.366	-1.420	A H I K L
10	0.169	-36.952	-153.051	-96.633	B E G J
		-68.958	-29.957	-5.460	N P R S T
10	0.225	-36.952	-154.190	-105.274	B E G J
		-68.958	-32.227	-7.209	N P R S T
11	0	-36.952	-120.797	-105.274	B E G J
		-68.958	-18.898	-7.209	N P R S T
11	0.0562	-36.952	-121.936	-112.101	B E G J
		-68.958	-21.168	-8.336	N P R S T
11	0.112	-36.952	-123.075	-118.992	B E G J
		-68.958	-23.438	-9.590	N P R S T
11	0.169	-36.952	-124.214	-125.947	B E G J
		-68.958	-25.708	-10.973	N P R S T
11	0.225	-36.952	-125.353	-132.966	B E G J
		-68.958	-27.977	-12.482	N P R S T
12	0	-36.952	-94.716	-132.966	B E G J
		-68.958	-14.954	-12.482	N P R S T
12	0.0563	-36.952	-95.855	-138.326	B E G J
		-68.958	-17.224	-13.387	N P R S T
12	0.113	-36.952	-96.994	-143.750	B E G J
		-68.958	-19.494	-14.420	N P R S T
12	0.169	-36.952	-98.134	-149.238	B E G J
		-68.958	-21.763	-15.580	N P R S T
12	0.225	-36.952	-99.273	-154.790	B E G J
		-68.958	-24.033	-16.869	N P R S T

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
13	0	-36.952	-71.084	-154.790	B E G J
		-68.958	-11.287	-16.869	N P R S T
13	0.0562	-36.952	-72.223	-158.820	B E G J
		-68.958	-13.557	-17.567	N P R S T
13	0.112	-36.952	-73.362	-162.915	B E G J
		-68.958	-15.827	-18.394	N P R S T
13	0.169	-36.952	-74.501	-167.074	B E G J
		-68.958	-18.096	-19.348	N P R S T
13	0.225	-36.952	-75.640	-171.296	B E G J
		-68.958	-20.366	-20.429	N P R S T
14	0	-36.952	-49.538	-171.296	B E G J
		-68.958	-7.858	-20.429	N P R S T
14	0.0563	-36.952	-50.677	-174.115	B E G J
		-68.958	-10.128	-20.935	N P R S T
14	0.113	-36.952	-51.816	-176.998	B E G J
		-68.958	-12.398	-21.569	N P R S T
14	0.169	-36.952	-52.955	-179.944	B E G J
		-68.958	-14.667	-22.330	N P R S T
14	0.225	-36.952	-54.094	-182.955	B E G J
		-68.958	-16.937	-23.219	N P R S T
15	0	-36.952	-29.680	-182.955	B E G J
		-68.958	-4.621	-23.219	N P R S T
15	0.0563	-36.952	-30.819	-184.657	B E G J
		-68.958	-6.890	-23.543	N P R S T
15	0.113	-36.952	-31.958	-186.422	B E G J
		-68.958	-9.160	-23.994	N P R S T
15	0.169	-36.952	-33.097	-188.252	B E G J
		-68.958	-11.430	-24.573	N P R S T
15	0.225	-36.952	-34.237	-190.146	B E G J
		-68.958	-13.699	-25.280	N P R S T
16	0	-36.952	-11.083	-190.146	B E G J
		-68.958	-1.520	-25.280	N P R S T
16	0.0563	-36.952	-12.222	-190.801	B E G J
		-68.958	-3.790	-25.429	N P R S T
16	0.113	-36.952	-13.361	-191.521	B E G J
		-68.958	-6.060	-25.706	N P R S T
16	0.169	-36.952	-14.501	-192.304	B E G J
		-68.958	-8.329	-26.111	N P R S T
16	0.225	-36.952	-15.640	-193.152	B E G J
		-68.958	-10.599	-26.643	N P R S T
17	0	-36.952	6.696	-193.152	B E G J
		-68.958	1.501	-26.643	N P R S T
17	0.0562	-36.952	5.557	-192.807	B E G J
		-68.958	-0.768527	-26.623	N P R S T
17	0.112	-36.952	4.418	-192.527	B E G J
		-68.958	-3.038	-26.730	N P R S T
17	0.169	-36.952	3.279	-192.310	B E G J

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-68.958	-5.308	-26.965	N P R S T
17	0.225	-13.923	-1.048	-192.193	B E J
		-76.635	-6.515	-27.315	N P Q R S T
18	0	-13.923	20.919	-192.193	B E J
		-76.635	5.569	-27.315	N P Q R S T
18	0.0563	36.830	-0.063808	-191.486	B E I
		-85.587	4.480	-27.049	N O Q R S T
18	0.113	36.830	-1.203	-191.521	B E I
		-85.587	2.210	-26.861	N O Q R S T
18	0.169	44.085	-5.513	-191.716	B E H I
		-88.005	0.997459	-26.769	N O Q S T
18	0.225	44.085	-6.652	-192.058	B E H I
		-88.005	-1.272	-26.777	N O Q S T
19	0	44.085	15.771	-192.058	B E H I
		-88.005	10.811	-26.777	N O Q S T
19	0.0563	44.085	14.632	-191.203	B E H I
		-88.005	8.541	-26.232	N O Q S T
19	0.113	44.085	13.493	-190.412	B E H I
		-88.005	6.272	-25.816	N O Q S T
19	0.169	44.085	12.354	-189.685	B E H I
		-88.005	4.002	-25.527	N O Q S T
19	0.225	44.085	11.215	-189.022	B E H I
		-88.005	1.732	-25.365	N O Q S T
20	0	44.085	34.451	-189.022	B E H I
		-88.005	13.893	-25.365	N O Q S T
20	0.0563	44.085	33.312	-187.116	B E H I
		-88.005	11.623	-24.648	N O Q S T
20	0.113	44.085	32.173	-185.275	B E H I
		-88.005	9.353	-24.058	N O Q S T
20	0.169	44.085	31.034	-183.497	B E H I
		-88.005	7.084	-23.596	N O Q S T
20	0.225	44.085	29.895	-181.783	B E H I
		-88.005	4.814	-23.261	N O Q S T
21	0	44.085	54.386	-181.783	B E H I
		-88.005	17.110	-23.261	N O Q S T
21	0.0563	44.085	53.247	-178.756	B E H I
		-88.005	14.840	-22.362	N O Q S T
21	0.113	44.085	52.107	-175.793	B E H I
		-88.005	12.571	-21.591	N O Q S T
21	0.169	44.085	50.968	-172.894	B E H I
		-88.005	10.301	-20.948	N O Q S T
21	0.225	44.085	49.829	-170.059	B E H I
		-88.005	8.031	-20.432	N O Q S T
22	0	44.085	75.999	-170.059	B E H I
		-88.005	20.517	-20.432	N O Q S T
22	0.0562	44.085	74.860	-165.816	B E H I

ENVOLVENTE para < My > (y valores concomitantes) "ALL"
(1. línea: MIN., 2. línea: MAX.)

Barra	Dist. [m]	N [kN]	Vz [kN]	My [kNm]	Hipótesis decisivos
		-88.005	18.248	-19.342	N O Q S T
22	0.112	44.085	73.721	-161.637	B E H I
		-88.005	15.978	-18.380	N O Q S T
22	0.169	44.085	72.581	-157.523	B E H I
		-88.005	13.708	-17.545	N O Q S T
22	0.225	44.085	71.442	-153.472	B E H I
		-88.005	11.439	-16.837	N O Q S T
23	0	44.085	99.687	-153.472	B E H I
		-88.005	24.162	-16.837	N O Q S T
23	0.0563	44.085	98.548	-147.897	B E H I
		-88.005	21.892	-15.542	N O Q S T
23	0.113	44.085	97.409	-142.385	B E H I
		-88.005	19.622	-14.375	N O Q S T
23	0.169	44.085	96.270	-136.938	B E H I
		-88.005	17.353	-13.335	N O Q S T
23	0.225	44.085	95.130	-131.555	B E H I
		-88.005	15.083	-12.422	N O Q S T
24	0	44.085	125.807	-131.555	B E H I
		-88.005	28.082	-12.422	N O Q S T
24	0.0562	44.085	124.668	-124.510	B E H I
		-88.005	25.812	-10.907	N O Q S T
24	0.112	44.085	123.529	-117.530	B E H I
		-88.005	23.542	-9.519	N O Q S T
24	0.169	44.085	122.390	-110.613	B E H I
		-88.005	21.273	-8.258	N O Q S T
24	0.225	44.085	121.251	-103.761	B E H I
		-88.005	19.003	-7.125	N O Q S T
25	0	44.085	154.666	-103.761	B E H I
		-88.005	32.306	-7.125	N O Q S T
25	0.0562	44.085	153.527	-95.093	B E H I
		-88.005	30.036	-5.372	N O Q S T
25	0.112	44.085	152.388	-86.489	B E H I
		-121.264	71.890	-2.986	A G J K L
25	0.169	44.085	151.249	-77.949	B E H I
		-121.264	69.325	0.985255	A G J K L
25	0.225	57.282	145.946	-69.590	B E H I L
		-134.461	70.924	4.929	A G J K
26	0	57.282	187.818	-69.590	B E H I L
		-134.461	85.748	4.929	A G J K
26	0.0563	95.656	176.495	-59.585	B C H I L
		-134.461	84.608	9.720	A G J K
26	0.113	95.656	173.930	-49.729	B C H I L
		-134.461	83.469	14.448	A G J K
26	0.169	95.656	171.365	-40.017	B C H I L
		-134.461	82.330	19.111	A G J K
26	0.225	95.656	168.800	-30.450	B C H I L
		-134.461	81.191	23.710	A G J K

Paso Superior sobre el Camino de San Antón

CÁLCULOS JUSTIFICATIVOS

ÍNDICE

1. DESCRIPCIÓN
2. CARGAS CONSIDERADAS
3. MATERIALES
   - 3.1 VIGAS
   - 3.2 LOSA, ESTRIBOS Y CIMENTACIÓN
4. MODELOS
   - 4.1 MODELO PARA EL ANÁLISIS DEL TABLERO
5. LISTADOS DE HIPÓTESIS INDIVIDUALES
6. TABLERO
   - 6.1 RESULTADOS DEL MODELO TRIDIMENSIONAL-VIGAS
   - 6.2 CÁLCULO DE LAS VIGAS
7. PILAS
8. CIMENTACIÓN DE PILAS
9. ESTRIBOS

L.A.V. MADRID - ZARAGOZA
MIRAFLORES – SUBTRAMO II
PASO SUPERIOR DE SAN ANTÓN
ANEJO DE CÁLCULO

Mayo 2000

Doc Nº: FHE-OC-04-00-LTE3
Preparado: APC
Revisado: CLS
Aprobado: JRM

Doc. Nº: FHE-OC-04-00-E3

INDICE

1 DESCRIPCION
2 CARGAS CONSIDERADAS
3 MATERIALES
3.1 Vigas
3.2 Losa, estribos y cimentación
4 MODELOS
4.1 Modelo para el análisis del Tablero
5 LISTADO DE HIPÓTESIS INDIVIDUALES
6 TABLERO
6.1 Resultados del Modelo Tridimensional - Vigas
6.2 Cálculo de las Vigas

7 PILAS
8 CIMENTACION DE PILAS
9 ESTRIBOS

1 DESCRIPCION

El Paso Superior del Camino de San Antón es la reposición de una estructura existente que se demuele.

Condicionantes geométricos

Esta estructura permite el paso por encima del Tronco Principal de la nueva línea de alta velocidad Madrid-Zaragoza-Barcelona-Frontera Francesa. La estructura tiene 5 vanos porque, además de pasar sobre esta nueva línea de ferrocarril, discurren por debajo de ella una vía de ferrocarril existente (Vía a Caspe) y un camino.

La estructura, de 72.00 metros de longitud está situada, aproximadamente, entre los P.K. 0+211.439 a 0+283,439 de la citada linea de alta velocidad. En planta, la estructura tiene un primer trano recto que se transforma en curva al acercarse al estribo 2.

En alzado, la estructura se encuentra en un acuerdo vertical, por lo que las pendientes longitudinales son variables.

Para el encaje de la estructura debe tenerse en cuenta, además de la nueva línea de alta velocidad, la citada vía existente y el camino.

Los datos de la intersección del Tronco con el camino de San Antón son:

P.K. [m]	x [m]	y [m]	Az [grados]
Eje 39: Reposición del Camino de San Antón			
Eje 8: Tronco Principal de la Vía Doble de Ancho Internacional			
247.439	678979.622	4610204.151	249.527
2254.932	678979.622	4610204.151	149.5266

Condicionantes geotécnicos

De acuerdo con la información geotécnica disponible, es necesario realizar una cimentación profunda mediante pilotes de 1.25 m. de diámetro situando la punta de los pilotes a la cota 184.

Descripción de la solución adoptada

De acuerdo con los condicionantes anteriores, se ha planteado una estructura de cinco vanos de luces de 13.00 – 14.50 – 17.00 – 14.50 – 13.00 metros, respectivamente.

El tablero es de vigas prefabricadas. Se disponen 5 vigas de 0.80 metros de canto sobre las que se hormigona una losa de 20 cm de espesor mínimo. El ancho total del tablero es de 10.0 metros, y permite albergar 2 carriles de 3.50 metros de ancho, arcenes de 1.0 metros y barreras rígidas que ocupan 0.50 metros a cada lado del tablero.

La pila central está formada por un fuste apantallado, con un dintel que recoge las vigas. Los estribos están formados por dos cargaderos cimentados sobre pilotes.

Debido a la demolición del camino de la antigua estructura del Camino de San Antón es necesario construir un muro que contenga las tierras.

2 CARGAS CONSIDERADAS

Para el dimensionamiento de esta estructura se han considerado las siguientes cargas:

- peso propio (vigas y losa superior)
- pretensado
- carga muerta (7 cm de pavimento, 3 cm de sobre espesor de pavimento más barreras rígidas de 8.0 kN/m).
- sobrecarga repartida de 4.00 kN/m²
- vehículo pesado de 600 kN
- deformaciones reológicas 1000 microdeformaciones
- gradiente térmico de 14º C
- viento transversal de 2,25 kN/m^2 en tablero y 2,76 kN/m^2 en pilas.
- frenado de 180 kN
- incremento o disminución de temperatura uniforme de 21.5ºC

1) Cargas permanentes

- Peso propio
- Pavimento 7 cm (10 cm) $0,1 \cdot 2,4 = 0,24\ t/m^2$
- Sobreespesor 3,5 cm : $0,035 \cdot 2,5 = 0,0875\ t/m^2$

2) Sobrecarga uso $0,4\ t/m^2$

- 1 carro 60 t
- Frenado $\frac{1}{20}\left[94\ 72\ 9 + 60\right] = 15,96\ t$

Valores límite $20\ b = 20\ 9 = 180\ KN$

$60\ b = 60\ 9 = 540\ KN$

$F = 18\ t$

3) Acciones climáticas

- Viento $V_{ref} = 28\ m/s$. entorno tipo 2
  - Viento transversal . $225\ Kg/m^2$
  - Viento sobre pilas . $276\ Kg/m^2$

4) Acciones térmicas

- Variación uniforme Tª . $\Delta T = K z^a h^b s^c$

$z = 4$ $h = 1,0\ m$ $h_{min} = 1,0$ $h_{max} = 2,5\ m$

$K = 26,9$ $a = 0,30$ $b = -0,088$ $c = 0,057$ $s = 2,3$

$\Delta T = 26,9\ 4^{0,3}\ 1^{-0,088}\ 2,3^{0,057} = 42,75°C$

$\Delta T = 21,5°C$

- Gradiente térmico

$\Delta T_{s1} = K\ \Delta T_{s1,ref}$ $\Delta T_{s1,ref} = 11,5°C$ $K = 1,22$

$\Delta T = 14°C$

5) Reológicas $1000\ \mu\varepsilon$

3. MATERIALES

3 MATERIALES

3.1 Vigas

Los materiales empleados en las vigas prefabricadas son:

- Hormigón HA-45/B/20/IIa
- Control: Estadistico
- Coeficiente de minoración: 1.50
- Acero Pasivo B 500 S
- Control: Normal
- Coeficiente de minoración: 1.15
- Acero Activo: f_{yk}>1700 MPa; f_{pu}>1900 MPa
- Relajación a 1000 horas para 70% f_{pu} menor del 2%
- Coeficiente de minoración: 1.15

3.2 Losa, pilas, estribos y cimentación

Los materiales empleados en la losa del tablero son:

- Hormigón HA-25/B/20/IIa
- Control: Estadistico
- Coeficiente de minoración: 1.50
- Acero Pasivo B 500 S
- Control: Normal
- Coeficiente de minoración: 1.15

4 MODELOS

4.1 Modelo para el análisis del Tablero

Para el análisis de la estructura se ha utilizado un modelo de elementos finitos tipo barra tridimensional. Este modelo se ha desarrollado utilizando el programa STATIK2 de CUBUS AG.

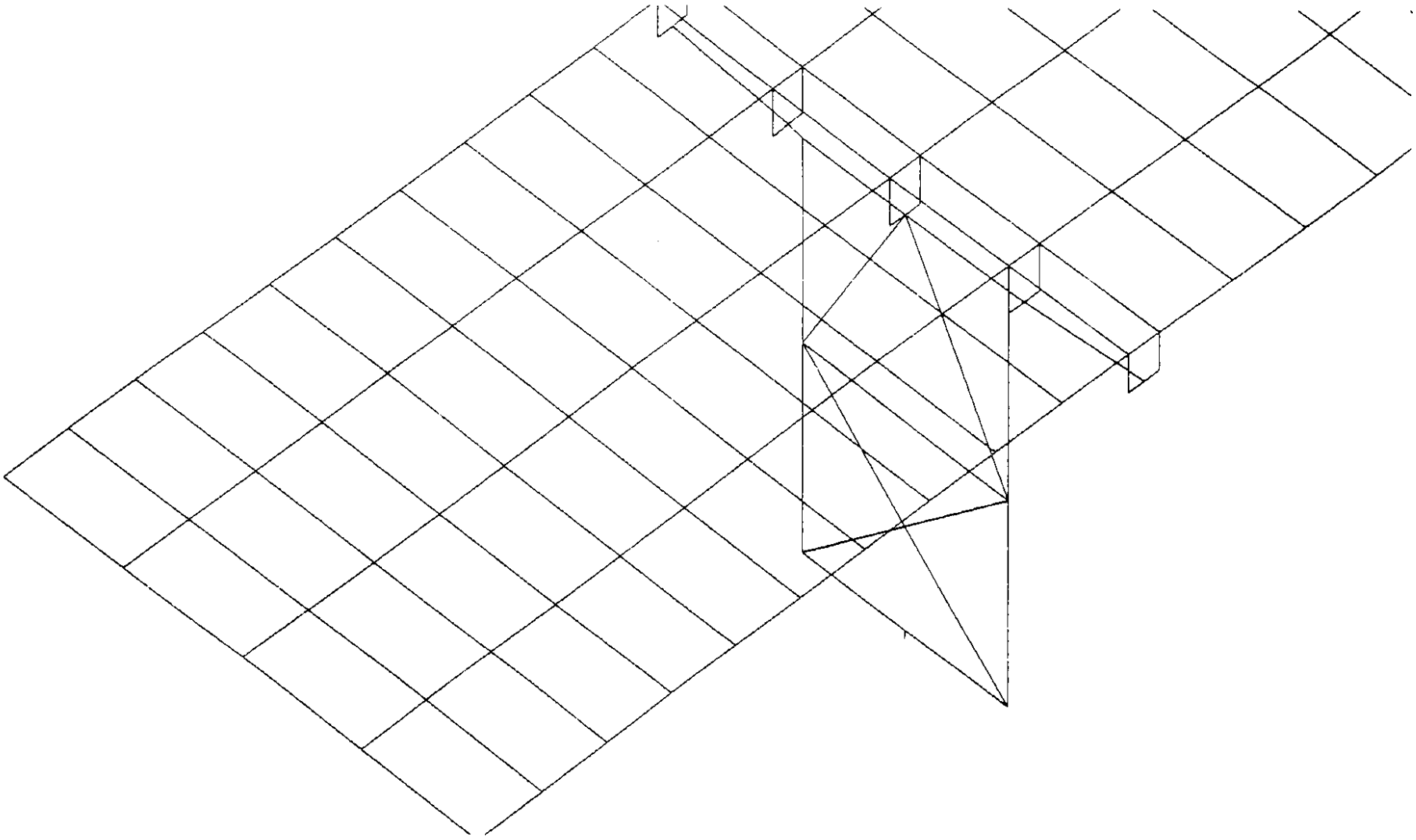
Este modelo permite estimar la armadura necesaria en la losa para el reparto transversal, y determinar los momentos en la vigas debidos a la carga muerta, la sobrecarga repartida y el vehículo pesado.

El cálculo de la viga se lleva a cabo mediante una hoja de cálculo con objeto de tener en cuenta el proceso constructivo (tesado de vigas, hormigonado de losa y actuación del resto de las cargas sobre sección compuesta).

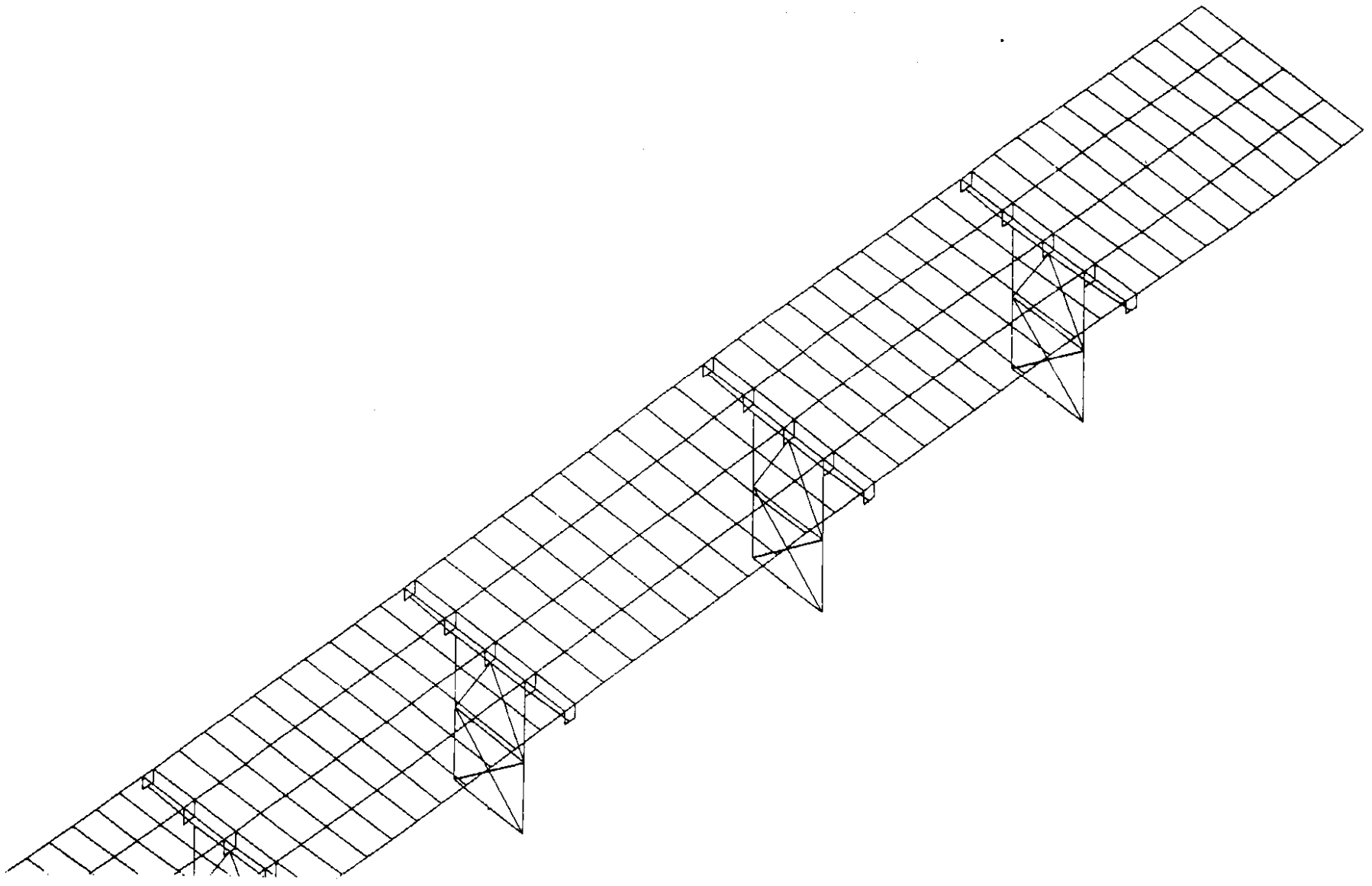
Este modelo permite además evaluar los esfuerzos sobre la pila y los esfuerzos transmitidos a los estribos.

A continuación se incluye la definición de este modelo y de las hipótesis de carga consideradas.

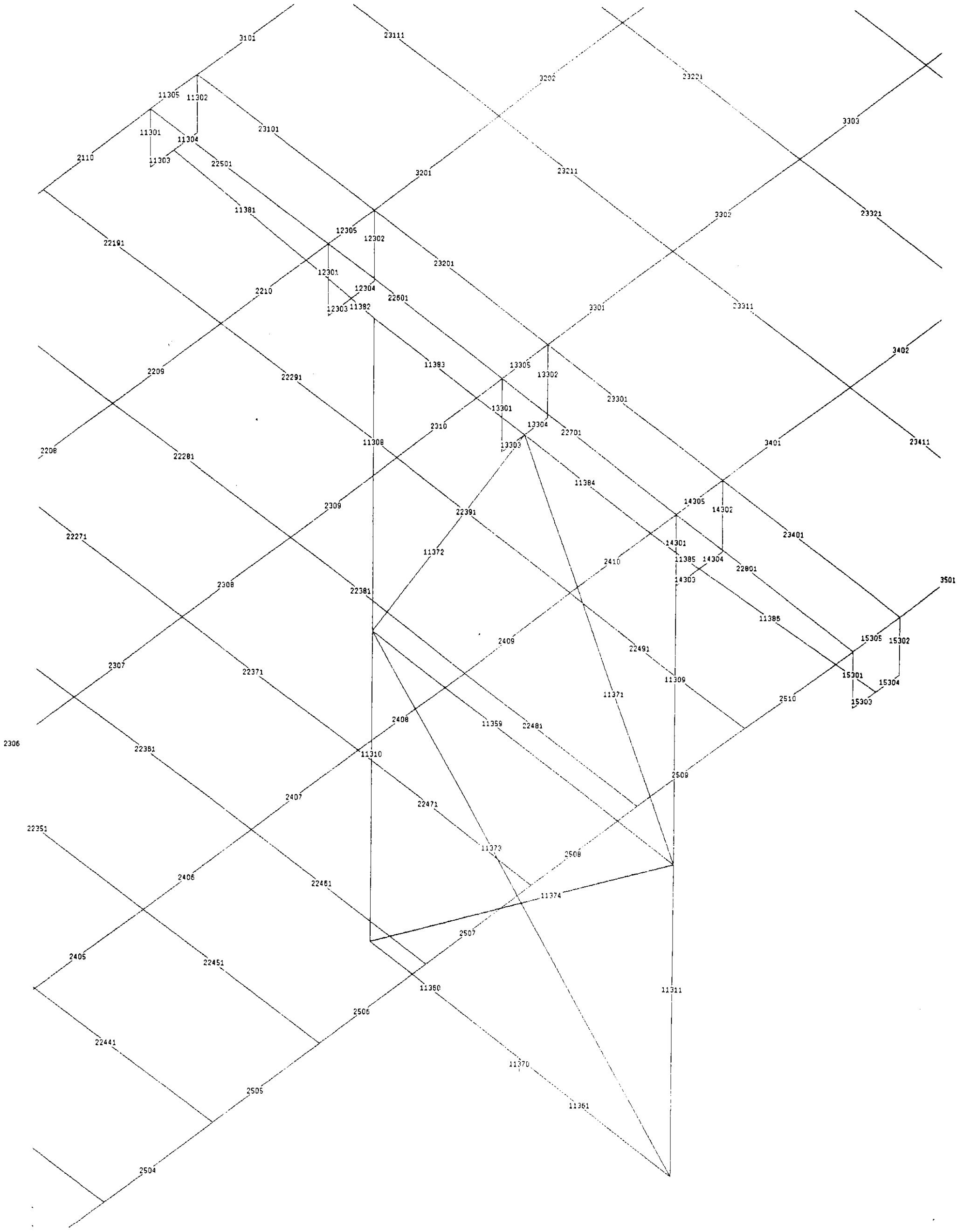
Escala 1 : 79.4 (x: -0.97 .. 19.35 z: -4.84 .. 6.76)
Estructura en vista "STANDARD".0



Escala 1 : 224.4
Estructura en vista "STANDARD".0



Escala 1 : 33.1 (x: 18.20 .. 26.54 z: 4.23 .. 15.66)
Estructura en vista "STANDARD".0



```
.SK 5
.TP 15

*****************************
*     DATOS - ESTRUCTURA    *
*****************************

Titulo proy.:  Paso Superior Camino de San Ant¢n

Unidades     :   M ,KN
.SK 3
.TP 12
D A T O S  D E  N U D O S:( 367 Nudo  )          Apoyo          Especial
.TK 3
```

Nudo	X [M]	Y [M]	Z [M]	V XYZ	R XYZ
1101	0.00000	0.00000	0.00000	SSB	FFF
1102	1.27000	0.00000	0.00000		
1103	2.54000	0.00000	0.00000		
1104	3.81000	0.00000	0.00000		
1105	5.08000	0.00000	0.00000		
1106	6.35000	0.00000	0.00000		
1107	7.62000	0.00000	0.00000		
1108	8.89000	0.00000	0.00000		
1109	10.16000	0.00000	0.00000		
1110	11.43000	0.00000	0.00000		
1111	12.70000	0.00000	0.00000		
1201	0.00000	2.30000	0.00000	SSB	FFF
1202	1.27000	2.30000	0.00000		
1203	2.54000	2.30000	0.00000		
1204	3.81000	2.30000	0.00000		
1205	5.08000	2.30000	0.00000		
1206	6.35000	2.30000	0.00000		
1207	7.62000	2.30000	0.00000		
1208	8.89000	2.30000	0.00000		
1209	10.16000	2.30000	0.00000		
1210	11.43000	2.30000	0.00000		
1211	12.70000	2.30000	0.00000		
1301	0.00000	4.60000	0.00000	SSB	FFF
1302	1.27000	4.60000	0.00000		
1303	2.54000	4.60000	0.00000		
1304	3.81000	4.60000	0.00000		
1305	5.08000	4.60000	0.00000		
1306	6.35000	4.60000	0.00000		
1307	7.62000	4.60000	0.00000		
1308	8.89000	4.60000	0.00000		
1309	10.16000	4.60000	0.00000		
1310	11.43000	4.60000	0.00000		
1311	12.70000	4.60000	0.00000		
1401	0.00000	6.90000	0.00000	SSB	FFF
1402	1.27000	6.90000	0.00000		
1403	2.54000	6.90000	0.00000		
1404	3.81000	6.90000	0.00000		
1405	5.08000	6.90000	0.00000		
1406	6.35000	6.90000	0.00000		
1407	7.62000	6.90000	0.00000		
1408	8.89000	6.90000	0.00000		
1409	10.16000	6.90000	0.00000		
1410	11.43000	6.90000	0.00000		
1411	12.70000	6.90000	0.00000		
1501	0.00000	9.20000	0.00000	SSB	FFF
1502	1.27000	9.20000	0.00000		
1503	2.54000	9.20000	0.00000		
1504	3.81000	9.20000	0.00000		
1505	5.08000	9.20000	0.00000		
1506	6.35000	9.20000	0.00000		
1507	7.62000	9.20000	0.00000		
1508	8.89000	9.20000	0.00000		
1509	10.16000	9.20000	0.00000		
1510	11.43000	9.20000	0.00000		
1511	12.70000	9.20000	0.00000		
2101	13.30000	0.00000	0.00000		
2102	14.69000	0.00000	0.00000		
2103	16.08000	0.00000	0.00000		
2104	17.47000	0.00000	0.00000		
2105	18.86000	0.00000	0.00000		
2106	20.25000	0.00000	0.00000		
2107	21.64000	0.00000	0.00000		
2108	23.03000	0.00000	0.00000		
2109	24.42000	0.00000	0.00000		
2110	25.81000	0.00000	0.00000		
2111	27.20000	0.00000	0.00000		
2201	13.30000	2.30000	0.00000		
2202	14.69000	2.30000	0.00000		
2203	16.08000	2.30000	0.00000		
2204	17.47000	2.30000	0.00000		
2205	18.86000	2.30000	0.00000		
2206	20.25000	2.30000	0.00000		
2207	21.64000	2.30000	0.00000		
2208	23.03000	2.30000	0.00000		
2209	24.42000	2.30000	0.00000		
2210	25.81000	2.30000	0.00000		
2211	27.20000	2.30000	0.00000		
2301	13.30000	4.60000	0.00000		
2302	14.69000	4.60000	0.00000		
2303	16.08000	4.60000	0.00000		
2304	17.47000	4.60000	0.00000		
2305	18.86000	4.60000	0.00000		
2306	20.25000	4.60000	0.00000		
2307	21.64000	4.60000	0.00000		
2308	23.03000	4.60000	0.00000		
2309	24.42000	4.60000	0.00000		
2310	25.81000	4.60000	0.00000		
2311	27.20000	4.60000	0.00000		
2401	13.30000	6.90000	0.00000		
2402	14.69000	6.90000	0.00000		
2403	16.08000	6.90000	0.00000		
2404	17.47000	6.90000	0.00000		
2405	18.86000	6.90000	0.00000		
2406	20.25000	6.90000	0.00000		
2407	21.64000	6.90000	0.00000		
2408	23.03000	6.90000	0.00000		
2409	24.42000	6.90000	0.00000		
2410	25.81000	6.90000	0.00000		
2411	27.20000	6.90000	0.00000		
2501	13.30000	9.20000	0.00000		

2502	14.63000	9.20000	0.00000
2503	16.08000	9.20000	0.00000
2504	17.47000	9.20000	0.00000
2505	18.86000	9.20000	0.00000
2506	20.25000	9.20000	0.00000
2507	21.64000	9.20000	0.00000
2508	23.03000	9.20000	0.00000
2509	24.42000	9.20000	0.00000
2510	25.81000	9.20000	0.00000
2511	27.20000	9.20000	0.00000
3101	27.80000	0.00000	0.00000
3102	29.44000	0.00000	0.00000
3103	31.08000	0.00000	0.00000
3104	32.72000	0.00000	0.00000
3105	34.36000	0.00000	0.00000
3106	36.00000	0.00000	0.00000
3107	37.64000	0.00000	0.00000
3108	39.27999	0.00000	0.00000
3109	40.91999	0.00000	0.00000
3110	42.55999	0.00000	0.00000
3111	44.19999	0.00000	0.00000
3201	27.80000	2.30000	0.00000
3202	29.44000	2.30000	0.00000
3203	31.08000	2.30000	0.00000
3204	32.72000	2.30000	0.00000
3205	34.36000	2.30000	0.00000
3206	36.00000	2.30000	0.00000
3207	37.64000	2.30000	0.00000
3208	39.27999	2.30000	0.00000
3209	40.91999	2.30000	0.00000
3210	42.55999	2.30000	0.00000
3211	44.19999	2.30000	0.00000
3301	27.80000	4.60000	0.00000
3302	29.44000	4.60000	0.00000
3303	31.08000	4.60000	0.00000
3304	32.72000	4.60000	0.00000
3305	34.36000	4.60000	0.00000
3306	36.00000	4.60000	0.00000
3307	37.64000	4.60000	0.00000
3308	39.27999	4.60000	0.00000
3309	40.91999	4.60000	0.00000
3310	42.55999	4.60000	0.00000
3311	44.19999	4.60000	0.00000
3401	27.80000	6.90000	0.00000
3402	29.44000	6.90000	0.00000
3403	31.08000	6.90000	0.00000
3404	32.72000	6.90000	0.00000
3405	34.36000	6.90000	0.00000
3406	36.00000	6.90000	0.00000
3407	37.64000	6.90000	0.00000
3408	39.27999	6.90000	0.00000
3409	40.91999	6.90000	0.00000
3410	42.55999	6.90000	0.00000
3411	44.19999	6.90000	0.00000
3501	27.80000	9.20000	0.00000
3502	29.44000	9.20000	0.00000
3503	31.08000	9.20000	0.00000
3504	32.72000	9.20000	0.00000
3505	34.36000	9.20000	0.00000
3506	36.00000	9.20000	0.00000
3507	37.64000	9.20000	0.00000
3508	39.27999	9.20000	0.00000
3509	40.91999	9.20000	0.00000
3510	42.55999	9.20000	0.00000
3511	44.19999	9.20000	0.00000
4101	44.80000	0.00000	0.00000
4102	46.19000	0.00000	0.00000
4103	47.58000	0.00000	0.00000
4104	48.97000	0.00000	0.00000
4105	50.36000	0.00000	0.00000
4106	51.75000	0.00000	0.00000
4107	53.14000	0.00000	0.00000
4108	54.52999	0.00000	0.00000
4109	55.91999	0.00000	0.00000
4110	57.30999	0.00000	0.00000
4111	58.69999	0.00000	0.00000
4201	44.80000	2.30000	0.00000
4202	46.19000	2.30000	0.00000
4203	47.58000	2.30000	0.00000
4204	48.97000	2.30000	0.00000
4205	50.36000	2.30000	0.00000
4206	51.75000	2.30000	0.00000
4207	53.14000	2.30000	0.00000
4208	54.52999	2.30000	0.00000
4209	55.91999	2.30000	0.00000
4210	57.30999	2.30000	0.00000
4211	58.69999	2.30000	0.00000
4301	44.80000	4.60000	0.00000
4302	46.19000	4.60000	0.00000
4303	47.58000	4.60000	0.00000
4304	48.97000	4.60000	0.00000
4305	50.36000	4.60000	0.00000
4306	51.75000	4.60000	0.00000
4307	53.14000	4.60000	0.00000
4308	54.52999	4.60000	0.00000
4309	55.91999	4.60000	0.00000
4310	57.30999	4.60000	0.00000
4311	58.69999	4.60000	0.00000
4401	44.80000	6.90000	0.00000
4402	46.19000	6.90000	0.00000
4403	47.58000	6.90000	0.00000
4404	48.97000	6.90000	0.00000
4405	50.36000	6.90000	0.00000
4406	51.75000	6.90000	0.00000
4407	53.14000	6.90000	0.00000
4408	54.52999	6.90000	0.00000
4409	55.91999	6.90000	0.00000
4410	57.30999	6.90000	0.00000
4411	58.69999	6.90000	0.00000
4501	44.80000	9.20000	0.00000
4502	46.19000	9.20000	0.00000
4503	47.58000	9.20000	0.00000
4504	48.97000	9.20000	0.00000
4505	50.36000	9.20000	0.00000
4506	51.75000	9.20000	0.00000
4507	53.14000	9.20000	0.00000
4508	54.52999	9.20000	0.00000
4509	55.91999	9.20000	0.00000

4510	57.30999	9.20000	0.00000		
4511	58.69999	9.20000	0.00000		
5101	59.30000	0.00000	0.00000		
5102	60.57000	0.00000	0.00000		
5103	61.84000	0.00000	0.00000		
5104	63.11000	0.00000	0.00000		
5105	64.38000	0.00000	0.00000		
5106	65.64999	0.00000	0.00000		
5107	66.91999	0.00000	0.00000		
5108	68.18999	0.00000	0.00000		
5109	69.45998	0.00000	0.00000		
5110	70.72998	0.00000	0.00000		
5111	71.99998	0.00000	0.00000	SSB	FFF
5201	59.30000	2.30000	0.00000		
5202	60.57000	2.30000	0.00000		
5203	61.84000	2.30000	0.00000		
5204	63.11000	2.30000	0.00000		
5205	64.38000	2.30000	0.00000		
5206	65.64999	2.30000	0.00000		
5207	66.91999	2.30000	0.00000		
5208	68.18999	2.30000	0.00000		
5209	69.45998	2.30000	0.00000		
5210	70.72998	2.30000	0.00000		
5211	71.99998	2.30000	0.00000	SSB	FFF
5301	59.30000	4.60000	0.00000		
5302	60.57000	4.60000	0.00000		
5303	61.84000	4.60000	0.00000		
5304	63.11000	4.60000	0.00000		
5305	64.38000	4.60000	0.00000		
5306	65.64999	4.60000	0.00000		
5307	66.91999	4.60000	0.00000		
5308	68.18999	4.60000	0.00000		
5309	69.45998	4.60000	0.00000		
5310	70.72998	4.60000	0.00000		
5311	71.99998	4.60000	0.00000	SSB	FFF
5401	59.30000	6.90000	0.00000		
5402	60.57000	6.90000	0.00000		
5403	61.84000	6.90000	0.00000		
5404	63.11000	6.90000	0.00000		
5405	64.38000	6.90000	0.00000		
5406	65.64999	6.90000	0.00000		
5407	66.91999	6.90000	0.00000		
5408	68.18999	6.90000	0.00000		
5409	69.45998	6.90000	0.00000		
5410	70.72998	6.90000	0.00000		
5411	71.99998	6.90000	0.00000	SSB	FFF
5501	59.30000	9.20000	0.00000		
5502	60.57000	9.20000	0.00000		
5503	61.84000	9.20000	0.00000		
5504	63.11000	9.20000	0.00000		
5505	64.38000	9.20000	0.00000		
5506	65.64999	9.20000	0.00000		
5507	66.91999	9.20000	0.00000		
5508	68.18999	9.20000	0.00000		
5509	69.45998	9.20000	0.00000		
5510	70.72998	9.20000	0.00000		
5511	71.99998	9.20000	0.00000	SSB	FFF
11001	12.70000	0.00000	-0.82500		
11002	13.30000	0.00000	-0.82500		
11101	13.00000	0.00000	-0.82500		
11102	13.00000	2.30000	-1.03600		
11103	13.00000	2.60000	-1.05900		
11104	13.00000	4.60000	-1.05900		
11105	13.00000	6.60000	-1.05900		
11106	13.00000	6.90000	-1.03600		
11107	13.00000	9.20000	-0.82500		
11108	13.00000	2.60000	-5.55900		
11109	13.00000	6.60000	-5.55900		
11110	13.00000	2.60000	-10.05900		
11111	13.00000	6.60000	-10.05900		
11112	13.00000	4.60000	-10.05900		
11113	13.00000	4.60000	-10.25900	BBB	BBB
11201	27.20000	0.00000	-0.82500		
11202	27.80000	0.00000	-0.82500		
11301	27.50000	0.00000	-0.82500		
11302	27.50000	2.30000	-1.03600		
11303	27.50000	2.60000	-1.05900		
11304	27.50000	4.60000	-1.05900		
11305	27.50000	6.60000	-1.05900		
11306	27.50000	6.90000	-1.03600		
11307	27.50000	9.20000	-0.82500		
11308	27.50000	2.60000	-5.55900		
11309	27.50000	6.60000	-5.55900		
11310	27.50000	2.60000	-10.05900		
11311	27.50000	6.60000	-10.05900		
11312	27.50000	4.60000	-10.05900		
11313	27.50000	4.60000	-10.25900	BBB	BBB
11401	44.20000	0.00000	-0.82500		
11402	44.80000	0.00000	-0.82500		
11501	44.50000	0.00000	-0.82500		
11502	44.50000	2.30000	-1.03600		
11503	44.50000	2.60000	-1.05900		
11504	44.50000	4.60000	-1.05900		
11505	44.50000	6.60000	-1.05900		
11506	44.50000	6.90000	-1.03600		
11507	44.50000	9.20000	-0.82500		
11508	44.50000	2.60000	-5.55900		
11509	44.50000	6.60000	-5.55900		
11510	44.50000	2.60000	-10.05900		
11511	44.50000	6.60000	-10.05900		
11512	44.50000	4.60000	-10.05900		
11513	44.50000	4.60000	-10.25900	BBB	BBB
11601	58.70000	0.00000	-0.82500		
11602	59.30000	0.00000	-0.82500		
11701	59.00000	0.00000	-0.82500		
11702	59.00000	2.30000	-1.03600		
11703	59.00000	2.60000	-1.05900		
11704	59.00000	4.60000	-1.05900		
11705	59.00000	6.60000	-1.05900		
11706	59.00000	6.90000	-1.03600		
11707	59.00000	9.20000	-0.82500		
11708	59.00000	2.60000	-5.55900		
11709	59.00000	6.60000	-5.55900		
11710	59.00000	2.60000	-10.05900		
11711	59.00000	6.60000	-10.05900		
11712	59.00000	4.60000	-10.05900		
11713	59.00000	4.60000	-10.25900	BBB	BBB

```
12001    12.70000     2.30000    -1.03600
12002    13.30000     2.30000    -1.03600
12201    27.20000     2.30000    -1.03600
12202    27.80000     2.30000    -1.03600
12401    44.20000     2.30000    -1.03600
12402    44.80000     2.30000    -1.03600
12601    58.70000     2.30000    -1.03600
12602    59.30000     2.30000    -1.03600
13001    12.70000     4.60000    -1.05900
13002    13.30000     4.60000    -1.05900
13201    27.20000     4.60000    -1.05900
13202    27.80000     4.60000    -1.05900
13401    44.20000     4.60000    -1.05900
13402    44.80000     4.60000    -1.05900
13601    58.70000     4.60000    -1.05900
13602    59.30000     4.60000    -1.05900
14001    12.70000     6.90000    -1.03600
14002    13.30000     6.90000    -1.03600
14201    27.20000     6.90000    -1.03600
14202    27.80000     6.90000    -1.03600
14401    44.20000     6.90000    -1.03600
14402    44.80000     6.90000    -1.03600
14601    58.70000     6.90000    -1.03600
14602    59.30000     6.90000    -1.03600
15001    12.70000     9.20000    -0.82500
15002    13.30000     9.20000    -0.82500
15201    27.20000     9.20000    -0.82500
15202    27.80000     9.20000    -0.82500
15401    44.20000     9.20000    -0.82500
15402    44.80000     9.20000    -0.82500
15601    58.70000     9.20000    -0.82500
15602    59.30000     9.20000    -0.82500
.TK 0
.SK 3
.TP 12
NUDOS CON APOYO ELASTICO:      ("B"=Bloqueado "F"=Libre)
.TK 3
Nudo          D-X          D-Y          D-Z          R-X          R-Y          R-Z
            [KN/M]       [KN/M]       [KN/M]  [KNM/ARC]    [KNM/ARC]    [KNM/ARC]
-------------------------------------------------------------------------------
  1101  1.000E+03    1.000E+03            B            F            F            F
  1201  1.000E+03    1.000E+03            B            F            F            F
  1301  1.000E+03    1.000E+03            B            F            F            F
  1401  1.000E+03    1.000E+03            B            F            F            F
  1501  1.000E+03    1.000E+03            B            F            F            F
  5111  1.000E+03    1.000E+03            B            F            F            F
  5211  1.000E+03    1.000E+03            B            F            F            F
  5311  1.000E+03    1.000E+03            B            F            F            F
  5411  1.000E+03    1.000E+03            B            F            F            F
  5511  1.000E+03    1.000E+03            B            F            F            F
.TK 0
.SK 4
.TP 8
D A T O S   B A R R A S :      ( 642 Barras)
.TK 3
      Incidencias  Long.Barras  Nombre-sec.       Articulaciones Especial
 Barra Inicio Fin         [ M]  (Cant.var)        Inicio Fin
-------------------------------------------------------------------------------
 1101   1101  1102     1.27000  %Q0003
```

```
1102   1102  1103     1.27000  %Q0003
1103   1103  1104     1.27000  %Q0003
1104   1104  1105     1.27000  %Q0003
1105   1105  1106     1.27000  %Q0003
1106   1106  1107     1.27000  %Q0003
1107   1107  1108     1.27000  %Q0003
1108   1108  1109     1.27000  %Q0003
1109   1109  1110     1.27000  %Q0003
1110   1110  1111     1.27000  %Q0003
1201   1201  1202     1.27000  %Q0002
1202   1202  1203     1.27000  %Q0002
1203   1203  1204     1.27000  %Q0002
1204   1204  1205     1.27000  %Q0002
1205   1205  1206     1.27000  %Q0002
1206   1206  1207     1.27000  %Q0002
1207   1207  1208     1.27000  %Q0002
1208   1208  1209     1.27000  %Q0002
1209   1209  1210     1.27000  %Q0002
1210   1210  1211     1.27000  %Q0002
1301   1301  1302     1.27000  %Q0002
1302   1302  1303     1.27000  %Q0002
1303   1303  1304     1.27000  %Q0002
1304   1304  1305     1.27000  %Q0002
1305   1305  1306     1.27000  %Q0002
1306   1306  1307     1.27000  %Q0002
1307   1307  1308     1.27000  %Q0002
1308   1308  1309     1.27000  %Q0002
1309   1309  1310     1.27000  %Q0002
1310   1310  1311     1.27000  %Q0002
1401   1401  1402     1.27000  %Q0002
1402   1402  1403     1.27000  %Q0002
1403   1403  1404     1.27000  %Q0002
1404   1404  1405     1.27000  %Q0002
1405   1405  1406     1.27000  %Q0002
1406   1406  1407     1.27000  %Q0002
1407   1407  1408     1.27000  %Q0002
1408   1408  1409     1.27000  %Q0002
1409   1409  1410     1.27000  %Q0002
1410   1410  1411     1.27000  %Q0002
1501   1501  1502     1.27000  %Q0003
1502   1502  1503     1.27000  %Q0003
1503   1503  1504     1.27000  %Q0003
1504   1504  1505     1.27000  %Q0003
1505   1505  1506     1.27000  %Q0003
1506   1506  1507     1.27000  %Q0003
1507   1507  1508     1.27000  %Q0003
1508   1508  1509     1.27000  %Q0003
1509   1509  1510     1.27000  %Q0003
1510   1510  1511     1.27000  %Q0003
2101   2101  2102     1.39000  %Q0003
2102   2102  2103     1.39000  %Q0003
2103   2103  2104     1.39000  %Q0003
2104   2104  2105     1.39000  %Q0003
2105   2105  2106     1.39000  %Q0003
2106   2106  2107     1.39000  %Q0003
2107   2107  2108     1.39000  %Q0003
2108   2108  2109     1.39000  %Q0003
2109   2109  2110     1.39000  %Q0003
2110   2110  2111     1.39000  %Q0003
```

2201	2201	2202	1.39000	%Q0002
2202	2202	2203	1.39000	%Q0002
2203	2203	2204	1.39000	%Q0002
2204	2204	2205	1.39000	%Q0002
2205	2205	2206	1.39000	%Q0002
2206	2206	2207	1.39000	%Q0002
2207	2207	2208	1.39000	%Q0002
2208	2208	2209	1.39000	%Q0002
2209	2209	2210	1.39000	%Q0002
2210	2210	2211	1.39000	%Q0002
2301	2301	2302	1.39000	%Q0002
2302	2302	2303	1.39000	%Q0002
2303	2303	2304	1.39000	%Q0002
2304	2304	2305	1.39000	%Q0002
2305	2305	2306	1.39000	%Q0002
2306	2306	2307	1.39000	%Q0002
2307	2307	2308	1.39000	%Q0002
2308	2308	2309	1.39000	%Q0002
2309	2309	2310	1.39000	%Q0002
2310	2310	2311	1.39000	%Q0002
2401	2401	2402	1.39000	%Q0002
2402	2402	2403	1.39000	%Q0002
2403	2403	2404	1.39000	%Q0002
2404	2404	2405	1.39000	%Q0002
2405	2405	2406	1.39000	%Q0002
2406	2406	2407	1.39000	%Q0002
2407	2407	2408	1.39000	%Q0002
2408	2408	2409	1.39000	%Q0002
2409	2409	2410	1.39000	%Q0002
2410	2410	2411	1.39000	%Q0002
2501	2501	2502	1.39000	%Q0003
2502	2502	2503	1.39000	%Q0003
2503	2503	2504	1.39000	%Q0003
2504	2504	2505	1.39000	%Q0003
2505	2505	2506	1.39000	%Q0003
2506	2506	2507	1.39000	%Q0003
2507	2507	2508	1.39000	%Q0003
2508	2508	2509	1.39000	%Q0003
2509	2509	2510	1.39000	%Q0003
2510	2510	2511	1.39000	%Q0003
3101	3101	3102	1.64000	%Q0003
3102	3102	3103	1.64000	%Q0003
3103	3103	3104	1.64000	%Q0003
3104	3104	3105	1.64000	%Q0003
3105	3105	3106	1.64000	%Q0003
3106	3106	3107	1.64000	%Q0003
3107	3107	3108	1.64000	%Q0003
3108	3108	3109	1.64000	%Q0003
3109	3109	3110	1.64000	%Q0003
3110	3110	3111	1.64000	%Q0003
3201	3201	3202	1.64000	%Q0002
3202	3202	3203	1.64000	%Q0002
3203	3203	3204	1.64000	%Q0002
3204	3204	3205	1.64000	%Q0002
3205	3205	3206	1.64000	%Q0002
3206	3206	3207	1.64000	%Q0002
3207	3207	3208	1.64000	%Q0002
3208	3208	3209	1.64000	%Q0002
3209	3209	3210	1.64000	%Q0002
3210	3210	3211	1.64000	%Q0002
3301	3301	3302	1.64000	%Q0002
3302	3302	3303	1.64000	%Q0002
3303	3303	3304	1.64000	%Q0002
3304	3304	3305	1.64000	%Q0002
3305	3305	3306	1.64000	%Q0002
3306	3306	3307	1.64000	%Q0002
3307	3307	3308	1.64000	%Q0002
3308	3308	3309	1.64000	%Q0002
3309	3309	3310	1.64000	%Q0002
3310	3310	3311	1.64000	%Q0002
3401	3401	3402	1.64000	%Q0002
3402	3402	3403	1.64000	%Q0002
3403	3403	3404	1.64000	%Q0002
3404	3404	3405	1.64000	%Q0002
3405	3405	3406	1.64000	%Q0002
3406	3406	3407	1.64000	%Q0002
3407	3407	3408	1.64000	%Q0002
3408	3408	3409	1.64000	%Q0002
3409	3409	3410	1.64000	%Q0002
3410	3410	3411	1.64000	%Q0002
3501	3501	3502	1.64000	%Q0003
3502	3502	3503	1.64000	%Q0003
3503	3503	3504	1.64000	%Q0003
3504	3504	3505	1.64000	%Q0003
3505	3505	3506	1.64000	%Q0003
3506	3506	3507	1.64000	%Q0003
3507	3507	3508	1.64000	%Q0003
3508	3508	3509	1.64000	%Q0003
3509	3509	3510	1.64000	%Q0003
3510	3510	3511	1.64000	%Q0003
4101	4101	4102	1.39000	%Q0003
4102	4102	4103	1.39000	%Q0003
4103	4103	4104	1.39000	%Q0003
4104	4104	4105	1.39000	%Q0003
4105	4105	4106	1.39000	%Q0003
4106	4106	4107	1.39000	%Q0003
4107	4107	4108	1.39000	%Q0003
4108	4108	4109	1.39000	%Q0003
4109	4109	4110	1.39000	%Q0003
4110	4110	4111	1.39000	%Q0003
4201	4201	4202	1.39000	%Q0002
4202	4202	4203	1.39000	%Q0002
4203	4203	4204	1.39000	%Q0002
4204	4204	4205	1.39000	%Q0002
4205	4205	4206	1.39000	%Q0002
4206	4206	4207	1.39000	%Q0002
4207	4207	4208	1.39000	%Q0002
4208	4208	4209	1.39000	%Q0002
4209	4209	4210	1.39000	%Q0002
4210	4210	4211	1.39000	%Q0002
4301	4301	4302	1.39000	%Q0002
4302	4302	4303	1.39000	%Q0002
4303	4303	4304	1.39000	%Q0002
4304	4304	4305	1.39000	%Q0002
4305	4305	4306	1.39000	%Q0002
4306	4306	4307	1.39000	%Q0002
4307	4307	4308	1.39000	%Q0002
4308	4308	4309	1.39000	%Q0002

```
4309   4309  4310      1.39000  %Q0002
4310   4310  4311      1.39000  %Q0002
4401   4401  4402      1.39000  %Q0002
4402   4402  4403      1.39000  %Q0002
4403   4403  4404      1.39000  %Q0002
4404   4404  4405      1.39000  %Q0002
4405   4405  4406      1.39000  %Q0002
4406   4406  4407      1.39000  %Q0002
4407   4407  4408      1.39000  %Q0002
4408   4408  4409      1.39000  %Q0002
4409   4409  4410      1.39000  %Q0002
4410   4410  4411      1.39000  %Q0002
4501   4501  4502      1.39000  %Q0003
4502   4502  4503      1.39000  %Q0003
4503   4503  4504      1.39000  %Q0003
4504   4504  4505      1.39000  %Q0003
4505   4505  4506      1.39000  %Q0003
4506   4506  4507      1.39000  %Q0003
4507   4507  4508      1.39000  %Q0003
4508   4508  4509      1.39000  %Q0003
4509   4509  4510      1.39000  %Q0003
4510   4510  4511      1.39000  %Q0003
5101   5101  5102      1.27000  %Q0003
5102   5102  5103      1.27000  %Q0003
5103   5103  5104      1.27000  %Q0003
5104   5104  5105      1.27000  %Q0003
5105   5105  5106      1.27000  %Q0003
5106   5106  5107      1.27000  %Q0003
5107   5107  5108      1.27000  %Q0003
5108   5108  5109      1.27000  %Q0003
5109   5109  5110      1.27000  %Q0003
5110   5110  5111      1.27000  %Q0003
5201   5201  5202      1.27000  %Q0002
5202   5202  5203      1.27000  %Q0002
5203   5203  5204      1.27000  %Q0002
5204   5204  5205      1.27000  %Q0002
5205   5205  5206      1.27000  %Q0002
5206   5206  5207      1.27000  %Q0002
5207   5207  5208      1.27000  %Q0002
5208   5208  5209      1.27000  %Q0002
5209   5209  5210      1.27000  %Q0002
5210   5210  5211      1.27000  %Q0002
5301   5301  5302      1.27000  %Q0002
5302   5302  5303      1.27000  %Q0002
5303   5303  5304      1.27000  %Q0002
5304   5304  5305      1.27000  %Q0002
5305   5305  5306      1.27000  %Q0002
5306   5306  5307      1.27000  %Q0002
5307   5307  5308      1.27000  %Q0002
5308   5308  5309      1.27000  %Q0002
5309   5309  5310      1.27000  %Q0002
5310   5310  5311      1.27000  %Q0002
5401   5401  5402      1.27000  %Q0002
5402   5402  5403      1.27000  %Q0002
5403   5403  5404      1.27000  %Q0002
5404   5404  5405      1.27000  %Q0002
5405   5405  5406      1.27000  %Q0002
5406   5406  5407      1.27000  %Q0002
5407   5407  5408      1.27000  %Q0002
5408   5408  5409      1.27000  %Q0002
5409   5409  5410      1.27000  %Q0002
5410   5410  5411      1.27000  %Q0002
5501   5501  5502      1.27000  %Q0003
5502   5502  5503      1.27000  %Q0003
5503   5503  5504      1.27000  %Q0003
5504   5504  5505      1.27000  %Q0003
5505   5505  5506      1.27000  %Q0003
5506   5506  5507      1.27000  %Q0003
5507   5507  5508      1.27000  %Q0003
5508   5508  5509      1.27000  %Q0003
5509   5509  5510      1.27000  %Q0003
5510   5510  5511      1.27000  %Q0003
11201* 1111  11001     0.82500  %Q0001
11202* 2101  11002     0.82500  %Q0001
11203  11001 11101     0.30000  %Q0001          SS--*- ------
11204  11002 11101     0.30000  %Q0001          SS--*- ------
11205   1111  2101     0.60000  %Q0001          ----*- ----*-
11208* 11103 11108     4.50000  %Q0001
11209* 11105 11109     4.50000  %Q0001
11210* 11108 11110     4.50000  %Q0001
11211* 11109 11111     4.50000  %Q0001
11259  11108 11109     4.00000  %Q0001
11260  11110 11112     2.00000  %Q0001
11261  11112 11111     2.00000  %Q0001
11270* 11112 11113     0.20000  %Q0007
11271  11109 11104     4.92443  %Q0001
11272  11108 11104     4.92443  %Q0001
11273  11108 11111     6.02080  %Q0001
11274  11109 11110     6.02080  %Q0001
11281  11101 11102     2.30966  Canto variable
11282  11102 11103     0.30088  DINTEL_F
11283  11103 11104     2.00000  DINTEL_F
11284  11104 11105     2.00000  DINTEL_F
11285  11105 11106     0.30088  DINTEL_F
11286  11106 11107     2.30966  Canto variable
11301* 2111  11201     0.82500  %Q0001
11302* 3101  11202     0.82500  %Q0001
11303  11201 11301     0.30000  %Q0001          SS--*- ------
11304  11202 11301     0.30000  %Q0001          SS--*- ------
11305   2111  3101     0.60000  %Q0001          ----*- ----*-
11308* 11303 11308     4.50000  %Q0001
11309* 11305 11309     4.50000  %Q0001
11310* 11308 11310     4.50000  %Q0001
11311* 11309 11311     4.50000  %Q0001
11359  11308 11309     4.00000  %Q0001
11360  11310 11312     2.00000  %Q0001
11361  11312 11311     2.00000  %Q0001
11370* 11312 11313     0.20000  %Q0007
11371  11309 11304     4.92443  %Q0001
11372  11308 11304     4.92443  %Q0001
11373  11308 11311     6.02080  %Q0001
11374  11309 11310     6.02080  %Q0001
11381  11301 11302     2.30966  Canto variable
11382  11302 11303     0.30088  DINTEL_F
11383  11303 11304     2.00000  DINTEL_F
11384  11304 11305     2.00000  DINTEL_F
11385  11305 11306     0.30088  DINTEL_F
11386  11306 11307     2.30966  Canto variable
```

11401*	3111	11401	0.82500	%Q0001	
11402*	4101	11402	0.82500	%Q0001	
11403	11401	11501	0.30000	%Q0001	SS--*- ------
11404	11402	11501	0.30000	%Q0001	SS--*- ------
11405	3111	4101	0.60001	%Q0001	----*- ----*-
11408*	11503	11508	4.50000	%Q0001	
11409*	11505	11509	4.50000	%Q0001	
11410*	11508	11510	4.50000	%Q0001	
11411*	11509	11511	4.50000	%Q0001	
11459	11508	11509	4.00000	%Q0001	
11460	11510	11512	2.00000	%Q0001	
11461	11512	11511	2.00000	%Q0001	
11470*	11512	11513	0.20000	%Q0007	
11471	11509	11504	4.92443	%Q0001	
11472	11508	11504	4.92443	%Q0001	
11473	11508	11511	6.02080	%Q0001	
11474	11509	11510	6.02080	%Q0001	
11481	11501	11502	2.30966	Canto variable	
11482	11502	11503	0.30088	DINTEL_F	
11483	11503	11504	2.00000	DINTEL_F	
11484	11504	11505	2.00000	DINTEL_F	
11485	11505	11506	0.30088	DINTEL_F	
11486	11506	11507	2.30966	Canto variable	
11501*	4111	11601	0.82500	%Q0001	
11502*	5101	11602	0.82500	%Q0001	
11503	11601	11701	0.30000	%Q0001	SS--*- ------
11504	11602	11701	0.30000	%Q0001	SS--*- ------
11505	4111	5101	0.60001	%Q0001	----*- ----*-
11508*	11703	11708	4.50000	%Q0001	
11509*	11705	11709	4.50000	%Q0001	
11510*	11708	11710	4.50000	%Q0001	
11511*	11709	11711	4.50000	%Q0001	
11559	11708	11709	4.00000	%Q0001	
11560	11710	11712	2.00000	%Q0001	
11561	11712	11711	2.00000	%Q0001	
11570*	11712	11713	0.20000	%Q0007	
11571	11709	11704	4.92443	%Q0001	
11572	11708	11704	4.92443	%Q0001	
11573	11708	11711	6.02080	%Q0001	
11574	11709	11710	6.02080	%Q0001	
11581	11701	11702	2.30966	Canto variable	
11582	11702	11703	0.30088	DINTEL_F	
11583	11703	11704	2.00000	DINTEL_F	
11584	11704	11705	2.00000	DINTEL_F	
11585	11705	11706	0.30088	DINTEL_F	
11586	11706	11707	2.30966	Canto variable	
12201*	1211	12001	1.03600	%Q0001	
12202*	2201	12002	1.03600	%Q0001	
12203	12001	11102	0.30000	%Q0001	SS--*- ------
12204	12002	11102	0.30000	%Q0001	SS--*- ------
12205	1211	2201	0.60000	%Q0001	----*- ----*-
12301*	2211	12201	1.03600	%Q0001	
12302*	3201	12202	1.03600	%Q0001	
12303	12201	11302	0.30000	%Q0001	SS--*- ------
12304	12202	11302	0.30000	%Q0001	SS--*- ------
12305	2211	3201	0.60000	%Q0001	----*- ----*-
12401*	3211	12401	1.03600	%Q0001	
12402*	4201	12402	1.03600	%Q0001	
12403	12401	11502	0.30000	%Q0001	SS--*- ------
12404	12402	11502	0.30000	%Q0001	SS--*- ------
12405	3211	4201	0.60001	%Q0001	----*- ----*-
12501*	4211	12601	1.03600	%Q0001	
12502*	5201	12602	1.03600	%Q0001	
12503	12601	11702	0.30000	%Q0001	SS--*- ------
12504	12602	11702	0.30000	%Q0001	SS--*- ------
12505	4211	5201	0.60001	%Q0001	----*- ----*-
13201*	1311	13001	1.05900	%Q0001	
13202*	2301	13002	1.05900	%Q0001	
13203	13001	11104	0.30000	%Q0001	SS--*- ------
13204	13002	11104	0.30000	%Q0001	SS--*- ------
13205	1311	2301	0.60000	%Q0001	----*- ----*-
13301*	2311	13201	1.05900	%Q0001	
13302*	3301	13202	1.05900	%Q0001	
13303	13201	11304	0.30000	%Q0001	SS--*- ------
13304	13202	11304	0.30000	%Q0001	SS--*- ------
13305	2311	3301	0.60000	%Q0001	----*- ----*-
13401*	3311	13401	1.05900	%Q0001	
13402*	4301	13402	1.05900	%Q0001	
13403	13401	11504	0.30000	%Q0001	SS--*- ------
13404	13402	11504	0.30000	%Q0001	SS--*- ------
13405	3311	4301	0.60001	%Q0001	----*- ----*-
13501*	4311	13601	1.05900	%Q0001	
13502*	5301	13602	1.05900	%Q0001	
13503	13601	11704	0.30000	%Q0001	SS--*- ------
13504	13602	11704	0.30000	%Q0001	SS--*- ------
13505	4311	5301	0.60001	%Q0001	----*- ----*-
14201*	1411	14001	1.03600	%Q0001	
14202*	2401	14002	1.03600	%Q0001	
14203	14001	11106	0.30000	%Q0001	SS--*- ------
14204	14002	11106	0.30000	%Q0001	SS--*- ------
14205	1411	2401	0.60000	%Q0001	----*- ----*-
14301*	2411	14201	1.03600	%Q0001	
14302*	3401	14202	1.03600	%Q0001	
14303	14201	11306	0.30000	%Q0001	SS--*- ------
14304	14202	11306	0.30000	%Q0001	SS--*- ------
14305	2411	3401	0.60000	%Q0001	----*- ----*-
14401*	3411	14401	1.03600	%Q0001	
14402*	4401	14402	1.03600	%Q0001	
14403	14401	11506	0.30000	%Q0001	SS--*- ------
14404	14402	11506	0.30000	%Q0001	SS--*- ------
14405	3411	4401	0.60001	%Q0001	----*- ----*-
14501*	4411	14601	1.03600	%Q0001	
14502*	5401	14602	1.03600	%Q0001	
14503	14601	11706	0.30000	%Q0001	SS--*- ------
14504	14602	11706	0.30000	%Q0001	SS--*- ------
14505	4411	5401	0.60001	%Q0001	----*- ----*-
15201*	1511	15001	0.82500	%Q0001	
15202*	2501	15002	0.82500	%Q0001	
15203	15001	11107	0.30000	%Q0001	SS--*- ------
15204	15002	11107	0.30000	%Q0001	SS--*- ------
15205	1511	2501	0.60000	%Q0001	----*- ----*-
15301*	2511	15201	0.82500	%Q0001	
15302*	3501	15202	0.82500	%Q0001	
15303	15201	11307	0.30000	%Q0001	SS--*- ------
15304	15202	11307	0.30000	%Q0001	SS--*- ------
15305	2511	3501	0.60000	%Q0001	----*- ----*-
15401*	3511	15401	0.82500	%Q0001	

```
15402*  4501 15402     0.82500  %Q0001
15403  15401 11507     0.30000  %Q0001      SS--*- ------
15404  15402 11507     0.30000  %Q0001      SS--*- ------
15405   3511  4501     0.60001  %Q0001      ----*- ----*-
15501*  4511 15601     0.82500  %Q0001
15502*  5501 15602     0.82500  %Q0001
15503  15601 11707     0.30000  %Q0001      SS--*- ------
15504  15602 11707     0.30000  %Q0001      SS--*- ------
15505   4511  5501     0.60001  %Q0001      ----*- ----*-
21101   1101  1201     2.30000  %Q0004
21111   1102  1202     2.30000  %Q0004
21121   1103  1203     2.30000  %Q0004
21131   1104  1204     2.30000  %Q0004
21141   1105  1205     2.30000  %Q0004
21151   1106  1206     2.30000  %Q0004
21161   1107  1207     2.30000  %Q0004
21171   1108  1208     2.30000  %Q0004
21181   1109  1209     2.30000  %Q0004
21191   1110  1210     2.30000  %Q0004
21201   1201  1301     2.30000  %Q0004
21211   1202  1302     2.30000  %Q0004
21221   1203  1303     2.30000  %Q0004
21231   1204  1304     2.30000  %Q0004
21241   1205  1305     2.30000  %Q0004
21251   1206  1306     2.30000  %Q0004
21261   1207  1307     2.30000  %Q0004
21271   1208  1308     2.30000  %Q0004
21281   1209  1309     2.30000  %Q0004
21291   1210  1310     2.30000  %Q0004
21301   1301  1401     2.30000  %Q0004
21311   1302  1402     2.30000  %Q0004
21321   1303  1403     2.30000  %Q0004
21331   1304  1404     2.30000  %Q0004
21341   1305  1405     2.30000  %Q0004
21351   1306  1406     2.30000  %Q0004
21361   1307  1407     2.30000  %Q0004
21371   1308  1408     2.30000  %Q0004
21381   1309  1409     2.30000  %Q0004
21391   1310  1410     2.30000  %Q0004
21401   1401  1501     2.30000  %Q0004
21411   1402  1502     2.30000  %Q0004
21421   1403  1503     2.30000  %Q0004
21431   1404  1504     2.30000  %Q0004
21441   1405  1505     2.30000  %Q0004
21451   1406  1506     2.30000  %Q0004
21461   1407  1507     2.30000  %Q0004
21471   1408  1508     2.30000  %Q0004
21481   1409  1509     2.30000  %Q0004
21491   1410  1510     2.30000  %Q0004
21501   1111  1211     2.30000  %Q0004
21601   1211  1311     2.30000  %Q0004
21701   1311  1411     2.30000  %Q0004
21801   1411  1511     2.30000  %Q0004
22101   2101  2201     2.30000  %Q0005
22111   2102  2202     2.30000  %Q0005
22121   2103  2203     2.30000  %Q0005
22131   2104  2204     2.30000  %Q0005
22141   2105  2205     2.30000  %Q0005
22151   2106  2206     2.30000  %Q0005
22161   2107  2207     2.30000  %Q0005
22171   2108  2208     2.30000  %Q0005
22181   2109  2209     2.30000  %Q0005
22191   2110  2210     2.30000  %Q0005
22201   2201  2301     2.30000  %Q0005
22211   2202  2302     2.30000  %Q0005
22221   2203  2303     2.30000  %Q0005
22231   2204  2304     2.30000  %Q0005
22241   2205  2305     2.30000  %Q0005
22251   2206  2306     2.30000  %Q0005
22261   2207  2307     2.30000  %Q0005
22271   2208  2308     2.30000  %Q0005
22281   2209  2309     2.30000  %Q0005
22291   2210  2310     2.30000  %Q0005
22301   2301  2401     2.30000  %Q0005
22311   2302  2402     2.30000  %Q0005
22321   2303  2403     2.30000  %Q0005
22331   2304  2404     2.30000  %Q0005
22341   2305  2405     2.30000  %Q0005
22351   2306  2406     2.30000  %Q0005
22361   2307  2407     2.30000  %Q0005
22371   2308  2408     2.30000  %Q0005
22381   2309  2409     2.30000  %Q0005
22391   2310  2410     2.30000  %Q0005
22401   2401  2501     2.30000  %Q0005
22411   2402  2502     2.30000  %Q0005
22421   2403  2503     2.30000  %Q0005
22431   2404  2504     2.30000  %Q0005
22441   2405  2505     2.30000  %Q0005
22451   2406  2506     2.30000  %Q0005
22461   2407  2507     2.30000  %Q0005
22471   2408  2508     2.30000  %Q0005
22481   2409  2509     2.30000  %Q0005
22491   2410  2510     2.30000  %Q0005
22501   2111  2211     2.30000  %Q0005
22601   2211  2311     2.30000  %Q0005
22701   2311  2411     2.30000  %Q0005
22801   2411  2511     2.30000  %Q0005
23101   3101  3201     2.30000  %Q0006
23111   3102  3202     2.30000  %Q0006
23121   3103  3203     2.30000  %Q0006
23131   3104  3204     2.30000  %Q0006
23141   3105  3205     2.30000  %Q0006
23151   3106  3206     2.30000  %Q0006
23161   3107  3207     2.30000  %Q0006
23171   3108  3208     2.30000  %Q0006
23181   3109  3209     2.30000  %Q0006
23191   3110  3210     2.30000  %Q0006
23201   3201  3301     2.30000  %Q0006
23211   3202  3302     2.30000  %Q0006
23221   3203  3303     2.30000  %Q0006
23231   3204  3304     2.30000  %Q0006
23241   3205  3305     2.30000  %Q0006
23251   3206  3306     2.30000  %Q0006
23261   3207  3307     2.30000  %Q0006
23271   3208  3308     2.30000  %Q0006
23281   3209  3309     2.30000  %Q0006
23291   3210  3310     2.30000  %Q0006
23301   3301  3401     2.30000  %Q0006
```

```
23311   3302  3402     2.30000  %Q0006
23321   3303  3403     2.30000  %Q0006
23331   3304  3404     2.30000  %Q0006
23341   3305  3405     2.30000  %Q0006
23351   3306  3406     2.30000  %Q0006
23361   3307  3407     2.30000  %Q0006
23371   3308  3408     2.30000  %Q0006
23381   3309  3409     2.30000  %Q0006
23391   3310  3410     2.30000  %Q0006
23401   3401  3501     2.30000  %Q0006
23411   3402  3502     2.30000  %Q0006
23421   3403  3503     2.30000  %Q0006
23431   3404  3504     2.30000  %Q0006
23441   3405  3505     2.30000  %Q0006
23451   3406  3506     2.30000  %Q0006
23461   3407  3507     2.30000  %Q0006
23471   3408  3508     2.30000  %Q0006
23481   3409  3509     2.30000  %Q0006
23491   3410  3510     2.30000  %Q0006
23501   3111  3211     2.30000  %Q0006
23601   3211  3311     2.30000  %Q0006
23701   3311  3411     2.30000  %Q0006
23801   3411  3511     2.30000  %Q0006
24101   4101  4201     2.30000  %Q0005
24111   4102  4202     2.30000  %Q0005
24121   4103  4203     2.30000  %Q0005
24131   4104  4204     2.30000  %Q0005
24141   4105  4205     2.30000  %Q0005
24151   4106  4206     2.30000  %Q0005
24161   4107  4207     2.30000  %Q0005
24171   4108  4208     2.30000  %Q0005
24181   4109  4209     2.30000  %Q0005
24191   4110  4210     2.30000  %Q0005
24201   4201  4301     2.30000  %Q0005
24211   4202  4302     2.30000  %Q0005
24221   4203  4303     2.30000  %Q0005
24231   4204  4304     2.30000  %Q0005
24241   4205  4305     2.30000  %Q0005
24251   4206  4306     2.30000  %Q0005
24261   4207  4307     2.30000  %Q0005
24271   4208  4308     2.30000  %Q0005
24281   4209  4309     2.30000  %Q0005
24291   4210  4310     2.30000  %Q0005
24301   4301  4401     2.30000  %Q0005
24311   4302  4402     2.30000  %Q0005
24321   4303  4403     2.30000  %Q0005
24331   4304  4404     2.30000  %Q0005
24341   4305  4405     2.30000  %Q0005
24351   4306  4406     2.30000  %Q0005
24361   4307  4407     2.30000  %Q0005
24371   4308  4408     2.30000  %Q0005
24381   4309  4409     2.30000  %Q0005
24391   4310  4410     2.30000  %Q0005
24401   4401  4501     2.30000  %Q0005
24411   4402  4502     2.30000  %Q0005
24421   4403  4503     2.30000  %Q0005
24431   4404  4504     2.30000  %Q0005
24441   4405  4505     2.30000  %Q0005
24451   4406  4506     2.30000  %Q0005
24461   4407  4507     2.30000  %Q0005
24471   4408  4508     2.30000  %Q0005
24481   4409  4509     2.30000  %Q0005
24491   4410  4510     2.30000  %Q0005
24501   4111  4211     2.30000  %Q0005
24601   4211  4311     2.30000  %Q0005
24701   4311  4411     2.30000  %Q0005
24801   4411  4511     2.30000  %Q0005
25101   5101  5201     2.30000  %Q0004
25111   5102  5202     2.30000  %Q0004
25121   5103  5203     2.30000  %Q0004
25131   5104  5204     2.30000  %Q0004
25141   5105  5205     2.30000  %Q0004
25151   5106  5206     2.30000  %Q0004
25161   5107  5207     2.30000  %Q0004
25171   5108  5208     2.30000  %Q0004
25181   5109  5209     2.30000  %Q0004
25191   5110  5210     2.30000  %Q0004
25201   5201  5301     2.30000  %Q0004
25211   5202  5302     2.30000  %Q0004
25221   5203  5303     2.30000  %Q0004
25231   5204  5304     2.30000  %Q0004
25241   5205  5305     2.30000  %Q0004
25251   5206  5306     2.30000  %Q0004
25261   5207  5307     2.30000  %Q0004
25271   5208  5308     2.30000  %Q0004
25281   5209  5309     2.30000  %Q0004
25291   5210  5310     2.30000  %Q0004
25301   5301  5401     2.30000  %Q0004
25311   5302  5402     2.30000  %Q0004
25321   5303  5403     2.30000  %Q0004
25331   5304  5404     2.30000  %Q0004
25341   5305  5405     2.30000  %Q0004
25351   5306  5406     2.30000  %Q0004
25361   5307  5407     2.30000  %Q0004
25371   5308  5408     2.30000  %Q0004
25381   5309  5409     2.30000  %Q0004
25391   5310  5410     2.30000  %Q0004
25401   5401  5501     2.30000  %Q0004
25411   5402  5502     2.30000  %Q0004
25421   5403  5503     2.30000  %Q0004
25431   5404  5504     2.30000  %Q0004
25441   5405  5505     2.30000  %Q0004
25451   5406  5506     2.30000  %Q0004
25461   5407  5507     2.30000  %Q0004
25471   5408  5508     2.30000  %Q0004
25481   5409  5509     2.30000  %Q0004
25491   5410  5510     2.30000  %Q0004
25501   5111  5211     2.30000  %Q0004
25601   5211  5311     2.30000  %Q0004
25701   5311  5411     2.30000  %Q0004
25801   5411  5511     2.30000  %Q0004
.TK 0

Las barras marcadas con "*" son verticales. Sus ejes locales son
tales que la direcci¢n 'y' resulta coincidente con la global siempre
y cuando no se haya rotado con la instructi¢n 'O_ORIENTACION'.
.SK 3
.TP 8
```

ORIENTANCION BARRAS Y CANT.VAR:
.TK 3

Barra	Cantos variables Inicio-sec	Fin-sec	Orientaci¢n barras x/n1/Angulo	y/n2	z
11281	DINTEL_I	DINTEL_F			
11286	DINTEL_F	DINTEL_I			
11381	DINTEL_I	DINTEL_F			
11386	DINTEL_F	DINTEL_I			
11481	DINTEL_I	DINTEL_F			
11486	DINTEL_F	DINTEL_I			
11581	DINTEL_I	DINTEL_F			
11586	DINTEL_F	DINTEL_I			

.TK 0
.SK 3
.TP 8
.TK 4

CARACTERISTICAS DE SEC.	Ax [M2] / Ix [M4] / zi [M1]	Iy [M4] / Fy [M2] / zs [M1]	Iz [M4] / Fz [M2] / yi [M1]	Phi[grados] / yd [M1]
.TP 4				
.TP 4				
%Q0001	1.0000E+00	1.0000E+00	1.0000E+00	0.00
	1.0000E+00	Undef	Undef	
	Undef	Undef	Undef	Undef
.TP 4				
%Q0002	6.5990E-01	5.7143E-02	2.0702E-01	-0.00
(VIGALOSA)	3.2000E-03	Undef	Undef	
	-0.7428	0.2572	-1.1500	1.1500
.TP 4				
%Q0003	5.3317E-01	5.7269E-02	6.6625E-02	-0.40
(VLOSAEXT)	2.2000E-03	Undef	Undef	
	-0.6832	0.3240	-0.7775	0.7739
.TP 4				
%Q0004	2.6000E-01	8.6667E-04	3.6617E-02	0.00
(LOSA130)	1.7300E-03	Undef	Undef	
	-0.1000	0.1000	-0.6500	0.6500
.TP 4				
%Q0005	2.9000E-01	9.6667E-04	5.0810E-02	0.00
(LOSA145)	1.9300E-03	Undef	Undef	
	-0.1000	0.1000	-0.7250	0.7250
.TP 4				
%Q0006	3.4000E-01	1.1333E-03	8.1883E-02	0.00
(LOSA170)	2.2700E-03	Undef	Undef	
	-0.1000	0.1000	-0.8500	0.8500
.TP 4				
%Q0007	3.2000E+00	1.7067E-01	4.2667E+00	0.00
(PILA)	3.5600E-01	Undef	Undef	
	-0.4000	0.4000	-2.0000	2.0000
.TP 4				
DINTEL_F	1.7000E+00	2.0141E-01	2.9067E-01	-0.00
	4.5996E-01	Undef	Undef	
	-0.6912	0.5588	-0.8000	0.8000
.TP 4				
DINTEL_I	1.0409E+00	3.7096E-02	2.1690E-01	-0.00
	1.7245E-01	Undef	Undef	
	-0.3331	0.3259	-0.8000	0.8000

.TK 0
.SK 3
.TP 8
MATERIALES:
.TK 3

Barra (hasta barra)	E-M¢dulo [KN/ M2]	G-M¢dulo [KN/ M2]
1101 ..25801	2.7200E+07	1.0480E+07

.TK 0
.SK 3
.TP 8
.TK 5
RIGIDEZ DE ARTICULACIONES ("-" sin art.; "*"=con art.)

Barra	Ini.-art-sx / Fin-art-sx [KN/M]	I-art-sy / F-art-sy [KN/M]	I-art-sz / F-art-sz [KN/M]	I-art-rx / F-art-rx [KNM/ARC]	I-art-ry / F-art-ry [KNM/ARC]	I-art-rz / F-art-rz [KNM/ARC]
11203	1.000E+03	1.000E+03	-	-	*	-
	-	-	-	-	-	-
11204	1.000E+03	1.000E+03	-	-	*	-
	-	-	-	-	-	-
11303	1.000E+03	1.000E+03	-	-	*	-
	-	-	-	-	-	-
11304	1.000E+03	1.000E+03	-	-	*	-
	-	-	-	-	-	-
11403	1.000E+03	1.000E+03	-	-	*	-
	-	-	-	-	-	-
11404	1.000E+03	1.000E+03	-	-	*	-
	-	-	-	-	-	-
11503	1.000E+03	1.000E+03	-	-	*	-
	-	-	-	-	-	-
11504	1.000E+03	1.000E+03	-	-	*	-
	-	-	-	-	-	-
12203	1.000E+03	1.000E+03	-	-	*	-
	-	-	-	-	-	-
12204	1.000E+03	1.000E+03	-	-	*	-
	-	-	-	-	-	-
12303	1.000E+03	1.000E+03	-	-	*	-
	-	-	-	-	-	-
12304	1.000E+03	1.000E+03	-	-	*	-
	-	-	-	-	-	-
12403	1.000E+03	1.000E+03	-	-	*	-
	-	-	-	-	-	-
12404	1.000E+03	1.000E+03	-	-	*	-
	-	-	-	-	-	-
12503	1.000E+03	1.000E+03	-	-	*	-
	-	-	-	-	-	-
12504	1.000E+03	1.000E+03	-	-	*	-
	-	-	-	-	-	-
13203	1.000E+03	1.000E+03	-	-	*	-

		-	-	-	-	-	-
13204	1.000E+03	1.000E+03	-	-	*	-
		-	-	-	-	-	-
13303	1.000E+03	1.000E+03	-	-	*	-
		-	-	-	-	-	-
13304	1.000E+03	1.000E+03	-	-	*	-
		-	-	-	-	-	-
13403	1.000E+03	1.000E+03	-	-	*	-
		-	-	-	-	-	-
13404	1.000E+03	1.000E+03	-	-	*	-
		-	-	-	-	-	-
13503	1.000E+03	1.000E+03	-	-	*	-
		-	-	-	-	-	-
13504	1.000E+03	1.000E+03	-	-	*	-
		-	-	-	-	-	-
14203	1.000E+03	1.000E+03	-	-	*	-
		-	-	-	-	-	-
14204	1.000E+03	1.000E+03	-	-	*	-
		-	-	-	-	-	-
14303	1.000E+03	1.000E+03	-	-	*	-
		-	-	-	-	-	-
14304	1.000E+03	1.000E+03	-	-	*	-
		-	-	-	-	-	-
14403	1.000E+03	1.000E+03	-	-	*	-
		-	-	-	-	-	-
14404	1.000E+03	1.000E+03	-	-	*	-
		-	-	-	-	-	-
14503	1.000E+03	1.000E+03	-	-	*	-
		-	-	-	-	-	-
14504	1.000E+03	1.000E+03	-	-	*	-
		-	-	-	-	-	-
15203	1.000E+03	1.000E+03	-	-	*	-
		-	-	-	-	-	-
15204	1.000E+03	1.000E+03	-	-	*	-
		-	-	-	-	-	-
15303	1.000E+03	1.000E+03	-	-	*	-
		-	-	-	-	-	-
15304	1.000E+03	1.000E+03	-	-	*	-
		-	-	-	-	-	-
15403	1.000E+03	1.000E+03	-	-	*	-
		-	-	-	-	-	-
15404	1.000E+03	1.000E+03	-	-	*	-
		-	-	-	-	-	-
15503	1.000E+03	1.000E+03	-	-	*	-
		-	-	-	-	-	-
15504	1.000E+03	1.000E+03	-	-	*	-
		-	-	-	-	-	-

.TK 0

.SK 5
.TP 15
==========
Hipótesis 1: Peso propio vigas
==========

.TK 3

Tipo de carga	Valor(a)	Distancia Valor(b)	Números nudos/barras
Fuerza Z gl const.	-5.000		Barra 1101 ..1110 1201
			..1210 1301 ..1310 1401
			..1410 1501 ..1510 2101
			..2110 2201 ..2210 2301

.SK 5
.TP 15
==========
Hipótesis 2: Peso propio losa
==========

.TK 3

Tipo de carga	Valor(a)	Distancia Valor(b)	Números nudos/barras
P grav. Z gl const.	-25.000		Barra 21101 21111 21121
			21131 21141 21151 21161
			21171 21181 21191 21201
			21211 21221 21231 21241
			21251 21261 21271 21281
			21291 21301 21311 21321
			21331 21341 21351 21361
			21371 21381 21391 21401
			21411 21421 21431 21441
			21451 21461 21471 21481
			21491 21501 21601 21701
			21801 22101 22111 22121
			22131 22141 22151 22161
			22171 22181 22191 22201
			22211 22221 22231 22241
			22251 22261 22271 22281
			22291 22301 22311 22321
			22331 22341 22351 22361
			22371 22381 22391 22401
			22411 22421 22431 22441
			22451 22461 22471 22481
			22491 22501 22601 22701
			22801 23101 23111 23121
			23131 23141 23151 23161
			23171 23181 23191 23201
			23211 23221 23231 23241
			23251 23261 23271 23281
			23291 23301 23311 23321
			23331 23341 23351 23361
			23371 23381 23391 23401
			23411 23421 23431 23441

```
23451   23461   23471   23481
23491   23501   23601   23701
23801   24101   24111   24121
24131   24141   24151   24161
24171   24181   24191   24201
24211   24221   24231   24241
24251   24261   24271   24281
24291   24301   24311   24321
24331   24341   24351   24361
24371   24381   24391   24401
24411   24421   24431   24441
24451   24461   24471   24481
24491   24501   24601   24701
24801   25101   25111   25121
25131   25141   25151   25161
25171   25181   25191   25201
25211   25221   25231   25241
25251   25261   25271   25281
25291   25301   25311   25321
25331   25341   25351   25361
25371   25381   25391   25401
25411   25421   25431   25441
25451   25461   25471   25481
25491   25501   25601   25701
25801
```

```
Fuerza  Z  gl const.      -4.749
```

```
Barra     22101   24101   22111
    24111   22121   24121   22131
    24131   22141   24141   22151
    24151   22161   24161   22171
    24171   22181   24181   22191
    24191   22501   24501   22201
    24201   22211   24211   22221
    24221   22231   24231   22241
    24241   22251   24251   22261
    24261   22271   24271   22281
    24281   22291   24291   22601
    24601   22301   24301   22311
    24311   22321   24321   22331
    24331   22341   24341   22351
    24351   22361   24361   22371
    24371   22381   24381   22391
    24391   22701   24701   22401
    24401   22411   24411   22421
    24421   22431   24431   22441
    24441   22451   24451   22461
    24461   22471   24471   22481
    24481   22491   24491   22801
    24801
```

```
Fuerza  Z  gl const.      -5.568
```

```
Barra     23101   23111   23121
    23131   23141   23151   23161
    23171   23181   23191   23501
    23201   23211   23221   23231
    23241   23251   23261   23271
    23281   23291   23601   23301
    23311   23321   23331   23341
    23351   23361   23371   23381
    23391   23701   23401   23411
    23421   23431   23441   23451
    23461   23471   23481   23491
    23801
```

```
Fuerza  Z  gl const.      -5.000
```

```
Barra      1101 ..1110   2101
  ..2110   3101 ..3110   4101
  ..4110   5101 ..5110   1501
  ..1510   2501 ..2510   3501
  ..3510   4501 ..4510   5501
  ..5510   11205   11305   11405
    11505   15205   15305   15405
    15505
```

```
.SK 5
.TP 15
==================
Hipótesis       3:  carga muerta
==================

.TK 3
```

Tipo de carga	Distancia Valor(a)	Distancia Valor(b)	Números nudos/barras
Fuerza Z gl const.	-4.258		

```
Barra     21101   25101   21111
    25111   21121   25121   21131
    25131   21141   25141   21151
    25151   21161   25161   21171
    25171   21181   25181   21191
    25191   21501   25501   21201
    25201   21211   25211   21221
    25221   21231   25231   21241
    25241   21251   25251   21261
    25261   21271   25271   21281
    25281   21291   25291   21601
    25601   21301   25301   21311
    25311   21321   25321   21331
    25331   21341   25341   21351
    25351   21361   25361   21371
    25371   21381   25381   21391
    25391   21701   25701   21401
    25401   21411   25411   21421
    25421   21431   25431   21441
    25441   21451   25451   21461
    25461   21471   25471   21481
    25481   21491   25491   21801
    25801
```

```
.SK 5
.TP 15
==================
Hipótesis       4:  se repartida mitad d vano
==================

.TK 3
```

Tipo de carga	Distancia Valor(a)	Distancia Valor(b)	Números nudos/barras
Fuerza Z gl const.	-5.200		

```
Barra     21301   21311   21321
    21331   21341   21351   21361
    21371   21381   21391   21701
    21401   21411   21421   21431
    21441   21451   21461   21471
```

21481 21491 21801

.SK 5
.TP 15
==========
Hip¢tesis 5: sobrecarga vano 1 i
==========

.TK 3

Tipo de carga	Valor(a)	Distancia Valor(b)	N£meros nudos/barras	
Fuerza Z gl const.	-5.200		Barra	21101 21111 21121
				21131 21141 21151 21161
				21171 21181 21191 21501
				21201 21211 21221 21231
				21241 21251 21261 21271
				21281 21291 21601

.SK 5
.TP 15
==========
Hip¢tesis 6: Veh¡culo pesado 1 vano 1
==========

.TK 3

Tipo de carga	Valor(a)	Distancia Valor(b)	N£meros nudos/barras	
Fuerza Z gl conc.	-100.000	1.000	Barra	21101
Fuerza Z gl conc.	-100.000	0.700000	Barra	21201
Fuerza Z gl conc.	-100.000	1.000	Barra	21111
Fuerza Z gl conc.	-100.000	0.700000	Barra	21211
Fuerza Z gl conc.	-100.000	1.000	Barra	21121
Fuerza Z gl conc.	-100.000	0.700000	Barra	21221

.SK 5
.TP 15
==========
Hip¢tesis 7: Veh¡culo pesado 2 vano 1
==========

.TK 3

Tipo de carga	Valor(a)	Distancia Valor(b)	N£meros nudos/barras	
Fuerza Z gl conc.	-100.000	1.150	Barra	21201
Fuerza Z gl conc.	-100.000	0.850000	Barra	21301
Fuerza Z gl conc.	-100.000	1.150	Barra	21211
Fuerza Z gl conc.	-100.000	0.850000	Barra	21311
Fuerza Z gl conc.	-100.000	1.150	Barra	21221
Fuerza Z gl conc.	-100.000	0.850000	Barra	21321

.SK 5
.TP 15
==========
Hip¢tesis 8: Veh¡culo pesado 3 vano 1
==========

.TK 3

Tipo de carga	Valor(a)	Distancia Valor(b)	N£meros nudos/barras	
Fuerza Z gl conc.	-100.000	1.000	Barra	21131
Fuerza Z gl conc.	-100.000	0.700000	Barra	21231
Fuerza Z gl conc.	-100.000	1.000	Barra	21141
Fuerza Z gl conc.	-100.000	0.700000	Barra	21241
Fuerza Z gl conc.	-100.000	1.000	Barra	21151
Fuerza Z gl conc.	-100.000	0.700000	Barra	21251

.SK 5
.TP 15
==========
Hip¢tesis 9: Veh¡culo pesado 4 vano 1
==========

.TK 3

Tipo de carga	Valor(a)	Distancia Valor(b)	N£meros nudos/barras	
Fuerza Z gl conc.	-100.000	1.150	Barra	21231
Fuerza Z gl conc.	-100.000	0.850000	Barra	21331
Fuerza Z gl conc.	-100.000	1.150	Barra	21241
Fuerza Z gl conc.	-100.000	0.850000	Barra	21341
Fuerza Z gl conc.	-100.000	1.150	Barra	21251
Fuerza Z gl conc.	-100.000	0.850000	Barra	21351

.SK 5
.TP 15
==========
Hip¢tesis 10: Veh¡culo pesado 5 vano 1
==========

.TK 3

Tipo de carga	Valor(a)	Distancia Valor(b)	N£meros nudos/barras	
Fuerza Z gl conc.	-100.000	1.000	Barra	21161
Fuerza Z gl conc.	-100.000	0.700000	Barra	21261
Fuerza Z gl conc.	-100.000	1.000	Barra	21171
Fuerza Z gl conc.	-100.000	0.700000	Barra	21271
Fuerza Z gl conc.	-100.000	1.000	Barra	21181
Fuerza Z gl conc.	-100.000	0.700000	Barra	21281

.SK 5
.TP 15
==========
Hip¢tesis 11: Veh¡culo pesado 6 vano 1
==========

.TK 3

Tipo de carga	Valor(a)	Distancia Valor(b)	N£meros nudos/barras	
Fuerza Z gl conc.	-100.000	1.150	Barra	21261
Fuerza Z gl conc.	-100.000	0.850000	Barra	21361
Fuerza Z gl conc.	-100.000	1.150	Barra	21271
Fuerza Z gl conc.	-100.000	0.850000	Barra	21371

```
Fuerza  Z  gl conc.    -100.000     1.150  Barra     21281
Fuerza  Z  gl conc.    -100.000  0.850000  Barra     21381

.SK 5
.TP 15
==================
Hip¢tesis      12:  Veh¡culo pesado 7 vano 1
==================

.TK 3
                                   Distancia
Tipo de carga          Valor(a)  Valor(b)   N£meros nudos/barras
-------------------------------------------------------------------------
Fuerza  Z  gl conc.    -100.000     1.000  Barra     21191
Fuerza  Z  gl conc.    -100.000  0.700000  Barra     21291
Fuerza  Z  gl conc.    -100.000     1.000  Barra     21501
Fuerza  Z  gl conc.    -100.000  0.700000  Barra     21601
Fuerza  Z  gl conc.    -100.000     1.000  Barra     22101
Fuerza  Z  gl conc.    -100.000  0.700000  Barra     22201

.SK 5
.TP 15
==================
Hip¢tesis      13:  Veh¡culo pesado 8 vano 1
==================

.TK 3
                                   Distancia
Tipo de carga          Valor(a)  Valor(b)   N£meros nudos/barras
-------------------------------------------------------------------------
Fuerza  Z  gl conc.    -100.000     1.150  Barra     21291
Fuerza  Z  gl conc.    -100.000  0.850000  Barra     21391
Fuerza  Z  gl conc.    -100.000     1.150  Barra     21601
Fuerza  Z  gl conc.    -100.000  0.850000  Barra     21701
Fuerza  Z  gl conc.    -100.000     1.150  Barra     22201
Fuerza  Z  gl conc.    -100.000  0.850000  Barra     22301

.SK 5
.TP 15
==================
Hip¢tesis      14:  Veh¡culo pesado 1 vano 2
==================

.TK 3
                                   Distancia
Tipo de carga          Valor(a)  Valor(b)   N£meros nudos/barras
-------------------------------------------------------------------------
Fuerza  Z  gl conc.    -100.000     1.000  Barra     22101
Fuerza  Z  gl conc.    -100.000  0.700000  Barra     22201
Fuerza  Z  gl conc.    -100.000     1.000  Barra     22111
Fuerza  Z  gl conc.    -100.000  0.700000  Barra     22211
Fuerza  Z  gl conc.    -100.000     1.000  Barra     22121
Fuerza  Z  gl conc.    -100.000  0.700000  Barra     22221

.SK 5
.TP 15
==================
Hip¢tesis      15:  Veh¡culo pesado 2 vano 2
==================
```



```
.TK 3
                                   Distancia
Tipo de carga          Valor(a)  Valor(b)   N£meros nudos/barras
-------------------------------------------------------------------------
Fuerza  Z  gl conc.    -100.000     1.150  Barra     22201
Fuerza  Z  gl conc.    -100.000  0.850000  Barra     22301
Fuerza  Z  gl conc.    -100.000     1.150  Barra     22211
Fuerza  Z  gl conc.    -100.000  0.850000  Barra     22311
Fuerza  Z  gl conc.    -100.000     1.150  Barra     22221
Fuerza  Z  gl conc.    -100.000  0.850000  Barra     22321

.SK 5
.TP 15
==================
Hip¢tesis      16:  Veh¡culo pesado 3 vano 2
==================

.TK 3
                                   Distancia
Tipo de carga          Valor(a)  Valor(b)   N£meros nudos/barras
-------------------------------------------------------------------------
Fuerza  Z  gl conc.    -100.000     1.000  Barra     22131
Fuerza  Z  gl conc.    -100.000  0.700000  Barra     22231
Fuerza  Z  gl conc.    -100.000     1.000  Barra     22141
Fuerza  Z  gl conc.    -100.000  0.700000  Barra     22241
Fuerza  Z  gl conc.    -100.000     1.000  Barra     22151
Fuerza  Z  gl conc.    -100.000  0.700000  Barra     22251

.SK 5
.TP 15
==================
Hip¢tesis      17:  Veh¡culo pesado 4 vano 2
==================

.TK 3
                                   Distancia
Tipo de carga          Valor(a)  Valor(b)   N£meros nudos/barras
-------------------------------------------------------------------------
Fuerza  Z  gl conc.    -100.000     1.150  Barra     22231
Fuerza  Z  gl conc.    -100.000  0.850000  Barra     22331
Fuerza  Z  gl conc.    -100.000     1.150  Barra     22241
Fuerza  Z  gl conc.    -100.000  0.850000  Barra     22341
Fuerza  Z  gl conc.    -100.000     1.150  Barra     22251
Fuerza  Z  gl conc.    -100.000  0.850000  Barra     22351

.SK 5
.TP 15
==================
Hip¢tesis      18:  Veh¡culo pesado 5 vano 2
==================

.TK 3
                                   Distancia
Tipo de carga          Valor(a)  Valor(b)   N£meros nudos/barras
-------------------------------------------------------------------------
Fuerza  Z  gl conc.    -100.000     1.000  Barra     22161
Fuerza  Z  gl conc.    -100.000  0.700000  Barra     22261
Fuerza  Z  gl conc.    -100.000     1.000  Barra     22171
```

Fuerza	Z	gl conc.	-100.000	0.700000	Barra	22271
Fuerza	Z	gl conc.	-100.000	1.000	Barra	22181
Fuerza	Z	gl conc.	-100.000	0.700000	Barra	22281

.SK 5
.TP 15
==========
Hip¢tesis 19: Veh¡culo pesado 6 vano 2
==========

.TK 3

Tipo de carga			Valor(a)	Distancia Valor(b)	N£meros nudos/barras	
Fuerza	Z	gl conc.	-100.000	1.150	Barra	22261
Fuerza	Z	gl conc.	-100.000	0.850000	Barra	22361
Fuerza	Z	gl conc.	-100.000	1.150	Barra	22271
Fuerza	Z	gl conc.	-100.000	0.850000	Barra	22371
Fuerza	Z	gl conc.	-100.000	1.150	Barra	22281
Fuerza	Z	gl conc.	-100.000	0.850000	Barra	22381

.SK 5
.TP 15
==========
Hip¢tesis 21: Veh¡culo pesado 8 vano 2
==========

.TK 3

Tipo de carga			Valor(a)	Distancia Valor(b)	N£meros nudos/barras	
Fuerza	Z	gl conc.	-100.000	1.150	Barra	22291
Fuerza	Z	gl conc.	-100.000	0.850000	Barra	22391
Fuerza	Z	gl conc.	-100.000	1.150	Barra	22601
Fuerza	Z	gl conc.	-100.000	0.850000	Barra	22701
Fuerza	Z	gl conc.	-100.000	1.150	Barra	23201
Fuerza	Z	gl conc.	-100.000	0.850000	Barra	23301

.SK 5
.TP 15
==========
Hip¢tesis 22: Reol¢gicas
==========

.TK 3

Tipo de carga			Valor(a)	Distancia Valor(b)	N£meros nudos/barras		
Def. x	X	lo const.	-0.001000		Barra	1101 ..1110	2101
					..2110	3101 ..3110	4101
					..4110	5101 ..5110	1201
					..1210	2201 ..2210	3201
					..3210	4201 ..4210	5201
					..5210	1301 ..1310	2301
					..2310	3301 ..3310	4301
					..4310	5301 ..5310	1401
					..1410	2401 ..2410	3401
					..3410	4401 ..4410	5401
					..5410	1501 ..1510	2501
					..2510	3501 ..3510	4501
					..4510	5501 ..5510	

.SK 5
.TP 15
==========
Hip¢tesis 23: gradiente t,rmico 14 c
==========

.TK 3

Tipo de carga			Valor(a)	Distancia Valor(b)	N£meros nudos/barras		
Giro y/zY		lo const.	0.000140		Barra	1101 ..1110	2101
					..2110	3101 ..3110	4101
					..4110	5101 ..5110	1201
					..1210	2201 ..2210	3201
					..3210	4201 ..4210	5201
					..5210	1301 ..1310	2301
					..2310	3301 ..3310	4301
					..4310	5301 ..5310	1401
					..1410	2401 ..2410	3401
					..3410	4401 ..4410	5401
					..5410	1501 ..1510	2501
					..2510	3501 ..3510	4501
					..4510	5501 ..5510	

.SK 5
.TP 15
==========
Hip¢tesis 24: Viento transversal
==========

.TK 3

Tipo de carga			Valor(a)	Distancia Valor(b)	N£meros nudos/barras		
Fuerza	Y	lo const.	6.750		Barra	1101 ..1110	2101
					..2110	3101 ..3110	4101
					..4110	5101 ..5110	
Fuerza	Y	lo const.	2.250		Barra	1501 ..1510	2501
					..2510	3501 ..3510	4501
					..4510	5501 ..5510	

.SK 5
.TP 15
==========
Hip¢tesis 25: Frenado
==========

.TK 3

Tipo de carga			Valor(a)	Distancia Valor(b)	N£meros nudos/barras		
Fuerza	X	lo const.	0.500000		Barra	1101 ..1110	2101
					..2110	3101 ..3110	4101
					..4110	5101 ..5110	1201
					..1210	2201 ..2210	3201
					..3210	4201 ..4210	5201

```
                                                ..5210   1301 ..1310   2301
                                                ..2310   3301 ..3310   4301
                                                ..4310   5301 ..5310   1401
                                                ..1410   2401 ..2410   3401
                                                ..3410   4401 ..4410   5401
                                                ..5410   1501 ..1510   2501
                                                ..2510   3501 ..3510   4501
                                                ..4510   5501 ..5510

.SK 5
.TP 15
==================
Hip¢tesis      26:  Temperatura uniforme
==================

.TK 3
                                    Distancia
Tipo de carga              Valor(a)  Valor(b)   N£meros nudos/barras
-------------------------------------------------------------------------
Def. x  X  lo const.   -0.000215             Barra      1101 ..1110   2101
                                                ..2110   3101 ..3110   4101
                                                ..4110   5101 ..5110   1201
                                                ..1210   2201 ..2210   3201
                                                ..3210   4201 ..4210   5201
                                                ..5210   1301 ..1310   2301
                                                ..2310   3301 ..3310   4301
                                                ..4310   5301 ..5310   1401
                                                ..1410   2401 ..2410   3401
                                                ..3410   4401 ..4410   5401
                                                ..5410   1501 ..1510   2501
                                                ..2510   3501 ..3510   4501
                                                ..4510   5501 ..5510

.SK 5
.TP 15
==================
Hip¢tesis      27:  sc repartida mitad d vano2
==================

.TK 3
                                    Distancia
Tipo de carga              Valor(a)  Valor(b)   N£meros nudos/barras
-------------------------------------------------------------------------
Fuerza  Z  gl const.      -5.800             Barra      22301   22311   22321
                                                22331   22341   22351   22361
                                                22371   22381   22391   22701
                                                22401   22411   22421   22431
                                                22441   22451   22461   22471
                                                22481   22491   22801

.SK 5
.TP 15
==================
Hip¢tesis      28:  sobrecarga vano 2 i
==================

.TK 3
                                    Distancia
Tipo de carga              Valor(a)  Valor(b)   N£meros nudos/barras
-------------------------------------------------------------------------
Fuerza  Z  gl const.      -6.800             Barra      22101   22111   22121
                                                22131   22141   22151   22161
                                                22171   22181   22191   22501
                                                22201   22211   22221   22231
                                                22241   22251   22261   22271
                                                22281   22291   22601

.SK 5
.TP 15
==================
Hip¢tesis      29:  sc repartida mitad d vano3
==================

.TK 3
                                    Distancia
Tipo de carga              Valor(a)  Valor(b)   N£meros nudos/barras
-------------------------------------------------------------------------
Fuerza  Z  gl const.      -6.800             Barra      23301   23311   23321
                                                23331   23341   23351   23361
                                                23371   23381   23391   23701
                                                23401   23411   23421   23431
                                                23441   23451   23461   23471
                                                23481   23491   23801

.SK 5
.TP 15
==================
Hip¢tesis      30:  sobrecarga vano 3 i
==================

.TK 3
                                    Distancia
Tipo de carga              Valor(a)  Valor(b)   N£meros nudos/barras
-------------------------------------------------------------------------
Fuerza  Z  gl const.      -6.800             Barra      23101   23111   23121
                                                23131   23141   23151   23161
                                                23171   23181   23191   23501
                                                23201   23211   23221   23231
                                                23241   23251   23261   23271
                                                23281   23291   23601

.SK 5
.TP 15
==================
Hip¢tesis      31:  sc repartida mitad d vano4
==================

.TK 3
                                    Distancia
Tipo de carga              Valor(a)  Valor(b)   N£meros nudos/barras
-------------------------------------------------------------------------
Fuerza  Z  gl const.      -5.800             Barra      24301   24311   24321
                                                24331   24341   24351   24361
                                                24371   24381   24391   24701
                                                24401   24411   24421   24431
                                                24441   24451   24461   24471
                                                24481   24491   24801
```

```
.SK 5
.TP 15
==================
Hip¢tesis      32:  sobrecarga vano 4 i
==================

.TK 3
                                   Distancia
Tipo de carga              Valor(a)  Valor(b)   N£meros nudos/barras
-------------------------------------------------------------------------
Fuerza  Z  gl const.       -5.800            Barra     24101   24111   24121
                                                24131   24141   24151   24161
                                                24171   24181   24191   24501
                                                24201   24211   24221   24231
                                                24241   24251   24261   24271
                                                24281   24291   24601

.SK 5
.TP 15
==================
Hip¢tesis      33:  sc repartida mitad d vano5
==================

.TK 3
                                   Distancia
Tipo de carga              Valor(a)  Valor(b)   N£meros nudos/barras
-------------------------------------------------------------------------
Fuerza  Z  gl const.       -5.200            Barra     25301   25311   25321
                                                25331   25341   25351   25361
                                                25371   25381   25391   25701
                                                25401   25411   25421   25431
                                                25441   25451   25461   25471
                                                25481   25491   25801

.SK 5
.TP 15
==================
Hip¢tesis      34:  sobrecarga vano 5 i
==================

.TK 3
                                   Distancia
Tipo de carga              Valor(a)  Valor(b)   N£meros nudos/barras
-------------------------------------------------------------------------
Fuerza  Z  gl const.       -5.200            Barra     25101   25111   25121
                                                25131   25141   25151   25161
                                                25171   25181   25191   25501
                                                25201   25211   25221   25231
                                                25241   25251   25261   25271
                                                25281   25291   25601

.SK 5
.TP 15
==================
Hip¢tesis      35:  Veh¡culo pesado 1 vano 3
==================

.TK 3
                                   Distancia
Tipo de carga              Valor(a)  Valor(b)   N£meros nudos/barras
-------------------------------------------------------------------------
Fuerza  Z  gl conc.        -100.000      1.000  Barra     23101
Fuerza  Z  gl conc.        -100.000  0.700000   Barra     23201
Fuerza  Z  gl conc.        -100.000      1.000  Barra     23111
Fuerza  Z  gl conc.        -100.000  0.700000   Barra     23211
Fuerza  Z  gl conc.        -100.000      1.000  Barra     23121
Fuerza  Z  gl conc.        -100.000  0.700000   Barra     23221

.SK 5
.TP 15
==================
Hip¢tesis      36:  Veh¡culo pesado 2 vano 3
==================

.TK 3
                                   Distancia
Tipo de carga              Valor(a)  Valor(b)   N£meros nudos/barras
-------------------------------------------------------------------------
Fuerza  Z  gl conc.        -100.000      1.150  Barra     23201
Fuerza  Z  gl conc.        -100.000  0.850000   Barra     23301
Fuerza  Z  gl conc.        -100.000      1.150  Barra     23211
Fuerza  Z  gl conc.        -100.000  0.850000   Barra     23311
Fuerza  Z  gl conc.        -100.000      1.150  Barra     23221
Fuerza  Z  gl conc.        -100.000  0.850000   Barra     23321


.SK 5
.TP 15
==================
Hip¢tesis      37:  Veh¡culo pesado 3 vano 3
==================

.TK 3
                                   Distancia
Tipo de carga              Valor(a)  Valor(b)   N£meros nudos/barras
-------------------------------------------------------------------------
Fuerza  Z  gl conc.        -100.000      1.000  Barra     23131
Fuerza  Z  gl conc.        -100.000  0.700000   Barra     23231
Fuerza  Z  gl conc.        -100.000      1.000  Barra     23141
Fuerza  Z  gl conc.        -100.000  0.700000   Barra     23241
Fuerza  Z  gl conc.        -100.000      1.000  Barra     23151
Fuerza  Z  gl conc.        -100.000  0.700000   Barra     23251


.SK 5
.TP 15
==================
Hip¢tesis      38:  Veh¡culo pesado 4 vano 3
==================

.TK 3
                                   Distancia
Tipo de carga              Valor(a)  Valor(b)   N£meros nudos/barras
-------------------------------------------------------------------------
Fuerza  Z  gl conc.        -100.000      1.150  Barra     23231
Fuerza  Z  gl conc.        -100.000  0.850000   Barra     23331
Fuerza  Z  gl conc.        -100.000      1.150  Barra     23241
Fuerza  Z  gl conc.        -100.000  0.850000   Barra     23341
```

Fuerza	Z	gl conc.	-100.000	1.150	Barra	23251
Fuerza	Z	gl conc.	-100.000	0.850000	Barra	23351

5. LISTADO DE HIPÓTESIS INDIVIDUALES

5 LISTADO DE HIPÓTESIS INDIVIDUALES

A continuación se adjuntan los esfuerzos y reacciones debidas a las hipótesis individuales.

Estos listados deben permitir la comprobación de los cálculos por personas ajenas al proyecto.

```
.ID Hip¢tesi   1
.SK 4
.TP 20
CARGAS:                          ''                                    Ejec.  "HIP"
=============================================================================
Hip¢tesis      Factor         Etapa       T¡tulo
  1            1.0000                     Peso propio vigas
=============================================================================
.ID REA3,STATIK2,1.58
.UN  M,KN
.EL !LHIP.001
.SK 3
.TP 12
.TK 4
REACCIONES EN APOYOS:
NUDOS            FX          FY          FZ          MX          MY          MZ
                [kN]        [kN]        [kN]        [kNm]       [kNm]       [kNm]
-----------------------------------------------------------------------------
 1101     -0.000184  -8.61E-05      31.696
 1201     -0.000204  -7.98E-05      31.751
 1301     -0.000218  -7.77E-05      31.759
 1401     -0.000232  -7.93E-05      31.751
 1501     -0.000250  -8.55E-05      31.696
 5111      0.000184  -8.61E-05      31.696
 5211      0.000204  -7.98E-05      31.751
 5311      0.000218  -7.77E-05      31.758
 5411      0.000232  -7.93E-05      31.751
 5511      0.000251  -8.55E-05      31.696
11113      0.450416  -3.03E-05     332.598    0.000313   -0.284910    0.020510
11313         1.105   0.000439     378.749   -0.004485    0.888509    0.009949
11513        -1.105   0.000439     378.749   -0.004485   -0.888577   -0.009950
11713     -0.450420  -3.03E-05     332.598    0.000313    0.284889   -0.020510
. ------------------------------------
. Sumas:  -5.96E-08  -3.91E-08    1739.999
.ID SKR3,STATIK2,1.58
.UN  M,KN
.EL !LHIP.001
.SK 3
.TP 12
.TK 4
ESFUERZOS:
Barra Distancia          N          Vy          Vz          Mx          My          Mz
          [m]         [kN]        [kN]        [kN]        [kNm]       [kNm]       [kNm]
-----------------------------------------------------------------------------
 1101       0   0.005636   -0.019444      31.664   0.040577   -0.035868   -0.008135
 1101   1.270   0.005636   -0.019444      25.314   0.040577    36.144     -0.032828
.
 1102       0   0.011416   -0.021739      25.310   0.052173    36.107     -0.040812
 1102   1.270   0.011416   -0.021739      18.960   0.052173    64.218     -0.068420
.
 1103       0   0.014964   -0.016619      18.965   0.060300    64.179     -0.072846
 1103   1.270   0.014964   -0.016619      12.615   0.060300    84.231     -0.093951
.
 1104       0   0.016646   -0.010308      12.625   0.070384    84.187     -0.095890
 1104   1.270   0.016646   -0.010308       6.275   0.070384    96.188     -0.108980
```

1105	0	0.016717	-0.004300	6.295	0.083854	96.137	-0.109043
1105	1.270	0.016717	-0.004300	-0.054343	0.083854	100.100	-0.114504
1106	0	0.015234	0.001565	-0.021238	0.101281	100.040	-0.112832
1106	1.270	0.015234	0.001565	-6.371	0.101281	95.981	-0.110844
1107	0	0.012332	0.007645	-6.315	0.123197	95.910	-0.107569
1107	1.270	0.012332	0.007645	-12.665	0.123197	83.858	-0.097860
1108	0	0.008399	0.013614	-12.578	0.151509	83.777	-0.093285
1108	1.270	0.008399	0.013614	-18.928	0.151509	63.772	-0.075996
1109	0	0.004403	0.017104	-18.798	0.194670	63.680	-0.070960
1109	1.270	0.004403	0.017104	-25.148	0.194670	35.775	-0.049239
1110	0	0.003478	0.015406	-24.973	0.284573	35.674	-0.047830
1110	1.270	0.003478	0.015406	-31.322	0.284573	-0.072265	-0.028265
1201	0	-0.000405	0.012837	31.771	0.050177	0.018451	-0.010490
1201	1.270	-0.000405	0.012837	25.422	0.050177	36.334	0.005813
1202	0	2.73E-05	0.013043	25.435	0.060054	36.355	-0.007062
1202	1.270	2.73E-05	0.013043	19.085	0.060054	64.624	0.009502
1203	0	0.002490	0.008650	19.102	0.064088	64.646	-0.001385
1203	1.270	0.002490	0.008650	12.752	0.064088	84.872	0.009600
1204	0	0.005214	0.004125	12.771	0.067423	84.899	0.002528
1204	1.270	0.005214	0.004125	6.421	0.067423	97.086	0.007767
1205	0	0.007307	-5.56E-05	6.432	0.069993	97.119	0.005169
1205	1.270	0.007307	-5.56E-05	0.082618	0.069993	101.256	0.005099
1206	0	0.008608	-0.004231	0.075470	0.070684	101.300	0.007026
1206	1.270	0.008608	-0.004231	-6.274	0.070684	97.364	0.001653
1207	0	0.009259	-0.008342	-6.326	0.067790	97.423	0.007553
1207	1.270	0.009259	-0.008342	-12.676	0.067790	85.356	-0.003041
1208	0	0.009688	-0.010970	-12.799	0.057626	85.433	0.005207
1208	1.270	0.009688	-0.010970	-19.149	0.057626	65.147	-0.008724
1209	0	0.010553	-0.007357	-19.375	0.027915	65.243	-0.001569
1209	1.270	0.010553	-0.007357	-25.725	0.027915	36.605	-0.010913
1210	0	0.010810	0.009509	-26.060	-0.069771	36.717	-0.010553
1210	1.270	0.010810	0.009509	-32.409	-0.069771	-0.409286	0.001522
1301	0	0.000519	0.011421	31.780	8.09E-08	0.038815	-0.010534
1301	1.270	0.000519	0.011421	25.431	8.09E-08	36.366	0.003970
1302	0	0.000940	0.014666	25.411	1.03E-07	36.406	-0.009998
1302	1.270	0.000940	0.014666	19.062	1.03E-07	64.645	0.008627
1303	0	0.001507	0.012371	19.018	1.23E-07	64.686	-0.005388
1303	1.270	0.001507	0.012371	12.669	1.23E-07	84.806	0.010322
1304	0	0.002222	0.007771	12.610	1.51E-07	84.846	-0.000469
1304	1.270	0.002222	0.007771	6.260	1.51E-07	96.828	0.009400
1305	0	0.003071	0.002770	6.196	1.88E-07	96.865	0.003471
1305	1.270	0.003071	0.002770	-0.153261	1.88E-07	100.702	0.006989
1306	0	0.003962	-0.002085	-0.205694	2.32E-07	100.733	0.006371
1306	1.270	0.003962	-0.002085	-6.555	2.32E-07	96.440	0.003724
1307	0	0.004565	-0.006609	-6.565	2.73E-07	96.462	0.008141
1307	1.270	0.004565	-0.006609	-12.915	2.73E-07	84.092	-0.000252
1308	0	0.004071	-0.009954	-12.844	2.65E-07	84.099	0.008146
1308	1.270	0.004071	-0.009954	-19.193	2.65E-07	63.757	-0.004496
1309	0	0.001152	-0.010173	-19.002	-7.54E-09	63.745	0.005599
1309	1.270	0.001152	-0.010173	-25.352	-7.54E-09	35.582	-0.007321
1310	0	-0.004959	-0.005593	-25.033	-1.68E-06	35.555	0.000774
1310	1.270	-0.004959	-0.005593	-31.383	-1.68E-06	-0.268319	-0.006329
1401	0	0.001045	0.013663	31.772	-0.050177	0.018237	-0.011382
1401	1.270	0.001045	0.013663	25.422	-0.050177	36.335	0.005970
1402	0	0.000987	0.014446	25.435	-0.060054	36.354	-0.008285
1402	1.270	0.000987	0.014446	19.086	-0.060054	64.624	0.010060
1403	0	-0.000906	0.010556	19.102	-0.064088	64.646	-0.002788
1403	1.270	-0.000906	0.010556	12.752	-0.064088	84.873	0.010618
1404	0	-0.002830	0.006649	12.770	-0.067423	84.899	0.000958
1404	1.270	-0.002830	0.006649	6.421	-0.067423	97.085	0.009403
1405	0	-0.003851	0.003347	6.433	-0.069993	97.119	0.003581
1405	1.270	-0.003851	0.003347	0.082868	-0.069993	101.256	0.007831
1406	0	-0.003790	0.000296	0.075761	-0.070684	101.300	0.006130
1406	1.270	-0.003790	0.000296	-6.274	-0.070684	97.364	0.006506
1407	0	-0.002848	-0.003229	-6.327	-0.067789	97.423	0.009350
1407	1.270	-0.002848	-0.003229	-12.676	-0.067789	85.356	0.005249
1408	0	-0.001686	-0.009019	-12.799	-0.057626	85.433	0.013525
1408	1.270	-0.001686	-0.009019	-19.149	-0.057626	65.147	0.002070
1409	0	-0.001998	-0.013428	-19.375	-0.027915	65.243	0.016921
1409	1.270	-0.001998	-0.013428	-25.725	-0.027915	36.605	-0.007751
1410	0	-0.006991	-0.031442	-26.059	0.069769	36.717	0.013136
1410	1.270	-0.006991	-0.031442	-32.409	0.069769	-0.409211	-0.026794
1501	0	-0.005707	-0.018885	31.664	-0.040577	-0.035913	-0.008674
1501	1.270	-0.005707	-0.018885	25.314	-0.040577	36.144	-0.032657
1502	0	-0.012282	-0.020824	25.310	-0.052173	36.107	-0.041534
1502	1.270	-0.012282	-0.020824	18.961	-0.052173	64.218	-0.067979
1503	0	-0.016967	-0.015366	18.965	-0.060300	64.179	-0.073700
1503	1.270	-0.016967	-0.015366	12.615	-0.060300	84.231	-0.093214

1504	0	-0.020164	-0.008644	12.625	-0.070384	84.187	-0.096881
1504	1.270	-0.020164	-0.008644	6.275	-0.070384	96.188	-0.107859
1505	0	-0.022156	-0.002170	6.296	-0.083854	96.137	-0.110102
1505	1.270	-0.022156	-0.002170	-0.054119	-0.083854	100.100	-0.112858
1506	0	-0.022926	0.004046	-0.021056	-0.101281	100.040	-0.113713
1506	1.270	-0.022926	0.004046	-6.371	-0.101281	95.981	-0.108575
1507	0	-0.022220	0.010129	-6.316	-0.123197	95.911	-0.107745
1507	1.270	-0.022220	0.010129	-12.666	-0.123197	83.858	-0.094882
1508	0	-0.019384	0.015921	-12.577	-0.151509	83.777	-0.091555
1508	1.270	-0.019384	0.015921	-18.927	-0.151509	63.772	-0.071336
1509	0	-0.013022	0.019446	-18.798	-0.194670	63.680	-0.063531
1509	1.270	-0.013022	0.019446	-25.148	-0.194670	35.775	-0.038835
1510	0	-0.001250	0.011712	-24.973	-0.284573	35.674	-0.023255
1510	1.270	-0.001250	0.011712	-31.323	-0.284573	-0.072397	-0.008382
2101	0	-0.048539	-0.072429	34.197	-0.226913	-0.166904	0.046150
2101	1.390	-0.048539	-0.072429	27.247	-0.226913	42.535	-0.054523
2102	0	-0.057004	-0.038643	27.443	-0.133593	42.606	-0.042739
2102	1.390	-0.057004	-0.038643	20.493	-0.133593	75.920	-0.096451
2103	0	-0.062741	-0.021564	20.637	-0.084171	75.977	-0.088572
2103	1.390	-0.062741	-0.021564	13.687	-0.084171	99.831	-0.118545
2104	0	-0.064797	-0.011858	13.788	-0.044999	99.869	-0.115749
2104	1.390	-0.064797	-0.011858	6.838	-0.044999	114.203	-0.132231
2105	0	-0.065956	-0.004742	6.913	-0.007886	114.218	-0.130737
2105	1.390	-0.065956	-0.004742	-0.037166	-0.007886	118.996	-0.137328
2106	0	-0.068411	0.001225	0.030172	0.029280	118.989	-0.134457
2106	1.390	-0.068411	0.001225	-6.920	0.029280	114.201	-0.132754
2107	0	-0.073510	0.006682	-6.839	0.067667	114.170	-0.126927
2107	1.390	-0.073510	0.006682	-13.789	0.067667	99.833	-0.117639
2108	0	-0.082040	0.011094	-13.680	0.109600	99.779	-0.107662
2108	1.390	-0.082040	0.011094	-20.629	0.109600	75.936	-0.092243
2109	0	-0.093866	0.008837	-20.468	0.164617	75.861	-0.077360
2109	1.390	-0.093866	0.008837	-27.418	0.164617	42.582	-0.065077
2110	0	-0.102735	-0.010856	-27.199	0.272860	42.491	-0.053047
2110	1.390	-0.102735	-0.010856	-34.149	0.272860	-0.143926	-0.068136
2201	0	-0.108892	-0.011868	35.438	0.123386	-0.502877	0.019197
2201	1.390	-0.108892	-0.011868	28.489	0.123386	43.924	0.002701
2202	0	-0.098788	-0.009221	28.132	0.026791	43.821	0.009332
2202	1.390	-0.098788	-0.009221	21.182	0.026791	78.093	-0.003485
2203	0	-0.091230	-0.001685	20.968	0.004062	78.013	0.001133
2203	1.390	-0.091230	-0.001685	14.018	0.004062	102.327	-0.001210
2204	0	-0.087256	0.001594	13.927	0.001432	102.276	-0.000393
2204	1.390	-0.087256	0.001594	6.977	0.001432	116.805	0.001823
2205	0	-0.085259	-0.000173	6.961	0.005651	116.782	0.002671
2205	1.390	-0.085259	-0.000173	0.011541	0.005651	121.627	0.002430
2206	0	-0.084204	-0.005068	0.016101	0.011523	121.632	0.007165
2206	1.390	-0.084204	-0.005068	-6.934	0.011523	116.825	0.000120
2207	0	-0.083319	-0.012082	-6.958	0.015028	116.859	0.011096
2207	1.390	-0.083319	-0.012082	-13.908	0.015028	102.358	-0.005698
2208	0	-0.081358	-0.019903	-14.016	0.010728	102.423	0.011581
2208	1.390	-0.081358	-0.019903	-20.966	0.010728	78.111	-0.016084
2209	0	-0.075932	-0.020474	-21.212	-0.015761	78.207	0.003073
2209	1.390	-0.075932	-0.020474	-28.162	-0.015761	43.894	-0.025386
2210	0	-0.068248	0.005418	-28.566	-0.122912	44.015	-0.017691
2210	1.390	-0.068248	0.005418	-35.516	-0.122912	-0.520194	-0.010161
2301	0	-0.114630	0.009119	34.480	-1.07E-06	-0.325587	-0.011498
2301	1.390	-0.114630	0.009119	27.530	-1.07E-06	42.770	0.001177
2302	0	-0.108079	0.012544	27.851	5.02E-07	42.841	-0.009575
2302	1.390	-0.108079	0.012544	20.902	5.02E-07	76.723	0.007861
2303	0	-0.099397	0.011238	21.040	7.08E-07	76.775	-0.005798
2303	1.390	-0.099397	0.011238	14.090	7.08E-07	101.189	0.009823
2304	0	-0.093406	0.007196	14.070	6.97E-07	101.222	-0.001245
2304	1.390	-0.093406	0.007196	7.120	6.97E-07	115.949	0.008758
2305	0	-0.089916	0.002331	7.004	6.59E-07	115.966	0.002879
2305	1.390	-0.089916	0.002331	0.054164	6.59E-07	120.871	0.006118
2306	0	-0.087293	-0.002648	-0.093078	6.26E-07	120.876	0.006320
2306	1.390	-0.087293	-0.002648	-7.043	6.26E-07	115.917	0.002639
2307	0	-0.084367	-0.007537	-7.153	6.03E-07	115.908	0.008907
2307	1.390	-0.084367	-0.007537	-14.102	6.03E-07	101.136	-0.001570
2308	0	-0.081357	-0.011507	-14.109	5.79E-07	101.110	0.009811
2308	1.390	-0.081357	-0.011507	-21.059	5.79E-07	76.670	-0.006183
2309	0	-0.081072	-0.012250	-20.889	4.87E-07	76.621	0.007600
2309	1.390	-0.081072	-0.012250	-27.839	4.87E-07	42.757	-0.009127
2310	0	-0.088712	-0.007208	-27.469	-7.63E-08	42.687	0.001406
2310	1.390	-0.088712	-0.007208	-34.419	-7.63E-08	-0.322939	-0.008613
2401	0	-0.126141	0.036363	35.438	-0.123387	-0.502691	-0.048598
2401	1.390	-0.126141	0.036363	28.488	-0.123387	43.924	0.001946
2402	0	-0.110859	0.038059	28.132	-0.026790	43.821	-0.030807
2402	1.390	-0.110859	0.038059	21.182	-0.026790	78.093	0.022092
2403	0	-0.103952	0.022536	20.968	-0.004061	78.013	-0.009732

2403	1.390	-0.103952	0.022536	14.018	-0.004061	102.327	0.021592
2404	0	-0.102469	0.010279	13.927	-0.001431	102.276	0.000832
2404	1.390	-0.102469	0.010279	6.977	-0.001431	116.805	0.015119
2405	0	-0.102099	0.003888	6.961	-0.005650	116.782	0.004140
2405	1.390	-0.102099	0.003888	0.011559	-0.005650	121.627	0.009543
2406	0	-0.100965	0.000905	0.016084	-0.011522	121.632	0.005119
2406	1.390	-0.100965	0.000905	-6.934	-0.011522	116.825	0.006376
2407	0	-0.098313	-0.000221	-6.958	-0.015026	116.859	0.006153
2407	1.390	-0.098313	-0.000221	-13.908	-0.015026	102.358	0.005846
2408	0	-0.093820	-0.001400	-14.016	-0.010727	102.423	0.009164
2408	1.390	-0.093820	-0.001400	-20.966	-0.010727	78.111	0.007218
2409	0	-0.088034	-0.008988	-21.212	0.015762	78.207	0.016068
2409	1.390	-0.088034	-0.008988	-28.162	0.015762	43.894	0.003576
2410	0	-0.086346	-0.030621	-28.566	0.122913	44.015	0.023304
2410	1.390	-0.086346	-0.030621	-35.516	0.122913	-0.520097	-0.019258
2501	0	-0.051125	0.038377	34.197	0.226914	-0.166900	-0.083139
2501	1.390	-0.051125	0.038377	27.247	0.226914	42.535	-0.029797
2502	0	-0.074598	-0.003177	27.443	0.133593	42.605	-0.061837
2502	1.390	-0.074598	-0.003177	20.493	0.133593	75.920	-0.066253
2503	0	-0.092007	-0.010963	20.637	0.084172	75.977	-0.088452
2503	1.390	-0.092007	-0.010963	13.687	0.084172	99.831	-0.103690
2504	0	-0.101400	-0.007649	13.787	0.044999	99.869	-0.114957
2504	1.390	-0.101400	-0.007649	6.838	0.044999	114.203	-0.125589
2505	0	-0.106096	-0.001743	6.913	0.007887	114.218	-0.131088
2505	1.390	-0.106096	-0.001743	-0.036493	0.007887	118.997	-0.133510
2506	0	-0.108455	0.005149	0.030069	-0.029279	118.989	-0.136271
2506	1.390	-0.108455	0.005149	-6.920	-0.029279	114.201	-0.129115
2507	0	-0.109818	0.012720	-6.840	-0.067666	114.170	-0.130708
2507	1.390	-0.109818	0.012720	-13.790	-0.067666	99.833	-0.113028
2508	0	-0.110753	0.021277	-13.679	-0.109599	99.779	-0.114222
2508	1.390	-0.110753	0.021277	-20.629	-0.109599	75.936	-0.084648
2509	0	-0.110425	0.032436	-20.469	-0.164616	75.861	-0.084585
2509	1.390	-0.110425	0.032436	-27.418	-0.164616	42.581	-0.039501
2510	0	-0.103286	0.042829	-27.199	-0.272858	42.491	-0.029940
2510	1.390	-0.103286	0.042829	-34.149	-0.272858	-0.143921	0.029590
3101	0	-0.212179	-0.105084	40.392	-0.268583	-0.272162	0.085187
3101	1.640	-0.212179	-0.105084	32.193	-0.268583	59.245	-0.087144
3102	0	-0.233973	-0.049194	32.442	-0.162453	59.363	-0.057094
3102	1.640	-0.233973	-0.049194	24.242	-0.162453	105.842	-0.137769
3103	0	-0.245945	-0.026410	24.407	-0.106772	105.936	-0.121924
3103	1.640	-0.245945	-0.026410	16.207	-0.106772	139.238	-0.165235
3104	0	-0.249053	-0.013976	16.307	-0.061880	139.302	-0.161181
3104	1.640	-0.249053	-0.013976	8.107	-0.061880	159.321	-0.184100
3105	0	-0.249182	-0.004404	8.172	-0.020297	159.353	-0.183782
3105	1.640	-0.249182	-0.004404	-0.027402	-0.020297	166.032	-0.191004
3106	0	-0.249182	0.004403	0.027777	0.020297	166.032	-0.191004
3106	1.640	-0.249182	0.004403	-8.172	0.020297	159.354	-0.183783
3107	0	-0.249053	0.013977	-8.108	0.061879	159.322	-0.184101
3107	1.640	-0.249053	0.013977	-16.308	0.061879	139.301	-0.161180
3108	0	-0.245945	0.026409	-16.206	0.106771	139.237	-0.165235
3108	1.640	-0.245945	0.026409	-24.406	0.106771	105.937	-0.121926
3109	0	-0.233973	0.049194	-24.242	0.162453	105.843	-0.137769
3109	1.640	-0.233973	0.049194	-32.442	0.162453	59.364	-0.057094
3110	0	-0.212179	0.105084	-32.193	0.268584	59.246	-0.087144
3110	1.640	-0.212179	0.105084	-40.392	0.268584	-0.271626	0.085186
3201	0	-0.368271	-0.017820	41.731	0.095462	-0.795451	0.032098
3201	1.640	-0.368271	-0.017820	33.531	0.095462	60.917	0.002875
3202	0	-0.343432	-0.017494	33.076	-0.009880	60.772	0.020179
3202	1.640	-0.343432	-0.017494	24.876	-0.009880	108.291	-0.008509
3203	0	-0.329329	-0.003500	24.638	-0.027716	108.183	0.003077
3203	1.640	-0.329329	-0.003500	16.438	-0.027716	141.864	-0.002663
3204	0	-0.323075	0.002504	16.364	-0.022627	141.797	-0.001504
3204	1.640	-0.323075	0.002504	8.164	-0.022627	161.905	0.002603
3205	0	-0.320614	0.001526	8.179	-0.008466	161.877	0.000627
3205	1.640	-0.320614	0.001526	-0.020778	-0.008466	168.566	0.003130
3206	0	-0.320614	-0.001526	0.021047	0.008466	168.566	0.003130
3206	1.640	-0.320614	-0.001526	-8.179	0.008466	161.877	0.000627
3207	0	-0.323075	-0.002504	-8.164	0.022627	161.909	0.002603
3207	1.640	-0.323075	-0.002504	-16.364	0.022627	141.796	-0.001504
3208	0	-0.329329	0.003500	-16.439	0.027716	141.864	-0.002663
3208	1.640	-0.329329	0.003500	-24.638	0.027716	108.183	0.003077
3209	0	-0.343432	0.017493	-24.876	0.009880	108.291	-0.008509
3209	1.640	-0.343432	0.017493	-33.075	0.009880	60.773	0.020179
3210	0	-0.368270	0.017820	-33.531	-0.095462	60.917	0.002875
3210	1.640	-0.368270	0.017820	-41.730	-0.095462	-0.794738	0.032099
3301	0	-0.373021	0.012440	40.753	-7.71E-07	-0.585886	-0.013711
3301	1.640	-0.373021	0.012440	32.554	-7.71E-07	59.523	0.006690
3302	0	-0.360720	0.016562	32.964	1.32E-07	59.587	-0.013456
3302	1.640	-0.360720	0.016562	24.764	1.32E-07	106.923	0.013704

3303	0	-0.344532	0.014080	24.911	1.76E-07	106.958	-0.008986
3303	1.640	-0.344532	0.014080	16.711	1.76E-07	141.087	0.014105
3304	0	-0.335480	0.008736	16.657	1.11E-07	141.100	-0.003220
3304	1.640	-0.335480	0.008736	8.457	1.11E-07	161.692	0.011105
3305	0	-0.332220	0.002905	8.296	3.66E-08	161.694	0.002074
3305	1.640	-0.332220	0.002905	0.096357	3.66E-08	168.576	0.006838
3306	0	-0.332220	-0.002905	-0.096092	-3.66E-08	168.576	0.006838
3306	1.640	-0.332220	-0.002905	-8.296	-3.66E-08	161.695	0.002074
3307	0	-0.335480	-0.008736	-8.457	-1.11E-07	161.692	0.011105
3307	1.640	-0.335480	-0.008736	-16.657	-1.11E-07	141.099	-0.003220
3308	0	-0.344532	-0.014080	-16.711	-1.76E-07	141.087	0.014105
3308	1.640	-0.344532	-0.014080	-24.911	-1.76E-07	106.958	-0.008986
3309	0	-0.360720	-0.016562	-24.765	-1.32E-07	106.923	0.013704
3309	1.640	-0.360720	-0.016562	-32.964	-1.32E-07	59.587	-0.013456
3310	0	-0.373021	-0.012440	-32.553	7.71E-07	59.523	0.006690
3310	1.640	-0.373021	-0.012440	-40.753	7.71E-07	-0.585255	-0.013711
3401	0	-0.387355	0.050585	41.731	-0.095463	-0.795391	-0.068699
3401	1.640	-0.387355	0.050585	33.531	-0.095463	60.917	0.014257
3402	0	-0.357796	0.052066	33.076	0.009880	60.772	-0.047655
3402	1.640	-0.357796	0.052066	24.876	0.009880	108.291	0.037729
3403	0	-0.348000	0.027719	24.638	0.027716	108.183	-0.016021
3403	1.640	-0.348000	0.027719	16.438	0.027716	141.864	0.029435
3404	0	-0.347020	0.011639	16.365	0.022627	141.796	-0.001359
3404	1.640	-0.347020	0.011639	8.165	0.022627	161.909	0.017727
3405	0	-0.347519	0.003166	8.179	0.008466	161.877	0.004722
3405	1.640	-0.347519	0.003166	-0.020727	0.008466	168.566	0.009913
3406	0	-0.347519	-0.003165	0.020062	-0.008466	168.567	0.009913
3406	1.640	-0.347519	-0.003165	-8.180	-0.008466	161.876	0.004722
3407	0	-0.347020	-0.011638	-8.164	-0.022627	161.909	0.017727
3407	1.640	-0.347020	-0.011638	-16.364	-0.022627	141.796	-0.001359
3408	0	-0.348000	-0.027718	-16.438	-0.027716	141.864	0.029435
3408	1.640	-0.348000	-0.027718	-24.637	-0.027716	108.183	-0.016021
3409	0	-0.357796	-0.052066	-24.876	-0.009880	108.291	0.037729
3409	1.640	-0.357796	-0.052066	-33.076	-0.009880	60.773	-0.047655
3410	0	-0.387354	-0.050585	-33.531	0.095463	60.917	0.014257
3410	1.640	-0.387354	-0.050585	-41.731	0.095463	-0.795083	-0.068699
3501	0	-0.213264	0.059880	40.392	0.268582	-0.272326	-0.126262
3501	1.640	-0.213264	0.059880	32.193	0.268582	59.245	-0.028063
3502	0	-0.258169	-0.001939	32.442	0.162453	59.363	-0.088812
3502	1.640	-0.258169	-0.001939	24.242	0.162453	105.842	-0.091992
3503	0	-0.286284	-0.011889	24.406	0.106771	105.937	-0.127144
3503	1.640	-0.286284	-0.011889	16.206	0.106771	139.237	-0.146641
3504	0	-0.299461	-0.008903	16.308	0.061879	139.301	-0.162185
3504	1.640	-0.299461	-0.008903	8.108	0.061879	159.321	-0.176786
3505	0	-0.304554	-0.003192	8.172	0.020297	159.353	-0.182730
3505	1.640	-0.304554	-0.003192	-0.027403	0.020297	166.032	-0.187965
3506	0	-0.304554	0.003192	0.026791	-0.020296	166.032	-0.187965
3506	1.640	-0.304554	0.003192	-8.173	-0.020296	159.353	-0.182730
3507	0	-0.299461	0.008902	-8.107	-0.061879	159.321	-0.176785
3507	1.640	-0.299461	0.008902	-16.307	-0.061879	139.302	-0.162186
3508	0	-0.286284	0.011889	-16.207	-0.106771	139.238	-0.146642
3508	1.640	-0.286284	0.011889	-24.406	-0.106771	105.937	-0.127145
3509	0	-0.258169	0.001939	-24.242	-0.162453	105.842	-0.091993
3509	1.640	-0.258169	0.001939	-32.442	-0.162453	59.364	-0.088812
3510	0	-0.213265	-0.059879	-32.193	-0.268583	59.246	-0.028064
3510	1.640	-0.213265	-0.059879	-40.393	-0.268583	-0.271844	-0.126262
4101	0	-0.102735	0.010855	34.149	-0.272860	-0.144801	-0.068135
4101	1.390	-0.102735	0.010855	27.199	-0.272860	42.490	-0.053047
4102	0	-0.093866	-0.008838	27.418	-0.164617	42.581	-0.065076
4102	1.390	-0.093866	-0.008838	20.469	-0.164617	75.861	-0.077360
4103	0	-0.082040	-0.011093	20.629	-0.109600	75.935	-0.092242
4103	1.390	-0.082040	-0.011093	13.679	-0.109600	99.779	-0.107662
4104	0	-0.073511	-0.006683	13.790	-0.067667	99.833	-0.117638
4104	1.390	-0.073511	-0.006683	6.840	-0.067667	114.170	-0.126927
4105	0	-0.068411	-0.001224	6.919	-0.029280	114.201	-0.132755
4105	1.390	-0.068411	-0.001224	-0.030562	-0.029280	118.988	-0.134457
4106	0	-0.065957	0.004742	0.036952	0.007886	118.996	-0.137328
4106	1.390	-0.065957	0.004742	-6.913	0.007886	114.218	-0.130737
4107	0	-0.064798	0.011858	-6.838	0.044998	114.203	-0.132231
4107	1.390	-0.064798	0.011858	-13.787	0.044998	99.869	-0.115750
4108	0	-0.062742	0.021564	-13.687	0.084171	99.832	-0.118545
4108	1.390	-0.062742	0.021564	-20.637	0.084171	75.978	-0.088573
4109	0	-0.057005	0.038644	-20.494	0.133593	75.921	-0.096452
4109	1.390	-0.057005	0.038644	-27.443	0.133593	42.606	-0.042739
4110	0	-0.048540	0.072430	-27.247	0.226913	42.535	-0.054524
4110	1.390	-0.048540	0.072430	-34.196	0.226913	-0.166303	0.046150
4201	0	-0.068250	-0.005417	35.516	0.122912	-0.520327	-0.010161
4201	1.390	-0.068250	-0.005417	28.566	0.122912	44.015	-0.017691

4202	0	-0.075933	0.020474	28.161	0.015761	43.894	-0.025386
4202	1.390	-0.075933	0.020474	21.212	0.015761	78.207	0.003073
4203	0	-0.081359	0.019903	20.966	-0.010728	78.111	-0.016084
4203	1.390	-0.081359	0.019903	14.017	-0.010728	102.423	0.011581
4204	0	-0.083320	0.012082	13.908	-0.015028	102.358	-0.005698
4204	1.390	-0.083320	0.012082	6.958	-0.015028	116.859	0.011096
4205	0	-0.084204	0.005068	6.934	-0.011523	116.825	0.000120
4205	1.390	-0.084204	0.005068	-0.015845	-0.011523	121.633	0.007165
4206	0	-0.085260	0.000173	-0.011145	-0.005651	121.627	0.002430
4206	1.390	-0.085260	0.000173	-6.961	-0.005651	116.782	0.002671
4207	0	-0.087256	-0.001594	-6.977	-0.001432	116.805	0.001823
4207	1.390	-0.087256	-0.001594	-13.927	-0.001432	102.276	-0.000392
4208	0	-0.091231	0.001686	-14.019	-0.004062	102.328	-0.001210
4208	1.390	-0.091231	0.001686	-20.968	-0.004062	78.013	0.001133
4209	0	-0.098789	0.009221	-21.182	-0.026791	78.093	-0.003485
4209	1.390	-0.098789	0.009221	-28.131	-0.026791	43.822	0.009332
4210	0	-0.108893	0.011868	-28.489	-0.123386	43.925	0.002701
4210	1.390	-0.108893	0.011868	-35.438	-0.123386	-0.502656	0.019198
4301	0	-0.088713	0.007208	34.418	7.62E-08	-0.322954	-0.008613
4301	1.390	-0.088713	0.007208	27.469	7.62E-08	42.687	0.001406
4302	0	-0.081073	0.012250	27.839	-4.87E-07	42.757	-0.009427
4302	1.390	-0.081073	0.012250	20.889	-4.87E-07	76.622	0.007600
4303	0	-0.081358	0.011507	21.058	-5.79E-07	76.670	-0.006183
4303	1.390	-0.081358	0.011507	14.108	-5.79E-07	101.110	0.009811
4304	0	-0.084368	0.007538	14.103	-6.03E-07	101.136	-0.001570
4304	1.390	-0.084368	0.007538	7.153	-6.03E-07	115.908	0.008907
4305	0	-0.087294	0.002648	7.042	-6.26E-07	115.917	0.002639
4305	1.390	-0.087294	0.002648	0.092528	-6.26E-07	120.876	0.006320
4306	0	-0.089917	-0.002331	-0.053766	-6.59E-07	120.871	0.006119
4306	1.390	-0.089917	-0.002331	-7.003	-6.59E-07	115.966	0.002879
4307	0	-0.093407	-0.007196	-7.120	-6.97E-07	115.948	0.008758
4307	1.390	-0.093407	-0.007196	-14.070	-6.97E-07	101.222	-0.001245
4308	0	-0.099398	-0.011238	-14.091	-7.08E-07	101.190	0.009823
4308	1.390	-0.099398	-0.011238	-21.040	-7.08E-07	76.775	-0.005798
4309	0	-0.108080	-0.012544	-20.902	-5.02E-07	76.723	0.007861
4309	1.390	-0.108080	-0.012544	-27.851	-5.02E-07	42.841	-0.009575
4310	0	-0.114631	-0.009119	-27.531	1.07E-06	42.771	0.001177
4310	1.390	-0.114631	-0.009119	-34.480	1.07E-06	-0.325396	-0.011498
4401	0	-0.086347	0.030620	35.516	-0.122913	-0.520251	-0.019257
4401	1.390	-0.086347	0.030620	28.566	-0.122913	44.015	0.023304

4402	0	-0.088034	0.008988	28.161	-0.015762	43.894	0.003576
4402	1.390	-0.088034	0.008988	21.212	-0.015762	78.207	0.016068
4403	0	-0.093821	0.001400	20.966	0.010727	78.111	0.007218
4403	1.390	-0.093821	0.001400	14.017	0.010727	102.423	0.009163
4404	0	-0.098314	0.000221	13.908	0.015027	102.358	0.005846
4404	1.390	-0.098314	0.000221	6.958	0.015027	116.859	0.006153
4405	0	-0.100966	-0.000905	6.934	0.011522	116.825	0.006376
4405	1.390	-0.100966	-0.000905	-0.015828	0.011522	121.633	0.005119
4406	0	-0.102100	-0.003888	-0.011162	0.005650	121.627	0.009544
4406	1.390	-0.102100	-0.003888	-6.961	0.005650	116.782	0.004140
4407	0	-0.102470	-0.010279	-6.977	0.001431	116.805	0.015119
4407	1.390	-0.102470	-0.010279	-13.927	0.001431	102.276	0.000832
4408	0	-0.103953	-0.022536	-14.019	0.004061	102.328	0.021592
4408	1.390	-0.103953	-0.022536	-20.968	0.004061	78.013	-0.009732
4409	0	-0.110860	-0.038059	-21.182	0.026791	78.093	0.022092
4409	1.390	-0.110860	-0.038059	-28.131	0.026791	43.822	-0.030807
4410	0	-0.126141	-0.036364	-28.489	0.123387	43.925	0.001946
4410	1.390	-0.126141	-0.036364	-35.438	0.123387	-0.502598	-0.048598
4501	0	-0.103287	-0.042828	34.149	0.272858	-0.144789	0.029590
4501	1.390	-0.103287	-0.042828	27.199	0.272858	42.490	-0.029939
4502	0	-0.110426	-0.032436	27.418	0.164616	42.581	-0.039500
4502	1.390	-0.110426	-0.032436	20.469	0.164616	75.861	-0.084584
4503	0	-0.110753	-0.021278	20.629	0.109600	75.935	-0.064647
4503	1.390	-0.110753	-0.021278	13.679	0.109600	99.779	-0.114222
4504	0	-0.109818	-0.012719	13.789	0.067667	99.833	-0.113028
4504	1.390	-0.109818	-0.012719	6.839	0.067667	114.169	-0.130707
4505	0	-0.108456	-0.005148	6.919	0.029279	114.201	-0.129115
4505	1.390	-0.108456	-0.005148	-0.030459	0.029279	118.988	-0.136271
4506	0	-0.106097	0.001741	0.037900	-0.007887	118.996	-0.133509
4506	1.390	-0.106097	0.001741	-6.912	-0.007887	114.219	-0.131089
4507	0	-0.101400	0.007650	-6.838	-0.044999	114.203	-0.125589
4507	1.390	-0.101400	0.007650	-13.788	-0.044999	99.869	-0.114956
4508	0	-0.092007	0.010963	-13.687	-0.084171	99.832	-0.103690
4508	1.390	-0.092007	0.010963	-20.636	-0.084171	75.978	-0.088453
4509	0	-0.074599	0.003177	-20.494	-0.133593	75.921	-0.066254
4509	1.390	-0.074599	0.003177	-27.444	-0.133593	42.606	-0.061837
4510	0	-0.051126	-0.038377	-27.246	-0.226914	42.535	-0.029798
4510	1.390	-0.051126	-0.038377	-34.196	-0.226914	-0.166234	-0.083139
5101	0	0.003478	-0.015406	31.323	-0.284573	-0.072341	-0.028265

5101	1.270	0.003478	-0.015406	24.973	-0.284573	35.674	-0.047830
5102	0	0.004403	-0.017103	25.147	-0.194670	35.775	-0.049240
5102	1.270	0.004403	-0.017103	18.798	-0.194670	63.679	-0.070960
5103	0	0.008399	-0.013614	18.928	-0.151509	63.771	-0.075996
5103	1.270	0.008399	-0.013614	12.578	-0.151509	83.777	-0.093285
5104	0	0.012333	-0.007645	12.665	-0.123197	83.858	-0.097860
5104	1.270	0.012333	-0.007645	6.315	-0.123197	95.910	-0.107568
5105	0	0.015235	-0.001565	6.370	-0.101281	95.981	-0.110844
5105	1.270	0.015235	-0.001565	0.020713	-0.101281	100.039	-0.112831
5106	0	0.016717	0.004299	0.055133	-0.083854	100.099	-0.114503
5106	1.270	0.016717	0.004299	-6.295	-0.083854	96.137	-0.109043
5107	0	0.016647	0.010309	-6.276	-0.070384	96.188	-0.108981
5107	1.270	0.016647	0.010309	-12.626	-0.070384	84.186	-0.095889
5108	0	0.014965	0.016619	-12.615	-0.060301	84.230	-0.093951
5108	1.270	0.014965	0.016619	-18.965	-0.060301	64.178	-0.072846
5109	0	0.011416	0.021739	-18.961	-0.052173	64.218	-0.068420
5109	1.270	0.011416	0.021739	-25.310	-0.052173	36.107	-0.040812
5110	0	0.005636	0.019444	-25.314	-0.040578	36.144	-0.032828
5110	1.270	0.005636	0.019444	-31.664	-0.040578	-0.036144	-0.008135
5201	0	0.010811	-0.009509	32.409	0.069771	-0.409439	0.001522
5201	1.270	0.010811	-0.009509	26.060	0.069771	36.717	-0.010553
5202	0	0.010554	0.007357	25.725	-0.027915	36.605	-0.010913
5202	1.270	0.010554	0.007357	19.375	-0.027915	65.242	-0.001569
5203	0	0.009688	0.010970	19.149	-0.057626	65.147	-0.008724
5203	1.270	0.009688	0.010970	12.799	-0.057626	85.433	0.005207
5204	0	0.009259	0.008342	12.676	-0.067789	85.357	-0.003041
5204	1.270	0.009259	0.008342	6.326	-0.067789	97.422	0.007553
5205	0	0.008608	0.004231	6.275	-0.070684	97.363	0.001653
5205	1.270	0.008608	0.004231	-0.074661	-0.070684	101.300	0.007026
5206	0	0.007308	5.56E-05	-0.083723	-0.069993	101.256	0.005099
5206	1.270	0.007308	5.56E-05	-6.433	-0.069993	97.118	0.005169
5207	0	0.005214	-0.004125	-6.421	-0.067424	97.085	0.007766
5207	1.270	0.005214	-0.004125	-12.770	-0.067424	84.899	0.002528
5208	0	0.002491	-0.008650	-12.752	-0.064088	84.872	0.009600
5208	1.270	0.002491	-0.008650	-19.102	-0.064088	64.646	-0.001385
5209	0	2.75E-05	-0.013043	-19.085	-0.060055	64.624	0.009502
5209	1.270	2.75E-05	-0.013043	-25.435	-0.060055	36.355	-0.007062
5210	0	-0.000404	-0.012837	-25.422	-0.050177	36.335	0.005812
5210	1.270	-0.000404	-0.012837	-31.771	-0.050177	0.018659	-0.010490

5301	0	-0.004958	0.005593	31.383	1.68E-06	-0.268535	-0.006329
5301	1.270	-0.004958	0.005593	25.033	1.68E-06	35.554	0.000774
5302	0	0.001153	0.010173	25.352	7.54E-09	35.582	-0.007321
5302	1.270	0.001153	0.010173	19.002	7.54E-09	63.745	0.005599
5303	0	0.004071	0.009954	19.194	-2.65E-07	63.756	-0.004496
5303	1.270	0.004071	0.009954	12.844	-2.65E-07	84.099	0.008146
5304	0	0.004565	0.006609	12.915	-2.73E-07	84.092	-0.000252
5304	1.270	0.004565	0.006609	6.565	-2.73E-07	96.461	0.008141
5305	0	0.003962	0.002085	6.555	-2.32E-07	96.440	0.003724
5305	1.270	0.003962	0.002085	0.205505	-2.32E-07	100.733	0.006371
5306	0	0.003072	-0.002770	0.153292	-1.88E-07	100.702	0.006989
5306	1.270	0.003072	-0.002770	-6.196	-1.88E-07	96.864	0.003471
5307	0	0.002222	-0.007771	-6.260	-1.51E-07	96.828	0.009400
5307	1.270	0.002222	-0.007771	-12.610	-1.51E-07	84.846	-0.000469
5308	0	0.001507	-0.012371	-12.669	-1.23E-07	84.806	0.010322
5308	1.270	0.001507	-0.012371	-19.018	-1.23E-07	64.686	-0.005388
5309	0	0.000940	-0.014666	-19.061	-1.03E-07	64.646	0.008627
5309	1.270	0.000940	-0.014666	-25.411	-1.03E-07	36.407	-0.009998
5310	0	0.000519	-0.011421	-25.431	-8.09E-08	36.367	0.003970
5310	1.270	0.000519	-0.011421	-31.780	-8.09E-08	0.039238	-0.010534
5401	0	-0.006991	0.031442	32.409	-0.069769	-0.409365	-0.026793
5401	1.270	-0.006991	0.031442	26.059	-0.069769	36.717	0.013136
5402	0	-0.001998	0.019427	25.725	0.027915	36.605	-0.007751
5402	1.270	-0.001998	0.019427	19.375	0.027915	65.242	0.016921
5403	0	-0.001686	0.009019	19.149	0.057626	65.146	0.002071
5403	1.270	-0.001686	0.009019	12.800	0.057626	85.433	0.013525
5404	0	-0.002848	0.003229	12.675	0.067789	85.357	0.005249
5404	1.270	-0.002848	0.003229	6.326	0.067789	97.422	0.009350
5405	0	-0.003789	-0.000296	6.275	0.070684	97.364	0.006506
5405	1.270	-0.003789	-0.000296	-0.074952	0.070684	101.300	0.006130
5406	0	-0.003851	-0.003347	-0.082871	0.069993	101.256	0.007831
5406	1.270	-0.003851	-0.003347	-6.433	0.069993	97.119	0.003581
5407	0	-0.002830	-0.006649	-6.421	0.067423	97.085	0.009403
5407	1.270	-0.002830	-0.006649	-12.771	0.067423	84.899	0.000958
5408	0	-0.000906	-0.010556	-12.752	0.064088	84.872	0.010618
5408	1.270	-0.000906	-0.010556	-19.101	0.064088	64.646	-0.002788
5409	0	0.000987	-0.014446	-19.085	0.060054	64.624	0.010060
5409	1.270	0.000987	-0.014446	-25.435	0.060054	36.355	-0.008285
5410	0	0.001045	-0.013663	-25.422	0.050177	36.335	0.005970
5410	1.270	0.001045	-0.013663	-31.771	0.050177	0.018760	-0.011382

5501	0	-0.001250	-0.011712	31.323	0.284573	-0.072373	-0.008382
5501	1.270	-0.001250	-0.011712	24.973	0.284573	35.674	-0.023255
5502	0	-0.013022	-0.019446	25.147	0.194670	35.775	-0.038835
5502	1.270	-0.013022	-0.019446	18.798	0.194670	63.679	-0.063531
5503	0	-0.019384	-0.015922	18.927	0.151509	63.772	-0.071336
5503	1.270	-0.019384	-0.015922	12.578	0.151509	83.777	-0.091556
5504	0	-0.022220	-0.010127	12.665	0.123197	83.859	-0.094883
5504	1.270	-0.022220	-0.010127	6.315	0.123197	95.910	-0.107744
5505	0	-0.022926	-0.004047	6.371	0.101281	95.980	-0.108574
5505	1.270	-0.022926	-0.004047	0.021636	0.101281	100.040	-0.113713
5506	0	-0.022156	0.002169	0.054908	0.083854	100.099	-0.112857
5506	1.270	-0.022156	0.002169	-6.295	0.083854	96.137	-0.110102
5507	0	-0.020164	0.008645	-6.276	0.070384	96.188	-0.107859
5507	1.270	-0.020164	0.008645	-12.626	0.070384	84.186	-0.096880
5508	0	-0.016967	0.015366	-12.615	0.060300	84.231	-0.093214
5508	1.270	-0.016967	0.015366	-18.965	0.060300	64.178	-0.073700
5509	0	-0.012282	0.020824	-18.961	0.052173	64.218	-0.067979
5509	1.270	-0.012282	0.020824	-25.311	0.052173	36.107	-0.041533
5510	0	-0.006707	0.018885	-25.314	0.040577	36.144	-0.032657
5510	1.270	-0.006707	0.018885	-31.664	0.040577	-0.036188	-0.008674
11201	0	-31.113	0.062749	0.206563	0.070705	-0.178217	0.509319
11201	0.825	-31.113	0.062749	0.206563	0.070705	-0.007810	0.561085
11202	0	-33.954	0.061966	-0.283859	0.071051	0.246741	0.496448
11202	0.825	-33.954	0.061966	-0.283859	0.071051	0.012566	0.547568
11203	0	-0.212802	0.065289	-31.129	0.563502	-0.000187	-0.070704
11203	0.300	-0.212802	0.065289	-31.129	0.563502	-9.339	-0.051118
11204	0	-0.293842	-0.065294	-33.960	-0.550285	-0.000204	-0.071051
11204	0.300	-0.293842	-0.065294	-33.960	-0.550285	-10.186	-0.090638
11205	0	0.229408	-0.039363	7.72E-12	0.013598	9.27E-17	0.023008
11205	0.600	0.229408	-0.039363	7.72E-12	0.013598	4.63E-12	-0.000608
11208	0	-119.829	54.585	-0.254399	0.032883	1.645	-179.496
11208	4.500	-119.829	54.585	-0.254399	0.032883	0.500531	66.126
11209	0	-119.829	-54.585	-0.252059	-0.039600	1.642	179.496
11209	4.500	-119.829	-54.585	-0.252059	-0.039600	0.508232	-66.126
11210	0	-103.461	13.792	-0.173058	-0.015443	0.864260	-15.030
11210	4.500	-103.461	13.792	-0.173058	-0.015443	0.085532	47.033
11211	0	-103.461	-13.792	-0.168780	0.011144	0.854372	15.030
11211	4.500	-103.461	-13.792	-0.168780	0.011144	0.094890	-47.033
11259	0	-7.641	0.000443	-5.80E-06	0.002014	8.904	0.230829
11259	4.000	-7.641	0.000443	-5.80E-06	0.002014	8.904	0.232599
11260	0	3.788	0.227936	-166.299	-0.185367	139.193	-0.066314
11260	2.000	3.788	0.227936	-166.299	-0.185367	-193.391	0.389538
11261	0	3.788	-0.222480	166.299	0.189625	-193.392	0.369029
11261	2.000	3.788	-0.222480	166.299	0.189625	139.193	-0.075914
11270	0	-332.598	3.03E-05	-0.450415	-0.020510	0.374991	0.000307
11270	0.200	-332.598	3.03E-05	-0.450415	-0.020510	0.284912	0.000313
11271	0	-48.789	-0.028843	4.644	-0.149214	-7.818	0.694221
11271	4.924	-48.789	-0.028843	4.644	-0.149214	15.050	0.552191
11272	0	-48.789	0.027199	4.644	0.145176	-7.818	-0.699476
11272	4.924	-48.789	0.027199	4.644	0.145176	15.050	-0.565544
11273	0	-58.646	0.053700	-28.608	-0.128023	80.074	-0.336283
11273	6.021	-58.646	0.053700	-28.608	-0.128023	-92.162	-0.012979
11274	0	-58.646	-0.054878	-28.608	0.127450	80.074	0.350709
11274	6.021	-58.646	-0.054878	-28.608	0.127450	-92.162	0.020313
11281	0	-6.074	0.081040	-64.784	-0.835781	1.111	-0.219022
11281	2.310	-6.074	0.081040	-64.784	-0.835781	-148.512	-0.031855
11282	0	-10.391	0.177453	-133.268	-1.753	-149.452	-0.136612
11282	0.301	-10.391	0.177453	-133.268	-1.753	-189.548	-0.083222
11283	0	54.412	-0.077123	-13.846	-0.108830	-10.049	0.083873
11283	2.000	54.412	-0.077123	-13.846	-0.108830	-37.740	-0.070361
11284	0	54.412	0.074796	13.846	0.111654	-37.740	-0.069880
11284	2.000	54.412	0.074796	13.846	0.111654	-10.049	0.079707
11285	0	-10.391	-0.176980	133.270	1.752	-189.549	-0.094140
11285	0.301	-10.391	-0.176980	133.270	1.752	-149.452	-0.147388
11286	0	-6.074	-0.081030	64.784	0.835640	-148.512	-0.033424
11286	2.310	-6.074	-0.081030	64.784	0.835640	1.111	-0.220568
11301	0	-33.889	0.072726	0.273133	0.163068	-0.239373	0.586811
11301	0.825	-33.889	0.072726	0.273133	0.163068	-0.014047	0.646807
11302	0	-40.064	0.071271	-0.458391	0.165211	0.399513	0.594847
11302	0.825	-40.064	0.071271	-0.458391	0.165211	0.021356	0.653643
11303	0	-0.289901	0.074143	-33.879	0.649161	-0.000203	-0.163067
11303	0.300	-0.289901	0.074143	-33.879	0.649161	-10.163	-0.140825
11304	0	-0.480049	-0.074151	-40.051	-0.656278	-0.000240	-0.165212
11304	0.300	-0.480049	-0.074151	-40.051	-0.656278	-12.015	-0.187456
11305	0	0.220023	-0.082928	-8.77E-12	-0.007498	-1.05E-16	0.044727
11305	0.600	0.220023	-0.082928	-8.77E-12	-0.007498	-5.26E-12	-0.005028
11308	0	-136.424	62.094	-0.585113	0.064083	3.464	-204.181
11308	4.500	-136.424	62.094	-0.585113	0.064083	0.831497	75.232

11309	0	-136.424	-62.095	-0.583985	-0.067310	3.463	204.181
11309	4.500	-136.424	-62.095	-0.583985	-0.067310	0.835204	-75.233
.							
11310	0	-117.822	15.703	-0.414763	-0.027580	1.570	-17.113
11310	4.500	-117.822	15.703	-0.414763	-0.027580	-0.296647	53.547
.							
11311	0	-117.821	-15.703	-0.412688	0.025495	1.565	17.112
11311	4.500	-117.821	-15.703	-0.412688	0.025495	-0.292105	-53.548
.							
11359	0	-8.655	0.000221	0.000105	0.000978	10.127	0.442095
11359	4.000	-8.655	0.000221	0.000105	0.000978	10.127	0.442978
.							
11360	0	4.311	0.553704	-189.375	0.334811	158.504	-0.262467
11360	2.000	4.311	0.553704	-189.375	0.334811	-220.232	0.844396
.							
11361	0	4.311	-0.551058	189.374	-0.332746	-220.227	0.834947
11361	2.000	4.311	-0.551058	189.374	-0.332746	158.505	-0.267124
.							
11370	0	-378.749	-0.000439	-1.105	-0.009949	-0.667561	-0.004397
11370	0.200	-378.749	-0.000439	-1.105	-0.009949	-0.888505	-0.004485
.							
11371	0	-55.584	-0.032577	5.310	-0.288432	-8.961	1.314
11371	4.924	-55.584	-0.032577	5.310	-0.288432	17.187	1.154
.							
11372	0	-55.585	0.031759	5.310	0.286456	-8.961	-1.317
11372	4.924	-55.585	0.031759	5.310	0.286456	17.187	-1.160
.							
11373	0	-66.776	0.138370	-32.579	-0.191748	91.183	-0.608312
11373	6.021	-66.776	0.138370	-32.579	-0.191748	-104.959	0.224751
.							
11374	0	-66.776	-0.138941	-32.579	0.191470	91.183	0.615308
11374	6.021	-66.776	-0.138941	-32.579	0.191470	-104.959	-0.221191
.							
11381	0	-6.904	0.190149	-73.630	-1.815	1.302	-0.496152
11381	2.310	-6.904	0.190149	-73.630	-1.815	-168.752	-0.056991
.							
11382	0	-11.830	0.429610	-151.727	-3.693	-169.949	-0.303110
11382	0.301	-11.830	0.429610	-151.727	-3.693	-215.599	-0.173854
.							
11383	0	61.898	-0.155516	-15.765	-0.230951	-11.414	0.173028
11383	2.000	61.898	-0.155516	-15.765	-0.230951	-42.942	-0.137992
.							
11384	0	61.898	0.154393	15.765	0.232317	-42.943	-0.137671
11384	2.000	61.898	0.154393	15.765	0.232317	-11.414	0.171102
.							
11385	0	-11.830	-0.429636	151.732	3.693	-215.600	-0.178387
11385	0.301	-11.830	-0.429636	151.732	3.693	-169.948	-0.308251
.							
11386	0	-6.904	-0.190146	73.630	1.815	-168.751	-0.057191
11386	2.310	-6.904	-0.190146	73.630	1.815	1.302	-0.496347
.							
11401	0	-40.064	0.072056	0.451163	-0.165210	-0.396532	0.594523
11401	0.825	-40.064	0.072056	0.451163	-0.165210	-0.024338	0.653967
.							
11402	0	-33.889	0.071748	-0.281418	-0.163067	0.243750	0.587454
11402	0.825	-33.889	0.071748	-0.281418	-0.163067	0.011589	0.646644
.							
11403	0	-0.480049	0.074151	-40.082	0.656278	-0.000240	0.165210
11403	0.300	-0.480049	0.074151	-40.082	0.656278	-12.024	0.187455

.							
11404	0	-0.289901	-0.074143	-33.892	-0.649161	-0.000203	0.163066
11404	0.300	-0.289901	-0.074143	-33.892	-0.649161	-10.167	0.140824
.							
11405	0	0.220023	0.082919	5.27E-14	0.007371	6.32E-19	-0.005025
11405	0.600	0.220023	0.082919	5.27E-14	0.007371	3.16E-14	0.044725
.							
11408	0	-136.424	62.094	0.585109	-0.064082	-3.464	-204.181
11408	4.500	-136.424	62.094	0.585109	-0.064082	-0.831477	75.232
.							
11409	0	-136.424	-62.095	0.583981	0.067309	-3.463	204.181
11409	4.500	-136.424	-62.095	0.583981	0.067309	-0.835184	-75.233
.							
11410	0	-117.822	15.703	0.414761	0.027580	-1.570	-17.113
11410	4.500	-117.822	15.703	0.414761	0.027580	0.296669	53.547
.							
11411	0	-117.821	-15.703	0.412686	-0.025495	-1.565	17.112
11411	4.500	-117.821	-15.703	0.412686	-0.025495	0.292127	-53.548
.							
11459	0	-8.655	-0.000221	0.000105	-0.000978	10.127	-0.442087
11459	4.000	-8.655	-0.000221	0.000105	-0.000978	10.127	-0.442971
.							
11460	0	4.311	-0.553702	-189.375	-0.334846	158.504	0.262470
11460	2.000	4.311	-0.553702	-189.375	-0.334846	-220.232	-0.844889
.							
11461	0	4.311	0.551056	189.374	0.332780	-220.227	-0.834940
11461	2.000	4.311	0.551056	189.374	0.332780	158.505	0.267128
.							
11470	0	-378.749	-0.000439	1.105	0.009950	0.667630	-0.004397
11470	0.200	-378.749	-0.000439	1.105	0.009950	0.888573	-0.004485
.							
11471	0	-55.584	0.032575	5.310	0.288428	-8.961	-1.314
11471	4.924	-55.584	0.032575	5.310	0.288428	17.187	-1.154
.							
11472	0	-55.585	-0.031757	5.310	-0.286451	-8.961	1.316
11472	4.924	-55.585	-0.031757	5.310	-0.286451	17.187	1.160
.							
11473	0	-66.776	-0.138370	-32.579	0.191742	91.183	0.608299
11473	6.021	-66.776	-0.138370	-32.579	0.191742	-104.959	-0.224762
.							
11474	0	-66.776	0.138940	-32.579	-0.191464	91.183	-0.615296
11474	6.021	-66.776	0.138940	-32.579	-0.191464	-104.959	0.221202
.							
11481	0	-6.904	-0.190148	-73.630	1.815	1.302	0.496148
11481	2.310	-6.904	-0.190148	-73.630	1.815	-168.752	0.056989
.							
11482	0	-11.830	-0.429653	-151.728	3.693	-169.949	0.303114
11482	0.301	-11.830	-0.429653	-151.728	3.693	-215.599	0.173845
.							
11483	0	61.898	0.155514	-15.765	0.230948	-11.414	-0.173026
11483	2.000	61.898	0.155514	-15.765	0.230948	-42.942	0.137989
.							
11484	0	61.898	-0.154390	15.765	-0.232314	-42.943	0.137668
11484	2.000	61.898	-0.154390	15.765	-0.232314	-11.414	-0.171099
.							
11485	0	-11.830	0.429620	151.724	-3.692	-215.598	0.178987
11485	0.301	-11.830	0.429620	151.724	-3.692	-169.949	0.308246
.							
11486	0	-6.904	0.190145	73.630	-1.815	-168.751	0.057190

11486	2.310	-6.904	0.190145	73.630	-1.815	1.302	0.496342
.							
11501	0	-33.954	0.064635	0.291340	-0.071051	-0.248867	0.495347
11501	0.825	-33.954	0.064635	0.291340	-0.071051	-0.008521	0.548669
.							
11502	0	-31.113	0.063404	-0.205401	-0.070706	0.178698	0.509049
11502	0.825	-31.113	0.063404	-0.205401	-0.070706	0.009249	0.561355
.							
11503	0	-0.293842	0.065293	-33.961	0.550287	-0.000204	0.071051
11503	0.300	-0.293842	0.065293	-33.961	0.550287	-10.188	0.090638
.							
11504	0	-0.212801	-0.065289	-31.129	-0.563504	-0.000187	0.070706
11504	0.300	-0.212801	-0.065289	-31.129	-0.563504	-9.338	0.051120
.							
11505	0	0.229407	0.039363	2.76E-14	-0.013598	3.31E-19	-0.000608
11505	0.600	0.229407	0.039363	2.76E-14	-0.013598	1.65E-14	0.023010
.							
11508	0	-119.829	54.585	0.254401	-0.032883	-1.645	-179.495
11508	4.500	-119.829	54.585	0.254401	-0.032883	-0.500530	66.126
.							
11509	0	-119.829	-54.585	0.252060	0.039600	-1.642	179.495
11509	4.500	-119.829	-54.585	0.252060	0.039600	-0.508233	-66.126
.							
11510	0	-103.461	13.792	0.173059	0.015443	-0.864262	-15.030
11510	4.500	-103.461	13.792	0.173059	0.015443	-0.085526	47.033
.							
11511	0	-103.461	-13.792	0.168782	-0.011144	-0.854372	15.030
11511	4.500	-103.461	-13.792	0.168782	-0.011144	-0.094884	-47.033
.							
11559	0	-7.641	-0.000443	-5.80E-06	-0.002014	8.904	-0.230829
11559	4.000	-7.641	-0.000443	-5.80E-06	-0.002014	8.904	-0.232600
.							
11560	0	3.788	-0.227938	-166.299	0.185358	139.193	0.066316
11560	2.000	3.788	-0.227938	-166.299	0.185358	-193.391	-0.389541
.							
11561	0	3.788	0.222483	166.299	-0.189616	-193.392	-0.369031
11561	2.000	3.788	0.222483	166.299	-0.189616	139.193	0.075916
.							
11570	0	-332.598	3.03E-05	0.450420	0.020510	-0.374972	0.000307
11570	0.200	-332.598	3.03E-05	0.450420	0.020510	-0.284891	0.000313
.							
11571	0	-48.789	0.028843	4.644	0.149214	-7.818	-0.694222
11571	4.924	-48.789	0.028843	4.644	0.149214	15.050	-0.552195
.							
11572	0	-48.789	-0.027198	4.644	-0.145176	-7.818	0.699478
11572	4.924	-48.789	-0.027198	4.644	-0.145176	15.050	0.565548
.							
11573	0	-58.646	-0.053701	-28.609	0.128022	80.074	0.336283
11573	6.021	-58.646	-0.053701	-28.608	0.128022	-92.162	0.012976
.							
11574	0	-58.646	0.054879	-28.608	-0.127449	80.074	-0.350709
11574	6.021	-58.646	0.054879	-28.608	-0.127449	-92.162	-0.020310
.							
11581	0	-6.074	-0.081041	-64.784	0.835787	1.111	0.219024
11581	2.310	-6.074	-0.081041	-64.784	0.835787	-148.511	0.031854
.							
11582	0	-10.391	-0.177223	-133.264	1.753	-149.453	0.136578
11582	0.301	-10.391	-0.177223	-133.264	1.753	-189.548	0.083257
.							
11583	0	54.412	0.077119	-13.846	0.103830	-10.049	-0.083872
11583	2.000	54.412	0.077119	-13.846	0.103830	-37.740	0.070360
.							
11584	0	54.412	-0.074797	13.846	-0.111654	-37.740	0.069881
11584	2.000	54.412	-0.074797	13.846	-0.111654	-10.049	-0.079708
.							
11585	0	-10.391	0.177590	133.275	-1.752	-189.549	0.094049
11585	0.301	-10.391	0.177590	133.275	-1.752	-149.451	0.147481
.							
11586	0	-6.074	0.081030	64.784	-0.835646	-148.512	0.033425
11586	2.310	-6.074	0.081030	64.784	-0.835646	1.111	0.220569
.							
12201	0	-32.765	0.020928	0.275506	0.022627	-0.289953	-0.473790
12201	1.036	-32.765	0.020928	0.275506	0.022627	-0.004541	-0.452109
.							
12202	0	-35.842	0.021045	-0.373625	0.024199	0.390879	-0.506516
12202	1.036	-35.842	0.021045	-0.373625	0.024199	0.003818	-0.484715
.							
12203	0	-0.281114	0.021292	-32.770	-0.451857	-0.000197	-0.022627
12203	0.300	-0.281114	0.021292	-32.770	-0.451857	-9.831	-0.016240
.							
12204	0	-0.377353	-0.021295	-35.849	0.484454	-0.000215	-0.024199
12204	0.300	-0.377353	-0.021295	-35.849	0.484454	-10.754	-0.030587
.							
12205	0	0.281082	0.005210	2.47E-12	0.038031	2.96E-17	0.009459
12205	0.600	0.281082	0.005210	2.47E-12	0.038031	1.48E-12	0.012586
.							
12301	0	-35.963	0.024115	0.368152	0.063065	-0.387276	-0.608934
12301	1.036	-35.963	0.024115	0.368152	0.063065	-0.005886	-0.583952
.							
12302	0	-42.273	0.024117	-0.610947	0.065921	0.638692	-0.634342
12302	1.036	-42.273	0.024117	-0.610947	0.065921	0.005776	-0.609358
.							
12303	0	-0.375360	0.024173	-35.963	-0.583838	-0.000216	-0.063065
12303	0.300	-0.375360	0.024173	-35.963	-0.583838	-10.789	-0.055814
.							
12304	0	-0.614808	-0.024178	-42.276	0.609255	-0.000254	-0.065921
12304	0.300	-0.614808	-0.024178	-42.276	0.609255	-12.683	-0.073174
.							
12305	0	0.282011	0.009341	-2.81E-12	0.029611	-3.37E-17	0.015045
12305	0.600	0.282011	0.009341	-2.81E-12	0.029611	-1.69E-12	0.020649
.							
12401	0	-42.272	0.023833	0.607609	-0.065922	-0.635435	-0.634243
12401	1.036	-42.272	0.023833	0.607609	-0.065922	-0.005977	-0.609552
.							
12402	0	-35.964	0.024121	-0.372409	-0.063066	0.389481	-0.608937
12402	1.036	-35.964	0.024121	-0.372409	-0.063066	0.003681	-0.583949
.							
12403	0	-0.614808	0.024178	-42.274	-0.609255	-0.000254	0.065922
12403	0.300	-0.614808	0.024178	-42.274	-0.609255	-12.682	0.073175
.							
12404	0	-0.375361	-0.024173	-35.955	0.583901	-0.000216	0.063066
12404	0.300	-0.375361	-0.024173	-35.955	0.583901	-10.786	0.055814
.							
12405	0	0.282011	-0.009338	2.32E-14	-0.029611	2.78E-19	0.020649
12405	0.600	0.282011	-0.009338	2.32E-14	-0.029611	1.39E-14	0.015046
.							
12501	0	-35.842	0.020852	0.370719	-0.024200	-0.389373	-0.506416
12501	1.036	-35.842	0.020852	0.370719	-0.024200	-0.005324	-0.484814

```
.
12502       0   -32.765  0.021295 -0.272796 -0.022627  0.288549 -0.473980
12502   1.036   -32.765  0.021295 -0.272796 -0.022627  0.005944 -0.451919
.
12503       0 -0.377353  0.021295   -35.841 -0.484456 -0.000215  0.024200
12503   0.300 -0.377353  0.021295   -35.841 -0.484456   -10.752  0.030588
.
12504       0 -0.281113 -0.021292   -32.767  0.451858 -0.000197  0.022627
12504   0.300 -0.281113 -0.021292   -32.767  0.451858    -9.830  0.016240
.
12505       0  0.281081 -0.005210  1.42E-14 -0.038030  1.71E-19  0.012585
12505   0.600  0.281081 -0.005210  1.42E-14 -0.038030  8.54E-15  0.009459
.
13201       0   -31.090  4.03E-07  0.282739 -0.004049 -0.299546 -3.33E-06
13201   1.059   -31.090  4.03E-07  0.282739 -0.004049 -0.000138 -2.90E-06
.
13202       0   -34.159  7.28E-08 -0.381151 -0.005543  0.402105  3.45E-06
13202   1.059   -34.159  7.28E-08 -0.381151 -0.005543 -0.001517  3.53E-06
.
13203       0 -0.285189  4.01E-07   -31.096 -2.90E-06 -0.000187  0.004049
13203   0.300 -0.285189  4.01E-07   -31.096 -2.90E-06    -9.329  0.004049
.
13204       0 -0.381064 -9.25E-08   -34.169 -3.54E-06 -0.000205  0.005543
13204   0.300 -0.381064 -9.25E-08   -34.169 -3.54E-06   -10.250  0.005543
.
13205       0  0.273754  0.001667  1.74E-12 -7.71E-06  2.09E-17 -0.008091
13205   0.600  0.273754  0.001667  1.74E-12 -7.71E-06  1.04E-12 -0.007091
.
13301       0   -34.045 -4.68E-05  0.383877 -0.001536 -0.402057  4.40E-07
13301   1.059   -34.045 -4.68E-05  0.383877 -0.001536  0.004453 -4.91E-05
.
13302       0   -40.326 -4.67E-05 -0.635037 -0.003252  0.665613  3.95E-06
13302   1.059   -40.326 -4.67E-05 -0.635037 -0.003252 -0.006864 -4.55E-05
.
13303       0 -0.379050 -4.70E-05   -34.051 -4.92E-05 -0.000204  0.001536
13303   0.300 -0.379050 -4.70E-05   -34.051 -4.92E-05   -10.215  0.001522
.
13304       0 -0.624622  4.71E-05   -40.329  4.57E-05 -0.000242  0.003252
13304   0.300 -0.624622  4.71E-05   -40.329  4.57E-05   -12.098  0.003266
.
13305       0  0.274117  0.001987 -1.98E-12 -4.13E-06 -2.38E-17 -0.009320
13305   0.600  0.274117  0.001987 -1.98E-12 -4.13E-06 -1.19E-12 -0.008127
.
13401       0   -40.326 -4.67E-05  0.632084  0.003252 -0.662554  3.91E-06
13401   1.059   -40.326 -4.67E-05  0.632084  0.003252  0.006796 -4.55E-05
.
13402       0   -34.045 -4.67E-05 -0.380248  0.001536  0.400135  4.11E-07
13402   1.059   -34.045 -4.67E-05 -0.380248  0.001536 -0.002531 -4.91E-05
.
13403       0 -0.624622 -4.71E-05   -40.334 -4.57E-05 -0.000242 -0.003252
13403   0.300 -0.624622 -4.71E-05   -40.334 -4.57E-05   -12.100 -0.003266
.
13404       0 -0.379050  4.70E-05   -34.046  4.92E-05 -0.000204 -0.001536
13404   0.300 -0.379050  4.70E-05   -34.046  4.92E-05   -10.214 -0.001522
.
13405       0  0.274116 -0.001986  1.58E-14  4.12E-06  1.90E-19 -0.008128
13405   0.600  0.274116 -0.001986  1.58E-14  4.12E-06  9.49E-15 -0.009319
.
13501       0   -34.159  8.64E-08  0.378969  0.005543 -0.400950  3.41E-06
```



```
13501   1.059   -34.159  8.64E-08  0.378969  0.005543  0.000362  3.50E-06
.
13502       0   -31.090  3.87E-07 -0.287196  0.004049  0.301906 -3.33E-06
13502   1.059   -31.090  3.87E-07 -0.287196  0.004049 -0.002222 -2.92E-06
.
13503       0 -0.381064  9.28E-08   -34.161  3.55E-06 -0.000205 -0.005543
13503   0.300 -0.381064  9.28E-08   -34.161  3.55E-06   -10.248 -0.005543
.
13504       0 -0.285188 -4.01E-07   -31.093  2.91E-06 -0.000187 -0.004049
13504   0.300 -0.285188 -4.01E-07   -31.093  2.91E-06    -9.328 -0.004049
.
13505       0  0.273753 -0.001667  1.07E-14  7.70E-06  1.29E-19 -0.007091
13505   0.600  0.273753 -0.001667  1.07E-14  7.70E-06  6.45E-15 -0.008091
.
14201       0   -32.765 -0.020860  0.279105 -0.024894 -0.291817  0.473754
14201   1.036   -32.765 -0.020860  0.279105 -0.024894 -0.002676  0.452145
.
14202       0   -35.842 -0.021116 -0.371130 -0.031234  0.389586  0.506553
14202   1.036   -35.842 -0.021116 -0.371130 -0.031234  0.005111  0.484678
.
14203       0 -0.281118 -0.021289   -32.769  0.451857 -0.000197  0.024894
14203   0.300 -0.281118 -0.021289   -32.769  0.451857    -9.830  0.018507
.
14204       0 -0.377350  0.021292   -35.849 -0.484454 -0.000215  0.031234
14204   0.300 -0.377350  0.021292   -35.849 -0.484454   -10.755  0.037621
.
14205       0  0.263665 -0.005415  2.47E-12 -0.038031  2.96E-17 -0.033152
14205   0.600  0.263665 -0.005415  2.47E-12 -0.038031  1.48E-12 -0.036401
.
14301       0   -35.963 -0.023759  0.369254 -0.062802 -0.387847  0.608749
14301   1.036   -35.963 -0.023759  0.369254 -0.062802 -0.005315  0.584136
.
14302       0   -42.273 -0.023961 -0.608433 -0.071136  0.635861  0.634261
14302   1.036   -42.273 -0.023961 -0.608433 -0.071136  0.005550  0.609439
.
14303       0 -0.375361 -0.024264   -35.962  0.583711 -0.000216  0.062802
14303   0.300 -0.375361 -0.024264   -35.962  0.583711   -10.788  0.055523
.
14304       0 -0.614808  0.024269   -42.266 -0.609128 -0.000254  0.071136
14304   0.300 -0.614808  0.024269   -42.266 -0.609128   -12.680  0.078416
.
14305       0  0.263853 -0.003217 -2.81E-12 -0.029611 -3.37E-17 -0.042684
14305   0.600  0.263853 -0.003217 -2.81E-12 -0.029611 -1.69E-12 -0.047614
.
14401       0   -42.272 -0.023921  0.596231  0.071137 -0.629541  0.634240
14401   1.036   -42.272 -0.023921  0.596231  0.071137 -0.011870  0.609459
.
14402       0   -35.964 -0.024258 -0.373527  0.062802  0.388060  0.609008
14402   1.036   -35.964 -0.024258 -0.373527  0.062802  0.003101  0.583878
.
14403       0 -0.614807 -0.024269   -42.275  0.609128 -0.000254 -0.071137
14403   0.300 -0.614807 -0.024269   -42.275  0.609128   -12.682 -0.078417
.
14404       0 -0.375362  0.024264   -35.965 -0.583711 -0.000216 -0.062802
14404   0.300 -0.375362  0.024264   -35.965 -0.583711   -10.789 -0.055523
.
14405       0  0.263852  0.008217  2.32E-14  0.029611  2.78E-19 -0.047614
14405   0.600  0.263852  0.008217  2.32E-14  0.029611  1.39E-14 -0.042684
.
```

14501	0	-35.842	-0.020769	0.372320	0.031235	-0.389439	0.506373
14501	1.036	-35.842	-0.020769	0.372320	0.031235	-0.003730	0.484857
.							
14502	0	-32.765	-0.021047	-0.280845	0.024893	0.291955	0.473851
14502	1.036	-32.765	-0.021047	-0.280845	0.024893	0.001011	0.452048
.							
14503	0	-0.377350	-0.021292	-35.842	0.484456	-0.000215	-0.031235
14503	0.300	-0.377350	-0.021292	-35.842	0.484456	-10.752	-0.037622
.							
14504	0	-0.281117	0.021289	-32.755	-0.451858	-0.000197	-0.024893
14504	0.300	-0.281117	0.021289	-32.755	-0.451858	-9.826	-0.018507
.							
14505	0	0.263663	0.005415	1.43E-14	0.038030	1.71E-19	-0.036400
14505	0.600	0.263663	0.005415	1.43E-14	0.038030	8.55E-15	-0.033151
.							
15201	0	-31.114	-0.062894	0.206708	-0.067515	-0.178277	-0.509259
15201	0.825	-31.114	-0.062894	0.206708	-0.067515	-0.007750	-0.561144
.							
15202	0	-33.954	-0.061637	-0.278830	-0.075792	0.243707	-0.496584
15202	0.825	-33.954	-0.061637	-0.278830	-0.075792	0.013681	-0.547432
.							
15203	0	-0.212807	-0.065277	-31.109	-0.563502	-0.000187	0.067515
15203	0.300	-0.212807	-0.065277	-31.109	-0.563502	-9.333	0.047932
.							
15204	0	-0.293837	0.065281	-33.980	0.550285	-0.000204	0.075793
15204	0.300	-0.293837	0.065281	-33.980	0.550285	-10.194	0.095376
.							
15205	0	0.226210	0.037473	7.72E-12	-0.013598	9.27E-17	-0.054709
15205	0.600	0.226210	0.037473	7.72E-12	-0.013598	4.63E-12	-0.032226
.							
15301	0	-33.889	-0.070631	0.273381	-0.158943	-0.240434	-0.587675
15301	0.825	-33.889	-0.070631	0.273381	-0.158943	-0.014904	-0.645943
.							
15302	0	-40.064	-0.071061	-0.447510	-0.169531	0.395025	-0.594694
15302	0.825	-40.064	-0.071061	-0.447510	-0.169531	0.025844	-0.653317
.							
15303	0	-0.289902	-0.074224	-33.894	-0.649161	-0.000203	0.158942
15303	0.300	-0.289902	-0.074224	-33.894	-0.649161	-10.168	0.136676
.							
15304	0	-0.480048	0.074232	-40.080	0.656278	-0.000240	0.169531
15304	0.300	-0.480048	0.074232	-40.080	0.656278	-12.024	0.191800
.							
15305	0	0.220242	0.079599	-8.77E-12	0.007371	-1.05E-16	-0.078097
15305	0.600	0.220242	0.079599	-8.77E-12	0.007371	-5.26E-12	-0.030339
.							
15401	0	-40.064	-0.071798	0.440199	0.169530	-0.392010	-0.594390
15401	0.825	-40.064	-0.071798	0.440199	0.169530	-0.028860	-0.653621
.							
15402	0	-33.889	-0.071307	-0.274762	0.158942	0.241004	-0.587396
15402	0.825	-33.889	-0.071307	-0.274762	0.158942	0.014335	-0.646222
.							
15403	0	-0.480048	-0.074232	-40.067	-0.656278	-0.000240	-0.169530
15403	0.300	-0.480048	-0.074232	-40.067	-0.656278	-12.020	-0.191799
.							
15404	0	-0.289902	0.074224	-33.906	0.649161	-0.000203	-0.158942
15404	0.300	-0.289902	0.074224	-33.906	0.649161	-10.172	-0.136676
.							
15405	0	0.220242	-0.079600	5.27E-14	-0.007371	6.33E-19	-0.030339
15405	0.600	0.220242	-0.079600	5.27E-14	-0.007371	3.16E-14	-0.078098

.							
15501	0	-33.954	-0.064015	0.279234	0.075792	-0.243873	-0.495603
15501	0.825	-33.954	-0.064015	0.279234	0.075792	-0.013514	-0.548413
.							
15502	0	-31.113	-0.063195	-0.198667	0.067517	0.174961	-0.509135
15502	0.825	-31.113	-0.063195	-0.198667	0.067517	0.011067	-0.561269
.							
15503	0	-0.293837	-0.065281	-33.937	-0.550287	-0.000204	-0.075792
15503	0.300	-0.293837	-0.065281	-33.937	-0.550287	-10.181	-0.095376
.							
15504	0	-0.212806	0.065277	-31.109	0.563504	-0.000187	-0.067516
15504	0.300	-0.212806	0.065277	-31.109	0.563504	-9.332	-0.047934
.							
15505	0	0.226209	-0.037475	2.76E-14	0.013598	3.31E-19	-0.032226
15505	0.600	0.226209	-0.037475	2.76E-14	0.013598	1.65E-14	-0.054710
.							
21101	0	-0.019358	-0.005452	0.032033	-0.036631	-0.040576	0.008134
21101	2.300	-0.019358	-0.005452	0.032033	-0.036631	0.033097	-0.004405
.							
21111	0	-0.002295	-0.005780	0.003846	-0.037686	-0.011595	0.007983
21111	2.300	-0.002295	-0.005780	0.003846	-0.037686	-0.002750	-0.005310
.							
21121	0	0.005120	-0.003549	-0.004514	-0.040508	-0.008127	0.004425
21121	2.300	0.005120	-0.003549	-0.004514	-0.040508	-0.018509	-0.003737
.							
21131	0	0.006310	-0.001682	-0.010787	-0.045140	-0.010083	0.001938
21131	2.300	0.006310	-0.001682	-0.010787	-0.045140	-0.034891	-0.001931
.							
21141	0	0.006009	-7.03E-05	-0.019636	-0.051610	-0.013473	6.21E-05
21141	2.300	0.006009	-7.03E-05	-0.019636	-0.051610	-0.058634	-9.97E-05
.							
21151	0	0.005865	0.001482	-0.033740	-0.059896	-0.017428	-0.001672
21151	2.300	0.005865	0.001482	-0.033740	-0.059896	-0.095027	0.001737
.							
21161	0	0.006080	0.002902	-0.055699	-0.069808	-0.021921	-0.003274
21161	2.300	0.006080	0.002902	-0.055699	-0.069808	-0.150023	0.003400
.							
21171	0	0.005968	0.003933	-0.087740	-0.080783	-0.028316	-0.004575
21171	2.300	0.005968	0.003933	-0.087740	-0.080783	-0.230109	0.004471
.							
21181	0	0.003490	0.003997	-0.129757	-0.091598	-0.043167	-0.005035
21181	2.300	0.003490	0.003997	-0.129757	-0.091598	-0.341597	0.004157
.							
21191	0	-0.001697	0.000925	-0.175258	-0.100017	-0.059912	-0.001408
21191	2.300	-0.001697	0.000925	-0.175258	-0.100017	-0.482990	0.000719
.							
21201	0	-0.006442	-0.004844	0.011139	-0.019040	-0.017079	0.006084
21201	2.300	-0.006442	-0.004811	0.011139	-0.019040	0.008539	-0.005056
.							
21211	0	-0.002089	-0.006212	-0.009668	-0.019209	-0.012628	0.007565
21211	2.300	-0.002089	-0.006212	-0.009668	-0.019209	-0.034863	-0.006721
.							
21221	0	0.000727	-0.006012	-0.021314	-0.019445	-0.022544	0.007149
21221	2.300	0.000727	-0.006012	-0.021314	-0.019445	-0.071565	-0.006678
.							
21231	0	0.001785	-0.004405	-0.029307	-0.019357	-0.038228	0.005141
21231	2.300	0.001785	-0.004405	-0.029307	-0.019357	-0.105631	-0.004990
.							
21241	0	0.001828	-0.002164	-0.032082	-0.018356	-0.061206	0.002498

21241	2.300	0.001828	-0.002164	-0.032082	-0.018356	-0.134992	-0.002479
.							
21251	0	0.001690	0.000182	-0.025691	-0.015751	-0.095722	-0.000191
21251	2.300	0.001690	0.000182	-0.025691	-0.015751	-0.154810	0.000228
.							
21261	0	0.001968	0.002251	-0.004843	-0.010948	-0.147131	-0.002501
21261	2.300	0.001968	0.002251	-0.004843	-0.010948	-0.158271	0.002676
.							
21271	0	0.003341	0.003504	0.035597	-0.003782	-0.219947	-0.003777
21271	2.300	0.003341	0.003504	0.035597	-0.003782	-0.138078	0.004282
.							
21281	0	0.007103	0.003131	0.096099	0.004992	-0.311888	-0.002998
21281	2.300	0.007103	0.003131	0.096099	0.004992	-0.090870	0.004203
.							
21291	0	0.015169	0.000668	0.159216	0.013109	-0.395305	0.000360
21291	2.300	0.015169	0.000668	0.159216	0.013109	-0.029122	0.001896
.							
21301	0	0.005057	-0.005144	-0.011138	0.019040	0.008539	0.005478
21301	2.300	0.005057	-0.005144	-0.011138	0.019040	-0.017078	-0.006353
.							
21311	0	0.001156	-0.006633	0.009668	0.019208	-0.034863	0.007247
21311	2.300	0.001156	-0.006633	0.009668	0.019208	-0.012628	-0.008009
.							
21321	0	-0.001568	-0.006578	0.021315	0.019445	-0.071566	0.007337
21321	2.300	-0.001568	-0.006578	0.021315	0.019445	-0.022543	-0.007793
.							
21331	0	-0.002814	-0.005120	0.029308	0.019357	-0.105633	0.005802
21331	2.300	-0.002814	-0.005120	0.029308	0.019357	-0.038226	-0.005974
.							
21341	0	-0.003173	-0.003014	0.032081	0.018355	-0.134991	0.003449
21341	2.300	-0.003173	-0.003014	0.032081	0.018355	-0.061207	-0.003482
.							
21351	0	-0.003165	-0.000709	0.025691	0.015751	-0.154809	0.000845
21351	2.300	-0.003165	-0.000709	0.025691	0.015751	-0.095723	-0.000785
.							
21361	0	-0.002556	0.001648	0.004843	0.010948	-0.158271	-0.001741
21361	2.300	-0.002556	0.001648	0.004843	0.010948	-0.147132	0.002050
.							
21371	0	-3.97E-06	0.003998	-0.035598	0.003782	-0.138077	-0.004116
21371	2.300	-3.97E-06	0.003998	-0.035598	0.003782	-0.219949	0.005079
.							
21381	0	0.006884	0.006050	-0.096099	-0.004992	-0.090871	-0.005892
21381	2.300	0.006884	0.006050	-0.096099	-0.004992	-0.311889	0.008022
.							
21391	0	0.019749	0.006779	-0.159219	-0.013109	-0.029120	-0.006199
21391	2.300	0.019749	0.006779	-0.159219	-0.013109	-0.395309	0.009393
.							
21401	0	0.018799	-0.005958	-0.032033	0.036631	0.033096	0.005029
21401	2.300	0.018799	-0.005958	-0.032033	0.036631	-0.040576	-0.008673
.							
21411	0	0.001939	-0.006575	-0.003846	0.037686	-0.002750	0.006247
21411	2.300	0.001939	-0.006575	-0.003846	0.037686	-0.041596	-0.008876
.							
21421	0	-0.005458	-0.004685	0.004513	0.040508	-0.018509	0.005056
21421	2.300	-0.005458	-0.004685	0.004513	0.040508	-0.008128	-0.005720
.							
21431	0	-0.006721	-0.003196	0.010785	0.045140	-0.034889	0.003685
21431	2.300	-0.006721	-0.003196	0.010785	0.045140	-0.010085	-0.003666
.							

21441	0	-0.006475	-0.001993	0.019637	0.051610	-0.058635	0.002340
21441	2.300	-0.006475	-0.001993	0.019637	0.051610	-0.013472	-0.002243
.							
21451	0	-0.006215	-0.000770	0.033741	0.059896	-0.095028	0.000916
21451	2.300	-0.006215	-0.000770	0.033741	0.059896	-0.017427	-0.000855
.							
21461	0	-0.006082	0.000706	0.055700	0.069808	-0.150024	-0.000795
21461	2.300	-0.006082	0.000706	0.055700	0.069808	-0.021920	0.000830
.							
21471	0	-0.005794	0.002836	0.087739	0.080783	-0.230109	-0.003196
21471	2.300	-0.005794	0.002836	0.087739	0.080783	-0.028317	0.003326
.							
21481	0	-0.003524	0.006362	0.129758	0.091598	-0.341598	-0.006829
21481	2.300	-0.003524	0.006362	0.129758	0.091598	-0.043167	0.007804
.							
21491	0	0.007735	0.011772	0.175260	0.100018	-0.492993	-0.011495
21491	2.300	0.007735	0.011772	0.175260	0.100018	-0.089910	0.015579
.							
21501	0	0.010521	-0.013128	-0.209117	-0.102553	-0.238715	0.019431
21501	2.300	0.010521	-0.013128	-0.209117	-0.102553	-0.719666	-0.010763
.							
21601	0	0.027515	-0.002286	0.146453	0.016398	-0.353548	0.003927
21601	2.300	0.027515	-0.002286	0.146453	0.016398	-0.016720	-0.001331
.							
21701	0	0.034775	0.004190	-0.146461	-0.016398	-0.016710	-0.003618
21701	2.300	0.034775	0.004190	-0.146461	-0.016398	-0.353558	0.006020
.							
21801	0	0.039514	0.014653	0.209118	0.102553	-0.719667	-0.012515
21801	2.300	0.039514	0.014653	0.209118	0.102553	-0.238715	0.021186
.							
22101	0	0.032225	-0.015895	-0.242152	0.074464	-0.256002	0.024290
22101	2.300	0.032225	-0.015895	-0.242152	0.074464	-0.812930	-0.012267
.							
22111	0	0.033786	0.008465	-0.196776	0.069938	-0.093330	-0.011787
22111	2.300	0.033786	0.008465	-0.196776	0.069938	-0.545696	0.007681
.							
22121	0	0.017080	0.005738	-0.143844	0.055577	-0.049431	-0.007881
22121	2.300	0.017080	0.005738	-0.143844	0.055577	-0.380260	0.005315
.							
22131	0	0.009706	0.002056	-0.100640	0.036224	-0.039178	-0.002796
22131	2.300	0.009706	0.002056	-0.100640	0.036224	-0.270641	0.001932
.							
22141	0	0.007116	0.001159	-0.074876	0.014664	-0.037114	-0.001495
22141	2.300	0.007116	0.001159	-0.074876	0.014664	-0.209321	0.001171
.							
22151	0	0.005966	0.002454	-0.067772	-0.007790	-0.037170	-0.002871
22151	2.300	0.005966	0.002454	-0.067772	-0.007790	-0.193039	0.002774
.							
22161	0	0.005458	0.005099	-0.079508	-0.030533	-0.038394	-0.005827
22161	2.300	0.005458	0.005099	-0.079508	-0.030533	-0.221255	0.005901
.							
22171	0	0.004411	0.008530	-0.110790	-0.052899	-0.041937	-0.009976
22171	2.300	0.004411	0.008530	-0.110790	-0.052899	-0.296743	0.009642
.							
22181	0	-0.002256	0.011826	-0.160675	-0.073379	-0.055025	-0.014881
22181	2.300	-0.002256	0.011826	-0.160675	-0.073379	-0.424563	0.012317
.							
22191	0	-0.019693	0.008869	-0.219543	-0.088802	-0.108253	-0.012029
22191	2.300	-0.019693	0.008869	-0.219543	-0.088802	-0.613181	0.008369

.							
22201	0	0.036442	-0.003274	0.161070	-0.038449	-0.391744	0.005319
22201	2.300	0.036442	-0.003274	0.161070	-0.038449	-0.021297	-0.002211
.							
22211	0	0.036433	-0.001640	0.160281	-0.034607	-0.449301	0.001050
22211	2.300	0.036433	-0.001640	0.160281	-0.034607	-0.080669	-0.002721
.							
22221	0	0.024615	-0.001820	0.069444	-0.025364	-0.357536	0.000697
22221	2.300	0.024615	-0.001820	0.069444	-0.025364	-0.197822	-0.003489
.							
22231	0	0.012985	-0.001919	-0.010075	-0.016018	-0.268018	0.001114
22231	2.300	0.012985	-0.001919	-0.010075	-0.016018	-0.291189	-0.003298
.							
22241	0	0.005349	-0.000837	-0.058032	-0.008506	-0.213548	0.000322
22241	2.300	0.005349	-0.000837	-0.058032	-0.008506	-0.347016	-0.001604
.							
22251	0	0.001071	0.001399	-0.073081	-0.002323	-0.198919	-0.001960
22251	2.300	0.001071	0.001399	-0.073081	-0.002323	-0.366999	0.001257
.							
22261	0	-0.001556	0.004215	-0.055353	0.004222	-0.224765	-0.005075
22261	2.300	-0.001556	0.004215	-0.055353	0.004222	-0.352072	0.004620
.							
22271	0	-0.003410	0.006569	-0.002687	0.012765	-0.292449	-0.007637
22271	2.300	-0.003410	0.006569	-0.002687	0.012765	-0.298629	0.007470
.							
22281	0	-0.002827	0.006399	0.084746	0.023594	-0.398076	-0.006840
22281	2.300	-0.002827	0.006399	0.084746	0.023594	-0.203168	0.007878
.							
22291	0	0.006199	0.001186	0.185119	0.034298	-0.506032	0.000675
22291	2.300	0.006199	0.001186	0.185119	0.034298	-0.080275	0.003403
.							
22301	0	0.043895	0.004046	-0.161061	0.038448	-0.021307	-0.003347
22301	2.300	0.043895	0.004046	-0.161061	0.038448	-0.391734	0.005960
.							
22311	0	0.039859	-0.008191	-0.160280	0.034606	-0.080669	0.008031
22311	2.300	0.039859	-0.008191	-0.160280	0.034606	-0.449299	-0.010807
.							
22321	0	0.023309	-0.010502	-0.069443	0.025363	-0.197822	0.010170
22321	2.300	0.023309	-0.010502	-0.069443	0.025363	-0.357535	-0.013984
.							
22331	0	0.008943	-0.007910	0.010075	0.016017	-0.291139	0.007770
22331	2.300	0.008943	-0.007910	0.010075	0.016017	-0.268017	-0.010422
.							
22341	0	0.000484	-0.004327	0.058032	0.008505	-0.347016	0.004275
22341	2.300	0.000484	-0.004327	0.058032	0.008505	-0.213547	-0.005676
.							
22351	0	-0.003907	-0.001225	0.073081	0.002323	-0.366999	0.001055
22351	2.300	-0.003907	-0.001225	0.073081	0.002323	-0.198919	-0.001761
.							
22361	0	-0.006446	0.001289	0.055353	-0.004223	-0.352072	-0.001648
22361	2.300	-0.006446	0.001289	0.055353	-0.004223	-0.224765	0.001318
.							
22371	0	-0.007379	0.003558	0.002687	-0.012766	-0.298629	-0.003911
22371	2.300	-0.007379	0.003558	0.002687	-0.012766	-0.292448	0.004273
.							
22381	0	-0.003570	0.006114	-0.084746	-0.023595	-0.203168	-0.005904
22381	2.300	-0.003570	0.006114	-0.084746	-0.023595	-0.398076	0.008158
.							
22391	0	0.011240	0.008826	-0.185120	-0.034298	-0.080274	-0.007431
22391	2.300	0.011240	0.008826	-0.185120	-0.034298	-0.506033	0.012869
.							
22401	0	0.064380	0.016502	0.242152	-0.074465	-0.812930	-0.013075
22401	2.300	0.064380	0.016502	0.242152	-0.074465	-0.256003	0.024877
.							
22411	0	0.041553	-0.023473	0.196775	-0.069939	-0.545894	0.021946
22411	2.300	0.041553	-0.023473	0.196775	-0.069939	-0.093330	-0.032040
.							
22421	0	0.007787	-0.017408	0.143845	-0.055577	-0.380260	0.017840
22421	2.300	0.007787	-0.017408	0.143845	-0.055577	-0.049429	-0.022198
.							
22431	0	-0.003314	-0.009393	0.100640	-0.036225	-0.270640	0.010338
22431	2.300	-0.003314	-0.009393	0.100640	-0.036225	-0.039178	-0.011265
.							
22441	0	-0.005908	-0.004697	0.074874	-0.014665	-0.209319	0.005303
22441	2.300	-0.005908	-0.004697	0.074874	-0.014665	-0.037115	-0.005499
.							
22451	0	-0.006890	-0.002359	0.067773	0.007790	-0.193040	0.002664
22451	2.300	-0.006890	-0.002359	0.067773	0.007790	-0.037169	-0.002761
.							
22461	0	-0.007571	-0.001363	0.079509	0.030532	-0.221255	0.001541
22461	2.300	-0.007571	-0.001363	0.079509	0.030532	-0.038393	-0.001593
.							
22471	0	-0.008558	-0.000935	0.110737	0.052898	-0.296740	0.000955
22471	2.300	-0.008558	-0.000935	0.110737	0.052898	-0.041940	-0.001195
.							
22481	0	-0.011158	0.000328	0.160675	0.073379	-0.424563	-0.000692
22481	2.300	-0.011158	0.000328	0.160675	0.073379	-0.055024	6.13E-05
.							
22491	0	-0.010393	0.007139	0.219543	0.088802	-0.613181	-0.006859
22491	2.300	-0.010393	0.007139	0.219543	0.088802	-0.108252	0.009559
.							
22501	0	0.002075	-0.032858	-0.260273	-0.093700	-0.307711	0.050203
22501	2.300	0.002075	-0.032858	-0.260273	-0.093700	-0.906315	-0.025367
.							
22601	0	0.030166	-0.007757	0.186935	0.038745	-0.449939	0.012490
22601	2.300	0.030166	-0.007757	0.186935	0.038745	-0.019889	-0.005350
.							
22701	0	0.039314	0.008464	-0.186938	-0.038746	-0.019886	-0.006180
22701	2.300	0.039314	0.008464	-0.186938	-0.038746	-0.449942	0.013287
.							
22801	0	0.037452	0.033627	0.260274	0.093698	-0.906314	-0.026087
22801	2.300	0.037452	0.033627	0.260274	0.093698	-0.307708	0.051252
.							
23101	0	0.051990	-0.047847	-0.328448	0.122474	-0.333943	0.074991
23101	2.300	0.051990	-0.047847	-0.328448	0.122474	-1.089	-0.035053
.							
23111	0	0.055890	0.021794	-0.249464	0.115476	-0.106143	-0.030055
23111	2.300	0.055890	0.021794	-0.249464	0.115476	-0.679888	0.020070
.							
23121	0	0.022784	0.011972	-0.164287	0.092419	-0.055691	-0.015846
23121	2.300	0.022784	0.011972	-0.164287	0.092419	-0.433537	0.011689
.							
23131	0	0.012434	0.003108	-0.100955	0.062864	-0.044895	-0.004056
23131	2.300	0.012434	0.003108	-0.100955	0.062864	-0.277082	0.003093
.							
23141	0	0.009572	0.000129	-0.065431	0.031525	-0.041583	-0.000319
23141	2.300	0.009572	0.000129	-0.065431	0.031525	-0.192068	-2.15E-05
.							

23151	0	0.008808	-4.83E-09	-0.054288	8.66E-08	-0.040596	6.53E-09
23151	2.300	0.008808	-4.83E-09	-0.054288	8.66E-08	-0.165453	-4.59E-09
.							
23161	0	0.009572	-0.000129	-0.065431	-0.031525	-0.041582	0.000319
23161	2.300	0.009572	-0.000129	-0.065431	-0.031525	-0.192069	2.15E-05
.							
23171	0	0.012434	-0.003108	-0.100349	-0.062864	-0.044902	0.004056
23171	2.300	0.012434	-0.003108	-0.100349	-0.062864	-0.277075	-0.003093
.							
23181	0	0.022784	-0.011972	-0.164289	-0.092419	-0.055689	0.015846
23181	2.300	0.022784	-0.011972	-0.164289	-0.092419	-0.433539	-0.011689
.							
23191	0	0.055890	-0.021794	-0.249466	-0.115476	-0.106140	0.030055
23191	2.300	0.055890	-0.021794	-0.249466	-0.115476	-0.679890	-0.020070
.							
23201	0	0.049012	-0.012374	0.213460	-0.037242	-0.520909	0.019415
23201	2.300	0.049012	-0.012374	0.213460	-0.037242	-0.029970	-0.009045
.							
23211	0	0.056217	-0.003045	0.205696	-0.030782	-0.574550	0.002765
23211	2.300	0.056217	-0.003045	0.205696	-0.030782	-0.101469	-0.004238
.							
23221	0	0.036778	-0.002130	0.073194	-0.016849	-0.415703	0.000103
23221	2.300	0.036778	-0.002130	0.073194	-0.016849	-0.247364	-0.004797
.							
23231	0	0.018438	-0.003146	-0.027127	-0.005926	-0.282172	0.001934
23231	2.300	0.018438	-0.003146	-0.027127	-0.005926	-0.344563	-0.005302
.							
23241	0	0.008594	-0.002331	-0.080264	-0.000943	-0.206236	0.001954
23241	2.300	0.008594	-0.002331	-0.080264	-0.000943	-0.390837	-0.003408
.							
23251	0	0.005756	-1.10E-08	-0.096170	4.82E-09	-0.182396	1.20E-08
23251	2.300	0.005756	-1.10E-08	-0.096170	4.82E-09	-0.403579	-1.34E-08
.							
23261	0	0.008594	0.002331	-0.080265	0.000943	-0.206236	-0.001954
23261	2.300	0.008594	0.002331	-0.080265	0.000943	-0.390837	0.003408
.							
23271	0	0.018438	0.003146	-0.027128	0.005926	-0.282171	-0.001934
23271	2.300	0.018438	0.003146	-0.027128	0.005926	-0.344563	0.005302
.							
23281	0	0.036778	0.002130	0.073197	0.016849	-0.415707	-0.000103
23281	2.300	0.036778	0.002130	0.073197	0.016849	-0.247360	0.004797
.							
23291	0	0.056217	0.003045	0.205695	0.030782	-0.574549	-0.002765
23291	2.300	0.056217	0.003045	0.205695	0.030782	-0.101469	0.004238
.							
23301	0	0.059418	0.010141	-0.213454	0.037241	-0.029977	-0.006713
23301	2.300	0.059418	0.010141	-0.213454	0.037241	-0.520900	0.016611
.							
23311	0	0.060338	-0.015346	-0.205696	0.030781	-0.101467	0.015908
23311	2.300	0.060338	-0.015346	-0.205696	0.030781	-0.574549	-0.019385
.							
23321	0	0.034297	-0.018319	-0.073195	0.016849	-0.247362	0.017893
23321	2.300	0.034297	-0.018319	-0.073195	0.016849	-0.415703	-0.024239
.							
23331	0	0.013093	-0.012198	0.027124	0.005926	-0.344558	0.012023
23331	2.300	0.013093	-0.012198	0.027124	0.005926	-0.282176	-0.016030
.							
23341	0	0.002763	-0.005592	0.080268	0.000943	-0.390841	0.005623
23341	2.300	0.002763	-0.005592	0.080268	0.000943	-0.206231	-0.007237
.							
23351	0	-5.34E-05	-1.54E-08	0.096174	-4.82E-09	-0.403583	1.68E-08
23351	2.300	-5.34E-05	-1.54E-08	0.096174	-4.82E-09	-0.182391	-1.87E-08
.							
23361	0	0.002763	0.005592	0.080261	-0.000943	-0.390833	-0.005623
23361	2.300	0.002763	0.005592	0.080261	-0.000943	-0.206239	0.007237
.							
23371	0	0.013093	0.012197	0.027124	-0.005926	-0.344558	-0.012023
23371	2.300	0.013093	0.012197	0.027124	-0.005926	-0.282175	0.016030
.							
23381	0	0.034297	0.018319	-0.073194	-0.016849	-0.247362	-0.017893
23381	2.300	0.034297	0.018319	-0.073194	-0.016849	-0.415703	0.024239
.							
23391	0	0.060338	0.015346	-0.205692	-0.030781	-0.101471	-0.015908
23391	2.300	0.060338	0.015346	-0.205692	-0.030781	-0.574545	0.019385
.							
23401	0	0.093952	0.046541	0.328449	-0.122474	-1.089	-0.033437
23401	2.300	0.093952	0.046541	0.328449	-0.122474	-0.333940	0.073603
.							
23411	0	0.061819	-0.044904	0.249466	-0.115475	-0.679889	0.042528
23411	2.300	0.061819	-0.044904	0.249466	-0.115475	-0.106140	-0.060748
.							
23421	0	0.009950	-0.028115	0.164287	-0.092418	-0.433536	0.029512
23421	2.300	0.009950	-0.028115	0.164287	-0.092418	-0.055691	-0.035150
.							
23431	0	-0.002987	-0.013178	0.100953	-0.062864	-0.277079	0.014765
23431	2.300	-0.002987	-0.013178	0.100953	-0.062864	-0.044897	-0.015543
.							
23441	0	-0.005710	-0.005092	0.065428	-0.031525	-0.192065	0.005768
23441	2.300	-0.005710	-0.005092	0.065428	-0.031525	-0.041586	-0.005944
.							
23451	0	-0.006385	-1.30E-08	0.054285	-8.66E-08	-0.165449	1.40E-08
23451	2.300	-0.006385	-1.30E-08	0.054285	-8.66E-08	-0.040599	-1.60E-08
.							
23461	0	-0.005710	0.005092	0.065429	0.031525	-0.192065	-0.005768
23461	2.300	-0.005710	0.005092	0.065429	0.031525	-0.041585	0.005944
.							
23471	0	-0.002987	0.013178	0.100954	0.062864	-0.277080	-0.014765
23471	2.300	-0.002987	0.013178	0.100954	0.062864	-0.044895	0.015543
.							
23481	0	0.009950	0.028115	0.164285	0.092418	-0.433534	-0.029512
23481	2.300	0.009950	0.028115	0.164285	0.092418	-0.055692	0.035150
.							
23491	0	0.061819	0.044904	0.249465	0.115475	-0.679886	-0.042527
23491	2.300	0.061819	0.044904	0.249465	0.115475	-0.106141	0.060748
.							
23501	0	0.051990	0.047847	-0.328445	-0.122474	-0.333946	-0.074991
23501	2.300	0.051990	0.047847	-0.328445	-0.122474	-1.089	0.035053
.							
23601	0	0.049012	0.012374	0.213460	0.037242	-0.520908	-0.019415
23601	2.300	0.049012	0.012374	0.213460	0.037242	-0.029970	0.009045
.							
23701	0	0.059419	-0.010141	-0.213453	-0.037241	-0.029978	0.006713
23701	2.300	0.059419	-0.010141	-0.213453	-0.037241	-0.520900	-0.016611
.							
23801	0	0.093952	-0.046541	0.328445	0.122474	-1.089	0.033437
23801	2.300	0.093952	-0.046541	0.328445	0.122474	-0.333943	-0.073603
.							
24101	0	0.002075	0.032858	-0.260275	0.093699	-0.307709	-0.050202

24101	2.300	0.002075	0.032858	-0.260275	0.093699	-0.906317	0.025367
.							
24111	0	-0.019693	-0.008869	-0.219544	0.088802	-0.108252	0.012029
24111	2.300	-0.019693	-0.008869	-0.219544	0.088802	-0.613182	-0.008369
.							
24121	0	-0.002256	-0.011826	-0.160677	0.073380	-0.055023	0.014881
24121	2.300	-0.002256	-0.011826	-0.160677	0.073380	-0.424566	-0.012317
.							
24131	0	0.004411	-0.008530	-0.110790	0.052899	-0.041938	0.009976
24131	2.300	0.004411	-0.008530	-0.110790	0.052899	-0.296743	-0.009641
.							
24141	0	0.005458	-0.005099	-0.079511	0.030533	-0.038390	0.005827
24141	2.300	0.005458	-0.005099	-0.079511	0.030533	-0.221259	-0.005901
.							
24151	0	0.005966	-0.002454	-0.067773	0.007790	-0.037169	0.002871
24151	2.300	0.005966	-0.002454	-0.067773	0.007790	-0.193040	-0.002774
.							
24161	0	0.007116	-0.001159	-0.074874	-0.014664	-0.037116	0.001495
24161	2.300	0.007116	-0.001159	-0.074874	-0.014664	-0.209319	-0.001171
.							
24171	0	0.009706	-0.002056	-0.100640	-0.036224	-0.039178	0.002796
24171	2.300	0.009706	-0.002056	-0.100640	-0.036224	-0.270640	-0.001932
.							
24181	0	0.017080	-0.005738	-0.143847	-0.055577	-0.049427	0.007881
24181	2.300	0.017080	-0.005738	-0.143847	-0.055577	-0.380263	-0.005315
.							
24191	0	0.033786	-0.008465	-0.196775	-0.069938	-0.093330	0.011787
24191	2.300	0.033786	-0.008465	-0.196775	-0.069938	-0.545894	-0.007681
.							
24201	0	0.030166	0.007757	0.186986	-0.038745	-0.449940	-0.012490
24201	2.300	0.030166	0.007757	0.186986	-0.038745	-0.019889	0.005350
.							
24211	0	0.006199	-0.001186	0.185119	-0.034298	-0.506032	-0.000675
24211	2.300	0.006199	-0.001186	0.185119	-0.034298	-0.080275	-0.003403
.							
24221	0	-0.002827	-0.006399	0.084749	-0.023595	-0.398079	0.006840
24221	2.300	-0.002827	-0.006399	0.084749	-0.023595	-0.203164	-0.007878
.							
24231	0	-0.003410	-0.006569	-0.002687	-0.012765	-0.292448	0.007637
24231	2.300	-0.003410	-0.006569	-0.002687	-0.012765	-0.298629	-0.007470
.							
24241	0	-0.001556	-0.004215	-0.055350	-0.004222	-0.224768	0.005075
24241	2.300	-0.001556	-0.004215	-0.055350	-0.004222	-0.352069	-0.004620
.							
24251	0	0.001071	-0.001399	-0.073081	0.002323	-0.198919	0.001960
24251	2.300	0.001071	-0.001399	-0.073081	0.002323	-0.366999	-0.001257
.							
24261	0	0.005349	0.000837	-0.058032	0.008506	-0.213547	-0.000322
24261	2.300	0.005349	0.000837	-0.058032	0.008506	-0.347016	0.001604
.							
24271	0	0.012985	0.001919	-0.010076	0.016018	-0.268016	-0.001114
24271	2.300	0.012985	0.001919	-0.010076	0.016018	-0.291190	0.003298
.							
24281	0	0.024615	0.001820	0.069444	0.025364	-0.357536	-0.000697
24281	2.300	0.024615	0.001820	0.069444	0.025364	-0.197821	0.003489
.							
24291	0	0.036433	0.001639	0.160280	0.034607	-0.449300	-0.001050
24291	2.300	0.036433	0.001639	0.160280	0.034607	-0.080669	0.002721
.							
24301	0	0.039314	-0.008464	-0.186989	0.038746	-0.019885	0.006180
24301	2.300	0.039314	-0.008464	-0.186989	0.038746	-0.449942	-0.013287
.							
24311	0	0.011240	-0.008826	-0.185120	0.034298	-0.080274	0.007431
24311	2.300	0.011240	-0.008826	-0.185120	0.034298	-0.506033	-0.012869
.							
24321	0	-0.003570	-0.006114	-0.084749	0.023596	-0.203164	0.005904
24321	2.300	-0.003570	-0.006114	-0.084749	0.023596	-0.398080	-0.008158
.							
24331	0	-0.007379	-0.003558	0.002688	0.012766	-0.298629	0.003911
24331	2.300	-0.007379	-0.003558	0.002688	0.012766	-0.292448	-0.004273
.							
24341	0	-0.006446	-0.001289	0.055351	0.004223	-0.352069	0.001648
24341	2.300	-0.006446	-0.001289	0.055351	0.004223	-0.224768	-0.001318
.							
24351	0	-0.003907	0.001225	0.073082	-0.002323	-0.366999	-0.001055
24351	2.300	-0.003907	0.001225	0.073082	-0.002323	-0.198918	0.001761
.							
24361	0	0.000484	0.004327	0.058033	-0.008505	-0.347016	-0.004275
24361	2.300	0.000484	0.004327	0.058033	-0.008505	-0.213546	0.005676
.							
24371	0	0.008943	0.007910	0.010076	-0.016017	-0.291190	-0.007770
24371	2.300	0.008943	0.007910	0.010076	-0.016017	-0.268016	0.010422
.							
24381	0	0.023309	0.010502	-0.069444	-0.025363	-0.197821	-0.010170
24381	2.300	0.023309	0.010502	-0.069444	-0.025363	-0.357535	0.013984
.							
24391	0	0.039858	0.008191	-0.160279	-0.034606	-0.080670	-0.008031
24391	2.300	0.039858	0.008191	-0.160279	-0.034606	-0.449297	0.010807
.							
24401	0	0.037453	-0.033627	0.260276	-0.093698	-0.906317	0.026087
24401	2.300	0.037453	-0.033627	0.260276	-0.093698	-0.307706	-0.051251
.							
24411	0	-0.010392	-0.007139	0.219544	-0.088802	-0.613182	0.006859
24411	2.300	-0.010392	-0.007139	0.219544	-0.088802	-0.108251	-0.009559
.							
24421	0	-0.011158	-0.000328	0.160678	-0.073379	-0.424566	0.000692
24421	2.300	-0.011158	-0.000328	0.160678	-0.073379	-0.055022	-6.14E-05
.							
24431	0	-0.008558	0.000935	0.110790	-0.052898	-0.296744	-0.000955
24431	2.300	-0.008558	0.000935	0.110790	-0.052898	-0.041936	0.001195
.							
24441	0	-0.007571	0.001363	0.079509	-0.030532	-0.221256	-0.001541
24441	2.300	-0.007571	0.001363	0.079509	-0.030532	-0.038392	0.001593
.							
24451	0	-0.006890	0.002359	0.067771	-0.007790	-0.193038	-0.002664
24451	2.300	-0.006890	0.002359	0.067771	-0.007790	-0.037171	0.002761
.							
24461	0	-0.005908	0.004697	0.074876	0.014665	-0.209321	-0.005303
24461	2.300	-0.005908	0.004697	0.074876	0.014665	-0.037113	0.005499
.							
24471	0	-0.003314	0.009393	0.100639	0.036225	-0.270639	-0.010338
24471	2.300	-0.003314	0.009393	0.100639	0.036225	-0.039178	0.011265
.							
24481	0	0.007787	0.017408	0.143848	0.055577	-0.380263	-0.017840
24481	2.300	0.007787	0.017408	0.143848	0.055577	-0.049426	0.022198
.							
24491	0	0.041553	0.023473	0.196774	0.069938	-0.545892	-0.021946
24491	2.300	0.041553	0.023473	0.196774	0.069938	-0.093330	0.032040

.							
24501	0	0.032226	0.015895	-0.242150	-0.074464	-0.256004	-0.024290
24501	2.300	0.032226	0.015895	-0.242150	-0.074464	-0.812927	0.012267
.							
24601	0	0.036442	0.003274	0.161069	0.038449	-0.391742	-0.005319
24601	2.300	0.036442	0.003274	0.161069	0.038449	-0.021298	0.002211
.							
24701	0	0.043895	-0.004047	-0.161060	-0.038448	-0.021308	0.003347
24701	2.300	0.043895	-0.004047	-0.161060	-0.038448	-0.391732	-0.005960
.							
24801	0	0.064380	-0.016502	0.242150	0.074465	-0.812927	0.013075
24801	2.300	0.064380	-0.016502	0.242150	0.074465	-0.256004	-0.024877
.							
25101	0	0.010521	0.013128	-0.209117	0.102552	-0.238716	-0.019431
25101	2.300	0.010521	0.013128	-0.209117	0.102552	-0.719665	0.010763
.							
25111	0	-0.001697	-0.000925	-0.175259	0.100017	-0.089911	0.001408
25111	2.300	-0.001697	-0.000925	-0.175259	0.100017	-0.492990	-0.000719
.							
25121	0	0.003490	-0.003997	-0.129756	0.091598	-0.043168	0.005035
25121	2.300	0.003490	-0.003997	-0.129756	0.091598	-0.341595	-0.004157
.							
25131	0	0.005968	-0.003933	-0.087741	0.080783	-0.028314	0.004575
25131	2.300	0.005968	-0.003933	-0.087741	0.080783	-0.230110	-0.004471
.							
25141	0	0.006080	-0.002902	-0.055701	0.069808	-0.021918	0.003274
25141	2.300	0.006080	-0.002902	-0.055701	0.069808	-0.150025	-0.003400
.							
25151	0	0.005865	-0.001482	-0.033738	0.059896	-0.017430	0.001672
25151	2.300	0.005865	-0.001482	-0.033738	0.059896	-0.095025	-0.001737
.							
25161	0	0.006009	7.03E-05	-0.019639	0.051610	-0.013469	-6.20E-05
25161	2.300	0.006009	7.03E-05	-0.019639	0.051610	-0.058638	9.97E-05
.							
25171	0	0.006310	0.001682	-0.010786	0.045140	-0.010084	-0.001938
25171	2.300	0.006310	0.001682	-0.010786	0.045140	-0.034890	0.001931
.							
25181	0	0.005120	0.003549	-0.004514	0.040508	-0.008127	-0.004425
25181	2.300	0.005120	0.003549	-0.004514	0.040508	-0.018510	0.003737
.							
25191	0	-0.002295	0.005780	0.003847	0.037686	-0.011596	-0.007983
25191	2.300	-0.002295	0.005780	0.003847	0.037686	-0.002749	0.005310
.							
25201	0	0.027514	0.002286	0.146453	-0.016398	-0.353547	-0.003927
25201	2.300	0.027514	0.002286	0.146453	-0.016398	-0.016720	0.001331
.							
25211	0	0.015169	-0.000668	0.159216	-0.013109	-0.395305	-0.000360
25211	2.300	0.015169	-0.000668	0.159216	-0.013109	-0.029122	-0.001996
.							
25221	0	0.007103	-0.003131	0.096098	-0.004992	-0.311887	0.002998
25221	2.300	0.007103	-0.003131	0.096098	-0.004992	-0.090871	-0.004203
.							
25231	0	0.003341	-0.003504	0.035599	0.003782	-0.219949	0.003777
25231	2.300	0.003341	-0.003504	0.035599	0.003782	-0.138075	-0.004282
.							
25241	0	0.001968	-0.002251	-0.004841	0.010948	-0.147133	0.002501
25241	2.300	0.001968	-0.002251	-0.004841	0.010948	-0.158268	-0.002676
.							
25251	0	0.001690	-0.000182	-0.025692	0.015751	-0.095721	0.000191
25251	2.300	0.001690	-0.000182	-0.025692	0.015751	-0.154810	-0.000228
.							
25261	0	0.001828	0.002164	-0.032080	0.018356	-0.061209	-0.002498
25261	2.300	0.001828	0.002164	-0.032080	0.018356	-0.134989	0.002479
.							
25271	0	0.001785	0.004405	-0.029307	0.019357	-0.038227	-0.005141
25271	2.300	0.001785	0.004405	-0.029307	0.019357	-0.105631	0.004990
.							
25281	0	0.000727	0.006012	-0.021314	0.019445	-0.022544	-0.007149
25281	2.300	0.000727	0.006012	-0.021314	0.019445	-0.071565	0.006877
.							
25291	0	-0.002089	0.006212	-0.009668	0.019209	-0.012627	-0.007565
25291	2.300	-0.002089	0.006212	-0.009668	0.019209	-0.034863	0.006721
.							
25301	0	0.034775	-0.004191	-0.146461	0.016398	-0.016710	0.003618
25301	2.300	0.034775	-0.004191	-0.146461	0.016398	-0.353557	-0.006020
.							
25311	0	0.019749	-0.006779	-0.159219	0.013109	-0.029120	0.006139
25311	2.300	0.019749	-0.006779	-0.159219	0.013109	-0.395308	-0.009393
.							
25321	0	0.006884	-0.006049	-0.096099	0.004992	-0.090870	0.005892
25321	2.300	0.006884	-0.006049	-0.096099	0.004992	-0.311889	-0.008022
.							
25331	0	-4.04E-06	-0.003998	-0.035598	-0.003782	-0.138076	0.004116
25331	2.300	-4.04E-06	-0.003998	-0.035598	-0.003782	-0.219949	-0.005079
.							
25341	0	-0.002556	-0.001648	0.004841	-0.010948	-0.158268	0.001741
25341	2.300	-0.002556	-0.001648	0.004841	-0.010948	-0.147134	-0.002050
.							
25351	0	-0.003165	0.000709	0.025691	-0.015751	-0.154810	-0.000845
25351	2.300	-0.003165	0.000709	0.025691	-0.015751	-0.095722	0.000735
.							
25361	0	-0.003173	0.003014	0.032081	-0.018356	-0.134991	-0.003449
25361	2.300	-0.003173	0.003014	0.032081	-0.018356	-0.061207	0.003482
.							
25371	0	-0.002814	0.005120	0.029307	-0.019357	-0.105631	-0.005002
25371	2.300	-0.002814	0.005120	0.029307	-0.019357	-0.038228	0.005971
.							
25381	0	-0.001568	0.006578	0.021315	-0.019445	-0.071566	-0.007337
25381	2.300	-0.001568	0.006578	0.021315	-0.019445	-0.022543	0.007793
.							
25391	0	0.001156	0.006633	0.009668	-0.019206	-0.034863	-0.007247
25391	2.300	0.001156	0.006633	0.009668	-0.019208	-0.012628	0.008009
.							
25401	0	0.039513	-0.014653	0.209117	-0.102553	-0.719666	0.012515
25401	2.300	0.039513	-0.014653	0.209117	-0.102553	-0.238715	-0.021186
.							
25411	0	0.007735	-0.011772	0.175260	-0.100018	-0.492992	0.011136
25411	2.300	0.007735	-0.011772	0.175260	-0.100018	-0.089910	-0.015579
.							
25421	0	-0.003524	-0.006362	0.129758	-0.091598	-0.341598	0.006828
25421	2.300	-0.003524	-0.006362	0.129758	-0.091598	-0.043167	-0.007804
.							
25431	0	-0.005794	-0.002836	0.087739	-0.080783	-0.230109	0.003196
25431	2.300	-0.005794	-0.002836	0.087739	-0.080783	-0.028317	-0.003326
.							
25441	0	-0.006082	-0.000706	0.055699	-0.069808	-0.150023	0.000795
25441	2.300	-0.006082	-0.000706	0.055699	-0.069808	-0.021920	-0.000830
.							

```
25451       0 -0.006215  0.000770  0.033740 -0.059896 -0.095027 -0.000916
25451   2.300 -0.006215  0.000770  0.033740 -0.059896 -0.017428  0.000855
.
25461       0 -0.006475  0.001993  0.019638 -0.051610 -0.058636 -0.002340
25461   2.300 -0.006475  0.001993  0.019638 -0.051610 -0.013471  0.002243
.
25471       0 -0.006721  0.003196  0.010787 -0.045140 -0.034891 -0.003685
25471   2.300 -0.006721  0.003196  0.010787 -0.045140 -0.010083  0.003666
.
25481       0 -0.005458  0.004685  0.004514 -0.040508 -0.018509 -0.005056
25481   2.300 -0.005458  0.004685  0.004514 -0.040508 -0.008128  0.005720
.
25491       0  0.001939  0.006575 -0.003846 -0.037686 -0.002750 -0.006247
25491   2.300  0.001939  0.006575 -0.003846 -0.037686 -0.011596  0.008876
.
25501       0 -0.019358  0.005452  0.032033  0.036632 -0.040576 -0.008134
25501   2.300 -0.019358  0.005452  0.032033  0.036632  0.033097  0.004405
.
25601       0 -0.006442  0.004844  0.011139  0.019040 -0.017079 -0.006084
25601   2.300 -0.006442  0.004844  0.011139  0.019040  0.008539  0.005056
.
25701       0  0.005057  0.005144 -0.011138 -0.019040  0.008539 -0.005478
25701   2.300  0.005057  0.005144 -0.011138 -0.019040 -0.017078  0.006353
.
25801       0  0.018799  0.005958 -0.032033 -0.036631  0.033096 -0.005029
25801   2.300  0.018799  0.005958 -0.032033 -0.036631 -0.040576  0.008673
.
.ID Hip¢tesi   2
.SK 4
.TP 20
CARGAS:                    ''                                  Ejec.  "HIP"
================================================================================
Hip¢tesis      Factor         Etapa      T¡tulo
  2            1.0000                    Peso propio losa
================================================================================
.ID REA3,STATIK2,1.58
.UN  M,KN
.EL !LHIP.004
.SK 3
.TP 12
.TK 4
REACCIONES EN APOYOS:
NUDOS            FX          FY          FZ          MX          MY          MZ
                [kN]        [kN]        [kN]       [kNm]       [kNm]       [kNm]
--------------------------------------------------------------------------------
 1101     -0.000392   -0.000120      38.271
 1201     -0.000419   -0.000112      83.871
 1301     -0.000438   -0.000109      84.426
 1401     -0.000457   -0.000111      83.871
 1501     -0.000483   -0.000119      38.271
 5111      0.000392   -0.000120      38.271
 5211      0.000419   -0.000112      83.871
 5311      0.000439   -0.000109      84.426
 5411      0.000458   -0.000111      83.871
 5511      0.000483   -0.000119      38.271
11113      0.945641   -5.18E-05     695.944    0.000570      -2.553    0.029432
11313        2.109    0.000624     796.946   -0.006483    0.596773    0.015054
11513       -2.109    0.000624     796.946   -0.006483   -0.596949   -0.015054
11713     -0.945647   -5.17E-05     695.944    0.000570       2.553   -0.029432
```

```
. ---------------------------------------
. Sumas:   1.19E-07   2.87E-10   3643.200
.ID SKR3,STATIK2,1.58
.UN  M,KN
.EL !LHIP.004
.SK 3
.TP 12
.TK 4
ESFUERZOS:
Barra Distancia          N          Vy          Vz          Mx          My          Mz
          [m]       [kN]        [kN]        [kN]       [kNm]       [kNm]       [kNm]
--------------------------------------------------------------------------------
 1101       0   0.007155   -0.024521      33.880      -2.025       1.870   -0.010119
 1101   1.270   0.007155   -0.024521      33.880      -2.025      44.895   -0.041260
.
 1102       0   0.014429   -0.028009      27.496      -2.172      46.657   -0.051334
 1102   1.270   0.014429   -0.028009      27.496      -2.172      81.575   -0.086905
.
 1103       0   0.019079   -0.021998      20.186      -1.736      83.026   -0.092771
 1103   1.270   0.019079   -0.021998      20.186      -1.736     108.661   -0.120707
.
 1104       0   0.021310   -0.014038      12.326      -1.062     109.669   -0.123349
 1104   1.270   0.021310   -0.014038      12.326      -1.062     125.322   -0.141176
.
 1105       0   0.021210   -0.006186       4.167   -0.278614     125.806   -0.141072
 1105   1.270   0.021210   -0.006186       4.167   -0.278614     131.098   -0.148927
.
 1106       0   0.018618    0.001488      -4.074    0.542332     131.016   -0.145981
 1106   1.270   0.018618    0.001488      -4.074    0.542332     125.843   -0.144091
.
 1107       0   0.013399    0.009094     -12.185       1.351     125.196   -0.138102
 1107   1.270   0.013399    0.009094     -12.185       1.351     109.723   -0.126554
.
 1108       0   0.005625    0.015196     -19.962       2.117     108.552   -0.117297
 1108   1.270   0.005625    0.015196     -19.962       2.117      83.201   -0.097989
.
 1109       0  -0.003740    0.013597     -27.248       2.834      81.588   -0.085906
 1109   1.270  -0.003740    0.013597     -27.248       2.834      46.985   -0.068639
.
 1110       0  -0.008904   -0.003675     -34.068       3.995      45.066   -0.061317
 1110   1.270  -0.008904   -0.003675     -34.068       3.995       1.802   -0.065985
.
 1201       0  -0.000214    0.015969      65.625      -1.879      -1.384   -0.013141
 1201   1.270  -0.000214    0.015969      65.625      -1.879      81.956    0.007138
.
 1202       0   0.000405    0.016633      49.493      -1.918      80.663   -0.009130
 1202   1.270   0.000405    0.016633      49.493      -1.918     143.516    0.011994
.
 1203       0   0.003444    0.011368      34.598      -1.514     142.469   -0.001980
 1203   1.270   0.003444    0.011368      34.598      -1.514     186.406    0.012457
.
 1204       0   0.006841    0.005507      20.477   -0.932222     185.692    0.003401
 1204   1.270   0.006841    0.005507      20.477   -0.932222     211.696    0.010394
.
 1205       0   0.009565   -0.000347       6.772   -0.261786     211.361    0.007518
 1205   1.270   0.009565   -0.000347       6.772   -0.261786     219.962    0.007077
.
 1206       0   0.011484   -0.006774      -6.832    0.433168     220.027    0.010931
 1206   1.270   0.011484   -0.006774      -6.832    0.433168     211.351    0.002329
```

1207	0	0.012951	-0.014118	-20.633	1.086	211.818	0.012731
1207	1.270	0.012951	-0.014118	-20.633	1.086	185.615	-0.005198
1208	0	0.014937	-0.020514	-34.927	1.621	186.465	0.010011
1208	1.270	0.014937	-0.020514	-34.927	1.621	142.109	-0.016040
1209	0	0.018943	-0.017055	-49.955	1.931	143.297	-0.000995
1209	1.270	0.018943	-0.017055	-49.955	1.931	79.856	-0.022653
1210	0	0.022665	0.011546	-65.698	1.863	81.288	-0.018051
1210	1.270	0.022665	0.011546	-65.698	1.863	-2.145	-0.003388
1301	0	0.000913	0.014527	69.898	-2.07E-07	-0.964715	-0.013450
1301	1.270	0.000913	0.014527	69.898	-2.07E-07	87.802	0.004999
1302	0	0.001578	0.018836	55.131	-1.93E-07	86.880	-0.012908
1302	1.270	0.001578	0.018836	55.131	-1.93E-07	156.894	0.011012
1303	0	0.002488	0.016107	39.742	-1.00E-07	156.097	-0.007119
1303	1.270	0.002488	0.016107	39.742	-1.00E-07	206.568	0.013337
1304	0	0.003700	0.010272	23.902	3.61E-08	205.988	-0.000772
1304	1.270	0.003700	0.010272	23.902	3.61E-08	236.342	0.012273
1305	0	0.005302	0.003719	7.831	2.01E-07	236.051	0.004446
1305	1.270	0.005302	0.003719	7.831	2.01E-07	245.995	0.009168
1306	0	0.007373	-0.002743	-8.281	3.81E-07	246.029	0.008322
1306	1.270	0.007373	-0.002743	-8.281	3.81E-07	235.512	0.004838
1307	0	0.009761	-0.008717	-24.257	5.57E-07	235.869	0.010624
1307	1.270	0.009761	-0.008717	-24.257	5.57E-07	205.064	-0.000446
1308	0	0.011536	-0.012982	-39.910	6.65E-07	205.700	0.010505
1308	1.270	0.011536	-0.012982	-39.910	6.65E-07	155.016	-0.005981
1309	0	0.010404	-0.013002	-55.085	4.34E-07	155.857	0.007031
1309	1.270	0.010404	-0.013002	-55.085	4.34E-07	85.903	-0.009481
1310	0	0.003861	-0.006708	-69.759	-1.52E-06	86.864	0.000751
1310	1.270	0.003861	-0.006708	-69.759	-1.52E-06	-1.727	-0.007768
1401	0	0.001342	0.017182	65.625	1.879	-1.384	-0.014468
1401	1.270	0.001342	0.017182	65.625	1.879	81.957	0.007353
1402	0	0.001208	0.018675	49.492	1.918	80.664	-0.010972
1402	1.270	0.001208	0.018675	49.492	1.918	143.516	0.012744
1403	0	-0.001068	0.014135	34.598	1.514	142.469	-0.004207
1403	1.270	-0.001068	0.014135	34.598	1.514	186.406	0.013743
1404	0	-0.003354	0.009224	20.477	0.932222	185.692	0.000576
1404	1.270	-0.003354	0.009224	20.477	0.932222	211.696	0.012290
1405	0	-0.004492	0.004986	6.773	0.261786	211.361	0.003797
1405	1.270	-0.004492	0.004986	6.773	0.261786	219.962	0.010129
1406	0	-0.004180	0.001491	-6.832	-0.433168	220.027	0.006471
1406	1.270	-0.004180	0.001491	-6.832	-0.433168	211.351	0.008365
1407	0	-0.002499	-0.001455	-20.633	-1.086	211.818	0.009569
1407	1.270	-0.002499	-0.001455	-20.633	-1.086	185.615	0.007721
1408	0	0.000139	-0.005914	-34.928	-1.621	186.466	0.014332
1408	1.270	0.000139	-0.005914	-34.928	-1.621	142.108	0.006821
1409	0	0.002265	-0.017560	-49.956	-1.931	143.297	0.020458
1409	1.270	0.002265	-0.017560	-49.956	-1.931	79.855	-0.001842
1410	0	-0.001038	-0.039037	-65.698	-1.863	81.288	0.020758
1410	1.270	-0.001038	-0.039037	-65.698	-1.863	-2.145	-0.028881
1501	0	-0.007006	-0.023728	33.880	2.025	1.870	-0.010895
1501	1.270	-0.007006	-0.023728	33.880	2.025	44.895	-0.041029
1502	0	-0.015431	-0.026707	27.496	2.172	46.657	-0.052397
1502	1.270	-0.015431	-0.026707	27.496	2.172	81.575	-0.086313
1503	0	-0.021753	-0.020136	20.186	1.736	83.026	-0.094091
1503	1.270	-0.021753	-0.020136	20.186	1.736	108.661	-0.119726
1504	0	-0.026308	-0.011536	12.327	1.062	109.668	-0.125033
1504	1.270	-0.026308	-0.011536	12.327	1.062	125.323	-0.139683
1505	0	-0.029396	-0.002743	4.166	0.278614	125.806	-0.143221
1505	1.270	-0.029396	-0.002743	4.166	0.278614	131.097	-0.146705
1506	0	-0.031105	0.005964	-4.073	-0.542382	131.016	-0.148639
1506	1.270	-0.031105	0.005964	-4.073	-0.542382	125.843	-0.141065
1507	0	-0.031422	0.014625	-12.185	-1.351	125.197	-0.141397
1507	1.270	-0.031422	0.014625	-12.185	-1.351	109.722	-0.122825
1508	0	-0.030046	0.023642	-19.961	-2.117	108.552	-0.121281
1508	1.270	-0.030046	0.023642	-19.961	-2.117	83.202	-0.091257
1509	0	-0.025682	0.033448	-27.247	-2.884	81.588	-0.086201
1509	1.270	-0.025682	0.033448	-27.247	-2.884	46.985	-0.043723
1510	0	-0.014395	0.037353	-34.068	-3.995	45.066	-0.028962
1510	1.270	-0.014395	0.037353	-34.068	-3.995	1.802	0.018474
2101	0	-0.102294	-0.113404	39.367	-4.356	2.260	0.082921
2101	1.390	-0.102294	-0.113404	39.367	-4.356	56.979	-0.074705
2102	0	-0.119647	-0.060106	31.653	-3.189	59.436	-0.051699
2102	1.390	-0.119647	-0.060106	31.653	-3.189	103.432	-0.135244
2103	0	-0.132620	-0.034035	23.262	-2.332	105.476	-0.118386
2103	1.390	-0.132620	-0.034035	23.262	-2.332	137.809	-0.165693
2104	0	-0.139187	-0.019658	14.228	-1.436	139.256	-0.157623
2104	1.390	-0.139187	-0.019658	14.228	-1.436	159.032	-0.184946
2105	0	-0.143735	-0.009052	4.784	-0.474286	159.775	-0.179565
2105	1.390	-0.143735	-0.009052	4.784	-0.474286	166.424	-0.192147

2106	0	-0.149966	-0.000328	-4.795	0.512986	166.409	-0.184913
2106	1.390	-0.149966	-0.000328	-4.795	0.512986	159.744	-0.185368
2107	0	-0.160514	0.006997	-14.232	1.477	158.973	-0.173205
2107	1.390	-0.160514	0.006997	-14.232	1.477	139.191	-0.163480
2108	0	-0.177453	0.011191	-23.248	2.378	137.714	-0.143469
2108	1.390	-0.177453	0.011191	-23.248	2.378	105.401	-0.127914
2109	0	-0.201622	0.000761	-31.607	3.244	103.325	-0.097341
2109	1.390	-0.201622	0.000761	-31.607	3.244	59.393	-0.096283
2110	0	-0.222615	-0.046365	-39.277	4.431	56.900	-0.068054
2110	1.390	-0.222615	-0.046365	-39.277	4.431	2.307	-0.132499
2201	0	-0.232646	-0.016944	72.242	-2.320	-2.734	0.027806
2201	1.390	-0.232646	-0.016944	72.242	-2.320	97.678	0.004255
2202	0	-0.214574	-0.019611	54.763	-2.341	95.906	0.020798
2202	1.390	-0.214574	-0.019611	54.763	-2.341	172.023	-0.006460
2203	0	-0.201058	-0.008726	38.231	-1.914	170.575	0.007601
2203	1.390	-0.201058	-0.008726	38.231	-1.914	223.714	-0.004528
2204	0	-0.193735	-0.002280	22.583	-1.231	222.706	0.003155
2204	1.390	-0.193735	-0.002280	22.583	-1.231	254.095	-1.44E-05
2205	0	-0.189694	-0.003712	7.484	-0.413817	253.585	0.006636
2205	1.390	-0.189694	-0.003712	7.484	-0.413817	263.987	0.001477
2206	0	-0.187067	-0.010750	-7.434	0.445181	263.997	0.013375
2206	1.390	-0.187067	-0.010750	-7.434	0.445181	253.664	-0.001567
2207	0	-0.184374	-0.022380	-22.546	1.261	254.194	0.020177
2207	1.390	-0.184374	-0.022380	-22.546	1.261	222.857	-0.010930
2208	0	-0.179137	-0.037100	-38.226	1.942	223.888	0.022027
2208	1.390	-0.179137	-0.037100	-38.226	1.942	170.757	-0.029541
2209	0	-0.166667	-0.040857	-54.816	2.362	172.234	0.008571
2209	1.390	-0.166667	-0.040857	-54.816	2.362	96.043	-0.048217
2210	0	-0.149023	0.002431	-72.384	2.321	97.850	-0.027397
2210	1.390	-0.149023	0.002431	-72.384	2.321	-2.760	-0.024017
2301	0	-0.247243	0.012801	76.935	-2.25E-06	-2.389	-0.015955
2301	1.390	-0.247243	0.012801	76.935	-2.25E-06	104.546	0.001837
2302	0	-0.234956	0.017376	60.622	4.01E-07	103.190	-0.013226
2302	1.390	-0.234956	0.017376	60.622	4.01E-07	187.451	0.010925
2303	0	-0.218854	0.015699	43.767	8.38E-07	186.272	-0.008146
2303	1.390	-0.218854	0.015699	43.767	8.38E-07	247.106	0.013674
2304	0	-0.206538	0.010183	26.433	9.07E-07	246.235	-0.001886
2304	1.390	-0.206538	0.010183	26.433	9.07E-07	282.974	0.012269
2305	0	-0.198192	0.003330	8.816	9.28E-07	282.514	0.003943
2305	1.390	-0.198192	0.003330	8.816	9.28E-07	294.769	0.008572
2306	0	-0.191223	-0.003779	-8.883	9.56E-07	294.777	0.008847
2306	1.390	-0.191223	-0.003779	-8.883	9.56E-07	282.430	0.003595
2307	0	-0.183295	-0.010668	-26.491	1.00E-06	282.906	0.012436
2307	1.390	-0.183295	-0.010668	-26.491	1.00E-06	246.085	-0.002392
2308	0	-0.174064	-0.016031	-43.798	1.06E-06	246.968	0.013507
2308	1.390	-0.174064	-0.016031	-43.798	1.06E-06	186.091	-0.008775
2309	0	-0.167888	-0.016681	-60.599	1.06E-06	187.275	0.010171
2309	1.390	-0.167888	-0.016681	-60.599	1.06E-06	103.046	-0.013014
2310	0	-0.174584	-0.009271	-76.825	5.93E-07	104.404	0.001460
2310	1.390	-0.174584	-0.009271	-76.825	5.93E-07	-2.379	-0.011425
2401	0	-0.255974	0.049901	72.242	2.320	-2.735	-0.067292
2401	1.390	-0.255974	0.049901	72.242	2.320	97.678	0.002067
2402	0	-0.231186	0.059155	54.763	2.341	95.906	-0.050391
2402	1.390	-0.231186	0.059155	54.763	2.341	172.023	0.031831
2403	0	-0.218389	0.038155	38.231	1.914	170.575	-0.020178
2403	1.390	-0.218389	0.038155	38.231	1.914	223.714	0.032856
2404	0	-0.214215	0.019454	22.583	1.231	222.706	-0.003090
2404	1.390	-0.214215	0.019454	22.583	1.231	254.095	0.023950
2405	0	-0.212264	0.009159	7.485	0.413818	253.584	0.002775
2405	1.390	-0.212264	0.009159	7.485	0.413818	263.988	0.015505
2406	0	-0.209545	0.004663	-7.435	-0.445180	263.997	0.004047
2406	1.390	-0.209545	0.004663	-7.435	-0.445180	253.663	0.010527
2407	0	-0.204616	0.004581	-22.546	-1.261	254.194	0.004184
2407	1.390	-0.204616	0.004581	-22.546	-1.261	222.856	0.010552
2408	0	-0.196293	0.006964	-38.226	-1.942	223.888	0.006746
2408	1.390	-0.196293	0.006964	-38.226	-1.942	170.756	0.016425
2409	0	-0.183864	0.000354	-54.815	-2.362	172.234	0.017224
2409	1.390	-0.183864	0.000354	-54.815	-2.362	96.044	0.017717
2410	0	-0.174875	-0.035832	-72.384	-2.321	97.850	0.034060
2410	1.390	-0.174875	-0.035832	-72.384	-2.321	-2.760	-0.015744
2501	0	-0.105295	0.067022	39.367	4.356	2.260	-0.132503
2501	1.390	-0.105295	0.067022	39.367	4.356	56.979	-0.039346
2502	0	-0.143089	0.002564	31.652	3.189	59.436	-0.089957
2502	1.390	-0.143089	0.002564	31.652	3.189	103.432	-0.086393
2503	0	-0.172531	-0.011717	23.263	2.332	105.475	-0.123636
2503	1.390	-0.172531	-0.011717	23.263	2.332	137.809	-0.139922
2504	0	-0.189777	-0.008324	14.229	1.436	139.255	-0.160541
2504	1.390	-0.189777	-0.008324	14.229	1.436	159.033	-0.172111
2505	0	-0.199566	-0.000346	4.783	0.474288	159.775	-0.183554

2505	1.390	-0.199566	-0.000346	4.783	0.474288	166.423	-0.184036
2506	0	-0.205650	0.009568	-4.795	-0.512986	166.409	-0.191104
2506	1.390	-0.205650	0.009568	-4.795	-0.512986	159.744	-0.177805
2507	0	-0.210653	0.020848	-14.233	-1.477	158.974	-0.183555
2507	1.390	-0.210653	0.020848	-14.233	-1.477	139.190	-0.154578
2508	0	-0.216505	0.034353	-23.247	-2.378	137.713	-0.161546
2508	1.390	-0.216505	0.034353	-23.247	-2.378	105.401	-0.113798
2509	0	-0.223412	0.055798	-31.608	-3.244	103.325	-0.122916
2509	1.390	-0.223412	0.055798	-31.608	-3.244	59.392	-0.045360
2510	0	-0.222354	0.088412	-39.277	-4.431	56.900	-0.043700
2510	1.390	-0.222354	0.088412	-39.277	-4.431	2.307	0.079188
3101	0	-0.413889	-0.170226	49.597	-5.189	3.343	0.147835
3101	1.640	-0.413889	-0.170226	49.597	-5.189	84.679	-0.131324
3102	0	-0.456577	-0.080319	40.290	-3.928	88.395	-0.074740
3102	1.640	-0.456577	-0.080319	40.290	-3.928	154.468	-0.206458
3103	0	-0.481654	-0.044160	29.790	-2.914	157.542	-0.174747
3103	1.640	-0.481654	-0.044160	29.790	-2.914	206.396	-0.247167
3104	0	-0.490507	-0.023951	18.283	-1.805	208.566	-0.236631
3104	1.640	-0.490507	-0.023951	18.283	-1.805	238.549	-0.275910
3105	0	-0.492616	-0.007649	6.162	-0.611093	239.667	-0.273427
3105	1.640	-0.492616	-0.007649	6.162	-0.611093	249.772	-0.285970
3106	0	-0.492616	0.007647	-6.160	0.611087	249.771	-0.285969
3106	1.640	-0.492616	0.007647	-6.160	0.611087	239.668	-0.273428
3107	0	-0.490507	0.023952	-18.284	1.805	238.550	-0.275911
3107	1.640	-0.490507	0.023952	-18.284	1.805	208.566	-0.236631
3108	0	-0.481654	0.044161	-29.791	2.914	206.397	-0.247168
3108	1.640	-0.481654	0.044161	-29.791	2.914	157.542	-0.174747
3109	0	-0.456577	0.080319	-40.290	3.928	154.469	-0.206459
3109	1.640	-0.456577	0.080319	-40.290	3.928	88.396	-0.074742
3110	0	-0.413889	0.170225	-49.597	5.189	84.680	-0.131325
3110	1.640	-0.413889	0.170225	-49.597	5.189	3.344	0.147833
3201	0	-0.725237	-0.030525	82.609	-3.298	-4.050	0.051700
3201	1.640	-0.725237	-0.030525	82.609	-3.298	131.423	0.001641
3202	0	-0.681401	-0.035909	62.222	-3.243	128.878	0.041536
3202	1.640	-0.681401	-0.035909	62.222	-3.243	230.918	-0.017352
3203	0	-0.656458	-0.012285	43.286	-2.615	228.864	0.011743
3203	1.640	-0.656458	-0.012285	43.286	-2.615	299.850	-0.008403
3204	0	-0.645148	0.000169	25.526	-1.677	298.437	0.000994
3204	1.640	-0.645148	0.000169	25.526	-1.677	340.298	0.001271
3205	0	-0.640582	0.001226	8.440	-0.576120	339.583	0.001880
3205	1.640	-0.640582	0.001226	8.440	-0.576120	353.423	0.003891
3206	0	-0.640582	-0.001226	-8.438	0.576115	353.422	0.003891
3206	1.640	-0.640582	-0.001226	-8.438	0.576115	339.584	0.001880
3207	0	-0.645148	-0.000169	-25.527	1.677	340.299	0.001271
3207	1.640	-0.645148	-0.000169	-25.527	1.677	298.437	0.000994
3208	0	-0.656458	0.012284	-43.285	2.615	299.850	-0.008403
3208	1.640	-0.656458	0.012284	-43.285	2.615	228.865	0.011743
3209	0	-0.681401	0.035909	-62.223	3.243	230.920	-0.017352
3209	1.640	-0.681401	0.035909	-62.223	3.243	128.878	0.041535
3210	0	-0.725236	0.030525	-82.608	3.298	131.423	0.001641
3210	1.640	-0.725236	0.030525	-82.608	3.298	-4.048	0.051699
3301	0	-0.745030	0.018436	87.489	3.07E-07	-3.934	-0.020173
3301	1.640	-0.745030	0.018436	87.489	3.07E-07	139.542	0.010062
3302	0	-0.720048	0.024520	68.674	1.12E-06	137.221	-0.019914
3302	1.640	-0.720048	0.024520	68.674	1.12E-06	249.842	0.020297
3303	0	-0.689173	0.021240	49.348	9.50E-07	247.819	-0.013682
3303	1.640	-0.689173	0.021240	49.348	9.50E-07	328.746	0.021150
3304	0	-0.670724	0.013447	29.682	5.96E-07	327.244	-0.005183
3304	1.640	-0.670724	0.013447	29.682	5.96E-07	375.919	0.016869
3305	0	-0.663412	0.004527	9.900	2.01E-07	375.118	0.002971
3305	1.640	-0.663412	0.004527	9.900	2.01E-07	391.354	0.010395
3306	0	-0.663412	-0.004527	-9.900	-2.01E-07	391.353	0.010395
3306	1.640	-0.663412	-0.004527	-9.900	-2.01E-07	375.118	0.002972
3307	0	-0.670724	-0.013446	-29.682	-5.96E-07	375.920	0.016869
3307	1.640	-0.670724	-0.013446	-29.682	-5.96E-07	327.244	-0.005183
3308	0	-0.689173	-0.021240	-49.348	-9.50E-07	328.746	0.021150
3308	1.640	-0.689173	-0.021240	-49.348	-9.50E-07	247.819	-0.013682
3309	0	-0.720048	-0.024520	-68.673	-1.12E-06	249.842	0.020297
3309	1.640	-0.720048	-0.024520	-68.673	-1.12E-06	137.223	-0.019914
3310	0	-0.745029	-0.018437	-87.489	-3.07E-07	139.543	0.010062
3310	1.640	-0.745029	-0.018437	-87.489	-3.07E-07	-3.933	-0.020173
3401	0	-0.753333	0.077270	82.608	3.298	-4.050	-0.103788
3401	1.640	-0.753333	0.077270	82.608	3.298	131.422	0.022931
3402	0	-0.703049	0.086794	62.224	3.243	128.877	-0.082267
3402	1.640	-0.703049	0.086794	62.224	3.243	230.919	0.060069
3403	0	-0.684022	0.049259	43.285	2.615	228.865	-0.032161
3403	1.640	-0.684022	0.049259	43.285	2.615	299.850	0.048620
3404	0	-0.680126	0.021975	25.526	1.677	298.437	-0.006161
3404	1.640	-0.680126	0.021975	25.526	1.677	340.298	0.029876

3405	0	-0.679792	0.006202	8.438	0.576121	339.584	0.005979
3405	1.640	-0.679792	0.006202	8.438	0.576121	353.421	0.016150
3406	0	-0.679792	-0.006202	-8.438	-0.576116	353.422	0.016150
3406	1.640	-0.679792	-0.006202	-8.438	-0.576116	339.584	0.005979
3407	0	-0.680126	-0.021975	-25.526	-1.677	340.298	0.029876
3407	1.640	-0.680126	-0.021975	-25.526	-1.677	298.438	-0.006161
3408	0	-0.684022	-0.049258	-43.286	-2.615	299.850	0.048620
3408	1.640	-0.684022	-0.049258	-43.286	-2.615	228.865	-0.032161
3409	0	-0.703049	-0.086794	-62.224	-3.243	230.920	0.060069
3409	1.640	-0.703049	-0.086794	-62.224	-3.243	128.877	-0.082267
3410	0	-0.753333	-0.077270	-82.608	-3.298	131.423	0.022931
3410	1.640	-0.753333	-0.077270	-82.608	-3.298	-4.049	-0.103787
3501	0	-0.415046	0.105045	49.597	5.189	3.343	-0.206999
3501	1.640	-0.415046	0.105045	49.597	5.189	84.679	-0.034732
3502	0	-0.491459	0.004915	40.290	3.928	88.395	-0.136338
3502	1.640	-0.491459	0.004915	40.290	3.928	154.463	-0.128278
3503	0	-0.541228	-0.014054	29.790	2.914	157.542	-0.190064
3503	1.640	-0.541228	-0.014054	29.790	2.914	206.396	-0.213112
3504	0	-0.566029	-0.011639	18.284	1.805	208.565	-0.242345
3504	1.640	-0.566029	-0.011639	18.284	1.805	238.550	-0.261433
3505	0	-0.576134	-0.004306	6.162	0.611092	239.667	-0.273246
3505	1.640	-0.576134	-0.004306	6.162	0.611092	249.772	-0.280307
3506	0	-0.576134	0.004306	-6.163	-0.611086	249.772	-0.280308
3506	1.640	-0.576134	0.004306	-6.163	-0.611086	239.666	-0.273246
3507	0	-0.566029	0.011638	-18.283	-1.805	238.549	-0.261432
3507	1.640	-0.566029	0.011638	-18.283	-1.805	208.566	-0.242347
3508	0	-0.541228	0.014054	-29.790	-2.914	206.397	-0.213112
3508	1.640	-0.541228	0.014054	-29.790	-2.914	157.543	-0.190065
3509	0	-0.491459	-0.004915	-40.290	-3.928	154.469	-0.128279
3509	1.640	-0.491459	-0.004915	-40.290	-3.928	88.395	-0.136339
3510	0	-0.415047	-0.105044	-49.597	-5.189	84.680	-0.034734
3510	1.640	-0.415047	-0.105044	-49.597	-5.189	3.344	-0.206999
4101	0	-0.222616	0.046365	39.277	-4.431	2.306	-0.132498
4101	1.390	-0.222616	0.046365	39.277	-4.431	56.899	-0.068053
4102	0	-0.201623	-0.000762	31.608	-3.244	59.391	-0.096282
4102	1.390	-0.201623	-0.000762	31.608	-3.244	103.324	-0.097340
4103	0	-0.177454	-0.011190	23.248	-2.378	105.400	-0.127914
4103	1.390	-0.177454	-0.011190	23.248	-2.378	137.713	-0.143468
4104	0	-0.160515	-0.006997	14.233	-1.477	139.190	-0.163479
4104	1.390	-0.160515	-0.006997	14.233	-1.477	158.973	-0.173205
4105	0	-0.149967	0.000328	4.795	-0.512992	159.744	-0.185368
4105	1.390	-0.149967	0.000328	4.795	-0.512992	166.409	-0.184912
4106	0	-0.143736	0.009052	-4.783	0.474282	166.424	-0.192147
4106	1.390	-0.143736	0.009052	-4.783	0.474282	159.775	-0.179565
4107	0	-0.139187	0.019658	-14.229	1.436	159.033	-0.184947
4107	1.390	-0.139187	0.019658	-14.229	1.436	139.256	-0.157623
4108	0	-0.132621	0.034035	-23.262	2.332	137.809	-0.165694
4108	1.390	-0.132621	0.034035	-23.262	2.332	105.477	-0.118387
4109	0	-0.119647	0.060106	-31.652	3.189	103.433	-0.135244
4109	1.390	-0.119647	0.060106	-31.652	3.189	59.438	-0.051700
4110	0	-0.102295	0.113404	-39.367	4.356	56.979	-0.074706
4110	1.390	-0.102295	0.113404	-39.367	4.356	2.261	0.082920
4201	0	-0.149024	-0.002432	72.384	-2.321	-2.760	-0.024017
4201	1.390	-0.149024	-0.002432	72.384	-2.321	97.850	-0.027397
4202	0	-0.166668	0.040856	54.815	-2.362	96.043	-0.048217
4202	1.390	-0.166668	0.040856	54.815	-2.362	172.234	0.008571
4203	0	-0.179138	0.037100	38.227	-1.942	170.756	-0.029541
4203	1.390	-0.179138	0.037100	38.227	-1.942	223.889	0.022027
4204	0	-0.184375	0.022380	22.546	-1.261	222.857	-0.010930
4204	1.390	-0.184375	0.022380	22.546	-1.261	254.194	0.020177
4205	0	-0.187067	0.010750	7.435	-0.445185	253.663	-0.001567
4205	1.390	-0.187067	0.010750	7.435	-0.445185	263.998	0.013375
4206	0	-0.189696	0.003712	-7.485	0.413813	263.988	0.001477
4206	1.390	-0.189696	0.003712	-7.485	0.413813	253.584	0.006636
4207	0	-0.193736	0.002280	-22.582	1.231	254.095	-1.44E-05
4207	1.390	-0.193736	0.002280	-22.582	1.231	222.706	0.003155
4208	0	-0.201059	0.008726	-38.230	1.914	223.713	-0.004528
4208	1.390	-0.201059	0.008726	-38.230	1.914	170.576	0.007601
4209	0	-0.214575	0.019612	-54.764	2.341	172.024	-0.006461
4209	1.390	-0.214575	0.019612	-54.764	2.341	95.905	0.020798
4210	0	-0.232647	0.016944	-72.242	2.320	97.679	0.004255
4210	1.390	-0.232647	0.016944	-72.242	2.320	-2.734	0.027806
4301	0	-0.174586	0.009270	76.825	-5.93E-07	-2.379	-0.011425
4301	1.390	-0.174586	0.009270	76.825	-5.93E-07	104.403	0.001460
4302	0	-0.167889	0.016681	60.600	-1.06E-06	103.045	-0.013014
4302	1.390	-0.167889	0.016681	60.600	-1.06E-06	187.275	0.010171
4303	0	-0.174065	0.016031	43.799	-1.06E-06	186.091	-0.008775
4303	1.390	-0.174065	0.016031	43.799	-1.06E-06	246.968	0.013507

4304	0	-0.183296	0.010668	26.490	-1.00E-06	246.086	-0.002392
4304	1.390	-0.183296	0.010668	26.490	-1.00E-06	282.905	0.012435
4305	0	-0.191225	0.003779	8.885	-9.56E-07	282.429	0.003595
4305	1.390	-0.191225	0.003779	8.885	-9.56E-07	294.778	0.008847
4306	0	-0.198193	-0.003330	-8.813	-9.28E-07	294.770	0.008572
4306	1.390	-0.198193	-0.003330	-8.813	-9.28E-07	282.513	0.003943
4307	0	-0.206539	-0.010183	-26.431	-9.07E-07	282.973	0.012269
4307	1.390	-0.206539	-0.010183	-26.431	-9.07E-07	246.236	-0.001885
4308	0	-0.218855	-0.015699	-43.768	-8.38E-07	247.107	0.013674
4308	1.390	-0.218855	-0.015699	-43.768	-8.38E-07	186.272	-0.008146
4309	0	-0.234957	-0.017376	-60.621	-4.01E-07	187.450	0.010925
4309	1.390	-0.234957	-0.017376	-60.621	-4.01E-07	103.191	-0.013226
4310	0	-0.247244	-0.012801	-76.935	2.25E-06	104.547	0.001838
4310	1.390	-0.247244	-0.012801	-76.935	2.25E-06	-2.389	-0.015955
4401	0	-0.174877	0.035832	72.384	2.321	-2.760	-0.015745
4401	1.390	-0.174877	0.035832	72.384	2.321	97.850	0.034060
4402	0	-0.183865	-0.000354	54.817	2.362	96.043	0.017717
4402	1.390	-0.183865	-0.000354	54.817	2.362	172.235	0.017224
4403	0	-0.196294	-0.006963	38.226	1.942	170.756	0.016425
4403	1.390	-0.196294	-0.006963	38.226	1.942	223.888	0.006746
4404	0	-0.204617	-0.004581	22.546	1.261	222.856	0.010552
4404	1.390	-0.204617	-0.004581	22.546	1.261	254.194	0.004184
4405	0	-0.209546	-0.004662	7.434	0.445184	253.664	0.010527
4405	1.390	-0.209546	-0.004662	7.434	0.445184	263.997	0.004047
4406	0	-0.212265	-0.009159	-7.483	-0.413815	263.987	0.015505
4406	1.390	-0.212265	-0.009159	-7.483	-0.413815	253.585	0.002775
4407	0	-0.214216	-0.019454	-22.584	-1.231	254.095	0.023950
4407	1.390	-0.214216	-0.019454	-22.584	-1.231	222.705	-0.003090
4408	0	-0.218389	-0.038155	-38.231	-1.914	223.714	0.032856
4408	1.390	-0.218389	-0.038155	-38.231	-1.914	170.575	-0.020178
4409	0	-0.231188	-0.059155	-54.763	-2.341	172.024	0.031831
4409	1.390	-0.231188	-0.059155	-54.763	-2.341	95.906	-0.050391
4410	0	-0.255975	-0.049901	-72.242	-2.320	97.678	0.002067
4410	1.390	-0.255975	-0.049901	-72.242	-2.320	-2.734	-0.067292
4501	0	-0.222355	-0.088412	39.277	4.431	-2.306	0.079188
4501	1.390	-0.222355	-0.088412	39.277	4.431	56.899	-0.043699
4502	0	-0.223412	-0.055797	31.607	3.244	59.392	-0.045360
4502	1.390	-0.223412	-0.055797	31.607	3.244	103.324	-0.122915
4503	0	-0.216506	-0.034353	23.247	2.378	105.400	-0.113797
4503	1.390	-0.216506	-0.034353	23.247	2.378	137.713	-0.161545
4504	0	-0.210654	-0.020848	14.234	1.477	139.190	-0.154578
4504	1.390	-0.210654	-0.020848	14.234	1.477	158.974	-0.183555
4505	0	-0.205651	-0.009569	4.796	0.512990	159.743	-0.177804
4505	1.390	-0.205651	-0.009569	4.796	0.512990	166.410	-0.191105
4506	0	-0.199567	0.000348	-4.784	-0.474283	166.424	-0.184037
4506	1.390	-0.199567	0.000348	-4.784	-0.474283	159.775	-0.183554
4507	0	-0.189777	0.008325	-14.229	-1.436	159.034	-0.172112
4507	1.390	-0.189777	0.008325	-14.229	-1.436	139.256	-0.160541
4508	0	-0.172531	0.011716	-23.262	-2.332	137.809	-0.139922
4508	1.390	-0.172531	0.011716	-23.262	-2.332	105.477	-0.123637
4509	0	-0.143090	-0.002563	-31.653	-3.189	103.433	-0.086395
4509	1.390	-0.143090	-0.002563	-31.653	-3.189	59.437	-0.089958
4510	0	-0.105296	-0.067023	-39.366	-4.356	56.979	-0.039346
4510	1.390	-0.105296	-0.067023	-39.366	-4.356	2.262	-0.132504
5101	0	-0.008904	0.003676	34.067	-3.995	1.802	-0.065986
5101	1.270	-0.008904	0.003676	34.067	-3.995	45.066	-0.061318
5102	0	-0.003740	-0.013597	27.248	-2.884	46.985	-0.068639
5102	1.270	-0.003740	-0.013597	27.248	-2.884	81.588	-0.085906
5103	0	0.005625	-0.015197	19.962	-2.117	83.201	-0.097989
5103	1.270	0.005625	-0.015197	19.962	-2.117	108.552	-0.117287
5104	0	0.013399	-0.009093	12.184	-1.351	109.723	-0.126554
5104	1.270	0.013399	-0.009093	12.184	-1.351	125.196	-0.138102
5105	0	0.018618	-0.001489	4.074	-0.542378	125.842	-0.144091
5105	1.270	0.018618	-0.001489	4.074	-0.542378	131.016	-0.145981
5106	0	0.021210	0.006185	-4.167	0.278617	131.097	-0.148926
5106	1.270	0.021210	0.006185	-4.167	0.278617	125.805	-0.141072
5107	0	0.021310	0.014039	-12.327	1.062	125.323	-0.141177
5107	1.270	0.021310	0.014039	-12.327	1.062	109.668	-0.123348
5108	0	0.019079	0.021998	-20.187	1.736	108.661	-0.120707
5108	1.270	0.019079	0.021998	-20.187	1.736	83.025	-0.092771
5109	0	0.014429	0.028010	-27.496	2.172	81.575	-0.086905
5109	1.270	0.014429	0.028010	-27.496	2.172	46.656	-0.051334
5110	0	0.007155	0.024522	-33.880	2.025	44.895	-0.041260
5110	1.270	0.007155	0.024522	-33.880	2.025	1.869	-0.010119
5201	0	0.022665	-0.011546	65.698	-1.863	-2.145	-0.003388
5201	1.270	0.022665	-0.011546	65.698	-1.863	81.288	-0.018051
5202	0	0.018943	0.017055	49.955	-1.931	79.856	-0.022653
5202	1.270	0.018943	0.017055	49.955	-1.931	143.296	-0.000995
5203	0	0.014937	0.020514	34.928	-1.621	142.108	-0.016040

5203	1.270	0.014937	0.020514	34.928	-1.621	186.465	0.010012
5204	0	0.012951	0.014118	20.633	-1.086	185.615	-0.005198
5204	1.270	0.012951	0.014118	20.633	-1.086	211.817	0.012731
5205	0	0.011484	0.006774	6.830	-0.433164	211.352	0.002328
5205	1.270	0.011484	0.006774	6.830	-0.433164	220.026	0.010931
5206	0	0.009566	0.000347	-6.771	0.261787	219.960	0.007077
5206	1.270	0.009566	0.000347	-6.771	0.261787	211.362	0.007518
5207	0	0.006841	-0.005507	-20.477	0.932221	211.697	0.010394
5207	1.270	0.006841	-0.005507	-20.477	0.932221	185.692	0.003401
5208	0	0.003444	-0.011368	-34.598	1.514	186.407	0.012457
5208	1.270	0.003444	-0.011368	-34.598	1.514	142.469	-0.001980
5209	0	0.000406	-0.016633	-49.492	1.918	143.516	0.011994
5209	1.270	0.000406	-0.016633	-49.492	1.918	80.664	-0.009130
5210	0	-0.000214	-0.015969	-65.625	1.879	81.957	0.007138
5210	1.270	-0.000214	-0.015969	-65.625	1.879	-1.383	-0.013141
5301	0	0.003861	0.006708	69.759	1.52E-06	-1.727	-0.007768
5301	1.270	0.003861	0.006708	69.759	1.52E-06	86.863	0.000751
5302	0	0.010405	0.013002	55.084	-4.34E-07	85.903	-0.009481
5302	1.270	0.010405	0.013002	55.084	-4.34E-07	155.857	0.007031
5303	0	0.011536	0.012982	39.912	-6.65E-07	155.015	-0.005981
5303	1.270	0.011536	0.012982	39.912	-6.65E-07	205.700	0.010505
5304	0	0.009761	0.008717	24.256	-5.57E-07	205.065	-0.000446
5304	1.270	0.009761	0.008717	24.256	-5.57E-07	235.868	0.010624
5305	0	0.007373	0.002743	8.281	-3.81E-07	235.512	0.004838
5305	1.270	0.007373	0.002743	8.281	-3.81E-07	246.029	0.008321
5306	0	0.005302	-0.003718	-7.831	-2.01E-07	245.995	0.009168
5306	1.270	0.005302	-0.003718	-7.831	-2.01E-07	236.050	0.004446
5307	0	0.003700	-0.010272	-23.902	-3.61E-08	236.342	0.012273
5307	1.270	0.003700	-0.010272	-23.902	-3.61E-08	205.988	-0.000772
5308	0	0.002489	-0.016108	-39.742	1.00E-07	206.568	0.013337
5308	1.270	0.002489	-0.016108	-39.742	1.00E-07	156.098	-0.007119
5309	0	0.001578	-0.018836	-55.131	1.93E-07	156.894	0.011012
5309	1.270	0.001578	-0.018836	-55.131	1.93E-07	86.881	-0.012908
5310	0	0.000913	-0.014527	-69.898	2.07E-07	87.803	0.004999
5310	1.270	0.000913	-0.014527	-69.898	2.07E-07	-0.963940	-0.013450
5401	0	-0.001038	0.039087	65.698	1.863	-2.146	-0.028880
5401	1.270	-0.001038	0.039087	65.698	1.863	81.288	0.020758
5402	0	0.002265	0.017560	49.956	1.931	79.855	-0.001842
5402	1.270	0.002265	0.017560	49.956	1.931	143.296	0.020458
5403	0	0.000139	0.005914	34.929	1.621	142.108	0.006821
5403	1.270	0.000139	0.005914	34.929	1.621	186.466	0.014332
5404	0	-0.002498	0.001455	20.632	1.086	185.615	0.007721
5404	1.270	-0.002498	0.001455	20.632	1.086	211.817	0.009569
5405	0	-0.004180	-0.001491	6.829	0.433165	211.352	0.008365
5405	1.270	-0.004180	-0.001491	6.829	0.433165	220.025	0.006471
5406	0	-0.004491	-0.004986	-6.771	-0.261788	219.961	0.010129
5406	1.270	-0.004491	-0.004986	-6.771	-0.261788	211.362	0.003797
5407	0	-0.003354	-0.009224	-20.477	-0.932221	211.697	0.012290
5407	1.270	-0.003354	-0.009224	-20.477	-0.932221	185.692	0.000576
5408	0	-0.001068	-0.014135	-34.597	-1.514	186.406	0.013743
5408	1.270	-0.001068	-0.014135	-34.597	-1.514	142.470	-0.004207
5409	0	0.001208	-0.018675	-49.492	-1.918	143.517	0.012744
5409	1.270	0.001208	-0.018675	-49.492	-1.918	80.664	-0.010972
5410	0	0.001342	-0.017182	-65.625	-1.879	81.957	0.007353
5410	1.270	0.001342	-0.017182	-65.625	-1.879	-1.383	-0.014467
5501	0	-0.014394	-0.037354	34.068	3.995	1.802	0.018474
5501	1.270	-0.014394	-0.037354	34.068	3.995	45.066	-0.028963
5502	0	-0.025682	-0.033448	27.248	2.884	46.985	-0.043723
5502	1.270	-0.025682	-0.033448	27.248	2.884	81.588	-0.086201
5503	0	-0.030046	-0.023642	19.962	2.117	83.202	-0.091257
5503	1.270	-0.030046	-0.023642	19.962	2.117	108.552	-0.121251
5504	0	-0.031422	-0.014624	12.185	1.351	109.723	-0.122825
5504	1.270	-0.031422	-0.014624	12.185	1.351	125.197	-0.141397
5505	0	-0.031105	-0.005964	4.074	0.542378	125.842	-0.141064
5505	1.270	-0.031105	-0.005964	4.074	0.542378	131.016	-0.148639
5506	0	-0.029395	0.002744	-4.167	-0.278616	131.097	-0.146705
5506	1.270	-0.029395	0.002744	-4.167	-0.278616	125.805	-0.143220
5507	0	-0.026307	0.011536	-12.327	-1.062	125.323	-0.139682
5507	1.270	-0.026307	0.011536	-12.327	-1.062	109.668	-0.125033
5508	0	-0.021754	0.020186	-20.186	-1.736	108.661	-0.119726
5508	1.270	-0.021754	0.020186	-20.186	-1.736	83.025	-0.094091
5509	0	-0.015430	0.026707	-27.496	-2.172	81.575	-0.086313
5509	1.270	-0.015430	0.026707	-27.496	-2.172	46.656	-0.052396
5510	0	-0.007007	0.023729	-33.880	-2.025	44.895	-0.041030
5510	1.270	-0.007007	0.023729	-33.880	-2.025	1.869	-0.010895
11201	0	-41.197	0.075595	0.245345	0.136370	-0.218844	7.224
11201	0.825	-41.197	0.075595	0.245345	0.136370	-0.016443	7.286
11202	0	-47.301	0.073755	-0.391077	0.135916	0.340930	7.449
11202	0.825	-47.301	0.073755	-0.391077	0.135916	0.018304	7.510

.							
11203	0	-0.268154	0.078062	-41.195	7.289	-0.000247	-0.136369
11203	0.300	-0.268154	0.078062	-41.195	7.289	-12.358	-0.112951
.							
11204	0	-0.409317	-0.078061	-47.291	-7.513	-0.000284	-0.135917
11204	0.300	-0.409317	-0.078061	-47.291	-7.513	-14.187	-0.159334
.							
11205	0	0.283599	-0.079322	1.15E-11	-0.231044	1.38E-16	0.033649
11205	0.600	0.283599	-0.079322	1.15E-11	-0.231044	6.88E-12	-0.013943
.							
11208	0	-232.875	79.524	-0.542505	0.101778	4.043	-256.711
11208	4.500	-232.875	79.524	-0.542505	0.101778	1.602	101.135
.							
11209	0	-232.875	-79.524	-0.539145	-0.111423	4.039	256.711
11209	4.500	-232.875	-79.524	-0.539145	-0.111423	1.613	-101.134
.							
11210	0	-218.905	26.971	-0.366509	-0.036069	2.471	-29.416
11210	4.500	-218.905	26.971	-0.366509	-0.036069	0.821381	91.946
.							
11211	0	-218.905	-26.971	-0.360371	0.029900	2.456	29.417
11211	4.500	-218.905	-26.971	-0.360371	0.029900	0.834810	-91.946
.							
11259	0	8.712	0.000634	1.74E-06	0.002890	11.982	0.623382
11259	4.000	8.712	0.000634	1.74E-06	0.002890	11.982	0.625918
.							
11260	0	6.755	0.476735	-347.972	-1.368	289.594	-0.033884
11260	2.000	6.755	0.476735	-347.972	-1.368	-406.322	0.919548
.							
11261	0	6.755	-0.468906	347.972	1.374	-406.323	0.890116
11261	2.000	6.755	-0.468906	347.972	1.374	289.594	-0.047659
.							
11270	0	-695.944	5.18E-05	-0.945637	-0.029432	2.742	0.000560
11270	0.200	-695.944	5.18E-05	-0.945637	-0.029432	2.553	0.000570
.							
11271	0	-116.363	-0.069180	21.579	-0.404961	-48.263	1.887
11271	4.924	-116.363	-0.069180	21.579	-0.404961	57.996	1.546
.							
11272	0	-116.363	0.066826	21.579	0.399171	-48.263	-1.895
11272	4.924	-116.363	0.066826	21.579	0.399171	57.996	-1.565
.							
11273	0	-118.872	0.108535	-60.541	-0.416365	166.837	-1.005
11273	6.021	-118.872	0.108535	-60.541	-0.416365	-197.652	-0.351654
.							
11274	0	-118.872	-0.110226	-60.541	0.415543	166.837	1.026
11274	6.021	-118.872	-0.110226	-60.541	0.415543	-197.652	0.362178
.							
11281	0	-8.240	0.141163	-88.114	-1.799	14.798	-0.438425
11281	2.310	-8.240	0.141163	-88.114	-1.799	-188.707	-0.112399
.							
11282	0	-20.025	0.354998	-258.399	-4.290	-185.515	-0.347580
11282	0.301	-20.025	0.354998	-258.399	-4.290	-263.259	-0.240772
.							
11283	0	79.311	-0.187668	-26.297	-0.252194	-6.543	0.189613
11283	2.000	79.311	-0.187668	-26.297	-0.252194	-59.134	-0.185707
.							
11284	0	79.311	0.184330	26.296	0.256246	-59.134	-0.185034
11284	2.000	79.311	0.184330	26.296	0.256246	-6.543	0.183611
.							
11285	0	-20.025	-0.354705	258.393	4.289	-263.258	-0.256414
11285	0.301	-20.025	-0.354705	258.393	4.289	-185.516	-0.363133
.							
11286	0	-8.240	-0.141152	88.114	1.798	-188.707	-0.114624
11286	2.310	-8.240	-0.141152	88.114	1.798	14.798	-0.440625
.							
11301	0	-47.161	0.090792	0.383295	0.285758	-0.331840	8.253
11301	0.825	-47.161	0.090792	0.383295	0.285758	-0.015634	8.328
.							
11302	0	-58.795	0.092065	-0.679271	0.287493	0.592667	8.675
11302	0.825	-58.795	0.092065	-0.679271	0.287493	0.032291	8.751
.							
11303	0	-0.396086	0.093636	-47.152	8.332	-0.000283	-0.285757
11303	0.300	-0.396086	0.093636	-47.152	8.332	-14.145	-0.257667
.							
11304	0	-0.711133	-0.093635	-58.838	-8.754	-0.000353	-0.287493
11304	0.300	-0.711133	-0.093635	-58.838	-8.754	-17.651	-0.315583
.							
11305	0	0.228832	-0.152452	-1.35E-11	-0.434634	-1.62E-16	0.066913
11305	0.600	0.228832	-0.152452	-1.35E-11	-0.434634	-8.10E-12	-0.024559
.							
11308	0	-268.168	93.845	-1.115	0.144842	6.928	-303.487
11308	4.500	-268.168	93.845	-1.115	0.144842	1.910	118.798
.							
11309	0	-268.168	-93.845	-1.114	-0.149740	6.926	303.487
11309	4.500	-268.168	-93.845	-1.114	-0.149740	1.916	-118.798
.							
11310	0	-250.482	31.040	-0.793209	-0.054229	3.364	-33.861
11310	4.500	-250.482	31.040	-0.793209	-0.054229	-0.204934	105.815
.							
11311	0	-250.480	-31.041	-0.790069	0.051074	3.357	33.861
11311	4.500	-250.480	-31.041	-0.790069	0.051074	-0.198062	-105.816
.							
11359	0	7.991	0.000331	0.000145	0.001479	14.247	0.915825
11359	4.000	7.991	0.000331	0.000145	0.001479	14.248	0.917149
.							
11360	0	7.828	1.057	-398.475	0.089041	331.756	-0.441959
11360	2.000	7.828	1.057	-398.475	0.089041	-465.161	1.671
.							
11361	0	7.827	-1.053	398.472	-0.085916	-465.155	1.656
11361	2.000	7.827	-1.053	398.472	-0.085916	331.757	-0.449005
.							
11370	0	-796.946	-0.000624	-2.109	-0.015054	-0.174965	-0.006358
11370	0.200	-796.946	-0.000624	-2.109	-0.015054	-0.596765	-0.006483
.							
11371	0	-132.041	-0.060430	23.747	-0.601937	-52.681	2.735
11371	4.924	-132.041	-0.060430	23.747	-0.601937	64.254	2.438
.							
11372	0	-132.041	0.059204	23.747	0.598956	-52.681	-2.739
11372	4.924	-132.041	0.059204	23.747	0.598956	64.254	-2.448
.							
11373	0	-136.433	0.262471	-69.270	-0.448349	191.097	-1.332
11373	6.021	-136.433	0.262471	-69.270	-0.448349	-225.946	0.248359
.							
11374	0	-136.434	-0.263335	-69.270	0.447929	191.098	1.342
11374	6.021	-136.434	-0.263335	-69.270	0.447929	-225.946	-0.242973
.							
11381	0	-9.866	0.315047	-105.496	-3.424	17.080	-0.889731
11381	2.310	-9.866	0.315047	-105.496	-3.424	-226.569	-0.162110
.							

11382	0	-23.088	0.791673	-297.797	-7.374	-222.346	-0.607410
11382	0.301	-23.088	0.791673	-297.797	-7.374	-311.943	-0.369221
.							
11383	0	93.589	-0.323424	-30.527	-0.452549	-8.452	0.340422
11383	2.000	93.589	-0.323424	-30.527	-0.452549	-69.504	-0.306401
.							
11384	0	93.589	0.321718	30.528	0.454616	-69.505	-0.305956
11384	2.000	93.589	0.321718	30.528	0.454616	-8.451	0.337454
.							
11385	0	-23.088	-0.791474	297.797	7.374	-311.943	-0.377091
11385	0.301	-23.088	-0.791474	297.797	7.374	-222.345	-0.615221
.							
11386	0	-9.866	-0.315044	105.496	3.424	-226.569	-0.162498
11386	2.310	-9.866	-0.315044	105.496	3.424	17.081	-0.890114
.							
11401	0	-58.796	0.088295	0.672210	-0.287488	-0.589755	8.677
11401	0.825	-58.796	0.088295	0.672210	-0.287488	-0.035204	8.750
.							
11402	0	-47.161	0.090495	-0.375553	-0.285760	0.328646	8.254
11402	0.825	-47.161	0.090495	-0.375553	-0.285760	0.018827	8.328
.							
11403	0	-0.711133	0.093635	-58.780	8.754	-0.000353	0.287489
11403	0.300	-0.711133	0.093635	-58.780	8.754	-17.634	0.315578
.							
11404	0	-0.396087	-0.093636	-47.122	-8.332	-0.000283	0.285759
11404	0.300	-0.396087	-0.093636	-47.122	-8.332	-14.136	0.257669
.							
11405	0	0.228832	0.152442	1.06E-13	0.434759	1.27E-18	-0.024544
11405	0.600	0.228832	0.152442	1.06E-13	0.434759	6.37E-14	0.066918
.							
11408	0	-268.168	93.845	1.115	-0.144839	-6.928	-303.486
11408	4.500	-268.168	93.845	1.115	-0.144839	-1.910	118.798
.							
11409	0	-268.168	-93.845	1.113	0.149737	-6.926	303.486
11409	4.500	-268.168	-93.845	1.113	0.149737	-1.916	-118.798
.							
11410	0	-250.482	31.040	0.793207	0.054229	-3.364	-33.861
11410	4.500	-250.482	31.040	0.793207	0.054229	0.204991	105.815
.							
11411	0	-250.480	-31.041	0.790067	-0.051074	-3.357	33.861
11411	4.500	-250.480	-31.041	0.790067	-0.051074	0.198120	-105.816
.							
11459	0	7.991	-0.000331	0.000145	-0.001479	14.247	-0.915810
11459	4.000	7.991	-0.000331	0.000145	-0.001479	14.248	-0.917135
.							
11460	0	7.828	-1.057	-398.475	-0.089130	331.756	0.441967
11460	2.000	7.828	-1.057	-398.475	-0.089130	-465.161	-1.671
.							
11461	0	7.827	1.053	398.472	0.086004	-465.155	-1.656
11461	2.000	7.827	1.053	398.472	0.086004	331.757	0.449014
.							
11470	0	-796.946	-0.000624	2.109	0.015054	0.175142	-0.006358
11470	0.200	-796.946	-0.000624	2.109	0.015054	0.596941	-0.006483
.							
11471	0	-132.041	0.060430	23.747	0.601927	-52.681	-2.735
11471	4.924	-132.041	0.060430	23.747	0.601927	64.254	-2.438
.							
11472	0	-132.041	-0.059203	23.747	-0.598946	-52.681	2.739
11472	4.924	-132.041	-0.059203	23.747	-0.598946	64.254	2.448
.							
11473	0	-136.433	-0.262471	-69.270	0.448334	191.097	1.332
11473	6.021	-136.433	-0.262471	-69.270	0.448334	-225.946	-0.248388
.							
11474	0	-136.434	0.263334	-69.270	-0.447914	191.098	-1.342
11474	6.021	-136.434	0.263334	-69.270	-0.447914	-225.946	0.243002
.							
11481	0	-9.866	-0.315046	-105.496	3.424	17.081	0.889730
11481	2.310	-9.866	-0.315046	-105.496	3.424	-226.569	0.162111
.							
11482	0	-23.088	-0.792367	-297.798	7.374	-222.345	0.607506
11482	0.301	-23.088	-0.792367	-297.798	7.374	-311.943	0.369108
.							
11483	0	93.589	0.323425	-30.527	0.452546	-8.452	-0.340423
11483	2.000	93.589	0.323425	-30.527	0.452546	-69.504	0.306400
.							
11484	0	93.589	-0.321718	30.528	-0.454614	-69.505	0.305955
11484	2.000	93.589	-0.321718	30.528	-0.454614	-8.451	-0.337456
.							
11485	0	-23.088	0.792188	297.798	-7.374	-311.943	0.376975
11485	0.301	-23.088	0.792188	297.798	-7.374	-222.345	0.615320
.							
11486	0	-9.866	0.315043	105.496	-3.424	-226.569	0.162500
11486	2.310	-9.866	0.315043	105.496	-3.424	17.081	0.890113
.							
11501	0	-47.301	0.076566	0.399725	-0.135905	-0.344497	7.448
11501	0.825	-47.301	0.076566	0.399725	-0.135905	-0.014738	7.511
.							
11502	0	-41.197	0.076033	-0.264579	-0.136381	0.226778	7.224
11502	0.825	-41.197	0.076033	-0.264579	-0.136381	0.008509	7.286
.							
11503	0	-0.409317	0.078061	-47.317	7.513	-0.000284	0.135905
11503	0.300	-0.409317	0.078061	-47.317	7.513	-14.195	0.159323
.							
11504	0	-0.268153	-0.078062	-41.214	-7.289	-0.000247	0.136381
11504	0.300	-0.268153	-0.078062	-41.214	-7.289	-12.364	0.112963
.							
11505	0	0.283598	0.079320	7.05E-14	0.231041	8.46E-19	-0.013931
11505	0.600	0.283598	0.079320	7.05E-14	0.231041	4.23E-14	0.033660
.							
11508	0	-232.874	79.524	0.542507	-0.101776	-4.043	-256.711
11508	4.500	-232.874	79.524	0.542507	-0.101776	-1.602	101.134
.							
11509	0	-232.874	-79.524	0.539147	0.111421	-4.039	256.711
11509	4.500	-232.874	-79.524	0.539147	0.111421	-1.613	-101.134
.							
11510	0	-218.905	26.971	0.366511	0.036069	-2.471	-29.416
11510	4.500	-218.905	26.971	0.366511	0.036069	-0.821339	91.946
.							
11511	0	-218.905	-26.971	0.360373	-0.029900	-2.456	29.416
11511	4.500	-218.905	-26.971	0.360373	-0.029900	-0.834767	-91.946
.							
11559	0	8.712	-0.000634	-1.68E-05	-0.002890	11.982	-0.623375
11559	4.000	8.712	-0.000634	-1.68E-05	-0.002890	11.982	-0.625911
.							
11560	0	6.755	-0.476738	-347.972	1.368	289.594	0.033892
11560	2.000	6.755	-0.476738	-347.972	1.368	-406.322	-0.919545
.							
11561	0	6.755	0.468909	347.972	-1.374	-406.322	-0.890114

11561	2.000	6.755	0.468909	347.972	-1.374	289.594	0.047667
.							
11570	0	-695.944	5.17E-05	0.945643	0.029432	-2.742	0.000560
11570	0.200	-695.944	5.17E-05	0.945643	0.029432	-2.553	0.000570
.							
11571	0	-116.363	0.069180	21.579	0.404957	-48.263	-1.887
11571	4.924	-116.363	0.069180	21.579	0.404957	57.996	-1.546
.							
11572	0	-116.363	-0.066825	21.579	-0.399167	-48.263	1.894
11572	4.924	-116.363	-0.066825	21.579	-0.399167	57.996	1.565
.							
11573	0	-118.872	-0.108536	-60.541	0.416357	166.837	1.005
11573	6.021	-118.872	-0.108536	-60.541	0.416357	-197.652	0.351632
.							
11574	0	-118.872	0.110227	-60.541	-0.415534	166.837	-1.026
11574	6.021	-118.872	0.110227	-60.541	-0.415534	-197.652	-0.362156
.							
11581	0	-8.240	-0.141162	-88.114	1.799	14.798	0.438424
11581	2.310	-8.240	-0.141162	-88.114	1.799	-188.707	0.112401
.							
11582	0	-20.025	-0.355626	-258.393	4.290	-185.515	0.347671
11582	0.301	-20.025	-0.355626	-258.393	4.290	-263.258	0.240674
.							
11583	0	79.311	0.187664	-26.297	0.252193	-6.543	-0.189611
11583	2.000	79.311	0.187664	-26.297	0.252193	-59.134	0.185703
.							
11584	0	79.311	-0.184327	26.296	-0.256246	-59.134	0.185030
11584	2.000	79.311	-0.184327	26.296	-0.256246	-6.543	-0.183608
.							
11585	0	-20.025	0.355352	258.404	-4.289	-263.259	0.256313
11585	0.301	-20.025	0.355352	258.404	-4.289	-185.514	0.363227
.							
11586	0	-8.240	0.141149	88.114	-1.798	-188.707	0.114629
11586	2.310	-8.240	0.141149	88.114	-1.798	14.798	0.440622
.							
12201	0	-81.166	0.028339	0.603072	0.035000	-0.628478	1.513
12201	1.036	-81.166	0.028339	0.603072	0.035000	-0.003720	1.542
.							
12202	0	-89.507	0.028597	-0.813657	0.036004	0.850051	1.625
12202	1.036	-89.507	0.028597	-0.813657	0.036004	0.007137	1.655
.							
12203	0	-0.604375	0.028826	-81.149	1.543	-0.000487	-0.035000
12203	0.300	-0.604375	0.028826	-81.149	1.543	-24.344	-0.026352
.							
12204	0	-0.818054	-0.028823	-89.490	-1.655	-0.000537	-0.036004
12204	0.300	-0.818054	-0.028823	-89.490	-1.655	-26.846	-0.044651
.							
12205	0	0.606183	0.011021	4.92E-12	-0.130899	5.90E-17	0.006017
12205	0.600	0.606183	0.011021	4.92E-12	-0.130899	2.95E-12	0.012629
.							
12301	0	-89.745	0.033790	0.798143	0.095559	-0.835895	1.960
12301	1.036	-89.745	0.033790	0.798143	0.095559	-0.009052	1.995
.							
12302	0	-102.995	0.034130	-1.261	0.097743	1.325	2.200
12302	1.036	-102.995	0.034130	-1.261	0.097743	0.019150	2.236
.							
12303	0	-0.808565	0.034165	-89.759	1.995	-0.000539	-0.095558
12303	0.300	-0.808565	0.034165	-89.759	1.995	-26.927	-0.085309
.							
12304	0	-1.285	-0.034159	-103.003	-2.236	-0.000618	-0.097743
12304	0.300	-1.285	-0.034159	-103.003	-2.236	-30.900	-0.107990
.							
12305	0	0.615405	0.015128	-5.65E-12	-0.280796	-6.78E-17	0.011485
12305	0.600	0.615405	0.015128	-5.65E-12	-0.280796	-3.39E-12	0.020562
.							
12401	0	-102.995	0.033511	1.279	-0.097741	-1.335	2.201
12401	1.036	-102.995	0.033511	1.279	-0.097741	-0.009943	2.236
.							
12402	0	-89.745	0.033754	-0.799292	-0.095558	0.836490	1.960
12402	1.036	-89.745	0.033754	-0.799292	-0.095558	0.008456	1.995
.							
12403	0	-1.285	0.034159	-103.004	2.236	-0.000618	0.097741
12403	0.300	-1.285	0.034159	-103.004	2.236	-30.900	0.107988
.							
12404	0	-0.808566	-0.034165	-89.736	-1.995	-0.000538	0.095558
12404	0.300	-0.808566	-0.034165	-89.736	-1.995	-26.920	0.085309
.							
12405	0	0.615404	-0.015134	5.27E-14	0.280922	6.32E-19	0.020564
12405	0.600	0.615404	-0.015134	5.27E-14	0.280922	3.16E-14	0.011484
.							
12501	0	-89.507	0.028577	0.807721	-0.036002	-0.845448	1.625
12501	1.036	-89.507	0.028577	0.807721	-0.036002	-0.008683	1.655
.							
12502	0	-81.165	0.028363	-0.601833	-0.035002	0.627836	1.513
12502	1.036	-81.165	0.028363	-0.601833	-0.035002	0.004362	1.542
.							
12503	0	-0.818054	0.028823	-89.500	1.655	-0.000537	0.036002
12503	0.300	-0.818054	0.028823	-89.500	1.655	-26.849	0.044649
.							
12504	0	-0.604374	-0.028826	-81.163	-1.543	-0.000487	0.035002
12504	0.300	-0.604374	-0.028826	-81.163	-1.543	-24.348	0.026354
.							
12505	0	0.606182	-0.011022	4.44E-14	0.130930	5.33E-19	0.012631
12505	0.600	0.606182	-0.011022	4.44E-14	0.130930	2.67E-14	0.006018
.							
13201	0	-84.365	1.74E-06	0.693984	-0.005880	-0.726456	-2.09E-06
13201	1.059	-84.365	1.74E-06	0.693984	-0.005880	0.008443	-2.51E-07
.							
13202	0	-93.237	1.30E-06	-0.936684	-0.007858	0.979635	7.35E-06
13202	1.059	-93.237	1.30E-06	-0.936684	-0.007858	-0.012273	8.73E-06
.							
13203	0	-0.685317	1.74E-06	-84.362	-2.46E-07	-0.000506	0.005880
13203	0.300	-0.685317	1.74E-06	-84.362	-2.46E-07	-25.308	0.005881
.							
13204	0	-0.921298	-1.30E-06	-93.226	-8.73E-06	-0.000559	0.007858
13204	0.300	-0.921298	-1.30E-06	-93.226	-8.73E-06	-27.967	0.007858
.							
13205	0	0.679972	0.002964	3.89E-12	-1.08E-05	4.67E-17	-0.010939
13205	0.600	0.679972	0.002964	3.89E-12	-1.08E-05	2.33E-12	-0.009161
.							
13301	0	-93.036	-6.63E-05	0.927496	-0.002392	-0.970292	-1.91E-07
13301	1.059	-93.036	-6.63E-05	0.927496	-0.002392	0.011886	-7.04E-05
.							
13302	0	-106.519	-6.71E-05	-1.460	-0.004787	1.527	3.13E-06
13302	1.059	-106.519	-6.71E-05	-1.460	-0.004787	-0.019416	-6.79E-05
.							
13303	0	-0.911832	-6.67E-05	-93.041	-7.06E-05	-0.000558	0.002392
13303	0.300	-0.911832	-6.67E-05	-93.041	-7.06E-05	-27.912	0.002372

.							
13304	0	-1.437	6.69E-05	-106.516	6.78E-05	-0.000639	0.004787
13304	0.300	-1.437	6.69E-05	-106.516	6.78E-05	-31.954	0.004807
.							
13305	0	0.714393	0.003739	-4.43E-12	-3.38E-06	-5.32E-17	-0.013303
13305	0.600	0.714393	0.003739	-4.43E-12	-3.38E-06	-2.66E-12	-0.011060
.							
13401	0	-106.519	-6.69E-05	1.462	0.004787	-1.531	3.01E-06
13401	1.059	-106.519	-6.69E-05	1.462	0.004787	0.017660	-6.79E-05
.							
13402	0	-93.036	-6.61E-05	-0.929868	0.002392	0.971548	-2.98E-07
13402	1.059	-93.036	-6.61E-05	-0.929868	0.002392	-0.013142	-7.03E-05
.							
13403	0	-1.437	-6.69E-05	-106.512	-6.78E-05	-0.000639	-0.004787
13403	0.300	-1.437	-6.69E-05	-106.512	-6.78E-05	-31.953	-0.004807
.							
13404	0	-0.911833	6.67E-05	-93.045	7.06E-05	-0.000558	-0.002391
13404	0.300	-0.911833	6.67E-05	-93.045	7.06E-05	-27.913	-0.002371
.							
13405	0	0.714394	-0.003727	3.85E-14	3.38E-06	4.62E-19	-0.011063
13405	0.600	0.714394	-0.003727	3.85E-14	3.38E-06	2.31E-14	-0.013300
.							
13501	0	-93.237	1.30E-06	0.925615	0.007858	-0.973774	7.31E-06
13501	1.059	-93.237	1.30E-06	0.925615	0.007858	0.006413	8.68E-06
.							
13502	0	-84.365	1.74E-06	-0.693639	0.005880	0.726274	-2.10E-06
13502	1.059	-84.365	1.74E-06	-0.693639	0.005880	-0.008260	-2.61E-07
.							
13503	0	-0.921298	1.30E-06	-93.233	8.74E-06	-0.000559	-0.007858
13503	0.300	-0.921298	1.30E-06	-93.233	8.74E-06	-27.969	-0.007858
.							
13504	0	-0.685316	-1.74E-06	-84.356	2.58E-07	-0.000506	-0.005880
13504	0.300	-0.685316	-1.74E-06	-84.356	2.58E-07	-25.306	-0.005881
.							
13505	0	0.679970	-0.002964	3.69E-14	1.07E-05	4.43E-19	-0.009160
13505	0.600	0.679970	-0.002964	3.69E-14	1.07E-05	2.22E-14	-0.010939
.							
14201	0	-81.166	-0.028468	0.595277	-0.038580	-0.622912	-1.513
14201	1.036	-81.166	-0.028468	0.595277	-0.038580	-0.006230	-1.542
.							
14202	0	-89.507	-0.028437	-0.801031	-0.045827	0.841983	-1.625
14202	1.036	-89.507	-0.028437	-0.801031	-0.045827	0.012148	-1.655
.							
14203	0	-0.604380	-0.028820	-81.152	-1.543	-0.000487	0.038580
14203	0.300	-0.604380	-0.028820	-81.152	-1.543	-24.345	0.029934
.							
14204	0	-0.818050	0.028817	-89.509	1.655	-0.000537	0.045827
14204	0.300	-0.818050	0.028817	-89.509	1.655	-26.852	0.054472
.							
14205	0	0.582854	-0.010303	4.92E-12	0.130899	5.90E-17	-0.037328
14205	0.600	0.582854	-0.010303	4.92E-12	0.130899	2.95E-12	-0.043509
.							
14301	0	-89.745	-0.034318	0.812113	-0.095510	-0.843131	-1.959
14301	1.036	-89.745	-0.034318	0.812113	-0.095510	-0.001816	-1.995
.							
14302	0	-102.995	-0.034125	-1.262	-0.105264	1.326	-2.201
14302	1.036	-102.995	-0.034125	-1.262	-0.105264	0.018687	-2.236
.							
14303	0	-0.808566	-0.034295	-89.753	-1.995	-0.000539	0.095510
14303	0.300	-0.808566	-0.034295	-89.753	-1.995	-26.925	0.085222
.							
14304	0	-1.285	0.034289	-102.987	2.236	-0.000618	0.105265
14304	0.300	-1.285	0.034289	-102.987	2.236	-30.895	0.115551
.							
14305	0	0.589171	-0.012176	-5.65E-12	0.280828	-6.78E-17	-0.050098
14305	0.600	0.589171	-0.012176	-5.65E-12	0.280828	-3.39E-12	-0.057403
.							
14401	0	-102.995	-0.034342	1.263	0.105262	-1.323	-2.200
14401	1.036	-102.995	-0.034342	1.263	0.105262	-0.014955	-2.236
.							
14402	0	-89.745	-0.033749	-0.796168	0.095510	0.834872	-1.960
14402	1.036	-89.745	-0.033749	-0.796168	0.095510	0.010075	-1.995
.							
14403	0	-1.285	-0.034289	-102.987	-2.236	-0.000618	-0.105262
14403	0.300	-1.285	-0.034289	-102.987	-2.236	-30.896	-0.115548
.							
14404	0	-0.808567	0.034295	-89.753	1.995	-0.000539	-0.095510
14404	0.300	-0.808567	0.034295	-89.753	1.995	-26.925	-0.085222
.							
14405	0	0.589172	0.012179	5.27E-14	-0.280891	6.32E-19	-0.057404
14405	0.600	0.589172	0.012179	5.27E-14	-0.280891	3.16E-14	-0.050097
.							
14501	0	-89.507	-0.028461	0.821032	0.045825	-0.852344	-1.625
14501	1.036	-89.507	-0.028461	0.821032	0.045825	-0.001788	-1.655
.							
14502	0	-81.166	-0.028508	-0.585186	0.038582	0.619214	-1.513
14502	1.036	-81.166	-0.028508	-0.585186	0.038582	0.012985	-1.542
.							
14503	0	-0.818049	-0.028817	-89.497	-1.655	-0.000537	-0.045825
14503	0.300	-0.818049	-0.028817	-89.497	-1.655	-26.849	-0.054470
.							
14504	0	-0.604379	0.028820	-81.165	1.543	-0.000487	-0.038582
14504	0.300	-0.604379	0.028820	-81.165	1.543	-24.349	-0.029936
.							
14505	0	0.582853	0.010305	4.45E-14	-0.130930	5.34E-19	-0.043512
14505	0.600	0.582853	0.010305	4.45E-14	-0.130930	2.67E-14	-0.037329
.							
15201	0	-41.197	-0.073520	0.251042	-0.132246	-0.222154	-7.225
15201	0.825	-41.197	-0.073520	0.251042	-0.132246	-0.015053	-7.285
.							
15202	0	-47.301	-0.072445	-0.391937	-0.142247	0.341285	-7.449
15202	0.825	-47.301	-0.072445	-0.391937	-0.142247	0.017950	-7.509
.							
15203	0	-0.268161	-0.078044	-41.209	-7.289	-0.000247	0.132245
15203	0.300	-0.268161	-0.078044	-41.209	-7.289	-12.362	0.108833
.							
15204	0	-0.409310	0.078043	-47.277	7.513	-0.000284	0.142247
15204	0.300	-0.409310	0.078043	-47.277	7.513	-14.183	0.165659
.							
15205	0	0.279970	0.075046	1.15E-11	0.231044	1.38E-16	-0.074899
15205	0.600	0.279970	0.075046	1.15E-11	0.231044	6.88E-12	-0.029874
.							
15301	0	-47.161	-0.089720	0.379211	-0.279991	-0.330155	-8.254
15301	0.825	-47.161	-0.089720	0.379211	-0.279991	-0.017318	-8.328
.							
15302	0	-58.796	-0.089607	-0.683831	-0.293644	0.594548	-8.676
15302	0.825	-58.796	-0.089607	-0.683831	-0.293644	0.030410	-8.750
.							

15303	0	-0.396087	-0.093751	-47.110	-8.332	-0.000283	0.279990
15303	0.300	-0.396087	-0.093751	-47.110	-8.332	-14.133	0.251866
.							
15304	0	-0.711132	0.093751	-58.793	8.754	-0.000353	0.293644
15304	0.300	-0.711132	0.093751	-58.793	8.754	-17.637	0.321768
.							
15305	0	0.229884	0.145445	-1.35E-11	0.434634	-1.62E-16	-0.113322
15305	0.600	0.229884	0.145445	-1.35E-11	0.434634	-8.10E-12	-0.026058
.							
15401	0	-58.796	-0.091878	0.704668	0.293639	-0.603143	-8.675
15401	0.825	-58.796	-0.091878	0.704668	0.293639	-0.021815	-8.751
.							
15402	0	-47.161	-0.087694	-0.371486	0.279993	0.326968	-8.255
15402	0.825	-47.161	-0.087694	-0.371486	0.279993	0.020505	-8.327
.							
15403	0	-0.711131	-0.093751	-58.823	-8.754	-0.000353	-0.293639
15403	0.300	-0.711131	-0.093751	-58.823	-8.754	-17.646	-0.321763
.							
15404	0	-0.396088	0.093751	-47.168	8.332	-0.000283	-0.279992
15404	0.300	-0.396088	0.093751	-47.168	8.332	-14.150	-0.251868
.							
15405	0	0.229883	-0.145444	1.06E-13	-0.434632	1.28E-18	-0.026062
15405	0.600	0.229883	-0.145444	1.06E-13	-0.434632	6.38E-14	-0.113326
.							
15501	0	-47.301	-0.077103	0.400584	0.142235	-0.344851	-7.447
15501	0.825	-47.301	-0.077103	0.400584	0.142235	-0.014383	-7.511
.							
15502	0	-41.197	-0.078219	-0.246396	0.132257	0.219278	-7.223
15502	0.825	-41.197	-0.078219	-0.246396	0.132257	0.016009	-7.287
.							
15503	0	-0.409310	-0.078043	-47.303	-7.513	-0.000284	-0.142236
15503	0.300	-0.409310	-0.078043	-47.303	-7.513	-14.191	-0.165648
.							
15504	0	-0.268160	0.078044	-41.184	7.289	-0.000247	-0.132257
15504	0.300	-0.268160	0.078044	-41.184	7.289	-12.355	-0.108845
.							
15505	0	0.279969	-0.075037	7.05E-14	-0.231041	8.46E-19	-0.029888
15505	0.600	0.279969	-0.075037	7.05E-14	-0.231041	4.23E-14	-0.074909
.							
21101	0	-0.024402	-0.006763	4.391	1.869	2.025	0.010118
21101	2.300	-0.024402	-0.006763	-10.559	1.869	-5.067	-0.005437
.							
21111	0	-0.003488	-0.007274	6.384	1.760	0.147495	0.010073
21111	2.300	-0.003488	-0.007274	-8.566	1.760	-2.362	-0.006656
.							
21121	0	0.006013	-0.004650	7.310	1.450	-0.435814	0.005865
21121	2.300	0.006013	-0.004650	-7.640	1.450	-0.814872	-0.004830
.							
21131	0	0.007958	-0.002231	7.858	1.007	-0.673850	0.002641
21131	2.300	0.007958	-0.002231	-7.091	1.007	0.208352	-0.002490
.							
21141	0	0.007853	0.000100	8.160	0.482005	-0.792781	-0.000106
21141	2.300	0.007853	0.000100	-6.790	0.482005	0.792489	0.000124
.							
21151	0	0.007674	0.002592	8.241	-0.081525	-0.820621	-0.002945
21151	2.300	0.007674	0.002592	-6.708	-0.081525	0.941702	0.003015
.							
21161	0	0.007605	0.005220	8.110	-0.645377	-0.807976	-0.005988
21161	2.300	0.007605	0.005220	-6.840	-0.645377	0.652897	0.006017
.							
21171	0	0.006103	0.007774	7.777	-1.170	-0.765876	-0.009266
21171	2.300	0.006103	0.007774	-7.173	-1.170	-0.070989	0.008614
.							
21181	0	-0.001599	0.009365	7.286	-1.612	-0.767172	-0.012082
21181	2.300	-0.001599	0.009365	-7.664	-1.612	-1.202	0.009457
.							
21191	0	-0.017272	0.005164	6.820	-1.918	-1.110	-0.007321
21191	2.300	-0.017272	0.005164	-8.130	-1.918	-2.616	0.004555
.							
21201	0	-0.008321	-0.006130	7.686	0.483194	-3.189	0.007704
21201	2.300	-0.008321	-0.006130	-7.264	0.483194	-2.703	-0.006395
.							
21211	0	-0.002823	-0.007893	7.567	0.463017	-2.322	0.009612
21211	2.300	-0.002823	-0.007893	-7.383	0.463017	-2.111	-0.008542
.							
21221	0	0.000748	-0.007689	7.255	0.399913	-1.219	0.009144
21221	2.300	0.000748	-0.007689	-7.695	0.399913	-1.725	-0.008539
.							
21231	0	0.002096	-0.005628	7.030	0.291092	-0.373003	0.006567
21231	2.300	0.002096	-0.005628	-7.920	0.291092	-1.397	-0.006378
.							
21241	0	0.002000	-0.002624	6.914	0.146358	0.122061	0.003000
21241	2.300	0.002000	-0.002624	-8.036	0.146358	-1.168	-0.003035
.							
21251	0	0.001248	0.000673	6.894	-0.016994	0.246759	-0.000839
21251	2.300	0.001248	0.000673	-8.056	-0.016994	-1.089	0.000709
.							
21261	0	0.000261	0.003753	6.962	-0.178543	-0.000345	-0.004386
21261	2.300	0.000261	0.003753	-7.987	-0.178543	-1.179	0.004245
.							
21271	0	-0.000293	0.005787	7.122	-0.318634	-0.605582	-0.006596
21271	2.300	-0.000293	0.005787	-7.827	-0.318634	-1.417	0.006714
.							
21281	0	0.001860	0.005359	7.363	-0.422145	-1.512	-0.005589
21281	2.300	0.001860	0.005359	-7.586	-0.422145	-1.769	0.006737
.							
21291	0	0.011328	0.001441	7.612	-0.482071	-2.548	-4.80E-05
21291	2.300	0.011328	0.001441	-7.337	-0.482071	-2.232	0.003267
.							
21301	0	0.006316	-0.006605	7.264	-0.483194	-2.703	0.007055
21301	2.300	0.006316	-0.006605	-7.686	-0.483194	-3.189	-0.008136
.							
21311	0	0.001485	-0.008558	7.383	-0.463017	-2.111	0.009366
21311	2.300	0.001485	-0.008558	-7.567	-0.463017	-2.322	-0.010317
.							
21321	0	-0.001981	-0.008599	7.695	-0.399913	-1.725	0.009592
21321	2.300	-0.001981	-0.008599	-7.255	-0.399913	-1.219	-0.010185
.							
21331	0	-0.003740	-0.006840	7.920	-0.291092	-1.397	0.007731
21331	2.300	-0.003740	-0.006840	-7.030	-0.291092	-0.373008	-0.008000
.							
21341	0	-0.004554	-0.004226	8.036	-0.146358	-1.168	0.004792
21341	2.300	-0.004554	-0.004226	-6.914	-0.146358	0.122056	-0.004927
.							
21351	0	-0.005214	-0.001398	8.056	0.016993	-1.089	0.001555
21351	2.300	-0.005214	-0.001398	-6.894	0.016993	0.246756	-0.001660
.							
21361	0	-0.005713	0.001365	7.987	0.178543	-1.179	-0.001541

21361	2.300	-0.005713	0.001365	-6.962	0.178543	-0.000348	0.001599
.							
21371	0	-0.004559	0.004012	7.827	0.318634	-1.417	-0.004237
21371	2.300	-0.004559	0.004012	-7.122	0.318634	-0.605584	0.004990
.							
21381	0	0.001840	0.006491	7.586	0.422144	-1.769	-0.006276
21381	2.300	0.001840	0.006491	-7.363	0.422144	-1.512	0.008653
.							
21391	0	0.017622	0.007985	7.337	0.482070	-2.232	-0.006965
21391	2.300	0.017622	0.007985	-7.612	0.482070	-2.548	0.011400
.							
21401	0	0.023610	-0.007490	10.559	-1.869	-5.067	0.006331
21401	2.300	0.023610	-0.007490	-4.391	-1.869	2.025	-0.010895
.							
21411	0	0.002978	-0.008424	8.566	-1.760	-2.362	0.008009
21411	2.300	0.002978	-0.008424	-6.384	-1.760	0.147494	-0.011365
.							
21421	0	-0.006521	-0.006323	7.640	-1.450	-0.814871	0.006766
21421	2.300	-0.006521	-0.006323	-7.310	-1.450	-0.435814	-0.007777
.							
21431	0	-0.008650	-0.004554	7.091	-1.007	0.208356	0.005167
21431	2.300	-0.008650	-0.004554	-7.858	-1.007	-0.673853	-0.005306
.							
21441	0	-0.008792	-0.003088	6.790	-0.482006	0.792491	0.003565
21441	2.300	-0.008792	-0.003088	-8.160	-0.482006	-0.782778	-0.003537
.							
21451	0	-0.008709	-0.001710	6.708	0.081525	0.941707	0.001998
21451	2.300	-0.008709	-0.001710	-8.241	0.081525	-0.820621	-0.001934
.							
21461	0	-0.008659	-0.000317	6.840	0.645377	0.652901	0.000396
21461	2.300	-0.008659	-0.000317	-8.110	0.645377	-0.807976	-0.000333
.							
21471	0	-0.009019	0.001376	7.173	1.170	-0.070982	-0.001621
21471	2.300	-0.009019	0.001376	-7.777	1.170	-0.765852	0.001543
.							
21481	0	-0.009806	0.004364	7.664	1.612	-1.202	-0.004984
21481	2.300	-0.009806	0.004364	-7.286	1.612	-0.767172	0.005054
.							
21491	0	-0.003905	0.011288	8.130	1.918	-2.616	-0.011202
21491	2.300	-0.003905	0.011288	-6.820	1.918	-1.110	0.014759
.							
21501	0	0.002416	-0.024349	7.129	-2.022	-2.998	0.036733
21501	2.300	0.002416	-0.024349	-7.820	-2.022	-3.792	-0.019266
.							
21601	0	0.030719	-0.003491	7.647	-0.501374	-3.311	0.006328
21601	2.300	0.030719	-0.003491	-7.303	-0.501374	-2.915	-0.001700
.							
21701	0	0.040393	0.005716	7.303	0.501374	-2.915	-0.004409
21701	2.300	0.040393	0.005716	-7.647	0.501374	-3.311	0.008736
.							
21801	0	0.040356	0.026204	7.820	2.022	-3.792	-0.021397
21801	2.300	0.040356	0.026204	-7.129	2.022	-2.998	0.038870
.							
22101	0	0.043978	-0.023424	7.934	2.597	-3.323	0.039049
22101	2.300	0.043978	-0.023424	-8.741	2.597	-4.251	-0.014825
.							
22111	0	0.053298	0.017353	7.713	2.456	-1.167	-0.023009
22111	2.300	0.053298	0.017353	-8.961	2.456	-2.601	0.016900
.							

22121	0	0.026071	0.012974	8.390	2.042	-0.856363	-0.016860
22121	2.300	0.026071	0.012974	-8.284	2.042	-0.734301	0.012980
.							
22131	0	0.014378	0.006566	9.034	1.446	-0.896030	-0.008072
22131	2.300	0.014378	0.006566	-7.640	1.446	0.706261	0.007029
.							
22141	0	0.010605	0.004549	9.444	0.741218	-0.961227	-0.005382
22141	2.300	0.010605	0.004549	-7.230	0.741218	1.584	0.005080
.							
22151	0	0.008726	0.006231	9.580	-0.014129	-0.986833	-0.007234
22151	2.300	0.008726	0.006231	-7.094	-0.014129	1.871	0.007096
.							
22161	0	0.007324	0.010548	9.436	-0.770001	-0.963461	-0.012162
22161	2.300	0.007324	0.010548	-7.239	-0.770001	1.563	0.012098
.							
22171	0	0.004194	0.016939	9.016	-1.476	-0.900711	-0.020010
22171	2.300	0.004194	0.016939	-7.659	-1.476	0.659456	0.018947
.							
22181	0	-0.010429	0.024169	8.359	-2.074	-0.865134	-0.030572
22181	2.300	-0.010429	0.024169	-8.315	-2.074	-0.814039	0.025014
.							
22191	0	-0.047127	0.020993	7.669	-2.490	-1.188	-0.028229
22191	2.300	-0.047127	0.020993	-9.005	-2.490	-2.724	0.020053
.							
22201	0	0.044836	-0.002650	8.524	0.707987	-3.687	0.006001
22201	2.300	0.044836	-0.002650	-8.151	0.707987	-3.258	-9.37E-05
.							
22211	0	0.050630	-0.000719	8.517	0.679624	-2.580	0.000356
22211	2.300	0.050630	-0.000719	-8.157	0.679624	-2.166	-0.001298
.							
22221	0	0.036957	-0.000542	8.248	0.590315	-1.161	-0.001082
22221	2.300	0.036957	-0.000542	-8.426	0.590315	-1.366	-0.002328
.							
22231	0	0.020823	-0.000757	8.007	0.436603	0.022936	-0.000653
22231	2.300	0.020823	-0.000757	-8.667	0.436603	-0.736275	-0.002393
.							
22241	0	0.009173	0.000508	7.867	0.230520	0.767137	-0.001570
22241	2.300	0.009173	0.000508	-8.807	0.230520	-0.313946	-0.000401
.							
22251	0	0.001688	0.003603	7.824	-0.004276	1.012	-0.004802
22251	2.300	0.001688	0.003603	-8.850	-0.004276	-0.167147	0.003483
.							
22261	0	-0.004307	0.007855	7.872	-0.238425	0.746977	-0.009646
22261	2.300	-0.004307	0.007855	-8.803	-0.238425	-0.323507	0.008421
.							
22271	0	-0.010527	0.011702	8.020	-0.442667	-0.021012	-0.014010
22271	2.300	-0.010527	0.011702	-8.654	-0.442667	-0.750609	0.012903
.							
22281	0	-0.014186	0.011699	8.275	-0.593723	-1.234	-0.013098
22281	2.300	-0.014186	0.011699	-8.399	-0.593723	-1.377	0.013808
.							
22291	0	-0.003839	0.003350	8.562	-0.680404	-2.683	-0.000767
22291	2.300	-0.003839	0.003350	-8.113	-0.680404	-2.167	0.006936
.							
22301	0	0.054674	0.003266	8.151	-0.707989	-3.258	-0.001156
22301	2.300	0.054674	0.003266	-8.524	-0.707989	-3.687	0.006355
.							
22311	0	0.055205	-0.013006	8.157	-0.679625	-2.166	0.013766
22311	2.300	0.055205	-0.013006	-8.517	-0.679625	-2.580	-0.016147

.							
22321	0	0.035280	-0.016644	8.426	-0.590316	-1.366	0.016743
22321	2.300	0.035280	-0.016644	-8.248	-0.590316	-1.161	-0.021537
.							
22331	0	0.015308	-0.013073	8.667	-0.436604	-0.736273	0.013167
22331	2.300	0.015308	-0.013073	-8.007	-0.436604	0.022937	-0.016899
.							
22341	0	0.002320	-0.007838	8.807	-0.230522	-0.313943	0.007924
22341	2.300	0.002320	-0.007838	-7.867	-0.230522	0.767137	-0.010103
.							
22351	0	-0.005421	-0.003366	8.850	0.004275	-0.167150	0.003208
22351	2.300	-0.005421	-0.003366	-7.824	0.004275	1.013	-0.004532
.							
22361	0	-0.011196	-7.29E-05	8.803	0.238424	-0.323507	-0.000420
22361	2.300	-0.011196	-7.29E-05	-7.872	0.238424	0.746978	-0.000588
.							
22371	0	-0.015890	0.002471	8.654	0.442666	-0.750605	-0.002997
22371	2.300	-0.015890	0.002471	-8.020	0.442666	-0.021012	0.002685
.							
22381	0	-0.014835	0.005522	8.399	0.593722	-1.377	-0.005139
22381	2.300	-0.014835	0.005522	-8.275	0.593722	-1.234	0.007562
.							
22391	0	0.003572	0.010046	8.113	0.680403	-2.167	-0.007539
22391	2.300	0.003572	0.010046	-8.562	0.680403	-2.683	0.015567
.							
22401	0	0.086062	0.024045	8.741	-2.597	-4.251	-0.015686
22401	2.300	0.086062	0.024045	-7.934	-2.597	-3.323	0.039615
.							
22411	0	0.064459	-0.037794	8.961	-2.456	-2.601	0.036311
22411	2.300	0.064459	-0.037794	-7.713	-2.456	-1.167	-0.050611
.							
22421	0	0.014280	-0.029442	8.284	-2.042	-0.734294	0.030473
22421	2.300	0.014280	-0.029442	-8.390	-2.042	-0.856363	-0.037241
.							
22431	0	-0.003393	-0.017246	7.640	-1.446	0.706263	0.019047
22431	2.300	-0.003393	-0.017246	-9.034	-1.446	-0.896028	-0.020618
.							
22441	0	-0.007976	-0.009789	7.230	-0.741219	1.584	0.011072
22441	2.300	-0.007976	-0.009789	-9.444	-0.741219	-0.961224	-0.011442
.							
22451	0	-0.009917	-0.006085	7.094	0.014128	1.871	0.006926
22451	2.300	-0.009917	-0.006085	-9.580	0.014128	-0.986835	-0.007068
.							
22461	0	-0.011277	-0.005003	7.239	0.770000	1.563	0.005755
22461	2.300	-0.011277	-0.005003	-9.436	0.770000	-0.963465	-0.005750
.							
22471	0	-0.013507	-0.005852	7.659	1.476	0.659460	0.006491
22471	2.300	-0.013507	-0.005852	-9.016	1.476	-0.900715	-0.006969
.							
22481	0	-0.021444	-0.006906	8.315	2.074	-0.814043	0.006763
22481	2.300	-0.021444	-0.006906	-8.359	2.074	-0.865126	-0.009121
.							
22491	0	-0.032614	0.001058	9.005	2.490	-2.724	-0.000776
22491	2.300	-0.032614	0.001058	-7.669	2.490	-1.188	0.001656
.							
22501	0	-0.012446	-0.055361	7.883	-2.632	-3.388	0.086336
22501	2.300	-0.012446	-0.055361	-8.792	-2.632	-4.433	-0.040989
.							
22601	0	0.034419	-0.011224	8.569	-0.707674	-3.791	0.019065
22601	2.300	0.034419	-0.011224	-8.105	-0.707674	-3.258	-0.006748
.							
22701	0	0.047357	0.011631	8.105	0.707673	-3.258	-0.007264
22701	2.300	0.047357	0.011631	-8.569	0.707673	-3.791	0.019487
.							
22801	0	0.036717	0.056151	8.792	2.632	-4.433	-0.041669
22801	2.300	0.036717	0.056151	-7.883	2.632	-3.388	0.087473
.							
23101	0	0.075857	-0.068412	9.198	3.928	-3.921	0.115100
23101	2.300	0.075857	-0.068412	-10.351	3.928	-5.248	-0.042242
.							
23111	0	0.089906	0.042688	9.306	3.712	-1.261	-0.056591
23111	2.300	0.089906	0.042688	-10.243	3.712	-2.338	0.041589
.							
23121	0	0.036159	0.025077	10.500	3.071	-1.014	-0.031715
23121	2.300	0.036159	0.025077	-9.049	3.071	0.654017	0.025960
.							
23131	0	0.020209	0.008853	11.507	2.168	-1.109	-0.010538
23131	2.300	0.020209	0.008853	-8.042	2.168	2.876	0.009823
.							
23141	0	0.016303	0.002109	12.121	1.117	-1.193	-0.002485
23141	2.300	0.016303	0.002109	-7.429	1.117	4.203	0.002364
.							
23151	0	0.015298	-1.54E-09	12.324	2.69E-06	-1.222	1.10E-09
23151	2.300	0.015298	-1.54E-09	-7.225	2.69E-06	4.641	-2.46E-09
.							
23161	0	0.016303	-0.002109	12.121	-1.117	-1.193	0.002485
23161	2.300	0.016303	-0.002109	-7.429	-1.117	4.203	-0.002364
.							
23171	0	0.020208	-0.008853	11.507	-2.168	-1.109	0.010538
23171	2.300	0.020208	-0.008853	-8.042	-2.168	2.876	-0.009823
.							
23181	0	0.036159	-0.025077	10.500	-3.071	-1.014	0.031715
23181	2.300	0.036159	-0.025077	-9.049	-3.071	0.654030	-0.025960
.							
23191	0	0.089906	-0.042688	9.306	-3.712	-1.261	0.056590
23191	2.300	0.089906	-0.042688	-10.243	-3.712	-2.338	-0.041588
.							
23201	0	0.064359	-0.013077	10.035	1.207	-4.431	0.024360
23201	2.300	0.064359	-0.013077	-9.515	1.207	-3.833	-0.005716
.							
23211	0	0.084522	-0.001147	10.142	1.162	-2.393	0.001693
23211	2.300	0.084522	-0.001147	-9.407	1.162	-1.548	-0.000945
.							
23221	0	0.059784	0.000134	9.887	1.014	0.025965	-0.003135
23221	2.300	0.059784	0.000134	-9.662	1.014	0.285216	-0.002828
.							
23231	0	0.032662	-0.002457	9.716	0.752460	1.937	0.000426
23231	2.300	0.032662	-0.002457	-9.833	0.752460	1.802	-0.005225
.							
23241	0	0.017360	-0.002458	9.659	0.400889	3.102	0.001755
23241	2.300	0.017360	-0.002458	-9.891	0.400889	2.835	-0.003898
.							
23251	0	0.012846	-9.54E-09	9.650	1.01E-06	3.489	8.41E-09
23251	2.300	0.012846	-9.54E-09	-9.899	1.01E-06	3.204	-1.35E-08
.							
23261	0	0.017360	0.002458	9.659	-0.400887	3.102	-0.001755
23261	2.300	0.017360	0.002458	-9.891	-0.400887	2.835	0.003898
.							

23271	0	0.032662	0.002457	9.716	-0.752458	1.937	-0.000426
23271	2.300	0.032662	0.002457	-9.833	-0.752458	1.802	0.005225
.							
23281	0	0.059783	-0.000134	9.887	-1.014	0.025978	0.003135
23281	2.300	0.059783	-0.000134	-9.662	-1.014	0.285221	0.002828
.							
23291	0	0.084522	0.001147	10.142	-1.162	-2.393	-0.001693
23291	2.300	0.084522	0.001147	-9.407	-1.162	-1.548	0.000945
.							
23301	0	0.078995	0.009002	9.515	-1.207	-3.833	-0.001391
23301	2.300	0.078995	0.009002	-10.035	-1.207	-4.431	0.019313
.							
23311	0	0.090606	-0.026128	9.407	-1.162	-1.548	0.029031
23311	2.300	0.090606	-0.026128	-10.142	-1.162	-2.393	-0.031062
.							
23321	0	0.056504	-0.030741	9.662	-1.014	0.285208	0.031152
23321	2.300	0.056504	-0.030741	-9.887	-1.014	0.025972	-0.039551
.							
23331	0	0.024868	-0.020906	9.833	-0.752461	1.802	0.021109
23331	2.300	0.024868	-0.020906	-9.716	-0.752461	1.937	-0.026972
.							
23341	0	0.008440	-0.009770	9.891	-0.400890	2.835	0.010000
23341	2.300	0.008440	-0.009770	-9.659	-0.400890	3.102	-0.012471
.							
23351	0	0.003793	-2.07E-08	9.899	-1.01E-06	3.204	2.09E-08
23351	2.300	0.003793	-2.07E-08	-9.650	-1.01E-06	3.489	-2.67E-08
.							
23361	0	0.008440	0.009770	9.891	0.400888	2.835	-0.009999
23361	2.300	0.008440	0.009770	-9.659	0.400888	3.102	0.012471
.							
23371	0	0.024868	0.020906	9.833	0.752459	1.802	-0.021109
23371	2.300	0.024868	0.020906	-9.716	0.752459	1.937	0.026972
.							
23381	0	0.056504	0.030741	9.662	1.014	0.285213	-0.031152
23381	2.300	0.056504	0.030741	-9.887	1.014	0.025987	0.039551
.							
23391	0	0.090606	0.026128	9.407	1.162	-1.548	-0.029031
23391	2.300	0.090606	0.026128	-10.142	1.162	-2.393	0.031062
.							
23401	0	0.134154	0.066201	10.351	-3.928	-5.248	-0.039562
23401	2.300	0.134154	0.066201	-9.198	-3.928	-3.921	0.112696
.							
23411	0	0.100130	-0.076413	10.243	-3.712	-2.338	0.074137
23411	2.300	0.100130	-0.076413	-9.306	-3.712	-1.261	-0.101605
.							
23421	0	0.018969	-0.049768	9.049	-3.071	0.654008	0.052680
23421	2.300	0.018969	-0.049768	-10.500	-3.071	-1.014	-0.061783
.							
23431	0	-0.002416	-0.024802	8.042	-2.168	2.876	0.027809
23431	2.300	-0.002416	-0.024802	-11.507	-2.168	-1.109	-0.029232
.							
23441	0	-0.007332	-0.010104	7.429	-1.117	4.203	0.011427
23441	2.300	-0.007332	-0.010104	-12.121	-1.117	-1.193	-0.011813
.							
23451	0	-0.008612	-1.98E-08	7.225	-2.69E-06	4.641	2.18E-08
23451	2.300	-0.008612	-1.98E-08	-12.324	-2.69E-06	-1.222	-2.38E-08
.							
23461	0	-0.007332	0.010104	7.429	1.117	4.203	-0.011426
23461	2.300	-0.007332	0.010104	-12.121	1.117	-1.193	0.011813

.							
23471	0	-0.002416	0.024802	8.042	2.168	2.876	-0.027809
23471	2.300	-0.002416	0.024802	-11.507	2.168	-1.109	0.029232
.							
23481	0	0.018968	0.049768	9.049	3.071	0.654021	-0.052679
23481	2.300	0.018968	0.049768	-10.500	3.071	-1.014	0.061783
.							
23491	0	0.100129	0.076413	10.243	3.712	-2.338	-0.074137
23491	2.300	0.100129	0.076413	-9.306	3.712	-1.261	0.101605
.							
23501	0	0.075857	0.068411	9.198	-3.928	-3.922	-0.115099
23501	2.300	0.075857	0.068411	-10.351	-3.928	-5.248	0.042241
.							
23601	0	0.064359	0.013077	10.035	-1.207	-4.431	-0.024360
23601	2.300	0.064359	0.013077	-9.515	-1.207	-3.833	0.005716
.							
23701	0	0.078995	-0.009002	9.515	1.207	-3.833	0.001391
23701	2.300	0.078995	-0.009002	-10.035	1.207	-4.431	-0.019312
.							
23801	0	0.134153	-0.066201	10.351	3.928	-5.248	0.039561
23801	2.300	0.134153	-0.066201	-9.198	3.928	-3.922	-0.112694
.							
24101	0	-0.012446	0.055361	7.883	2.632	-3.388	-0.086336
24101	2.300	-0.012446	0.055361	-8.792	2.632	-4.433	0.040989
.							
24111	0	-0.047126	-0.020993	7.669	2.490	-1.188	0.028229
24111	2.300	-0.047126	-0.020993	-9.005	2.490	-2.724	-0.020052
.							
24121	0	-0.010429	-0.024169	8.359	2.074	-0.865126	0.030572
24121	2.300	-0.010429	-0.024169	-8.315	2.074	-0.814053	-0.025014
.							
24131	0	0.004194	-0.016939	9.016	1.476	-0.900715	0.020010
24131	2.300	0.004194	-0.016939	-7.659	1.476	0.659454	-0.018947
.							
24141	0	0.007324	-0.010548	9.436	0.770005	-0.963464	0.012162
24141	2.300	0.007324	-0.010548	-7.239	0.770005	1.563	-0.012098
.							
24151	0	0.008726	-0.006231	9.580	0.014133	-0.986837	0.007234
24151	2.300	0.008726	-0.006231	-7.094	0.014133	1.871	-0.007096
.							
24161	0	0.010605	-0.004549	9.444	-0.741215	-0.961223	0.005382
24161	2.300	0.010605	-0.004549	-7.230	-0.741215	1.584	-0.005080
.							
24171	0	0.014378	-0.006566	9.034	-1.446	-0.896033	0.008072
24171	2.300	0.014378	-0.006566	-7.640	-1.446	0.706268	-0.007029
.							
24181	0	0.026071	-0.012974	8.390	-2.042	-0.856373	0.016860
24181	2.300	0.026071	-0.012974	-8.284	-2.042	-0.734284	-0.012980
.							
24191	0	0.053298	-0.017353	7.713	-2.456	-1.167	0.023010
24191	2.300	0.053298	-0.017353	-8.961	-2.456	-2.601	-0.016900
.							
24201	0	0.034419	0.011224	8.569	0.707675	-3.791	-0.019065
24201	2.300	0.034419	0.011224	-8.105	0.707675	-3.258	0.006748
.							
24211	0	-0.003838	-0.003349	8.562	0.680405	-2.683	0.000767
24211	2.300	-0.003838	-0.003349	-8.113	0.680405	-2.167	-0.006936
.							
24221	0	-0.014185	-0.011699	8.275	0.593724	-1.234	0.013098

24221	2.300	-0.014185	-0.011699	-8.399	0.593724	-1.377	-0.013808
.							
24231	0	-0.010527	-0.011702	8.020	0.442668	-0.021015	0.014009
24231	2.300	-0.010527	-0.011702	-8.654	0.442668	-0.750609	-0.012903
.							
24241	0	-0.004306	-0.007855	7.872	0.238426	0.746980	0.009646
24241	2.300	-0.004306	-0.007855	-8.803	0.238426	-0.323511	-0.008421
.							
24251	0	0.001688	-0.003603	7.824	0.004277	1.013	0.004802
24251	2.300	0.001688	-0.003603	-8.850	0.004277	-0.167151	-0.003483
.							
24261	0	0.009173	-0.000508	7.867	-0.230519	0.767142	0.001570
24261	2.300	0.009173	-0.000508	-8.807	-0.230519	-0.313946	0.000401
.							
24271	0	0.020823	0.000757	8.007	-0.436602	0.022941	0.000653
24271	2.300	0.020823	0.000757	-8.667	-0.436602	-0.736269	0.002393
.							
24281	0	0.036957	0.000542	8.248	-0.590315	-1.161	0.001082
24281	2.300	0.036957	0.000542	-8.426	-0.590315	-1.366	0.002328
.							
24291	0	0.050630	0.000719	8.517	-0.679624	-2.580	-0.000356
24291	2.300	0.050630	0.000719	-8.157	-0.679624	-2.166	0.001298
.							
24301	0	0.047357	-0.011631	8.105	-0.707674	-3.258	0.007264
24301	2.300	0.047357	-0.011631	-8.569	-0.707674	-3.791	-0.019486
.							
24311	0	0.003572	-0.010046	8.113	-0.680404	-2.167	0.007539
24311	2.300	0.003572	-0.010046	-8.562	-0.680404	-2.683	-0.015567
.							
24321	0	-0.014835	-0.005522	8.399	-0.593723	-1.377	0.005139
24321	2.300	-0.014835	-0.005522	-8.275	-0.593723	-1.234	-0.007562
.							
24331	0	-0.015890	-0.002471	8.654	-0.442667	-0.750607	0.002997
24331	2.300	-0.015890	-0.002471	-8.020	-0.442667	-0.021015	-0.002685
.							
24341	0	-0.011195	7.29E-05	8.803	-0.238425	-0.323512	0.000420
24341	2.300	-0.011195	7.29E-05	-7.872	-0.238425	0.746982	0.000588
.							
24351	0	-0.005421	0.003366	8.850	-0.004276	-0.167146	-0.003208
24351	2.300	-0.005421	0.003366	-7.824	-0.004276	1.012	0.004532
.							
24361	0	0.002320	0.007838	8.807	0.230520	-0.313949	-0.007924
24361	2.300	0.002320	0.007838	-7.867	0.230520	0.767149	0.010103
.							
24371	0	0.015308	0.013073	8.667	0.436604	-0.736268	-0.013167
24371	2.300	0.015308	0.013073	-8.007	0.436604	0.022941	0.016899
.							
24381	0	0.035280	0.016644	8.426	0.590316	-1.366	-0.016743
24381	2.300	0.035280	0.016644	-8.248	0.590316	-1.161	0.021537
.							
24391	0	0.055205	0.013006	8.157	0.679625	-2.166	-0.013766
24391	2.300	0.055205	0.013006	-8.517	0.679625	-2.580	0.016147
.							
24401	0	0.036717	-0.056151	8.792	-2.632	-4.433	0.041669
24401	2.300	0.036717	-0.056151	-7.883	-2.632	-3.388	-0.087472
.							
24411	0	-0.032614	-0.001058	9.005	-2.490	-2.724	0.000777
24411	2.300	-0.032614	-0.001058	-7.669	-2.490	-1.188	-0.001656
.							
24421	0	-0.021444	0.006906	8.315	-2.074	-0.814045	-0.006763
24421	2.300	-0.021444	0.006906	-8.359	-2.074	-0.865131	0.009121
.							
24431	0	-0.013507	0.005852	7.659	-1.476	0.659458	-0.006491
24431	2.300	-0.013507	0.005852	-9.016	-1.476	-0.900715	0.006968
.							
24441	0	-0.011277	0.005003	7.239	-0.770004	1.563	-0.005755
24441	2.300	-0.011277	0.005003	-9.436	-0.770004	-0.963463	0.005750
.							
24451	0	-0.009917	0.006084	7.094	-0.014132	1.871	-0.006926
24451	2.300	-0.009917	0.006084	-9.580	-0.014132	-0.986830	0.007068
.							
24461	0	-0.007976	0.009789	7.230	0.741216	1.584	-0.011072
24461	2.300	-0.007976	0.009789	-9.444	0.741216	-0.961225	0.011442
.							
24471	0	-0.003393	0.017246	7.640	1.446	0.736271	-0.019047
24471	2.300	-0.003393	0.017246	-9.034	1.446	-0.896030	0.020618
.							
24481	0	0.014280	0.029442	8.284	2.042	-0.734287	-0.030473
24481	2.300	0.014280	0.029442	-8.390	2.042	-0.856363	0.037241
.							
24491	0	0.064459	0.037794	8.961	2.456	-2.601	-0.036311
24491	2.300	0.064459	0.037794	-7.713	2.456	-1.167	0.050611
.							
24501	0	0.043979	0.023424	7.934	-2.597	-3.323	-0.039048
24501	2.300	0.043979	0.023424	-8.740	-2.597	-4.251	0.014825
.							
24601	0	0.044836	0.002650	8.524	-0.707988	-3.687	-0.006001
24601	2.300	0.044836	0.002650	-8.151	-0.707988	-3.258	8.37E-05
.							
24701	0	0.054674	-0.003266	8.151	0.707989	-3.258	0.001156
24701	2.300	0.054674	-0.003266	-8.524	0.707989	-3.687	-0.006355
.							
24801	0	0.086062	-0.024045	8.740	2.597	-4.251	0.015686
24801	2.300	0.086062	-0.024045	-7.934	2.597	-3.323	-0.039615
.							
25101	0	0.002416	0.024349	7.129	2.022	-2.998	-0.036733
25101	2.300	0.002416	0.024349	-7.820	2.022	-3.792	0.019267
.							
25111	0	-0.017272	-0.005164	6.820	1.918	-1.110	0.007321
25111	2.300	-0.017272	-0.005164	-8.130	1.918	-2.616	-0.004555
.							
25121	0	-0.001599	-0.009365	7.286	1.612	-0.767169	0.012082
25121	2.300	-0.001599	-0.009365	-7.664	1.612	-1.202	-0.009457
.							
25131	0	0.006102	-0.007774	7.777	1.170	-0.765876	0.009266
25131	2.300	0.006102	-0.007774	-7.173	1.170	-0.070995	-0.008614
.							
25141	0	0.007605	-0.005220	8.110	0.645373	-0.807975	0.005988
25141	2.300	0.007605	-0.005220	-6.840	0.645373	0.652890	-0.006017
.							
25151	0	0.007674	-0.002592	8.241	0.081523	-0.820612	0.002945
25151	2.300	0.007674	-0.002592	-6.708	0.081523	0.941683	-0.003015
.							
25161	0	0.007853	-0.000100	8.160	-0.482006	-0.782777	0.000106
25161	2.300	0.007853	-0.000100	-6.790	-0.482006	0.792475	-0.000124
.							
25171	0	0.007958	0.002231	7.858	-1.007	-0.673848	-0.002641
25171	2.300	0.007958	0.002231	-7.091	-1.007	0.208338	0.002490

```
.
25181       0  0.006013  0.004650     7.310    -1.450 -0.435811 -0.005865
25181   2.300  0.006013  0.004650    -7.640    -1.450 -0.814886  0.004830
.
25191       0 -0.003488  0.007274     6.384    -1.760  0.147495 -0.010073
25191   2.300 -0.003488  0.007274    -8.566    -1.760    -2.362  0.006656
.
25201       0  0.030718  0.003491     7.647  0.501372    -3.311 -0.006328
25201   2.300  0.030718  0.003491    -7.303  0.501372    -2.915  0.001700
.
25211       0  0.011328 -0.001441     7.612  0.482069    -2.548  4.81E-05
25211   2.300  0.011328 -0.001441    -7.337  0.482069    -2.232 -0.003267
.
25221       0  0.001860 -0.005359     7.363  0.422143    -1.512  0.005589
25221   2.300  0.001860 -0.005359    -7.586  0.422143    -1.769 -0.006737
.
25231       0 -0.000293 -0.005787     7.122  0.318632 -0.605587  0.006596
25231   2.300 -0.000293 -0.005787    -7.827  0.318632    -1.417 -0.006714
.
25241       0  0.000261 -0.003753     6.962  0.178542 -0.000350  0.004386
25241   2.300  0.000261 -0.003753    -7.987  0.178542    -1.179 -0.004245
.
25251       0  0.001248 -0.000673     6.894  0.016993  0.246746  0.000839
25251   2.300  0.001248 -0.000673    -8.056  0.016993    -1.089 -0.000709
.
25261       0  0.002000  0.002624     6.914 -0.146358  0.122052 -0.003000
25261   2.300  0.002000  0.002624    -8.036 -0.146358    -1.168  0.003035
.
25271       0  0.002096  0.005628     7.030 -0.291092 -0.373013 -0.006567
25271   2.300  0.002096  0.005628    -7.920 -0.291092    -1.397  0.006378
.
25281       0  0.000748  0.007689     7.255 -0.399912    -1.219 -0.009144
25281   2.300  0.000748  0.007689    -7.695 -0.399912    -1.725  0.008539
.
25291       0 -0.002823  0.007893     7.567 -0.463016    -2.322 -0.009612
25291   2.300 -0.002823  0.007893    -7.383 -0.463016    -2.111  0.008542
.
25301       0  0.040392 -0.005716     7.303 -0.501372    -2.915  0.004409
25301   2.300  0.040392 -0.005716    -7.647 -0.501372    -3.311 -0.008736
.
25311       0  0.017622 -0.007985     7.337 -0.482068    -2.232  0.006965
25311   2.300  0.017622 -0.007985    -7.612 -0.482068    -2.548 -0.011399
.
25321       0  0.001840 -0.006491     7.586 -0.422143    -1.769  0.006276
25321   2.300  0.001840 -0.006491    -7.363 -0.422143    -1.512 -0.008653
.
25331       0 -0.004559 -0.004012     7.827 -0.318632    -1.417  0.004237
25331   2.300 -0.004559 -0.004012    -7.122 -0.318632 -0.605588 -0.004990
.
25341       0 -0.005713 -0.001365     7.987 -0.178541    -1.179  0.001541
25341   2.300 -0.005713 -0.001365    -6.962 -0.178541 -0.000354 -0.001599
.
25351       0 -0.005214  0.001398     8.056 -0.016993    -1.089 -0.001555
25351   2.300 -0.005214  0.001398    -6.894 -0.016993  0.246743  0.001660
.
25361       0 -0.004554  0.004226     8.036  0.146358    -1.168 -0.004792
25361   2.300 -0.004554  0.004226    -6.914  0.146358  0.122048  0.004927
.
25371       0 -0.003740  0.006840     7.920  0.291092    -1.397 -0.007731
25371   2.300 -0.003740  0.006840    -7.030  0.291092 -0.373018  0.008000
.
25381       0 -0.001981  0.008599     7.695  0.399912    -1.725 -0.009592
25381   2.300 -0.001981  0.008599    -7.255  0.399912    -1.219  0.010185
.
25391       0  0.001485  0.008558     7.383  0.463016    -2.111 -0.009366
25391   2.300  0.001485  0.008558    -7.567  0.463016    -2.322  0.010317
.
25401       0  0.040355 -0.026204     7.820    -2.022    -3.792  0.021397
25401   2.300  0.040355 -0.026204    -7.129    -2.022    -2.998 -0.038870
.
25411       0 -0.003905 -0.011288     8.130    -1.918    -2.616  0.011202
25411   2.300 -0.003905 -0.011288    -6.820    -1.918    -1.110 -0.014759
.
25421       0 -0.009806 -0.004364     7.664    -1.612    -1.202  0.004984
25421   2.300 -0.009806 -0.004364    -7.286    -1.612 -0.767172 -0.005054
.
25431       0 -0.009019 -0.001375     7.173    -1.170 -0.070986  0.001621
25431   2.300 -0.009019 -0.001375    -7.777    -1.170 -0.765882 -0.001543
.
25441       0 -0.008659  0.000317     6.840 -0.645373  0.652895 -0.000396
25441   2.300 -0.008659  0.000317    -8.110 -0.645373 -0.807979  0.000333
.
25451       0 -0.008709  0.001710     6.708 -0.081523  0.941690 -0.001998
25451   2.300 -0.008709  0.001710    -8.241 -0.081523 -0.820616  0.001934
.
25461       0 -0.008792  0.003088     6.790  0.482006  0.792480 -0.003565
25461   2.300 -0.008792  0.003088    -8.160  0.482006 -0.782778  0.003537
.
25471       0 -0.008650  0.004554     7.091     1.007  0.208343 -0.005167
25471   2.300 -0.008650  0.004554    -7.858     1.007 -0.673849  0.005306
.
25481       0 -0.006521  0.006323     7.640     1.450 -0.814879 -0.006766
25481   2.300 -0.006521  0.006323    -7.310     1.450 -0.435814  0.007777
.
25491       0  0.002978  0.008424     8.566     1.760    -2.362 -0.008009
25491   2.300  0.002978  0.008424    -6.384     1.760  0.147494  0.011365
.
25501       0 -0.024402  0.006763     4.391    -1.869     2.025 -0.010118
25501   2.300 -0.024402  0.006763   -10.559    -1.869    -5.067  0.005437
.
25601       0 -0.008321  0.006130     7.686 -0.483192    -3.189 -0.007704
25601   2.300 -0.008321  0.006130    -7.264 -0.483192    -2.703  0.006395
.
25701       0  0.006316  0.006605     7.264  0.483192    -2.703 -0.007054
25701   2.300  0.006316  0.006605    -7.686  0.483192    -3.189  0.008136
.
25801       0  0.023610  0.007490    10.559     1.869    -5.067 -0.006331
25801   2.300  0.023610  0.007490    -4.391     1.869     2.025  0.010895
.
.ID Hip¢tesi   3
.SK 4
.TP 20
CARGAS:                          ''                                Ejec.  "HIP"
=============================================================================
Hip¢tesis      Factor         Etapa      T¡tulo
  3            1.0000                    carga muerta
=============================================================================
.ID REA3,STATIK2,1.58
```

.UN M,KN
.EL !LHIP.007
.SK 3
.TP 12
.TK 4
REACCIONES EN APOYOS:

NUDOS	FX [kN]	FY [kN]	FZ [kN]	MX [kNm]	MY [kNm]	MZ [kNm]
1101	-0.000355	-0.000179	70.732			
1201	-0.000397	-0.000166	61.035			
1301	-0.000426	-0.000161	53.346			
1401	-0.000455	-0.000165	61.035			
1501	-0.000494	-0.000177	70.732			
5111	0.000356	-0.000179	70.732			
5211	0.000397	-0.000166	61.035			
5311	0.000427	-0.000161	53.346			
5411	0.000455	-0.000165	61.035			
5511	0.000494	-0.000177	70.732			
11113	0.908192	-5.96E-05	678.333	0.000607	-1.836	0.042518
11313	2.066	0.000907	774.037	-0.009367	0.769608	0.020155
11513	-2.066	0.000907	774.037	-0.009367	-0.769766	-0.020155
11713	-0.908199	-5.96E-05	678.332	0.000607	1.836	-0.042518
. Sumas:	2.38E-07	1.23E-08	3538.498			

.ID SKR3,STATIK2,1.58
.UN M,KN
.EL !LHIP.007
.SK 3
.TP 12
.TK 4
ESFUERZOS:

Barra	Distancia [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
1101	0	0.011693	-0.041012	66.205	0.861255	-0.835097	-0.016889
1101	1.270	0.011693	-0.041012	56.046	0.861255	76.791	-0.068972
1102	0	0.023867	-0.045882	52.264	0.942861	76.000	-0.085792
1102	1.270	0.023867	-0.045882	42.105	0.942861	135.922	-0.144060
1103	0	0.031257	-0.035028	38.600	0.807922	135.240	-0.153271
1103	1.270	0.031257	-0.035028	28.440	0.807922	177.809	-0.197755
1104	0	0.034665	-0.021727	25.093	0.591790	177.285	-0.201664
1104	1.270	0.034665	-0.021727	14.933	0.591790	202.700	-0.229256
1105	0	0.034693	-0.009127	11.686	0.342910	202.362	-0.229240
1105	1.270	0.034693	-0.009127	1.526	0.342910	210.752	-0.240831
1106	0	0.031534	0.003188	-1.660	0.091756	210.614	-0.237276
1106	1.270	0.031534	0.003188	-11.819	0.091756	202.055	-0.233228
1107	0	0.025578	0.016108	-14.981	-0.131392	202.112	-0.226540
1107	1.270	0.025578	0.016108	-25.141	-0.131392	176.635	-0.206084
1108	0	0.017811	0.029113	-28.314	-0.280017	176.869	-0.197093
1108	1.270	0.017811	0.029113	-38.474	-0.280017	134.460	-0.160120
1109	0	0.010463	0.037468	-41.721	-0.242207	134.839	-0.150830
1109	1.270	0.010463	0.037468	-51.880	-0.242207	75.405	-0.103247
1110	0	0.010072	0.036107	-55.372	0.335487	75.884	-0.102265
1110	1.270	0.010072	0.036107	-65.531	0.335487	-0.885964	-0.056411
1201	0	-0.000756	0.026993	50.287	1.056	0.434156	-0.021992
1201	1.270	-0.000756	0.026993	50.287	1.056	64.297	0.012288
1202	0	0.000122	0.027406	39.215	1.108	64.710	-0.014793
1202	1.270	0.000122	0.027406	39.215	1.108	114.512	0.020011
1203	0	0.005347	0.018036	28.083	0.919996	114.871	-0.002784
1203	1.270	0.005347	0.018036	28.083	0.919996	150.536	0.020121
1204	0	0.011161	0.008438	16.939	0.644030	150.819	0.005424
1204	1.270	0.011161	0.008438	16.939	0.644030	172.331	0.016140
1205	0	0.015651	-0.000353	5.772	0.325648	172.525	0.010841
1205	1.270	0.015651	-0.000353	5.772	0.325648	179.856	0.010393
1206	0	0.018439	-0.009036	-5.449	-0.010598	179.961	0.014467
1206	1.270	0.018439	-0.009036	-5.449	-0.010598	173.041	0.002991
1207	0	0.019779	-0.017353	-16.770	-0.346686	173.063	0.015062
1207	1.270	0.019779	-0.017353	-16.770	-0.346686	151.767	-0.006976
1208	0	0.020486	-0.021953	-28.243	-0.674581	151.723	0.009346
1208	1.270	0.020486	-0.021953	-28.243	-0.674581	115.855	-0.018533
1209	0	0.021834	-0.012260	-39.879	-1.017	115.765	-0.005512
1209	1.270	0.021834	-0.012260	-39.879	-1.017	65.121	-0.021082
1210	0	0.021553	0.026527	-51.483	-1.485	65.003	-0.023003
1210	1.270	0.021553	0.026527	-51.483	-1.485	-0.377310	0.010684
1301	0	0.001097	0.024065	44.718	-3.30E-08	0.809008	-0.022184
1301	1.270	0.001097	0.024065	44.718	-3.30E-08	57.598	0.008377
1302	0	0.002037	0.030875	35.251	4.02E-10	58.368	-0.021029
1302	1.270	0.002037	0.030875	35.251	4.02E-10	103.135	0.018181
1303	0	0.003297	0.026014	25.351	8.55E-08	103.790	-0.011308
1303	1.270	0.003297	0.026014	25.351	8.55E-08	135.985	0.021728
1304	0	0.004874	0.016320	15.162	2.07E-07	136.474	-0.000958
1304	1.270	0.004874	0.016320	15.162	2.07E-07	155.728	0.019767
1305	0	0.006714	0.005813	4.814	3.57E-07	156.018	0.007314
1305	1.270	0.006714	0.005813	4.814	3.57E-07	162.132	0.014696
1306	0	0.008562	-0.004370	-5.546	5.23E-07	162.200	0.013401
1306	1.270	0.008562	-0.004370	-5.546	5.23E-07	155.157	0.007852
1307	0	0.009603	-0.013885	-15.754	6.81E-07	154.994	0.017136
1307	1.270	0.009603	-0.013885	-15.754	6.81E-07	134.987	-0.000497
1308	0	0.007931	-0.020971	-25.633	7.34E-07	134.600	0.017181
1308	1.270	0.007931	-0.020971	-25.633	7.34E-07	102.048	-0.009450

1309	0	0.000569	-0.021508	-35.046	2.32E-07	101.461	0.011843
1309	1.270	0.000569	-0.021508	-35.046	2.32E-07	56.955	-0.015471
1310	0	-0.013829	-0.011905	-44.030	-3.19E-06	56.224	0.001637
1310	1.270	-0.013829	-0.011905	-44.030	-3.19E-06	0.307481	-0.013481
1401	0	0.002076	0.028854	50.287	-1.056	0.434227	-0.023996
1401	1.270	0.002076	0.028854	50.287	-1.056	64.297	0.012648
1402	0	0.002051	0.030569	39.215	-1.108	64.710	-0.017535
1402	1.270	0.002051	0.030569	39.215	-1.108	114.512	0.021285
1403	0	-0.001879	0.022333	28.083	-0.919995	114.871	-0.005904
1403	1.270	-0.001879	0.022333	28.083	-0.919995	150.536	0.022458
1404	0	-0.005887	0.014113	16.939	-0.644030	150.819	0.002007
1404	1.270	-0.005887	0.014113	16.939	-0.644030	172.331	0.019930
1405	0	-0.007978	0.007226	5.772	-0.325648	172.525	0.007568
1405	1.270	-0.007978	0.007226	5.772	-0.325648	179.856	0.016745
1406	0	-0.007782	0.000833	-5.449	0.010598	179.961	0.013135
1406	1.270	-0.007782	0.000833	-5.449	0.010598	173.041	0.014193
1407	0	-0.005763	-0.006832	-16.770	0.346686	173.064	0.020438
1407	1.270	-0.005763	-0.006832	-16.770	0.346686	151.767	0.011762
1408	0	-0.003395	-0.020019	-28.244	0.674582	151.723	0.030123
1408	1.270	-0.003395	-0.020019	-28.244	0.674582	115.855	0.004700
1409	0	-0.004417	-0.044316	-39.879	1.017	115.765	0.038013
1409	1.270	-0.004417	-0.044316	-39.879	1.017	65.121	-0.018267
1410	0	-0.015779	-0.073143	-51.483	1.485	65.003	0.028563
1410	1.270	-0.015779	-0.073143	-51.483	1.485	-0.377482	-0.064325
1501	0	-0.011984	-0.039748	66.206	-0.861255	-0.835381	-0.018104
1501	1.270	-0.011984	-0.039748	56.046	-0.861255	76.791	-0.068582
1502	0	-0.025950	-0.043814	52.263	-0.942860	76.001	-0.087414
1502	1.270	-0.025950	-0.043814	42.104	-0.942860	135.921	-0.143056
1503	0	-0.035895	-0.032203	38.600	-0.807921	135.240	-0.155177
1503	1.270	-0.035895	-0.032203	28.441	-0.807921	177.809	-0.196073
1504	0	-0.042687	-0.017993	25.092	-0.591790	177.285	-0.203841
1504	1.270	-0.042687	-0.017993	14.933	-0.591790	202.700	-0.226691
1505	0	-0.046953	-0.004407	11.686	-0.342910	202.362	-0.231477
1505	1.270	-0.046953	-0.004407	1.527	-0.342910	210.752	-0.237074
1506	0	-0.048626	0.008537	-1.659	-0.091757	210.613	-0.238922
1506	1.270	-0.048626	0.008537	-11.819	-0.091757	202.055	-0.228080
1507	0	-0.047069	0.021114	-14.981	0.131391	202.111	-0.226249
1507	1.270	-0.047069	0.021114	-25.141	0.131391	176.635	-0.199435
1508	0	-0.040708	0.032983	-28.316	0.280017	176.870	-0.191981
1508	1.270	-0.040708	0.032983	-38.476	0.280017	134.459	-0.150095
1509	0	-0.026323	0.039768	-41.720	0.242206	134.839	-0.132488
1509	1.270	-0.026323	0.039768	-51.880	0.242206	75.406	-0.081986
1510	0	0.000109	0.021567	-55.371	-0.335487	75.884	-0.047084
1510	1.270	0.000109	0.021567	-65.531	-0.335487	-0.885576	-0.019695
2101	0	-0.098322	-0.158478	71.422	-0.015572	-1.306	0.104662
2101	1.390	-0.098322	-0.158478	60.302	-0.015572	90.238	-0.115613
2102	0	-0.116493	-0.082111	56.484	0.547660	89.489	-0.089801
2102	1.390	-0.116493	-0.082111	45.364	0.547660	160.271	-0.203931
2103	0	-0.128576	-0.044592	41.831	0.553597	159.645	-0.187015
2103	1.390	-0.128576	-0.044592	30.711	0.553597	210.059	-0.248996
2104	0	-0.132388	-0.023976	27.286	0.383028	209.607	-0.243590
2104	1.390	-0.132388	-0.023976	16.166	0.383028	239.804	-0.276916
2105	0	-0.134043	-0.009119	12.791	0.148037	239.561	-0.274636
2105	1.390	-0.134043	-0.009119	1.671	0.148037	249.612	-0.287311
2106	0	-0.138187	0.003381	-1.685	-0.103597	249.596	-0.282447
2106	1.390	-0.138187	0.003381	-12.805	-0.103597	239.526	-0.277747
2107	0	-0.147432	0.015122	-16.169	-0.335943	239.736	-0.267233
2107	1.390	-0.147432	0.015122	-27.288	-0.335943	209.535	-0.246214
2108	0	-0.162935	0.025454	-30.694	-0.500788	209.952	-0.228161
2108	1.390	-0.162935	0.025454	-41.814	-0.500788	159.561	-0.192782
2109	0	-0.183803	0.024092	-45.312	-0.483243	160.151	-0.166492
2109	1.390	-0.183803	0.024092	-56.431	-0.483243	89.442	-0.133006
2110	0	-0.197567	-0.008522	-60.202	0.111031	90.150	-0.114021
2110	1.390	-0.197567	-0.008522	-71.322	0.111031	-1.255	-0.125867
2201	0	-0.220364	-0.025123	57.420	1.769	-0.443030	0.041236
2201	1.390	-0.220364	-0.025123	57.420	1.769	79.367	0.006317
2202	0	-0.198180	-0.019934	44.467	1.278	79.615	0.019749
2202	1.390	-0.198180	-0.019934	44.467	1.278	141.422	-0.007957
2203	0	-0.181962	-0.003178	31.550	0.920385	141.638	0.001373
2203	1.390	-0.181962	-0.003178	31.550	0.920385	185.491	-0.003044
2204	0	-0.173771	0.004326	18.639	0.569942	185.657	-0.002261
2204	1.390	-0.173771	0.004326	18.839	0.569942	211.842	0.003752
2205	0	-0.169902	0.000817	6.284	0.204339	211.937	0.004131
2205	1.390	-0.169902	0.000817	6.284	0.204339	220.671	0.005267
2206	0	-0.168101	-0.009202	-6.227	-0.168643	220.682	0.013322
2206	1.390	-0.168101	-0.009202	-6.227	-0.168643	212.027	0.000532
2207	0	-0.166868	-0.023033	-18.799	-0.535725	211.957	0.020823
2207	1.390	-0.166868	-0.023033	-18.799	-0.535725	185.827	-0.011192

2208	0	-0.163927	-0.037341	-31.544	-0.889612	185.689	0.020760
2208	1.390	-0.163927	-0.037341	-31.544	-0.889612	141.844	-0.031143
2209	0	-0.154907	-0.035603	-44.529	-1.255	141.660	0.002742
2209	1.390	-0.154907	-0.035603	-44.529	-1.255	79.767	-0.046744
2210	0	-0.142323	0.019400	-57.581	-1.767	79.559	-0.037152
2210	1.390	-0.142323	0.019400	-57.581	-1.767	-0.475580	-0.010187
2301	0	-0.227052	0.019178	50.128	-2.20E-06	0.411222	-0.024161
2301	1.390	-0.227052	0.019178	50.128	-2.20E-06	70.086	0.002496
2302	0	-0.214379	0.026386	39.981	1.16E-06	71.100	-0.020131
2302	1.390	-0.214379	0.026386	39.981	1.16E-06	126.672	0.016545
2303	0	-0.196766	0.023576	29.188	1.59E-06	127.502	-0.012141
2303	1.390	-0.196766	0.023576	29.188	1.59E-06	168.071	0.020628
2304	0	-0.184935	0.015049	17.767	1.53E-06	168.653	-0.002563
2304	1.390	-0.184935	0.015049	17.767	1.53E-06	193.349	0.018354
2305	0	-0.178568	0.004864	5.942	1.40E-06	193.650	0.006059
2305	1.390	-0.178568	0.004864	5.942	1.40E-06	201.908	0.012819
2306	0	-0.174249	-0.005524	-6.021	1.27E-06	201.918	0.013242
2306	1.390	-0.174249	-0.005524	-6.021	1.27E-06	193.549	0.005564
2307	0	-0.169741	-0.015759	-17.836	1.16E-06	193.267	0.018682
2307	1.390	-0.169741	-0.015759	-17.836	1.16E-06	168.476	-0.003222
2308	0	-0.165858	-0.024158	-29.225	1.07E-06	167.908	0.020662
2308	1.390	-0.165858	-0.024158	-29.225	1.07E-06	127.287	-0.012917
2309	0	-0.168532	-0.025894	-39.955	8.87E-07	126.463	0.016141
2309	1.390	-0.168532	-0.025894	-39.955	8.87E-07	70.928	-0.019850
2310	0	-0.187461	-0.015526	-49.998	-1.32E-07	69.916	0.003198
2310	1.390	-0.187461	-0.015526	-49.998	-1.32E-07	0.420995	-0.018382
2401	0	-0.256579	0.077030	57.420	-1.769	-0.443503	-0.103417
2401	1.390	-0.256579	0.077030	57.420	-1.769	79.368	0.003650
2402	0	-0.223410	0.080675	44.467	-1.278	79.615	-0.064896
2402	1.390	-0.223410	0.080675	44.467	-1.278	141.422	0.047237
2403	0	-0.208670	0.046793	31.549	-0.920382	141.639	-0.019203
2403	1.390	-0.208670	0.046793	31.549	-0.920382	185.490	0.045837
2404	0	-0.205830	0.020380	18.841	-0.569939	185.656	0.003355
2404	1.390	-0.205830	0.020380	18.841	-0.569939	211.844	0.031682
2405	0	-0.205434	0.006893	6.282	-0.204337	211.938	0.010171
2405	1.390	-0.205434	0.006893	6.282	-0.204337	220.670	0.019752
2406	0	-0.203459	0.000561	-6.227	0.168646	220.682	0.012338
2406	1.390	-0.203459	0.000561	-6.227	0.168646	212.027	0.013118
2407	0	-0.198436	-0.002558	-18.797	0.535727	211.955	0.015249
2407	1.390	-0.198436	-0.002558	-18.797	0.535727	185.828	0.011694
2408	0	-0.190004	-0.007184	-31.545	0.889614	185.689	0.022810
2408	1.390	-0.190004	-0.007184	-31.545	0.889614	141.843	0.012825
2409	0	-0.179966	-0.026416	-44.529	1.255	141.660	0.037768
2409	1.390	-0.179966	-0.026416	-44.529	1.255	79.768	0.001051
2410	0	-0.179762	-0.073053	-57.581	1.767	79.559	0.049471
2410	1.390	-0.179762	-0.073053	-57.581	1.767	-0.475741	-0.052068
2501	0	-0.103748	0.086486	71.422	0.015574	-1.307	-0.181159
2501	1.390	-0.103748	0.086486	60.302	0.015574	90.238	-0.060948
2502	0	-0.153602	-0.005925	56.483	-0.547660	89.490	-0.129493
2502	1.390	-0.153602	-0.005925	45.364	-0.547660	160.270	-0.137728
2503	0	-0.190090	-0.023505	41.830	-0.553596	159.645	-0.184511
2503	1.390	-0.190090	-0.023505	30.711	-0.553596	210.059	-0.217182
2504	0	-0.209140	-0.016685	27.285	-0.383027	209.607	-0.240101
2504	1.390	-0.209140	-0.016685	16.166	-0.383027	239.804	-0.263292
2505	0	-0.218118	-0.004364	12.792	-0.148036	239.560	-0.273817
2505	1.390	-0.218118	-0.004364	1.673	-0.148036	249.613	-0.279882
2506	0	-0.222068	0.009877	-1.685	0.103599	249.596	-0.284524
2506	1.390	-0.222068	0.009877	-12.805	0.103599	239.526	-0.270796
2507	0	-0.223588	0.025321	-16.171	0.335944	239.738	-0.272599
2507	1.390	-0.223588	0.025321	-27.290	0.335944	209.533	-0.237404
2508	0	-0.223341	0.042322	-30.695	0.500790	209.952	-0.237325
2508	1.390	-0.223341	0.042322	-41.814	0.500790	159.561	-0.178500
2509	0	-0.218857	0.062913	-45.310	0.483246	160.150	-0.173711
2509	1.390	-0.218857	0.062913	-56.430	0.483246	89.443	-0.086265
2510	0	-0.198951	0.076793	-60.202	-0.111027	90.150	-0.059908
2510	1.390	-0.198951	0.076793	-71.321	-0.111027	-1.255	0.046830
3101	0	-0.408697	-0.214997	82.761	0.343839	-2.037	0.173476
3101	1.640	-0.408697	-0.214997	69.641	0.343839	122.927	-0.179104
3102	0	-0.451093	-0.099002	65.402	0.864603	121.782	-0.119564
3102	1.640	-0.451093	-0.099002	52.283	0.864603	218.280	-0.281921
3103	0	-0.473424	-0.052297	48.418	0.779158	217.323	-0.251692
3103	1.640	-0.473424	-0.052297	35.299	0.779158	285.968	-0.337455
3104	0	-0.478171	-0.027373	31.606	0.513229	285.286	-0.330830
3104	1.640	-0.478171	-0.027373	18.487	0.513229	326.360	-0.375720
3105	0	-0.477607	-0.008580	14.898	0.177748	326.005	-0.375935
3105	1.640	-0.477607	-0.008580	1.779	0.177748	339.680	-0.390005
3106	0	-0.477607	0.008579	-1.779	-0.177747	339.680	-0.390005
3106	1.640	-0.477607	0.008579	-14.898	-0.177747	326.006	-0.375935
3107	0	-0.478171	0.027374	-18.487	-0.513227	326.362	-0.375721

3107	1.640	-0.478171	0.027374	-31.607	-0.513227	285.286	-0.330830
3108	0	-0.473424	0.052295	-35.297	-0.779157	285.968	-0.337454
3108	1.640	-0.473424	0.052295	-48.417	-0.779157	217.325	-0.251694
3109	0	-0.451093	0.099003	-52.284	-0.864602	218.281	-0.281923
3109	1.640	-0.451093	0.099003	-65.403	-0.864602	121.782	-0.119565
3110	0	-0.408697	0.214995	-69.641	-0.343843	122.928	-0.179105
3110	1.640	-0.408697	0.214995	-82.760	-0.343843	-2.036	0.173473
3201	0	-0.703696	-0.035841	67.819	2.084	-0.686398	0.064678
3201	1.640	-0.703696	-0.035841	67.819	2.084	110.532	0.005901
3202	0	-0.653837	-0.033139	52.422	1.524	110.972	0.037631
3202	1.640	-0.653837	-0.033139	52.422	1.524	196.942	-0.016715
3203	0	-0.625996	-0.004639	37.171	1.104	197.332	0.003317
3203	1.640	-0.625996	-0.004639	37.171	1.104	258.290	-0.004290
3204	0	-0.613946	0.006685	22.197	0.676765	258.586	-0.004775
3204	1.640	-0.613946	0.006685	22.197	0.676765	294.987	0.006189
3205	0	-0.609299	0.003632	7.381	0.228228	295.147	0.000656
3205	1.640	-0.609299	0.003632	7.381	0.228228	307.251	0.006613
3206	0	-0.609299	-0.003632	-7.381	-0.228225	307.251	0.006613
3206	1.640	-0.609299	-0.003632	-7.381	-0.228225	295.147	0.000656
3207	0	-0.613945	-0.006685	-22.194	-0.676763	294.985	0.006189
3207	1.640	-0.613945	-0.006685	-22.194	-0.676763	258.588	-0.004775
3208	0	-0.625996	0.004639	-37.173	-1.104	258.292	-0.004290
3208	1.640	-0.625996	0.004639	-37.173	-1.104	197.331	0.003317
3209	0	-0.653837	0.033139	-52.422	-1.524	196.942	-0.016715
3209	1.640	-0.653837	0.033139	-52.422	-1.524	110.973	0.037631
3210	0	-0.703695	0.035843	-67.819	-2.084	110.533	0.005900
3210	1.640	-0.703695	0.035843	-67.819	-2.084	-0.686095	0.064680
3301	0	-0.706010	0.025461	60.554	-5.36E-07	0.416046	-0.028164
3301	1.640	-0.706010	0.025461	60.554	-5.36E-07	99.720	0.013590
3302	0	-0.683253	0.033994	48.601	1.02E-06	101.151	-0.027651
3302	1.640	-0.683253	0.033994	48.601	1.02E-06	180.854	0.028096
3303	0	-0.652409	0.028780	35.604	9.24E-07	182.002	-0.018344
3303	1.640	-0.652409	0.028780	35.604	9.24E-07	240.389	0.028853
3304	0	-0.635731	0.017764	21.714	5.76E-07	241.173	-0.006486
3304	1.640	-0.635731	0.017764	21.714	5.76E-07	276.782	0.022646
3305	0	-0.630052	0.005888	7.293	1.93E-07	277.177	0.004281
3305	1.640	-0.630052	0.005888	7.293	1.93E-07	289.137	0.013938
3306	0	-0.630052	-0.005888	-7.293	-1.93E-07	289.137	0.013937
3306	1.640	-0.630052	-0.005888	-7.293	-1.93E-07	277.177	0.004281
3307	0	-0.635731	-0.017764	-21.713	-5.76E-07	276.782	0.022646
3307	1.640	-0.635731	-0.017764	-21.713	-5.76E-07	241.174	-0.006486
3308	0	-0.652409	-0.028780	-35.604	-9.24E-07	240.390	0.028853
3308	1.640	-0.652409	-0.028780	-35.604	-9.24E-07	182.002	-0.018344
3309	0	-0.683253	-0.033994	-48.601	-1.02E-06	180.855	0.028096
3309	1.640	-0.683253	-0.033994	-48.601	-1.02E-06	101.152	-0.027651
3310	0	-0.706011	-0.025461	-60.554	5.36E-07	99.721	0.013590
3310	1.640	-0.706011	-0.025461	-60.554	5.36E-07	0.416743	-0.028164
3401	0	-0.742887	0.103744	67.820	-2.084	-0.687641	-0.140675
3401	1.640	-0.742887	0.103744	67.820	-2.084	110.533	0.029459
3402	0	-0.683021	0.104266	52.422	-1.524	110.972	-0.094115
3402	1.640	-0.683021	0.104266	52.422	-1.524	196.941	0.076874
3403	0	-0.664180	0.053989	37.171	-1.104	197.332	-0.029495
3403	1.640	-0.664180	0.053989	37.171	-1.104	258.290	0.059043
3404	0	-0.663099	0.021951	22.195	-0.676765	258.587	-0.000819
3404	1.640	-0.663099	0.021951	22.195	-0.676765	294.986	0.035179
3405	0	-0.664582	0.005841	7.381	-0.228228	295.147	0.010322
3405	1.640	-0.664582	0.005841	7.381	-0.228228	307.251	0.019900
3406	0	-0.664582	-0.005841	-7.381	0.228225	307.252	0.019900
3406	1.640	-0.664582	-0.005841	-7.381	0.228225	295.147	0.010322
3407	0	-0.663099	-0.021951	-22.195	0.676763	294.986	0.035179
3407	1.640	-0.663099	-0.021951	-22.195	0.676763	258.588	-0.000819
3408	0	-0.664180	-0.053989	-37.171	1.104	258.291	0.059044
3408	1.640	-0.664180	-0.053989	-37.171	1.104	197.332	-0.029495
3409	0	-0.683021	-0.104266	-52.422	1.524	196.942	0.076874
3409	1.640	-0.683021	-0.104266	-52.422	1.524	110.973	-0.094115
3410	0	-0.742886	-0.103746	-67.820	2.084	110.533	0.029460
3410	1.640	-0.742886	-0.103746	-67.820	2.084	-0.686596	-0.140677
3501	0	-0.410666	0.121633	82.761	-0.343841	-2.038	-0.256135
3501	1.640	-0.410666	0.121633	69.642	-0.343841	122.928	-0.056665
3502	0	-0.500753	-0.006119	65.402	-0.864604	121.782	-0.179485
3502	1.640	-0.500753	-0.006119	52.283	-0.864604	218.280	-0.189519
3503	0	-0.555948	-0.025832	48.417	-0.779159	217.324	-0.258847
3503	1.640	-0.555948	-0.025832	35.297	-0.779159	285.967	-0.301210
3504	0	-0.581011	-0.019026	31.608	-0.513229	285.284	-0.330828
3504	1.640	-0.581011	-0.019026	18.489	-0.513229	326.362	-0.362029
3505	0	-0.590416	-0.006781	14.896	-0.177749	326.007	-0.373021
3505	1.640	-0.590416	-0.006781	1.777	-0.177749	339.678	-0.384142
3506	0	-0.590416	0.006781	-1.777	0.177747	339.678	-0.384142
3506	1.640	-0.590416	0.006781	-14.896	0.177747	326.007	-0.373022

3507	0	-0.581011	0.019025	-18.488	0.513227	326.362	-0.362029
3507	1.640	-0.581011	0.019025	-31.607	0.513227	285.286	-0.330829
3508	0	-0.555948	0.025835	-35.300	0.779158	285.970	-0.301213
3508	1.640	-0.555948	0.025835	-48.419	0.779158	217.323	-0.258846
3509	0	-0.500753	0.006118	-52.282	0.864604	218.280	-0.189520
3509	1.640	-0.500753	0.006118	-65.401	0.864604	121.784	-0.179487
3510	0	-0.410667	-0.121632	-69.642	0.343845	122.929	-0.056667
3510	1.640	-0.410667	-0.121632	-82.761	0.343845	-2.036	-0.256135
4101	0	-0.197568	0.008522	71.321	-0.111034	-1.257	-0.125864
4101	1.390	-0.197568	0.008522	60.202	-0.111034	90.148	-0.114020
4102	0	-0.183804	-0.024092	56.431	0.483244	89.441	-0.133005
4102	1.390	-0.183804	-0.024092	45.312	0.483244	160.149	-0.166492
4103	0	-0.162936	-0.025454	41.814	0.500789	159.560	-0.192781
4103	1.390	-0.162936	-0.025454	30.694	0.500789	209.951	-0.228160
4104	0	-0.147433	-0.015123	27.289	0.335944	209.534	-0.246213
4104	1.390	-0.147433	-0.015123	16.169	0.335944	239.736	-0.267233
4105	0	-0.138188	-0.003381	12.805	0.103599	239.526	-0.277747
4105	1.390	-0.138188	-0.003381	1.685	0.103599	249.596	-0.282447
4106	0	-0.134044	0.009118	-1.671	-0.148036	249.612	-0.287311
4106	1.390	-0.134044	0.009118	-12.790	-0.148036	239.562	-0.274637
4107	0	-0.132389	0.023976	-16.166	-0.383027	239.805	-0.276917
4107	1.390	-0.132389	0.023976	-27.286	-0.383027	209.608	-0.243591
4108	0	-0.128577	0.044594	-30.712	-0.553597	210.061	-0.248998
4108	1.390	-0.128577	0.044594	-41.832	-0.553597	159.645	-0.187015
4109	0	-0.116494	0.082110	-45.363	-0.547661	160.272	-0.203931
4109	1.390	-0.116494	0.082110	-56.483	-0.547661	89.492	-0.089803
4110	0	-0.098323	0.158478	-60.301	0.015568	90.238	-0.115614
4110	1.390	-0.098323	0.158478	-71.421	0.015568	-1.305	0.104661
4201	0	-0.142325	-0.019398	57.582	1.767	-0.476081	-0.010190
4201	1.390	-0.142325	-0.019398	57.582	1.767	79.559	-0.037152
4202	0	-0.154909	0.035603	44.528	1.255	79.768	-0.046744
4202	1.390	-0.154909	0.035603	44.528	1.255	141.659	0.002742
4203	0	-0.163928	0.037341	31.544	0.889613	141.844	-0.031143
4203	1.390	-0.163928	0.037341	31.544	0.889613	185.689	0.020760
4204	0	-0.166869	0.023033	18.799	0.535727	185.827	-0.011192
4204	1.390	-0.166869	0.023033	18.799	0.535727	211.956	0.020823
4205	0	-0.168102	0.009202	6.227	0.168645	212.027	0.000532
4205	1.390	-0.168102	0.009202	6.227	0.168645	220.682	0.013322
4206	0	-0.169904	-0.000817	-6.282	-0.204337	220.670	0.005267
4206	1.390	-0.169904	-0.000817	-6.282	-0.204337	211.938	0.004131
4207	0	-0.173772	-0.004326	-18.840	-0.569940	211.843	0.003752
4207	1.390	-0.173772	-0.004326	-18.840	-0.569940	185.656	-0.002261
4208	0	-0.181963	0.003178	-31.549	-0.920383	185.490	-0.003044
4208	1.390	-0.181963	0.003178	-31.549	-0.920383	141.639	0.001372
4209	0	-0.198181	0.019934	-44.467	-1.278	141.422	-0.007957
4209	1.390	-0.198181	0.019934	-44.467	-1.278	79.615	0.019750
4210	0	-0.220365	0.025124	-57.421	-1.769	79.369	0.006317
4210	1.390	-0.220365	0.025124	-57.421	-1.769	-0.443188	0.041238
4301	0	-0.187462	0.015526	49.999	1.32E-07	0.420658	-0.018382
4301	1.390	-0.187462	0.015526	49.999	1.32E-07	69.916	0.003198
4302	0	-0.168533	0.025894	39.955	-8.87E-07	70.928	-0.019850
4302	1.390	-0.168533	0.025894	39.955	-8.87E-07	126.463	0.016141
4303	0	-0.165859	0.024158	29.225	-1.07E-06	127.286	-0.012917
4303	1.390	-0.165859	0.024158	29.225	-1.07E-06	167.908	0.020662
4304	0	-0.169743	0.015760	17.836	-1.16E-06	168.475	-0.003222
4304	1.390	-0.169743	0.015760	17.836	-1.16E-06	193.267	0.018683
4305	0	-0.174251	0.005524	6.019	-1.27E-06	193.550	0.005564
4305	1.390	-0.174251	0.005524	6.019	-1.27E-06	201.917	0.013242
4306	0	-0.178569	-0.004864	-5.941	-1.40E-06	201.908	0.012819
4306	1.390	-0.178569	-0.004864	-5.941	-1.40E-06	193.650	0.006059
4307	0	-0.184937	-0.015049	-17.766	-1.53E-06	193.348	0.018354
4307	1.390	-0.184937	-0.015049	-17.766	-1.53E-06	168.654	-0.002563
4308	0	-0.196768	-0.023576	-29.189	-1.59E-06	168.072	0.020628
4308	1.390	-0.196768	-0.023576	-29.189	-1.59E-06	127.501	-0.012141
4309	0	-0.214381	-0.026386	-39.981	-1.16E-06	126.672	0.016545
4309	1.390	-0.214381	-0.026386	-39.981	-1.16E-06	71.100	-0.020131
4310	0	-0.227053	-0.019178	-50.128	2.20E-06	70.087	0.002496
4310	1.390	-0.227053	-0.019178	-50.128	2.20E-06	0.411583	-0.024161
4401	0	-0.179764	0.073051	57.581	-1.767	-0.475777	-0.052066
4401	1.390	-0.179764	0.073051	57.581	-1.767	79.559	0.049471
4402	0	-0.179967	0.026416	44.529	-1.255	79.767	0.001051
4402	1.390	-0.179967	0.026416	44.529	-1.255	141.660	0.037767
4403	0	-0.190005	0.007184	31.545	-0.889615	141.844	0.012825
4403	1.390	-0.190005	0.007184	31.545	-0.889615	185.689	0.022811
4404	0	-0.198437	0.002558	18.799	-0.535729	185.827	0.011694
4404	1.390	-0.198437	0.002558	18.799	-0.535729	211.957	0.015250
4405	0	-0.203460	-0.000561	6.227	-0.168647	212.027	0.013118
4405	1.390	-0.203460	-0.000561	6.227	-0.168647	220.682	0.012338

4406	0	-0.205435	-0.006893	-6.283	0.204335	220.670	0.019752
4406	1.390	-0.205435	-0.006893	-6.283	0.204335	211.938	0.010171
4407	0	-0.205831	-0.020379	-18.840	0.569938	211.843	0.031681
4407	1.390	-0.205831	-0.020379	-18.840	0.569938	185.656	0.003355
4408	0	-0.208671	-0.046793	-31.549	0.920381	185.490	0.045838
4408	1.390	-0.208671	-0.046793	-31.549	0.920381	141.639	-0.019203
4409	0	-0.223411	-0.080675	-44.467	1.278	141.422	0.047237
4409	1.390	-0.223411	-0.080675	-44.467	1.278	79.615	-0.064897
4410	0	-0.256580	-0.077031	-57.421	1.769	79.368	0.003650
4410	1.390	-0.256580	-0.077031	-57.421	1.769	-0.443097	-0.103418
4501	0	-0.198952	-0.076792	71.322	0.111029	-1.257	0.046829
4501	1.390	-0.198952	-0.076792	60.202	0.111029	90.148	-0.059907
4502	0	-0.218858	-0.062914	56.431	-0.483246	89.441	-0.086263
4502	1.390	-0.218858	-0.062914	45.311	-0.483246	160.149	-0.173710
4503	0	-0.223342	-0.042322	41.814	-0.500790	159.560	-0.178499
4503	1.390	-0.223342	-0.042322	30.695	-0.500790	209.951	-0.237325
4504	0	-0.223589	-0.025319	27.289	-0.335945	209.533	-0.237405
4504	1.390	-0.223589	-0.025319	16.170	-0.335945	239.736	-0.272597
4505	0	-0.222069	-0.009875	12.803	-0.103600	239.527	-0.270797
4505	1.390	-0.222069	-0.009875	1.684	-0.103600	249.595	-0.284523
4506	0	-0.218119	0.004361	-1.671	0.148034	249.612	-0.279881
4506	1.390	-0.218119	0.004361	-12.790	0.148034	239.562	-0.273819
4507	0	-0.209141	0.016685	-16.166	0.383026	239.805	-0.263293
4507	1.390	-0.209141	0.016685	-27.285	0.383026	209.608	-0.240101
4508	0	-0.190091	0.023506	-30.712	0.553596	210.061	-0.217184
4508	1.390	-0.190091	0.023506	-41.832	0.553596	159.645	-0.184511
4509	0	-0.153603	0.005924	-45.363	0.547660	160.272	-0.137729
4509	1.390	-0.153603	0.005924	-56.482	0.547660	89.492	-0.129495
4510	0	-0.103749	-0.086486	-60.301	-0.015570	90.238	-0.060949
4510	1.390	-0.103749	-0.086486	-71.421	-0.015570	-1.305	-0.181159
5101	0	0.010072	-0.036106	65.530	-0.335494	-0.885432	-0.056412
5101	1.270	0.010072	-0.036106	55.371	-0.335494	75.884	-0.102265
5102	0	0.010463	-0.037467	51.880	0.242200	75.406	-0.103248
5102	1.270	0.010463	-0.037467	41.720	0.242200	134.839	-0.150830
5103	0	0.017812	-0.029115	38.475	0.280011	134.459	-0.160119
5103	1.270	0.017812	-0.029115	28.316	0.280011	176.870	-0.197093
5104	0	0.025577	-0.016107	25.140	0.131387	176.636	-0.206084
5104	1.270	0.025577	-0.016107	14.980	0.131387	202.111	-0.226539
5105	0	0.031534	-0.003189	11.820	-0.091759	202.054	-0.233227
5105	1.270	0.031534	-0.003189	1.661	-0.091759	210.614	-0.237276
5106	0	0.034693	0.009129	-1.528	-0.342911	210.752	-0.240832
5106	1.270	0.034693	0.009129	-11.688	-0.342911	202.361	-0.229238
5107	0	0.034666	0.021726	-14.932	-0.591788	202.699	-0.229255
5107	1.270	0.034666	0.021726	-25.092	-0.591788	177.285	-0.201665
5108	0	0.031257	0.035028	-28.440	-0.807917	177.808	-0.197755
5108	1.270	0.031257	0.035028	-38.600	-0.807917	135.240	-0.153271
5109	0	0.023866	0.045883	-42.105	-0.942855	135.922	-0.144060
5109	1.270	0.023866	0.045883	-52.265	-0.942855	75.999	-0.085791
5110	0	0.011693	0.041012	-56.046	-0.861249	76.791	-0.068972
5110	1.270	0.011693	0.041012	-66.206	-0.861249	-0.835824	-0.016889
5201	0	0.021553	-0.026526	51.482	1.485	-0.377574	0.010683
5201	1.270	0.021553	-0.026526	51.482	1.485	65.003	-0.023003
5202	0	0.021835	0.012260	39.878	1.017	65.121	-0.021082
5202	1.270	0.021835	0.012260	39.878	1.017	115.764	-0.005512
5203	0	0.020487	0.021953	28.244	0.674575	115.854	-0.018533
5203	1.270	0.020487	0.021953	28.244	0.674575	151.723	0.009347
5204	0	0.019779	0.017353	16.769	0.346681	151.767	-0.006975
5204	1.270	0.019779	0.017353	16.769	0.346681	173.063	0.015062
5205	0	0.018439	0.009036	5.448	0.010595	173.041	0.002991
5205	1.270	0.018439	0.009036	5.448	0.010595	179.960	0.014467
5206	0	0.015651	0.000353	-5.772	-0.325649	179.856	0.010393
5206	1.270	0.015651	0.000353	-5.772	-0.325649	172.525	0.010842
5207	0	0.011161	-0.008439	-16.939	-0.644028	172.331	0.016140
5207	1.270	0.011161	-0.008439	-16.939	-0.644028	150.819	0.005423
5208	0	0.005347	-0.018036	-28.083	-0.919991	150.536	0.020121
5208	1.270	0.005347	-0.018036	-28.083	-0.919991	114.871	-0.002784
5209	0	0.000122	-0.027406	-39.215	-1.108	114.512	0.020011
5209	1.270	0.000122	-0.027406	-39.215	-1.108	64.711	-0.014793
5210	0	-0.000756	-0.026994	-50.288	-1.056	64.297	0.012288
5210	1.270	-0.000756	-0.026994	-50.288	-1.056	0.434709	-0.021992
5301	0	-0.013828	0.011904	44.030	3.19E-06	0.307507	-0.013481
5301	1.270	-0.013828	0.011904	44.030	3.19E-06	56.223	0.001637
5302	0	0.000569	0.021508	35.045	-2.32E-07	56.955	-0.015471
5302	1.270	0.000569	0.021508	35.045	-2.32E-07	101.461	0.011843
5303	0	0.007932	0.020970	25.633	-7.34E-07	102.048	-0.009450
5303	1.270	0.007932	0.020970	25.633	-7.34E-07	134.600	0.017181
5304	0	0.009603	0.013885	15.753	-6.81E-07	134.988	-0.000496
5304	1.270	0.009603	0.013885	15.753	-6.81E-07	154.994	0.017136
5305	0	0.008562	0.004370	5.546	-5.23E-07	155.156	0.007852

5305	1.270	0.008562	0.004370	5.546	-5.23E-07	162.200	0.013401
5306	0	0.006714	-0.005814	-4.814	-3.57E-07	162.132	0.014696
5306	1.270	0.006714	-0.005814	-4.814	-3.57E-07	156.018	0.007314
5307	0	0.004875	-0.016320	-15.162	-2.07E-07	155.729	0.019767
5307	1.270	0.004875	-0.016320	-15.162	-2.07E-07	136.473	-0.000958
5308	0	0.003297	-0.026014	-25.350	-8.55E-08	135.984	0.021728
5308	1.270	0.003297	-0.026014	-25.350	-8.55E-08	103.791	-0.011308
5309	0	0.002038	-0.030875	-35.252	-3.98E-10	103.136	0.018181
5309	1.270	0.002038	-0.030875	-35.252	-3.98E-10	58.368	-0.021029
5310	0	0.001097	-0.024065	-44.718	3.30E-08	57.599	0.008377
5310	1.270	0.001097	-0.024065	-44.718	3.30E-08	0.809554	-0.022184
5401	0	-0.015779	0.073142	51.483	-1.485	-0.377603	-0.064324
5401	1.270	-0.015779	0.073142	51.483	-1.485	65.003	0.028563
5402	0	-0.004416	0.044316	39.879	-1.017	65.121	-0.018266
5402	1.270	-0.004416	0.044316	39.879	-1.017	115.765	0.038012
5403	0	-0.003395	0.020019	28.243	-0.674575	115.855	0.004700
5403	1.270	-0.003395	0.020019	28.243	-0.674575	151.723	0.030123
5404	0	-0.005762	0.006832	16.770	-0.346681	151.767	0.011762
5404	1.270	-0.005762	0.006832	16.770	-0.346681	173.063	0.020438
5405	0	-0.007781	-0.000833	5.449	-0.010595	173.041	0.014193
5405	1.270	-0.007781	-0.000833	5.449	-0.010595	179.960	0.013135
5406	0	-0.007978	-0.007226	-5.773	0.325649	179.856	0.016745
5406	1.270	-0.007978	-0.007226	-5.773	0.325649	172.525	0.007568
5407	0	-0.005886	-0.014113	-16.939	0.644027	172.331	0.019930
5407	1.270	-0.005886	-0.014113	-16.939	0.644027	150.819	0.002007
5408	0	-0.001879	-0.022333	-28.084	0.919991	150.536	0.022458
5408	1.270	-0.001879	-0.022333	-28.084	0.919991	114.871	-0.005904
5409	0	0.002051	-0.030569	-39.215	1.108	114.512	0.021285
5409	1.270	0.002051	-0.030569	-39.215	1.108	64.711	-0.017535
5410	0	0.002077	-0.028854	-50.288	1.056	64.297	0.012648
5410	1.270	0.002077	-0.028854	-50.288	1.056	0.434709	-0.023996
5501	0	0.000110	-0.021566	65.530	0.335494	-0.385208	-0.019696
5501	1.270	0.000110	-0.021566	55.370	0.335494	75.883	-0.047084
5502	0	-0.026323	-0.039768	51.680	-0.242200	75.405	-0.081985
5502	1.270	-0.026323	-0.039768	41.720	-0.242200	134.839	-0.132489
5503	0	-0.040707	-0.032981	38.474	-0.280010	134.460	-0.150096
5503	1.270	-0.040707	-0.032981	28.314	-0.280010	176.869	-0.191980
5504	0	-0.047069	-0.021115	25.141	-0.131386	176.635	-0.199434
5504	1.270	-0.047069	-0.021115	14.982	-0.131386	202.112	-0.226249
5505	0	-0.048626	-0.008538	11.820	0.091760	202.054	-0.228079
5505	1.270	-0.048626	-0.008538	1.660	0.091760	210.613	-0.238922
5506	0	-0.046952	0.004409	-1.529	0.342911	210.753	-0.237075
5506	1.270	-0.046952	0.004409	-11.688	0.342911	202.360	-0.231475
5507	0	-0.042687	0.017992	-14.932	0.591788	202.699	-0.226690
5507	1.270	-0.042687	0.017992	-25.091	0.591788	177.285	-0.203841
5508	0	-0.035895	0.032203	-28.441	0.807917	177.809	-0.196073
5508	1.270	-0.035895	0.032203	-38.600	0.807917	135.239	-0.155177
5509	0	-0.025950	0.043816	-42.105	0.942854	135.922	-0.143056
5509	1.270	-0.025950	0.043816	-52.265	0.942854	75.999	-0.087413
5510	0	-0.011983	0.039748	-56.046	0.861249	76.791	-0.068582
5510	1.270	-0.011983	0.039748	-66.206	0.861249	-0.835916	-0.018104
11201	0	-72.310	0.144422	0.415344	0.154152	-0.367499	2.676
11201	0.825	-72.310	0.144422	0.415344	0.154152	-0.024854	2.795
11202	0	-78.686	0.143589	-0.576465	0.156064	0.509348	2.654
11202	0.825	-78.686	0.143589	-0.576465	0.156064	0.033783	2.772
11203	0	-0.444121	0.148453	-72.269	2.801	-0.000434	-0.154151
11203	0.300	-0.444121	0.148453	-72.269	2.801	-21.680	-0.109617
11204	0	-0.617959	-0.148462	-78.667	-2.778	-0.000472	-0.156064
11204	0.300	-0.617959	-0.148462	-78.667	-2.778	-23.600	-0.200601
11205	0	0.482539	-0.085252	2.400	0.023384	2.88E-05	0.055618
11205	0.600	0.482539	-0.085252	-2.400	0.023384	2.87E-05	0.004469
11208	0	-251.301	123.498	-0.542590	0.085311	3.771	-407.759
11208	4.500	-251.301	123.498	-0.542590	0.085311	1.330	147.960
11209	0	-251.301	-123.498	-0.537738	-0.099230	3.765	407.759
11209	4.500	-251.301	-123.498	-0.537738	-0.099230	1.345	-147.960
11210	0	-210.162	28.835	-0.353405	-0.036051	2.172	-31.491
11210	4.500	-210.162	28.835	-0.353405	-0.036051	0.582165	98.262
11211	0	-210.162	-28.835	-0.344539	0.027139	2.152	31.491
11211	4.500	-210.162	-28.835	-0.344539	0.027139	0.601564	-98.262
11259	0	-24.318	0.000918	0	0.004175	20.439	0.565161
11259	4.000	-24.318	0.000918	0	0.004175	20.439	0.568833
11260	0	8.125	0.459751	-339.166	-1.005	284.474	-0.061637
11260	2.000	8.125	0.459751	-339.166	-1.005	-393.832	0.857827
11261	0	8.125	-0.448442	339.166	1.013	-393.832	0.815310
11261	2.000	8.125	-0.448442	339.166	1.013	284.473	-0.081537
11270	0	-678.333	5.96E-05	-0.908188	-0.042518	2.018	0.000595
11270	0.200	-678.333	5.96E-05	-0.908188	-0.042518	1.836	0.000607
11271	0	-93.851	-0.087774	5.178	-0.359336	-4.448	1.713
11271	4.924	-93.851	-0.087774	5.178	-0.359336	21.051	1.281

.							
11272	0	-93.851	0.084363	5.178	0.350963	-4.448	-1.724
11272	4.924	-93.851	0.084363	5.178	0.350963	21.051	-1.309
.							
11273	0	-120.974	0.103903	-58.081	-0.354871	163.467	-0.861191
11273	6.021	-120.974	0.103903	-58.081	-0.354871	-186.215	-0.235636
.							
11274	0	-120.974	-0.106345	-58.081	0.353683	163.467	0.891095
11274	6.021	-120.974	-0.106345	-58.081	0.353683	-186.215	0.250839
.							
11281	0	-14.090	0.173839	-150.339	-1.877	5.571	-0.483665
11281	2.310	-14.090	0.173839	-150.339	-1.877	-341.646	-0.082172
.							
11282	0	-21.983	0.362471	-281.583	-4.018	-346.666	-0.313076
11282	0.301	-21.983	0.362471	-281.583	-4.018	-431.385	-0.204020
.							
11283	0	123.103	-0.179097	-31.133	-0.250744	-23.618	0.189181
11283	2.000	123.103	-0.179097	-31.133	-0.250744	-85.882	-0.168999
.							
11284	0	123.104	0.174286	31.133	0.256597	-85.882	-0.167996
11284	2.000	123.104	0.174286	31.133	0.256597	-23.618	0.180563
.							
11285	0	-21.983	-0.364270	281.585	4.016	-431.386	-0.226218
11285	0.301	-21.983	-0.364270	281.585	4.016	-346.666	-0.335815
.							
11286	0	-14.090	-0.173815	150.339	1.876	-341.646	-0.085344
11286	2.310	-14.090	-0.173815	150.339	1.876	5.571	-0.486780
.							
11301	0	-78.551	0.159369	0.570966	0.322843	-0.501189	2.822
11301	0.825	-78.551	0.159369	0.570966	0.322843	-0.030160	2.954
.							
11302	0	-90.778	0.161001	-0.926873	0.328573	0.815286	2.809
11302	0.825	-90.778	0.161001	-0.926873	0.328573	0.050647	2.942
.							
11303	0	-0.606065	0.166847	-78.502	2.960	-0.000471	-0.322842
11303	0.300	-0.606065	0.166847	-78.502	2.960	-23.550	-0.272790
.							
11304	0	-0.983520	-0.166864	-90.731	-2.948	-0.000544	-0.328573
11304	0.300	-0.983520	-0.166864	-90.731	-2.948	-27.219	-0.378630
.							
11305	0	0.474278	-0.161721	2.400	0.012709	2.88E-05	0.096882
11305	0.600	0.474278	-0.161721	-2.400	0.012709	2.87E-05	-0.000148
.							
11308	0	-285.738	139.158	-1.120	0.131780	6.814	-459.251
11308	4.500	-285.738	139.158	-1.120	0.131780	1.772	166.937
.							
11309	0	-285.737	-139.159	-1.118	-0.138302	6.812	459.251
11309	4.500	-285.737	-139.159	-1.118	-0.138302	1.780	-166.938
.							
11310	0	-239.937	32.800	-0.779250	-0.055585	3.240	-35.809
11310	4.500	-239.937	32.800	-0.779250	-0.055585	-0.266008	111.785
.							
11311	0	-239.934	-32.800	-0.775047	0.051362	3.231	35.809
11311	4.500	-239.934	-32.800	-0.775047	0.051362	-0.256806	-111.786
.							
11359	0	-26.482	0.000450	0.000203	0.001981	22.994	0.900392
11359	4.000	-26.482	0.000450	0.000203	0.001981	22.994	0.902193
.							
11360	0	9.214	1.036	-387.021	0.180307	324.523	-0.439163
11360	2.000	9.214	1.036	-387.021	0.180307	-449.487	1.632
.							
11361	0	9.213	-1.030	387.017	-0.176123	-449.478	1.612
11361	2.000	9.213	-1.030	387.017	-0.176123	324.524	-0.448598
.							
11370	0	-774.037	-0.000907	-2.066	-0.020155	-0.356438	-0.009185
11370	0.200	-774.037	-0.000907	-2.066	-0.020155	-0.769600	-0.009367
.							
11371	0	-107.929	-0.087201	6.535	-0.580706	-6.750	2.688
11371	4.924	-107.929	-0.087201	6.535	-0.580706	25.427	2.259
.							
11372	0	-107.930	0.085535	6.534	0.576694	-6.749	-2.693
11372	4.924	-107.930	0.085535	6.534	0.576694	25.427	-2.272
.							
11373	0	-137.843	0.255219	-66.315	-0.427354	186.510	-1.265
11373	6.021	-137.843	0.255219	-66.315	-0.427354	-212.743	0.271796
.							
11374	0	-137.844	-0.256375	-66.315	0.426793	186.511	1.279
11374	6.021	-137.844	-0.256375	-66.315	0.426793	-212.743	-0.264583
.							
11381	0	-15.801	0.377455	-168.590	-3.593	5.901	-0.983760
11381	2.310	-15.801	0.377455	-168.590	-3.593	-383.469	-0.112002
.							
11382	0	-24.964	0.815505	-319.824	-7.266	-389.590	-0.595397
11382	0.301	-24.964	0.815505	-319.824	-7.266	-485.815	-0.350037
.							
11383	0	138.715	-0.304670	-35.051	-0.456734	-26.553	0.338207
11383	2.000	138.715	-0.304670	-35.051	-0.456734	-96.653	-0.271109
.							
11384	0	138.715	0.302399	35.052	0.459498	-96.653	-0.270424
11384	2.000	138.715	0.302399	35.052	0.459498	-26.552	0.334350
.							
11385	0	-24.965	-0.816018	319.820	7.265	-485.813	-0.360307
11385	0.301	-24.965	-0.816018	319.820	7.265	-389.590	-0.605821
.							
11386	0	-15.802	-0.377449	168.590	3.593	-383.468	-0.112265
11386	2.310	-15.802	-0.377449	168.590	3.593	5.901	-0.984007
.							
11401	0	-90.778	0.159620	0.974507	-0.328568	-0.834934	2.810
11401	0.825	-90.778	0.159620	0.974507	-0.328568	-0.030999	2.941
.							
11402	0	-78.551	0.166348	-0.587197	-0.322840	0.509803	2.819
11402	0.825	-78.551	0.166348	-0.587197	-0.322840	0.025385	2.957
.							
11403	0	-0.983520	0.166864	-90.726	2.948	-0.000544	0.328569
11403	0.300	-0.983520	0.166864	-90.726	2.948	-27.217	0.378626
.							
11404	0	-0.606066	-0.166847	-78.507	-2.960	-0.000471	0.322839
11404	0.300	-0.606066	-0.166847	-78.507	-2.960	-23.552	0.272787
.							
11405	0	0.474277	0.161706	2.400	-0.012709	2.88E-05	-0.000142
11405	0.600	0.474277	0.161706	-2.400	-0.012709	2.87E-05	0.096879
.							
11408	0	-285.738	139.158	1.120	-0.131777	-6.814	-459.251
11408	4.500	-285.738	139.158	1.120	-0.131777	-1.772	166.937
.							
11409	0	-285.737	-139.159	1.118	0.138299	-6.811	459.251
11409	4.500	-285.737	-139.159	1.118	0.138299	-1.780	-166.938
.							

11410	0	-239.937	32.800	0.779248	0.055584	-3.240	-35.809
11410	4.500	-239.937	32.800	0.779248	0.055584	0.266059	111.785
.							
11411	0	-239.934	-32.800	0.775044	-0.051361	-3.231	35.809
11411	4.500	-239.934	-32.800	0.775044	-0.051361	0.256857	-111.786
.							
11459	0	-26.482	-0.000450	0.000220	-0.001981	22.994	-0.900376
11459	4.000	-26.482	-0.000450	0.000220	-0.001981	22.994	-0.902177
.							
11460	0	9.214	-1.036	-387.021	-0.180387	324.523	0.439171
11460	2.000	9.214	-1.036	-387.021	-0.180387	-449.487	-1.632
.							
11461	0	9.213	1.030	387.017	0.176202	-449.478	-1.612
11461	2.000	9.213	1.030	387.017	0.176202	324.524	0.448606
.							
11470	0	-774.037	-0.000907	2.066	0.020155	0.356597	-0.009185
11470	0.200	-774.037	-0.000907	2.066	0.020155	0.769758	-0.009367
.							
11471	0	-107.929	0.087193	6.535	0.580698	-6.750	-2.688
11471	4.924	-107.929	0.087193	6.535	0.580698	25.427	-2.259
.							
11472	0	-107.930	-0.085527	6.534	-0.576686	-6.749	2.693
11472	4.924	-107.930	-0.085527	6.534	-0.576686	25.427	2.272
.							
11473	0	-137.843	-0.255219	-66.315	0.427341	186.510	1.265
11473	6.021	-137.843	-0.255219	-66.315	0.427341	-212.743	-0.271823
.							
11474	0	-137.844	0.256375	-66.315	-0.426780	186.511	-1.279
11474	6.021	-137.844	0.256375	-66.315	-0.426780	-212.743	0.264609
.							
11481	0	-15.801	-0.377454	-168.590	3.593	5.900	0.983747
11481	2.310	-15.801	-0.377454	-168.590	3.593	-383.468	0.111991
.							
11482	0	-24.964	-0.815738	-319.806	7.266	-389.593	0.595428
11482	0.301	-24.964	-0.815738	-319.806	7.266	-485.812	0.349998
.							
11483	0	138.715	0.304662	-35.051	0.456725	-26.553	-0.338200
11483	2.000	138.715	0.304662	-35.051	0.456725	-96.653	0.271100
.							
11484	0	138.715	-0.302391	35.052	-0.459490	-96.653	0.270414
11484	2.000	138.715	-0.302391	35.052	-0.459490	-26.552	-0.334343
.							
11485	0	-24.965	0.816305	319.819	-7.265	-485.813	0.360260
11485	0.301	-24.965	0.816305	319.819	-7.265	-389.590	0.605861
.							
11486	0	-15.802	0.377448	168.590	-3.593	-383.468	0.112254
11486	2.310	-15.802	0.377448	168.590	-3.593	5.901	0.983995
.							
11501	0	-78.687	0.145560	0.605856	-0.156059	-0.521472	2.653
11501	0.825	-78.687	0.145560	0.605856	-0.156059	-0.021660	2.773
.							
11502	0	-72.311	0.143044	-0.418893	-0.154156	0.368963	2.677
11502	0.825	-72.311	0.143044	-0.418893	-0.154156	0.023390	2.795
.							
11503	0	-0.617958	0.148462	-78.613	2.778	-0.000472	0.156060
11503	0.300	-0.617958	0.148462	-78.613	2.778	-23.583	0.200597
.							
11504	0	-0.444119	-0.148453	-72.236	-2.800	-0.000433	0.154155
11504	0.300	-0.444119	-0.148453	-72.236	-2.800	-21.670	0.109621

.							
11505	0	0.482538	0.085246	2.400	-0.023638	2.88E-05	0.004474
11505	0.600	0.482538	0.085246	-2.400	-0.023638	2.87E-05	0.055621
.							
11508	0	-251.301	123.498	0.542591	-0.085309	-3.771	-407.758
11508	4.500	-251.301	123.498	0.542591	-0.085309	-1.329	147.960
.							
11509	0	-251.301	-123.498	0.537739	0.099228	-3.765	407.758
11509	4.500	-251.301	-123.498	0.537739	0.099228	-1.345	-147.960
.							
11510	0	-210.162	28.835	0.353408	0.036051	-2.172	-31.491
11510	4.500	-210.162	28.835	0.353408	0.036051	-0.582133	98.262
.							
11511	0	-210.162	-28.835	0.344541	-0.027139	-2.152	31.491
11511	4.500	-210.162	-28.835	0.344541	-0.027139	-0.601533	-98.262
.							
11559	0	-24.318	-0.000918	-1.86E-05	-0.004175	20.439	-0.565156
11559	4.000	-24.318	-0.000918	-1.86E-05	-0.004175	20.439	-0.568829
.							
11560	0	8.125	-0.459754	-339.166	1.005	284.473	0.061644
11560	2.000	8.125	-0.459754	-339.166	1.005	-393.831	-0.857827
.							
11561	0	8.125	0.448445	339.166	-1.013	-393.832	-0.815310
11561	2.000	8.125	0.448445	339.166	-1.013	284.473	0.081544
.							
11570	0	-678.332	5.96E-05	0.908193	0.042518	-2.018	0.000595
11570	0.200	-678.332	5.96E-05	0.908193	0.042518	-1.836	0.000607
.							
11571	0	-93.851	0.087771	5.178	0.359333	-4.448	-1.713
11571	4.924	-93.851	0.087771	5.178	0.359333	21.050	-1.281
.							
11572	0	-93.851	-0.084360	5.178	-0.350961	-4.448	1.724
11572	4.924	-93.851	-0.084360	5.178	-0.350961	21.051	1.309
.							
11573	0	-120.974	-0.103904	-58.081	0.354865	163.467	0.861182
11573	6.021	-120.974	-0.103904	-58.081	0.354865	-186.215	0.235619
.							
11574	0	-120.974	0.106346	-58.081	-0.353677	163.467	-0.891086
11574	6.021	-120.974	0.106346	-58.081	-0.353677	-186.215	-0.250822
.							
11581	0	-14.090	-0.173837	-150.339	1.877	5.571	0.483660
11581	2.310	-14.090	-0.173837	-150.339	1.877	-341.645	0.082172
.							
11582	0	-21.983	-0.363790	-281.582	4.018	-346.666	0.313274
11582	0.301	-21.983	-0.363790	-281.582	4.018	-431.385	0.203821
.							
11583	0	123.103	0.179094	-31.133	0.250742	-23.618	-0.189179
11583	2.000	123.103	0.179094	-31.133	0.250742	-85.882	0.168995
.							
11584	0	123.103	-0.174282	31.133	-0.256595	-85.882	0.167991
11584	2.000	123.103	-0.174282	31.133	-0.256595	-23.618	-0.180560
.							
11585	0	-21.983	0.364059	281.585	-4.016	-431.385	0.226249
11585	0.301	-21.983	0.364059	281.585	-4.016	-346.665	0.335783
.							
11586	0	-14.090	0.173817	150.339	-1.876	-341.645	0.085339
11586	2.310	-14.090	0.173817	150.339	-1.876	5.571	0.486781
.							
12201	0	-62.129	0.048546	0.486530	0.045196	-0.508745	-2.495

12201	1.036	-62.129	0.048546	0.486530	0.045196	-0.004720	-2.445
.							
12202	0	-69.309	0.048321	-0.669091	0.049578	0.702714	-2.619
12202	1.036	-69.309	0.048321	-0.669091	0.049578	0.009563	-2.568
.							
12203	0	-0.490760	0.048836	-62.111	-2.444	-0.000373	-0.045195
12203	0.300	-0.490760	0.048836	-62.111	-2.444	-18.633	-0.030545
.							
12204	0	-0.680413	-0.048845	-69.299	2.568	-0.000416	-0.049578
12204	0.300	-0.680413	-0.048845	-69.299	2.568	-20.789	-0.064231
.							
12205	0	0.488832	0.015274	5.13E-12	0.144116	6.15E-17	0.024575
12205	0.600	0.488832	0.015274	5.13E-12	0.144116	3.08E-12	0.033739
.							
12301	0	-69.561	0.053441	0.661415	0.123872	-0.692617	-3.028
12301	1.036	-69.561	0.053441	0.661415	0.123872	-0.007419	-2.972
.							
12302	0	-81.900	0.054023	-1.107	0.131146	1.156	-3.198
12302	1.036	-81.900	0.054023	-1.107	0.131146	0.009296	-3.142
.							
12303	0	-0.672662	0.054867	-69.559	-2.971	-0.000417	-0.123871
12303	0.300	-0.672662	0.054867	-69.559	-2.971	-20.867	-0.107412
.							
12304	0	-1.111	-0.054884	-81.884	3.141	-0.000491	-0.131146
12304	0.300	-1.111	-0.054884	-81.884	3.141	-24.565	-0.147610
.							
12305	0	0.480241	0.022674	-5.83E-12	0.197873	-7.00E-17	0.037633
12305	0.600	0.480241	0.022674	-5.83E-12	0.197873	-3.50E-12	0.051237
.							
12401	0	-81.900	0.054572	1.104	-0.131151	-1.155	-3.198
12401	1.036	-81.900	0.054572	1.104	-0.131151	-0.010794	-3.142
.							
12402	0	-69.561	0.054597	-0.657907	-0.123875	0.692329	-3.028
12402	1.036	-69.561	0.054597	-0.657907	-0.123875	0.010764	-2.972
.							
12403	0	-1.111	0.054884	-81.906	-3.141	-0.000491	0.131151
12403	0.300	-1.111	0.054884	-81.906	-3.141	-24.571	0.147615
.							
12404	0	-0.672663	-0.054867	-69.560	2.972	-0.000417	0.123875
12404	0.300	-0.672663	-0.054867	-69.560	2.972	-20.867	0.107415
.							
12405	0	0.480241	-0.022674	4.97E-14	-0.197808	5.97E-19	0.051236
12405	0.600	0.480241	-0.022674	4.97E-14	-0.197808	2.98E-14	0.037633
.							
12501	0	-69.309	0.048572	0.667171	-0.049583	-0.701719	-2.619
12501	1.036	-69.309	0.048572	0.667171	-0.049583	-0.010558	-2.568
.							
12502	0	-62.129	0.048858	-0.488903	-0.045195	0.509974	-2.495
12502	1.036	-62.129	0.048858	-0.488903	-0.045195	0.003491	-2.444
.							
12503	0	-0.680412	0.048845	-69.300	-2.568	-0.000416	0.049584
12503	0.300	-0.680412	0.048845	-69.300	-2.568	-20.790	0.064236
.							
12504	0	-0.490758	-0.048836	-62.132	2.444	-0.000373	0.045194
12504	0.300	-0.490758	-0.048836	-62.132	2.444	-18.639	0.030544
.							
12505	0	0.488831	-0.015276	3.79E-14	-0.144115	4.55E-19	0.033737
12505	0.600	0.488831	-0.015276	3.79E-14	-0.144115	2.27E-14	0.024572
.							

13201	0	-53.152	3.66E-07	0.448768	-0.008374	-0.473491	-6.69E-06
13201	1.059	-53.152	3.66E-07	0.448768	-0.008374	0.001735	-6.30E-06
.							
13202	0	-60.312	-2.48E-07	-0.631243	-0.011529	0.665092	7.34E-06
13202	1.059	-60.312	-2.48E-07	-0.631243	-0.011529	-0.003368	7.03E-06
.							
13203	0	-0.449255	3.90E-07	-53.133	-6.28E-06	-0.000319	0.008374
13203	0.300	-0.449255	3.90E-07	-53.133	-6.28E-06	-15.940	0.008375
.							
13204	0	-0.630503	2.49E-07	-60.311	-7.08E-06	-0.000362	0.011529
13204	0.300	-0.630503	2.49E-07	-60.311	-7.08E-06	-18.093	0.011529
.							
13205	0	0.421692	0.003419	3.45E-12	-1.60E-05	4.14E-17	-0.017052
13205	0.600	0.421692	0.003419	3.45E-12	-1.60E-05	2.07E-12	-0.015001
.							
13301	0	-60.072	-9.71E-05	0.622440	-0.003079	-0.657449	3.13E-07
13301	1.059	-60.072	-9.71E-05	0.622440	-0.003079	0.001690	-0.000102
.							
13302	0	-72.387	-9.76E-05	-1.046	-0.006675	1.109	6.87E-06
13302	1.059	-72.387	-9.76E-05	-1.046	-0.006675	0.000902	-9.65E-05
.							
13303	0	-0.622722	-9.72E-05	-60.068	-0.000103	-0.000360	0.003079
13303	0.300	-0.622722	-9.72E-05	-60.068	-0.000103	-18.020	0.003050
.							
13304	0	-1.057	9.75E-05	-72.398	9.65E-05	-0.000434	0.006675
13304	0.300	-1.057	9.75E-05	-72.398	9.65E-05	-21.719	0.006704
.							
13305	0	0.402097	0.003630	-3.95E-12	-7.32E-06	-4.74E-17	-0.019373
13305	0.600	0.402097	0.003630	-3.95E-12	-7.32E-06	-2.37E-12	-0.017195
.							
13401	0	-72.387	-9.75E-05	1.044	0.006675	-1.108	6.77E-06
13401	1.059	-72.387	-9.75E-05	1.044	0.006675	-0.001966	-9.65E-05
.							
13402	0	-60.072	-9.70E-05	-0.635744	0.003079	0.662997	2.43E-07
13402	1.059	-60.072	-9.70E-05	-0.635744	0.003079	-0.010229	-0.000102
.							
13403	0	-1.057	-9.75E-05	-72.389	-9.65E-05	-0.000434	-0.006675
13403	0.300	-1.057	-9.75E-05	-72.389	-9.65E-05	-21.716	-0.006704
.							
13404	0	-0.622722	9.72E-05	-60.055	0.000103	-0.000360	-0.003079
13404	0.300	-0.622722	9.72E-05	-60.055	0.000103	-18.016	-0.003050
.							
13405	0	0.402097	-0.003636	3.52E-14	7.31E-06	4.23E-19	-0.017193
13405	0.600	0.402097	-0.003636	3.52E-14	7.31E-06	2.11E-14	-0.019375
.							
13501	0	-60.312	-1.98E-07	0.630902	0.011529	-0.664911	7.25E-06
13501	1.059	-60.312	-1.98E-07	0.630902	0.011529	0.003187	7.04E-06
.							
13502	0	-53.152	4.18E-07	-0.456088	0.008374	0.478114	-6.72E-06
13502	1.059	-53.152	4.18E-07	-0.456088	0.008374	-0.004863	-6.28E-06
.							
13503	0	-0.630503	-2.49E-07	-60.310	7.10E-06	-0.000362	-0.011529
13503	0.300	-0.630503	-2.49E-07	-60.310	7.10E-06	-18.093	-0.011529
.							
13504	0	-0.449254	-3.91E-07	-53.157	6.29E-06	-0.000319	-0.008374
13504	0.300	-0.449254	-3.91E-07	-53.157	6.29E-06	-15.947	-0.008374
.							
13505	0	0.421690	-0.003420	2.99E-14	1.60E-05	3.59E-19	-0.015001
13505	0.600	0.421690	-0.003420	2.99E-14	1.60E-05	1.79E-14	-0.017052

```
.
14201       0   -62.129 -0.048375  0.488649 -0.049818 -0.509079     2.495
14201   1.036   -62.129 -0.048375  0.488649 -0.049818 -0.002859     2.445
.
14202       0   -69.309 -0.047965 -0.667513 -0.064304  0.700369     2.618
14202   1.036   -69.309 -0.047965 -0.667513 -0.064304  0.008852     2.569
.
14203       0 -0.490768 -0.048831   -62.119     2.444 -0.000373  0.049818
14203   0.300 -0.490768 -0.048831   -62.119     2.444   -18.635  0.035169
.
14204       0 -0.680405  0.048840   -69.290    -2.568 -0.000416  0.064304
14204   0.300 -0.680405  0.048840   -69.290    -2.568   -20.787  0.078955
.
14205       0  0.452300 -0.015804  5.13E-12 -0.144180  6.15E-17 -0.074749
14205   0.600  0.452300 -0.015804  5.13E-12 -0.144180  3.08E-12 -0.084230
.
14301       0   -69.561 -0.053615  0.660934 -0.123175 -0.693896     3.028
14301   1.036   -69.561 -0.053615  0.660934 -0.123175 -0.009197     2.972
.
14302       0   -81.900 -0.054291    -1.102 -0.141957     1.150     3.198
14302   1.036   -81.900 -0.054291    -1.102 -0.141957  0.008967     3.142
.
14303       0 -0.672665 -0.055056   -69.548     2.971 -0.000417  0.123174
14303   0.300 -0.672665 -0.055056   -69.548     2.971   -20.864  0.106658
.
14304       0    -1.111  0.055073   -81.896    -3.141 -0.000491  0.141957
14304   0.300    -1.111  0.055073   -81.896    -3.141   -24.568  0.158479
.
14305       0  0.442819 -0.021148 -5.83E-12 -0.197873 -7.00E-17 -0.095448
14305   0.600  0.442819 -0.021148 -5.83E-12 -0.197873 -3.50E-12 -0.108137
.
14401       0   -81.900 -0.055352     1.099  0.141962    -1.149     3.199
14401   1.036   -81.900 -0.055352     1.099  0.141962 -0.010465     3.141
.
14402       0   -69.561 -0.054719 -0.666285  0.123178  0.696668     3.028
14402   1.036   -69.561 -0.054719 -0.666285  0.123178  0.006424     2.972
.
14403       0    -1.111 -0.055073   -81.895     3.141 -0.000491 -0.141962
14403   0.300    -1.111 -0.055073   -81.895     3.141   -24.568 -0.158484
.
14404       0 -0.672666  0.055056   -69.570    -2.971 -0.000417 -0.123177
14404   0.300 -0.672666  0.055056   -69.570    -2.971   -20.871 -0.106661
.
14405       0  0.442818  0.021156  4.97E-14  0.197872  5.97E-19 -0.108138
14405   0.600  0.442818  0.021156  4.97E-14  0.197872  2.98E-14 -0.095445
.
14501       0   -69.309 -0.048663  0.665577  0.064309 -0.699366     2.619
14501   1.036   -69.309 -0.048663  0.665577  0.064309 -0.009855     2.569
.
14502       0   -62.129 -0.049088 -0.495464  0.049817  0.513373     2.495
14502   1.036   -62.129 -0.049088 -0.495464  0.049817  9.26E-05     2.444
.
14503       0 -0.680405 -0.048840   -69.292     2.568 -0.000416 -0.064310
14503   0.300 -0.680405 -0.048840   -69.292     2.568   -20.787 -0.078961
.
14504       0 -0.490766  0.048830   -62.118    -2.444 -0.000373 -0.049816
14504   0.300 -0.490766  0.048830   -62.118    -2.444   -18.635 -0.035168
.
14505       0  0.452298  0.015802  3.80E-14  0.144178  4.56E-19 -0.084227
14505   0.600  0.452298  0.015802  3.80E-14  0.144178  2.28E-14 -0.074746
.
15201       0   -72.310 -0.146017  0.414346 -0.147499 -0.367088    -2.676
15201   0.825   -72.310 -0.146017  0.414346 -0.147499 -0.025266    -2.796
.
15202       0   -78.686 -0.142515 -0.578012 -0.165848  0.508067    -2.654
15202   0.825   -78.686 -0.142515 -0.578012 -0.165848  0.031226    -2.772
.
15203       0 -0.444132 -0.148429   -72.390    -2.800 -0.000434  0.147498
15203   0.300 -0.444132 -0.148429   -72.390    -2.800   -21.717  0.102971
.
15204       0 -0.617948  0.148437   -78.722     2.778 -0.000472  0.165849
15204   0.300 -0.617948  0.148437   -78.722     2.778   -23.616  0.210379
.
15205       0  0.475801  0.081475     2.400 -0.023384  2.88E-05 -0.121360
15205   0.600  0.475801  0.081475    -2.400 -0.023384  2.87E-05 -0.072477
.
15301       0   -78.551 -0.160348  0.578388 -0.314387 -0.504250    -2.822
15301   0.825   -78.551 -0.160348  0.578388 -0.314387 -0.027099    -2.954
.
15302       0   -90.777 -0.156330 -0.896501 -0.337278  0.802758    -2.811
15302   0.825   -90.777 -0.156330 -0.896501 -0.337278  0.063175    -2.940
.
15303       0 -0.606068 -0.167014   -78.547    -2.961 -0.000471  0.314386
15303   0.300 -0.606068 -0.167014   -78.547    -2.961   -23.564  0.264284
.
15304       0 -0.983517  0.167031   -90.774     2.948 -0.000545  0.337279
15304   0.300 -0.983517  0.167031   -90.774     2.948   -27.231  0.387386
.
15305       0  0.474683  0.156107     2.400 -0.012709  2.88E-05 -0.165045
15305   0.600  0.474683  0.156107    -2.400 -0.012709  2.87E-05 -0.071384
.
15401       0   -90.777 -0.163349  0.944035  0.337273 -0.822366    -2.808
15401   0.825   -90.777 -0.163349  0.944035  0.337273 -0.043568    -2.943
.
15402       0   -78.551 -0.167182 -0.594701  0.314385  0.512898    -2.819
15402   0.825   -78.551 -0.167182 -0.594701  0.314385  0.022289    -2.957
.
15403       0 -0.983517 -0.167031   -90.768    -2.948 -0.000545 -0.337274
15403   0.300 -0.983517 -0.167031   -90.768    -2.948   -27.230 -0.387382
.
15404       0 -0.606069  0.167014   -78.553     2.960 -0.000471 -0.314384
15404   0.300 -0.606069  0.167014   -78.553     2.960   -23.565 -0.264281
.
15405       0  0.474682 -0.156109     2.400  0.012709  2.88E-05 -0.071384
15405   0.600  0.474682 -0.156109    -2.400  0.012709  2.87E-05 -0.165047
.
15501       0   -78.687 -0.145051  0.593363  0.165844 -0.516318    -2.654
15501   0.825   -78.687 -0.145051  0.593363  0.165844 -0.026813    -2.774
.
15502       0   -72.310 -0.144344 -0.417977  0.147503  0.368586    -2.677
15502   0.825   -72.310 -0.144344 -0.417977  0.147503  0.023768    -2.796
.
15503       0 -0.617948 -0.148437   -78.755    -2.778 -0.000473 -0.165845
15503   0.300 -0.617948 -0.148437   -78.755    -2.778   -23.626 -0.210375
.
15504       0 -0.444130  0.148428   -72.358     2.800 -0.000434 -0.147502
15504   0.300 -0.444130  0.148428   -72.358     2.800   -21.707 -0.102976
.
```

15505	0	0.475799	-0.081479	2.400	0.023384	2.88E-05	-0.072480
15505	0.600	0.475799	-0.081479	-2.400	0.023384	2.87E-05	-0.121366
.							
21101	0	-0.040834	-0.011337	4.526	-0.836834	-0.861047	0.016887
21101	2.300	-0.040834	-0.011337	-5.268	-0.836834	-1.714	-0.009188
.							
21111	0	-0.004870	-0.012174	3.781	-0.794312	-0.081432	0.016816
21111	2.300	-0.004870	-0.012174	-6.012	-0.794312	-2.646	-0.011182
.							
21121	0	0.010854	-0.007390	3.504	-0.683593	0.135099	0.009208
21121	2.300	0.010854	-0.007390	-6.289	-0.683593	-3.067	-0.007789
.							
21131	0	0.013303	-0.003409	3.348	-0.525468	0.216285	0.003908
21131	2.300	0.013303	-0.003409	-6.446	-0.525468	-3.346	-0.003932
.							
21141	0	0.012599	-2.72E-05	3.246	-0.338210	0.249032	-1.66E-05
21141	2.300	0.012599	-2.72E-05	-6.547	-0.338210	-3.547	-7.92E-05
.							
21151	0	0.012315	0.003159	3.185	-0.138633	0.251303	-0.003555
21151	2.300	0.012315	0.003159	-6.608	-0.138633	-3.684	0.003710
.							
21161	0	0.012920	0.005956	3.161	0.057511	0.223296	-0.006688
21161	2.300	0.012920	0.005956	-6.632	0.057511	-3.768	0.007011
.							
21171	0	0.013006	0.007766	3.173	0.235377	0.148770	-0.008989
21171	2.300	0.013006	0.007766	-6.620	0.235377	-3.814	0.008872
.							
21181	0	0.008354	0.007349	3.245	0.380985	-0.037662	-0.009288
21181	2.300	0.008354	0.007349	-6.548	0.380985	-3.835	0.007613
.							
21191	0	-0.001362	0.000391	3.490	0.480956	-0.577533	-0.000981
21191	2.300	-0.001362	0.000391	-6.303	0.480956	-3.811	-8.13E-05
.							
21201	0	-0.013674	-0.010185	5.479	-0.403899	-2.771	0.012804
21201	2.300	-0.013674	-0.010185	-4.314	-0.403899	-1.430	-0.010620
.							
21211	0	-0.004458	-0.013051	5.060	-0.383533	-2.698	0.015900
21211	2.300	-0.004458	-0.013051	-4.733	-0.383533	-2.322	-0.014117
.							
21221	0	0.001484	-0.012616	4.843	-0.326471	-2.879	0.015006
21221	2.300	0.001484	-0.012616	-4.950	-0.326471	-3.003	-0.014010
.							
21231	0	0.003705	-0.009223	4.699	-0.243923	-3.070	0.010766
21231	2.300	0.003705	-0.009223	-5.094	-0.243923	-3.525	-0.010446
.							
21241	0	0.003807	-0.004517	4.619	-0.144257	-3.229	0.005219
21241	2.300	0.003807	-0.004517	-5.174	-0.144257	-3.866	-0.005168
.							
21251	0	0.003632	0.000371	4.613	-0.034015	-3.348	-0.000364
21251	2.300	0.003632	0.000371	-5.180	-0.034015	-4.000	0.000490
.							
21261	0	0.004604	0.004616	4.689	0.080780	-3.432	-0.005060
21261	2.300	0.004604	0.004616	-5.104	0.080780	-3.908	0.005557
.							
21271	0	0.008406	0.007059	4.854	0.193010	-3.486	-0.007451
21271	2.300	0.008406	0.007059	-4.939	0.193010	-3.585	0.008783
.							
21281	0	0.018048	0.006001	5.087	0.292619	-3.492	-0.005408
21281	2.300	0.018048	0.006001	-4.706	0.292619	-3.055	0.008393

.							
21291	0	0.037425	0.000672	5.301	0.364981	-3.344	0.001841
21291	2.300	0.037425	0.000672	-4.492	0.364981	-2.414	0.003387
.							
21301	0	0.010552	-0.010855	4.314	0.403899	-1.430	0.011563
21301	2.300	0.010552	-0.010855	-5.479	0.403899	-2.771	-0.013403
.							
21311	0	0.002353	-0.013992	4.733	0.383533	-2.322	0.015290
21311	2.300	0.002353	-0.013992	-5.060	0.383533	-2.698	-0.016890
.							
21321	0	-0.003377	-0.013876	4.950	0.326471	-3.003	0.015479
21321	2.300	-0.003377	-0.013876	-4.843	0.326471	-2.879	-0.016434
.							
21331	0	-0.005989	-0.010800	5.094	0.243923	-3.525	0.012241
21331	2.300	-0.005989	-0.010800	-4.699	0.243923	-3.070	-0.012597
.							
21341	0	-0.006699	-0.006357	5.174	0.144257	-3.866	0.007285
21341	2.300	-0.006699	-0.006357	-4.619	0.144257	-3.229	-0.007335
.							
21351	0	-0.006551	-0.001477	5.180	0.034015	-4.000	0.001786
21351	2.300	-0.006551	-0.001477	-4.613	0.034015	-3.348	-0.001611
.							
21361	0	-0.004911	0.003576	5.104	-0.080781	-3.908	-0.003728
21361	2.300	-0.004911	0.003576	-4.689	-0.080781	-3.432	0.004496
.							
21371	0	0.001320	0.008729	4.939	-0.193011	-3.585	-0.008895
21371	2.300	0.001320	0.008729	-4.854	-0.193011	-3.486	0.011182
.							
21381	0	0.017511	0.013363	4.706	-0.292619	-3.055	-0.012900
21381	2.300	0.017511	0.013363	-5.087	-0.292619	-3.492	0.017834
.							
21391	0	0.047028	0.015070	4.492	-0.364982	-2.414	-0.013721
21391	2.300	0.047028	0.015070	-5.301	-0.364982	-3.344	0.020938
.							
21401	0	0.039571	-0.012477	5.268	0.836834	-1.714	0.010593
21401	2.300	0.039571	-0.012477	-4.525	0.836834	-0.861046	-0.018103
.							
21411	0	0.004067	-0.013967	6.012	0.794312	-2.646	0.013294
21411	2.300	0.004067	-0.013967	-3.781	0.794312	-0.081429	-0.018828
.							
21421	0	-0.011612	-0.009945	6.289	0.683593	-3.067	0.010755
21421	2.300	-0.011612	-0.009945	-3.504	0.683593	0.135101	-0.012118
.							
21431	0	-0.014210	-0.006792	6.446	0.525467	-3.346	0.007854
21431	2.300	-0.014210	-0.006792	-3.348	0.525467	0.216288	-0.007767
.							
21441	0	-0.013586	-0.004266	6.547	0.338210	-3.547	0.005026
21441	2.300	-0.013586	-0.004266	-3.246	0.338210	0.249032	-0.004785
.							
21451	0	-0.012944	-0.001673	6.608	0.138634	-3.684	0.002000
21451	2.300	-0.012944	-0.001673	-3.185	0.138634	0.251304	-0.001848
.							
21461	0	-0.012577	0.001556	6.632	-0.057511	-3.768	-0.001749
21461	2.300	-0.012577	0.001556	-3.161	-0.057511	0.223299	0.001831
.							
21471	0	-0.011867	0.006362	6.620	-0.235377	-3.814	-0.007179
21471	2.300	-0.011867	0.006362	-3.173	-0.235377	0.148775	0.007453
.							
21481	0	-0.006787	0.014385	6.548	-0.380985	-3.835	-0.015479

21481	2.300	-0.006787	0.014385	-3.245	-0.380985	-0.037662	0.017605
.							
21491	0	0.018201	0.026432	6.303	-0.480956	-3.811	-0.025893
21491	2.300	0.018201	0.026432	-3.490	-0.480956	-0.577533	0.034899
.							
21501	0	0.027098	-0.028346	4.380	0.520741	-2.366	0.042121
21501	2.300	0.027098	-0.028346	-5.413	0.520741	-3.555	-0.023073
.							
21601	0	0.064683	-0.004865	5.232	0.391049	-2.689	0.008231
21601	2.300	0.064683	-0.004865	-4.561	0.391049	-1.916	-0.002957
.							
21701	0	0.080007	0.008870	4.561	-0.391050	-1.916	-0.007760
21701	2.300	0.080007	0.008870	-5.232	-0.391050	-2.689	0.012640
.							
21801	0	0.088515	0.031559	5.413	-0.520741	-3.555	-0.026755
21801	2.300	0.088515	0.031559	-4.380	-0.520741	-2.366	0.045829
.							
22101	0	0.075233	-0.037098	4.865	-0.798775	-2.616	0.055864
22101	2.300	0.075233	-0.037098	-6.057	-0.798775	-3.987	-0.029457
.							
22111	0	0.076368	0.018171	3.813	-0.750090	-0.563056	-0.025818
22111	2.300	0.076368	0.018171	-7.104	-0.750090	-4.343	0.015974
.							
22121	0	0.037517	0.012083	3.531	-0.629188	-0.005771	-0.016919
22121	2.300	0.037517	0.012083	-7.391	-0.629188	-4.444	0.010871
.							
22131	0	0.020617	0.003812	3.425	-0.454856	0.170725	-0.005408
22131	2.300	0.020617	0.003812	-7.497	-0.454856	-4.511	0.003359
.							
22141	0	0.014857	0.001655	3.375	-0.244497	0.235148	-0.002281
22141	2.300	0.014857	0.001655	-7.548	-0.244497	-4.563	0.001525
.							
22151	0	0.012500	0.004144	3.356	-0.016185	0.251785	-0.004865
22151	2.300	0.012500	0.004144	-7.567	-0.016185	-4.591	0.004665
.							
22161	0	0.011743	0.009245	3.365	0.211529	0.232497	-0.010513
22161	2.300	0.011743	0.009245	-7.557	0.211529	-4.588	0.010749
.							
22171	0	0.010330	0.015504	3.404	0.420215	0.165003	-0.018050
22171	2.300	0.010330	0.015504	-7.518	0.420215	-4.565	0.017608
.							
22181	0	-0.001363	0.020868	3.497	0.592203	-0.017382	-0.026287
22181	2.300	-0.001363	0.020868	-7.426	0.592203	-4.536	0.021707
.							
22191	0	-0.032614	0.013764	3.771	0.710901	-0.594100	-0.018984
22191	2.300	-0.032614	0.013764	-7.152	0.710901	-4.482	0.012671
.							
22201	0	0.083679	-0.008315	5.931	-0.538809	-2.993	0.012622
22201	2.300	0.083679	-0.008315	-5.092	-0.538809	-2.143	-0.006501
.							
22211	0	0.081557	-0.004013	5.849	-0.505673	-3.852	0.002541
22211	2.300	0.081557	-0.004013	-5.073	-0.505673	-2.960	-0.006687
.							
22221	0	0.054273	-0.004135	5.526	-0.414187	-4.086	0.001541
22221	2.300	0.054273	-0.004135	-5.396	-0.414187	-3.936	-0.007968
.							
22231	0	0.028120	-0.004379	5.212	-0.290103	-4.161	0.002575
22231	2.300	0.028120	-0.004379	-5.710	-0.290103	-4.734	-0.007496
.							

22241	0	0.011348	-0.002214	5.009	-0.150520	-4.198	0.001146
22241	2.300	0.011348	-0.002214	-5.913	-0.150520	-5.237	-0.003945
.							
22251	0	0.002482	0.002342	4.942	-0.004831	-4.218	-0.003390
22251	2.300	0.002482	0.002342	-5.980	-0.004831	-5.411	0.001997
.							
22261	0	-0.002089	0.008012	5.015	0.141611	-4.221	-0.009542
22261	2.300	-0.002089	0.008012	-5.907	0.141611	-5.248	0.003884
.							
22271	0	-0.003978	0.012563	5.227	0.283334	-4.212	-0.014344
22271	2.300	-0.003978	0.012563	-5.695	0.283334	-4.750	0.014550
.							
22281	0	0.000376	0.011849	5.558	0.410498	-4.171	-0.012178
22281	2.300	0.000376	0.011849	-5.364	0.410498	-3.948	0.015073
.							
22291	0	0.022389	0.001180	5.901	0.505015	-3.970	0.003079
22291	2.300	0.022389	0.001180	-5.022	0.505015	-2.959	0.005792
.							
22301	0	0.099438	0.009926	5.092	0.538807	-2.143	-0.003869
22301	2.300	0.099438	0.009926	-5.831	0.538807	-2.993	0.013959
.							
22311	0	0.088766	-0.016685	5.073	0.505670	-2.960	0.015939
22311	2.300	0.088766	-0.016685	-5.849	0.505670	-3.852	-0.022434
.							
22321	0	0.051463	-0.021748	5.396	0.414185	-3.936	0.020718
22321	2.300	0.051463	-0.021748	-5.526	0.414185	-4.086	-0.029301
.							
22331	0	0.019593	-0.016210	5.710	0.290102	-4.734	0.015695
22331	2.300	0.019593	-0.016210	-5.212	0.290102	-4.161	-0.021586
.							
22341	0	0.001163	-0.008582	5.913	0.150518	-5.237	0.008351
22341	2.300	0.001163	-0.008582	-5.009	0.150518	-4.198	-0.011386
.							
22351	0	-0.007907	-0.001976	5.380	0.004830	-5.411	0.001574
22351	2.300	-0.007907	-0.001976	-4.942	0.004830	-4.218	-0.002971
.							
22361	0	-0.012324	0.003504	5.907	-0.141612	-5.248	-0.004235
22361	2.300	-0.012324	0.003504	-5.015	-0.141612	-4.221	0.003824
.							
22371	0	-0.012376	0.008679	5.695	-0.283336	-4.750	-0.009334
22371	2.300	-0.012376	0.008679	-5.227	-0.283336	-4.212	0.010626
.							
22381	0	-0.001360	0.014523	5.364	-0.410499	-3.948	-0.013986
22381	2.300	-0.001360	0.014523	-5.558	-0.410499	-4.171	0.019415
.							
22391	0	0.032758	0.020109	5.022	-0.505017	-2.959	-0.017256
22391	2.300	0.032758	0.020109	-5.901	-0.505017	-3.970	0.028993
.							
22401	0	0.143432	0.038399	6.057	0.798774	-3.987	-0.031155
22401	2.300	0.143432	0.038399	-4.865	0.798774	-2.616	0.057161
.							
22411	0	0.092411	-0.049854	7.104	0.750090	-4.343	0.046114
22411	2.300	0.092411	-0.049854	-3.818	0.750090	-0.563059	-0.068545
.							
22421	0	0.017581	-0.036488	7.391	0.629187	-4.444	0.037140
22421	2.300	0.017581	-0.036488	-3.531	0.629187	-0.005772	-0.046780
.							
22431	0	-0.006820	-0.019050	7.497	0.454855	-4.511	0.020897
22431	2.300	-0.006820	-0.019050	-3.425	0.454855	0.170729	-0.022916

.							
22441	0	-0.012324	-0.008978	7.548	0.244496	-4.563	0.010124
22441	2.300	-0.012324	-0.008978	-3.375	0.244496	0.235143	-0.010525
.							
22451	0	-0.014239	-0.003950	7.567	0.016184	-4.591	0.004442
22451	2.300	-0.014239	-0.003950	-3.356	0.016184	0.251792	-0.004642
.							
22461	0	-0.015443	-0.001520	7.557	-0.211531	-4.588	0.001692
22461	2.300	-0.015443	-0.001520	-3.365	-0.211531	0.232504	-0.001803
.							
22471	0	-0.017002	0.000247	7.518	-0.420216	-4.565	-0.000490
22471	2.300	-0.017002	0.000247	-3.404	-0.420216	0.164995	7.77E-05
.							
22481	0	-0.020592	0.004484	7.426	-0.592205	-4.536	-0.005527
22481	2.300	-0.020592	0.004484	-3.497	-0.592205	-0.017387	0.004786
.							
22491	0	-0.013879	0.019905	7.152	-0.710903	-4.482	-0.019429
22491	2.300	-0.013879	0.019905	-3.771	-0.710903	-0.594101	0.026351
.							
22501	0	0.013659	-0.065779	4.829	0.758813	-2.724	0.100092
22501	2.300	0.013659	-0.065779	-6.094	0.758813	-4.179	-0.051195
.							
22601	0	0.071801	-0.015682	5.885	0.539409	-3.115	0.024854
22601	2.300	0.071801	-0.015682	-5.037	0.539409	-2.139	-0.011213
.							
22701	0	0.090860	0.017481	5.037	-0.539410	-2.139	-0.013301
22701	2.300	0.090860	0.017481	-5.885	-0.539410	-3.115	0.026905
.							
22801	0	0.087699	0.067566	6.094	-0.758815	-4.179	-0.052891
22801	2.300	0.087699	0.067566	-4.829	-0.758815	-2.724	0.102503
.							
23101	0	0.113578	-0.100546	5.615	-1.229	-3.141	0.154939
23101	2.300	0.113578	-0.100546	-7.191	-1.229	-4.953	-0.076307
.							
23111	0	0.115995	0.042396	4.239	-1.150	-0.520571	-0.059548
23111	2.300	0.115995	0.042396	-8.567	-1.150	-5.497	0.037958
.							
23121	0	0.046705	0.022331	3.864	-0.959601	0.085621	-0.030234
23121	2.300	0.046705	0.022331	-8.942	-0.959601	-5.754	0.021125
.							
23131	0	0.024922	0.004748	3.690	-0.685983	0.266110	-0.006629
23131	2.300	0.024922	0.004748	-9.116	-0.685983	-5.973	0.004290
.							
23141	0	0.018796	-0.000564	3.590	-0.356893	0.335631	0.000213
23141	2.300	0.018796	-0.000564	-9.216	-0.356893	-6.134	-0.001085
.							
23151	0	0.017158	-2.26E-09	3.555	-8.43E-07	0.355659	4.50E-09
23151	2.300	0.017158	-2.26E-09	-9.251	-8.43E-07	-6.194	-7.01E-10
.							
23161	0	0.018796	0.000564	3.590	0.356891	0.335638	-0.000213
23161	2.300	0.018796	0.000564	-9.216	0.356891	-6.134	0.001085
.							
23171	0	0.024922	-0.004748	3.690	0.685982	0.266092	0.006629
23171	2.300	0.024922	-0.004748	-9.116	0.685982	-5.973	-0.004290
.							
23181	0	0.046705	-0.022331	3.864	0.959600	0.085630	0.030233
23181	2.300	0.046705	-0.022331	-8.942	0.959600	-5.754	-0.021125
.							
23191	0	0.115994	-0.042395	4.239	1.150	-0.520568	0.059548
23191	2.300	0.115994	-0.042395	-8.567	1.150	-5.497	-0.037958
.							
23201	0	0.109946	-0.027601	6.889	-0.766959	-3.640	0.041392
23201	2.300	0.109946	-0.027601	-5.916	-0.766959	-2.521	-0.022088
.							
23211	0	0.118698	-0.007464	6.830	-0.713976	-4.938	0.006227
23211	2.300	0.118698	-0.007464	-5.976	-0.713976	-3.955	-0.010939
.							
23221	0	0.075205	-0.005510	6.307	-0.572597	-5.335	0.001093
23221	2.300	0.075205	-0.005510	-6.499	-0.572597	-5.555	-0.011579
.							
23231	0	0.036246	-0.007303	5.861	-0.391263	-5.546	0.004775
23231	2.300	0.036246	-0.007303	-6.945	-0.391263	-6.792	-0.012022
.							
23241	0	0.015743	-0.005211	5.597	-0.196903	-5.686	0.004448
23241	2.300	0.015743	-0.005211	-7.209	-0.196903	-7.539	-0.007536
.							
23251	0	0.009893	-1.12E-08	5.512	-4.37E-07	-5.737	1.21E-08
23251	2.300	0.009893	-1.12E-08	-7.294	-4.37E-07	-7.787	-1.37E-08
.							
23261	0	0.015743	0.005211	5.597	0.196903	-5.686	-0.004448
23261	2.300	0.015743	0.005211	-7.209	0.196903	-7.539	0.007536
.							
23271	0	0.036246	0.007303	5.861	0.391263	-5.546	-0.004775
23271	2.300	0.036246	0.007303	-6.945	0.391263	-6.792	0.012022
.							
23281	0	0.075205	0.005510	6.307	0.572596	-5.335	-0.001093
23281	2.300	0.075205	0.005510	-6.499	0.572596	-5.555	0.011579
.							
23291	0	0.118698	0.007463	6.830	0.713975	-4.938	-0.006227
23291	2.300	0.118698	0.007463	-5.976	0.713975	-3.955	0.010938
.							
23301	0	0.131679	0.023454	5.916	0.766956	-2.521	-0.017793
23301	2.300	0.131679	0.023454	-6.889	0.766956	-3.640	0.036149
.							
23311	0	0.127230	-0.030221	5.976	0.713974	-3.955	0.030303
23311	2.300	0.127230	-0.030221	-6.830	0.713974	-4.938	-0.039203
.							
23321	0	0.069992	-0.036354	6.499	0.572596	-5.555	0.034861
23321	2.300	0.069992	-0.036354	-6.307	0.572596	-5.335	-0.048749
.							
23331	0	0.025230	-0.023981	6.945	0.391263	-6.792	0.023318
23331	2.300	0.025230	-0.023981	-5.861	0.391263	-5.546	-0.031836
.							
23341	0	0.003867	-0.010889	7.209	0.196903	-7.539	0.010829
23341	2.300	0.003867	-0.010889	-5.597	0.196903	-5.686	-0.014215
.							
23351	0	-0.001884	-1.91E-08	7.294	4.37E-07	-7.787	2.09E-08
23351	2.300	-0.001884	-1.91E-08	-5.512	4.37E-07	-5.737	-2.30E-08
.							
23361	0	0.003867	0.010889	7.209	-0.196902	-7.539	-0.010829
23361	2.300	0.003867	0.010889	-5.597	-0.196902	-5.686	0.014214
.							
23371	0	0.025230	0.023981	6.945	-0.391262	-6.792	-0.023318
23371	2.300	0.025230	0.023981	-5.861	-0.391262	-5.546	0.031836
.							
23381	0	0.069992	0.036354	6.499	-0.572595	-5.555	-0.034861
23381	2.300	0.069992	0.036354	-6.307	-0.572595	-5.335	0.048749
.							

23391	0	0.127230	0.030221	5.976	-0.713974	-3.955	-0.030303
23391	2.300	0.127230	0.030221	-6.830	-0.713974	-4.938	0.039203
.							
23401	0	0.201507	0.098169	7.191	1.229	-4.953	-0.073264
23401	2.300	0.201507	0.098169	-5.615	1.229	-3.141	0.152516
.							
23411	0	0.127752	-0.090087	8.567	1.150	-5.497	0.084373
23411	2.300	0.127752	-0.090087	-4.239	1.150	-0.520570	-0.122819
.							
23421	0	0.019715	-0.055195	8.942	0.959601	-5.754	0.057621
23421	2.300	0.019715	-0.055195	-3.864	0.959601	0.085625	-0.069323
.							
23431	0	-0.006809	-0.025062	9.116	0.685983	-5.973	0.028027
23431	2.300	-0.006808	-0.025062	-3.690	0.685983	0.266095	-0.029614
.							
23441	0	-0.012243	-0.009406	9.216	0.356893	-6.134	0.010643
23441	2.300	-0.012243	-0.009406	-3.590	0.356893	0.335647	-0.010990
.							
23451	0	-0.013565	-1.94E-08	9.251	8.43E-07	-6.194	2.17E-08
23451	2.300	-0.013565	-1.94E-08	-3.555	8.43E-07	0.355657	-2.29E-08
.							
23461	0	-0.012243	0.009406	9.216	-0.356892	-6.134	-0.010643
23461	2.300	-0.012243	0.009406	-3.590	-0.356892	0.335655	0.010990
.							
23471	0	-0.006808	0.025062	9.116	-0.685982	-5.973	-0.028027
23471	2.300	-0.006808	0.025062	-3.690	-0.685982	0.266110	0.029614
.							
23481	0	0.019715	0.055195	8.942	-0.959601	-5.754	-0.057621
23481	2.300	0.019715	0.055195	-3.864	-0.959601	0.085616	0.069323
.							
23491	0	0.127750	0.090087	8.567	-1.150	-5.497	-0.084373
23491	2.300	0.127750	0.090087	-4.239	-1.150	-0.520567	0.122819
.							
23501	0	0.113577	0.100545	5.615	1.229	-3.141	-0.154938
23501	2.300	0.113577	0.100545	-7.191	1.229	-4.953	0.076307
.							
23601	0	0.109946	0.027601	6.889	0.766959	-3.640	-0.041392
23601	2.300	0.109946	0.027601	-5.916	0.766959	-2.521	0.022088
.							
23701	0	0.131679	-0.023454	5.916	-0.766956	-2.521	0.017793
23701	2.300	0.131679	-0.023454	-6.889	-0.766956	-3.640	-0.036149
.							
23801	0	0.201506	-0.098168	7.191	-1.229	-4.953	0.073265
23801	2.300	0.201506	-0.098168	-5.615	-1.229	-3.141	-0.152514
.							
24101	0	0.013659	0.065779	4.829	-0.758813	-2.724	-0.100091
24101	2.300	0.013659	0.065779	-6.094	-0.758813	-4.179	0.051195
.							
24111	0	-0.032613	-0.013764	3.771	-0.710901	-0.594106	0.018984
24111	2.300	-0.032613	-0.013764	-7.152	-0.710901	-4.482	-0.012671
.							
24121	0	-0.001363	-0.020868	3.497	-0.592204	-0.017382	0.026287
24121	2.300	-0.001363	-0.020868	-7.426	-0.592204	-4.536	-0.021707
.							
24131	0	0.010330	-0.015504	3.404	-0.420215	0.165003	0.018050
24131	2.300	0.010330	-0.015504	-7.518	-0.420215	-4.565	-0.017608
.							
24141	0	0.011743	-0.009245	3.365	-0.211530	0.232500	0.010513
24141	2.300	0.011743	-0.009245	-7.557	-0.211530	-4.588	-0.010749
.							
24151	0	0.012500	-0.004144	3.356	0.016184	0.251790	0.004865
24151	2.300	0.012500	-0.004144	-7.567	0.016184	-4.591	-0.004665
.							
24161	0	0.014857	-0.001655	3.375	0.244496	0.235149	0.002281
24161	2.300	0.014857	-0.001655	-7.548	0.244496	-4.563	-0.001525
.							
24171	0	0.020617	-0.003812	3.425	0.454855	0.170731	0.005408
24171	2.300	0.020617	-0.003812	-7.497	0.454855	-4.511	-0.003359
.							
24181	0	0.037517	-0.012083	3.531	0.629187	-0.005775	0.016919
24181	2.300	0.037517	-0.012083	-7.391	0.629187	-4.444	-0.010871
.							
24191	0	0.076368	-0.018171	3.318	0.750091	-0.563055	0.025818
24191	2.300	0.076368	-0.018171	-7.104	0.750091	-4.343	-0.015974
.							
24201	0	0.071800	0.015682	5.386	-0.539409	-3.115	-0.024854
24201	2.300	0.071800	0.015682	-5.037	-0.539409	-2.139	0.011213
.							
24211	0	0.022389	-0.001180	5.901	-0.505016	-3.970	-0.003079
24211	2.300	0.022389	-0.001180	-5.022	-0.505016	-2.959	-0.005792
.							
24221	0	0.000376	-0.011849	5.558	-0.410498	-4.171	0.012178
24221	2.300	0.000376	-0.011849	-5.364	-0.410498	-3.948	-0.015073
.							
24231	0	-0.003978	-0.012563	5.227	-0.283335	-4.212	0.014344
24231	2.300	-0.003978	-0.012563	-5.695	-0.283335	-4.750	-0.014550
.							
24241	0	-0.002089	-0.008012	5.015	-0.141612	-4.221	0.009542
24241	2.300	-0.002089	-0.008012	-5.307	-0.141612	-5.248	-0.008884
.							
24251	0	0.002482	-0.002342	4.942	0.004831	-4.218	0.003390
24251	2.300	0.002482	-0.002342	-5.980	0.004831	-5.411	-0.001997
.							
24261	0	0.011348	0.002214	5.009	0.150520	-4.198	-0.001146
24261	2.300	0.011348	0.002214	-5.913	0.150520	-5.237	0.003945
.							
24271	0	0.028120	0.004379	5.212	0.290103	-4.161	-0.002575
24271	2.300	0.028120	0.004379	-5.710	0.290103	-4.734	0.007496
.							
24281	0	0.054273	0.004135	5.526	0.414187	-4.086	-0.001541
24281	2.300	0.054273	0.004135	-5.396	0.414187	-3.936	0.007968
.							
24291	0	0.081558	0.004013	5.849	0.505672	-3.852	-0.002541
24291	2.300	0.081558	0.004013	-5.073	0.505672	-2.960	0.006687
.							
24301	0	0.090859	-0.017481	5.037	0.539411	-2.139	0.013301
24301	2.300	0.090859	-0.017481	-5.886	0.539411	-3.115	-0.026905
.							
24311	0	0.032757	-0.020108	5.022	0.505017	-2.959	0.017255
24311	2.300	0.032757	-0.020108	-5.901	0.505017	-3.970	-0.028992
.							
24321	0	-0.001360	-0.014523	5.364	0.410499	-3.948	0.013986
24321	2.300	-0.001360	-0.014523	-5.558	0.410499	-4.171	-0.019415
.							
24331	0	-0.012376	-0.008679	5.695	0.283336	-4.750	0.009334
24331	2.300	-0.012376	-0.008679	-5.227	0.283336	-4.212	-0.010626
.							
24341	0	-0.012324	-0.003504	5.907	0.141613	-5.248	0.004235

24341	2.300	-0.012324	-0.003504	-5.015	0.141613	-4.221	-0.003824
.							
24351	0	-0.007907	0.001976	5.980	-0.004829	-5.411	-0.001574
24351	2.300	-0.007907	0.001976	-4.942	-0.004829	-4.218	0.002971
.							
24361	0	0.001163	0.008582	5.913	-0.150518	-5.237	-0.008351
24361	2.300	0.001163	0.008582	-5.009	-0.150518	-4.198	0.011386
.							
24371	0	0.019593	0.016210	5.710	-0.290101	-4.734	-0.015695
24371	2.300	0.019593	0.016210	-5.212	-0.290101	-4.161	0.021586
.							
24381	0	0.051463	0.021748	5.396	-0.414185	-3.936	-0.020718
24381	2.300	0.051463	0.021748	-5.526	-0.414185	-4.086	0.029301
.							
24391	0	0.088766	0.016685	5.073	-0.505670	-2.960	-0.015939
24391	2.300	0.088766	0.016685	-5.349	-0.505670	-3.852	0.022434
.							
24401	0	0.087700	-0.067565	6.094	0.758815	-4.179	0.052891
24401	2.300	0.087700	-0.067565	-4.329	0.758815	-2.724	-0.102502
.							
24411	0	-0.013878	-0.019906	7.152	0.710903	-4.482	0.019429
24411	2.300	-0.013878	-0.019906	-3.771	0.710903	-0.594101	-0.026352
.							
24421	0	-0.020592	-0.004484	7.426	0.592206	-4.536	0.005528
24421	2.300	-0.020592	-0.004484	-3.497	0.592206	-0.017383	-0.004786
.							
24431	0	-0.017002	-0.000247	7.518	0.420217	-4.565	0.000490
24431	2.300	-0.017002	-0.000247	-3.404	0.420217	0.165004	-7.78E-05
.							
24441	0	-0.015443	0.001520	7.557	0.211532	-4.588	-0.001692
24441	2.300	-0.015443	0.001520	-3.365	0.211532	0.232500	0.001803
.							
24451	0	-0.014239	0.003950	7.567	-0.016183	-4.591	-0.004442
24451	2.300	-0.014239	0.003950	-3.356	-0.016183	0.251785	0.004642
.							
24461	0	-0.012324	0.008978	7.548	-0.244495	-4.563	-0.010124
24461	2.300	-0.012324	0.008978	-3.375	-0.244495	0.235144	0.010525
.							
24471	0	-0.006820	0.019050	7.497	-0.454854	-4.511	-0.020897
24471	2.300	-0.006820	0.019050	-3.425	-0.454854	0.170727	0.022916
.							
24481	0	0.017581	0.036488	7.391	-0.629186	-4.444	-0.037140
24481	2.300	0.017581	0.036488	-3.531	-0.629186	-0.005777	0.046780
.							
24491	0	0.092410	0.049854	7.104	-0.750090	-4.343	-0.046114
24491	2.300	0.092410	0.049854	-3.818	-0.750090	-0.563054	0.068545
.							
24501	0	0.075233	0.037098	4.365	0.798776	-2.616	-0.055865
24501	2.300	0.075233	0.037098	-6.057	0.798776	-3.987	0.029457
.							
24601	0	0.083679	0.008315	5.831	0.538809	-2.993	-0.012623
24601	2.300	0.083679	0.008315	-5.092	0.538809	-2.143	0.006502
.							
24701	0	0.099438	-0.009926	5.092	-0.538807	-2.143	0.008869
24701	2.300	0.099438	-0.009926	-5.831	-0.538807	-2.993	-0.013959
.							
24801	0	0.143432	-0.038399	6.057	-0.798774	-3.987	0.031155
24801	2.300	0.143432	-0.038399	-4.865	-0.798774	-2.616	-0.057160
.							

25101	0	0.027098	0.028346	4.380	-0.520736	-2.366	-0.042121
25101	2.300	0.027098	0.028346	-5.413	-0.520736	-3.555	0.023073
.							
25111	0	-0.001362	-0.000391	3.490	-0.480951	-0.577534	0.000981
25111	2.300	-0.001362	-0.000391	-6.303	-0.480951	-3.811	8.13E-05
.							
25121	0	0.008354	-0.007349	3.245	-0.380980	-0.037661	0.009288
25121	2.300	0.008354	-0.007349	-6.548	-0.380980	-3.835	-0.007613
.							
25131	0	0.013006	-0.007766	3.173	-0.235373	0.148771	0.008989
25131	2.300	0.013006	-0.007766	-6.620	-0.235373	-3.814	-0.008872
.							
25141	0	0.012320	-0.005956	3.161	-0.057508	0.223291	0.006688
25141	2.300	0.012320	-0.005956	-6.632	-0.057508	-3.768	-0.007011
.							
25151	0	0.012315	-0.003159	3.185	0.138635	0.251301	0.003555
25151	2.300	0.012315	-0.003159	-6.608	0.138635	-3.684	-0.003710
.							
25161	0	0.012599	2.72E-05	3.246	0.338209	0.249026	1.66E-05
25161	2.300	0.012599	2.72E-05	-6.547	0.338209	-3.547	7.92E-05
.							
25171	0	0.013303	0.003409	3.348	0.525465	0.216284	-0.003908
25171	2.300	0.013303	0.003409	-6.445	0.525465	-3.346	0.003932
.							
25181	0	0.010854	0.007390	3.504	0.683590	0.135100	-0.009208
25181	2.300	0.010854	0.007390	-6.289	0.683590	-3.067	0.007789
.							
25191	0	-0.004870	0.012174	3.781	0.794307	-0.081432	-0.016816
25191	2.300	-0.004870	0.012174	-6.012	0.794307	-2.646	0.011182
.							
25201	0	0.064683	0.004865	5.232	-0.391047	-2.689	-0.008231
25201	2.300	0.064683	0.004865	-4.561	-0.391047	-1.916	0.002957
.							
25211	0	0.037424	-0.000672	5.301	-0.364979	-3.344	-0.001841
25211	2.300	0.037424	-0.000672	-4.492	-0.364979	-2.414	-0.003387
.							
25221	0	0.018047	-0.006001	5.087	-0.292617	-3.492	0.005408
25221	2.300	0.018047	-0.006001	-4.706	-0.292617	-3.055	-0.008393
.							
25231	0	0.008406	-0.007058	4.854	-0.193008	-3.486	0.007451
25231	2.300	0.008406	-0.007058	-4.939	-0.193008	-3.585	-0.008783
.							
25241	0	0.004604	-0.004616	4.689	-0.080779	-3.432	0.005060
25241	2.300	0.004604	-0.004616	-5.104	-0.080779	-3.908	-0.005557
.							
25251	0	0.003632	-0.000371	4.613	0.034016	-3.348	0.000363
25251	2.300	0.003632	-0.000371	-5.180	0.034016	-4.000	-0.000490
.							
25261	0	0.003807	0.004517	4.619	0.144257	-3.229	-0.005219
25261	2.300	0.003807	0.004517	-5.174	0.144257	-3.866	0.005168
.							
25271	0	0.003705	0.009223	4.699	0.243922	-3.070	-0.010766
25271	2.300	0.003705	0.009223	-5.094	0.243922	-3.525	0.010446
.							
25281	0	0.001484	0.012616	4.843	0.326469	-2.879	-0.015006
25281	2.300	0.001484	0.012616	-4.950	0.326469	-3.003	0.014010
.							
25291	0	-0.004458	0.013051	5.060	0.383532	-2.698	-0.015900
25291	2.300	-0.004458	0.013051	-4.733	0.383532	-2.322	0.014116

```
.
25301       0  0.080007 -0.008870     4.561  0.391048    -1.916  0.007760
25301   2.300  0.080007 -0.008870    -5.232  0.391048    -2.689 -0.012640
.
25311       0  0.047027 -0.015070     4.492  0.364980    -2.414  0.013721
25311   2.300  0.047027 -0.015070    -5.301  0.364980    -3.344 -0.020938
.
25321       0  0.017510 -0.013363     4.706  0.292617    -3.055  0.012900
25321   2.300  0.017510 -0.013363    -5.087  0.292617    -3.492 -0.017834
.
25331       0  0.001320 -0.008729     4.939  0.193009    -3.585  0.008895
25331   2.300  0.001320 -0.008729    -4.854  0.193009    -3.486 -0.011182
.
25341       0 -0.004911 -0.003576     5.104  0.080779    -3.908  0.003728
25341   2.300 -0.004911 -0.003576    -4.689  0.080779    -3.432 -0.004496
.
25351       0 -0.006551  0.001477     5.180 -0.034015    -4.000 -0.001786
25351   2.300 -0.006551  0.001477    -4.613 -0.034015    -3.348  0.001611
.
25361       0 -0.006699  0.006357     5.174 -0.144257    -3.866 -0.007285
25361   2.300 -0.006699  0.006357    -4.619 -0.144257    -3.229  0.007335
.
25371       0 -0.005989  0.010799     5.094 -0.243922    -3.525 -0.012241
25371   2.300 -0.005989  0.010799    -4.699 -0.243922    -3.070  0.012597
.
25381       0 -0.003377  0.013876     4.950 -0.326469    -3.003 -0.015479
25381   2.300 -0.003377  0.013876    -4.843 -0.326469    -2.879  0.016434
.
25391       0  0.002353  0.013992     4.733 -0.383531    -2.322 -0.015290
25391   2.300  0.002353  0.013992    -5.060 -0.383531    -2.698  0.016889
.
25401       0  0.083515 -0.031559     5.413  0.520735    -3.555  0.026755
25401   2.300  0.083515 -0.031559    -4.380  0.520735    -2.366 -0.045829
.
25411       0  0.013201 -0.026432     6.303  0.480951    -3.811  0.025893
25411   2.300  0.013201 -0.026432    -3.490  0.480951 -0.577534 -0.034899
.
25421       0 -0.006787 -0.014385     6.548  0.380980    -3.835  0.015479
25421   2.300 -0.006787 -0.014385    -3.245  0.380980 -0.037662 -0.017605
.
25431       0 -0.011867 -0.006362     6.620  0.235373    -3.814  0.007179
25431   2.300 -0.011867 -0.006362    -3.173  0.235373  0.148769 -0.007453
.
25441       0 -0.012577 -0.001556     6.632  0.057508    -3.768  0.001749
25441   2.300 -0.012577 -0.001556    -3.161  0.057508  0.223294 -0.001831
.
25451       0 -0.012944  0.001673     6.608 -0.138635    -3.684 -0.002000
25451   2.300 -0.012944  0.001673    -3.185 -0.138635  0.251301  0.001849
.
25461       0 -0.013586  0.004266     6.547 -0.338209    -3.547 -0.005026
25461   2.300 -0.013586  0.004266    -3.246 -0.338209  0.249026  0.004785
.
25471       0 -0.014210  0.006792     6.445 -0.525465    -3.346 -0.007854
25471   2.300 -0.014210  0.006792    -3.348 -0.525465  0.216287  0.007766
.
25481       0 -0.011612  0.009945     6.289 -0.683589    -3.067 -0.010755
25481   2.300 -0.011612  0.009945    -3.504 -0.683589  0.135101  0.012118
.
25491       0  0.004067  0.013967     6.012 -0.794307    -2.646 -0.013294
25491   2.300  0.004067  0.013967    -3.781 -0.794307 -0.081430  0.018828
.
25501       0 -0.040833  0.011337     4.525  0.836829 -0.861041 -0.016887
25501   2.300 -0.040833  0.011337    -5.268  0.836829    -1.714  0.009187
.
25601       0 -0.013674  0.010185     5.479  0.403897    -2.771 -0.012804
25601   2.300 -0.013674  0.010185    -4.314  0.403897    -1.430  0.010620
.
25701       0  0.010552  0.010855     4.314 -0.403897    -1.430 -0.011563
25701   2.300  0.010552  0.010855    -5.479 -0.403897    -2.771  0.013403
.
25801       0  0.039571  0.012477     5.268 -0.836829    -1.714 -0.010593
25801   2.300  0.039571  0.012477    -4.525 -0.836829 -0.861039  0.018103
.
.ID Hip¢tesi  22
.SK 4
.TP 20
CARGAS:                          ''                                  Ejec.  "HIP"
=============================================================================
Hip¢tesis      Factor         Etapa       T¡tulo
 22            1.0000                     Recl¢gicas
=============================================================================
.ID REA3,STATIK2,1.58
.UN  M,KN
.EL !LHIP.010
.SK 3
.TP 12
.TK 4
REACCIONES EN APOYOS:
NUDOS            FX          FY          FZ          MX          MY          MZ
                [kN]        [kN]        [kN]       [kNm]       [kNm]       [kNm]
-----------------------------------------------------------------------------
 1101       -34.665  -0.000657      -1.311
 1201       -34.667  -0.000438      -1.505
 1301       -34.667  -4.59E-07      -1.584
 1401       -34.667   0.000438      -1.505
 1501       -34.665   0.000657      -1.311
 5111        34.665  -0.000657      -1.311
 5211        34.667  -0.000438      -1.505
 5311        34.667  -4.59E-07      -1.584
 5411        34.667   0.000438      -1.505
 5511        34.665   0.000657      -1.311
11113      -191.669  -3.25E-06      -1.836   3.91E-05  -1778.136   0.003215
11313       -71.133   4.50E-06       9.051  -6.46E-05   -659.005   0.000843
11513        71.133   4.50E-06       9.051  -6.46E-05    659.005  -0.000843
11713       191.669  -3.25E-06      -1.836   3.91E-05   1778.137  -0.003215
. ----------------------------------------
. Sumas:  -1.53E-05  -1.53E-10  -2.38E-07
.ID SKR3,STATIK2,1.58
.UN  M,KN
.EL !LHIP.010
.SK 3
.TP 12
.TK 4
ESFUERZOS:
Barra Distancia          N          Vy          Vz          Mx          My          Mz
          [m]       [kN]        [kN]        [kN]       [kNm]       [kNm]       [kNm]
-----------------------------------------------------------------------------
 1101       0     33.905  -0.672727      -1.330   0.025392  -0.023575   0.785653
```

1101	1.270	33.905	-0.672727	-1.330	0.025392	-1.713	-0.068677
1102	0	33.139	-0.761555	-1.328	0.029444	-1.736	0.726146
1102	1.270	33.139	-0.761555	-1.328	0.029444	-3.423	-0.240990
1103	0	32.459	-0.658204	-1.318	0.027754	-3.444	0.526353
1103	1.270	32.459	-0.658204	-1.318	0.027754	-5.118	-0.308932
1104	0	31.905	-0.503679	-1.301	0.023330	-5.137	0.330868
1104	1.270	31.905	-0.503679	-1.301	0.023330	-6.789	-0.308779
1105	0	31.523	-0.312954	-1.278	0.016472	-6.803	0.121954
1105	1.270	31.523	-0.312954	-1.278	0.016472	-8.426	-0.275481
1106	0	31.374	-0.042621	-1.249	0.006735	-8.435	-0.151358
1106	1.270	31.374	-0.042621	-1.249	0.006735	-10.021	-0.205985
1107	0	31.687	0.404116	-1.215	-0.006634	-10.022	-0.548624
1107	1.270	31.687	0.404116	-1.215	-0.006634	-11.565	-0.035417
1108	0	32.507	1.244	-1.177	-0.024422	-11.556	-1.055
1108	1.270	32.507	1.244	-1.177	-0.024422	-13.050	0.523881
1109	0	33.890	2.972	-1.138	-0.046432	-13.027	-1.178
1109	1.270	33.890	2.972	-1.138	-0.046432	-14.472	2.597
1110	0	34.634	6.109	-1.109	-0.066622	-14.430	1.640
1110	1.270	34.634	6.109	-1.109	-0.066622	-15.838	9.398
1201	0	35.383	-0.674734	-1.492	0.028745	0.013474	0.940213
1201	1.270	35.383	-0.674734	-1.492	0.028745	-1.881	0.083335
1202	0	35.962	-0.974312	-1.491	0.031527	-1.868	1.069
1202	1.270	35.962	-0.974312	-1.491	0.031527	-3.761	-0.168074
1203	0	36.410	-0.959621	-1.497	0.028435	-3.749	0.841720
1203	1.270	36.410	-0.959621	-1.497	0.028435	-5.649	-0.376951
1204	0	36.805	-0.788964	-1.507	0.022624	-5.638	0.505615
1204	1.270	36.805	-0.788964	-1.507	0.022624	-7.551	-0.496330
1205	0	37.015	-0.535867	-1.523	0.014360	-7.541	0.109728
1205	1.270	37.015	-0.535867	-1.523	0.014360	-9.475	-0.570796
1206	0	37.121	-0.120795	-1.546	0.003449	-9.468	-0.417409
1206	1.270	37.121	-0.120795	-1.546	0.003449	-11.432	-0.570812
1207	0	36.956	0.717021	-1.579	-0.010305	-11.429	-1.121
1207	1.270	36.956	0.717021	-1.579	-0.010305	-13.434	-0.210728
1208	0	36.521	2.350	-1.621	-0.026842	-13.438	-1.719
1208	1.270	36.521	2.350	-1.621	-0.026842	-15.497	1.265
1209	0	35.652	4.826	-1.670	-0.044805	-15.510	-0.988068
1209	1.270	35.652	4.826	-1.670	-0.044805	-17.630	5.140
1210	0	35.020	7.043	-1.713	-0.055466	-17.657	4.314
1210	1.270	35.020	7.043	-1.713	-0.055466	-19.833	13.258

1301	0	34.804	-0.000637	-1.572	1.24E-07	0.020054	0.000639
1301	1.270	34.804	-0.000637	-1.572	1.24E-07	-1.976	-0.000170
1302	0	35.120	-0.000915	-1.576	5.08E-07	-1.957	0.000731
1302	1.270	35.120	-0.000915	-1.576	5.08E-07	-3.959	-0.000431
1303	0	35.515	-0.000965	-1.587	7.79E-07	-3.941	0.000632
1303	1.270	35.515	-0.000965	-1.587	7.79E-07	-5.957	-0.000594
1304	0	35.962	-0.000928	-1.601	8.01E-07	-5.942	0.000506
1304	1.270	35.962	-0.000928	-1.601	8.01E-07	-7.975	-0.000673
1305	0	36.252	-0.000890	-1.615	5.56E-07	-7.966	0.000386
1305	1.270	36.252	-0.000890	-1.615	5.56E-07	-10.016	-0.000744
1306	0	36.305	-0.000848	-1.625	-1.03E-08	-10.012	0.000206
1306	1.270	36.305	-0.000848	-1.625	-1.03E-08	-12.076	-0.000871
1307	0	36.035	-0.000664	-1.627	-9.13E-07	-12.080	-0.000160
1307	1.270	36.035	-0.000664	-1.627	-9.13E-07	-14.146	-0.001004
1308	0	35.284	-2.32E-05	-1.619	-1.80E-06	-14.159	-0.000809
1308	1.270	35.284	-2.32E-05	-1.619	-1.80E-06	-16.215	-0.000838
1309	0	34.230	0.001313	-1.600	-1.41E-06	-16.238	-0.001587
1309	1.270	34.230	0.001313	-1.600	-1.41E-06	-18.269	8.05E-05
1310	0	34.046	0.002816	-1.571	1.41E-06	-18.300	-0.001908
1310	1.270	34.046	0.002816	-1.571	1.41E-06	-20.295	0.001668
1401	0	35.383	0.673435	-1.492	-0.028742	0.013473	-0.939015
1401	1.270	35.383	0.673435	-1.492	-0.028742	-1.881	-0.083787
1402	0	35.962	0.972683	-1.491	-0.031527	-1.868	-1.069
1402	1.270	35.962	0.972683	-1.491	-0.031527	-3.761	0.167186
1403	0	36.410	0.958038	-1.497	-0.028437	-3.749	-0.841810
1403	1.270	36.410	0.958038	-1.497	-0.028437	-5.649	0.375849
1404	0	36.805	0.787453	-1.507	-0.022626	-5.638	-0.504881
1404	1.270	36.805	0.787453	-1.507	-0.022626	-7.551	0.495144
1405	0	37.015	0.534407	-1.523	-0.014361	-7.541	-0.109104
1405	1.270	37.015	0.534407	-1.523	-0.014361	-9.475	0.569565
1406	0	37.121	0.119323	-1.546	-0.003448	-9.468	0.417920
1406	1.270	37.121	0.119323	-1.546	-0.003448	-11.432	0.569454
1407	0	36.983	-0.718672	-1.579	0.010309	-11.429	1.122
1407	1.270	36.983	-0.718672	-1.579	0.010309	-13.434	0.208873
1408	0	36.494	-2.352	-1.621	0.026850	-13.438	1.719
1408	1.270	36.494	-2.352	-1.621	0.026850	-15.497	-1.268
1409	0	35.652	-4.826	-1.670	0.044811	-15.510	0.985444
1409	1.270	35.652	-4.826	-1.670	0.044811	-17.630	-5.143
1410	0	35.020	-7.037	-1.713	0.055449	-17.657	-4.319
1410	1.270	35.020	-7.037	-1.713	0.055449	-19.833	-13.255

1501	0	33.862	0.674662	-1.330	-0.025389	-0.023576	-0.784894
1501	1.270	33.862	0.674662	-1.330	-0.025389	-1.713	0.071892
1502	0	33.182	0.764097	-1.328	-0.029445	-1.736	-0.722055
1502	1.270	33.182	0.764097	-1.328	-0.029445	-3.423	0.248309
1503	0	32.459	0.660751	-1.318	-0.027757	-3.444	-0.518881
1503	1.270	32.459	0.660751	-1.318	-0.027757	-5.118	0.320239
1504	0	31.905	0.506117	-1.301	-0.023334	-5.137	-0.318841
1504	1.270	31.905	0.506117	-1.301	-0.023334	-6.789	0.323902
1505	0	31.523	0.315302	-1.278	-0.016473	-6.803	-0.106097
1505	1.270	31.523	0.315302	-1.278	-0.016473	-8.426	0.294321
1506	0	31.395	0.044938	-1.249	-0.006733	-8.435	0.171453
1506	1.270	31.395	0.044938	-1.249	-0.006733	-10.021	0.228522
1507	0	31.666	-0.401804	-1.215	0.006641	-10.022	0.571992
1507	1.270	31.666	-0.401804	-1.215	0.006641	-11.565	0.061721
1508	0	32.528	-1.242	-1.177	0.024434	-11.555	1.083
1508	1.270	32.528	-1.242	-1.177	0.024434	-13.050	-0.494114
1509	0	33.890	-2.973	-1.138	0.046439	-13.026	1.209
1509	1.270	33.890	-2.973	-1.138	0.046439	-14.472	-2.567
1510	0	34.634	-6.117	-1.109	0.066599	-14.430	-1.609
1510	1.270	34.634	-6.117	-1.109	0.066599	-15.838	-9.378
2101	0	60.026	6.034	-1.443	-0.053330	15.842	-9.339
2101	1.390	60.026	6.034	-1.443	-0.053330	13.836	-0.951185
2102	0	61.085	2.746	-1.477	-0.031736	13.872	-2.338
2102	1.390	61.085	2.746	-1.477	-0.031736	11.819	1.479
2103	0	62.717	1.138	-1.518	-0.009710	11.834	-0.524036
2103	1.390	62.717	1.138	-1.518	-0.009710	9.724	1.057
2104	0	63.669	0.439834	-1.554	0.006608	9.724	-0.085903
2104	1.390	63.669	0.439834	-1.554	0.006608	7.565	0.525442
2105	0	64.097	0.150793	-1.582	0.017335	7.554	0.007332
2105	1.390	64.097	0.150793	-1.582	0.017335	5.355	0.216926
2106	0	64.301	0.089569	-1.601	0.023338	5.339	-0.034831
2106	1.390	64.301	0.089569	-1.601	0.023339	3.113	0.089664
2107	0	64.505	0.190603	-1.611	0.025240	3.094	-0.168099
2107	1.390	64.505	0.190603	-1.611	0.025240	0.855001	0.096829
2108	0	64.913	0.461983	-1.611	0.023355	0.835129	-0.378253
2108	1.390	64.913	0.461983	-1.611	0.023355	-1.404	0.263877
2109	0	65.583	1.030	-1.603	0.018195	-1.421	-0.549116
2109	1.390	65.583	1.030	-1.603	0.018195	-3.649	0.882743
2110	0	66.176	2.105	-1.590	0.012923	-3.659	0.162953
2110	1.390	66.176	2.105	-1.590	0.012923	-5.870	3.089
2201	0	81.341	7.049	-2.098	-0.045336	19.843	-13.129
2201	1.390	81.341	7.049	-2.098	-0.045336	16.927	-3.332
2202	0	80.511	4.598	-2.045	-0.031854	16.904	-4.704
2202	1.390	80.511	4.598	-2.045	-0.031854	14.062	1.686
2203	0	79.597	2.116	-1.991	-0.013242	14.055	-1.111
2203	1.390	79.597	2.116	-1.991	-0.013242	11.287	1.831
2204	0	79.116	0.714123	-1.949	0.002136	11.290	0.050138
2204	1.390	79.116	0.714123	-1.949	0.002136	8.581	1.043
2205	0	78.959	0.168916	-1.921	0.013150	8.590	0.195420
2205	1.390	78.959	0.168916	-1.921	0.013150	5.920	0.430204
2206	0	78.863	0.082193	-1.907	0.019777	5.933	0.014302
2206	1.390	78.863	0.082193	-1.907	0.019777	3.283	0.128546
2207	0	78.779	0.281737	-1.905	0.022227	3.297	-0.283423
2207	1.390	78.779	0.281737	-1.905	0.022227	0.648097	0.108175
2208	0	78.551	0.796148	-1.916	0.020792	0.661699	-0.609359
2208	1.390	78.551	0.796148	-1.916	0.020792	-2.002	0.497242
2209	0	78.154	1.653	-1.937	0.015928	-1.990	-0.615888
2209	1.390	78.154	1.653	-1.937	0.015928	-4.683	1.682
2210	0	77.673	2.479	-1.964	0.009619	-4.676	0.811793
2210	1.390	77.673	2.479	-1.964	0.009619	-7.406	4.358
2301	0	82.279	0.002734	-1.970	1.75E-06	20.308	-0.001612
2301	1.390	82.279	0.002734	-1.970	1.75E-06	17.570	0.002188
2302	0	81.786	0.000999	-2.007	-1.11E-06	17.543	-1.31E-05
2302	1.390	81.786	0.000999	-2.007	-1.11E-06	14.754	0.001376
2303	0	80.367	-0.000387	-2.033	-1.14E-06	14.737	0.000927
2303	1.390	80.367	-0.000387	-2.033	-1.14E-06	11.911	0.000388
2304	0	79.404	-0.000947	-2.046	-2.19E-07	11.904	0.001058
2304	1.390	79.404	-0.000947	-2.046	-2.19E-07	9.081	-0.000258
2305	0	78.911	-0.001066	-2.046	3.96E-07	9.063	0.000917
2305	1.390	78.911	-0.001066	-2.046	3.96E-07	6.220	-0.000565
2306	0	78.671	-0.001076	-2.036	4.97E-07	6.228	0.000779
2306	1.390	78.671	-0.001076	-2.036	4.97E-07	3.398	-0.000716
2307	0	78.430	-0.001042	-2.019	1.96E-07	3.410	0.000625
2307	1.390	78.430	-0.001042	-2.019	1.96E-07	0.602779	-0.000822
2308	0	78.069	-0.000835	-1.997	-2.78E-07	0.614826	0.000344
2308	1.390	78.069	-0.000835	-1.997	-2.78E-07	-2.161	-0.000817
2309	0	77.540	-0.000279	-1.971	-4.22E-07	-2.151	-0.000103
2309	1.390	77.540	-0.000279	-1.971	-4.22E-07	-4.891	-0.000491

2310	0	77.300	0.000487	-1.943	4.02E-07	-4.883	-0.000546
2310	1.390	77.300	0.000487	-1.943	4.02E-07	-7.583	0.000130
2401	0	81.341	-7.044	-2.098	0.045321	19.843	13.127
2401	1.390	81.341	-7.044	-2.098	0.045321	16.927	3.337
2402	0	80.511	-4.599	-2.045	0.031861	16.904	4.708
2402	1.390	80.511	-4.599	-2.045	0.031861	14.062	-1.685
2403	0	79.597	-2.119	-1.991	0.013250	14.055	1.114
2403	1.390	79.597	-2.119	-1.991	0.013250	11.287	-1.831
2404	0	79.140	-0.716073	-1.949	-0.002132	11.290	-0.048312
2404	1.390	79.140	-0.716073	-1.949	-0.002132	8.581	-1.044
2405	0	78.935	-0.170744	-1.921	-0.013149	8.590	-0.193947
2405	1.390	78.935	-0.170744	-1.921	-0.013149	5.920	-0.431272
2406	0	78.863	-0.084040	-1.907	-0.019777	5.933	-0.012918
2406	1.390	78.863	-0.084040	-1.907	-0.019777	3.283	-0.129728
2407	0	78.779	-0.283669	-1.905	-0.022226	3.296	0.284712
2407	1.390	78.779	-0.283669	-1.905	-0.022226	0.648081	-0.109571
2408	0	78.563	-0.798213	-1.916	-0.020790	0.661673	0.610352
2408	1.390	78.563	-0.798213	-1.916	-0.020790	-2.002	-0.499119
2409	0	78.142	-1.655	-1.937	-0.015927	-1.990	0.616030
2409	1.390	78.142	-1.655	-1.937	-0.015927	-4.683	-1.684
2410	0	77.673	-2.478	-1.964	-0.009626	-4.676	-0.913107
2410	1.390	77.673	-2.478	-1.964	-0.009626	-7.406	-4.358
2501	0	60.026	-6.043	-1.443	0.053309	15.842	9.319
2501	1.390	60.026	-6.043	-1.443	0.053309	13.836	0.919858
2502	0	61.085	-2.745	-1.477	0.031745	13.872	2.308
2502	1.390	61.085	-2.745	-1.477	0.031745	11.819	-1.508
2503	0	62.717	-1.135	-1.518	0.009722	11.834	0.497164
2503	1.390	62.717	-1.135	-1.518	0.009722	9.724	-1.081
2504	0	63.669	-0.436941	-1.554	-0.006602	9.724	0.064024
2504	1.390	63.669	-0.436941	-1.554	-0.006602	7.565	-0.543299
2505	0	64.087	-0.147903	-1.582	-0.017333	7.554	-0.024085
2505	1.390	64.087	-0.147903	-1.582	-0.017333	5.355	-0.229662
2506	0	64.291	-0.086650	-1.601	-0.023338	5.339	0.023159
2506	1.390	64.291	-0.086650	-1.601	-0.023338	3.113	-0.097280
2507	0	64.515	-0.187634	-1.610	-0.025239	3.094	0.161571
2507	1.390	64.515	-0.187634	-1.610	-0.025239	0.855048	-0.099230
2508	0	64.903	-0.459088	-1.611	-0.023353	0.835169	0.377064
2508	1.390	64.903	-0.459088	-1.611	-0.023353	-1.404	-0.261043
2509	0	65.593	-1.028	-1.603	-0.018194	-1.421	0.553520
2509	1.390	65.593	-1.028	-1.603	-0.018194	-3.649	-0.875604
2510	0	66.176	-2.106	-1.590	-0.012932	-3.659	-0.154195
2510	1.390	66.176	-2.106	-1.590	-0.012932	-5.870	-3.082
3101	0	74.737	1.968	0.095575	-0.041716	5.884	-3.044
3101	1.640	74.737	1.968	0.095575	-0.041716	6.040	0.183004
3102	0	75.437	0.796599	0.081649	-0.029115	6.072	-0.696532
3102	1.640	75.437	0.796599	0.081649	-0.029115	6.206	0.609839
3103	0	76.096	0.308986	0.060394	-0.018280	6.227	-0.185927
3103	1.640	76.096	0.308986	0.060394	-0.018280	6.326	0.320789
3104	0	76.399	0.108916	0.036740	-0.009932	6.339	-0.042812
3104	1.640	76.399	0.108916	0.036740	-0.009932	6.399	0.135802
3105	0	76.502	0.024870	0.012315	-0.003140	6.405	0.011291
3105	1.640	76.502	0.024870	0.012315	-0.003140	6.425	0.052076
3106	0	76.502	-0.024870	-0.012333	0.003140	6.425	0.052076
3106	1.640	76.502	-0.024870	-0.012333	0.003140	6.405	0.011291
3107	0	76.399	-0.108916	-0.036748	0.009932	6.399	0.135802
3107	1.640	76.399	-0.108916	-0.036748	0.009932	6.339	-0.042812
3108	0	76.096	-0.308986	-0.060391	0.018280	6.326	0.320789
3108	1.640	76.096	-0.308986	-0.060391	0.018280	6.227	-0.185927
3109	0	75.437	-0.796600	-0.081630	0.029115	6.206	0.609839
3109	1.640	75.437	-0.796600	-0.081630	0.029115	6.072	-0.696532
3110	0	74.737	-1.968	-0.095586	0.041716	6.041	0.183005
3110	1.640	74.737	-1.968	-0.095586	0.041716	5.884	-3.044
3201	0	95.351	2.405	-0.075774	-0.031605	7.320	-4.293
3201	1.640	95.351	2.405	-0.075774	-0.031605	7.195	-0.349485
3202	0	94.903	1.393	-0.061631	-0.026891	7.175	-1.396
3202	1.640	94.903	1.393	-0.061631	-0.026891	7.074	0.889276
3203	0	94.569	0.554711	-0.042669	-0.018537	7.062	-0.310070
3203	1.640	94.569	0.554711	-0.042669	-0.018537	6.992	0.599619
3204	0	94.435	0.169209	-0.024389	-0.010670	6.985	0.001490
3204	1.640	94.435	0.169209	-0.024389	-0.010670	6.945	0.278982
3205	0	94.394	0.033711	-0.007907	-0.003472	6.942	0.069856
3205	1.640	94.394	0.033711	-0.007907	-0.003472	6.929	0.125139
3206	0	94.395	-0.033711	0.007867	0.003472	6.929	0.125139
3206	1.640	94.395	-0.033711	0.007867	0.003472	6.942	0.069856
3207	0	94.435	-0.169209	0.024419	0.010670	6.945	0.278982
3207	1.640	94.435	-0.169209	0.024419	0.010670	6.985	0.001490
3208	0	94.569	-0.554711	0.042715	0.018537	6.992	0.599619
3208	1.640	94.569	-0.554711	0.042715	0.018537	7.062	-0.310070
3209	0	94.903	-1.393	0.061632	0.026891	7.074	0.889277

3209	1.640	94.903	-1.393	0.061632	0.026891	7.175	-1.396
3210	0	95.351	-2.405	0.075740	0.031605	7.195	-0.349485
3210	1.640	95.351	-2.405	0.075740	0.031605	7.320	-4.293
3301	0	95.953	0.001082	-0.039634	6.53E-07	7.491	-0.000984
3301	1.640	95.953	0.001082	-0.039634	6.53E-07	7.426	0.000791
3302	0	95.453	0.000610	-0.039961	-2.63E-07	7.404	-0.000404
3302	1.640	95.453	0.000610	-0.039961	-2.63E-07	7.338	0.000596
3303	0	94.806	0.000201	-0.035421	-1.57E-07	7.321	-1.50E-05
3303	1.640	94.806	0.000201	-0.035421	-1.57E-07	7.263	0.000315
3304	0	94.465	5.27E-05	-0.024714	3.02E-08	7.251	7.27E-05
3304	1.640	94.465	5.27E-05	-0.024714	3.02E-08	7.211	0.000159
3305	0	94.342	1.17E-05	-0.008889	3.74E-08	7.205	7.97E-05
3305	1.640	94.342	1.17E-05	-0.008889	3.74E-08	7.190	9.89E-05
3306	0	94.342	-1.17E-05	0.008837	-3.74E-08	7.190	9.89E-05
3306	1.640	94.342	-1.17E-05	0.008837	-3.74E-08	7.205	7.97E-05
3307	0	94.465	-5.27E-05	0.024732	-3.02E-08	7.211	0.000159
3307	1.640	94.465	-5.27E-05	0.024732	-3.02E-08	7.251	7.27E-05
3308	0	94.806	-0.000201	0.035454	1.57E-07	7.263	0.000315
3308	1.640	94.806	-0.000201	0.035454	1.57E-07	7.321	-1.50E-05
3309	0	95.453	-0.000610	0.039992	2.63E-07	7.338	0.000596
3309	1.640	95.453	-0.000610	0.039992	2.63E-07	7.404	-0.000404
3310	0	95.953	-0.001082	0.039635	-6.53E-07	7.427	0.000791
3310	1.640	95.953	-0.001082	0.039635	-6.53E-07	7.492	-0.000984
3401	0	95.356	-2.402	-0.075754	0.031601	7.320	4.291
3401	1.640	95.356	-2.402	-0.075754	0.031601	7.195	0.351143
3402	0	94.903	-1.393	-0.061657	0.026894	7.175	1.396
3402	1.640	94.903	-1.393	-0.061657	0.026894	7.074	-0.888574
3403	0	94.566	-0.554729	-0.042687	0.018540	7.062	0.310382
3403	1.640	94.566	-0.554729	-0.042687	0.018540	6.992	-0.599337
3404	0	94.434	-0.169174	-0.024402	0.010671	6.985	-0.001346
3404	1.640	94.434	-0.169174	-0.024402	0.010671	6.945	-0.278780
3405	0	94.393	-0.033692	-0.007881	0.003472	6.942	-0.069710
3405	1.640	94.393	-0.033692	-0.007881	0.003472	6.929	-0.124962
3406	0	94.393	0.033692	0.007840	-0.003472	6.929	-0.124962
3406	1.640	94.393	0.033692	0.007840	-0.003472	6.942	-0.069710
3407	0	94.434	0.169174	0.024429	-0.010671	6.945	-0.278780
3407	1.640	94.434	0.169174	0.024429	-0.010671	6.985	-0.001346
3408	0	94.566	0.554730	0.042661	-0.018540	6.992	-0.599338
3408	1.640	94.566	0.554730	0.042661	-0.018540	7.062	0.310382
3409	0	94.903	1.393	0.061681	-0.026894	7.074	-0.888575
3409	1.640	94.903	1.393	0.061681	-0.026894	7.175	1.396
3410	0	95.346	2.402	0.075764	-0.031601	7.195	0.351143
3410	1.640	95.346	2.402	0.075764	-0.031601	7.320	4.291
3501	0	74.737	-1.971	0.095587	0.041711	5.884	3.035
3501	1.640	74.737	-1.971	0.095587	0.041711	6.040	-0.197167
3502	0	75.437	-0.797363	0.081619	0.029119	6.072	0.683088
3502	1.640	75.437	-0.797363	0.081619	0.029119	6.206	-0.624535
3503	0	76.092	-0.309169	0.060393	0.018284	6.227	0.171653
3503	1.640	76.092	-0.309169	0.060393	0.018284	6.326	-0.335363
3504	0	76.397	-0.109004	0.036784	0.009934	6.339	0.028322
3504	1.640	76.397	-0.109004	0.036784	0.009934	6.399	-0.150437
3505	0	76.500	-0.024901	0.012328	0.003140	6.405	-0.025919
3505	1.640	76.500	-0.024901	0.012328	0.003140	6.425	-0.066754
3506	0	76.500	0.024901	-0.012345	-0.003140	6.425	-0.066754
3506	1.640	76.500	0.024901	-0.012345	-0.003140	6.405	-0.025919
3507	0	76.397	0.109004	-0.036733	-0.009934	6.399	-0.150437
3507	1.640	76.397	0.109004	-0.036733	-0.009934	6.339	0.028322
3508	0	76.092	0.309169	-0.060455	-0.018284	6.326	-0.335363
3508	1.640	76.092	0.309169	-0.060455	-0.018284	6.227	0.171653
3509	0	75.437	0.797364	-0.081624	-0.029119	6.206	-0.624536
3509	1.640	75.437	0.797364	-0.081624	-0.029119	6.072	0.683088
3510	0	74.737	1.971	-0.095560	-0.041712	6.040	-0.197168
3510	1.640	74.737	1.971	-0.095560	-0.041712	5.884	3.035
4101	0	66.176	-2.105	1.590	-0.012923	-5.870	3.089
4101	1.390	66.176	-2.105	1.590	-0.012923	-3.659	0.162951
4102	0	65.583	-1.030	1.603	-0.018195	-3.649	0.882744
4102	1.390	65.583	-1.030	1.603	-0.018195	-1.421	-0.549117
4103	0	64.913	-0.461985	1.611	-0.023355	-1.404	0.263879
4103	1.390	64.913	-0.461985	1.611	-0.023355	0.835074	-0.378255
4104	0	64.505	-0.190606	1.610	-0.025240	0.854963	0.096831
4104	1.390	64.505	-0.190606	1.610	-0.025240	3.093	-0.168101
4105	0	64.301	-0.089573	1.601	-0.023338	3.113	0.089667
4105	1.390	64.301	-0.089573	1.601	-0.023338	5.339	-0.034834
4106	0	64.097	-0.150799	1.582	-0.017335	5.355	0.216929
4106	1.390	64.097	-0.150799	1.582	-0.017335	7.554	0.007327
4107	0	63.669	-0.439841	1.554	-0.006608	7.564	0.525445
4107	1.390	63.669	-0.439841	1.554	-0.006608	9.724	-0.085909
4108	0	62.717	-1.138	1.518	0.009710	9.724	1.057
4108	1.390	62.717	-1.138	1.518	0.009710	11.834	-0.524044

4109	0	61.085	-2.746	1.477	0.031736	11.819	1.479
4109	1.390	61.085	-2.746	1.477	0.031736	13.872	-2.338
4110	0	60.035	-6.034	1.443	0.053331	13.836	-0.951171
4110	1.390	60.035	-6.034	1.443	0.053331	15.842	-9.339
4201	0	77.673	-2.479	1.964	-0.009619	-7.406	4.358
4201	1.390	77.673	-2.479	1.964	-0.009619	-4.676	0.911791
4202	0	78.154	-1.653	1.937	-0.015928	-4.683	1.682
4202	1.390	78.154	-1.653	1.937	-0.015928	-1.990	-0.615890
4203	0	78.551	-0.796151	1.916	-0.020791	-2.002	0.497244
4203	1.390	78.551	-0.796151	1.916	-0.020791	0.661708	-0.609361
4204	0	78.779	-0.281741	1.905	-0.022227	0.648092	0.108178
4204	1.390	78.779	-0.281741	1.905	-0.022227	3.297	-0.283426
4205	0	78.863	-0.082198	1.907	-0.019777	3.283	0.128549
4205	1.390	78.863	-0.082198	1.907	-0.019777	5.933	0.014297
4206	0	78.959	-0.168923	1.921	-0.013150	5.920	0.430207
4206	1.390	78.959	-0.168923	1.921	-0.013150	8.590	0.195414
4207	0	79.116	-0.714129	1.949	-0.002136	8.581	1.043
4207	1.390	79.116	-0.714129	1.949	-0.002136	11.290	0.050130
4208	0	79.597	-2.116	1.991	0.013242	11.287	1.831
4208	1.390	79.597	-2.116	1.991	0.013242	14.055	-1.111
4209	0	80.511	-4.598	2.045	0.031854	14.062	1.686
4209	1.390	80.511	-4.598	2.045	0.031854	16.904	-4.704
4210	0	81.353	-7.049	2.098	0.045337	16.927	-3.332
4210	1.390	81.353	-7.049	2.098	0.045337	19.843	-13.129
4301	0	77.300	-0.000487	1.943	-4.02E-07	-7.583	0.000139
4301	1.390	77.300	-0.000487	1.943	-4.02E-07	-4.883	-0.000546
4302	0	77.540	0.000279	1.971	4.22E-07	-4.891	-0.000491
4302	1.390	77.540	0.000279	1.971	4.22E-07	-2.151	-0.000103
4303	0	78.069	0.000835	1.997	2.78E-07	-2.161	-0.000817
4303	1.390	78.069	0.000835	1.997	2.78E-07	0.614809	0.000344
4304	0	78.430	0.001042	2.019	-1.96E-07	0.602782	-0.000822
4304	1.390	78.430	0.001042	2.019	-1.96E-07	3.410	0.000625
4305	0	78.671	0.001076	2.036	-4.97E-07	3.398	-0.000716
4305	1.390	78.671	0.001076	2.036	-4.97E-07	6.228	0.000779
4306	0	78.911	0.001066	2.046	-3.96E-07	6.220	-0.000565
4306	1.390	78.911	0.001066	2.046	-3.96E-07	9.063	0.000917
4307	0	79.404	0.000947	2.046	2.19E-07	9.061	-0.000258
4307	1.390	79.404	0.000947	2.046	2.19E-07	11.904	0.001058
4308	0	80.367	0.000387	2.033	1.14E-06	11.911	0.000388
4308	1.390	80.367	0.000387	2.033	1.14E-06	14.737	0.000927
4309	0	81.786	-0.000999	2.007	1.11E-06	14.753	0.001376
4309	1.390	81.786	-0.000999	2.007	1.11E-06	17.543	-1.31E-05
4310	0	82.291	-0.002734	1.970	-1.75E-06	17.570	0.002188
4310	1.390	82.291	-0.002734	1.970	-1.75E-06	20.308	-0.001612
4401	0	77.673	2.478	1.964	0.009626	-7.406	-4.358
4401	1.390	77.673	2.478	1.964	0.009626	-4.676	-0.913105
4402	0	78.142	1.655	1.937	0.015927	-4.683	-1.684
4402	1.390	78.142	1.655	1.937	0.015927	-1.990	0.616033
4403	0	78.563	0.798216	1.916	0.020790	-2.002	-0.499120
4403	1.390	78.563	0.798216	1.916	0.020790	0.661656	0.610354
4404	0	78.779	0.283673	1.905	0.022226	0.648066	-0.109574
4404	1.390	78.779	0.283673	1.905	0.022226	3.296	0.284715
4405	0	78.863	0.084045	1.907	0.019777	3.283	-0.129731
4405	1.390	78.863	0.084045	1.907	0.019777	5.933	-0.012913
4406	0	78.935	0.170751	1.921	0.013149	5.920	-0.431275
4406	1.390	78.935	0.170751	1.921	0.013149	8.590	-0.193940
4407	0	79.140	0.716080	1.949	0.002132	8.581	-1.044
4407	1.390	79.140	0.716080	1.949	0.002132	11.290	-0.048303
4408	0	79.597	2.119	1.991	-0.013250	11.287	-1.831
4408	1.390	79.597	2.119	1.991	-0.013250	14.055	1.114
4409	0	80.511	4.599	2.045	-0.031861	14.062	-1.685
4409	1.390	80.511	4.599	2.045	-0.031861	16.904	4.708
4410	0	81.353	7.044	2.098	-0.045321	16.927	3.337
4410	1.390	81.353	7.044	2.098	-0.045321	19.843	13.127
4501	0	66.176	2.106	1.591	0.012932	-5.870	-3.082
4501	1.390	66.176	2.106	1.591	0.012932	-3.659	-0.154193
4502	0	65.593	1.028	1.603	0.018194	-3.649	-0.875605
4502	1.390	65.593	1.028	1.603	0.018194	-1.421	0.553521
4503	0	64.903	0.459090	1.611	0.023353	-1.404	-0.261045
4503	1.390	64.903	0.459090	1.611	0.023353	0.835114	0.377065
4504	0	64.505	0.187637	1.610	0.025239	0.854984	-0.099232
4504	1.390	64.505	0.187637	1.610	0.025239	3.093	0.161573
4505	0	64.301	0.086654	1.601	0.023338	3.113	-0.097282
4505	1.390	64.301	0.086654	1.601	0.023338	5.339	0.023162
4506	0	64.087	0.147908	1.582	0.017333	5.355	-0.229665
4506	1.390	64.087	0.147908	1.582	0.017333	7.554	-0.024080
4507	0	63.669	0.436947	1.554	0.006602	7.564	-0.543302
4507	1.390	63.669	0.436947	1.554	0.006602	9.724	0.064030

4508	0	62.717	1.135	1.518	-0.009721	9.724	-1.081
4508	1.390	62.717	1.135	1.518	-0.009721	11.334	0.497172
4509	0	61.085	2.745	1.477	-0.031745	11.819	-1.508
4509	1.390	61.085	2.745	1.477	-0.031745	13.872	2.308
4510	0	60.016	6.043	1.443	-0.053309	13.836	0.919844
4510	1.390	60.016	6.043	1.443	-0.053309	15.842	9.319
5101	0	34.613	-6.109	1.109	0.066622	-15.838	9.398
5101	1.270	34.613	-6.109	1.109	0.066622	-14.430	1.640
5102	0	33.911	-2.972	1.138	0.046432	-14.472	2.597
5102	1.270	33.911	-2.972	1.138	0.046432	-13.027	-1.178
5103	0	32.507	-1.243	1.177	0.024422	-13.051	0.523852
5103	1.270	32.507	-1.243	1.177	0.024422	-11.556	-1.055
5104	0	31.677	-0.404064	1.215	0.006634	-11.565	-0.035443
5104	1.270	31.677	-0.404064	1.215	0.006634	-10.022	-0.548583
5105	0	31.379	0.042662	1.249	-0.006735	-10.021	-0.206021
5105	1.270	31.379	0.042662	1.249	-0.006735	-8.435	-0.151843
5106	0	31.528	0.312968	1.278	-0.016472	-8.426	-0.275501
5106	1.270	31.528	0.312968	1.278	-0.016472	-6.803	0.121952
5107	0	31.890	0.503662	1.301	-0.023330	-6.789	-0.308779
5107	1.270	31.890	0.503662	1.301	-0.023330	-5.137	0.330845
5108	0	32.464	0.658155	1.318	-0.027754	-5.118	-0.308918
5108	1.270	32.464	0.658155	1.318	-0.027754	-3.444	0.526904
5109	0	33.145	0.761480	1.328	-0.029444	-3.423	-0.240973
5109	1.270	33.145	0.761480	1.328	-0.029444	-1.736	0.726066
5110	0	33.910	0.672651	1.330	-0.025392	-1.713	-0.068673
5110	1.270	33.910	0.672651	1.330	-0.025392	-0.023556	0.785557
5201	0	34.994	-7.043	1.713	0.055466	-19.833	13.258
5201	1.270	34.994	-7.043	1.713	0.055466	-17.657	4.314
5202	0	35.652	-4.826	1.670	0.044805	-17.630	5.140
5202	1.270	35.652	-4.826	1.670	0.044805	-15.510	-0.988032
5203	0	36.521	-2.350	1.621	0.026842	-15.497	1.265
5203	1.270	36.521	-2.350	1.621	0.026842	-13.438	-1.719
5204	0	36.968	-0.716967	1.579	0.010305	-13.434	-0.210754
5204	1.270	36.968	-0.716967	1.579	0.010305	-11.429	-1.121
5205	0	37.126	0.120832	1.546	-0.003449	-11.432	-0.570849
5205	1.270	37.126	0.120832	1.546	-0.003449	-9.468	-0.417399
5206	0	37.021	0.535876	1.523	-0.014360	-9.475	-0.570820
5206	1.270	37.021	0.535876	1.523	-0.014360	-7.541	0.109714
5207	0	36.784	0.788934	1.507	-0.022624	-7.551	-0.496333
5207	1.270	36.784	0.788934	1.507	-0.022624	-5.638	0.505570
5208	0	36.416	0.959553	1.496	-0.028435	-5.649	-0.376944
5208	1.270	36.416	0.959553	1.496	-0.028435	-3.749	0.841637
5209	0	35.968	0.974224	1.491	-0.031527	-3.762	-0.168074
5209	1.270	35.968	0.974224	1.491	-0.031527	-1.868	1.069
5210	0	35.389	0.674668	1.492	-0.028745	-1.881	0.083316
5210	1.270	35.389	0.674668	1.492	-0.028745	0.013426	0.940107
5301	0	34.046	-0.002816	1.571	-1.41E-06	-20.295	0.001668
5301	1.270	34.046	-0.002816	1.571	-1.41E-06	-18.300	-0.001908
5302	0	34.230	-0.001313	1.600	1.41E-06	-18.269	8.05E-05
5302	1.270	34.230	-0.001313	1.600	1.41E-06	-16.238	-0.001587
5303	0	35.257	2.32E-05	1.619	1.80E-06	-16.215	-0.000838
5303	1.270	35.257	2.32E-05	1.619	1.80E-06	-14.159	-0.000809
5304	0	36.047	0.000664	1.627	9.13E-07	-14.146	-0.001004
5304	1.270	36.047	0.000664	1.627	9.13E-07	-12.080	-0.000160
5305	0	36.310	0.000848	1.625	1.03E-08	-12.076	-0.000871
5305	1.270	36.310	0.000848	1.625	1.03E-08	-10.012	0.000206
5306	0	36.258	0.000890	1.615	-5.56E-07	-10.016	-0.000744
5306	1.270	36.258	0.000890	1.615	-5.56E-07	-7.966	0.000386
5307	0	35.942	0.000928	1.601	-8.01E-07	-7.975	-0.000673
5307	1.270	35.942	0.000928	1.601	-8.01E-07	-5.942	0.000506
5308	0	35.521	0.000965	1.587	-7.79E-07	-5.957	-0.000594
5308	1.270	35.521	0.000965	1.587	-7.79E-07	-3.941	0.000632
5309	0	35.126	0.000915	1.576	-5.07E-07	-3.959	-0.000431
5309	1.270	35.126	0.000915	1.576	-5.07E-07	-1.957	0.000731
5310	0	34.810	0.000637	1.572	-1.24E-07	-1.976	-0.000170
5310	1.270	34.810	0.000637	1.572	-1.24E-07	0.019996	0.000639
5401	0	34.994	7.037	1.713	-0.055449	-19.833	-13.255
5401	1.270	34.994	7.037	1.713	-0.055449	-17.657	-4.319
5402	0	35.652	4.826	1.670	-0.044811	-17.630	-5.143
5402	1.270	35.652	4.826	1.670	-0.044811	-15.510	0.985407
5403	0	36.521	2.352	1.621	-0.026850	-15.497	-1.268
5403	1.270	36.521	2.352	1.621	-0.026850	-13.438	1.719
5404	0	36.968	0.718616	1.579	-0.010309	-13.434	0.208901
5404	1.270	36.968	0.718616	1.579	-0.010309	-11.429	1.122
5405	0	37.126	-0.119361	1.546	0.003448	-11.432	0.569492
5405	1.270	37.126	-0.119361	1.546	0.003448	-9.468	0.417910
5406	0	37.021	-0.534415	1.523	0.014361	-9.475	0.569589
5406	1.270	37.021	-0.534415	1.523	0.014361	-7.541	-0.109090
5407	0	36.784	-0.787423	1.507	0.022626	-7.551	0.495148

5407	1.270	36.784	-0.787423	1.507	0.022626	-5.638	-0.504837
.							
5408	0	36.416	-0.957970	1.497	0.028437	-5.649	0.375842
5408	1.270	36.416	-0.957970	1.497	0.028437	-3.749	-0.840728
.							
5409	0	35.968	-0.972595	1.491	0.031527	-3.762	0.167186
5409	1.270	35.968	-0.972595	1.491	0.031527	-1.868	-1.068
.							
5410	0	35.389	-0.673368	1.492	0.028742	-1.881	-0.083768
5410	1.270	35.389	-0.673368	1.492	0.028742	0.013405	-0.938908
.							
5501	0	34.634	6.117	1.109	-0.066599	-15.838	-9.378
5501	1.270	34.634	6.117	1.109	-0.066599	-14.430	-1.609
.							
5502	0	33.911	2.973	1.138	-0.046439	-14.472	-2.567
5502	1.270	33.911	2.973	1.138	-0.046439	-13.026	1.209
.							
5503	0	32.507	1.242	1.177	-0.024434	-13.050	-0.494085
5503	1.270	32.507	1.242	1.177	-0.024434	-11.556	1.083
.							
5504	0	31.677	0.401751	1.215	-0.006641	-11.565	0.061748
5504	1.270	31.677	0.401751	1.215	-0.006641	-10.022	0.571950
.							
5505	0	31.401	-0.044978	1.249	0.006733	-10.021	0.228558
5505	1.270	31.401	-0.044978	1.249	0.006733	-8.435	0.171438
.							
5506	0	31.528	-0.315317	1.278	0.016474	-8.426	0.294340
5506	1.270	31.528	-0.315317	1.278	0.016474	-6.803	-0.106095
.							
5507	0	31.890	-0.506100	1.301	0.023334	-6.789	0.323902
5507	1.270	31.890	-0.506100	1.301	0.023334	-5.137	-0.318818
.							
5508	0	32.464	-0.660703	1.318	0.027757	-5.118	0.320225
5508	1.270	32.464	-0.660703	1.318	0.027757	-3.444	-0.518832
.							
5509	0	33.145	-0.764022	1.328	0.029445	-3.423	0.248292
5509	1.270	33.145	-0.764022	1.328	0.029445	-1.736	-0.721975
.							
5510	0	33.910	-0.674586	1.330	0.025389	-1.713	0.071889
5510	1.270	33.910	-0.674586	1.330	0.025389	-0.023532	-0.784798
.							
11201	0	-1.126	0.000202	19.280	-19.746	-15.838	-0.022134
11201	0.825	-1.126	0.000202	19.280	-19.746	0.067365	-0.021967
.							
11202	0	1.460	-0.000843	19.159	-20.051	-15.791	0.004547
11202	0.825	1.460	-0.000843	19.159	-20.051	0.014697	0.003852
.							
11203	0	-19.118	0.000147	-1.149	-0.021974	-6.89E-06	19.746
11203	0.300	-19.118	0.000147	-1.149	-0.021974	-0.344558	19.746
.							
11204	0	19.124	0.000865	1.465	-0.003835	8.79E-06	20.051
11204	0.300	19.124	0.000865	1.465	-0.003835	0.439592	20.051
.							
11205	0	48.469	7.660	-2.18E-12	-0.026811	-2.62E-17	-3.538
11205	0.600	48.469	7.660	-2.18E-12	-0.026811	-1.31E-12	1.058
.							
11208	0	0.648738	-0.277088	58.914	19.155	0.651960	0.907829
11208	4.500	0.648738	-0.277088	58.914	19.155	265.753	-0.339019
.							
11209	0	0.648734	0.277089	58.914	-19.156	0.650787	-0.907825
11209	4.500	0.648734	0.277089	58.914	-19.156	265.755	0.339023
.							
11210	0	0.572708	-0.074793	66.435	-1.294	280.146	0.081503
11210	4.500	0.572708	-0.074793	66.435	-1.294	579.091	-0.255054
.							
11211	0	0.572696	0.074794	66.436	1.293	280.144	-0.081501
11211	4.500	0.572696	0.074794	66.436	1.293	579.092	0.255059
.							
11259	0	0.024941	4.87E-05	-7.41E-07	0.000305	-0.044523	49.761
11259	4.000	0.024941	4.87E-05	-7.41E-07	0.000305	-0.044526	49.761
.							
11260	0	-0.020034	-95.834	0.917842	-869.901	-0.767070	138.039
11260	2.000	-0.020034	-95.834	0.917842	-869.901	1.069	-53.621
.							
11261	0	-0.020031	95.835	-0.917824	869.902	1.069	-53.624
11261	2.000	-0.020031	95.835	-0.917824	869.902	-0.767074	138.038
.							
11270	0	1.836	3.25E-06	191.672	-0.003215	1739.803	3.85E-05
11270	0.200	1.836	3.25E-06	191.672	-0.003215	1778.136	3.91E-05
.							
11271	0	0.279335	-36.920	-0.033931	-23.559	0.065460	178.718
11271	4.924	0.279335	-36.920	-0.033931	-23.559	-0.101624	-3.086
.							
11272	0	0.279339	36.920	-0.033929	23.559	0.065454	-178.720
11272	4.924	0.279339	36.920	-0.033929	23.559	-0.101622	3.085
.							
11273	0	0.320991	-29.399	0.158373	-90.992	-0.441469	-131.197
11273	6.021	0.320991	-29.399	0.158373	-90.992	0.512027	-308.196
.							
11274	0	0.320996	29.399	0.158374	90.992	-0.441475	131.199
11274	6.021	0.320996	29.399	0.158374	90.992	0.512027	308.197
.							
11281	0	0.031171	-38.241	0.331913	-2.863	-0.018124	39.699
11281	2.310	0.031171	-38.241	0.331913	-2.863	0.748451	-48.623
.							
11282	0	0.056222	-77.384	0.720573	-6.395	0.736927	3.133
11282	0.301	0.056222	-77.384	0.720573	-6.395	0.953725	-20.150
.							
11283	0	-0.276114	-17.714	0.074039	-7.261	0.045880	-0.337049
11283	2.000	-0.276114	-17.714	0.074039	-7.261	0.193952	-35.763
.							
11284	0	-0.276112	17.714	-0.074043	7.262	0.193955	-35.765
11284	2.000	-0.276112	17.714	-0.074043	7.262	0.045875	-0.338768
.							
11285	0	0.056225	76.497	-0.720625	6.394	0.953724	-20.021
11285	0.301	0.056225	76.497	-0.720625	6.394	0.736910	2.995
.							
11286	0	0.031171	38.243	-0.331908	2.862	0.748441	-48.636
11286	2.310	0.031171	38.243	-0.331908	2.862	-0.018123	39.689
.							
11301	0	-1.590	0.001765	7.249	-7.386	-5.925	0.030729
11301	0.825	-1.590	0.001765	7.249	-7.386	0.054558	0.032185
.							
11302	0	-0.081082	0.001467	7.102	-7.625	-5.848	0.035724
11302	0.825	-0.081082	0.001467	7.102	-7.625	0.011331	0.036935
.							
11303	0	-7.115	0.001847	-1.591	0.032205	-9.54E-06	7.386
11303	0.300	-7.115	0.001847	-1.591	0.032205	-0.477209	7.386

```
.
11304       0     7.076 -0.001466 -0.091483 -0.036970 -5.49E-07     7.625
11304   0.300     7.076 -0.001466 -0.091483 -0.036970 -0.027444     7.624
.
11305       0    71.351     2.629  7.89E-13 -0.004964  9.47E-18    -1.761
11305   0.600    71.351     2.629  7.89E-13 -0.004964  4.73E-13 -0.183359
.
11308       0    -3.215     1.399    21.852     6.950 -0.047909    -4.590
11308   4.500    -3.215     1.399    21.852     6.950    98.281     1.707
.
11309       0    -3.215    -1.399    21.852    -6.950 -0.047557     4.590
11309   4.500    -3.215    -1.399    21.852    -6.950    98.281    -1.707
.
11310       0    -2.822  0.370567    24.645 -0.491613   103.699 -0.403726
11310   4.500    -2.822  0.370567    24.645 -0.491613   214.598     1.264
.
11311       0    -2.822 -0.370568    24.645  0.491434   103.699  0.403723
11311   4.500    -2.822 -0.370568    24.645  0.491434   214.599    -1.264
.
11359       0 -0.146531 -8.93E-05  2.36E-07  7.63E-05  0.225944    18.501
11359   4.000 -0.146581 -8.93E-05  2.36E-07  7.63E-05  0.225945    18.500
.
11360       0  0.100202    -35.566    -4.526  -322.389     3.784    51.195
11360   2.000  0.100202    -35.566    -4.526  -322.389    -5.267   -19.934
.
11361       0  0.100197     35.567     4.526   322.389    -5.267   -19.935
11361   2.000  0.100197     35.567     4.526   322.389     3.784    51.195
.
11370       0    -9.051 -4.50E-06    71.134 -0.000843   644.778 -6.37E-05
11370   0.200    -9.051 -4.50E-06    71.134 -0.000843   659.005 -6.46E-05
.
11371       0    -1.365    -13.715  0.156053    -8.725 -0.292459    66.220
11371   4.924    -1.365    -13.715  0.156053    -8.725  0.475984    -1.316
.
11372       0    -1.365     13.715  0.156052     8.725 -0.292452   -66.220
11372   4.924    -1.365     13.715  0.156052     8.725  0.475986     1.315
.
11373       0    -1.586    -10.921 -0.780267   -33.713     2.178   -48.496
11373   6.021    -1.586    -10.921 -0.780267   -33.713    -2.520  -114.247
.
11374       0    -1.586     10.921 -0.780269    33.713     2.178    48.496
11374   6.021    -1.586     10.921 -0.780269    33.713    -2.520   114.247
.
11381       0 -0.155969    -14.191    -1.664 -0.920535  0.069096    14.988
11381   2.310 -0.155969    -14.191    -1.664 -0.920535    -3.774   -17.787
.
11382       0 -0.278161    -28.438    -3.570    -2.056    -3.753     1.596
11382   0.301 -0.278161    -28.438    -3.570    -2.056    -4.832    -6.960
.
11383       0     1.395    -6.587 -0.365894    -2.632 -0.241865  0.167263
11383   2.000     1.395    -6.587 -0.365894    -2.632 -0.973623   -13.006
.
11384       0     1.395     6.586  0.365895     2.632 -0.973624   -13.006
11384   2.000     1.395     6.586  0.365895     2.632 -0.241863  0.165555
.
11385       0 -0.278162     28.375     3.570     2.056    -4.832    -6.952
11385   0.301 -0.278162     28.375     3.570     2.056    -3.758     1.586
.
11386       0 -0.155972     14.192     1.664  0.920196    -3.774   -17.792
```



```
11386   2.310 -0.155972     14.192     1.664  0.920196  0.069102    14.985
.
11401       0 -0.081091  0.001400    -7.114     7.625     5.853  0.035685
11401   0.825 -0.081091  0.001400    -7.114     7.625 -0.016368  0.036839
.
11402       0    -1.590  0.001818    -7.226     7.386     5.916  0.030655
11402   0.825    -1.590  0.001818    -7.226     7.386 -0.045083  0.032154
.
11403       0     7.076  0.001466 -0.089285  0.036974 -5.36E-07    -7.625
11403   0.300     7.076  0.001466 -0.089285  0.036974 -0.026785    -7.624
.
11404       0    -7.115 -0.001847    -1.582 -0.032197 -9.49E-06    -7.386
11404   0.300    -7.115 -0.001847    -1.582 -0.032197 -0.474570    -7.386
.
11405       0    71.351    -2.629  2.88E-12  0.004962  3.46E-17 -0.183379
11405   0.600    71.351    -2.629  2.88E-12  0.004962  1.73E-12    -1.761
.
11408       0    -3.215     1.399    -21.852    -6.950  0.047879    -4.590
11408   4.500    -3.215     1.399    -21.852    -6.950   -98.281     1.707
.
11409       0    -3.215    -1.399    -21.852     6.950  0.047293     4.590
11409   4.500    -3.215    -1.399    -21.852     6.950   -98.281    -1.707
.
11410       0    -2.822  0.370567    -24.645  0.491614   -103.699 -0.403726
11410   4.500    -2.822  0.370567    -24.645  0.491614   -214.598     1.264
.
11411       0    -2.822 -0.370568    -24.645 -0.491434   -103.699  0.403723
11411   4.500    -2.822 -0.370568    -24.645 -0.491434   -214.599    -1.264
.
11459       0 -0.146581 -5.80E-05  5.25E-07 -7.63E-05  0.225943    -18.500
11459   4.000 -0.146581 -5.80E-05  5.25E-07 -7.63E-05  0.225945    -18.501
.
11460       0  0.100202    35.566    -4.526   322.389     3.784    -51.195
11460   2.000  0.100202    35.566    -4.526   322.389    -5.267     19.934
.
11461       0  0.100197   -35.567     4.526  -322.389    -5.267     19.935
11461   2.000  0.100197   -35.567     4.526  -322.389     3.784    -51.195
.
11470       0    -9.051 -4.50E-06    -71.133  0.000843  -644.779 -6.37E-05
11470   0.200    -9.051 -4.50E-06    -71.133  0.000843  -659.005 -6.46E-05
.
11471       0    -1.365    13.715  0.156053     8.725 -0.292459    -66.220
11471   4.924    -1.365    13.715  0.156053     8.725  0.475984     1.315
.
11472       0    -1.365   -13.715  0.156052    -8.725 -0.292452     66.220
11472   4.924    -1.365   -13.715  0.156052    -8.725  0.475986    -1.315
.
11473       0    -1.586    10.921 -0.780267    33.713     2.178    48.496
11473   6.021    -1.586    10.921 -0.780267    33.713    -2.520   114.247
.
11474       0    -1.586   -10.921 -0.780269   -33.713     2.178   -48.496
11474   6.021    -1.586   -10.921 -0.780269   -33.713    -2.520  -114.248
.
11481       0 -0.155970    14.191    -1.664  0.920554  0.069098   -14.988
11481   2.310 -0.155970    14.191    -1.664  0.920554    -3.774    17.786
.
11482       0 -0.278160    28.430    -3.570     2.056    -3.758    -1.595
11482   0.301 -0.278160    28.430    -3.570     2.056    -4.832     6.959
.
```

11483	0	1.395	6.587	-0.365895	2.632	-0.241864	-0.167248
11483	2.000	1.395	6.587	-0.365895	2.632	-0.973624	13.006
.							
11484	0	1.395	-6.586	0.365895	-2.632	-0.973624	13.006
11484	2.000	1.395	-6.586	0.365895	-2.632	-0.241863	-0.165541
.							
11485	0	-0.278165	-28.773	3.571	-2.056	-4.832	7.011
11485	0.301	-0.278165	-28.773	3.571	-2.056	-3.758	-1.645
.							
11486	0	-0.155971	-14.191	1.664	-0.920177	-3.774	17.799
11486	2.310	-0.155971	-14.191	1.664	-0.920177	0.069103	-14.984
.							
11501	0	1.460	-0.000856	-19.184	20.051	15.801	0.004404
11501	0.825	1.460	-0.000856	-19.184	20.051	-0.024772	0.003693
.							
11502	0	-1.127	0.000209	-18.232	19.746	15.406	-0.022149
11502	0.825	-1.127	0.000209	-18.232	19.746	0.365089	-0.021976
.							
11503	0	19.124	-0.000865	1.450	0.003873	8.70E-06	-20.051
11503	0.300	19.124	-0.000865	1.450	0.003873	0.435062	-20.051
.							
11504	0	-19.118	-0.000147	-1.102	0.022010	-6.61E-06	-19.746
11504	0.300	-19.118	-0.000147	-1.102	0.022010	-0.330648	-19.746
.							
11505	0	48.468	-7.659	7.78E-12	0.026776	9.34E-17	1.058
11505	0.600	48.468	-7.659	7.78E-12	0.026776	4.67E-12	-3.538
.							
11508	0	0.648734	-0.277087	-58.913	-19.155	-0.652312	0.907823
11508	4.500	0.648734	-0.277087	-58.913	-19.155	-265.752	-0.339017
.							
11509	0	0.648730	0.277087	-58.915	19.156	-0.649849	-0.907820
11509	4.500	0.648730	0.277087	-58.915	19.156	-265.756	0.339021
.							
11510	0	0.572705	-0.074793	-66.435	1.294	-280.146	0.081502
11510	4.500	0.572705	-0.074793	-66.435	1.294	-579.091	-0.255052
.							
11511	0	0.572692	0.074794	-66.436	-1.293	-280.144	-0.081501
11511	4.500	0.572692	0.074794	-66.436	-1.293	-579.092	0.255057
.							
11559	0	0.024940	0.000545	-6.66E-07	-0.000229	-0.044523	-49.762
11559	4.000	0.024940	0.000545	-6.66E-07	-0.000229	-0.044526	-49.760
.							
11560	0	-0.020094	95.834	0.917836	869.901	-0.767065	-138.039
11560	2.000	-0.020094	95.834	0.917836	869.901	1.069	53.621
.							
11561	0	-0.020091	-95.835	-0.917819	-869.902	1.068	53.624
11561	2.000	-0.020091	-95.835	-0.917819	-869.902	-0.767069	-138.038
.							
11570	0	1.836	3.25E-06	-191.670	0.003215	-1739.804	3.84E-05
11570	0.200	1.836	3.25E-06	-191.670	0.003215	-1778.136	3.91E-05
.							
11571	0	0.279394	36.921	-0.033931	23.559	0.065460	-178.719
11571	4.924	0.279394	36.921	-0.033931	23.559	-0.101624	3.086
.							
11572	0	0.279398	-36.920	-0.033929	-23.559	0.065454	178.720
11572	4.924	0.279398	-36.920	-0.033929	-23.559	-0.101622	-3.085
.							
11573	0	0.320989	29.399	0.158372	90.992	-0.441466	131.197
11573	6.021	0.320989	29.399	0.158372	90.992	0.512023	308.196
.							
11574	0	0.320994	-29.399	0.158373	-90.992	-0.441472	-131.199
11574	6.021	0.320994	-29.399	0.158373	-90.992	0.512024	-308.197
.							
11581	0	0.031170	38.243	0.331909	2.863	-0.018122	-39.790
11581	2.310	0.031170	38.243	0.331909	2.863	0.748444	48.624
.							
11582	0	0.056222	76.573	0.720595	6.395	0.736919	-3.011
11582	0.301	0.056222	76.573	0.720595	6.395	0.953723	20.028
.							
11583	0	-0.276112	17.714	0.074038	7.261	0.045880	0.336942
11583	2.000	-0.276112	17.714	0.074038	7.261	0.193950	35.763
.							
11584	0	-0.276110	-17.714	-0.074042	-7.262	0.193953	35.765
11584	2.000	-0.276110	-17.714	-0.074042	-7.262	0.045875	0.338630
.							
11585	0	0.056224	-76.496	-0.720580	-6.394	0.953712	20.021
11585	0.301	0.056224	-76.496	-0.720580	-6.394	0.736912	-2.935
.							
11586	0	0.031171	-38.243	-0.331905	-2.862	0.748435	48.636
11586	2.310	0.031171	-38.243	-0.331905	-2.862	-0.018121	-39.689
.							
12201	0	-1.719	0.000670	19.453	-25.677	-20.016	-0.006603
12201	1.036	-1.719	0.000670	19.453	-25.677	0.136852	-0.005909
.							
12202	0	2.108	-0.000930	19.043	-25.983	-19.808	-0.004698
12202	1.036	2.108	-0.000930	19.043	-25.983	-0.080599	-0.005662
.							
12203	0	-19.189	0.000683	-1.732	-0.005879	-1.04E-05	25.677
12203	0.300	-19.189	0.000683	-1.732	-0.005879	-0.519569	25.677
.							
12204	0	19.198	0.000939	2.119	0.005667	1.27E-05	25.983
12204	0.300	19.198	0.000939	2.119	0.005667	0.635837	25.983
.							
12205	0	57.419	7.416	-2.14E-12	-0.000822	-2.57E-17	-3.746
12205	0.600	57.419	7.416	-2.14E-12	-0.000822	-1.28E-12	0.702938
.							
12301	0	-1.978	0.000849	7.155	-9.573	-7.410	0.010019
12301	1.036	-1.978	0.000849	7.155	-9.573	0.092071	0.010899
.							
12302	0	0.067720	0.000241	7.104	-9.805	-7.356	0.004768
12302	1.036	0.067720	0.000241	7.104	-9.805	0.004086	0.005018
.							
12303	0	-7.151	0.000856	-1.979	0.010852	-1.19E-05	9.573
12303	0.300	-7.151	0.000856	-1.979	0.010852	-0.593639	9.574
.							
12304	0	7.097	-0.000248	0.071231	-0.005023	4.27E-07	9.805
12304	0.300	7.097	-0.000248	0.071231	-0.005023	0.021369	9.804
.							
12305	0	85.875	2.577	9.16E-13	0.006617	1.10E-17	-1.925
12305	0.600	85.875	2.577	9.16E-13	0.006617	5.49E-13	-0.378798
.							
12401	0	0.067751	0.000248	-6.840	9.805	7.219	0.004697
12401	1.036	0.067751	0.000248	-6.840	9.805	0.132745	0.004953
.							
12402	0	-1.978	0.000848	-7.138	9.573	7.402	0.009964
12402	1.036	-1.978	0.000848	-7.138	9.573	0.006525	0.010842
.							
12403	0	7.097	0.000248	0.060236	0.005029	3.61E-07	-9.805

12403	0.300	7.097	0.000248	0.060236	0.005029	0.018070	-9.805
.							
12404	0	-7.151	-0.000856	-1.968	-0.010849	-1.18E-05	-9.573
12404	0.300	-7.151	-0.000856	-1.968	-0.010849	-0.590340	-9.574
.							
12405	0	85.875	-2.577	2.86E-12	-0.006621	3.43E-17	-0.378801
12405	0.600	85.875	-2.577	2.86E-12	-0.006621	1.72E-12	-1.925
.							
12501	0	2.108	-0.000942	-19.064	25.983	19.819	-0.004839
12501	1.036	2.108	-0.000942	-19.064	25.983	0.069710	-0.005814
.							
12502	0	-1.719	0.000689	-18.931	25.677	19.745	-0.006631
12502	1.036	-1.719	0.000689	-18.931	25.677	0.133753	-0.005918
.							
12503	0	19.198	-0.000939	2.127	-0.005622	1.28E-05	-25.983
12503	0.300	19.198	-0.000939	2.127	-0.005622	0.637968	-25.983
.							
12504	0	-19.189	-0.000683	-1.729	0.005921	-1.04E-05	-25.677
12504	0.300	-19.189	-0.000683	-1.729	0.005921	-0.518711	-25.677
.							
12505	0	57.419	-7.416	7.73E-12	0.000780	9.28E-17	0.702882
12505	0.600	57.419	-7.416	7.73E-12	0.000780	4.64E-12	-3.746
.							
13201	0	-1.525	3.17E-07	19.103	0.000440	-20.281	-1.40E-07
13201	1.059	-1.525	3.17E-07	19.103	0.000440	-0.052240	1.96E-07
.							
13202	0	1.915	3.49E-07	19.223	0.000529	-20.350	-4.81E-08
13202	1.059	1.915	3.49E-07	19.223	0.000529	0.006518	3.21E-07
.							
13203	0	-19.200	3.20E-07	-1.534	1.97E-07	-9.20E-06	-0.000440
13203	0.300	-19.200	3.20E-07	-1.534	1.97E-07	-0.460238	-0.000440
.							
13204	0	19.210	-3.49E-07	1.922	-3.21E-07	1.15E-05	-0.000528
13204	0.300	19.210	-3.49E-07	1.922	-3.21E-07	0.576506	-0.000528
.							
13205	0	57.419	0.003164	-2.12E-12	-1.36E-07	-2.54E-17	-0.000500
13205	0.600	57.419	0.003164	-2.12E-12	-1.36E-07	-1.27E-12	0.001399
.							
13301	0	-1.916	-5.42E-07	7.312	0.000227	-7.661	-9.12E-08
13301	1.059	-1.916	-5.42E-07	7.312	0.000227	0.082263	-6.65E-07
.							
13302	0	0.026817	-5.33E-07	7.127	0.000199	-7.533	-8.16E-08
13302	1.059	0.026817	-5.33E-07	7.127	0.000199	0.014333	-6.46E-07
.							
13303	0	-7.157	-5.48E-07	-1.910	-6.67E-07	-1.15E-05	-0.000227
13303	0.300	-7.157	-5.48E-07	-1.910	-6.67E-07	-0.572898	-0.000228
.							
13304	0	7.100	5.35E-07	0.025114	6.47E-07	1.51E-07	-0.000199
13304	0.300	7.100	5.35E-07	0.025114	6.47E-07	0.007534	-0.000199
.							
13305	0	86.170	0.000891	9.25E-13	-1.99E-08	1.11E-17	-0.000411
13305	0.600	86.170	0.000891	9.25E-13	-1.99E-08	5.55E-13	0.000124
.							
13401	0	0.026825	-5.39E-07	-7.136	-0.000199	7.538	-7.69E-08
13401	1.059	0.026825	-5.39E-07	-7.136	-0.000199	-0.018818	-6.48E-07
.							
13402	0	-1.916	-5.49E-07	-7.296	-0.000227	7.652	-8.64E-08
13402	1.059	-1.916	-5.49E-07	-7.296	-0.000227	-0.073667	-6.67E-07
.							
13403	0	7.100	-5.35E-07	0.027141	-6.47E-07	1.63E-07	0.000199
13403	0.300	7.100	-5.35E-07	0.027141	-6.47E-07	0.008142	0.000199
.							
13404	0	-7.157	5.48E-07	-1.912	6.67E-07	-1.15E-05	0.000227
13404	0.300	-7.157	5.48E-07	-1.912	6.67E-07	-0.573609	0.000228
.							
13405	0	86.170	-0.000891	2.83E-12	2.00E-08	3.40E-17	0.000124
13405	0.600	86.170	-0.000891	2.83E-12	2.00E-08	1.70E-12	-0.000411
.							
13501	0	1.915	3.50E-07	-19.244	-0.000528	20.361	-4.55E-08
13501	1.059	1.915	3.50E-07	-19.244	-0.000528	-0.017356	3.25E-07
.							
13502	0	-1.525	3.21E-07	-19.127	-0.000440	20.294	-1.42E-07
13502	1.059	-1.525	3.21E-07	-19.127	-0.000440	0.039532	1.98E-07
.							
13503	0	19.210	3.49E-07	1.915	3.20E-07	1.15E-05	0.000528
13503	0.300	19.210	3.49E-07	1.915	3.20E-07	0.574584	0.000528
.							
13504	0	-19.200	-3.20E-07	-1.543	-1.98E-07	-9.26E-06	0.000440
13504	0.300	-19.200	-3.20E-07	-1.543	-1.98E-07	-0.462851	0.000440
.							
13505	0	57.419	-0.003164	7.65E-12	1.37E-07	9.18E-17	0.001399
13505	0.600	57.419	-0.003164	7.65E-12	1.37E-07	4.59E-12	-0.000500
.							
14201	0	-1.719	-0.000690	19.399	25.680	-19.988	0.006608
14201	1.036	-1.719	-0.000690	19.399	25.680	0.108773	0.005893
.							
14202	0	2.108	0.000947	19.551	25.986	-20.072	0.004693
14202	1.036	2.108	0.000947	19.551	25.986	0.182340	0.005674
.							
14203	0	-19.189	-0.000683	-1.723	0.005874	-1.03E-05	-25.680
14203	0.300	-19.189	-0.000683	-1.723	0.005874	-0.516948	-25.681
.							
14204	0	19.198	-0.000940	2.124	-0.005671	1.27E-05	-25.986
14204	0.300	19.198	-0.000940	2.124	-0.005671	0.637238	-25.986
.							
14205	0	57.419	-7.406	-2.14E-12	0.000811	-2.57E-17	3.745
14205	0.600	57.419	-7.406	-2.14E-12	0.000811	-1.28E-12	-0.698587
.							
14301	0	-1.978	-0.000852	7.126	9.575	-7.395	-0.010021
14301	1.036	-1.978	-0.000852	7.126	9.575	-0.013115	-0.010904
.							
14302	0	0.067720	-0.000237	6.829	9.806	-7.213	-0.004771
14302	1.036	0.067720	-0.000237	6.829	9.806	-0.138666	-0.005017
.							
14303	0	-7.151	-0.000858	-1.972	-0.010856	-1.18E-05	-9.575
14303	0.300	-7.151	-0.000858	-1.972	-0.010856	-0.591701	-9.575
.							
14304	0	7.097	0.000249	0.057900	0.005025	3.47E-07	-9.806
14304	0.300	7.097	0.000249	0.057900	0.005025	0.017370	-9.806
.							
14305	0	85.875	-2.573	9.16E-13	-0.006620	1.10E-17	1.924
14305	0.600	85.875	-2.573	9.16E-13	-0.006620	5.49E-13	0.379537
.							
14401	0	0.067751	-0.000249	-7.111	-9.806	7.359	-0.004698
14401	1.036	0.067751	-0.000249	-7.111	-9.806	-0.007524	-0.004955
.							
14402	0	-1.978	-0.000851	-7.109	-9.575	7.386	-0.009966
14402	1.036	-1.978	-0.000851	-7.109	-9.575	0.021711	-0.010848

.							
14403	0	7.097	-0.000249	0.060099	-0.005030	3.61E-07	9.806
14403	0.300	7.097	-0.000249	0.060099	-0.005030	0.018029	9.806
.							
14404	0	-7.151	0.000858	-1.975	0.010853	-1.18E-05	9.575
14404	0.300	-7.151	0.000858	-1.975	0.010853	-0.592360	9.575
.							
14405	0	85.917	2.573	2.86E-12	0.006624	3.43E-17	0.379540
14405	0.600	85.917	2.573	2.86E-12	0.006624	1.72E-12	1.924
.							
14501	0	2.108	0.000942	-19.025	-25.986	19.799	0.004842
14501	1.036	2.108	0.000942	-19.025	-25.986	0.089769	0.005818
.							
14502	0	-1.719	-0.000676	-18.877	-25.681	19.717	0.006619
14502	1.036	-1.719	-0.000676	-18.877	-25.681	0.161832	0.005919
.							
14503	0	19.198	0.000940	2.109	0.005626	1.27E-05	25.986
14503	0.300	19.198	0.000940	2.109	0.005626	0.632799	25.987
.							
14504	0	-19.189	0.000683	-1.720	-0.005916	-1.03E-05	25.681
14504	0.300	-19.189	0.000683	-1.720	-0.005916	-0.515964	25.681
.							
14505	0	57.419	7.406	7.73E-12	-0.000769	9.28E-17	-0.698505
14505	0.600	57.419	7.406	7.73E-12	-0.000769	4.64E-12	3.745
.							
15201	0	-1.126	-0.000143	18.447	19.740	-15.494	0.022103
15201	0.825	-1.126	-0.000143	18.447	19.740	-0.276269	0.021985
.							
15202	0	1.460	0.000847	19.465	20.045	-15.917	-0.004543
15202	0.825	1.460	0.000847	19.465	20.045	0.140818	-0.003844
.							
15203	0	-19.118	-0.000146	-1.148	0.021968	-6.89E-06	-19.740
15203	0.300	-19.118	-0.000146	-1.148	0.021968	-0.344517	-19.740
.							
15204	0	19.124	-0.000865	1.483	0.003829	8.90E-06	-20.045
15204	0.300	19.124	-0.000865	1.483	0.003829	0.444911	-20.045
.							
15205	0	48.469	-7.673	-2.18E-12	0.026799	-2.62E-17	3.543
15205	0.600	48.469	-7.673	-2.18E-12	0.026799	-1.31E-12	-1.060
.							
15301	0	-1.590	-0.001840	7.474	7.384	-6.018	-0.030702
15301	0.825	-1.590	-0.001840	7.474	7.384	0.147566	-0.032220
.							
15302	0	-0.081082	-0.001405	6.935	7.623	-5.779	-0.035750
15302	0.825	-0.081082	-0.001405	6.935	7.623	-0.057558	-0.036909
.							
15303	0	-7.115	-0.001848	-1.597	-0.032205	-9.58E-06	-7.384
15303	0.300	-7.115	-0.001848	-1.597	-0.032205	-0.479023	-7.384
.							
15304	0	7.076	0.001466	-0.079939	0.036970	-4.80E-07	-7.623
15304	0.300	7.076	0.001466	-0.079939	0.036970	-0.023981	-7.622
.							
15305	0	71.351	-2.634	7.89E-13	0.004962	9.47E-18	1.762
15305	0.600	71.351	-2.634	7.89E-13	0.004962	4.73E-13	0.182175
.							
15401	0	-0.081090	-0.001447	-6.946	-7.623	5.783	-0.035669
15401	0.825	-0.081090	-0.001447	-6.946	-7.623	0.053000	-0.036863
.							
15402	0	-1.590	-0.001799	-7.451	-7.384	6.009	-0.030662
15402	0.825	-1.590	-0.001799	-7.451	-7.384	-0.137851	-0.032147
.							
15403	0	7.076	-0.001466	-0.092308	-0.036974	-5.54E-07	7.623
15403	0.300	7.076	-0.001466	-0.092308	-0.036974	-0.027692	7.622
.							
15404	0	-7.115	0.001848	-1.587	0.032205	-9.52E-06	7.384
15404	0.300	-7.115	0.001848	-1.587	0.032205	-0.476137	7.384
.							
15405	0	71.351	2.633	2.88E-12	-0.004960	3.46E-17	0.182206
15405	0.600	71.351	2.633	2.88E-12	-0.004960	1.73E-12	1.762
.							
15501	0	1.460	0.000867	-19.490	-20.045	15.927	-0.004404
15501	0.825	1.460	0.000867	-19.490	-20.045	-0.151013	-0.003683
.							
15502	0	-1.126	-0.000210	-19.565	-19.740	15.955	0.022143
15502	0.825	-1.126	-0.000210	-19.565	-19.740	-0.184729	0.021970
.							
15503	0	19.124	0.000865	1.446	-0.003867	8.68E-06	20.045
15503	0.300	19.124	0.000865	1.446	-0.003867	0.433784	20.045
.							
15504	0	-19.118	0.000146	-1.124	-0.022003	-6.74E-06	19.740
15504	0.300	-19.118	0.000146	-1.124	-0.022003	-0.337203	19.740
.							
15505	0	48.468	7.673	7.78E-12	-0.026764	9.34E-17	-1.060
15505	0.600	48.468	7.673	7.78E-12	-0.026764	4.67E-12	3.543
.							
21101	0	-0.672070	0.778079	0.019550	-0.023552	-0.025391	-0.786143
21101	2.300	-0.672070	0.778079	0.019550	-0.023552	0.019573	1.003
.							
21111	0	-0.088828	0.734064	-0.001769	-0.023115	-0.004053	-0.794035
21111	2.300	-0.088828	0.734064	-0.001769	-0.023115	-0.008121	0.894244
.							
21121	0	0.103351	0.687266	-0.010577	-0.021562	0.001690	-0.768932
21121	2.300	0.103351	0.687266	-0.010577	-0.021562	-0.022637	0.811717
.							
21131	0	0.154525	0.567243	-0.016981	-0.018808	0.004423	-0.639807
21131	2.300	0.154525	0.567243	-0.016981	-0.018808	-0.034633	0.664800
.							
21141	0	0.190725	0.385130	-0.022916	-0.014654	0.006857	-0.431210
21141	2.300	0.190725	0.385130	-0.022916	-0.014654	-0.045848	0.454554
.							
21151	0	0.270333	0.119656	-0.028659	-0.008791	0.009735	-0.122437
21151	2.300	0.270333	0.119656	-0.028659	-0.008791	-0.056177	0.152702
.							
21161	0	0.446737	-0.275184	-0.033960	-0.000791	0.013368	0.340803
21161	2.300	0.446737	-0.275184	-0.033960	-0.000791	-0.064736	-0.292095
.							
21171	0	0.839387	-0.843204	-0.038023	0.009910	0.017786	1.021
21171	2.300	0.839387	-0.843204	-0.038023	0.009910	-0.069663	-0.917963
.							
21181	0	1.729	-1.381	-0.038764	0.024022	0.022008	1.702
21181	2.300	1.729	-1.381	-0.038764	0.024022	-0.067146	-1.473
.							
21191	0	3.136	-0.739684	-0.029510	0.042386	0.020189	0.957216
21191	2.300	3.136	-0.739684	-0.029510	0.042386	-0.047681	-0.743990
.							
21201	0	-1.346	0.064254	0.005981	-0.010046	-0.009171	0.064288
21201	2.300	-1.346	0.064254	0.005981	-0.010046	0.004585	0.212067
.							

21211	0	-0.388405	0.154450	-0.002214	-0.009760	-0.010904	-0.089392
21211	2.300	-0.388405	0.154450	-0.002214	-0.009760	-0.015995	0.265829
.							
21221	0	0.118041	0.210739	-0.005340	-0.008838	-0.019546	-0.198114
21221	2.300	0.118041	0.210739	-0.005340	-0.008838	-0.031827	0.286566
.							
21231	0	0.325182	0.207741	-0.006870	-0.007229	-0.028823	-0.217360
21231	2.300	0.325182	0.207741	-0.006870	-0.007229	-0.044623	0.260425
.							
21241	0	0.443822	0.150353	-0.006886	-0.004883	-0.037585	-0.151828
21241	2.300	0.443822	0.150353	-0.006886	-0.004883	-0.053423	0.193969
.							
21251	0	0.685406	0.038511	-0.005052	-0.001776	-0.045268	-0.000718
21251	2.300	0.685406	0.038511	-0.005052	-0.001776	-0.056887	0.087855
.							
21261	0	1.285	-0.144182	-0.001245	0.002050	-0.050984	0.257596
21261	2.300	1.285	-0.144182	-0.001245	0.002050	-0.053848	-0.074009
.							
21271	0	2.472	-0.378056	0.004096	0.006439	-0.053127	0.591530
21271	2.300	2.472	-0.378056	0.004096	0.006439	-0.043707	-0.277964
.							
21281	0	4.205	-0.522173	0.009726	0.011077	-0.049183	0.779377
21281	2.300	4.205	-0.522173	0.009726	0.011077	-0.026815	-0.421573
.							
21291	0	5.353	-0.092208	0.014271	0.015479	-0.037020	0.082096
21291	2.300	5.353	-0.092208	0.014271	0.015479	-0.004197	-0.129974
.							
21301	0	-1.347	-0.063674	-0.005981	0.010045	0.004585	0.211445
21301	2.300	-1.347	-0.063674	-0.005981	0.010045	-0.009170	0.064999
.							
21311	0	-0.388683	-0.153655	0.002215	0.009760	-0.015995	0.264950
21311	2.300	-0.388683	-0.153655	0.002215	0.009760	-0.010901	-0.088444
.							
21321	0	0.117991	-0.209830	0.005341	0.008837	-0.031827	0.285541
21321	2.300	0.117991	-0.209830	0.005341	0.008837	-0.019544	-0.197049
.							
21331	0	0.325219	-0.206847	0.006870	0.007229	-0.044623	0.259404
21331	2.300	0.325219	-0.206847	0.006870	0.007229	-0.028824	-0.216326
.							
21341	0	0.443861	-0.149559	0.006884	0.004883	-0.053422	0.193058
21341	2.300	0.443861	-0.149559	0.006884	0.004883	-0.037589	-0.150915
.							
21351	0	0.685448	-0.037887	0.005049	0.001776	-0.056886	0.087142
21351	2.300	0.685448	-0.037887	0.005049	0.001776	-0.045274	6.79E-06
.							
21361	0	1.285	0.144529	0.001243	-0.002051	-0.053848	-0.074379
21361	2.300	1.285	0.144529	0.001243	-0.002051	-0.050989	0.258025
.							
21371	0	2.473	0.379731	-0.004096	-0.006439	-0.043706	-0.279825
21371	2.300	2.473	0.379731	-0.004096	-0.006439	-0.053127	0.593521
.							
21381	0	4.206	0.521147	-0.009721	-0.011076	-0.026815	-0.420341
21381	2.300	4.206	0.521147	-0.009721	-0.011076	-0.049173	0.778250
.							
21391	0	5.355	0.090077	-0.014262	-0.015478	-0.004200	-0.127600
21391	2.300	5.355	0.090077	-0.014262	-0.015478	-0.037001	0.079568
.							
21401	0	-0.674006	-0.777009	-0.019548	0.023545	0.019571	1.002
21401	2.300	-0.674006	-0.777009	-0.019548	0.023545	-0.025388	-0.784769
.							
21411	0	-0.089435	-0.736561	0.001765	0.023113	-0.008116	0.897222
21411	2.300	-0.089435	-0.736561	0.001765	0.023113	-0.004056	-0.796800
.							
21421	0	0.103345	-0.686232	0.010575	0.021562	-0.022633	0.810557
21421	2.300	0.103345	-0.686232	0.010575	0.021562	0.001688	-0.767714
.							
21431	0	0.154635	-0.566334	0.016981	0.018810	-0.034633	0.663753
21431	2.300	0.154635	-0.566334	0.016981	0.018810	0.004422	-0.638762
.							
21441	0	0.190814	-0.384355	0.022919	0.014656	-0.045852	0.453655
21441	2.300	0.190814	-0.384355	0.022919	0.014656	0.006859	-0.430326
.							
21451	0	0.270365	-0.119047	0.028664	0.008792	-0.056185	0.151989
21451	2.300	0.270365	-0.119047	0.028664	0.008792	0.009739	-0.121808
.							
21461	0	0.446742	0.277442	0.033966	0.000789	-0.064745	-0.294691
21461	2.300	0.446742	0.277442	0.033966	0.000789	0.013373	0.343401
.							
21471	0	0.839860	0.841667	0.038027	-0.009916	-0.069667	-0.916088
21471	2.300	0.839860	0.841667	0.038027	-0.009916	0.017791	1.020
.							
21481	0	1.732	1.383	0.038756	-0.024032	-0.067133	-1.475
21481	2.300	1.732	1.383	0.038756	-0.024032	0.022003	1.705
.							
21491	0	3.144	0.740431	0.029478	-0.042389	-0.047638	-0.744369
21491	2.300	3.144	0.740431	0.029478	-0.042389	0.020159	0.958553
.							
21501	0	1.551	5.309	0.017437	0.065892	-0.017714	-6.810
21501	2.300	1.551	5.309	0.017437	0.065892	0.022390	5.400
.							
21601	0	1.925	2.079	0.023120	0.019038	-0.025666	-3.272
21601	2.300	1.925	2.079	0.023120	0.019038	0.027507	1.508
.							
21701	0	1.925	-2.081	-0.023121	-0.019036	0.027509	1.511
21701	2.300	1.925	-2.081	-0.023121	-0.019036	-0.025668	-3.275
.							
21801	0	1.555	-5.316	-0.017434	-0.065826	0.022387	5.406
21801	2.300	1.555	-5.316	-0.017434	-0.065826	-0.017711	-6.820
.							
22101	0	-1.626	7.541	-0.016822	0.064242	0.021969	-9.653
22101	2.300	-1.626	7.541	-0.016822	0.064242	-0.016720	7.690
.							
22111	0	-3.289	-1.066	0.034341	0.036062	-0.021592	1.386
22111	2.300	-3.289	-1.066	0.034341	0.036062	0.057389	-1.065
.							
22121	0	-1.608	-1.630	0.040612	0.015097	-0.022024	2.003
22121	2.300	-1.608	-1.630	0.040612	0.015097	0.071379	-1.747
.							
22131	0	-0.697862	-0.947459	0.036012	3.50E-05	-0.016317	1.142
22131	2.300	-0.697862	-0.947459	0.036012	3.50E-05	0.066508	-1.037
.							
22141	0	-0.289041	-0.426860	0.028071	-0.010268	-0.010726	0.518879
22141	2.300	-0.289041	-0.426860	0.028071	-0.010268	0.053834	-0.462858
.							
22151	0	-0.061225	-0.201457	0.018992	-0.016676	-0.006003	0.250985
22151	2.300	-0.061225	-0.201457	0.018992	-0.016676	0.037678	-0.212348
.							
22161	0	0.101034	-0.211198	0.009587	-0.019751	-0.001901	0.257911

22161	2.300	0.101034	-0.211198	0.009587	-0.019751	0.020148	-0.227825
.							
22171	0	0.271380	-0.396940	0.000327	-0.019771	0.001885	0.473890
22171	2.300	0.271380	-0.396940	0.000327	-0.019771	0.002636	-0.439036
.							
22181	0	0.568173	-0.676934	-0.007952	-0.016734	0.005160	0.814063
22181	2.300	0.568173	-0.676934	-0.007952	-0.016734	-0.013129	-0.742822
.							
22191	0	1.075	-0.592182	-0.012391	-0.010383	0.005271	0.720143
22191	2.300	1.075	-0.592182	-0.012391	-0.010383	-0.023227	-0.641820
.							
22201	0	-1.993	2.832	-0.027357	0.017867	0.032487	-4.460
22201	2.300	-1.993	2.832	-0.027357	0.017867	-0.030432	2.052
.							
22211	0	-5.740	-0.253962	-0.018608	0.013510	0.043908	0.309141
22211	2.300	-5.740	-0.253962	-0.018608	0.013510	0.001111	-0.274948
.							
22221	0	-4.090	-0.703061	-0.013188	0.008278	0.052768	1.050
22221	2.300	-4.090	-0.703061	-0.013188	0.008278	0.022437	-0.567452
.							
22231	0	-2.100	-0.482340	-0.006308	0.003143	0.051131	0.742434
22231	2.300	-2.100	-0.482340	-0.006308	0.003143	0.036623	-0.366903
.							
22241	0	-0.834246	-0.240280	3.69E-05	-0.001159	0.042822	0.383084
22241	2.300	-0.834246	-0.240280	3.69E-05	-0.001159	0.042907	-0.169537
.							
22251	0	-0.147948	-0.124249	0.004854	-0.004195	0.031052	0.203281
22251	2.300	-0.147948	-0.124249	0.004854	-0.004195	0.042216	-0.082480
.							
22261	0	0.300578	-0.116911	0.008316	-0.005809	0.017700	0.184254
22261	2.300	0.300578	-0.116911	0.008316	-0.005809	0.036826	-0.084632
.							
22271	0	0.785791	-0.187669	0.011009	-0.006075	0.004071	0.278604
22271	2.300	0.785791	-0.187669	0.011009	-0.006075	0.029392	-0.153018
.							
22281	0	1.425	-0.260231	0.013170	-0.005262	-0.008265	0.370327
22281	2.300	1.425	-0.260231	0.013170	-0.005262	0.022024	-0.228180
.							
22291	0	1.901	-0.118776	0.014132	-0.003813	-0.016918	0.128530
22291	2.300	1.901	-0.118776	0.014132	-0.003813	0.015583	-0.144644
.							
22301	0	-1.994	-2.835	0.027359	-0.017866	-0.030434	2.056
22301	2.300	-1.994	-2.835	0.027359	-0.017866	0.032488	-4.464
.							
22311	0	-5.742	0.251359	0.018598	-0.013510	0.001114	-0.272055
22311	2.300	-5.742	0.251359	0.018598	-0.013510	0.043887	0.306047
.							
22321	0	-4.091	0.701984	0.013184	-0.008278	0.022437	-0.566133
22321	2.300	-4.091	0.701984	0.013184	-0.008278	0.052758	1.048
.							
22331	0	-2.101	0.482277	0.006309	-0.003144	0.036622	-0.366753
22331	2.300	-2.101	0.482277	0.006309	-0.003144	0.051131	0.742441
.							
22341	0	-0.834365	0.243248	-3.47E-05	0.001158	0.042906	-0.172920
22341	2.300	-0.834365	0.243248	-3.47E-05	0.001158	0.042826	0.386527
.							
22351	0	-0.147958	0.124893	-0.004852	0.004194	0.042216	-0.083212
22351	2.300	-0.147958	0.124893	-0.004852	0.004194	0.031056	0.204029
.							
22361	0	0.300613	0.117618	-0.008315	0.005808	0.036827	-0.085431
22361	2.300	0.300613	0.117618	-0.008315	0.005808	0.017703	0.185080
.							
22371	0	0.785998	0.188279	-0.011008	0.006075	0.029392	-0.153684
22371	2.300	0.785998	0.188279	-0.011008	0.006075	0.004075	0.279341
.							
22381	0	1.426	0.261756	-0.013168	0.005262	0.022025	-0.229895
22381	2.300	1.426	0.261756	-0.013168	0.005262	-0.008260	0.372120
.							
22391	0	1.902	0.118401	-0.014128	0.003814	0.015582	-0.144239
22391	2.300	1.902	0.118401	-0.014128	0.003814	-0.016919	0.128073
.							
22401	0	-1.631	-7.550	0.016819	-0.064169	-0.016716	7.697
22401	2.300	-1.631	-7.550	0.016819	-0.064169	0.021966	-9.667
.							
22411	0	-3.297	1.067	-0.034309	-0.036067	0.057345	-1.066
22411	2.300	-3.297	1.067	-0.034309	-0.036067	-0.021563	1.389
.							
22421	0	-1.610	1.633	-0.040606	-0.015107	0.071368	-1.750
22421	2.300	-1.610	1.633	-0.040606	-0.015107	-0.022022	2.007
.							
22431	0	-0.698163	0.950356	-0.036016	-4.01E-05	0.066513	-1.040
22431	2.300	-0.698163	0.950356	-0.036016	-4.01E-05	-0.016322	1.146
.							
22441	0	-0.289037	0.427342	-0.028076	0.010267	0.053841	-0.463423
22441	2.300	-0.289037	0.427342	-0.028076	0.010267	-0.010736	0.519425
.							
22451	0	-0.061253	0.203354	-0.018995	0.016676	0.037683	-0.214544
22451	2.300	-0.061253	0.203354	-0.018995	0.016676	-0.006004	0.253152
.							
22461	0	0.100984	0.211920	-0.009588	0.019752	0.020152	-0.228663
22461	2.300	0.100984	0.211920	-0.009588	0.019752	-0.001901	0.258733
.							
22471	0	0.271454	0.398986	-0.000327	0.019770	0.002639	-0.441359
22471	2.300	0.271454	0.398986	-0.000327	0.019770	0.001886	0.476271
.							
22481	0	0.569100	0.676473	0.007949	0.016732	-0.013123	-0.742120
22481	2.300	0.569100	0.676473	0.007949	0.016732	0.005159	0.813706
.							
22491	0	1.078	0.593812	0.012380	0.010383	-0.023212	-0.643387
22491	2.300	1.078	0.593812	0.012380	0.010383	0.005261	0.722326
.							
22501	0	0.526135	1.929	-0.000467	-0.000248	-0.012790	-2.535
22501	2.300	0.526135	1.929	-0.000467	-0.000248	-0.013864	1.901
.							
22601	0	0.624393	0.861306	0.013568	-0.002302	-0.020827	-1.389
22601	2.300	0.624393	0.861306	0.013568	-0.002302	0.010377	0.591560
.							
22701	0	0.624796	-0.862117	-0.013568	0.002303	0.010378	0.592423
22701	2.300	0.624796	-0.862117	-0.013568	0.002303	-0.020828	-1.390
.							
22801	0	0.528871	-1.931	0.000468	0.000273	-0.013866	1.903
22801	2.300	0.528871	-1.931	0.000468	0.000273	-0.012789	-2.539
.							
23101	0	-0.660178	3.694	-0.014440	0.046026	0.000989	-4.762
23101	2.300	-0.660178	3.694	-0.014440	0.046026	-0.032221	3.733
.							
23111	0	-1.171	-0.696751	0.013949	0.031731	-0.012601	0.879687
23111	2.300	-1.171	-0.696751	0.013949	0.031731	0.019481	-0.722775

```
.
23121       0 -0.487614 -0.658122  0.021222  0.020832 -0.010833  0.795686
23121   2.300 -0.487614 -0.658122  0.021222  0.020832  0.037975 -0.717934
.
23131       0 -0.200070 -0.303772  0.023650  0.012495 -0.008347  0.363632
23131   2.300 -0.200070 -0.303772  0.023650  0.012495  0.046045 -0.335017
.
23141       0 -0.084046 -0.102416  0.024450  0.005836 -0.006792  0.124488
23141   2.300 -0.084046 -0.102416  0.024450  0.005836  0.049441 -0.111061
.
23151       0 -0.049740 -1.18E-07  0.024627  1.76E-08 -0.006278  1.30E-07
23151   2.300 -0.049740 -1.18E-07  0.024627  1.76E-08  0.050363 -1.43E-07
.
23161       0 -0.084046  0.102417  0.024450 -0.005836 -0.006791 -0.124488
23161   2.300 -0.084046  0.102417  0.024450 -0.005836  0.049440  0.111061
.
23171       0 -0.200070  0.303773  0.023650 -0.012495 -0.008347 -0.363632
23171   2.300 -0.200070  0.303773  0.023650 -0.012495  0.046046  0.335017
.
23181       0 -0.487614  0.658123  0.021222 -0.020832 -0.010833 -0.795687
23181   2.300 -0.487614  0.658123  0.021222 -0.020832  0.037976  0.717935
.
23191       0    -1.171  0.696752  0.013949 -0.031731 -0.012601 -0.879688
23191   2.300    -1.171  0.696752  0.013949 -0.031731  0.019481  0.722777
.
23201       0 -0.832029     1.338 -0.006405  0.013551  0.001234    -2.157
23201   2.300 -0.832029     1.338 -0.006405  0.013551 -0.013496  0.920579
.
23211       0    -2.182 -0.248931 -0.000160  0.011351  0.014763  0.322612
23211   2.300    -2.182 -0.248931 -0.000160  0.011351  0.014401 -0.249907
.
23221       0    -1.326 -0.324645  0.002249  0.008660  0.029623  0.481106
23221   2.300    -1.326 -0.324645  0.002249  0.008660  0.034796 -0.265549
.
23231       0 -0.585572 -0.170455  0.005374  0.005765  0.038179  0.263006
23231   2.300 -0.585572 -0.170455  0.005374  0.005765  0.050539 -0.129026
.
23241       0 -0.219544 -0.061313  0.007922  0.002862  0.042243  0.097979
23241   2.300 -0.219544 -0.061313  0.007922  0.002862  0.060463 -0.043035
.
23251       0 -0.117161 -5.29E-08  0.008877  8.18E-09  0.043421  5.21E-08
23251   2.300 -0.117161 -5.29E-08  0.008877  8.18E-09  0.063837 -6.97E-08
.
23261       0 -0.219544  0.061313  0.007922 -0.002862  0.042243 -0.097979
23261   2.300 -0.219544  0.061313  0.007922 -0.002862  0.060463  0.043035
.
23271       0 -0.585572  0.170456  0.005374 -0.005765  0.038180 -0.263006
23271   2.300 -0.585572  0.170456  0.005374 -0.005765  0.050539  0.129026
.
23281       0    -1.326  0.324646  0.002249 -0.008660  0.029623 -0.481106
23281   2.300    -1.326  0.324646  0.002249 -0.008660  0.034796  0.265549
.
23291       0    -2.182  0.248932 -0.000160 -0.011351  0.014769 -0.322613
23291   2.300    -2.182  0.248932 -0.000160 -0.011351  0.014401  0.249908
.
23301       0 -0.831838    -1.339  0.006405 -0.013551 -0.013497  0.922003
23301   2.300 -0.831838    -1.339  0.006405 -0.013551  0.001235    -2.159
.
23311       0    -2.183  0.248402  0.000156 -0.011351  0.014401 -0.249384
```

```
23311   2.300    -2.183  0.248402  0.000156 -0.011351  0.014761  0.321917
.
23321       0    -1.327  0.324681 -0.002250 -0.008660  0.034796 -0.265568
23321   2.300    -1.327  0.324681 -0.002250 -0.008660  0.029622  0.481169
.
23331       0 -0.585720  0.170419 -0.005373 -0.005766  0.050539 -0.128963
23331   2.300 -0.585720  0.170419 -0.005373 -0.005766  0.038182  0.262985
.
23341       0 -0.219585  0.061318 -0.007921 -0.002862  0.060463 -0.043036
23341   2.300 -0.219585  0.061318 -0.007920 -0.002862  0.042247  0.097990
.
23351       0 -0.117185  5.23E-08 -0.008875 -8.17E-09  0.063836 -6.90E-08
23351   2.300 -0.117185  5.23E-08 -0.008875 -8.17E-09  0.043425  5.13E-08
.
23361       0 -0.219585 -0.061318 -0.007920  0.002862  0.060463  0.043036
23361   2.300 -0.219585 -0.061318 -0.007920  0.002862  0.042247 -0.097990
.
23371       0 -0.585721 -0.170419 -0.005373  0.005766  0.050539  0.128963
23371   2.300 -0.585721 -0.170419 -0.005373  0.005766  0.038182 -0.262986
.
23381       0    -1.327 -0.324682 -0.002250  0.008660  0.034796  0.265568
23381   2.300    -1.327 -0.324682 -0.002250  0.008660  0.029622 -0.481170
.
23391       0    -2.183 -0.248402  0.000156  0.011351  0.014402  0.249384
23391   2.300    -2.183 -0.248402  0.000156  0.011351  0.014761 -0.321918
.
23401       0 -0.661040    -3.698  0.014438 -0.045999 -0.032219     3.736
23401   2.300 -0.661040    -3.698  0.014438 -0.045999  0.000987    -4.768
.
23411       0    -1.174  0.696729 -0.013939 -0.031734  0.019467 -0.722470
23411   2.300    -1.174  0.696729 -0.013939 -0.031734 -0.012592  0.879942
.
23421       0 -0.488195  0.658538 -0.021222 -0.020835  0.037975 -0.718289
23421   2.300 -0.488195  0.658538 -0.021222 -0.020835 -0.010834  0.796287
.
23431       0 -0.200165  0.303820 -0.023653 -0.012497  0.046050 -0.335060
23431   2.300 -0.200165  0.303820 -0.023653 -0.012497 -0.008349  0.363696
.
23441       0 -0.084103  0.102426 -0.024452 -0.005837  0.049446 -0.111075
23441   2.300 -0.084103  0.102426 -0.024452 -0.005837 -0.006793  0.124496
.
23451       0 -0.049801  1.19E-07 -0.024630 -1.76E-08  0.050368 -1.43E-07
23451   2.300 -0.049801  1.19E-07 -0.024630 -1.76E-08 -0.006279  1.30E-07
.
23461       0 -0.084103 -0.102426 -0.024452  0.005837  0.049445  0.111075
23461   2.300 -0.084103 -0.102426 -0.024452  0.005837 -0.006793 -0.124496
.
23471       0 -0.200165 -0.303820 -0.023652  0.012497  0.046049  0.335061
23471   2.300 -0.200165 -0.303820 -0.023652  0.012497 -0.008349 -0.363697
.
23481       0 -0.488195 -0.658539 -0.021222  0.020835  0.037975  0.718290
23481   2.300 -0.488195 -0.658539 -0.021222  0.020835 -0.010834 -0.796288
.
23491       0    -1.174 -0.696730 -0.013939  0.031734  0.019467  0.722472
23491   2.300    -1.174 -0.696730 -0.013939  0.031734 -0.012592 -0.879944
.
23501       0 -0.660180    -3.694 -0.014439 -0.046026  0.000988     4.762
23501   2.300 -0.660180    -3.694 -0.014439 -0.046026 -0.032220    -3.733
.
```

23601	0	-0.832032	-1.338	-0.006404	-0.013551	0.001234	2.157
23601	2.300	-0.832032	-1.338	-0.006404	-0.013551	-0.013496	-0.920579
.							
23701	0	-0.831841	1.337	0.006405	0.013551	-0.013496	-0.919651
23701	2.300	-0.831841	1.337	0.006405	0.013551	0.001234	2.156
.							
23801	0	-0.661042	3.700	0.014437	0.045999	-0.032218	-3.738
23801	2.300	-0.661042	3.700	0.014437	0.045999	0.000986	4.771
.							
24101	0	0.526137	-1.929	-0.000467	0.000248	-0.012790	2.535
24101	2.300	0.526137	-1.929	-0.000467	0.000248	-0.013864	-1.901
.							
24111	0	1.075	0.592182	-0.012391	0.010383	0.005271	-0.720144
24111	2.300	1.075	0.592182	-0.012391	0.010383	-0.023227	0.641821
.							
24121	0	0.568172	0.676934	-0.007952	0.016734	0.005160	-0.814064
24121	2.300	0.568172	0.676934	-0.007952	0.016734	-0.013129	0.742823
.							
24131	0	0.271379	0.396941	0.000327	0.019771	0.001885	-0.473891
24131	2.300	0.271379	0.396941	0.000327	0.019771	0.002636	0.439036
.							
24141	0	0.101033	0.211198	0.009587	0.019751	-0.001901	-0.257911
24141	2.300	0.101033	0.211198	0.009587	0.019751	0.020149	0.227825
.							
24151	0	-0.061226	0.201456	0.018992	0.016676	-0.006002	-0.250984
24151	2.300	-0.061226	0.201456	0.018992	0.016676	0.037677	0.212347
.							
24161	0	-0.289042	0.426857	0.028070	0.010268	-0.010726	-0.518876
24161	2.300	-0.289042	0.426857	0.028070	0.010268	0.053833	0.462855
.							
24171	0	-0.697862	0.947452	0.036012	-3.49E-05	-0.016316	-1.142
24171	2.300	-0.697862	0.947452	0.036012	-3.49E-05	0.066507	1.037
.							
24181	0	-1.608	1.630	0.040612	-0.015096	-0.022024	-2.003
24181	2.300	-1.608	1.630	0.040612	-0.015096	0.071379	1.747
.							
24191	0	-3.289	1.066	0.034342	-0.036062	-0.021593	-1.386
24191	2.300	-3.289	1.066	0.034342	-0.036062	0.057390	1.065
.							
24201	0	0.624395	-0.861306	0.013568	0.002302	-0.020827	1.389
24201	2.300	0.624395	-0.861306	0.013568	0.002302	0.010377	-0.591560
.							
24211	0	1.901	0.118776	0.014132	0.003813	-0.016918	-0.128530
24211	2.300	1.901	0.118776	0.014132	0.003813	0.015583	0.144644
.							
24221	0	1.425	0.260231	0.013170	0.005262	-0.008265	-0.370327
24221	2.300	1.425	0.260231	0.013170	0.005262	0.022024	0.228180
.							
24231	0	0.785790	0.187669	0.011009	0.006075	0.004071	-0.278605
24231	2.300	0.785790	0.187669	0.011009	0.006075	0.029391	0.153018
.							
24241	0	0.300576	0.116911	0.008316	0.005809	0.017700	-0.184254
24241	2.300	0.300576	0.116911	0.008316	0.005809	0.036826	0.084632
.							
24251	0	-0.147951	0.124249	0.004854	0.004195	0.031052	-0.203281
24251	2.300	-0.147951	0.124249	0.004854	0.004195	0.042216	0.082480
.							
24261	0	-0.834248	0.240278	3.73E-05	0.001159	0.042821	-0.383082
24261	2.300	-0.834248	0.240278	3.73E-05	0.001159	0.042907	0.169536

.							
24271	0	-2.100	0.482337	-0.006308	-0.003143	0.051130	-0.742430
24271	2.300	-2.100	0.482337	-0.006308	-0.003143	0.036623	0.366901
.							
24281	0	-4.089	0.703057	-0.013188	-0.008278	0.052768	-1.050
24281	2.300	-4.089	0.703057	-0.013188	-0.008278	0.022437	0.567449
.							
24291	0	-5.740	0.253959	-0.018608	-0.013510	0.043908	-0.309136
24291	2.300	-5.740	0.253959	-0.018608	-0.013510	0.001111	0.274945
.							
24301	0	0.624798	0.862117	-0.013568	-0.002303	0.010378	-0.592423
24301	2.300	0.624798	0.862117	-0.013568	-0.002303	-0.020828	1.390
.							
24311	0	1.902	-0.118402	-0.014128	-0.003814	0.015582	0.144239
24311	2.300	1.902	-0.118402	-0.014128	-0.003814	-0.016910	-0.128074
.							
24321	0	1.426	-0.261756	-0.013168	-0.005262	0.022024	0.229895
24321	2.300	1.426	-0.261756	-0.013168	-0.005262	-0.008260	-0.372121
.							
24331	0	0.785996	-0.188279	-0.011008	-0.006075	0.029392	0.153684
24331	2.300	0.785996	-0.188279	-0.011008	-0.006075	0.004075	-0.279341
.							
24341	0	0.300610	-0.117618	-0.008315	-0.005808	0.036826	0.085431
24341	2.300	0.300610	-0.117618	-0.008315	-0.005808	0.017703	-0.185080
.							
24351	0	-0.147960	-0.124892	-0.004852	-0.004194	0.042216	0.083212
24351	2.300	-0.147960	-0.124892	-0.004852	-0.004194	0.031056	-0.204029
.							
24361	0	-0.834367	-0.243247	-3.51E-05	-0.001158	0.042826	0.172920
24361	2.300	-0.834367	-0.243247	-3.51E-05	-0.001158	0.042826	-0.386525
.							
24371	0	-2.101	-0.482275	0.006309	0.003144	0.036622	0.366751
24371	2.300	-2.101	-0.482275	0.006309	0.003144	0.051131	-0.742437
.							
24381	0	-4.091	-0.701980	0.013184	0.008278	0.022437	0.566130
24381	2.300	-4.091	-0.701980	0.013184	0.008278	0.052759	-1.048
.							
24391	0	-5.742	-0.251355	0.018598	0.013510	0.001114	0.272052
24391	2.300	-5.742	-0.251355	0.018598	0.013510	0.043887	-0.306042
.							
24401	0	0.528872	1.931	0.000468	-0.000273	-0.013865	-1.903
24401	2.300	0.528872	1.931	0.000468	-0.000273	-0.012789	2.539
.							
24411	0	1.078	-0.593813	0.012380	-0.010383	-0.023212	0.643388
24411	2.300	1.078	-0.593813	0.012380	-0.010383	0.005261	-0.722327
.							
24421	0	0.569100	-0.676474	0.007949	-0.016732	-0.013123	0.742121
24421	2.300	0.569100	-0.676474	0.007949	-0.016732	0.005159	-0.813707
.							
24431	0	0.271453	-0.398986	-0.000327	-0.019770	0.002638	0.441360
24431	2.300	0.271453	-0.398986	-0.000327	-0.019770	0.001886	-0.476271
.							
24441	0	0.100983	-0.213189	-0.009588	-0.019752	0.020152	0.230123
24441	2.300	0.100983	-0.213189	-0.009588	-0.019752	-0.001901	-0.260193
.							
24451	0	-0.061255	-0.203353	-0.018995	-0.016676	0.037683	0.214543
24451	2.300	-0.061255	-0.203353	-0.018995	-0.016676	-0.006004	-0.253151
.							
24461	0	-0.289039	-0.427339	-0.028076	-0.010267	0.053841	0.463420

24461	2.300	-0.289039	-0.427339	-0.028076	-0.010267	-0.010730	-0.519421
.							
24471	0	-0.698163	-0.950349	-0.036016	4.00E-05	0.066512	1.040
24471	2.300	-0.698163	-0.950349	-0.036016	4.00E-05	-0.016321	-1.146
.							
24481	0	-1.610	-1.633	-0.040606	0.015107	0.071369	1.750
24481	2.300	-1.610	-1.633	-0.040606	0.015107	-0.022022	-2.006
.							
24491	0	-3.297	-1.067	-0.034309	0.036067	0.057346	1.066
24491	2.300	-3.297	-1.067	-0.034309	0.036067	-0.021563	-1.389
.							
24501	0	-1.626	-7.541	-0.016821	-0.064242	0.021968	9.653
24501	2.300	-1.626	-7.541	-0.016821	-0.064242	-0.016719	-7.689
.							
24601	0	-1.993	-2.832	-0.027356	-0.017867	0.032485	4.460
24601	2.300	-1.993	-2.832	-0.027356	-0.017867	-0.030431	-2.052
.							
24701	0	-1.994	2.835	0.027358	0.017866	-0.030433	-2.056
24701	2.300	-1.994	2.835	0.027358	0.017866	0.032487	4.464
.							
24801	0	-1.631	7.547	0.016817	0.064169	-0.016714	-7.694
24801	2.300	-1.631	7.547	0.016817	0.064169	0.021963	9.664
.							
25101	0	1.551	-5.309	0.017437	-0.065892	-0.017714	6.810
25101	2.300	1.551	-5.309	0.017437	-0.065892	0.022390	-5.400
.							
25111	0	3.136	0.739699	-0.029510	-0.042386	0.020189	-0.957235
25111	2.300	3.136	0.739699	-0.029510	-0.042386	-0.047680	0.744005
.							
25121	0	1.729	1.379	-0.038763	-0.024021	0.022007	-1.700
25121	2.300	1.729	1.379	-0.038763	-0.024021	-0.067145	1.471
.							
25131	0	0.839388	0.841394	-0.038023	-0.009910	0.017786	-1.019
25131	2.300	0.839389	0.841394	-0.038023	-0.009910	-0.069662	0.915879
.							
25141	0	0.446725	0.275213	-0.033959	0.000791	0.013368	-0.340840
25141	2.300	0.446725	0.275213	-0.033959	0.000791	-0.064736	0.292125
.							
25151	0	0.270307	-0.119638	-0.028659	0.008791	0.009735	0.122475
25151	2.300	0.270307	-0.119638	-0.028659	0.008791	-0.056177	-0.152683
.							
25161	0	0.190694	-0.385125	-0.022916	0.014654	0.006857	0.431203
25161	2.300	0.190694	-0.385125	-0.022916	0.014654	-0.045848	-0.454549
.							
25171	0	0.154493	-0.567253	-0.016981	0.018808	0.004423	0.639819
25171	2.300	0.154493	-0.567253	-0.016981	0.018808	-0.034633	-0.664810
.							
25181	0	0.103325	-0.687299	-0.010577	0.021562	0.001690	0.768972
25181	2.300	0.103325	-0.687299	-0.010577	0.021562	-0.022637	-0.811753
.							
25191	0	-0.088829	-0.734137	-0.001769	0.023115	-0.004053	0.794126
25191	2.300	-0.088829	-0.734137	-0.001769	0.023115	-0.008121	-0.894322
.							
25201	0	1.925	-2.079	0.023120	-0.019038	-0.025666	3.272
25201	2.300	1.925	-2.079	0.023120	-0.019038	0.027507	-1.508
.							
25211	0	5.353	0.094043	0.014271	-0.015479	-0.037020	-0.084208
25211	2.300	5.353	0.094043	0.014271	-0.015479	-0.004197	0.132083
.							
25221	0	4.205	0.524008	0.009726	-0.011077	-0.049183	-0.781489
25221	2.300	4.205	0.524008	0.009726	-0.011077	-0.026815	0.423681
.							
25231	0	2.472	0.378063	0.004096	-0.006439	-0.053127	-0.591541
25231	2.300	2.472	0.378063	0.004096	-0.006439	-0.043707	0.277970
.							
25241	0	1.285	0.144192	-0.001246	-0.002050	-0.050983	-0.257611
25241	2.300	1.285	0.144192	-0.001246	-0.002050	-0.053848	0.074017
.							
25251	0	0.685351	-0.038504	-0.005052	0.001776	-0.045268	0.000707
25251	2.300	0.685351	-0.038504	-0.005052	0.001776	-0.056886	-0.087849
.							
25261	0	0.443752	-0.150351	-0.006886	0.004883	-0.037585	0.151825
25261	2.300	0.443752	-0.150351	-0.006886	0.004883	-0.053423	-0.193968
.							
25271	0	0.325113	-0.207745	-0.006870	0.007229	-0.028823	0.217366
25271	2.300	0.325113	-0.207745	-0.006870	0.007229	-0.044623	-0.260428
.							
25281	0	0.117995	-0.210753	-0.005340	0.008838	-0.019546	0.198135
25281	2.300	0.117995	-0.210753	-0.005340	0.008838	-0.031827	-0.286577
.							
25291	0	-0.388386	-0.154479	-0.002213	0.009760	-0.010904	0.089436
25291	2.300	-0.388386	-0.154479	-0.002213	0.009760	-0.015995	-0.265851
.							
25301	0	1.925	2.081	-0.023121	0.019036	0.027509	-1.511
25301	2.300	1.925	2.081	-0.023121	0.019036	-0.025668	3.275
.							
25311	0	5.355	-0.091912	-0.014262	0.015478	-0.004200	0.129709
25311	2.300	5.355	-0.091912	-0.014262	0.015478	-0.037002	-0.081680
.							
25321	0	4.206	-0.522982	-0.009721	0.011076	-0.026815	0.422449
25321	2.300	4.206	-0.522982	-0.009721	0.011076	-0.049173	-0.780362
.							
25331	0	2.473	-0.377908	-0.004097	0.006439	-0.043708	0.277727
25331	2.300	2.473	-0.377908	-0.004097	0.006439	-0.053127	-0.591428
.							
25341	0	1.285	-0.144540	0.001243	0.002051	-0.053847	0.074387
25341	2.300	1.285	-0.144540	0.001243	0.002051	-0.050989	-0.258041
.							
25351	0	0.685393	0.037880	0.005049	-0.001776	-0.056886	-0.087137
25351	2.300	0.685393	0.037880	0.005049	-0.001776	-0.045274	-1.74E-05
.							
25361	0	0.443791	0.149557	0.006884	-0.004883	-0.053422	-0.193056
25361	2.300	0.443791	0.149557	0.006884	-0.004883	-0.037589	0.150911
.							
25371	0	0.325149	0.206851	0.006870	-0.007229	-0.044623	-0.259407
25371	2.300	0.325149	0.206851	0.006870	-0.007229	-0.028821	0.216332
.							
25381	0	0.117945	0.209844	0.005341	-0.008837	-0.031827	-0.285552
25381	2.300	0.117945	0.209844	0.005341	-0.008837	-0.019544	0.197070
.							
25391	0	-0.388664	0.153684	0.002215	-0.009760	-0.015995	-0.264972
25391	2.300	-0.388664	0.153684	0.002215	-0.009760	-0.010901	0.088487
.							
25401	0	1.555	5.314	-0.017434	0.065826	0.022386	-5.404
25401	2.300	1.555	5.314	-0.017434	0.065826	-0.017711	6.818
.							
25411	0	3.144	-0.740445	0.029478	0.042389	-0.047638	0.744385
25411	2.300	3.144	-0.740445	0.029478	0.042389	0.020159	-0.958572

```
.
25421       0     1.732    -1.381   0.038756  0.024032 -0.067132     1.473
25421   2.300     1.732    -1.381   0.038756  0.024032  0.022003    -1.703
.
25431       0  0.839860 -0.843516   0.038027  0.009916 -0.069667  0.918213
25431   2.300  0.839860 -0.843516   0.038027  0.009916  0.017791    -1.022
.
25441       0  0.446729 -0.277471   0.033966 -0.000789 -0.064745  0.294721
25441   2.300  0.446729 -0.277471   0.033966 -0.000789  0.013373 -0.343438
.
25451       0  0.270339  0.119029   0.028664 -0.008792 -0.056185 -0.151970
25451   2.300  0.270339  0.119029   0.028664 -0.008792  0.009739  0.121785
.
25461       0  0.190783  0.384350   0.022919 -0.014656 -0.045852 -0.453649
25461   2.300  0.190783  0.384350   0.022919 -0.014656  0.006859  0.430319
.
25471       0  0.154603  0.566343   0.016981 -0.018810 -0.034633 -0.663764
25471   2.300  0.154603  0.566343   0.016981 -0.018810  0.004422  0.638774
.
25481       0  0.103319  0.686265   0.010575 -0.021562 -0.022633 -0.810592
25481   2.300  0.103319  0.686265   0.010575 -0.021562  0.001688  0.767754
.
25491       0 -0.089436  0.732975   0.001765 -0.023113 -0.008116 -0.893092
25491   2.300 -0.089436  0.732975   0.001765 -0.023113 -0.004056  0.792683
.
25501       0 -0.671994 -0.778206   0.019550  0.023552 -0.025391  0.786303
25501   2.300 -0.671994 -0.778206   0.019550  0.023552  0.019573    -1.003
.
25601       0    -1.346 -0.064299   0.005981  0.010046 -0.009171 -0.064219
25601   2.300    -1.346 -0.064299   0.005981  0.010046  0.004585 -0.212102
.
25701       0    -1.347  0.063719  -0.005981 -0.010045  0.004585 -0.211479
25701   2.300    -1.347  0.063719  -0.005981 -0.010045 -0.009170 -0.064930
.
25801       0 -0.673930  0.777136  -0.019548 -0.023545  0.019571    -1.002
25801   2.300 -0.673930  0.777136  -0.019548 -0.023545 -0.025388  0.784929
.
.ID Hip¢tesi  23
.SK 4
.TP 20
CARGAS:                         ''                                  Ejec.  "HIP"
==========================================================================
Hip¢tesis      Factor         Etapa      T¡tulo
 23            1.0000                    gradiente t,rmico 14 c
==========================================================================
.ID REA3,STATIK2,1.58
.UN  M,KN
.EL !LHIP.014
.SK 3
.TP 12
.TK 4
REACCIONES EN APOYOS:
NUDOS            FX          FY          FZ          MX          MY          MZ
                [kN]        [kN]        [kN]       [kNm]       [kNm]       [kNm]
--------------------------------------------------------------------------------
 1101      0.000124   -8.53E-07    0.053750
 1201      0.000124   -8.19E-07    0.070296
 1301      0.000124   -7.65E-07    0.076707
 1401      0.000124   -7.20E-07    0.070296
 1501      0.000124   -7.13E-07    0.053750
 5111     -0.000124   -7.87E-07    0.053813
 5211     -0.000124   -7.52E-07    0.070511
 5311     -0.000123   -6.99E-07    0.076913
 5411     -0.000123   -6.54E-07    0.070511
 5511     -0.000123   -6.47E-07    0.053813
11113     -0.340644   -4.23E-07   -0.319555   4.33E-06      -3.263   0.000198
11313     -0.723328    3.82E-06   -0.005570  -3.92E-05      -6.720   8.36E-05
11513      0.723322    3.98E-06   -0.005300  -4.09E-05       6.721  -7.47E-05
11713      0.340647    2.79E-08   -0.319934  -2.90E-07       3.264  -0.000191
. ------------------------------------
. Sumas:           0   1.50E-11          0
.ID SKR3,STATIK2,1.58
.UN  M,KN
.EL !LHIP.014
.SK 3
.TP 12
.TK 4
ESFUERZOS:
Barra Distancia          N          Vy          Vz          Mx          My          Mz
          [m]       [kN]        [kN]        [kN]       [kNm]       [kNm]       [kNm]
--------------------------------------------------------------------------------
 1101       0 -0.000167 -0.000106   0.055343 -0.002238   0.002457  3.98E-05
 1101   1.270 -0.000167 -0.000106   0.055343 -0.002238   0.072740 -9.44E-05
.
 1102       0 -0.000235 -0.000156   0.055790 -0.002602   0.074569 -2.16E-05
 1102   1.270 -0.000235 -0.000156   0.055790 -0.002602   0.145419 -0.000220
.
 1103       0 -0.000325 -0.000180   0.054703 -0.002466   0.146762 -0.000121
 1103   1.270 -0.000325 -0.000180   0.054703 -0.002466   0.216232 -0.000343
.
 1104       0 -0.000408 -0.000174   0.052520 -0.002095   0.217938 -0.000261
 1104   1.270 -0.000408 -0.000174   0.052520 -0.002095   0.284636 -0.000482
.
 1105       0 -0.000419 -9.91E-05   0.051306 -0.001516   0.285928 -0.000483
 1105   1.270 -0.000419 -9.91E-05   0.051306 -0.001516   0.351083 -0.000609
.
 1106       0 -0.000219  0.000141   0.047425 -0.000691   0.352240 -0.000363
 1106   1.270 -0.000219  0.000141   0.047425 -0.000691   0.412468 -0.000684
.
 1107       0  0.000436  0.000705   0.045200  0.000442   0.413614 -0.001481
 1107   1.270  0.000436  0.000705   0.045200  0.000442   0.471015 -0.000580
.
 1108       0  0.001851  0.001939   0.043139  0.001947   0.469771 -0.002293
 1108   1.270  0.001851  0.001939   0.043139  0.001947   0.524555  0.000164
.
 1109       0  0.004007  0.004611   0.038853  0.003817   0.521963 -0.002500
 1109   1.270  0.004007  0.004611   0.038853  0.003817   0.571304  0.000356
.
 1110       0  0.004974  0.009523   0.036391  0.005676   0.567635  0.002063
 1110   1.270  0.004974  0.009523   0.036391  0.005676   0.613850  0.014157
.
 1201       0 -9.26E-05 -6.15E-05   0.069088 -0.002526 -0.000570  6.02E-05
 1201   1.270 -9.26E-05 -6.15E-05   0.069088 -0.002526   0.087167 -1.80E-05
.
 1202       0 -3.94E-05 -0.000118   0.070130 -0.002781   0.085332  7.66E-05
 1202   1.270 -3.94E-05 -0.000118   0.070130 -0.002781   0.174394 -7.37E-05
.
 1203       0  3.51E-05 -0.000167   0.069626 -0.002530   0.172609  4.59E-05
```

1203	1.270	3.51E-05	-0.000167	0.069626	-0.002530	0.261031	-0.000166
1204	0	0.000117	-0.000191	0.069731	-0.002052	0.260461	-7.35E-05
1204	1.270	0.000117	-0.000191	0.069731	-0.002052	0.349015	-0.000316
1205	0	0.000177	-0.000121	0.071975	-0.001371	0.348560	-0.000377
1205	1.270	0.000177	-0.000121	0.071975	-0.001371	0.439964	-0.000531
1206	0	0.000149	0.000248	0.074226	-0.000468	0.439085	-0.001012
1206	1.270	0.000149	0.000248	0.074226	-0.000468	0.533349	-0.000697
1207	0	-8.76E-05	0.001369	0.077554	0.000679	0.532772	-0.002047
1207	1.270	-8.76E-05	0.001369	0.077554	0.000679	0.631262	-0.000308
1208	0	-0.000719	0.003905	0.079846	0.002091	0.630441	-0.003024
1208	1.270	-0.000719	0.003905	0.079846	0.002091	0.731841	0.001936
1209	0	-0.001824	0.008095	0.082748	0.003762	0.733821	-0.001897
1209	1.270	-0.001824	0.008095	0.082748	0.003762	0.838907	0.008384
1210	0	-0.002372	0.012343	0.087221	0.005485	0.841831	0.006957
1210	1.270	-0.002372	0.012343	0.087221	0.005485	0.952598	0.022632
1301	0	-7.77E-05	2.65E-05	0.075962	4.77E-10	-0.001373	-2.66E-05
1301	1.270	-7.77E-05	2.65E-05	0.075962	4.77E-10	0.095094	7.05E-06
1302	0	-1.45E-05	3.83E-05	0.076946	8.55E-10	0.092687	-3.05E-05
1302	1.270	-1.45E-05	3.83E-05	0.076946	8.55E-10	0.190405	1.82E-05
1303	0	5.52E-05	4.04E-05	0.077033	1.31E-09	0.188208	-2.61E-05
1303	1.270	5.52E-05	4.04E-05	0.077033	1.31E-09	0.286037	2.53E-05
1304	0	9.78E-05	3.85E-05	0.079354	1.78E-09	0.283878	-2.06E-05
1304	1.270	9.78E-05	3.85E-05	0.079354	1.78E-09	0.384654	2.82E-05
1305	0	3.90E-05	3.56E-05	0.079144	2.11E-09	0.383067	-1.63E-05
1305	1.270	3.90E-05	3.56E-05	0.079144	2.11E-09	0.483576	2.89E-05
1306	0	-0.000270	3.27E-05	0.079344	2.04E-09	0.483847	-1.30E-05
1306	1.270	-0.000270	3.27E-05	0.079344	2.04E-09	0.584610	2.85E-05
1307	0	-0.001071	2.98E-05	0.080011	1.35E-09	0.586297	-1.02E-05
1307	1.270	-0.001071	2.98E-05	0.080011	1.35E-09	0.687907	2.77E-05
1308	0	-0.002607	2.74E-05	0.081765	1.68E-10	0.687780	-7.45E-06
1308	1.270	-0.002607	2.74E-05	0.081765	1.68E-10	0.791617	2.74E-05
1309	0	-0.004682	2.76E-05	0.079789	-1.50E-09	0.792334	-3.39E-06
1309	1.270	-0.004682	2.76E-05	0.079789	-1.50E-09	0.893662	3.17E-05
1310	0	-0.005501	3.26E-05	0.078217	-1.24E-08	0.896347	8.65E-06
1310	1.270	-0.005501	3.26E-05	0.078217	-1.24E-08	0.995678	5.01E-05
1401	0	-9.60E-05	0.000114	0.069088	0.002526	-0.000570	-0.000109
1401	1.270	-9.60E-05	0.000114	0.069088	0.002526	0.087167	3.63E-05
1402	0	-5.02E-05	0.000184	0.070130	0.002781	0.085332	-0.000124
1402	1.270	-5.02E-05	0.000184	0.070130	0.002781	0.174394	0.000110

1403	0	9.04E-06	0.000230	0.069626	0.002536	0.172609	-8.20E-05
1403	1.270	9.04E-06	0.000230	0.069626	0.002536	0.261031	0.000211
1404	0	7.37E-05	0.000251	0.069731	0.002052	0.260461	4.52E-05
1404	1.270	7.37E-05	0.000251	0.069731	0.002052	0.349015	0.000364
1405	0	0.000117	0.000178	0.071976	0.001371	0.348560	0.000354
1405	1.270	0.000117	0.000178	0.071976	0.001371	0.439966	0.000580
1406	0	7.51E-05	-0.000194	0.074228	0.000468	0.439084	0.000993
1406	1.270	7.51E-05	-0.000194	0.074228	0.000468	0.533350	0.000746
1407	0	-0.000175	-0.001319	0.077554	-0.000679	0.532772	0.002034
1407	1.270	-0.000175	-0.001319	0.077554	-0.000679	0.631262	0.000358
1408	0	-0.000818	-0.003860	0.079846	-0.002091	0.630441	0.003018
1408	1.270	-0.000818	-0.003860	0.079846	-0.002091	0.731841	-0.001884
1409	0	-0.001935	-0.008058	0.082748	-0.003762	0.733821	0.001902
1409	1.270	-0.001935	-0.008058	0.082748	-0.003762	0.838907	-0.008331
1410	0	-0.002495	-0.012314	0.087196	-0.005485	0.841847	-0.006936
1410	1.270	-0.002495	-0.012314	0.087196	-0.005485	0.952582	-0.022575
1501	0	-0.000188	2.20E-05	0.055343	0.002239	0.002457	-7.20E-05
1501	1.270	-0.000188	2.20E-05	0.055343	0.002239	0.072740	-4.41E-05
1502	0	-0.000282	4.66E-05	0.055790	0.002602	0.074569	-0.000152
1502	1.270	-0.000282	4.66E-05	0.055790	0.002602	0.145419	-9.25E-05
1503	0	-0.000395	7.10E-05	0.054703	0.002466	0.146762	-0.000220
1503	1.270	-0.000395	7.10E-05	0.054703	0.002466	0.216232	-0.000130
1504	0	-0.000502	7.26E-05	0.052520	0.002095	0.217938	-0.000247
1504	1.270	-0.000502	7.26E-05	0.052520	0.002095	0.284635	-0.000154
1505	0	-0.000535	1.67E-06	0.051307	0.001516	0.285927	-0.000181
1505	1.270	-0.000535	1.67E-06	0.051307	0.001516	0.351084	-0.000179
1506	0	-0.000357	-0.000229	0.047427	0.000691	0.352238	4.83E-05
1506	1.270	-0.000357	-0.000229	0.047427	0.000691	0.412469	-0.000242
1507	0	0.000277	-0.000788	0.045202	-0.000442	0.413612	0.000526
1507	1.270	0.000277	-0.000788	0.045202	-0.000442	0.471015	-0.000474
1508	0	0.001672	-0.002018	0.043143	-0.001947	0.469768	0.001217
1508	1.270	0.001672	-0.002018	0.043143	-0.001947	0.524557	-0.001346
1509	0	0.003814	-0.004679	0.038862	-0.003817	0.521959	0.001302
1509	1.270	0.003814	-0.004679	0.038862	-0.003817	0.571312	-0.004641
1510	0	0.004774	-0.009589	0.036395	-0.005676	0.567649	-0.003355
1510	1.270	0.004774	-0.009589	0.036395	-0.005676	0.613870	-0.015532
2101	0	0.045770	0.010275	0.024244	-0.009245	0.664642	-0.015378
2101	1.390	0.045770	0.010275	0.024244	-0.009245	0.698339	-0.001096
2102	0	0.049615	0.005583	0.021115	-0.006945	0.705857	-0.005618
2102	1.390	0.049615	0.005583	0.021115	-0.006945	0.735205	0.002141

2103	0	0.053718	0.002927	0.014769	-0.004587	0.739791	-0.002699
2103	1.390	0.053718	0.002927	0.014769	-0.004587	0.760319	0.001369
2104	0	0.056427	0.001580	0.011355	-0.002560	0.762311	-0.001806
2104	1.390	0.056427	0.001580	0.011355	-0.002560	0.778094	0.000390
2105	0	0.058161	0.001035	0.002878	-0.000784	0.778793	-0.001654
2105	1.390	0.058161	0.001035	0.002878	-0.000784	0.782794	-0.000215
2106	0	0.059692	0.001183	-0.002121	0.000907	0.783370	-0.002038
2106	1.390	0.059692	0.001183	-0.002121	0.000907	0.780421	-0.000394
2107	0	0.061934	0.002187	-0.007795	0.002697	0.778922	-0.003054
2107	1.390	0.061934	0.002187	-0.007795	0.002697	0.768087	-1.50E-05
2108	0	0.065962	0.004558	-0.013510	0.004753	0.764995	-0.004792
2108	1.390	0.065962	0.004558	-0.013510	0.004753	0.746217	0.001543
2109	0	0.072418	0.009714	-0.019927	0.007164	0.742324	-0.006226
2109	1.390	0.072418	0.009714	-0.019927	0.007164	0.714627	0.007275
2110	0	0.077755	0.019790	-0.023493	0.009588	0.709311	0.000720
2110	1.390	0.077755	0.019790	-0.023493	0.009588	0.676656	0.028227
2201	0	0.082066	0.013217	-0.018695	-0.009184	1.028	-0.021988
2201	1.390	0.082066	0.013217	-0.018695	-0.009184	1.002	-0.003617
2202	0	0.079206	0.009039	-0.014950	-0.007068	0.996802	-0.008973
2202	1.390	0.079206	0.009039	-0.014950	-0.007068	0.976022	0.003591
2203	0	0.076752	0.004897	-0.011540	-0.004871	0.974310	-0.003207
2203	1.390	0.076752	0.004897	-0.011540	-0.004871	0.958270	0.003599
2204	0	0.075326	0.002429	-0.005258	-0.002827	0.957812	-0.001209
2204	1.390	0.075326	0.002429	-0.005258	-0.002827	0.950504	0.002167
2205	0	0.074518	0.001437	-0.000114	-0.000898	0.949294	-0.001050
2205	1.390	0.074518	0.001437	-0.000114	-0.000898	0.949135	0.000947
2206	0	0.073870	0.001648	0.002524	0.000990	0.949246	-0.001988
2206	1.390	0.073870	0.001648	0.002524	0.000990	0.952755	0.000303
2207	0	0.072894	0.003477	0.008931	0.002918	0.953291	-0.003995
2207	1.390	0.072894	0.003477	0.008931	0.002918	0.965704	0.000838
2208	0	0.070965	0.008099	0.012415	0.004958	0.966464	-0.006641
2208	1.390	0.070965	0.008099	0.012415	0.004958	0.983721	0.004616
2209	0	0.067462	0.016266	0.017148	0.007146	0.986499	-0.006592
2209	1.390	0.067462	0.016266	0.017148	0.007146	1.010	0.016017
2210	0	0.063974	0.024784	0.021021	0.009242	1.015	0.008137
2210	1.390	0.063974	0.024784	0.021021	0.009242	1.044	0.042586
2301	0	0.084685	3.19E-05	-0.005161	-8.14E-09	1.075	-2.63E-05
2301	1.390	0.084685	3.19E-05	-0.005161	-8.14E-09	1.068	1.81E-05
2302	0	0.082737	2.15E-05	-0.004990	2.45E-09	1.062	-5.27E-06
2302	1.390	0.082737	2.15E-05	-0.004990	2.45E-09	1.055	2.46E-05
2303	0	0.079456	1.31E-05	-0.005783	4.68E-09	1.051	4.04E-06
2303	1.390	0.079456	1.31E-05	-0.005783	4.68E-09	1.043	2.23E-05
2304	0	0.076902	7.22E-06	-0.003330	6.49E-09	1.040	8.57E-06
2304	1.390	0.076902	7.22E-06	-0.003330	6.49E-09	1.036	1.86E-05
2305	0	0.075056	2.40E-06	-0.001549	7.43E-09	1.035	1.17E-05
2305	1.390	0.075056	2.40E-06	-0.001549	7.43E-09	1.033	1.51E-05
2306	0	0.073288	-2.29E-06	0.000146	6.96E-09	1.033	1.45E-05
2306	1.390	0.073288	-2.29E-06	0.000146	6.96E-09	1.038	1.14E-05
2307	0	0.070751	-6.83E-06	0.000000	4.83E-09	1.038	1.65E-05
2307	1.390	0.070751	-6.83E-06	0.000000	4.83E-09	1.047	7.02E-06
2308	0	0.066546	-9.65E-06	0.000632	1.78E-09	1.049	1.63E-05
2308	1.390	0.066546	-9.65E-06	0.000632	1.78E-09	1.060	2.85E-06
2309	0	0.060630	-6.96E-06	0.000469	1.22E-09	1.064	1.25E-05
2309	1.390	0.060630	-6.96E-06	0.000469	1.22E-09	1.074	2.82E-06
2310	0	0.056929	4.34E-06	0.000526	6.00E-09	1.079	7.42E-06
2310	1.390	0.056929	4.34E-06	0.000526	6.00E-09	1.091	1.35E-05
2401	0	0.081951	-0.013170	-0.018722	0.009184	1.028	0.021960
2401	1.390	0.081951	-0.013170	-0.018722	0.009184	1.002	0.003654
2402	0	0.079080	-0.009010	-0.014950	0.007068	0.996802	0.008975
2402	1.390	0.079080	-0.009010	-0.014950	0.007068	0.976022	-0.003548
2403	0	0.076617	-0.004878	-0.011540	0.004871	0.974310	0.003220
2403	1.390	0.076617	-0.004878	-0.011540	0.004871	0.958270	-0.003560
2404	0	0.075185	-0.002418	-0.005258	0.002827	0.957812	0.001228
2404	1.390	0.075185	-0.002418	-0.005258	0.002827	0.950504	-0.002133
2405	0	0.074374	-0.001433	-0.000110	0.000898	0.949292	0.001073
2405	1.390	0.074374	-0.001433	-0.000110	0.000898	0.949139	-0.000918
2406	0	0.073725	-0.001652	0.002529	-0.000990	0.949242	0.002018
2406	1.390	0.073725	-0.001652	0.002529	-0.000990	0.952757	-0.000279
2407	0	0.072750	-0.003489	0.008931	-0.002918	0.953291	0.004029
2407	1.390	0.072750	-0.003489	0.008931	-0.002918	0.965704	-0.000821
2408	0	0.070821	-0.008120	0.012415	-0.004958	0.966464	0.006678
2408	1.390	0.070821	-0.008120	0.012415	-0.004958	0.983721	-0.004608
2409	0	0.067312	-0.016295	0.017429	-0.007146	0.986369	0.006627
2409	1.390	0.067312	-0.016295	0.017429	-0.007146	1.011	-0.016023
2410	0	0.063805	-0.024802	0.021253	-0.009242	1.015	-0.008117
2410	1.390	0.063805	-0.024802	0.021253	-0.009242	1.044	-0.042591
2501	0	0.045552	-0.010358	0.024233	0.009245	0.664635	0.013898
2501	1.390	0.045552	-0.010358	0.024233	0.009245	0.698317	-0.000499

2502	0	0.049386	-0.005638	0.021126	0.006945	0.705848	0.004012
2502	1.390	0.049386	-0.005638	0.021126	0.006945	0.735211	-0.003824
2503	0	0.053481	-0.002961	0.014916	0.004587	0.739722	0.001009
2503	1.390	0.053481	-0.002961	0.014916	0.004587	0.760454	-0.003107
2504	0	0.056184	-0.001607	0.011499	0.002560	0.762179	6.55E-05
2504	1.390	0.056184	-0.001607	0.011499	0.002560	0.778162	-0.002168
2505	0	0.057915	-0.001043	0.002887	0.000784	0.778788	-0.000124
2505	1.390	0.057915	-0.001043	0.002887	0.000784	0.782801	-0.001574
2506	0	0.059447	-0.001181	-0.002112	-0.000907	0.783361	0.000251
2506	1.390	0.059447	-0.001181	-0.002112	-0.000907	0.780425	-0.001391
2507	0	0.061694	-0.002173	-0.007791	-0.002697	0.778917	0.001278
2507	1.390	0.061694	-0.002173	-0.007791	-0.002697	0.768088	-0.001742
2508	0	0.065730	-0.004532	-0.013501	-0.004753	0.764987	0.003050
2508	1.390	0.065730	-0.004532	-0.013501	-0.004753	0.746222	-0.003250
2509	0	0.072201	-0.009679	-0.019908	-0.007164	0.742313	0.004542
2509	1.390	0.072201	-0.009679	-0.019908	-0.007164	0.714643	-0.008912
2510	0	0.077561	-0.019779	-0.023552	-0.009588	0.709382	-0.002325
2510	1.390	0.077561	-0.019779	-0.023552	-0.009588	0.676645	-0.029817
3101	0	0.157899	0.019974	0.031969	-0.010884	0.782143	-0.029567
3101	1.640	0.157899	0.019974	0.031969	-0.010884	0.834570	0.003189
3102	0	0.168903	0.009668	0.027053	-0.007652	0.842545	-0.009741
3102	1.640	0.168903	0.009668	0.027053	-0.007652	0.886911	0.006113
3103	0	0.177908	0.004578	0.019088	-0.004777	0.891940	-0.004405
3103	1.640	0.177908	0.004578	0.019088	-0.004777	0.923242	0.003102
3104	0	0.182589	0.001995	0.010931	-0.002572	0.927050	-0.002338
3104	1.640	0.182589	0.001995	0.010931	-0.002572	0.944975	0.000933
3105	0	0.184445	0.000548	0.003844	-0.000808	0.946942	-0.001234
3105	1.640	0.184445	0.000548	0.003844	-0.000808	0.953247	-0.000337
3106	0	0.184445	-0.000547	-0.004773	0.000808	0.953939	-0.000337
3106	1.640	0.184445	-0.000547	-0.004773	0.000808	0.946112	-0.001234
3107	0	0.182589	-0.001995	-0.011921	0.002572	0.945576	0.000933
3107	1.640	0.182589	-0.001995	-0.011921	0.002572	0.926026	-0.002338
3108	0	0.177908	-0.004580	-0.018257	0.004777	0.922204	0.003104
3108	1.640	0.177908	-0.004580	-0.018257	0.004777	0.892264	-0.004406
3109	0	0.168903	-0.009668	-0.027108	0.007652	0.886550	0.006114
3109	1.640	0.168903	-0.009668	-0.027108	0.007652	0.842094	-0.009741
3110	0	0.157900	-0.019972	-0.032459	0.010884	0.834379	0.003189
3110	1.640	0.157900	-0.019972	-0.032459	0.010884	0.781148	-0.029564
3201	0	0.246704	0.025669	-0.024768	-0.010512	1.206	-0.041831
3201	1.640	0.246704	0.025669	-0.024768	-0.010512	1.165	0.000265
3202	0	0.239223	0.016004	-0.019597	-0.007782	1.160	-0.016081
3202	1.640	0.239223	0.016004	-0.019597	-0.007782	1.128	0.010164
3203	0	0.234246	0.007622	-0.014036	-0.005166	1.126	-0.005416
3203	1.640	0.234246	0.007622	-0.014036	-0.005166	1.103	0.007084
3204	0	0.231918	0.003099	-0.005489	-0.002924	1.101	-0.001473
3204	1.640	0.231918	0.003099	-0.005489	-0.002924	1.092	0.003609
3205	0	0.231042	0.000819	-0.002826	-0.000944	1.090	0.000154
3205	1.640	0.231042	0.000819	-0.002826	-0.000944	1.085	0.001497
3206	0	0.231042	-0.000819	0.002192	0.000944	1.086	0.001497
3206	1.640	0.231042	-0.000819	0.002192	0.000944	1.089	0.000154
3207	0	0.231918	-0.003099	0.006849	0.002924	1.091	0.003609
3207	1.640	0.231918	-0.003099	0.006849	0.002924	1.102	-0.001473
3208	0	0.234246	-0.007622	0.013478	0.005166	1.103	0.007084
3208	1.640	0.234246	-0.007622	0.013478	0.005166	1.125	-0.005416
3209	0	0.239222	-0.016004	0.019038	0.007782	1.128	0.010164
3209	1.640	0.239222	-0.016004	0.019038	0.007782	1.159	-0.016081
3210	0	0.246704	-0.025672	0.025047	0.010512	1.165	0.000266
3210	1.640	0.246704	-0.025672	0.025047	0.010512	1.206	-0.041834
3301	0	0.254522	2.89E-05	-0.014034	-1.07E-09	1.261	-2.18E-05
3301	1.640	0.254522	2.89E-05	-0.014034	-1.07E-09	1.238	2.56E-05
3302	0	0.247510	2.51E-05	-0.014053	-2.07E-09	1.232	-1.02E-05
3302	1.640	0.247510	2.51E-05	-0.014053	-2.07E-09	1.209	3.10E-05
3303	0	0.239482	1.68E-05	-0.013797	-8.75E-10	1.205	-1.19E-07
3303	1.640	0.239482	1.68E-05	-0.013797	-8.75E-10	1.182	2.75E-05
3304	0	0.234793	9.44E-06	-0.006945	5.56E-10	1.179	6.78E-06
3304	1.640	0.234793	9.44E-06	-0.006945	5.56E-10	1.167	2.23E-05
3305	0	0.232843	3.07E-06	-0.003154	5.26E-10	1.164	1.21E-05
3305	1.640	0.232843	3.07E-06	-0.003154	5.26E-10	1.159	1.72E-05
3306	0	0.232843	-3.04E-06	0.002586	-1.76E-10	1.159	1.71E-05
3306	1.640	0.232843	-3.04E-06	0.002586	-1.76E-10	1.164	1.21E-05
3307	0	0.234793	-9.41E-06	0.008355	-2.02E-10	1.166	2.22E-05
3307	1.640	0.234793	-9.41E-06	0.008355	-2.02E-10	1.180	6.79E-06
3308	0	0.239482	-1.68E-05	0.012052	1.23E-09	1.184	2.74E-05
3308	1.640	0.239482	-1.68E-05	0.012052	1.23E-09	1.203	-1.07E-07
3309	0	0.247510	-2.50E-05	0.014278	2.37E-09	1.209	3.09E-05
3309	1.640	0.247510	-2.50E-05	0.014278	2.37E-09	1.232	-1.01E-05
3310	0	0.254523	-2.83E-05	0.014253	8.23E-10	1.238	2.56E-05
3310	1.640	0.254523	-2.83E-05	0.014253	8.23E-10	1.261	-2.09E-05
3401	0	0.246573	-0.025606	-0.024751	0.010512	1.206	0.041783

3401	1.640	0.246573	-0.025606	-0.024751	0.010512	1.165	-0.000209
3402	0	0.239078	-0.015966	-0.019597	0.007782	1.160	0.016076
3402	1.640	0.239078	-0.015966	-0.019597	0.007782	1.128	-0.010107
3403	0	0.234087	-0.007598	-0.014036	0.005166	1.126	0.005425
3403	1.640	0.234087	-0.007598	-0.014036	0.005166	1.103	-0.007035
3404	0	0.231751	-0.003084	-0.005489	0.002924	1.101	0.001490
3404	1.640	0.231751	-0.003084	-0.005489	0.002924	1.092	-0.003568
3405	0	0.230871	-0.000814	-0.002826	0.000944	1.090	-0.000129
3405	1.640	0.230871	-0.000814	-0.002826	0.000944	1.085	-0.001464
3406	0	0.230871	0.000814	0.002192	-0.000944	1.086	-0.001464
3406	1.640	0.230871	0.000814	0.002192	-0.000944	1.089	-0.000129
3407	0	0.231751	0.003084	0.006849	-0.002924	1.091	-0.003568
3407	1.640	0.231751	0.003084	0.006849	-0.002924	1.102	0.001490
3408	0	0.234087	0.007598	0.013478	-0.005166	1.103	-0.007035
3408	1.640	0.234087	0.007598	0.013478	-0.005166	1.125	0.005425
3409	0	0.239077	0.015966	0.019038	-0.007782	1.128	-0.010107
3409	1.640	0.239077	0.015966	0.019038	-0.007782	1.159	0.016076
3410	0	0.246571	0.025608	0.025028	-0.010512	1.165	-0.000209
3410	1.640	0.246571	0.025608	0.025028	-0.010512	1.206	0.041786
3501	0	0.157654	-0.020067	0.032059	0.010884	0.782045	0.027821
3501	1.640	0.157654	-0.020067	0.032059	0.010884	0.834620	-0.005083
3502	0	0.168638	-0.009732	0.026086	0.007652	0.843337	0.007820
3502	1.640	0.168639	-0.009732	0.026086	0.007652	0.886116	-0.008139
3503	0	0.177630	-0.004621	0.020083	0.004777	0.891124	0.002367
3503	1.640	0.177630	-0.004621	0.020083	0.004777	0.924060	-0.005211
3504	0	0.182301	-0.002019	0.010935	0.002572	0.927047	0.000220
3504	1.640	0.182301	-0.002019	0.010935	0.002572	0.944979	-0.003091
3505	0	0.184152	-0.000556	0.003846	0.000808	0.946942	-0.000928
3505	1.640	0.184152	-0.000556	0.003846	0.000808	0.953249	-0.001841
3506	0	0.184152	0.000557	-0.004774	-0.000808	0.953941	-0.001841
3506	1.640	0.184152	0.000557	-0.004774	-0.000808	0.946112	-0.000928
3507	0	0.182301	0.002019	-0.011925	-0.002572	0.945580	-0.003091
3507	1.640	0.182301	0.002019	-0.011925	-0.002572	0.926023	0.000220
3508	0	0.177630	0.004619	-0.019253	-0.004777	0.923021	-0.005209
3508	1.640	0.177630	0.004619	-0.019253	-0.004777	0.891448	0.002366
3509	0	0.168639	0.009730	-0.026141	-0.007652	0.885755	-0.008137
3509	1.640	0.168639	0.009730	-0.026141	-0.007652	0.842886	0.007820
3510	0	0.157655	0.020065	-0.032553	-0.010884	0.834432	-0.005086
3510	1.640	0.157655	0.020065	-0.032553	-0.010884	0.781047	0.027819

4101	0	0.077755	-0.019789	0.023212	-0.009587	0.678479	0.028224
4101	1.390	0.077755	-0.019789	0.023212	-0.009587	0.710743	0.000718
4102	0	0.072419	-0.009713	0.018215	-0.007162	0.717198	0.007274
4102	1.390	0.072419	-0.009713	0.018215	-0.007162	0.742516	-0.006227
4103	0	0.065963	-0.004560	0.013841	-0.004751	0.746960	0.001544
4103	1.390	0.065963	-0.004560	0.013841	-0.004751	0.766198	-0.004794
4104	0	0.061936	-0.002189	0.008337	-0.002695	0.768290	-1.36E-05
4104	1.390	0.061936	-0.002189	0.008337	-0.002695	0.779879	-0.003056
4105	0	0.059694	-0.001186	0.002937	-0.000906	0.780089	-0.000392
4105	1.390	0.059694	-0.001186	0.002937	-0.000906	0.784172	-0.002040
4106	0	0.058163	-0.001035	-0.004811	0.000785	0.784016	-0.000215
4106	1.390	0.058163	-0.001035	-0.004811	0.000785	0.777329	-0.001653
4107	0	0.056430	-0.001584	-0.009475	0.002560	0.776289	0.000393
4107	1.390	0.056430	-0.001584	-0.009475	0.002560	0.763118	-0.001809
4108	0	0.053721	-0.002926	-0.017047	0.004586	0.761060	0.001369
4108	1.390	0.053721	-0.002926	-0.017047	0.004586	0.737365	-0.002698
4109	0	0.049618	-0.005585	-0.020787	0.006943	0.733791	0.002143
4109	1.390	0.049618	-0.005585	-0.020787	0.006943	0.704899	-0.005619
4110	0	0.045774	-0.010275	-0.025273	0.009242	0.698632	-0.001095
4110	1.390	0.045774	-0.010275	-0.025273	0.009242	0.663504	-0.015376
4201	0	0.063976	-0.024786	-0.021049	-0.009240	1.044	0.042589
4201	1.390	0.063976	-0.024786	-0.021049	-0.009240	1.015	0.008137
4202	0	0.067465	-0.016265	-0.017094	-0.007144	1.010	0.016016
4202	1.390	0.067465	-0.016265	-0.017094	-0.007144	0.986443	-0.006592
4203	0	0.070967	-0.008098	-0.013698	-0.004956	0.984499	0.004615
4203	1.390	0.070967	-0.008098	-0.013698	-0.004956	0.965460	-0.006640
4204	0	0.072896	-0.003476	-0.007050	-0.002916	0.964313	0.000838
4204	1.390	0.072896	-0.003476	-0.007050	-0.002916	0.954514	-0.003994
4205	0	0.073872	-0.001648	-0.003853	-0.000990	0.953677	0.000302
4205	1.390	0.073872	-0.001648	-0.003853	-0.000990	0.948322	-0.001988
4206	0	0.074520	-0.001436	0.000543	0.000898	0.948870	0.000947
4206	1.390	0.074520	-0.001436	0.000543	0.000898	0.949625	-0.001049
4207	0	0.075328	-0.002428	0.005662	0.002827	0.950274	0.002167
4207	1.390	0.075328	-0.002428	0.005662	0.002827	0.958144	-0.001208
4208	0	0.076754	-0.004896	0.010258	0.004870	0.959275	0.003598
4208	1.390	0.076754	-0.004896	0.010258	0.004870	0.973532	-0.003206
4209	0	0.079208	-0.009039	0.015284	0.007066	0.975948	0.003591
4209	1.390	0.079208	-0.009039	0.015284	0.007066	0.997193	-0.008973
4210	0	0.082068	-0.013218	0.019702	0.009181	1.001	-0.003617
4210	1.390	0.082068	-0.013218	0.019702	0.009181	1.028	-0.021989

4301	0	0.056930	-3.42E-06	-0.008453	-6.40E-09	1.091	1.21E-05
4301	1.390	0.056930	-3.42E-06	-0.008453	-6.40E-09	1.079	7.32E-06
4302	0	0.060631	7.79E-06	-0.007381	-8.54E-10	1.074	2.08E-06
4302	1.390	0.060631	7.79E-06	-0.007381	-8.54E-10	1.064	1.29E-05
4303	0	0.066547	1.05E-05	-0.008353	-1.33E-09	1.060	2.24E-06
4303	1.390	0.066547	1.05E-05	-0.008353	-1.33E-09	1.048	1.68E-05
4304	0	0.070753	7.70E-06	-0.005245	-4.40E-09	1.046	6.44E-06
4304	1.390	0.070753	7.70E-06	-0.005245	-4.40E-09	1.039	1.71E-05
4305	0	0.073290	3.18E-06	-0.002571	-6.56E-09	1.037	1.08E-05
4305	1.390	0.073290	3.18E-06	-0.002571	-6.56E-09	1.034	1.52E-05
4306	0	0.075057	-1.51E-06	0.000367	-7.08E-09	1.034	1.45E-05
4306	1.390	0.075057	-1.51E-06	0.000367	-7.08E-09	1.034	1.25E-05
4307	0	0.076903	-6.34E-06	0.003524	-6.17E-09	1.036	1.81E-05
4307	1.390	0.076903	-6.34E-06	0.003524	-6.17E-09	1.041	9.33E-06
4308	0	0.079457	-1.23E-05	0.005696	-4.40E-09	1.043	2.19E-05
4308	1.390	0.079457	-1.23E-05	0.005696	-4.40E-09	1.051	4.83E-06
4309	0	0.082738	-2.07E-05	0.006099	-2.24E-09	1.054	2.45E-05
4309	1.390	0.082738	-2.07E-05	0.006099	-2.24E-09	1.063	-4.37E-06
4310	0	0.084686	-3.12E-05	0.004900	7.99E-09	1.068	1.85E-05
4310	1.390	0.084686	-3.12E-05	0.004900	7.99E-09	1.074	-2.48E-05
4401	0	0.063807	0.024805	-0.021000	0.009240	1.044	-0.042595
4401	1.390	0.063807	0.024805	-0.021000	0.009240	1.015	-0.008117
4402	0	0.067313	0.016296	-0.017094	0.007144	1.010	-0.016024
4402	1.390	0.067313	0.016296	-0.017094	0.007144	0.986443	0.006627
4403	0	0.070822	0.008121	-0.013698	0.004956	0.984499	-0.004609
4403	1.390	0.070822	0.008121	-0.013698	0.004956	0.965460	0.006679
4404	0	0.072751	0.003490	-0.007050	0.002916	0.964313	-0.000821
4404	1.390	0.072751	0.003490	-0.007050	0.002916	0.954514	0.004029
4405	0	0.073726	0.001653	-0.003858	0.000990	0.953680	-0.000279
4405	1.390	0.073726	0.001653	-0.003858	0.000990	0.948318	0.002018
4406	0	0.074375	0.001434	0.000538	-0.000898	0.948874	-0.000919
4406	1.390	0.074375	0.001434	0.000538	-0.000898	0.949623	0.001074
4407	0	0.075185	0.002418	0.005662	-0.002827	0.950274	-0.002133
4407	1.390	0.075185	0.002418	0.005662	-0.002827	0.958144	0.001228
4408	0	0.076617	0.004878	0.010258	-0.004870	0.959275	-0.003560
4408	1.390	0.076617	0.004878	0.010258	-0.004870	0.973532	0.003221
4409	0	0.079081	0.009011	0.015284	-0.007066	0.975948	-0.003549
4409	1.390	0.079081	0.009011	0.015284	-0.007066	0.997193	0.008976
4410	0	0.081951	0.013172	0.019724	-0.009181	1.001	0.003655
4410	1.390	0.081951	0.013172	0.019724	-0.009181	1.028	0.021963
4501	0	0.077562	0.019776	0.023274	0.009587	0.678466	-0.029815
4501	1.390	0.077562	0.019776	0.023274	0.009587	0.710816	-0.002328
4502	0	0.072203	0.009679	0.018196	0.007162	0.717214	-0.008913
4502	1.390	0.072203	0.009679	0.018196	0.007162	0.742505	0.004541
4503	0	0.065731	0.004530	0.013832	0.004751	0.746965	-0.003249
4503	1.390	0.065731	0.004530	0.013832	0.004751	0.766190	0.003048
4504	0	0.061694	0.002170	0.008333	0.002695	0.768292	-0.001741
4504	1.390	0.061694	0.002170	0.008333	0.002695	0.779875	0.001276
4505	0	0.059447	0.001178	0.002928	0.000906	0.780093	-0.001389
4505	1.390	0.059447	0.001178	0.002928	0.000906	0.784163	0.000249
4506	0	0.057915	0.001044	-0.004820	-0.000785	0.784023	-0.001574
4506	1.390	0.057915	0.001044	-0.004820	-0.000785	0.777324	-0.000124
4507	0	0.056184	0.001603	-0.009479	-0.002560	0.776291	-0.002165
4507	1.390	0.056184	0.001603	-0.009479	-0.002560	0.763117	6.29E-05
4508	0	0.053481	0.002962	-0.017053	-0.004586	0.761064	-0.003107
4508	1.390	0.053481	0.002962	-0.017053	-0.004586	0.737361	0.001010
4509	0	0.049385	0.005636	-0.020798	-0.006943	0.733797	-0.003822
4509	1.390	0.049385	0.005636	-0.020798	-0.006943	0.704889	0.004012
4510	0	0.045551	0.010356	-0.025274	-0.009242	0.698618	-0.000497
4510	1.390	0.045551	0.010356	-0.025274	-0.009242	0.663489	0.013896
5101	0	0.004976	-0.009522	-0.036983	-0.005676	0.614272	0.014156
5101	1.270	0.004976	-0.009522	-0.036983	-0.005676	0.567305	0.002064
5102	0	0.004009	-0.004611	-0.038444	-0.003816	0.571151	0.003356
5102	1.270	0.004009	-0.004611	-0.038444	-0.003816	0.522330	-0.002500
5103	0	0.001853	-0.001941	-0.041668	-0.001945	0.523575	0.000165
5103	1.270	0.001853	-0.001941	-0.041668	-0.001945	0.470660	-0.002299
5104	0	0.000438	-0.000704	-0.045642	-0.000440	0.470886	-0.000586
5104	1.270	0.000438	-0.000704	-0.045642	-0.000440	0.412923	-0.001480
5105	0	-0.000216	-0.000138	-0.049160	0.000692	0.413503	-0.000686
5105	1.270	-0.000216	-0.000138	-0.049160	0.000692	0.351073	-0.000862
5106	0	-0.000417	9.92E-05	-0.050814	0.001515	0.350782	-0.000609
5106	1.270	-0.000417	9.92E-05	-0.050814	0.001515	0.286251	-0.000483
5107	0	-0.000406	0.000177	-0.054151	0.002094	0.285788	-0.000484
5107	1.270	-0.000406	0.000177	-0.054151	0.002094	0.217020	-0.000259
5108	0	-0.000323	0.000178	-0.052790	0.002464	0.215308	-0.000349
5108	1.270	-0.000323	0.000178	-0.052790	0.002464	0.148268	-0.000122
5109	0	-0.000234	0.000156	-0.054748	0.002600	0.145043	-0.000220
5109	1.270	-0.000234	0.000156	-0.054748	0.002600	0.075516	-2.18E-05

5110	0	-0.000166	0.000106	-0.055339	0.002236	0.073197	-9.46E-05
5110	1.270	-0.000166	0.000106	-0.055339	0.002236	0.002919	4.02E-05
5201	0	-0.002370	-0.012345	-0.086614	-0.005483	0.952813	0.022635
5201	1.270	-0.002370	-0.012345	-0.086614	-0.005483	0.842817	0.006957
5202	0	-0.001823	-0.008096	-0.083794	-0.003761	0.840109	0.008384
5202	1.270	-0.001823	-0.008096	-0.083794	-0.003761	0.733696	-0.001897
5203	0	-0.000717	-0.003906	-0.080050	-0.002089	0.732412	0.001936
5203	1.270	-0.000717	-0.003906	-0.080050	-0.002089	0.630752	-0.003024
5204	0	-8.60E-05	-0.001370	-0.077264	-0.000678	0.630774	-0.000307
5204	1.270	-8.60E-05	-0.001370	-0.077264	-0.000678	0.532653	-0.002047
5205	0	0.000151	-0.000249	-0.072659	0.000469	0.532324	-0.000696
5205	1.270	0.000151	-0.000249	-0.072659	0.000469	0.440051	-0.001012
5206	0	0.000178	0.000121	-0.073940	0.001371	0.440958	-0.000531
5206	1.270	0.000178	0.000121	-0.073940	0.001371	0.347059	-0.000378
5207	0	0.000118	0.000190	-0.070638	0.002051	0.349141	-0.000316
5207	1.270	0.000118	0.000190	-0.070638	0.002051	0.259435	-7.38E-05
5208	0	3.62E-05	0.000166	-0.069232	0.002529	0.260084	-0.000166
5208	1.270	3.62E-05	0.000166	-0.069232	0.002529	0.172162	4.56E-05
5209	0	-3.84E-05	0.000118	-0.070385	0.002779	0.173648	-7.34E-05
5209	1.270	-3.84E-05	0.000118	-0.070385	0.002779	0.084263	7.62E-05
5210	0	-9.20E-05	6.11E-05	-0.069484	0.002524	0.086335	-1.78E-05
5210	1.270	-9.20E-05	6.11E-05	-0.069484	0.002524	-0.001906	5.97E-05
5301	0	-0.005500	-3.23E-05	-0.078926	1.12E-08	0.896729	4.96E-05
5301	1.270	-0.005500	-3.23E-05	-0.078926	1.12E-08	0.896497	8.60E-06
5302	0	-0.004681	-2.77E-05	-0.079101	1.17E-09	0.893764	3.19E-05
5302	1.270	-0.004681	-2.77E-05	-0.079101	1.17E-09	0.793309	-3.27E-06
5303	0	-0.002606	-2.78E-05	-0.080404	-3.67E-10	0.791158	2.79E-05
5303	1.270	-0.002606	-2.78E-05	-0.080404	-3.67E-10	0.689049	-7.41E-06
5304	0	-0.001070	-3.03E-05	-0.081504	-1.56E-09	0.688551	2.83E-05
5304	1.270	-0.001070	-3.03E-05	-0.081504	-1.56E-09	0.585046	-1.03E-05
5305	0	-0.000269	-3.34E-05	-0.079685	-2.29E-09	0.584771	2.91E-05
5305	1.270	-0.000269	-3.34E-05	-0.079685	-2.29E-09	0.483575	-1.32E-05
5306	0	3.98E-05	-3.63E-05	-0.081151	-2.41E-09	0.484569	2.95E-05
5306	1.270	3.98E-05	-3.63E-05	-0.081151	-2.41E-09	0.381512	-1.67E-05
5307	0	9.84E-05	-3.92E-05	-0.078396	-2.11E-09	0.383578	2.87E-05
5307	1.270	9.84E-05	-3.92E-05	-0.078396	-2.11E-09	0.284019	-2.10E-05
5308	0	5.60E-05	-4.12E-05	-0.076087	-1.66E-09	0.284704	2.57E-05
5308	1.270	5.60E-05	-4.12E-05	-0.076087	-1.66E-09	0.188077	-2.66E-05
5309	0	-1.39E-05	-3.91E-05	-0.077877	-1.22E-09	0.190088	1.86E-05
5309	1.270	-1.39E-05	-3.91E-05	-0.077877	-1.22E-09	0.091188	-3.10E-05

5310	0	-7.71E-05	-2.70E-05	-0.075975	-7.97E-10	0.094019	7.20E-06
5310	1.270	-7.71E-05	-2.70E-05	-0.075975	-7.97E-10	-0.002465	-2.71E-05
5401	0	-0.002495	0.012316	-0.086585	0.005484	0.952794	-0.022577
5401	1.270	-0.002495	0.012316	-0.086585	0.005484	0.842836	-0.006937
5402	0	-0.001935	0.008058	-0.083794	0.003761	0.840109	-0.008331
5402	1.270	-0.001935	0.008058	-0.083794	0.003761	0.733696	0.001902
5403	0	-0.000818	0.003860	-0.080050	0.002089	0.732412	-0.001883
5403	1.270	-0.000818	0.003860	-0.080050	0.002089	0.630752	0.003018
5404	0	-0.000175	0.001319	-0.077264	0.000678	0.630774	0.000359
5404	1.270	-0.000175	0.001319	-0.077264	0.000678	0.532653	0.002034
5405	0	7.53E-05	0.000194	-0.072661	-0.000469	0.532324	0.000747
5405	1.270	7.53E-05	0.000194	-0.072661	-0.000469	0.440049	0.000993
5406	0	0.000117	-0.000179	-0.073942	-0.001371	0.440960	0.000581
5406	1.270	0.000117	-0.000179	-0.073942	-0.001371	0.347058	0.000354
5407	0	7.41E-05	-0.000251	-0.070638	-0.002051	0.349141	0.000364
5407	1.270	7.41E-05	-0.000251	-0.070638	-0.002051	0.259435	4.49E-05
5408	0	9.24E-06	-0.000231	-0.069232	-0.002529	0.260084	0.000211
5408	1.270	9.24E-06	-0.000231	-0.069232	-0.002529	0.172162	-8.24E-05
5409	0	-4.96E-05	-0.000185	-0.070385	-0.002779	0.173648	0.000110
5409	1.270	-4.96E-05	-0.000185	-0.070385	-0.002779	0.084263	-0.000125
5410	0	-9.52E-05	-0.000115	-0.069484	-0.002524	0.086335	3.65E-05
5410	1.270	-9.52E-05	-0.000115	-0.069484	-0.002524	-0.001906	-0.000109
5501	0	0.004772	0.009588	-0.036975	0.005677	0.614284	-0.015530
5501	1.270	0.004772	0.009588	-0.036975	0.005677	0.567329	-0.003354
5502	0	0.003813	0.004679	-0.038453	0.003816	0.571159	-0.004640
5502	1.270	0.003813	0.004679	-0.038453	0.003816	0.522326	0.001302
5503	0	0.001671	0.002017	-0.041672	0.001945	0.523577	-0.001344
5503	1.270	0.001671	0.002017	-0.041672	0.001945	0.470656	0.001217
5504	0	0.000276	0.000789	-0.045644	0.000440	0.470886	-0.000475
5504	1.270	0.000276	0.000789	-0.045644	0.000440	0.412921	0.000527
5505	0	-0.000358	0.000231	-0.049162	-0.000692	0.413504	-0.000244
5505	1.270	-0.000358	0.000231	-0.049162	-0.000692	0.351071	4.99E-05
5506	0	-0.000536	-1.56E-06	-0.050816	-0.001515	0.350783	-0.000179
5506	1.270	-0.000536	-1.56E-06	-0.050816	-0.001515	0.286250	-0.000181
5507	0	-0.000502	-7.01E-05	-0.054151	-0.002094	0.285788	-0.000156
5507	1.270	-0.000502	-7.01E-05	-0.054151	-0.002094	0.217020	-0.000245
5508	0	-0.000396	-7.25E-05	-0.052790	-0.002464	0.215308	-0.000129
5508	1.270	-0.000396	-7.25E-05	-0.052790	-0.002464	0.148268	-0.000221
5509	0	-0.000282	-4.71E-05	-0.054748	-0.002600	0.145043	-9.21E-05

5509	1.270	-0.000282	-4.71E-05	-0.054748	-0.002600	0.075516	-0.000152
.							
5510	0	-0.000187	-2.16E-05	-0.055339	-0.002236	0.073197	-4.43E-05
5510	1.270	-0.000187	-2.16E-05	-0.055339	-0.002236	0.002919	-7.17E-05
.							
11201	0	0.036076	-2.78E-05	-0.723324	-0.029212	0.622977	0.006553
11201	0.825	0.036076	-2.78E-05	-0.723324	-0.029212	0.026258	0.006530
.							
11202	0	-0.024354	-3.01E-05	0.765391	-0.029164	-0.665170	0.007615
11202	0.825	-0.024354	-3.01E-05	0.765391	-0.029164	-0.033748	0.007590
.							
11203	0	0.737277	-2.90E-05	0.036039	0.006529	2.16E-07	0.029212
11203	0.300	0.737277	-2.90E-05	0.036039	0.006529	0.010811	0.029204
.							
11204	0	0.794630	3.05E-05	-0.024357	-0.007589	-1.46E-07	0.029164
11204	0.300	0.794630	3.05E-05	-0.024357	-0.007589	-0.007307	0.029174
.							
11205	0	-0.741470	0.012211	-8.26E-15	-0.001092	-9.91E-20	-0.003473
11205	0.600	-0.741470	0.012211	-8.26E-15	-0.001092	-4.96E-15	0.003853
.							
11208	0	0.104015	-0.029350	0.101701	0.033850	0.038813	0.093282
11208	4.500	0.104015	-0.029350	0.101701	0.033850	0.496448	-0.038790
.							
11209	0	0.104015	0.029351	0.101723	-0.033916	0.038786	-0.093282
11209	4.500	0.104015	0.029351	0.101723	-0.033916	0.496523	0.038791
.							
11210	0	0.101018	-0.012045	0.117520	-0.002906	0.533505	0.013234
11210	4.500	0.101018	-0.012045	0.117520	-0.002906	1.062	-0.040966
.							
11211	0	0.101017	0.012045	0.117561	0.002865	0.533408	-0.013234
11211	4.500	0.101017	0.012045	0.117561	0.002865	1.062	0.040966
.							
11259	0	-0.009019	4.72E-06	-9.91E-08	1.94E-05	-0.004065	0.097944
11259	4.000	-0.009019	4.72E-06	-9.91E-08	1.94E-05	-0.004065	0.097963
.							
11260	0	-0.002847	-0.170296	0.159778	-1.598	-0.132637	0.251464
11260	2.000	-0.002847	-0.170296	0.159778	-1.598	0.186907	-0.089114
.							
11261	0	-0.002847	0.170348	-0.159777	1.598	0.186903	-0.089312
11261	2.000	-0.002847	0.170348	-0.159777	1.598	-0.132638	0.251372
.							
11270	0	0.319555	4.23E-07	0.340652	-0.000198	3.195	4.24E-06
11270	0.200	0.319555	4.23E-07	0.340652	-0.000198	3.263	4.33E-06
.							
11271	0	0.055599	-0.068618	-0.012200	-0.046991	0.028387	0.345250
11271	4.924	0.055599	-0.068618	-0.012200	-0.046991	-0.031689	0.007360
.							
11272	0	0.055600	0.068603	-0.012200	0.046953	0.028387	-0.345302
11272	4.924	0.055600	0.068603	-0.012200	0.046953	-0.031689	-0.007487
.							
11273	0	0.053811	-0.052787	0.027908	-0.169787	-0.076347	-0.247259
11273	6.021	0.053811	-0.052787	0.027908	-0.169787	0.091673	-0.565066
.							
11274	0	0.053812	0.052776	0.027908	0.169781	-0.076348	0.247397
11274	6.021	0.053812	0.052776	0.027908	0.169781	0.091674	0.565137
.							
11281	0	0.001130	-0.057353	0.011667	-0.023386	0.014118	0.056475
11281	2.310	0.001130	-0.057353	0.011667	-0.023386	0.041063	-0.075987
.							
11282	0	0.009093	-0.131868	0.117555	-0.050948	0.055562	0.003191
11282	0.301	0.009093	-0.131868	0.117555	-0.050948	0.090930	-0.036483
.							
11283	0	-0.029270	-0.030369	0.013883	-0.014784	-0.002354	0.001336
11283	2.000	-0.029270	-0.030369	0.013883	-0.014784	0.025411	-0.059399
.							
11284	0	-0.029270	0.030347	-0.013884	0.014812	0.025411	-0.059397
11284	2.000	-0.029270	0.030347	-0.013884	0.014812	-0.002355	0.001294
.							
11285	0	0.009093	0.131475	-0.117546	0.050939	0.090928	-0.036532
11285	0.301	0.009093	0.131475	-0.117546	0.050939	0.055563	0.003025
.							
11286	0	0.001130	0.057355	-0.011667	0.023384	0.041063	-0.076016
11286	2.310	0.001130	0.057355	-0.011667	0.023384	0.014118	0.056450
.							
11301	0	-0.022280	3.02E-05	-0.790129	-0.063680	0.681130	0.009810
11301	0.825	-0.022280	3.02E-05	-0.790129	-0.063680	0.029300	0.009835
.							
11302	0	-0.031217	2.72E-05	0.886436	-0.064346	-0.774565	0.010147
11302	0.825	-0.031217	2.72E-05	0.886436	-0.064346	-0.043284	0.010169
.							
11303	0	0.810762	3.17E-05	-0.022304	0.009836	-1.34E-07	0.063680
11303	0.300	0.810762	3.17E-05	-0.022304	0.009836	-0.006691	0.063690
.							
11304	0	0.932363	-2.84E-05	-0.031167	-0.010170	-1.87E-07	0.064346
11304	0.300	0.932363	-2.84E-05	-0.031167	-0.010170	-0.009350	0.064337
.							
11305	0	-0.752437	0.025153	7.25E-15	-0.000345	9.70E-20	-0.010250
11305	0.600	-0.752437	0.025153	7.25E-15	-0.000345	4.35E-15	0.004841
.							
11308	0	-0.009056	0.021951	0.220406	0.067194	0.007898	-0.075385
11308	4.500	-0.009056	0.021951	0.220406	0.067194	0.399683	0.023391
.							
11309	0	-0.009053	-0.021953	0.220415	-0.067222	0.007888	0.075386
11309	4.500	-0.009053	-0.021953	0.220415	-0.067222	0.399714	-0.023397
.							
11310	0	0.003324	0.000967	0.250144	-0.005512	1.062	-0.000955
11310	4.500	0.003324	0.000967	0.250144	-0.005512	2.188	0.003397
.							
11311	0	0.003336	-0.000968	0.250162	0.005494	1.062	0.000954
11311	4.500	0.003336	-0.000968	0.250162	0.005494	2.188	-0.003402
.							
11359	0	-0.016077	1.32E-06	8.76E-07	8.04E-06	0.004290	0.192658
11359	4.000	-0.016077	1.32E-06	8.76E-07	8.04E-06	0.004293	0.192663
.							
11360	0	0.000722	-0.361653	0.002777	-3.288	-0.001246	0.522194
11360	2.000	0.000722	-0.361653	0.002777	-3.288	0.004307	-0.201083
.							
11361	0	0.000718	0.361675	-0.002794	3.288	0.004345	-0.201167
11361	2.000	0.000718	0.361675	-0.002794	3.288	-0.001242	0.522155
.							
11370	0	0.005570	-3.82E-06	0.723327	-8.36E-05	6.576	-3.84E-05
11370	0.200	0.005570	-3.82E-06	0.723327	-8.36E-05	6.720	-3.92E-05
.							
11371	0	0.009513	-0.141253	-0.007751	-0.090359	0.020825	0.682729
11371	4.924	0.009513	-0.141253	-0.007751	-0.090359	-0.017341	-0.012835
.							
11372	0	0.009510	0.141247	-0.007752	0.090343	0.020830	-0.682750
11372	4.924	0.009510	0.141247	-0.007752	0.090343	-0.017342	0.012783

.							
11373	0	-0.001526	-0.111514	0.000900	-0.344664	-0.000772	-0.494059
11373	6.021	-0.001526	-0.111514	0.000900	-0.344664	0.004644	-1.165
.							
11374	0	-0.001531	0.111509	0.000899	0.344661	-0.000766	0.494118
11374	6.021	-0.001531	0.111509	0.000899	0.344661	0.004643	1.165
.							
11381	0	-0.004947	-0.121601	-0.053267	-0.014366	0.020004	0.127241
11381	2.310	-0.004947	-0.121601	-0.053267	-0.014366	-0.103020	-0.153604
.							
11382	0	-0.000721	-0.280577	-0.008389	-0.028537	-0.084417	0.016621
11382	0.301	-0.000721	-0.280577	-0.008389	-0.028537	-0.086941	-0.067796
.							
11383	0	0.021873	-0.059893	0.000637	-0.025758	-0.011553	0.001817
11383	2.000	0.021873	-0.059893	0.000637	-0.025758	-0.010279	-0.117964
.							
11384	0	0.021871	0.059880	-0.000634	0.025770	-0.010282	-0.117962
11384	2.000	0.021871	0.059880	-0.000634	0.025770	-0.011550	0.001792
.							
11385	0	-0.000724	0.282249	0.008388	0.028533	-0.086938	-0.068098
11385	0.301	-0.000724	0.282249	0.008388	0.028533	-0.084414	0.016822
.							
11386	0	-0.004949	0.121602	0.053267	0.014362	-0.103019	-0.153643
11386	2.310	-0.004949	0.121602	0.053267	0.014362	0.020005	0.127205
.							
11401	0	-0.031479	2.78E-05	-0.895989	0.064341	0.778505	0.010146
11401	0.825	-0.031479	2.78E-05	-0.895989	0.064341	0.039344	0.010168
.							
11402	0	-0.022070	3.13E-05	0.768278	0.063675	-0.674036	0.009809
11402	0.825	-0.022070	3.13E-05	0.768278	0.063675	-0.040232	0.009834
.							
11403	0	0.932363	2.85E-05	-0.031571	0.010170	-1.89E-07	-0.064340
11403	0.300	0.932363	2.85E-05	-0.031571	0.010170	-0.009471	-0.064332
.							
11404	0	0.810763	-3.17E-05	-0.021986	-0.009835	-1.32E-07	-0.063675
11404	0.300	0.810763	-3.17E-05	-0.021986	-0.009835	-0.006596	-0.063684
.							
11405	0	-0.752437	-0.025152	2.92E-14	0.000345	3.50E-19	0.004841
11405	0.600	-0.752437	-0.025152	2.92E-14	0.000345	1.75E-14	-0.010250
.							
11408	0	-0.009155	0.021997	-0.220392	-0.067202	-0.008028	-0.075536
11408	4.500	-0.009155	0.021997	-0.220392	-0.067202	-0.999752	0.023447
.							
11409	0	-0.009151	-0.021998	-0.220400	0.067228	-0.008019	0.075537
11409	4.500	-0.009151	-0.021998	-0.220400	0.067228	-0.999780	-0.023452
.							
11410	0	0.003240	0.000978	-0.250140	0.005512	-1.062	-0.000967
11410	4.500	0.003240	0.000978	-0.250140	0.005512	-2.188	0.003435
.							
11411	0	0.003253	-0.000979	-0.250158	-0.005496	-1.062	0.000966
11411	4.500	0.003253	-0.000979	-0.250158	-0.005496	-2.188	-0.003441
.							
11459	0	-0.016084	-3.29E-06	9.14E-07	-7.15E-06	0.004297	-0.192678
11459	4.000	-0.016084	-3.29E-06	9.14E-07	-7.15E-06	0.004301	-0.192691
.							
11460	0	0.000725	0.361651	0.002641	3.288	-0.001134	-0.522205
11460	2.000	0.000725	0.361651	0.002641	3.288	0.004149	0.201068
.							
11461	0	0.000721	-0.361671	-0.002659	-3.288	0.004189	0.201143
11461	2.000	0.000721	-0.361671	-0.002659	-3.288	-0.001129	-0.522170
.							
11470	0	0.005300	-3.98E-06	-0.723332	7.47E-05	-6.576	-4.01E-05
11470	0.200	0.005300	-3.98E-06	-0.723332	7.47E-05	-6.721	-4.09E-05
.							
11471	0	0.009475	0.141268	-0.007747	0.090371	0.020820	-0.682815
11471	4.924	0.009475	0.141268	-0.007747	0.090371	-0.017330	0.012821
.							
11472	0	0.009471	-0.141264	-0.007749	-0.090357	0.020825	0.682837
11472	4.924	0.009471	-0.141264	-0.007749	-0.090357	-0.017332	-0.012778
.							
11473	0	-0.001574	0.111513	0.000876	0.344684	-0.000707	0.494104
11473	6.021	-0.001574	0.111513	0.000876	0.344684	0.004570	1.165
.							
11474	0	-0.001579	-0.111510	0.000875	-0.344682	-0.000701	-0.494154
11474	6.021	-0.001579	-0.111510	0.000875	-0.344682	0.004569	-1.166
.							
11481	0	-0.004952	0.121604	-0.053320	0.014506	0.020003	-0.127222
11481	2.310	-0.004952	0.121604	-0.053320	0.014506	-0.103144	0.153630
.							
11482	0	-0.000730	0.278300	-0.008498	0.028688	-0.084543	-0.016267
11482	0.301	-0.000730	0.278300	-0.008498	0.028688	-0.087100	0.067465
.							
11483	0	0.021919	0.059903	0.000625	0.025773	-0.011562	-0.001822
11483	2.000	0.021919	0.059903	0.000625	0.025773	-0.010311	0.117979
.							
11484	0	0.021917	-0.059895	-0.000622	-0.025784	-0.010314	0.117982
11484	2.000	0.021917	-0.059895	-0.000622	-0.025784	-0.011558	-0.001803
.							
11485	0	-0.000733	-0.280591	0.008498	-0.028684	-0.087097	0.067856
11485	0.301	-0.000733	-0.280591	0.008498	-0.028684	-0.084540	-0.016565
.							
11486	0	-0.004954	-0.121597	0.053320	-0.014502	-0.103143	0.153659
11486	2.310	-0.004954	-0.121597	0.053320	-0.014502	0.020004	-0.127177
.							
11501	0	-0.024548	-2.93E-05	-0.735814	0.029162	0.652970	0.007612
11501	0.825	-0.024548	-2.93E-05	-0.735814	0.029162	0.045948	0.007584
.							
11502	0	0.036147	-2.84E-05	0.696601	0.029210	-0.610035	0.006553
11502	0.825	0.036147	-2.84E-05	0.696601	0.029210	-0.035362	0.006529
.							
11503	0	0.794629	-3.04E-05	-0.024584	0.007587	-1.48E-07	-0.029162
11503	0.300	0.794629	-3.04E-05	-0.024584	0.007587	-0.007375	-0.029171
.							
11504	0	0.737276	2.89E-05	0.036180	-0.006528	2.17E-07	-0.029210
11504	0.300	0.737276	2.89E-05	0.036180	-0.006528	0.010854	-0.029201
.							
11505	0	-0.741466	-0.012210	1.46E-14	0.001090	1.75E-19	0.003854
11505	0.600	-0.741466	-0.012210	1.46E-14	0.001090	8.75E-15	-0.003472
.							
11508	0	0.104087	-0.029287	-0.101691	-0.033858	-0.038945	0.093056
11508	4.500	0.104087	-0.029287	-0.101691	-0.033858	-0.496537	-0.038731
.							
11509	0	0.104087	0.029287	-0.101713	0.033921	-0.038919	-0.093056
11509	4.500	0.104087	0.029287	-0.101713	0.033921	-0.496609	0.038731
.							
11510	0	0.101144	-0.012054	-0.117521	0.002907	-0.533623	0.013243
11510	4.500	0.101144	-0.012054	-0.117521	0.002907	-1.062	-0.040996
.							

11511	0	0.101144	0.012054	-0.117560	-0.002867	-0.533532	-0.013243
11511	4.500	0.101144	0.012054	-0.117560	-0.002867	-1.063	0.040996
.							
11559	0	-0.009099	-3.75E-06	5.66E-09	-1.86E-05	-0.004051	-0.097974
11559	4.000	-0.009099	-3.75E-06	5.66E-09	-1.86E-05	-0.004051	-0.097989
.							
11560	0	-0.002847	0.170298	0.159967	1.598	-0.132790	-0.251484
11560	2.000	-0.002847	0.170298	0.159967	1.598	0.187131	0.089099
.							
11561	0	-0.002847	-0.170349	-0.159967	-1.598	0.187131	0.089289
11561	2.000	-0.002847	-0.170349	-0.159967	-1.598	-0.132790	-0.251395
.							
11570	0	0.319934	-2.79E-08	-0.340650	0.000190	-3.195	-2.85E-07
11570	0.200	0.319934	-2.79E-08	-0.340650	0.000190	-3.264	-2.90E-07
.							
11571	0	0.055707	0.068629	-0.012248	0.047006	0.028511	-0.345343
11571	4.924	0.055707	0.068629	-0.012248	0.047006	-0.031802	-0.007399
.							
11572	0	0.055707	-0.068614	-0.012248	-0.046969	0.028511	0.345391
11572	4.924	0.055707	-0.068614	-0.012248	-0.046969	-0.031802	0.007521
.							
11573	0	0.053865	0.052789	0.027943	0.169814	-0.076436	0.247313
11573	6.021	0.053865	0.052789	0.027943	0.169814	0.091796	0.565129
.							
11574	0	0.053865	-0.052778	0.027943	-0.169809	-0.076436	-0.247447
11574	6.021	0.053865	-0.052778	0.027943	-0.169809	0.091796	-0.565197
.							
11581	0	0.001119	0.057354	0.011545	0.023465	0.014116	-0.056462
11581	2.310	0.001119	0.057354	0.011545	0.023465	0.040779	0.076000
.							
11582	0	0.009099	0.131492	0.117625	0.051090	0.055272	-0.003122
11582	0.301	0.009099	0.131492	0.117625	0.051090	0.090662	0.036439
.							
11583	0	-0.029207	0.030378	0.013890	0.014796	-0.002396	-0.001341
11583	2.000	-0.029207	0.030378	0.013890	0.014796	0.025383	0.059412
.							
11584	0	-0.029207	-0.030356	-0.013890	-0.014822	0.025383	0.059409
11584	2.000	-0.029207	-0.030356	-0.013890	-0.014822	-0.002396	-0.001300
.							
11585	0	0.009099	-0.132806	-0.117631	-0.051081	0.090663	0.036741
11585	0.301	0.009099	-0.132806	-0.117631	-0.051081	0.055271	-0.003216
.							
11586	0	0.001119	-0.057352	-0.011545	-0.023462	0.040779	0.076024
11586	2.310	0.001119	-0.057352	-0.011545	-0.023462	0.014116	-0.056433
.							
12201	0	0.086958	-9.28E-06	-0.911649	-0.040407	0.954786	0.006770
12201	1.036	0.086958	-9.28E-06	-0.911649	-0.040407	0.010355	0.006761
.							
12202	0	0.019219	-1.17E-05	0.971449	-0.040235	-1.024	0.007749
12202	1.036	0.019219	-1.17E-05	0.971449	-0.040235	-0.017978	0.007737
.							
12203	0	0.923585	-9.20E-06	0.086900	0.006761	5.24E-07	0.040407
12203	0.300	0.923585	-9.20E-06	0.086900	0.006761	0.026070	0.040404
.							
12204	0	0.998302	1.18E-05	0.019268	-0.007737	1.16E-07	0.040235
12204	0.300	0.998302	1.18E-05	0.019268	-0.007737	0.005780	0.040239
.							
12205	0	-0.919931	0.013626	-6.20E-15	-0.001139	-7.43E-20	-0.003234
12205	0.600	-0.919931	0.013626	-6.20E-15	-0.001139	-3.72E-15	0.004942
.							
12301	0	0.020618	1.15E-05	-1.017	-0.084905	1.057	0.009187
12301	1.036	0.020618	1.15E-05	-1.017	-0.084905	0.003664	0.009199
.							
12302	0	0.024458	6.36E-06	1.185	-0.085463	-1.227	0.009401
12302	1.036	0.024458	6.36E-06	1.185	-0.085463	7.47E-05	0.009408
.							
12303	0	1.014	1.16E-05	0.020685	0.009198	1.24E-07	0.084904
12303	0.300	1.014	1.16E-05	0.020685	0.009198	0.006205	0.084908
.							
12304	0	1.173	-6.26E-06	0.024379	-0.009408	1.46E-07	0.085463
12304	0.300	1.173	-6.26E-06	0.024379	-0.009408	0.007314	0.085461
.							
12305	0	-0.937746	0.026721	1.02E-14	-0.000246	1.22E-19	-0.010796
12305	0.600	-0.937746	0.026721	1.02E-14	-0.000246	6.10E-15	0.005236
.							
12401	0	0.024415	6.16E-06	-1.175	0.085467	1.222	0.009399
12401	1.036	0.024415	6.16E-06	-1.175	0.085467	0.005146	0.009406
.							
12402	0	0.020605	1.15E-05	0.999072	0.084908	-1.046	0.009185
12402	1.036	0.020605	1.15E-05	0.999072	0.084908	-0.011311	0.009197
.							
12403	0	1.173	6.27E-06	0.024418	0.009406	1.47E-07	-0.085467
12403	0.300	1.173	6.27E-06	0.024418	0.009406	0.007325	-0.085465
.							
12404	0	1.014	-1.16E-05	0.020604	-0.009197	1.24E-07	-0.084908
12404	0.300	1.014	-1.16E-05	0.020604	-0.009197	0.006181	-0.084912
.							
12405	0	-0.937745	-0.026724	2.89E-14	0.000245	3.47E-19	0.005237
12405	0.600	-0.937745	-0.026724	2.89E-14	0.000245	1.73E-14	-0.010798
.							
12501	0	0.019216	-1.16E-05	-0.978604	0.040237	1.028	0.007745
12501	1.036	0.019216	-1.16E-05	-0.978604	0.040237	0.014272	0.007733
.							
12502	0	0.087163	-9.15E-06	0.911561	0.040409	-0.954740	0.006768
12502	1.036	0.087163	-9.15E-06	0.911561	0.040409	-0.010401	0.006758
.							
12503	0	0.998301	-1.18E-05	0.019237	0.007734	1.15E-07	-0.040237
12503	0.300	0.998301	-1.18E-05	0.019237	0.007734	0.005771	-0.040241
.							
12504	0	0.923584	9.21E-06	0.087168	-0.006758	5.23E-07	-0.040409
12504	0.300	0.923584	9.21E-06	0.087168	-0.006758	0.026150	-0.040406
.							
12505	0	-0.919927	-0.013628	1.42E-14	0.001137	1.70E-19	0.004943
12505	0.600	-0.919927	-0.013628	1.42E-14	0.001137	8.52E-15	-0.003234
.							
13201	0	0.078732	4.30E-08	-0.944758	-4.61E-05	0.986779	-3.01E-08
13201	1.059	0.078732	4.30E-08	-0.944758	-4.61E-05	-0.004681	1.55E-08
.							
13202	0	0.005026	4.03E-08	1.042	-4.36E-05	-1.089	3.34E-08
13202	1.059	0.005026	4.03E-08	1.042	-4.36E-05	0.014834	7.61E-08
.							
13203	0	0.943744	4.32E-08	0.078700	1.56E-08	4.72E-07	4.61E-05
13203	0.300	0.943744	4.32E-08	0.078700	1.56E-08	0.023610	4.61E-05
.							
13204	0	1.020	-4.03E-08	0.005070	-7.61E-08	3.04E-08	4.36E-05
13204	0.300	1.020	-4.03E-08	0.005070	-7.61E-08	0.001521	4.36E-05
.							
13205	0	-0.942961	3.57E-05	-5.73E-15	-7.25E-08	-6.87E-20	1.75E-06

13205	0.600	-0.942961	3.57E-05	-5.73E-15	-7.25E-08	-3.44E-15	2.32E-05
.							
13301	0	0.008567	-3.89E-07	-1.059	-1.66E-05	1.105	9.34E-09
13301	1.059	0.008567	-3.89E-07	-1.059	-1.66E-05	-0.015963	-4.02E-07
.							
13302	0	0.013842	-3.91E-07	1.190	-1.64E-05	-1.259	3.70E-08
13302	1.059	0.013842	-3.91E-07	1.190	-1.64E-05	0.000931	-3.77E-07
.							
13303	0	1.036	-3.86E-07	0.008539	-4.01E-07	5.12E-08	1.66E-05
13303	0.300	1.036	-3.86E-07	0.008539	-4.01E-07	0.002562	1.65E-05
.							
13304	0	1.199	3.87E-07	0.013855	3.75E-07	8.31E-08	1.64E-05
13304	0.300	1.199	3.87E-07	0.013855	3.75E-07	0.004156	1.65E-05
.							
13305	0	-0.964410	1.78E-05	1.03E-14	-3.11E-08	1.24E-19	-4.36E-06
13305	0.600	-0.964410	1.78E-05	1.03E-14	-3.11E-08	6.20E-15	6.33E-06
.							
13401	0	0.013802	-4.03E-07	-1.204	1.43E-05	1.267	3.37E-08
13401	1.059	0.013802	-4.03E-07	-1.204	1.43E-05	-0.008681	-3.93E-07
.							
13402	0	0.008557	-3.97E-07	1.034	1.45E-05	-1.090	7.08E-09
13402	1.059	0.008557	-3.97E-07	1.034	1.45E-05	0.004215	-4.14E-07
.							
13403	0	1.199	-4.03E-07	0.013784	-3.93E-07	8.27E-08	-1.43E-05
13403	0.300	1.199	-4.03E-07	0.013784	-3.93E-07	0.004135	-1.44E-05
.							
13404	0	1.036	4.03E-07	0.008572	4.16E-07	5.14E-08	-1.45E-05
13404	0.300	1.036	4.03E-07	0.008572	4.16E-07	0.002572	-1.44E-05
.							
13405	0	-0.964409	-1.69E-05	2.86E-14	2.76E-08	3.43E-19	6.01E-06
13405	0.600	-0.964409	-1.69E-05	2.86E-14	2.76E-08	1.72E-14	-4.16E-06
.							
13501	0	0.005038	-4.34E-09	-1.044	4.17E-05	1.090	3.35E-08
13501	1.059	0.005038	-4.34E-09	-1.044	4.17E-05	-0.015461	2.89E-08
.							
13502	0	0.078942	-1.94E-09	0.952819	4.43E-05	-1.000	-2.71E-08
13502	1.059	0.078942	-1.94E-09	0.952819	4.43E-05	0.008948	-2.91E-08
.							
13503	0	1.020	-4.70E-09	0.004993	2.91E-08	3.00E-08	-4.17E-05
13503	0.300	1.020	-4.70E-09	0.004993	2.91E-08	0.001498	-4.17E-05
.							
13504	0	0.943742	1.92E-09	0.078971	2.91E-08	4.74E-07	-4.43E-05
13504	0.300	0.943742	1.92E-09	0.078971	2.91E-08	0.023691	-4.43E-05
.							
13505	0	-0.942959	-3.51E-05	1.40E-14	6.95E-08	1.68E-19	2.35E-05
13505	0.600	-0.942959	-3.51E-05	1.40E-14	6.95E-08	8.40E-15	2.47E-06
.							
14201	0	0.086958	9.11E-06	-0.906594	0.040363	0.952167	-0.006770
14201	1.036	0.086958	9.11E-06	-0.906594	0.040363	0.012974	-0.006761
.							
14202	0	0.019220	1.18E-05	0.992699	0.040198	-1.035	-0.007749
14202	1.036	0.019220	1.18E-05	0.992699	0.040198	-0.006971	-0.007737
.							
14203	0	0.923585	9.28E-06	0.086965	-0.006761	5.22E-07	-0.040363
14203	0.300	0.923585	9.28E-06	0.086965	-0.006761	0.026089	-0.040361
.							
14204	0	0.998302	-1.19E-05	0.019204	0.007737	1.15E-07	-0.040197
14204	0.300	0.998302	-1.19E-05	0.019204	0.007737	0.005761	-0.040201
.							

14205	0	-0.920069	-0.013587	-6.20E-15	0.001138	-7.43E-20	0.003251
14205	0.600	-0.920069	-0.013587	-6.20E-15	0.001138	-3.72E-15	-0.004901
.							
14301	0	0.020618	-1.24E-05	-0.993509	0.084897	1.045	-0.009187
14301	1.036	0.020618	-1.24E-05	-0.993509	0.084897	0.015721	-0.009199
.							
14302	0	0.024458	-6.70E-06	1.173	0.085457	-1.221	-0.009401
14302	1.036	0.024458	-6.70E-06	1.173	0.085457	-0.006181	-0.009408
.							
14303	0	1.014	-1.24E-05	0.020671	-0.009199	1.24E-07	-0.084897
14303	0.300	1.014	-1.24E-05	0.020671	-0.009199	0.006201	-0.084901
.							
14304	0	1.173	7.03E-06	0.024433	0.009408	1.47E-07	-0.085457
14304	0.300	1.173	7.03E-06	0.024433	0.009408	0.007330	-0.085455
.							
14305	0	-0.937928	-0.026688	1.02E-14	0.000246	1.22E-19	0.010792
14305	0.600	-0.937928	-0.026688	1.02E-14	0.000246	6.10E-15	-0.005220
.							
14401	0	0.024415	-7.04E-06	-1.160	-0.085463	1.215	-0.009399
14401	1.036	0.024415	-7.04E-06	-1.160	-0.085463	0.012787	-0.009406
.							
14402	0	0.020605	-1.23E-05	1.013	-0.084903	-1.053	-0.009185
14402	1.036	0.020605	-1.23E-05	1.013	-0.084903	-0.004283	-0.009198
.							
14403	0	1.173	-7.07E-06	0.024348	-0.009407	1.46E-07	0.085463
14403	0.300	1.173	-7.07E-06	0.024348	-0.009407	0.007304	0.085461
.							
14404	0	1.014	1.24E-05	0.020637	0.009198	1.24E-07	0.084903
14404	0.300	1.014	1.24E-05	0.020637	0.009198	0.006191	0.084907
.							
14405	0	-0.937927	0.026692	2.89E-14	-0.000245	3.47E-19	-0.005221
14405	0.600	-0.937927	0.026692	2.89E-14	-0.000245	1.73E-14	0.010793
.							
14501	0	0.019216	1.16E-05	-0.997455	-0.040202	1.038	-0.007745
14501	1.036	0.019216	1.16E-05	-0.997455	-0.040202	0.004507	-0.007733
.							
14502	0	0.087163	9.11E-06	0.925981	-0.040367	-0.962210	-0.006768
14502	1.036	0.087163	9.11E-06	0.925981	-0.040367	-0.002931	-0.006758
.							
14503	0	0.998301	1.18E-05	0.019209	-0.007734	1.15E-07	0.040202
14503	0.300	0.998301	1.18E-05	0.019209	-0.007734	0.005763	0.040205
.							
14504	0	0.923584	-9.21E-06	0.087132	0.006758	5.23E-07	0.040367
14504	0.300	0.923584	-9.21E-06	0.087132	0.006758	0.026139	0.040365
.							
14505	0	-0.920066	0.013589	1.42E-14	-0.001137	1.70E-19	-0.004901
14505	0.600	-0.920066	0.013589	1.42E-14	-0.001137	8.52E-15	0.003252
.							
15201	0	0.036076	2.78E-05	-0.698022	0.029352	0.612540	-0.006553
15201	0.825	0.036076	2.78E-05	-0.698022	0.029352	0.036695	-0.006530
.							
15202	0	-0.024354	2.94E-05	0.754430	0.028998	-0.660649	-0.007614
15202	0.825	-0.024354	2.94E-05	0.754430	0.028998	-0.038269	-0.007590
.							
15203	0	0.737277	2.91E-05	0.036099	-0.006529	2.17E-07	-0.029352
15203	0.300	0.737277	2.91E-05	0.036099	-0.006529	0.010829	-0.029343
.							
15204	0	0.794630	-3.06E-05	-0.024331	0.007589	-1.46E-07	-0.028998
15204	0.300	0.794630	-3.06E-05	-0.024331	0.007589	-0.007299	-0.029007

.							
15205	0	-0.741659	-0.012290	-8.26E-15	0.001092	-9.91E-20	0.002253
15205	0.600	-0.741659	-0.012290	-8.26E-15	0.001092	-4.96E-15	-0.005121
.							
15301	0	-0.022279	-3.13E-05	-0.760097	0.063837	0.668742	-0.009810
15301	0.825	-0.022279	-3.13E-05	-0.760097	0.063837	0.041687	-0.009836
.							
15302	0	-0.031216	-2.80E-05	0.914117	0.064151	-0.785983	-0.010147
15302	0.825	-0.031216	-2.80E-05	0.914117	0.064151	-0.031866	-0.010170
.							
15303	0	0.810762	-3.24E-05	-0.022330	-0.009836	-1.34E-07	-0.063837
15303	0.300	0.810762	-3.24E-05	-0.022330	-0.009836	-0.006699	-0.063847
.							
15304	0	0.932363	2.92E-05	-0.031227	0.010171	-1.87E-07	-0.064151
15304	0.300	0.932363	2.92E-05	-0.031227	0.010171	-0.009368	-0.064142
.							
15305	0	-0.752620	-0.025207	7.25E-15	0.000345	8.70E-20	0.008832
15305	0.600	-0.752620	-0.025207	7.25E-15	0.000345	4.35E-15	-0.006292
.							
15401	0	-0.031480	-2.85E-05	-0.913039	-0.064146	0.785538	-0.010146
15401	0.825	-0.031480	-2.85E-05	-0.913039	-0.064146	0.032311	-0.010169
.							
15402	0	-0.022070	-3.15E-05	0.796682	-0.063832	-0.683833	-0.009809
15402	0.825	-0.022070	-3.15E-05	0.796682	-0.063832	-0.026596	-0.009835
.							
15403	0	0.932363	-2.93E-05	-0.031528	-0.010171	-1.89E-07	0.064146
15403	0.300	0.932363	-2.93E-05	-0.031528	-0.010171	-0.009458	0.064137
.							
15404	0	0.810763	3.25E-05	-0.022029	0.009836	-1.32E-07	0.063832
15404	0.300	0.810763	3.25E-05	-0.022029	0.009836	-0.006608	0.063842
.							
15405	0	-0.752619	0.025202	2.92E-14	-0.000345	3.50E-19	-0.006291
15405	0.600	-0.752619	0.025202	2.92E-14	-0.000345	1.75E-14	0.008830
.							
15501	0	-0.024548	2.92E-05	-0.749155	-0.028996	0.658473	-0.007612
15501	0.825	-0.024548	2.92E-05	-0.749155	-0.028996	0.040445	-0.007588
.							
15502	0	0.036147	2.78E-05	0.714618	-0.029349	-0.617466	-0.006553
15502	0.825	0.036147	2.78E-05	0.714618	-0.029349	-0.027931	-0.006530
.							
15503	0	0.794629	3.04E-05	-0.024554	-0.007587	-1.47E-07	0.028996
15503	0.300	0.794629	3.04E-05	-0.024554	-0.007587	-0.007366	0.029005
.							
15504	0	0.737275	-2.89E-05	0.036150	0.006528	2.17E-07	0.029349
15504	0.300	0.737275	-2.89E-05	0.036150	0.006528	0.010845	0.029340
.							
15505	0	-0.741659	0.012288	1.46E-14	-0.001090	1.75E-19	-0.005120
15505	0.600	-0.741659	0.012288	1.46E-14	-0.001090	8.75E-15	0.002253
.							
21101	0	-0.000105	4.22E-05	-0.001721	0.002072	0.002238	-4.04E-05
21101	2.300	-0.000105	4.22E-05	-0.001721	0.002072	-0.001722	5.67E-05
.							
21111	0	-5.02E-05	6.80E-05	0.000153	0.002036	0.000365	-7.28E-05
21111	2.300	-5.02E-05	6.80E-05	0.000153	0.002036	0.000717	8.36E-05
.							
21121	0	-2.37E-05	8.98E-05	0.000927	0.001907	-0.000136	-9.93E-05
21121	2.300	-2.37E-05	8.98E-05	0.000927	0.001907	0.001997	0.000107
.							
21131	0	4.86E-06	8.32E-05	0.001487	0.001678	-0.000370	-8.93E-05
21131	2.300	4.86E-06	8.32E-05	0.001487	0.001678	0.003051	0.000102
.							
21141	0	7.60E-05	1.07E-05	0.002003	0.001330	-0.000577	4.15E-07
21141	2.300	7.60E-05	1.07E-05	0.002003	0.001330	0.004029	2.51E-05
.							
21151	0	0.000238	-0.000200	0.002497	0.000838	-0.000821	0.000253
21151	2.300	0.000238	-0.000200	0.002497	0.000838	0.004921	-0.000207
.							
21161	0	0.000565	-0.000654	0.002949	0.000163	-0.001133	0.000794
21161	2.300	0.000565	-0.000654	0.002949	0.000163	0.005649	-0.000711
.							
21171	0	0.001236	-0.001415	0.003287	-0.000741	-0.001507	0.001713
21171	2.300	0.001236	-0.001415	0.003287	-0.000741	0.006052	-0.001540
.							
21181	0	0.002670	-0.002156	0.003353	-0.001935	-0.001871	0.002664
21181	2.300	0.002670	-0.002156	0.003353	-0.001935	0.005840	-0.002295
.							
21191	0	0.004913	-0.000967	0.002738	-0.003489	-0.001859	0.001293
21191	2.300	0.004913	-0.000967	0.002738	-0.003489	0.004439	-0.000930
.							
21201	0	-0.000165	1.07E-05	-0.000524	0.000878	0.000804	-3.47E-06
21201	2.300	-0.000165	1.07E-05	-0.000524	0.000878	-0.000402	2.12E-05
.							
21211	0	-0.000107	1.46E-05	0.000182	0.000855	0.000972	-1.10E-05
21211	2.300	-0.000107	1.46E-05	0.000182	0.000855	0.001391	2.27E-05
.							
21221	0	-7.22E-05	1.52E-05	0.000447	0.000780	0.001746	-1.23E-05
21221	2.300	-7.22E-05	1.52E-05	0.000447	0.000780	0.002775	2.26E-05
.							
21231	0	-1.91E-05	1.17E-06	0.000581	0.000649	0.002574	9.60E-06
21231	2.300	-1.91E-05	1.17E-06	0.000581	0.000649	0.003911	1.23E-05
.							
21241	0	0.000146	-4.88E-05	0.000603	0.000459	0.003345	8.65E-05
21241	2.300	0.000146	-4.88E-05	0.000603	0.000459	0.004733	-2.58E-05
.							
21251	0	0.000607	-0.000173	0.000482	0.000207	0.004017	0.000274
21251	2.300	0.000607	-0.000173	0.000482	0.000207	0.005126	-0.000123
.							
21261	0	0.001686	-0.000417	0.000219	-0.000102	0.004501	0.000639
21261	2.300	0.001686	-0.000417	0.000219	-0.000102	0.005805	-0.000320
.							
21271	0	0.003772	-0.000783	-0.000132	-0.000457	0.004641	0.001176
21271	2.300	0.003772	-0.000783	-0.000132	-0.000457	0.004337	-0.000626
.							
21281	0	0.006860	-0.001051	-0.000427	-0.000834	0.004169	0.001538
21281	2.300	0.006860	-0.001051	-0.000427	-0.000834	0.003187	-0.000879
.							
21291	0	0.009161	-0.000419	-0.000432	-0.001198	0.002714	0.000496
21291	2.300	0.009161	-0.000419	-0.000432	-0.001198	0.001721	-0.000468
.							
21301	0	-0.000138	-3.56E-05	0.000524	-0.000878	-0.000402	4.79E-05
21301	2.300	-0.000138	-3.56E-05	0.000524	-0.000878	0.000804	-3.40E-05
.							
21311	0	-9.53E-05	-4.86E-05	-0.000182	-0.000855	0.001391	6.02E-05
21311	2.300	-9.53E-05	-4.86E-05	-0.000182	-0.000855	0.000972	-5.15E-05
.							
21321	0	-7.01E-05	-5.45E-05	-0.000447	-0.000780	0.002775	6.69E-05
21321	2.300	-7.01E-05	-5.45E-05	-0.000447	-0.000780	0.001746	-5.84E-05
.							

21331	0	-2.11E-05	-4.14E-05	-0.000581	-0.000649	0.003911	5.82E-05
21331	2.300	-2.11E-05	-4.14E-05	-0.000581	-0.000649	0.002574	-3.70E-05
.							
21341	0	0.000143	9.97E-06	-0.000603	-0.000459	0.004733	1.87E-05
21341	2.300	0.000143	9.97E-06	-0.000603	-0.000459	0.003345	4.16E-05
.							
21351	0	0.000605	0.000136	-0.000482	-0.000207	0.005126	-8.13E-05
21351	2.300	0.000605	0.000136	-0.000482	-0.000207	0.004017	0.000232
.							
21361	0	0.001683	0.000384	-0.000219	0.000102	0.005005	-0.000282
21361	2.300	0.001683	0.000384	-0.000219	0.000102	0.004501	0.000601
.							
21371	0	0.003769	0.000753	0.000132	0.000457	0.004337	-0.000590
21371	2.300	0.003769	0.000753	0.000132	0.000457	0.004641	0.001141
.							
21381	0	0.006860	0.001024	0.000427	0.000834	0.003187	-0.000848
21381	2.300	0.006860	0.001024	0.000427	0.000834	0.004169	0.001508
.							
21391	0	0.009166	0.000400	0.000432	0.001198	0.001721	-0.000445
21391	2.300	0.009166	0.000400	0.000432	0.001198	0.002714	0.000474
.							
21401	0	-2.29E-05	-6.36E-05	0.001721	-0.002072	-0.001722	7.50E-05
21401	2.300	-2.29E-05	-6.36E-05	0.001721	-0.002072	0.002238	-7.14E-05
.							
21411	0	-2.52E-05	-9.42E-05	-0.000153	-0.002036	0.000717	0.000109
21411	2.300	-2.52E-05	-9.42E-05	-0.000153	-0.002036	0.000365	-0.000108
.							
21421	0	-2.41E-05	-0.000114	-0.000927	-0.001907	0.001997	0.000133
21421	2.300	-2.41E-05	-0.000114	-0.000927	-0.001907	-0.000136	-0.000128
.							
21431	0	-7.93E-07	-0.000106	-0.001487	-0.001678	0.003051	0.000128
21431	2.300	-7.93E-07	-0.000106	-0.001487	-0.001678	-0.000370	-0.000116
.							
21441	0	7.01E-05	-3.34E-05	-0.002003	-0.001330	0.004029	5.12E-05
21441	2.300	7.01E-05	-3.34E-05	-0.002003	-0.001330	-0.000577	-2.56E-05
.							
21451	0	0.000232	0.000178	-0.002497	-0.000838	0.004921	-0.000181
21451	2.300	0.000232	0.000178	-0.002497	-0.000838	-0.000821	0.000228
.							
21461	0	0.000559	0.000634	-0.002949	-0.000163	0.005649	-0.000687
21461	2.300	0.000559	0.000634	-0.002949	-0.000163	-0.001133	0.000770
.							
21471	0	0.001229	0.001396	-0.003287	0.000741	0.006052	-0.001519
21471	2.300	0.001229	0.001396	-0.003287	0.000741	-0.001507	0.001692
.							
21481	0	0.002663	0.002142	-0.003353	0.001935	0.005840	-0.002278
21481	2.300	0.002663	0.002142	-0.003353	0.001935	-0.001871	0.002647
.							
21491	0	0.004909	0.000960	-0.002738	0.003489	0.004439	-0.000921
21491	2.300	0.004909	0.000960	-0.002738	0.003489	-0.001859	0.001286
.							
21501	0	0.002659	0.009166	-1.23E-06	-0.005473	0.000215	-0.011581
21501	2.300	0.002659	0.009166	-1.23E-06	-0.005473	0.000213	0.009501
.							
21601	0	0.003933	0.003140	2.06E-05	-0.001513	6.53E-05	-0.005039
21601	2.300	0.003933	0.003140	2.06E-05	-0.001513	0.000113	0.002183
.							
21701	0	0.003936	-0.003143	-2.07E-05	0.001513	0.000113	0.002185
21701	2.300	0.003936	-0.003143	-2.07E-05	0.001513	6.52E-05	-0.005044

.							
21801	0	0.002673	-0.009156	1.23E-06	0.005473	0.000213	0.009492
21801	2.300	0.002673	-0.009156	1.23E-06	0.005473	0.000215	-0.011566
.							
22101	0	-0.001967	0.007390	-0.000261	0.009210	0.000539	-0.009933
22101	2.300	-0.001967	0.007390	-0.000261	0.009210	-6.18E-05	0.007063
.							
22111	0	-0.004692	-0.003844	0.003966	0.006582	-0.002301	0.004523
22111	2.300	-0.004692	-0.003844	0.003966	0.006582	0.006819	-0.004319
.							
22121	0	-0.002657	-0.004103	0.005267	0.004473	-0.002360	0.004842
22121	2.300	-0.002657	-0.004103	0.005267	0.004473	0.009753	-0.004596
.							
22131	0	-0.001344	-0.002709	0.005719	0.002756	-0.002027	0.003177
22131	2.300	-0.001344	-0.002709	0.005719	0.002756	0.011126	-0.003053
.							
22141	0	-0.000548	-0.001734	0.005864	0.001295	-0.001769	0.002046
22141	2.300	-0.000548	-0.001734	0.005864	0.001295	0.011718	-0.001941
.							
22151	0	0.000149	-0.001532	0.005898	-4.32E-05	-0.001693	0.001824
22151	2.300	0.000149	-0.001532	0.005898	-4.32E-05	0.011872	-0.001700
.							
22161	0	0.001004	-0.002242	0.005844	-0.001385	-0.001786	0.002662
22161	2.300	0.001004	-0.002242	0.005844	-0.001385	0.011654	-0.002494
.							
22171	0	0.002372	-0.004027	0.005665	-0.002858	-0.002057	0.004779
22171	2.300	0.002372	-0.004027	0.005665	-0.002858	0.010972	-0.004483
.							
22181	0	0.005154	-0.006456	0.005165	-0.004592	-0.002409	0.007771
22181	2.300	0.005154	-0.006456	0.005165	-0.004592	0.009471	-0.007078
.							
22191	0	0.010077	-0.005337	0.003828	-0.006721	-0.002423	0.006556
22191	2.300	0.010077	-0.005337	0.003828	-0.006721	0.006382	-0.005719
.							
22201	0	-0.002388	0.003695	-0.000117	0.002954	0.000234	-0.006242
22201	2.300	-0.002388	0.003695	-0.000117	0.002954	-3.44E-05	0.002256
.							
22211	0	-0.008869	-0.000984	-0.000220	0.002511	0.004704	-0.001037
22211	2.300	-0.008869	-0.000984	-0.000220	0.002511	0.004199	-0.001226
.							
22221	0	-0.006800	-0.001649	0.000215	0.001946	0.007553	-0.002203
22221	2.300	-0.006800	-0.001649	0.000215	0.001946	0.008048	-0.001590
.							
22231	0	-0.003812	-0.001283	0.000896	0.001313	0.009078	-0.001755
22231	2.300	-0.003812	-0.001283	0.000896	0.001313	0.011139	-0.001196
.							
22241	0	-0.001540	-0.000926	0.001441	0.000654	0.009791	-0.001275
22241	2.300	-0.001540	-0.000926	0.001441	0.000654	0.013106	-0.000855
.							
22251	0	0.000361	-0.000884	0.001642	-1.20E-05	0.009985	-0.001236
22251	2.300	0.000361	-0.000884	0.001642	-1.20E-05	0.013762	-0.000797
.							
22261	0	0.002833	-0.001266	0.001459	-0.000676	0.009726	-0.001803
22261	2.300	0.002833	-0.001266	0.001459	-0.000676	0.013083	-0.001110
.							
22271	0	0.006993	-0.002099	0.000948	-0.001328	0.008931	-0.002996
22271	2.300	0.006993	-0.002099	0.000948	-0.001328	0.011112	-0.001831
.							
22281	0	0.013321	-0.002953	0.000338	-0.001951	0.007284	-0.004130

22281	2.300	0.013321	-0.002953	0.000338	-0.001951	0.008062	-0.002662
.							
22291	0	0.018595	-0.001848	-7.00E-07	-0.002507	0.004298	-0.002161
22291	2.300	0.018595	-0.001848	-7.00E-07	-0.002507	0.004286	-0.002089
.							
22301	0	-0.002392	-0.003702	0.000117	-0.002954	-3.45E-05	0.002262
22301	2.300	-0.002392	-0.003702	0.000117	-0.002954	0.000235	-0.006252
.							
22311	0	-0.008880	0.000964	0.000220	-0.002511	0.004139	-0.001203
22311	2.300	-0.008880	0.000964	0.000220	-0.002511	0.004704	-0.001014
.							
22321	0	-0.006808	0.001631	-0.000215	-0.001946	0.008048	-0.001570
22321	2.300	-0.006808	0.001631	-0.000215	-0.001946	0.007553	-0.002183
.							
22331	0	-0.003818	0.001271	-0.000896	-0.001313	0.011139	-0.001182
22331	2.300	-0.003818	0.001271	-0.000896	-0.001313	0.009078	-0.001741
.							
22341	0	-0.001545	0.000920	-0.001441	-0.000654	0.013106	-0.000848
22341	2.300	-0.001545	0.000920	-0.001441	-0.000654	0.009791	-0.001268
.							
22351	0	0.000356	0.000883	-0.001642	1.20E-05	0.013762	-0.000796
22351	2.300	0.000356	0.000883	-0.001642	1.20E-05	0.009986	-0.001236
.							
22361	0	0.002828	0.001271	-0.001459	0.000676	0.013082	-0.001115
22361	2.300	0.002828	0.001271	-0.001459	0.000676	0.009726	-0.001808
.							
22371	0	0.006991	0.002107	-0.000948	0.001328	0.011112	-0.001840
22371	2.300	0.006991	0.002107	-0.000948	0.001328	0.008931	-0.002006
.							
22381	0	0.013324	0.002962	-0.000338	0.001951	0.008061	-0.002672
22381	2.300	0.013324	0.002962	-0.000338	0.001951	0.007284	-0.004142
.							
22391	0	0.018606	0.001853	8.99E-07	0.002506	0.004286	-0.002094
22391	2.300	0.018606	0.001853	8.99E-07	0.002506	0.004285	-0.002168
.							
22401	0	-0.001963	-0.007419	0.000261	-0.009210	-6.18E-05	0.007084
22401	2.300	-0.001963	-0.007419	0.000261	-0.009210	0.000539	-0.009978
.							
22411	0	-0.004720	0.003834	-0.003966	-0.006582	0.006819	-0.004307
22411	2.300	-0.004720	0.003834	-0.003966	-0.006582	-0.002302	0.004511
.							
22421	0	-0.002676	0.004095	-0.005267	-0.004473	0.009753	-0.004586
22421	2.300	-0.002676	0.004095	-0.005267	-0.004473	-0.002360	0.004833
.							
22431	0	-0.001357	0.002703	-0.005719	-0.002757	0.011126	-0.003046
22431	2.300	-0.001357	0.002703	-0.005719	-0.002757	-0.002027	0.003170
.							
22441	0	-0.000560	0.001730	-0.005864	-0.001295	0.011718	-0.001938
22441	2.300	-0.000560	0.001730	-0.005864	-0.001295	-0.001769	0.002042
.							
22451	0	0.000137	0.001532	-0.005898	4.32E-05	0.011872	-0.001700
22451	2.300	0.000137	0.001532	-0.005898	4.32E-05	-0.001693	0.001824
.							
22461	0	0.000991	0.002246	-0.005844	0.001385	0.011653	-0.002499
22461	2.300	0.000991	0.002246	-0.005844	0.001385	-0.001786	0.002667
.							
22471	0	0.002360	0.004036	-0.005665	0.002858	0.010971	-0.004493
22471	2.300	0.002360	0.004036	-0.005665	0.002858	-0.002056	0.004790
.							

22481	0	0.005149	0.006472	-0.005165	0.004592	0.009470	-0.007094
22481	2.300	0.005149	0.006472	-0.005165	0.004592	-0.002408	0.007790
.							
22491	0	0.010099	0.005360	-0.003828	0.006722	0.006381	-0.005740
22491	2.300	0.010099	0.005360	-0.003828	0.006722	-0.002423	0.006587
.							
22501	0	0.005396	0.019430	-0.000325	-0.009371	0.000124	-0.025201
22501	2.300	0.005396	0.019430	-0.000325	-0.009371	-0.000623	0.019486
.							
22601	0	0.007344	0.007226	0.000200	-0.002947	-0.000322	-0.012034
22601	2.300	0.007344	0.007226	0.000200	-0.002947	0.000137	0.004585
.							
22701	0	0.007357	-0.007228	-0.000200	0.002947	0.000137	0.004587
22701	2.300	0.007357	-0.007228	-0.000200	0.002947	-0.000322	-0.012037
.							
22801	0	0.005459	-0.019419	0.000325	0.009371	-0.000623	0.019475
22801	2.300	0.005459	-0.019419	0.000325	0.009371	0.000124	-0.025187
.							
23101	0	-0.005151	0.022027	-0.000595	0.012779	0.000391	-0.029936
23101	2.300	-0.005151	0.022027	-0.000595	0.012779	-0.000977	0.020724
.							
23111	0	-0.010305	-0.011004	0.005590	0.008641	-0.003235	0.012932
23111	2.300	-0.010305	-0.011004	0.005590	0.008641	0.009622	-0.012376
.							
23121	0	-0.005091	-0.009005	0.007183	0.005573	-0.002872	0.010519
23121	2.300	-0.005091	-0.009005	0.007183	0.005573	0.013648	-0.010191
.							
23131	0	-0.002583	-0.004681	0.007608	0.003294	-0.002193	0.005441
23131	2.300	-0.002583	-0.004681	0.007608	0.003294	0.015305	-0.005328
.							
23141	0	-0.001447	-0.001856	0.007708	0.001524	-0.001772	0.002168
23141	2.300	-0.001447	-0.001856	0.007708	0.001524	0.015956	-0.002100
.							
23151	0	-0.001096	-2.11E-08	0.007708	-2.11E-08	-0.001621	-5.80E-09
23151	2.300	-0.001096	-2.11E-08	0.007708	-2.11E-08	0.016108	-5.42E-08
.							
23161	0	-0.001447	0.001856	0.007709	-0.001524	-0.001773	-0.002168
23161	2.300	-0.001447	0.001856	0.007709	-0.001524	0.015957	0.002100
.							
23171	0	-0.002583	0.004681	0.007624	-0.003295	-0.002211	-0.005441
23171	2.300	-0.002583	0.004681	0.007624	-0.003295	0.015323	0.005329
.							
23181	0	-0.005090	0.009005	0.007185	-0.005574	-0.002874	-0.010519
23181	2.300	-0.005090	0.009005	0.007185	-0.005574	0.013650	0.010191
.							
23191	0	-0.010304	0.011004	0.005585	-0.008641	-0.003229	-0.012932
23191	2.300	-0.010304	0.011004	0.005585	-0.008641	0.009616	0.012376
.							
23201	0	-0.006196	0.010198	2.88E-06	0.004043	-0.000111	-0.017669
23201	2.300	-0.006196	0.010198	2.88E-06	0.004043	-0.000105	0.005785
.							
23211	0	-0.019971	-0.003522	-9.37E-05	0.003341	0.006890	-0.003970
23211	2.300	-0.019971	-0.003522	-9.37E-05	0.003341	0.006674	-0.004131
.							
23221	0	-0.013472	-0.004028	0.000737	0.002507	0.011034	0.005389
23221	2.300	-0.013472	-0.004028	0.000737	0.002507	0.012730	-0.003875
.							
23231	0	-0.007107	-0.002353	0.001907	0.001642	0.013075	0.003232
23231	2.300	-0.007107	-0.002353	0.001907	0.001642	0.017461	-0.002180

.							
23241	0	-0.003727	-0.000980	0.002798	0.000806	0.013968	0.001355
23241	2.300	-0.003727	-0.000980	0.002798	0.000806	0.020402	-0.000898
.							
23251	0	-0.002734	-1.87E-08	0.003123	-2.37E-08	0.014212	2.34E-08
23251	2.300	-0.002734	-1.87E-08	0.003123	-2.37E-08	0.021395	-1.96E-08
.							
23261	0	-0.003727	0.000980	0.002798	-0.000806	0.013967	-0.001355
23261	2.300	-0.003727	0.000980	0.002798	-0.000806	0.020402	0.000898
.							
23271	0	-0.007107	0.002353	0.001908	-0.001642	0.013074	-0.003232
23271	2.300	-0.007107	0.002353	0.001908	-0.001642	0.017462	0.002180
.							
23281	0	-0.013472	0.004028	0.000731	-0.002506	0.011042	-0.005389
23281	2.300	-0.013472	0.004028	0.000731	-0.002506	0.012723	0.003875
.							
23291	0	-0.019972	0.003523	-9.30E-05	-0.003341	0.006888	-0.003971
23291	2.300	-0.019972	0.003523	-9.30E-05	-0.003341	0.006675	0.004131
.							
23301	0	-0.006186	-0.010210	-2.82E-06	-0.004043	-0.000105	0.005797
23301	2.300	-0.006186	-0.010210	-2.82E-06	-0.004043	-0.000111	-0.017685
.							
23311	0	-0.019975	0.003490	9.38E-05	-0.003341	0.006674	-0.004095
23311	2.300	-0.019975	0.003490	9.38E-05	-0.003341	0.006890	0.003931
.							
23321	0	-0.013480	0.004000	-0.000737	-0.002507	0.012730	-0.003844
23321	2.300	-0.013480	0.004000	-0.000737	-0.002507	0.011035	0.005357
.							
23331	0	-0.007114	0.002335	-0.001907	-0.001642	0.017461	-0.002160
23331	2.300	-0.007114	0.002335	-0.001907	-0.001642	0.013075	0.003211
.							
23341	0	-0.003733	0.000971	-0.002797	-0.000806	0.020401	-0.000888
23341	2.300	-0.003733	0.000971	-0.002797	-0.000806	0.013968	0.001345
.							
23351	0	-0.002740	-2.14E-09	-0.003123	2.35E-08	0.021394	5.16E-09
23351	2.300	-0.002740	-2.14E-09	-0.003123	2.35E-08	0.014212	2.46E-10
.							
23361	0	-0.003733	-0.000971	-0.002798	0.000806	0.020401	0.000888
23361	2.300	-0.003733	-0.000971	-0.002798	0.000806	0.013967	-0.001345
.							
23371	0	-0.007114	-0.002335	-0.001908	0.001642	0.017462	0.002160
23371	2.300	-0.007114	-0.002335	-0.001908	0.001642	0.013074	-0.003211
.							
23381	0	-0.013480	-0.004001	-0.000731	0.002506	0.012722	0.003844
23381	2.300	-0.013480	-0.004001	-0.000731	0.002506	0.011042	-0.005357
.							
23391	0	-0.019975	-0.003490	9.31E-05	0.003341	0.006675	0.004095
23391	2.300	-0.019975	-0.003490	9.31E-05	0.003341	0.006889	-0.003931
.							
23401	0	-0.005110	-0.022089	0.000595	-0.012779	-0.000977	0.020767
23401	2.300	-0.005110	-0.022089	0.000595	-0.012779	0.000391	-0.030037
.							
23411	0	-0.010335	0.010984	-0.005590	-0.008641	0.009622	-0.012355
23411	2.300	-0.010335	0.010984	-0.005590	-0.008641	-0.003235	0.012908
.							
23421	0	-0.005112	0.008991	-0.007190	-0.005573	0.013656	-0.010175
23421	2.300	-0.005112	0.008991	-0.007190	-0.005573	-0.002880	0.010504
.							
23431	0	-0.002600	0.004671	-0.007608	-0.003294	0.015305	-0.005314
23431	2.300	-0.002600	0.004671	-0.007608	-0.003294	-0.002193	0.005429
.							
23441	0	-0.001463	0.001851	-0.007708	-0.001524	0.015956	-0.002095
23441	2.300	-0.001463	0.001851	-0.007708	-0.001524	-0.001772	0.002162
.							
23451	0	-0.001112	1.00E-08	-0.007708	2.08E-08	0.016108	1.74E-08
23451	2.300	-0.001112	1.00E-08	-0.007708	2.08E-08	-0.001620	4.05E-08
.							
23461	0	-0.001463	-0.001851	-0.007709	0.001524	0.015956	0.002095
23461	2.300	-0.001463	-0.001851	-0.007709	0.001524	-0.001773	-0.002162
.							
23471	0	-0.002600	-0.004671	-0.007623	0.003295	0.015323	0.005314
23471	2.300	-0.002600	-0.004671	-0.007623	0.003295	-0.002211	-0.005429
.							
23481	0	-0.005112	-0.008991	-0.007192	0.005574	0.013658	0.010175
23481	2.300	-0.005112	-0.008991	-0.007192	0.005574	-0.002882	-0.010504
.							
23491	0	-0.010333	-0.010984	-0.005585	0.008641	0.009616	0.012355
23491	2.300	-0.010333	-0.010984	-0.005585	0.008641	-0.003229	-0.012907
.							
23501	0	-0.005150	-0.022026	-0.000596	-0.012779	0.000392	0.029934
23501	2.300	-0.005150	-0.022026	-0.000596	-0.012779	-0.000978	-0.020724
.							
23601	0	-0.006197	-0.010198	2.99E-06	-0.004043	-0.000112	0.017670
23601	2.300	-0.006197	-0.010198	2.99E-06	-0.004043	-0.000105	-0.005785
.							
23701	0	-0.006186	0.010210	-2.93E-06	0.004043	-0.000105	-0.005797
23701	2.300	-0.006186	0.010210	-2.93E-06	0.004043	-0.000112	0.017686
.							
23801	0	-0.005109	0.022089	0.000596	0.012779	-0.000978	-0.020767
23801	2.300	-0.005109	0.022089	0.000596	0.012779	0.000392	0.030035
.							
24101	0	0.005395	-0.019429	-0.000324	0.009370	0.000123	0.025199
24101	2.300	0.005395	-0.019429	-0.000324	0.009370	-0.000623	-0.019486
.							
24111	0	0.010075	0.005336	0.003829	0.006719	-0.002424	-0.006555
24111	2.300	0.010075	0.005336	0.003829	0.006719	0.006382	0.005719
.							
24121	0	0.005153	0.006456	0.005171	0.004591	-0.002416	-0.007770
24121	2.300	0.005153	0.006456	0.005171	0.004591	0.009476	0.007077
.							
24131	0	0.002372	0.004027	0.005663	0.002857	-0.002056	-0.004779
24131	2.300	0.002372	0.004027	0.005663	0.002857	0.010969	0.004483
.							
24141	0	0.001004	0.002242	0.005846	0.001384	-0.001791	-0.002662
24141	2.300	0.001004	0.002242	0.005846	0.001384	0.011655	0.002484
.							
24151	0	0.000149	0.001532	0.005891	4.24E-05	-0.001687	-0.001823
24151	2.300	0.000149	0.001532	0.005891	4.24E-05	0.011863	0.001699
.							
24161	0	-0.000548	0.001733	0.005865	-0.001295	-0.001772	-0.002045
24161	2.300	-0.000548	0.001733	0.005865	-0.001295	0.011717	0.001941
.							
24171	0	-0.001344	0.002709	0.005713	-0.002756	-0.002023	-0.003177
24171	2.300	-0.001344	0.002709	0.005713	-0.002756	0.011118	0.003053
.							
24181	0	-0.002657	0.004103	0.005264	-0.004472	-0.002359	-0.004841
24181	2.300	-0.002657	0.004103	0.005264	-0.004472	0.009748	0.004595
.							

24191	0	-0.004691	0.003844	0.003962	-0.006580	-0.002299	-0.004522
24191	2.300	-0.004691	0.003844	0.003962	-0.006580	0.006813	0.004319
.							
24201	0	0.007345	-0.007226	0.000200	0.002946	-0.000322	0.012034
24201	2.300	0.007345	-0.007226	0.000200	0.002946	0.000137	-0.004585
.							
24211	0	0.018596	0.001848	-1.06E-06	0.002506	0.004287	-0.002161
24211	2.300	0.018596	0.001848	-1.06E-06	0.002506	0.004285	0.002089
.							
24221	0	0.013321	0.002953	0.000337	0.001950	0.007283	-0.004130
24221	2.300	0.013321	0.002953	0.000337	0.001950	0.008058	0.002662
.							
24231	0	0.006993	0.002098	0.000949	0.001328	0.008928	-0.002995
24231	2.300	0.006993	0.002098	0.000949	0.001328	0.011110	0.001830
.							
24241	0	0.002833	0.001266	0.001456	0.000675	0.009727	-0.001802
24241	2.300	0.002833	0.001266	0.001456	0.000675	0.013075	0.001109
.							
24251	0	0.000361	0.000883	0.001645	1.19E-05	0.009978	-0.001236
24251	2.300	0.000361	0.000883	0.001645	1.19E-05	0.013762	0.000796
.							
24261	0	-0.001540	0.000926	0.001439	-0.000654	0.009789	-0.001274
24261	2.300	-0.001540	0.000926	0.001439	-0.000654	0.013100	0.000854
.							
24271	0	-0.003812	0.001282	0.000894	-0.001313	0.009077	-0.001754
24271	2.300	-0.003812	0.001282	0.000894	-0.001313	0.011133	0.001196
.							
24281	0	-0.006800	0.001649	0.000217	-0.001946	0.007548	-0.002202
24281	2.300	-0.006800	0.001649	0.000217	-0.001946	0.008047	0.001590
.							
24291	0	-0.008870	0.000984	-0.000215	-0.002510	0.004696	-0.001037
24291	2.300	-0.008870	0.000984	-0.000215	-0.002510	0.004203	0.001226
.							
24301	0	0.007358	0.007228	-0.000200	-0.002946	0.000137	-0.004587
24301	2.300	0.007358	0.007228	-0.000200	-0.002946	-0.000322	0.012038
.							
24311	0	0.018607	-0.001853	1.27E-06	-0.002506	0.004284	0.002094
24311	2.300	0.018607	-0.001853	1.27E-06	-0.002506	0.004287	-0.002168
.							
24321	0	0.013324	-0.002963	-0.000337	-0.001950	0.008058	0.002672
24321	2.300	0.013324	-0.002963	-0.000337	-0.001950	0.007283	-0.004142
.							
24331	0	0.006990	-0.002108	-0.000949	-0.001328	0.011110	0.001841
24331	2.300	0.006990	-0.002106	-0.000949	-0.001328	0.008928	-0.003006
.							
24341	0	0.002828	-0.001271	-0.001456	-0.000675	0.013075	0.001115
24341	2.300	0.002828	-0.001271	-0.001456	-0.000675	0.009727	-0.001809
.							
24351	0	0.000356	-0.000884	-0.001645	-1.19E-05	0.013762	0.000797
24351	2.300	0.000356	-0.000884	-0.001645	-1.19E-05	0.009978	-0.001236
.							
24361	0	-0.001545	-0.000921	-0.001439	0.000654	0.013100	0.000848
24361	2.300	-0.001545	-0.000921	-0.001439	0.000654	0.009789	-0.001269
.							
24371	0	-0.003818	-0.001272	-0.000894	0.001313	0.011133	0.001183
24371	2.300	-0.003818	-0.001272	-0.000894	0.001313	0.009077	-0.001742
.							
24381	0	-0.006808	-0.001632	-0.000217	0.001946	0.008047	0.001570
24381	2.300	-0.006808	-0.001632	-0.000217	0.001946	0.007548	-0.002183
.							
24391	0	-0.008880	-0.000964	0.000214	0.002510	0.004203	0.001203
24391	2.300	-0.008880	-0.000964	0.000214	0.002510	0.004696	-0.001014
.							
24401	0	0.005458	0.019419	0.000324	-0.009370	-0.000623	-0.019475
24401	2.300	0.005458	0.019419	0.000324	-0.009370	0.000123	0.025186
.							
24411	0	0.010098	-0.005360	-0.003829	-0.006719	0.006382	0.005740
24411	2.300	0.010098	-0.005360	-0.003829	-0.006719	-0.002424	-0.006587
.							
24421	0	0.005148	-0.006472	-0.005170	-0.004591	0.009476	0.007094
24421	2.300	0.005148	-0.006472	-0.005170	-0.004591	-0.002416	-0.007791
.							
24431	0	0.002360	-0.004037	-0.005663	-0.002857	0.010968	0.004494
24431	2.300	0.002360	-0.004037	-0.005663	-0.002857	-0.002056	-0.004790
.							
24441	0	0.000991	-0.002247	-0.005846	-0.001384	0.011655	0.002500
24441	2.300	0.000991	-0.002247	-0.005846	-0.001384	-0.001791	-0.002668
.							
24451	0	0.000137	-0.001533	-0.005891	-4.24E-05	0.011863	0.001701
24451	2.300	0.000137	-0.001533	-0.005891	-4.24E-05	-0.001687	-0.001825
.							
24461	0	-0.000560	-0.001731	-0.005865	0.001295	0.011717	0.001938
24461	2.300	-0.000560	-0.001731	-0.005865	0.001295	-0.001772	-0.002042
.							
24471	0	-0.001358	-0.002703	-0.005714	0.002756	0.011118	0.003047
24471	2.300	-0.001358	-0.002703	-0.005714	0.002756	-0.002023	-0.003171
.							
24481	0	-0.002676	-0.004096	-0.005264	0.004472	0.009748	0.004586
24481	2.300	-0.002676	-0.004096	-0.005264	0.004472	-0.002359	-0.004833
.							
24491	0	-0.004719	-0.003834	-0.003962	0.006580	0.006814	0.004307
24491	2.300	-0.004719	-0.003834	-0.003962	0.006580	-0.002299	-0.004511
.							
24501	0	-0.001966	-0.007389	-0.000262	-0.009207	0.000539	0.009932
24501	2.300	-0.001966	-0.007389	-0.000262	-0.009207	-6.38E-05	-0.007063
.							
24601	0	-0.002388	-0.003695	-0.000117	-0.002953	0.000234	0.006242
24601	2.300	-0.002388	-0.003695	-0.000117	-0.002953	-3.44E-05	-0.002256
.							
24701	0	-0.002392	0.003702	0.000117	0.002953	-3.45E-05	-0.002262
24701	2.300	-0.002392	0.003702	0.000117	0.002953	0.000234	0.006252
.							
24801	0	-0.001963	0.007419	0.000262	0.009207	-6.38E-05	-0.007084
24801	2.300	-0.001963	0.007419	0.000262	0.009207	0.000539	0.009978
.							
25101	0	0.002659	-0.009166	-1.31E-06	0.005473	0.000215	0.011581
25101	2.300	0.002659	-0.009166	-1.31E-06	0.005473	0.000212	-0.009500
.							
25111	0	0.004912	0.000967	0.002740	0.003488	-0.001862	-0.001293
25111	2.300	0.004912	0.000967	0.002740	0.003488	0.004441	0.000931
.							
25121	0	0.002670	0.002156	0.003352	0.001934	-0.001870	-0.002664
25121	2.300	0.002670	0.002156	0.003352	0.001934	0.005838	0.002295
.							
25131	0	0.001236	0.001415	0.003281	0.000740	-0.001502	-0.001714
25131	2.300	0.001236	0.001415	0.003281	0.000740	0.006045	0.001540
.							
25141	0	0.000565	0.000655	0.002943	-0.000164	-0.001127	-0.000795

25141	2.300	0.000565	0.000655	0.002943	-0.000164	0.005641	0.000711
.							
25151	0	0.000238	0.000200	0.002498	-0.000838	-0.000825	-0.000254
25151	2.300	0.000238	0.000200	0.002498	-0.000838	0.004921	0.000207
.							
25161	0	7.60E-05	-1.05E-05	0.001999	-0.001330	-0.000574	-6.56E-07
25161	2.300	7.60E-05	-1.05E-05	0.001999	-0.001330	0.004023	-2.49E-05
.							
25171	0	4.88E-06	-8.30E-05	0.001486	-0.001677	-0.000370	8.91E-05
25171	2.300	4.88E-06	-8.30E-05	0.001486	-0.001677	0.003048	-0.000102
.							
25181	0	-2.37E-05	-8.96E-05	0.000925	-0.001906	-0.000134	9.90E-05
25181	2.300	-2.37E-05	-8.96E-05	0.000925	-0.001906	0.001993	-0.000107
.							
25191	0	-5.04E-05	-6.78E-05	0.000151	-0.002034	0.000367	7.25E-05
25191	2.300	-5.04E-05	-6.78E-05	0.000151	-0.002034	0.000714	-8.34E-05
.							
25201	0	0.003933	-0.003140	2.11E-05	0.001512	6.45E-05	0.005039
25201	2.300	0.003933	-0.003140	2.11E-05	0.001512	0.000113	-0.002183
.							
25211	0	0.009161	0.000420	-0.000435	0.001198	0.002718	-0.000497
25211	2.300	0.009161	0.000420	-0.000435	0.001198	0.001716	0.000468
.							
25221	0	0.006860	0.001051	-0.000427	0.000833	0.004167	-0.001538
25221	2.300	0.006860	0.001051	-0.000427	0.000833	0.003186	0.000879
.							
25231	0	0.003772	0.000784	-0.000128	0.000456	0.004634	-0.001176
25231	2.300	0.003772	0.000784	-0.000128	0.000456	0.004341	0.000626
.							
25241	0	0.001686	0.000418	0.000220	0.000102	0.004498	-0.000640
25241	2.300	0.001686	0.000418	0.000220	0.000102	0.005004	0.000321
.							
25251	0	0.000608	0.000173	0.000478	-0.000208	0.004019	-0.000274
25251	2.300	0.000608	0.000173	0.000478	-0.000208	0.005118	0.000124
.							
25261	0	0.000146	4.92E-05	0.000599	-0.000459	0.003347	-8.69E-05
25261	2.300	0.000146	4.92E-05	0.000599	-0.000459	0.004726	2.63E-05
.							
25271	0	-1.91E-05	-7.95E-07	0.000582	-0.000649	0.002572	-1.00E-05
25271	2.300	-1.91E-05	-7.95E-07	0.000582	-0.000649	0.003909	-1.19E-05
.							
25281	0	-7.22E-05	-1.48E-05	0.000449	-0.000780	0.001743	1.19E-05
25281	2.300	-7.22E-05	-1.48E-05	0.000449	-0.000780	0.002775	-2.22E-05
.							
25291	0	-0.000107	-1.44E-05	0.000182	-0.000855	0.000971	1.06E-05
25291	2.300	-0.000107	-1.44E-05	0.000182	-0.000855	0.001390	-2.24E-05
.							
25301	0	0.003936	0.003144	-2.11E-05	-0.001512	0.000113	-0.002186
25301	2.300	0.003936	0.003144	-2.11E-05	-0.001512	6.44E-05	0.005045
.							
25311	0	0.009166	-0.000400	0.000435	-0.001198	0.001716	0.000445
25311	2.300	0.009166	-0.000400	0.000435	-0.001198	0.002718	-0.000474
.							
25321	0	0.006860	-0.001024	0.000427	-0.000833	0.003186	0.000848
25321	2.300	0.006860	-0.001024	0.000427	-0.000833	0.004167	-0.001507
.							
25331	0	0.003769	-0.000753	0.000128	-0.000456	0.004341	0.000590
25331	2.300	0.003769	-0.000753	0.000128	-0.000456	0.004635	-0.001141
.							

25341	0	0.001683	-0.000383	-0.000220	-0.000102	0.005003	0.000281
25341	2.300	0.001683	-0.000383	-0.000220	-0.000102	0.004498	-0.000600
.							
25351	0	0.000605	-0.000136	-0.000478	0.000208	0.005118	8.08E-05
25351	2.300	0.000605	-0.000136	-0.000478	0.000208	0.004019	-0.000231
.							
25361	0	0.000143	-9.60E-06	-0.000599	0.000459	0.004726	-1.91E-05
25361	2.300	0.000143	-9.60E-06	-0.000599	0.000459	0.003347	-4.12E-05
.							
25371	0	-2.11E-05	4.18E-05	-0.000582	0.000649	0.003909	-5.86E-05
25371	2.300	-2.11E-05	4.18E-05	-0.000582	0.000649	0.002572	3.75E-05
.							
25381	0	-7.01E-05	5.48E-05	-0.000449	0.000780	0.002775	-6.73E-05
25381	2.300	-7.01E-05	5.48E-05	-0.000449	0.000780	0.001743	5.88E-05
.							
25391	0	-9.52E-05	4.89E-05	-0.000182	0.000855	0.001390	-6.06E-05
25391	2.300	-9.52E-05	4.89E-05	-0.000182	0.000855	0.000971	5.19E-05
.							
25401	0	0.002672	0.009156	1.32E-06	-0.005473	0.000212	-0.009492
25401	2.300	0.002672	0.009156	1.32E-06	-0.005473	0.000215	0.011566
.							
25411	0	0.004908	-0.000959	-0.002740	-0.003488	0.004441	0.000921
25411	2.300	0.004908	-0.000959	-0.002740	-0.003488	-0.001862	-0.001286
.							
25421	0	0.002662	-0.002141	-0.003352	-0.001934	0.005838	0.002278
25421	2.300	0.002662	-0.002141	-0.003352	-0.001934	-0.001870	-0.002647
.							
25431	0	0.001228	-0.001396	-0.003281	-0.000740	0.006045	0.001518
25431	2.300	0.001228	-0.001396	-0.003281	-0.000740	-0.001502	-0.001692
.							
25441	0	0.000558	-0.000633	-0.002943	0.000164	0.005641	0.000687
25441	2.300	0.000558	-0.000633	-0.002943	0.000164	-0.001127	-0.000770
.							
25451	0	0.000232	-0.000178	-0.002498	0.000838	0.004921	0.000181
25451	2.300	0.000232	-0.000178	-0.002498	0.000838	-0.000825	-0.000228
.							
25461	0	7.01E-05	3.36E-05	-0.001999	0.001330	0.004023	-5.15E-05
25461	2.300	7.01E-05	3.36E-05	-0.001999	0.001330	-0.000574	2.59E-05
.							
25471	0	-8.09E-07	0.000106	-0.001486	0.001677	0.003048	-0.000129
25471	2.300	-8.09E-07	0.000106	-0.001486	0.001677	-0.000370	0.000116
.							
25481	0	-2.41E-05	0.000114	-0.000925	0.001906	0.001993	-0.000134
25481	2.300	-2.41E-05	0.000114	-0.000925	0.001906	-0.000134	0.000128
.							
25491	0	-2.50E-05	9.45E-05	-0.000151	0.002034	0.000714	-0.000109
25491	2.300	-2.50E-05	9.45E-05	-0.000151	0.002034	0.000367	0.000109
.							
25501	0	-0.000105	-4.21E-05	-0.001720	-0.002070	0.002236	4.02E-05
25501	2.300	-0.000105	-4.21E-05	-0.001720	-0.002070	-0.001720	-5.66E-05
.							
25601	0	-0.000166	-1.05E-05	-0.000524	-0.000878	0.000803	3.20E-06
25601	2.300	-0.000166	-1.05E-05	-0.000524	-0.000878	-0.000402	-2.10E-05
.							
25701	0	-0.000138	3.58E-05	0.000524	0.000878	-0.000402	-4.81E-05
25701	2.300	-0.000138	3.58E-05	0.000524	0.000878	0.000803	3.43E-05
.							
25801	0	-2.23E-05	6.38E-05	0.001720	0.002070	-0.001720	-7.52E-05
25801	2.300	-2.23E-05	6.38E-05	0.001720	0.002070	0.002236	7.16E-05

.
.ID Hipótesi 24
.SK 4
.TP 20
CARGAS: '' Ejec. "HIP"

Hipótesis	Factor	Etapa	Título
24	1.0000		Viento transversal

.ID REA3,STATIK2,1.58
.UN M,KN
.EL !LHIP.018
.SK 3
.TP 12
.TK 4
REACCIONES EN APOYOS:

NUDOS	FX [kN]	FY [kN]	FZ [kN]	MX [kNm]	MY [kNm]	MZ [kNm]
1101	-0.051372	-12.696	-0.097796			
1201	-0.024033	-12.696	-0.047651			
1301	0.000101	-12.696	3.06E-05			
1401	0.024177	-12.695	0.047506			
1501	0.051063	-12.693	0.097909			
5111	0.051374	-12.696	-0.097796			
5211	0.024033	-12.696	-0.047651			
5311	-0.000101	-12.696	3.06E-05			
5411	-0.024178	-12.695	0.047507			
5511	-0.051064	-12.693	0.097909			
11113	-2.75E-05	-124.375	9.74E-07	1274.859	-0.000262	-38.940
11313	2.63E-05	-125.349	-4.00E-07	1285.940	0.000245	-18.680
11513	-2.63E-05	-125.349	-4.23E-07	1285.940	-0.000245	18.681
11713	2.75E-05	-124.375	9.44E-07	1274.858	0.000262	38.941
. Sumas:	2.00E-10	-626.400	-1.72E-07			

.ID SKR3,STATIK2,1.58
.UN M,KN
.EL !LHIP.018
.SK 3
.TP 12
.TK 4
ESFUERZOS:

Barra	Distancia [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
1101	0	-4.409	-12.153	-0.044787	-0.066435	0.065076	5.747
1101	1.270	-4.409	-3.580	-0.044787	-0.066435	0.008199	-4.243
1102	0	-9.534	-8.596	-0.034546	-0.081315	0.073740	2.045
1102	1.270	-9.534	-0.023648	-0.034546	-0.081315	0.029868	-3.428
1103	0	-13.605	-7.288	-0.032478	-0.086908	0.096481	1.340
1103	1.270	-13.605	1.284	-0.032478	-0.086908	0.055235	-2.472
1104	0	-16.475	-6.326	-0.033270	-0.091539	0.123621	0.812799
1104	1.270	-16.475	2.246	-0.033270	-0.091539	0.081370	-1.778
1105	0	-18.154	-5.288	-0.037448	-0.096991	0.152240	0.136766
1105	1.270	-18.154	3.284	-0.037448	-0.096991	0.104683	-1.136
1106	0	-18.626	-4.174	-0.047086	-0.103741	0.178724	-0.592090
1106	1.270	-18.626	4.398	-0.047086	-0.103741	0.118927	-0.449380
1107	0	-17.859	-3.052	-0.064966	-0.112333	0.196699	-1.325
1107	1.270	-17.859	5.520	-0.064966	-0.112333	0.114195	0.241502
1108	0	-15.815	-1.843	-0.093299	-0.125077	0.196031	-2.120
1108	1.270	-15.815	6.729	-0.093299	-0.125077	0.077546	0.981721
1109	0	-12.529	0.173799	-0.129937	-0.152301	0.163108	-2.928
1109	1.270	-12.529	8.746	-0.129937	-0.152301	-0.001905	2.735
1110	0	-8.691	4.742	-0.149493	-0.239554	0.086408	-2.022
1110	1.270	-8.691	13.314	-0.149493	-0.239554	-0.103441	9.443
1201	0	-0.875651	-14.282	-0.058507	-0.102681	-0.000643	10.913
1201	1.270	-0.875651	-14.282	-0.058507	-0.102681	-0.074944	-7.224
1202	0	-2.272	-12.152	-0.062779	-0.118069	-0.076320	5.945
1202	1.270	-2.272	-12.152	-0.062779	-0.118069	-0.156046	-9.487
1203	0	-4.196	-8.948	-0.063602	-0.120380	-0.159256	2.096
1203	1.270	-4.196	-8.948	-0.063602	-0.120380	-0.240027	-9.267
1204	0	-5.959	-5.862	-0.060656	-0.121001	-0.246285	-0.570709
1204	1.270	-5.959	-5.862	-0.060656	-0.121001	-0.323315	-8.016
1205	0	-7.234	-2.947	-0.051020	-0.121504	-0.333869	-2.654
1205	1.270	-7.234	-2.947	-0.051020	-0.121504	-0.398662	-6.396
1206	0	-7.966	-0.104961	-0.030143	-0.121875	-0.414753	-4.476
1206	1.270	-7.966	-0.104961	-0.030143	-0.121875	-0.453033	-4.610
1207	0	-8.236	2.830	0.007587	-0.121609	-0.475666	-6.088
1207	1.270	-8.236	2.830	0.007587	-0.121609	-0.466032	-2.494
1208	0	-8.283	6.000	0.068101	-0.119831	-0.495707	-7.178
1208	1.270	-8.283	6.000	0.068101	-0.119831	-0.409222	0.441269
1209	0	-8.580	9.167	0.154183	-0.117896	-0.445620	-6.757
1209	1.270	-8.580	9.167	0.154183	-0.117896	-0.249815	4.885
1210	0	-9.527	10.874	0.256119	-0.143510	-0.291196	-2.616
1210	1.270	-9.527	10.874	0.256119	-0.143510	0.034062	11.194
1301	0	0.100664	-11.703	2.02E-05	-0.099567	-1.02E-05	11.787
1301	1.270	0.100664	-14.703	2.02E-05	-0.099567	9.41E-06	-6.885
1302	0	0.207458	-13.670	1.40E-05	-0.113463	-6.01E-06	7.703
1302	1.270	0.207458	-13.670	1.40E-05	-0.113463	1.18E-05	-9.657
1303	0	0.266541	-10.833	7.63E-06	-0.112970	-1.24E-06	3.904
1303	1.270	0.266541	-10.833	7.63E-06	-0.112970	8.44E-06	-9.853
1304	0	0.273458	-7.446	3.91E-06	-0.108898	-9.49E-07	0.733278
1304	1.270	0.273458	-7.446	3.91E-06	-0.108898	4.01E-06	-8.723
1305	0	0.250244	-3.902	2.82E-06	-0.103023	-1.01E-06	-1.914

1305	1.270	0.250244	-3.902	2.82E-06	-0.103023	2.56E-06	-6.870
1306	0	0.212729	-0.461177	2.24E-06	-0.095993	2.28E-06	-4.068
1306	1.270	0.212729	-0.461177	2.24E-06	-0.095993	5.13E-06	-4.654
1307	0	0.160263	2.890	-3.29E-07	-0.088873	9.61E-06	-5.719
1307	1.270	0.160263	2.890	-3.29E-07	-0.088873	9.20E-06	-2.049
1308	0	0.081420	5.764	-6.43E-06	-0.084459	1.81E-05	-6.470
1308	1.270	0.081420	5.764	-6.43E-06	-0.084459	9.95E-06	0.849403
1309	0	-0.025972	7.415	-1.51E-05	-0.092248	2.25E-05	-5.717
1309	1.270	-0.025972	7.415	-1.51E-05	-0.092248	3.33E-06	3.700
1310	0	-0.125334	7.208	-2.39E-05	-0.156133	1.82E-05	-2.663
1310	1.270	-0.125334	7.208	-2.39E-05	-0.156133	-1.21E-05	6.491
1401	0	1.192	-13.658	0.058326	-0.102626	0.000623	10.462
1401	1.270	1.192	-13.658	0.058326	-0.102626	0.074694	-6.383
1402	0	2.720	-11.868	0.062633	-0.118016	0.076043	5.943
1402	1.270	2.720	-11.868	0.062633	-0.118016	0.155584	-9.129
1403	0	4.612	-8.947	0.063494	-0.120341	0.158771	2.332
1403	1.270	4.612	-8.947	0.063494	-0.120341	0.239405	-9.030
1404	0	6.302	-6.012	0.060595	-0.120977	0.245649	-0.302240
1404	1.270	6.302	-6.012	0.060595	-0.120977	0.322602	-7.937
1405	0	7.514	-3.077	0.050990	-0.121494	0.333153	-2.455
1405	1.270	7.514	-3.077	0.050990	-0.121494	0.397907	-6.363
1406	0	8.199	-0.204798	0.030166	-0.121881	0.414005	-4.302
1406	1.270	8.199	-0.204798	0.030166	-0.121881	0.452315	-4.562
1407	0	8.430	2.678	-0.007531	-0.121630	0.474962	-5.953
1407	1.270	8.430	2.678	-0.007531	-0.121630	0.465397	-2.453
1408	0	8.418	5.713	-0.067954	-0.119868	0.495076	-6.876
1408	1.270	8.418	5.713	-0.067954	-0.119868	0.408777	0.378704
1409	0	8.571	8.565	-0.154014	-0.117948	0.445172	-6.418
1409	1.270	8.571	8.565	-0.154014	-0.117948	0.249582	4.459
1410	0	9.246	10.282	-0.255915	-0.143560	0.290966	-2.552
1410	1.270	9.246	10.282	-0.255915	-0.143560	-0.034033	10.505
1501	0	3.991	-8.669	0.044939	-0.066381	-0.065033	5.063
1501	1.270	3.991	-5.812	0.044939	-0.066381	-0.007963	-4.132
1502	0	8.879	-5.763	0.034676	-0.081262	-0.073457	1.774
1502	1.270	8.879	-2.906	0.034676	-0.081262	-0.029420	-3.730
1503	0	12.922	-4.563	0.032611	-0.086869	-0.096017	0.972451
1503	1.270	12.922	-1.705	0.032611	-0.086869	-0.054603	-3.008
1504	0	15.858	-3.585	0.033333	-0.091515	-0.122991	0.350395
1504	1.270	15.858	-0.727642	0.033333	-0.091515	-0.080659	-2.388

1505	0	17.625	-2.517	0.037431	-0.096982	-0.151501	-0.372081
1505	1.270	17.625	0.340103	0.037431	-0.096982	-0.103965	-1.755
1506	0	18.180	-1.379	0.047109	-0.103745	-0.178010	-1.115
1506	1.270	18.180	1.479	0.047109	-0.103745	-0.118184	-1.051
1507	0	17.504	-0.255018	0.064823	-0.112351	-0.195955	-1.820
1507	1.270	17.504	2.602	0.064823	-0.112351	-0.113634	-0.329592
1508	0	15.599	0.919504	0.093179	-0.125109	-0.195438	-2.526
1508	1.270	15.599	3.777	0.093179	-0.125109	-0.077105	0.456196
1509	0	12.564	2.647	0.129778	-0.152340	-0.162685	-3.127
1509	1.270	12.564	5.504	0.129778	-0.152340	0.002126	2.048
1510	0	9.098	6.290	0.149326	-0.239569	-0.086212	-2.184
1510	1.270	9.098	9.148	0.149326	-0.239569	0.103424	7.618
2101	0	-8.329	-14.491	0.112848	0.151972	-0.026661	10.651
2101	1.390	-8.329	-5.109	0.112848	0.151972	0.130191	-2.971
2102	0	-14.359	-10.573	0.086607	0.064516	0.103269	4.342
2102	1.390	-14.359	-1.191	0.086607	0.064516	0.223647	-3.834
2103	0	-20.040	-8.924	0.048340	0.036426	0.201688	2.760
2103	1.390	-20.040	0.458532	0.048340	0.036426	0.268878	-3.123
2104	0	-24.346	-7.682	0.021892	0.020096	0.253728	1.791
2104	1.390	-24.346	1.700	0.021892	0.020096	0.284157	-2.366
2105	0	-27.143	-6.414	0.005359	0.006016	0.276806	0.820992
2105	1.390	-27.143	2.968	0.005359	0.006016	0.284254	-1.574
2106	0	-28.414	-5.126	-0.007441	-0.007727	0.285018	-0.120406
2106	1.390	-28.414	4.256	-0.007441	-0.007727	0.274677	-0.724946
2107	0	-28.152	-3.956	-0.023943	-0.021803	0.283560	-1.021
2107	1.390	-28.152	5.526	-0.023943	-0.021803	0.250280	0.140097
2108	0	-26.323	-2.557	-0.050244	-0.038176	0.266943	-1.962
2108	1.390	-26.323	6.825	-0.050244	-0.038176	0.197106	1.004
2109	0	-22.909	-0.653352	-0.088147	-0.066554	0.220514	-3.036
2109	1.390	-22.909	8.729	-0.088147	-0.066554	0.097995	2.576
2110	0	-18.546	3.825	-0.113550	-0.155251	0.126311	-2.852
2110	1.390	-18.546	10.207	-0.113550	-0.155251	-0.031517	5.886
2201	0	-9.383	-16.023	-0.312834	0.023808	0.056209	17.658
2201	1.390	-9.383	-16.023	-0.312834	0.023808	-0.378614	-4.613
2202	0	-9.868	-14.365	-0.196853	-0.002031	-0.330537	9.512
2202	1.390	-9.868	-14.365	-0.196853	-0.002031	-0.604152	-10.455
2203	0	-11.367	-10.979	-0.108054	-0.000513	-0.564684	4.353
2203	1.390	-11.367	-10.979	-0.108054	-0.000513	-0.714873	-10.907
2204	0	-12.974	-7.565	-0.050548	0.000147	-0.687326	0.943778
2204	1.390	-12.974	-7.565	-0.050548	0.000147	-0.757585	-9.571

2205	0	-14.203	-4.347	-0.014253	-0.000682	-0.743504	-1.664
2205	1.390	-14.203	-4.347	-0.014253	-0.000682	-0.763315	-7.706
2206	0	-14.890	-1.192	0.014718	-0.001935	-0.763260	-3.977
2206	1.390	-14.890	-1.192	0.014718	-0.001935	-0.742803	-5.635
2207	0	-15.034	1.999	0.050894	-0.002741	-0.756755	-6.099
2207	1.390	-15.034	1.999	0.050894	-0.002741	-0.686016	-3.319
2208	0	-14.811	5.412	0.108113	-0.002003	-0.713403	-7.843
2208	1.390	-14.811	5.412	0.108113	-0.002003	-0.563133	-0.320554
2209	0	-14.754	8.876	0.196076	-0.000176	-0.602377	-8.239
2209	1.390	-14.754	8.876	0.196076	-0.000176	-0.329842	4.099
2210	0	-15.610	10.949	0.309380	-0.024327	-0.377663	-4.663
2210	1.390	-15.610	10.949	0.309380	-0.024327	0.052358	10.555
2301	0	-0.146729	-17.398	3.63E-06	0.035507	-2.38E-05	19.414
2301	1.390	-0.146729	-17.398	3.63E-06	0.035507	-1.88E-05	-4.768
2302	0	-0.048149	-15.085	1.63E-06	-0.030705	-3.55E-05	9.994
2302	1.390	-0.048149	-15.085	1.63E-06	-0.030705	-3.32E-05	-10.973
2303	0	0.049807	-12.111	-4.35E-07	-0.033598	-4.78E-05	5.307
2303	1.390	0.049807	-12.111	-4.35E-07	-0.033598	-4.84E-05	-11.527
2304	0	0.104228	-8.728	-2.56E-07	-0.023061	-5.92E-05	1.931
2304	1.390	0.104228	-8.728	-2.56E-07	-0.023061	-5.96E-05	-10.201
2305	0	0.123545	-5.126	2.53E-06	-0.008381	-6.56E-05	-1.000
2305	1.390	0.123545	-5.126	2.53E-06	-0.008381	-6.21E-05	-8.126
2306	0	0.121854	-1.466	5.80E-06	0.006110	-6.28E-05	-3.640
2306	1.390	0.121854	-1.466	5.80E-06	0.006110	-5.47E-05	-5.678
2307	0	0.097327	2.168	6.54E-06	0.020281	-4.98E-05	-5.919
2307	1.390	0.097327	2.168	6.54E-06	0.020281	-4.07E-05	-2.905
2308	0	0.032150	5.512	2.54E-06	0.030870	-3.04E-05	-7.471
2308	1.390	0.032150	5.512	2.54E-06	0.030870	-2.69E-05	0.190241
2309	0	-0.084486	7.837	-5.24E-06	0.028531	-1.20E-05	-7.467
2309	1.390	-0.084486	7.837	-5.24E-06	0.028531	-1.93E-05	3.426
2310	0	-0.206305	8.396	-1.17E-05	-0.033834	-1.49E-06	-4.293
2310	1.390	-0.206305	8.396	-1.17E-05	-0.033834	-1.77E-05	7.376
2401	0	9.083	-15.478	0.312673	0.023857	-0.056191	17.017
2401	1.390	9.083	-15.478	0.312673	0.023857	0.378407	-4.497
2402	0	9.862	-13.859	0.196660	-0.001979	0.330326	9.138
2402	1.390	9.862	-13.859	0.196660	-0.001979	0.603672	-10.126
2403	0	11.477	-10.778	0.107914	-0.000473	0.564215	4.323
2403	1.390	11.477	-10.778	0.107914	-0.000473	0.714209	-10.658
2404	0	13.109	-7.514	0.050496	0.000173	0.686637	1.019
2404	1.390	13.109	-7.514	0.050496	0.000173	0.756824	-9.424
2405	0	14.339	-4.342	0.014233	-0.000671	0.742705	-1.583
2405	1.390	14.339	-4.342	0.014233	-0.000671	0.762488	-7.618
2406	0	15.027	-1.192	-0.014713	-0.001941	0.762425	-3.889
2406	1.390	15.027	-1.192	-0.014713	-0.001941	0.741975	-5.547
2407	0	15.168	1.943	-0.050894	-0.002763	0.755982	-5.938
2407	1.390	15.168	1.943	-0.050894	-0.002763	0.685243	-3.237
2408	0	14.916	5.164	-0.107972	-0.002042	0.712672	-7.549
2408	1.390	14.916	5.164	-0.107972	-0.002042	0.562596	-0.371092
2409	0	14.724	8.299	-0.195895	-0.000232	0.601841	-7.861
2409	1.390	14.724	8.299	-0.195895	-0.000232	0.329558	3.673
2410	0	15.247	10.273	-0.309144	-0.024386	0.377371	-4.490
2410	1.390	15.247	10.273	-0.309144	-0.024386	-0.052321	9.789
2501	0	8.775	-10.169	-0.112723	0.151984	0.026703	8.780
2501	1.390	8.775	-7.042	-0.112723	0.151984	-0.129975	-3.181
2502	0	14.413	-7.156	-0.086465	0.064557	-0.102974	3.565
2502	1.390	14.413	-4.028	-0.086465	0.064557	-0.223155	-4.208
2503	0	19.880	-5.743	-0.048203	0.036463	-0.201155	2.103
2503	1.390	19.880	-2.615	-0.048203	0.036463	-0.268154	-3.706
2504	0	24.108	-4.543	-0.021796	0.020121	-0.252997	1.109
2504	1.390	24.108	-1.416	-0.021796	0.020121	-0.283291	-3.032
2505	0	26.883	-3.285	-0.005403	0.006027	-0.275883	0.127034
2505	1.390	26.883	-0.157254	-0.005403	0.006027	-0.283393	-2.265
2506	0	28.156	-2.006	0.007469	-0.007730	-0.284132	-0.806434
2506	1.390	28.156	1.121	0.007469	-0.007730	-0.273751	-1.421
2507	0	27.920	-0.741708	0.023791	-0.021822	-0.282619	-1.680
2507	1.390	27.920	2.386	0.023791	-0.021822	-0.249551	-0.537791
2508	0	26.186	0.499033	0.050117	-0.038210	-0.266176	-2.521
2508	1.390	26.186	3.626	0.050117	-0.038210	-0.196516	0.345734
2509	0	23.023	2.130	0.088123	-0.066599	-0.220055	-3.359
2509	1.390	23.023	5.257	0.088123	-0.066599	-0.097568	1.775
2510	0	19.116	5.615	0.113377	-0.155278	-0.126036	-3.004
2510	1.390	19.116	8.743	0.113377	-0.155278	0.031552	6.974
3101	0	-19.580	-15.053	0.100755	0.143986	-0.035341	10.668
3101	1.640	-19.580	-3.983	0.100755	0.143986	0.129890	-4.941
3102	0	-27.491	-10.934	0.064797	0.059296	0.097014	4.596
3102	1.640	-27.491	0.135201	0.064797	0.059296	0.203278	-4.259
3103	0	-33.789	-9.169	0.026347	0.034366	0.176967	2.989
3103	1.640	-33.789	1.901	0.026347	0.034366	0.220175	-2.970

3104	0	-37.921	-7.711	0.006771	0.019416	0.202320	1.722
3104	1.640	-37.921	3.359	0.006771	0.019416	0.213424	-1.847
3105	0	-39.965	-6.258	0.000741	0.006355	0.204505	0.474151
3105	1.640	-39.965	4.812	0.000741	0.006355	0.205720	-0.711653
3106	0	-39.965	-4.814	-0.000719	-0.006355	0.205702	-0.709642
3106	1.640	-39.965	6.255	-0.000719	-0.006355	0.204523	0.472140
3107	0	-37.921	-3.357	-0.006818	-0.019416	0.213462	-1.848
3107	1.640	-37.921	7.713	-0.006818	-0.019416	0.202281	1.724
3108	0	-33.789	-1.899	-0.026337	-0.034366	0.220166	-2.972
3108	1.640	-33.789	9.171	-0.026337	-0.034366	0.176975	2.991
3109	0	-27.490	-0.133030	-0.064793	-0.059296	0.203274	-4.260
3109	1.640	-27.490	10.937	-0.064793	-0.059296	0.097017	4.598
3110	0	-19.580	3.981	-0.100752	-0.143986	0.129888	-4.939
3110	1.640	-19.580	15.050	-0.100752	-0.143986	-0.035339	10.667
3201	0	-16.051	-16.343	-0.277926	0.020145	0.064951	16.225
3201	1.640	-16.051	-16.343	-0.277926	0.020145	-0.390829	-10.576
3202	0	-17.049	-13.613	-0.147396	-0.000441	-0.333306	8.515
3202	1.640	-17.049	-13.613	-0.147396	-0.000441	-0.575025	-13.810
3203	0	-19.217	-9.478	-0.060812	0.001525	-0.529035	3.353
3203	1.640	-19.217	-9.478	-0.060812	0.001525	-0.628762	-12.211
3204	0	-21.093	-5.600	-0.017944	0.001680	-0.597557	-0.402779
3204	1.640	-21.093	-5.600	-0.017944	0.001680	-0.626984	-9.587
3205	0	-22.105	-1.852	-0.002890	0.000648	-0.611387	-3.654
3205	1.640	-22.105	-1.852	-0.002890	0.000648	-0.616125	-6.692
3206	0	-22.105	1.859	0.002887	-0.000648	-0.616123	-6.697
3206	1.640	-22.105	1.859	0.002887	-0.000648	-0.611389	-3.648
3207	0	-21.093	5.593	0.017941	-0.001680	-0.626982	-9.581
3207	1.640	-21.093	5.593	0.017941	-0.001680	-0.597561	-0.409030
3208	0	-19.217	9.485	0.060837	-0.001525	-0.628784	-12.217
3208	1.640	-19.217	9.485	0.060837	-0.001525	-0.529015	3.338
3209	0	-17.049	13.606	0.147385	0.000441	-0.575018	-13.804
3209	1.640	-17.049	13.606	0.147385	0.000441	-0.333316	8.509
3210	0	-16.051	16.350	0.277904	-0.020145	-0.390814	-10.582
3210	1.640	-16.051	16.350	0.277904	-0.020145	0.064931	16.230
3301	0	-0.205097	-16.557	-8.64E-06	0.023788	-3.01E-05	16.332
3301	1.640	-0.205097	-16.557	-8.64E-06	0.023788	-4.43E-05	-10.820
3302	0	-0.043939	-14.370	-2.12E-05	-0.035501	-6.82E-05	9.191
3302	1.640	-0.043939	-14.370	-2.12E-05	-0.035501	-0.000103	-14.374
3303	0	0.076439	-10.814	-2.71E-05	-0.033890	-0.000123	4.701
3303	1.640	0.076439	-10.814	-2.71E-05	-0.033890	-0.000167	-13.033
3304	0	0.120342	-6.579	-2.20E-05	-0.021700	-0.000181	0.590724
3304	1.640	0.120342	-6.579	-2.20E-05	-0.021700	-0.000217	-10.199
3305	0	0.127864	-2.200	-8.38E-06	-0.007346	-0.000224	-3.243
3305	1.640	0.127864	-2.200	-8.38E-06	-0.007346	-0.000237	-6.850
3306	0	0.127864	2.192	8.38E-06	0.007346	-0.000237	-6.844
3306	1.640	0.127864	2.192	8.38E-06	0.007346	-0.000224	-3.249
3307	0	0.120342	6.586	2.20E-05	0.021700	-0.000217	-10.204
3307	1.640	0.120342	6.586	2.20E-05	0.021700	-0.000181	0.596174
3308	0	0.076439	10.820	2.71E-05	0.033890	-0.000167	-13.038
3308	1.640	0.076439	10.820	2.71E-05	0.033890	-0.000123	4.706
3309	0	-0.043939	14.362	2.12E-05	0.035500	-0.000103	-14.367
3309	1.640	-0.043939	14.362	2.12E-05	0.035500	-6.82E-05	9.185
3310	0	-0.205097	16.564	8.64E-06	-0.023788	-4.43E-05	-10.825
3310	1.640	-0.205097	16.564	8.64E-06	-0.023788	-3.01E-05	16.338
3401	0	15.717	-15.665	0.277679	0.020209	-0.064934	15.448
3401	1.640	15.717	-15.665	0.277679	0.020209	0.390441	-10.242
3402	0	17.091	-13.117	0.147195	-0.000383	0.332912	8.128
3402	1.640	17.091	-13.117	0.147195	-0.000383	0.574302	-13.383
3403	0	19.348	-9.364	0.060670	0.001566	0.528313	3.349
3403	1.640	19.348	-9.364	0.060670	0.001566	0.627808	-12.007
3404	0	21.221	-5.604	0.017890	0.001704	0.596588	-0.320102
3404	1.640	21.221	-5.604	0.017890	0.001704	0.625927	-9.509
3405	0	22.222	-1.857	0.002870	0.000656	0.610306	-3.602
3405	1.640	22.222	-1.857	0.002870	0.000656	0.615013	-6.647
3406	0	22.222	1.864	-0.002868	-0.000656	0.615011	-6.653
3406	1.640	22.222	1.864	-0.002868	-0.000656	0.610308	-3.596
3407	0	21.221	5.596	-0.017887	-0.001704	0.625924	-9.503
3407	1.640	21.221	5.596	-0.017887	-0.001704	0.596592	-0.326352
3408	0	19.348	9.370	-0.060665	-0.001566	0.627804	-12.013
3408	1.640	19.348	9.370	-0.060665	-0.001566	0.528318	3.354
3409	0	17.091	13.124	-0.147215	0.000383	0.574320	-13.389
3409	1.640	17.091	13.124	-0.147215	0.000383	0.332897	8.133
3410	0	15.717	15.658	-0.277687	-0.020209	0.390450	-10.236
3410	1.640	15.717	15.658	-0.277687	-0.020209	-0.064938	15.442
3501	0	20.119	-10.185	-0.100485	0.144021	0.035335	8.465
3501	1.640	20.119	-6.495	-0.100485	0.144021	-0.129453	-5.212
3502	0	27.492	-7.019	-0.064589	0.059344	-0.096548	3.545
3502	1.640	27.492	-3.329	-0.064589	0.059344	-0.202469	-4.940
3503	0	33.581	-5.450	-0.026198	0.034400	-0.176113	2.029

3503	1.640	33.581	-1.760	-0.026198	0.034400	-0.219077	-3.883
3504	0	37.673	-4.030	-0.006648	0.019436	-0.201216	0.753782
3504	1.640	37.673	-0.340608	-0.006648	0.019436	-0.212118	-2.830
3505	0	39.720	-2.576	-0.000710	0.006362	-0.203210	-0.507285
3505	1.640	39.720	1.114	-0.000710	0.006362	-0.204374	-1.707
3506	0	39.720	-1.111	0.000688	-0.006362	-0.204356	-1.708
3506	1.640	39.720	2.578	0.000688	-0.006362	-0.203228	-0.305531
3507	0	37.673	0.338158	0.006695	-0.019436	-0.212156	-2.828
3507	1.640	37.673	4.028	0.006695	-0.019436	-0.201177	0.751775
3508	0	33.581	1.763	0.026122	-0.034400	-0.219014	-3.885
3508	1.640	33.581	5.452	0.026122	-0.034400	-0.176176	2.031
3509	0	27.492	3.327	0.064646	-0.059344	-0.202516	-4.938
3509	1.640	27.492	7.016	0.064646	-0.059344	-0.096501	3.543
3510	0	20.119	6.497	0.100482	-0.144021	-0.129450	-5.213
3510	1.640	20.119	10.187	0.100482	-0.144021	0.035333	8.467
4101	0	-18.546	-13.211	0.113484	0.155251	-0.031474	8.988
4101	1.390	-18.546	-3.829	0.113484	0.155251	0.126263	-2.854
4102	0	-22.909	-8.732	0.088185	0.066554	0.097967	2.578
4102	1.390	-22.909	0.649967	0.088185	0.066554	0.220538	-3.039
4103	0	-26.323	-6.821	0.050277	0.038176	0.197083	1.001
4103	1.390	-26.323	2.561	0.050277	0.038176	0.266964	-1.959
4104	0	-28.152	-5.522	0.023875	0.021803	0.250327	0.137234
4104	1.390	-28.152	3.860	0.023875	0.021803	0.283511	-1.018
4105	0	-28.414	-4.260	0.007480	0.007727	0.274648	-0.722565
4105	1.390	-28.414	5.123	0.007480	0.007727	0.285045	-0.122807
4106	0	-27.143	-2.964	-0.005330	-0.006016	0.284234	-1.577
4106	1.390	-27.143	6.418	-0.005330	-0.006016	0.276826	0.823831
4107	0	-24.346	-1.704	-0.021860	-0.020096	0.284134	-2.364
4107	1.390	-24.346	7.678	-0.021860	-0.020096	0.253750	1.788
4108	0	-20.040	-0.454405	-0.048423	-0.036426	0.268936	-3.126
4108	1.390	-20.040	8.928	-0.048423	-0.036426	0.201630	2.763
4109	0	-14.359	1.188	-0.086587	-0.064516	0.223634	-3.831
4109	1.390	-14.359	10.570	-0.086587	-0.064516	0.103283	4.340
4110	0	-8.329	5.106	-0.112838	-0.151973	0.130184	-2.969
4110	1.390	-8.329	14.488	-0.112838	-0.151973	-0.026655	10.649
4201	0	-15.610	-10.936	-0.309367	0.024326	0.052350	10.546
4201	1.390	-15.610	-10.936	-0.309367	0.024326	-0.377653	-4.654
4202	0	-14.754	-8.910	-0.196101	0.000176	-0.329824	4.123
4202	1.390	-14.754	-8.910	-0.196101	0.000176	-0.602394	-8.262
4203	0	-14.811	-5.399	-0.108079	0.002003	-0.563156	-0.329455
4203	1.390	-14.811	-5.399	-0.108079	0.002003	-0.713380	-7.834
4204	0	-15.034	-2.010	-0.050906	0.002741	-0.686007	-3.312
4204	1.390	-15.034	-2.010	-0.050906	0.002741	-0.756764	-6.106
4205	0	-14.890	1.205	-0.014726	0.001936	-0.742797	-5.644
4205	1.390	-14.890	1.205	-0.014726	0.001936	-0.763266	-3.969
4206	0	-14.203	4.360	0.014247	0.000682	-0.763311	-7.715
4206	1.390	-14.203	4.360	0.014247	0.000682	-0.743508	-1.655
4207	0	-12.974	7.554	0.050543	-0.000147	-0.757581	-9.564
4207	1.390	-12.974	7.554	0.050543	-0.000147	-0.687329	0.936352
4208	0	-11.367	10.968	0.108047	0.000513	-0.714868	-10.900
4208	1.390	-11.367	10.968	0.108047	0.000513	-0.564689	4.346
4209	0	-9.868	14.378	0.196840	0.002031	-0.604144	-10.464
4209	1.390	-9.868	14.378	0.196840	0.002031	-0.330547	9.521
4210	0	-9.383	16.013	0.312877	-0.023808	-0.378646	-4.606
4210	1.390	-9.383	16.013	0.312877	-0.023808	0.056236	17.651
4301	0	-0.206305	-8.382	1.17E-05	0.033834	-1.77E-05	7.367
4301	1.390	-0.206305	-8.382	1.17E-05	0.033834	-1.49E-06	-4.284
4302	0	-0.084486	-7.848	5.24E-06	-0.028531	-1.93E-05	3.434
4302	1.390	-0.084486	-7.848	5.24E-06	-0.028531	-1.20E-05	-7.474
4303	0	0.032150	-5.523	-2.54E-06	-0.030870	-2.69E-05	0.197655
4303	1.390	0.032150	-5.523	-2.54E-06	-0.030870	-3.04E-05	-7.479
4304	0	0.097327	-2.156	-6.55E-06	-0.020281	-4.07E-05	-2.913
4304	1.390	0.097327	-2.156	-6.55E-06	-0.020281	-4.98E-05	-5.910
4305	0	0.121854	1.479	-5.80E-06	-0.006110	-5.47E-05	-5.687
4305	1.390	0.121854	1.479	-5.80E-06	-0.006110	-6.28E-05	-3.631
4306	0	0.123545	5.116	-2.53E-06	0.008881	-6.21E-05	-8.118
4306	1.390	0.123545	5.116	-2.53E-06	0.008881	-6.56E-05	-1.008
4307	0	0.104229	8.717	2.56E-07	0.023061	-5.96E-05	-10.194
4307	1.390	0.104229	8.717	2.56E-07	0.023061	-5.92E-05	1.923
4308	0	0.049807	12.124	4.35E-07	0.033598	-4.84E-05	-11.536
4308	1.390	0.049807	12.124	4.35E-07	0.033599	-4.78E-05	5.316
4309	0	-0.048149	15.075	-1.63E-06	0.030705	-3.32E-05	-10.966
4309	1.390	-0.048149	15.075	-1.63E-06	0.030705	-3.55E-05	9.987
4310	0	-0.146728	17.388	-3.63E-06	-0.035507	-1.88E-05	-4.761
4310	1.390	-0.146728	17.388	-3.63E-06	-0.035507	-2.38E-05	19.407
4401	0	15.247	-10.260	0.309181	0.024386	-0.052348	9.780
4401	1.390	15.247	-10.260	0.309181	0.024386	0.377396	-4.481
4402	0	14.724	-8.333	0.195870	0.000232	0.329575	3.697
4402	1.390	14.724	-8.333	0.195870	0.000232	0.601823	-7.885

4403	0	14.916	-5.151	0.107990	0.002042	0.562584	-0.379996
4403	1.390	14.916	-5.151	0.107990	0.002042	0.712684	-7.540
4404	0	15.168	-1.954	0.050855	0.002763	0.685269	-3.230
4404	1.390	15.168	-1.954	0.050855	0.002763	0.755955	-5.946
4405	0	15.027	1.205	0.014722	0.001941	0.741969	-5.555
4405	1.390	15.027	1.205	0.014722	0.001941	0.762431	-3.880
4406	0	14.339	4.355	-0.014227	0.000671	0.762483	-7.627
4406	1.390	14.339	4.355	-0.014227	0.000671	0.742709	-1.574
4407	0	13.109	7.503	-0.050491	-0.000173	0.756820	-9.417
4407	1.390	13.109	7.503	-0.050491	-0.000173	0.686641	1.012
4408	0	11.477	10.768	-0.107907	0.000473	0.714204	-10.651
4408	1.390	11.477	10.768	-0.107907	0.000473	0.564220	4.316
4409	0	9.862	13.872	-0.196647	0.001979	0.603663	-10.135
4409	1.390	9.862	13.872	-0.196647	0.001979	0.330335	9.147
4410	0	9.083	15.468	-0.312716	-0.023857	0.378439	-4.490
4410	1.390	9.083	15.468	-0.312716	-0.023857	-0.056218	17.010
4501	0	19.116	-8.746	-0.113406	0.155277	0.031574	6.976
4501	1.390	19.116	-5.618	-0.113406	0.155277	-0.126054	-3.007
4502	0	23.023	-5.253	-0.088060	0.066599	-0.097610	1.772
4502	1.390	23.023	-2.126	-0.088060	0.066599	-0.220009	-3.356
4503	0	26.186	-3.630	-0.050049	0.038210	-0.196562	0.348100
4503	1.390	26.186	-0.502449	-0.050049	0.038210	-0.266127	-2.524
4504	0	27.920	-2.382	-0.023832	0.021822	-0.249522	-0.540654
4504	1.390	27.920	0.745815	-0.023832	0.021822	-0.282646	-1.677
4505	0	28.156	-1.125	-0.007501	0.007730	-0.273728	-1.419
4505	1.390	28.156	2.002	-0.007501	0.007730	-0.284154	-0.808833
4506	0	26.883	0.153820	0.005373	-0.006027	-0.283372	-2.263
4506	1.390	26.883	3.281	0.005373	-0.006027	-0.275903	0.124638
4507	0	24.108	1.420	0.021763	-0.020121	-0.283268	-3.035
4507	1.390	24.108	4.547	0.021763	-0.020121	-0.253019	1.112
4508	0	19.880	3.612	0.048286	-0.036463	-0.268212	-3.703
4508	1.390	19.880	5.739	0.048286	-0.036463	-0.201097	2.100
4509	0	14.413	4.033	0.086445	-0.064557	-0.223142	-4.211
4509	1.390	14.413	7.160	0.086445	-0.064557	-0.102988	3.568
4510	0	8.775	7.046	0.112712	-0.151984	-0.129967	-3.184
4510	1.390	8.775	10.174	0.112712	-0.151984	0.026696	8.783
5101	0	-8.691	-13.318	0.149531	0.239554	-0.103466	9.446
5101	1.270	-8.691	-4.746	0.149531	0.239554	0.086431	-2.025
5102	0	-12.529	-8.740	0.129965	0.152301	-0.001924	2.732
5102	1.270	-12.529	-0.167991	0.129965	0.152301	0.163125	-2.925
5103	0	-15.815	-6.733	0.093336	0.125077	0.077521	0.984351
5103	1.270	-15.815	1.839	0.093336	0.125077	0.196054	-2.123
5104	0	-17.859	-5.524	0.064926	0.112333	0.114246	0.243965
5104	1.270	-17.859	3.048	0.064926	0.112333	0.196698	-1.328
5105	0	-18.626	-4.392	0.047101	0.103741	0.118926	-0.453280
5105	1.270	-18.626	4.180	0.047101	0.103741	0.178741	-0.588177
5106	0	-18.154	-3.288	0.037469	0.096992	0.104682	-1.133
5106	1.270	-18.154	5.285	0.037469	0.096992	0.152265	0.134472
5107	0	-16.475	-2.240	0.033277	0.091539	0.081373	-1.782
5107	1.270	-16.475	6.332	0.033277	0.091539	0.123633	0.816851
5108	0	-13.605	-1.288	0.032494	0.086908	0.055237	-2.470
5108	1.270	-13.605	7.285	0.032494	0.086908	0.096502	1.338
5109	0	-9.534	0.020360	0.034570	0.081316	0.029862	-3.426
5109	1.270	-9.534	8.592	0.034570	0.081316	0.073764	2.043
5110	0	-4.409	3.587	0.044789	0.066435	0.008205	-4.248
5110	1.270	-4.409	12.159	0.044789	0.066435	0.065085	5.751
5201	0	-9.527	-10.887	-0.256125	0.143511	0.034061	11.201
5201	1.270	-9.527	-10.887	-0.256125	0.143511	-0.291205	-2.624
5202	0	-8.580	-9.149	-0.154126	0.117897	-0.249856	4.373
5202	1.270	-8.580	-9.149	-0.154126	0.117897	-0.445588	-6.745
5203	0	-8.283	-6.013	-0.068108	0.119831	-0.409222	0.449446
5203	1.270	-8.283	-6.013	-0.068108	0.119831	-0.495716	-7.186
5204	0	-8.236	-2.842	-0.007618	0.121609	-0.466010	-2.486
5204	1.270	-8.236	-2.842	-0.007618	0.121609	-0.475684	-6.096
5205	0	-7.966	0.124063	0.030144	0.121875	-0.453043	-4.622
5205	1.270	-7.966	0.124063	0.030144	0.121875	-0.414762	-4.464
5206	0	-7.234	2.935	0.051008	0.121504	-0.398665	-6.359
5206	1.270	-7.234	2.935	0.051008	0.121504	-0.333888	-2.661
5207	0	-5.959	5.852	0.060661	0.121002	-0.323328	-8.009
5207	1.270	-5.959	5.852	0.060661	0.121002	-0.246292	-0.577645
5208	0	-4.196	8.937	0.063617	0.120380	-0.240048	-9.260
5208	1.270	-4.196	8.937	0.063617	0.120380	-0.159258	2.090
5209	0	-2.272	12.172	0.062790	0.118070	-0.156065	-9.500
5209	1.270	-2.272	12.172	0.062790	0.118070	-0.076324	5.958
5210	0	-0.875653	14.302	0.058504	0.102681	-0.074953	-7.237
5210	1.270	-0.875653	14.302	0.058504	0.102681	-0.000656	10.926
5301	0	-0.125334	-7.190	2.39E-05	0.156134	-1.21E-05	6.480
5301	1.270	-0.125334	-7.190	2.39E-05	0.156134	1.82E-05	-2.651

5302	0	-0.025971	-7.427	1.51E-05	0.092249	3.33E-06	3.708
5302	1.270	-0.025971	-7.427	1.51E-05	0.092249	2.25E-05	-5.725
5303	0	0.081420	-5.746	6.43E-06	0.084459	9.95E-06	0.838096
5303	1.270	0.081420	-5.746	6.43E-06	0.084459	1.81E-05	-6.459
5304	0	0.160263	-2.902	3.29E-07	0.088873	9.20E-06	-2.041
5304	1.270	0.160263	-2.902	3.29E-07	0.088873	9.61E-06	-5.727
5305	0	0.212728	0.480302	-2.24E-06	0.095993	5.13E-06	-4.666
5305	1.270	0.212728	0.480302	-2.24E-06	0.095993	2.28E-06	-4.056
5306	0	0.250243	3.891	-2.82E-06	0.103023	2.56E-06	-6.863
5306	1.270	0.250243	3.891	-2.82E-06	0.103023	-1.01E-06	-1.921
5307	0	0.273456	7.435	-3.91E-06	0.108898	4.01E-06	-8.716
5307	1.270	0.273456	7.435	-3.91E-06	0.108898	-9.49E-07	0.726359
5308	0	0.266540	10.853	-7.63E-06	0.112970	8.44E-06	-9.866
5308	1.270	0.266540	10.853	-7.63E-06	0.112970	-1.24E-06	3.917
5309	0	0.207457	13.659	-1.40E-05	0.113463	1.18E-05	-9.650
5309	1.270	0.207457	13.659	-1.40E-05	0.113463	-6.01E-06	7.696
5310	0	0.100663	14.693	-2.02E-05	0.099567	9.41E-06	-6.879
5310	1.270	0.100663	14.693	-2.02E-05	0.099567	-1.62E-05	11.780
5401	0	9.246	-10.263	0.255921	0.143560	-0.034032	10.493
5401	1.270	9.246	-10.263	0.255921	0.143560	0.290975	-2.541
5402	0	8.571	-8.578	0.154023	0.117948	0.249580	4.468
5402	1.270	8.571	-8.578	0.154023	0.117948	0.445182	-6.426
5403	0	8.418	-5.695	0.067964	0.119868	0.408776	0.367341
5403	1.270	8.418	-5.695	0.067964	0.119868	0.495087	-6.865
5404	0	8.430	-2.690	0.007501	0.121631	0.465414	-2.445
5404	1.270	8.430	-2.690	0.007501	0.121631	0.474940	-5.861
5405	0	8.199	0.193198	-0.030165	0.121881	0.452322	-4.555
5405	1.270	8.199	0.193198	-0.030165	0.121881	0.414015	-4.309
5406	0	7.514	3.096	-0.050973	0.121495	0.397909	-6.375
5406	1.270	7.514	3.096	-0.050973	0.121495	0.333176	-2.443
5407	0	6.302	6.001	-0.060583	0.120977	0.322608	-7.930
5407	1.270	6.302	6.001	-0.060583	0.120977	0.245663	-0.308170
5408	0	4.612	8.967	-0.063499	0.120341	0.239420	-9.043
5408	1.270	4.612	8.967	-0.063499	0.120341	0.158780	2.345
5409	0	2.720	11.858	-0.062631	0.118016	0.155593	-9.122
5409	1.270	2.720	11.858	-0.062631	0.118016	0.076055	5.937
5410	0	1.192	13.679	-0.058331	0.102626	0.074709	-6.896
5410	1.270	1.192	13.679	-0.058331	0.102626	0.000632	10.475
5501	0	9.098	-9.152	-0.149355	0.239569	0.103444	7.621
5501	1.270	9.098	-6.294	-0.149355	0.239569	-0.086230	-2.187
5502	0	12.564	-5.508	-0.129807	0.152340	0.002146	2.051
5502	1.270	12.564	-2.651	-0.129807	0.152340	-0.162703	-3.130
5503	0	15.599	-3.771	-0.093219	0.125109	-0.077079	0.452537
5503	1.270	15.599	-0.913734	-0.093219	0.125109	-0.195462	-2.522
5504	0	17.504	-2.606	-0.064764	0.112351	-0.113694	-0.327142
5504	1.270	17.504	0.251163	-0.064764	0.112351	-0.195941	-1.823
5505	0	18.180	-1.473	-0.047135	0.103745	-0.118179	-1.055
5505	1.270	18.180	1.385	-0.047135	0.103745	-0.178039	-1.111
5506	0	17.625	-0.343720	-0.037445	0.096982	-0.103965	-1.752
5506	1.270	17.625	2.514	-0.037445	0.096982	-0.151517	-0.374372
5507	0	15.858	0.724128	-0.033333	0.091515	-0.080669	-2.386
5507	1.270	15.858	3.582	-0.033333	0.091515	-0.123001	0.348169
5508	0	12.922	1.702	-0.032608	0.086869	-0.054614	-3.005
5508	1.270	12.922	4.559	-0.032608	0.086869	-0.096025	0.970289
5509	0	8.879	2.912	-0.034682	0.081262	-0.029426	-3.734
5509	1.270	8.879	5.770	-0.034682	0.081262	-0.073470	1.779
5510	0	3.991	5.809	-0.044945	0.066381	-0.007971	-4.130
5510	1.270	3.991	8.666	-0.044945	0.066381	-0.065048	5.061
11201	0	-0.004378	12.632	0.016111	-0.042091	-0.000868	9.759
11201	0.825	-0.004378	12.632	0.016111	-0.042091	-0.014159	-0.663092
11202	0	0.047977	12.303	0.001764	1.683	-0.001707	-0.511490
11202	0.825	0.047977	12.303	0.001764	1.683	-0.000252	9.638
11203	0	-0.017336	12.426	0.003340	9.672	2.00E-08	0.042182
11203	0.300	-0.017336	12.426	0.003340	9.672	0.001002	3.770
11204	0	0.002412	-12.426	0.040639	-9.688	2.44E-07	-1.683
11204	0.300	0.002412	-12.426	0.040639	-9.688	0.012192	-5.411
11205	0	-8.234	-0.084751	-1.07E-11	-0.016140	-1.29E-16	8.909
11205	0.600	-8.234	-0.084751	-1.07E-11	-0.016140	-6.43E-12	8.858
11208	0	47.955	20.293	2.231	6.383	-2.713	-4.037
11208	4.500	47.955	20.293	2.231	6.383	7.325	87.278
11209	0	-47.954	20.295	-2.232	6.388	2.714	-4.044
11209	4.500	-47.954	20.295	-2.232	6.388	-7.329	87.279
11210	0	198.568	16.459	4.061	4.081	-9.389	13.292
11210	4.500	198.568	16.459	4.061	4.081	8.883	87.353
11211	0	-198.568	16.459	-4.061	4.081	9.390	13.291
11211	4.500	-198.568	16.459	-4.061	4.081	-8.883	87.353
11259	0	0.000594	-0.836382	-28.602	-3.822	57.201	1.674
11259	4.000	0.000594	-0.836382	-28.602	-3.822	-57.201	-1.671
11260	0	-62.188	-5.179	274.897	-4.042	75.209	-9.112

11260	2.000	-62.188	-5.179	274.897	-4.042	624.981	-19.470
.							
11261	0	62.188	-5.179	274.897	-4.042	-624.981	19.470
11261	2.000	62.188	-5.179	274.897	-4.042	-75.209	9.113
.							
11270	0	-9.74E-07	124.374	2.75E-05	38.940	0.000257	1249.984
11270	0.200	-9.74E-07	124.374	2.75E-05	38.940	0.000262	1274.858
.							
11271	0	-58.761	1.547	-19.729	3.822	70.590	5.009
11271	4.924	-58.761	1.547	-19.729	3.822	-26.560	12.628
.							
11272	0	58.760	1.548	19.729	3.822	-70.591	5.005
11272	4.924	58.760	1.548	19.729	3.822	26.561	12.630
.							
11273	0	-87.429	1.118	-16.532	0.543936	87.378	-13.691
11273	6.021	-87.429	1.118	-16.532	0.543936	-12.155	-6.962
.							
11274	0	87.430	1.118	16.532	0.544347	-87.378	-13.693
11274	6.021	87.430	1.118	16.532	0.544347	12.155	-6.961
.							
11281	0	-24.745	-0.019740	2.314	0.165559	19.360	-1.633
11281	2.310	-24.745	-0.019740	2.314	0.165559	24.704	-1.678
.							
11282	0	-49.536	-0.031982	4.569	0.827711	49.712	-10.322
11282	0.301	-49.536	-0.031982	4.569	0.827711	51.087	-10.332
.							
11283	0	-29.448	2.197	-47.183	-2.677	55.124	-3.981
11283	2.000	-29.448	2.197	-47.183	-2.677	-39.237	0.413282
.							
11284	0	29.438	2.198	-47.182	-2.678	39.238	-0.406276
11284	2.000	29.438	2.198	-47.182	-2.678	-55.122	3.990
.							
11285	0	49.529	-0.036626	4.567	0.828740	-51.078	10.346
11285	0.301	49.529	-0.036626	4.567	0.828740	-49.704	10.334
.							
11286	0	24.739	-0.019705	2.314	0.166249	-24.699	1.686
11286	2.310	24.739	-0.019705	2.314	0.166249	-19.355	1.640
.							
11301	0	0.049136	12.600	0.001376	-0.397758	-0.001337	-0.604819
11301	0.825	0.049136	12.600	0.001376	-0.397758	-0.000201	9.790
.							
11302	0	0.089238	12.450	-5.48E-05	1.197	0.000112	-0.561424
11302	0.825	0.089238	12.450	-5.48E-05	1.197	6.72E-05	9.709
.							
11303	0	-0.001805	12.524	0.022923	9.757	1.38E-07	0.397835
11303	0.300	-0.001805	12.524	0.022923	9.757	0.006877	4.155
.							
11304	0	-0.000173	-12.524	0.065036	-9.739	3.90E-07	-1.197
11304	0.300	-0.000173	-12.524	0.065036	-9.739	0.019510	-4.954
.							
11305	0	-18.478	-0.461060	1.08E-11	0.019190	1.30E-16	8.504
11305	0.600	-18.478	-0.461060	1.08E-11	0.019190	6.49E-12	8.227
.							
11308	0	48.488	20.410	1.069	3.066	-1.295	-3.847
11308	4.500	48.488	20.410	1.069	3.066	3.514	87.993
.							
11309	0	-48.487	20.411	-1.067	3.060	1.294	-3.853
11309	4.500	-48.487	20.411	-1.067	3.060	-3.509	87.994
.							

11310	0	200.346	16.577	1.948	1.958	-4.505	13.479
11310	4.500	200.346	16.577	1.948	1.958	4.262	88.072
.							
11311	0	-200.346	16.577	-1.948	1.957	4.503	13.479
11311	4.500	-200.346	16.577	-1.948	1.957	-4.261	88.073
.							
11359	0	0.000495	-0.401154	-28.803	-1.834	57.604	0.800051
11359	4.000	0.000495	-0.401154	-28.803	-1.834	-57.604	-0.804501
.							
11360	0	-62.674	-2.484	277.309	-1.939	75.829	-4.372
11360	2.000	-62.674	-2.484	277.309	-1.939	630.424	-9.340
.							
11361	0	62.674	-2.484	277.309	-1.939	-630.424	9.339
11361	2.000	62.674	-2.484	277.309	-1.939	-75.829	4.371
.							
11370	0	4.00E-07	125.351	-2.63E-05	18.680	-0.000240	1260.871
11370	0.200	4.00E-07	125.351	-2.63E-05	18.680	-0.000245	1285.940
.							
11371	0	-59.285	0.745456	-19.901	1.836	71.243	2.396
11371	4.924	-59.285	0.745456	-19.901	1.836	-26.755	6.067
.							
11372	0	59.284	0.743967	19.902	1.835	-71.244	2.401
11372	4.924	59.284	0.743967	19.902	1.835	26.757	6.064
.							
11373	0	-88.148	0.536634	-16.678	0.261320	88.155	-6.570
11373	6.021	-88.148	0.536634	-16.678	0.261320	-12.254	-3.339
.							
11374	0	88.148	0.536051	16.678	0.260735	-88.155	-6.567
11374	6.021	88.148	0.536051	16.678	0.260735	12.254	-3.340
.							
11381	0	-24.930	-0.001630	2.426	0.084923	19.496	-0.794339
11381	2.310	-24.930	-0.001630	2.426	0.084923	25.099	-0.798105
.							
11382	0	-49.917	-0.002486	4.746	0.391044	50.336	-4.977
11382	0.301	-49.917	-0.002486	4.746	0.391044	51.764	-4.977
.							
11383	0	-29.720	1.065	-47.577	-1.286	55.610	-1.926
11383	2.000	-29.720	1.065	-47.577	-1.286	-39.539	0.204594
.							
11384	0	29.711	1.064	-47.576	-1.284	39.540	-0.214816
11384	2.000	29.711	1.064	-47.576	-1.284	-55.608	1.913
.							
11385	0	49.906	-0.004179	4.728	0.389566	-51.754	4.958
11385	0.301	49.906	-0.004179	4.728	0.389566	-50.331	4.957
.							
11386	0	24.924	-0.001645	2.426	0.082782	-25.094	0.774567
11386	2.310	24.924	-0.001645	2.426	0.082782	-19.492	0.770900
.							
11401	0	0.088971	12.455	-0.000105	-1.197	-4.67E-05	-0.563343
11401	0.825	0.088971	12.455	-0.000105	-1.197	-0.000133	9.712
.							
11402	0	0.048937	12.607	-0.001666	0.397735	0.001453	-0.607698
11402	0.825	0.048937	12.607	-0.001666	0.397735	7.81E-05	9.793
.							
11403	0	-0.000173	12.524	0.096474	9.739	5.79E-07	1.197
11403	0.300	-0.000173	12.524	0.096474	9.739	0.028942	4.954
.							
11404	0	-0.001805	-12.524	0.035464	-9.757	2.13E-07	-0.397794
11404	0.300	-0.001805	-12.524	0.035464	-9.757	0.010639	-4.155

.							
11405	0	-18.478	0.182624	1.11E-14	-0.019063	1.34E-19	8.310
11405	0.600	-18.478	0.182624	1.11E-14	-0.019063	6.68E-15	8.420
.							
11408	0	48.488	20.410	-1.069	-3.067	1.296	-3.847
11408	4.500	48.488	20.410	-1.069	-3.067	-3.514	87.993
.							
11409	0	-48.487	20.411	1.067	-3.061	-1.294	-3.853
11409	4.500	-48.487	20.411	1.067	-3.061	3.509	87.994
.							
11410	0	200.346	16.577	-1.948	-1.958	4.505	13.479
11410	4.500	200.346	16.577	-1.948	-1.958	-4.262	88.072
.							
11411	0	-200.346	16.577	1.948	-1.957	-4.504	13.479
11411	4.500	-200.346	16.577	1.948	-1.957	4.261	88.073
.							
11459	0	0.000495	0.401182	-28.803	1.834	57.604	-0.800107
11459	4.000	0.000495	0.401182	-28.803	1.834	-57.604	0.804556
.							
11460	0	-62.674	2.484	277.309	1.939	75.829	4.372
11460	2.000	-62.674	2.484	277.309	1.939	630.424	9.341
.							
11461	0	62.674	2.484	277.309	1.939	-630.424	-9.340
11461	2.000	62.674	2.484	277.309	1.939	-75.829	-4.371
.							
11470	0	4.23E-07	125.347	2.63E-05	-18.681	0.000240	1260.871
11470	0.200	4.23E-07	125.347	2.63E-05	-18.681	0.000245	1285.939
.							
11471	0	-59.285	-0.745509	-19.901	-1.836	71.243	-2.396
11471	4.924	-59.285	-0.745509	-19.901	-1.836	-26.756	-6.067
.							
11472	0	59.284	-0.744020	19.902	-1.835	-71.244	-2.401
11472	4.924	59.284	-0.744020	19.902	-1.835	26.757	-6.065
.							
11473	0	-88.148	-0.536672	-16.678	-0.261338	88.155	6.570
11473	6.021	-88.148	-0.536672	-16.678	-0.261338	-12.254	3.339
.							
11474	0	88.148	-0.536089	16.678	-0.260754	-88.155	6.568
11474	6.021	88.148	-0.536089	16.678	-0.260754	12.254	3.340
.							
11481	0	-24.930	0.001631	2.426	-0.084929	19.496	0.794394
11481	2.310	-24.930	0.001631	2.426	-0.084929	25.099	0.798162
.							
11482	0	-49.913	0.004638	4.748	-0.391071	50.336	4.977
11482	0.301	-49.913	0.004638	4.748	-0.391071	51.765	4.978
.							
11483	0	-29.720	-1.066	-47.577	1.286	55.610	1.926
11483	2.000	-29.720	-1.066	-47.577	1.286	-39.539	-0.204608
.							
11484	0	29.711	-1.064	-47.576	1.285	39.540	0.214825
11484	2.000	29.711	-1.064	-47.576	1.285	-55.608	-1.913
.							
11485	0	49.901	0.001339	4.746	-0.389592	-51.756	-4.958
11485	0.301	49.901	0.001339	4.746	-0.389592	-50.329	-4.958
.							
11486	0	24.924	0.001648	2.426	-0.082787	-25.094	-0.774625
11486	2.310	24.924	0.001648	2.426	-0.082787	-19.492	-0.770819
.							
11501	0	0.048156	12.320	-0.002141	-1.683	0.001863	-0.518686
11501	0.825	0.048156	12.320	-0.002141	-1.683	9.63E-05	9.645
.							
11502	0	-0.003838	12.108	-0.017248	0.042077	0.014628	-0.446985
11502	0.825	-0.003838	12.108	-0.017248	0.042077	0.000399	9.542
.							
11503	0	0.002412	12.426	0.025338	9.688	1.82E-07	1.683
11503	0.300	0.002412	12.426	0.025338	9.688	0.007601	5.411
.							
11504	0	-0.017336	-12.426	-0.025338	-9.672	-1.82E-07	-0.042112
11504	0.300	-0.017336	-12.426	-0.025338	-9.672	-0.007601	-3.770
.							
11505	0	-8.234	1.140	2.34E-14	0.016140	2.81E-19	8.541
11505	0.600	-8.234	1.140	2.34E-14	0.016140	1.40E-14	9.225
.							
11508	0	47.955	20.293	-2.231	-6.384	2.713	-4.037
11508	4.500	47.955	20.293	-2.231	-6.384	-7.326	87.278
.							
11509	0	-47.954	20.295	2.232	-6.388	-2.714	-4.044
11509	4.500	-47.954	20.295	2.232	-6.388	7.329	87.279
.							
11510	0	198.568	16.459	-4.061	-4.081	9.390	13.292
11510	4.500	198.568	16.459	-4.061	-4.081	-8.883	87.353
.							
11511	0	-198.568	16.459	4.061	-4.081	-9.391	13.291
11511	4.500	-198.568	16.459	4.061	-4.081	8.884	87.353
.							
11559	0	0.000495	0.836414	-28.602	3.822	57.201	-1.674
11559	4.000	0.000495	0.836414	-28.602	3.822	-57.201	1.671
.							
11560	0	-62.188	5.179	274.897	4.042	75.209	9.113
11560	2.000	-62.188	5.179	274.897	4.042	624.980	19.470
.							
11561	0	62.187	5.179	274.897	4.042	-624.981	-19.471
11561	2.000	62.187	5.179	274.897	4.042	-75.209	-9.113
.							
11570	0	-9.44E-07	124.378	-2.75E-05	-38.941	-0.000257	1249.983
11570	0.200	-9.44E-07	124.378	-2.75E-05	-38.941	-0.000262	1274.858
.							
11571	0	-58.761	-1.547	-19.729	-3.822	70.590	-5.009
11571	4.924	-58.761	-1.547	-19.729	-3.822	-26.560	-12.629
.							
11572	0	58.760	-1.549	19.729	-3.823	-70.591	-5.005
11572	4.924	58.760	-1.549	19.729	-3.823	26.561	-12.630
.							
11573	0	-87.429	-1.118	-16.532	-0.543955	87.378	13.692
11573	6.021	-87.429	-1.118	-16.532	-0.543955	-12.155	6.962
.							
11574	0	87.430	-1.118	16.532	-0.544365	-87.378	13.694
11574	6.021	87.430	-1.118	16.532	-0.544365	12.155	6.961
.							
11581	0	-24.745	0.019749	2.314	-0.165565	19.360	1.633
11581	2.310	-24.745	0.019749	2.314	-0.165565	24.704	1.678
.							
11582	0	-49.536	0.035330	4.569	-0.827737	48.712	10.322
11582	0.301	-49.536	0.035330	4.569	-0.827737	51.087	10.332
.							
11583	0	-29.448	-2.197	-47.183	2.677	55.124	3.981
11583	2.000	-29.448	-2.197	-47.183	2.677	-39.237	-0.413300
.							

11584	0	29.438	-2.198	-47.182	2.679	39.238	0.406302
11584	2.000	29.438	-2.198	-47.182	2.679	-55.122	-3.991
.							
11585	0	49.525	0.032688	4.560	-0.828766	-51.077	-10.345
11585	0.301	49.525	0.032688	4.560	-0.828766	-49.705	-10.335
.							
11586	0	24.739	0.019720	2.314	-0.166254	-24.699	-1.636
11586	2.310	24.739	0.019720	2.314	-0.166254	-19.355	-1.640
.							
12201	0	0.322883	12.421	0.008532	3.264	-0.008913	-0.386516
12201	1.036	0.322883	12.421	0.008532	3.264	-7.38E-05	12.481
.							
12202	0	0.405364	12.392	0.005195	5.404	-0.005294	-0.350854
12202	1.036	0.405364	12.392	0.005195	5.404	8.79E-05	12.487
.							
12203	0	-0.008628	12.444	0.332417	12.493	1.99E-06	-3.264
12203	0.300	-0.008628	12.444	0.332417	12.493	0.099723	0.468623
.							
12204	0	0.004998	-12.444	0.415227	-12.514	2.49E-06	-5.404
12204	0.300	0.004998	-12.444	0.415227	-12.514	0.124566	-9.137
.							
12205	0	-9.302	-2.346	-4.58E-12	-0.024274	-5.50E-17	13.223
12205	0.600	-9.302	-2.346	-4.58E-12	-0.024274	-2.75E-12	11.820
.							
12301	0	0.390109	12.495	-0.001381	1.203	0.001515	-0.339854
12301	1.036	0.390109	12.495	-0.001381	1.203	8.40E-05	12.604
.							
12302	0	0.382822	12.485	0.002984	2.986	-0.003223	-0.353166
12302	1.036	0.382822	12.485	0.002984	2.986	-0.000132	12.581
.							
12303	0	0.001530	12.541	0.382717	12.628	2.30E-06	-1.203
12303	0.300	0.001530	12.541	0.382717	12.628	0.114813	2.559
.							
12304	0	0.003218	-12.542	0.386923	-12.610	2.32E-06	-2.986
12304	0.300	0.003218	-12.542	0.386923	-12.610	0.116074	-6.748
.							
12305	0	-15.534	-2.831	4.62E-12	0.021223	5.55E-17	11.610
12305	0.600	-15.534	-2.831	4.62E-12	0.021223	2.77E-12	9.912
.							
12401	0	0.382883	12.488	-0.003160	-2.986	0.003315	-0.354886
12401	1.036	0.382883	12.488	-0.003160	-2.986	4.08E-05	12.583
.							
12402	0	0.390081	12.498	0.001565	-1.203	-0.001616	-0.341573
12402	1.036	0.390081	12.498	0.001565	-1.203	5.52E-06	12.606
.							
12403	0	0.003218	12.542	0.376547	12.610	2.26E-06	2.986
12403	0.300	0.003218	12.542	0.376547	12.610	0.112961	6.748
.							
12404	0	0.001530	-12.541	0.371104	-12.628	2.23E-06	1.203
12404	0.300	0.001530	-12.541	0.371104	-12.628	0.111329	-2.559
.							
12405	0	-15.534	2.557	1.21E-14	-0.021223	1.45E-19	9.994
12405	0.600	-15.534	2.557	1.21E-14	-0.021223	7.25E-15	11.528
.							
12501	0	0.405235	12.400	-0.004734	-5.404	0.005049	-0.354866
12501	1.036	0.405235	12.400	-0.004734	-5.404	0.000145	12.491
.							
12502	0	0.323030	12.428	-0.008924	-3.265	0.009116	-0.390528
12502	1.036	0.323030	12.428	-0.008924	-3.265	-0.000129	12.485
.							
12503	0	0.004998	12.444	0.423561	12.514	2.54E-06	5.404
12503	0.300	0.004998	12.444	0.423561	12.514	0.127065	9.137
.							
12504	0	-0.008628	-12.444	0.324090	-12.493	1.94E-06	3.265
12504	0.300	-0.008628	-12.444	0.324090	-12.493	0.097225	-0.468446
.							
12505	0	-9.302	3.408	2.80E-14	0.024273	3.00E-19	11.501
12505	0.600	-9.302	3.408	2.80E-14	0.024273	1.50E-14	13.546
.							
13201	0	-4.02E-05	12.520	-3.37E-06	8.119	3.55E-06	-0.551043
13201	1.059	-4.02E-05	12.520	-3.37E-06	8.119	-1.50E-08	12.707
.							
13202	0	-1.50E-05	12.356	-6.29E-06	9.945	6.68E-06	-0.452561
13202	1.059	-1.50E-05	12.356	-6.29E-06	9.945	1.61E-08	12.632
.							
13203	0	3.34E-06	12.451	-4.32E-05	12.671	-2.41E-10	-8.119
13203	0.300	3.34E-06	12.451	-4.32E-05	12.671	-1.21E-05	-4.384
.							
13204	0	-6.32E-06	-12.451	-1.49E-05	-12.683	-8.96E-11	-9.945
13204	0.300	-6.32E-06	-12.451	-1.49E-05	-12.683	-4.48E-06	-13.680
.							
13205	0	-0.142932	-5.745	3.88E-18	-0.013789	4.77E-23	12.867
13205	0.600	-0.142932	-5.745	3.88E-18	-0.013789	2.39E-18	9.420
.							
13301	0	-2.06E-05	12.499	-8.75E-07	3.631	9.33E-07	-0.466152
13301	1.059	-2.06E-05	12.499	-8.75E-07	3.631	6.42E-09	12.769
.							
13302	0	-1.37E-05	12.598	-4.81E-06	5.069	5.08E-06	-0.544226
13302	1.059	-1.37E-05	12.598	-4.81E-06	5.069	-2.18E-08	12.796
.							
13303	0	8.89E-07	12.548	-2.06E-05	12.796	-1.23E-10	-3.631
13303	0.300	8.89E-07	12.548	-2.06E-05	12.796	-6.17E-06	0.133608
.							
13304	0	-4.77E-06	-12.549	-1.37E-05	-12.771	-8.23E-11	-5.069
13304	0.300	-4.77E-06	-12.549	-1.37E-05	-12.771	-4.11E-06	-8.834
.							
13305	0	-0.218557	-4.719	-7.20E-18	0.029992	-8.64E-23	10.607
13305	0.600	-0.218557	-4.719	-7.20E-18	0.029992	-4.32E-18	7.776
.							
13401	0	-1.37E-05	12.344	4.76E-06	-5.070	-5.04E-06	-0.409825
13401	1.059	-1.37E-05	12.344	4.76E-06	-5.070	-8.63E-09	12.662
.							
13402	0	-2.06E-05	12.501	9.04E-07	-3.631	-9.48E-07	-0.467273
13402	1.059	-2.06E-05	12.501	9.04E-07	-3.631	8.55E-09	12.770
.							
13403	0	-4.77E-06	12.549	-1.37E-05	12.771	-8.23E-11	5.070
13403	0.300	-4.77E-06	12.549	-1.37E-05	12.771	-4.12E-06	8.834
.							
13404	0	8.89E-07	-12.548	-2.06E-05	-12.796	-1.23E-10	3.631
13404	0.300	8.89E-07	-12.548	-2.06E-05	-12.796	-6.17E-06	-0.133278
.							
13405	0	-0.218557	4.454	-6.53E-18	-0.029992	-7.84E-23	7.855
13405	0.600	-0.218557	4.454	-6.53E-18	-0.029992	-3.92E-18	10.527
.							
13501	0	-1.50E-05	12.619	6.35E-06	-9.945	-6.71E-06	-0.591634
13501	1.059	-1.50E-05	12.619	6.35E-06	-9.945	1.48E-08	12.771
.							
13502	0	-4.02E-05	12.527	3.37E-06	-8.119	-3.55E-06	-0.554594

13502	1.059	-4.02E-05	12.527	3.37E-06	-8.119	1.54E-08	12.711
.							
13503	0	-6.32E-06	12.451	-1.49E-05	12.683	-8.97E-11	9.945
13503	0.300	-6.32E-06	12.451	-1.49E-05	12.683	-4.48E-06	13.680
.							
13504	0	3.34E-06	-12.451	-4.02E-05	-12.671	-2.41E-10	8.119
13504	0.300	3.34E-06	-12.451	-4.02E-05	-12.671	-1.21E-05	4.384
.							
13505	0	-0.142932	5.411	4.84E-18	0.013789	5.81E-23	9.520
13505	0.600	-0.142932	5.411	4.84E-18	0.013789	2.90E-18	12.767
.							
14201	0	-0.322883	12.436	-0.008449	3.326	0.008881	-0.395244
14201	1.036	-0.322883	12.436	-0.008449	3.326	0.000129	12.488
.							
14202	0	-0.405364	12.407	-0.005003	5.348	0.005194	-0.359582
14202	1.036	-0.405364	12.407	-0.005003	5.348	1.17E-05	12.494
.							
14203	0	0.008627	12.442	-0.310256	12.491	-1.86E-06	-3.326
14203	0.300	0.008627	12.442	-0.310256	12.491	-0.093075	0.406885
.							
14204	0	-0.004999	-12.443	-0.393409	-12.512	-2.36E-06	-5.349
14204	0.300	-0.004999	-12.443	-0.393409	-12.512	-0.118020	-9.081
.							
14205	0	8.999	-2.568	4.58E-12	-0.024274	5.50E-17	12.713
14205	0.600	8.999	-2.568	4.58E-12	-0.024274	2.75E-12	11.172
.							
14301	0	-0.389918	12.767	0.001479	1.271	-0.001566	-0.481974
14301	1.036	-0.389918	12.767	0.001479	1.271	-3.29E-05	12.744
.							
14302	0	-0.382631	12.484	-0.003131	2.923	0.003300	-0.353680
14302	1.036	-0.382631	12.484	-0.003131	2.923	5.58E-05	12.580
.							
14303	0	-0.001527	12.540	-0.398694	12.627	-2.39E-06	-1.271
14303	0.300	-0.001527	12.540	-0.398694	12.627	-0.119606	2.491
.							
14304	0	-0.003223	-12.540	-0.392936	-12.609	-2.36E-06	-2.923
14304	0.300	-0.003223	-12.540	-0.392936	-12.609	-0.117878	-6.685
.							
14305	0	15.159	-1.749	-4.62E-12	0.021223	-5.55E-17	10.635
14305	0.600	15.159	-1.749	-4.62E-12	0.021223	-2.77E-12	9.586
.							
14401	0	-0.382502	12.487	0.003342	-2.923	-0.003415	-0.355017
14401	1.036	-0.382502	12.487	0.003342	-2.923	4.76E-05	12.581
.							
14402	0	-0.389890	12.497	-0.001664	-1.271	0.001667	-0.341704
14402	1.036	-0.389890	12.497	-0.001664	-1.271	-5.66E-05	12.604
.							
14403	0	-0.003223	12.540	-0.382611	12.609	-2.30E-06	2.923
14403	0.300	-0.003223	12.540	-0.382611	12.609	-0.114781	6.685
.							
14404	0	-0.001527	-12.540	-0.387029	-12.627	-2.32E-06	1.271
14404	0.300	-0.001527	-12.540	-0.387029	-12.627	-0.116106	-2.491
.							
14405	0	15.159	1.475	-1.21E-14	-0.021223	-1.45E-19	9.668
14405	0.600	15.159	1.475	-1.21E-14	-0.021223	-7.25E-15	10.553
.							
14501	0	-0.405236	12.415	0.005041	-5.349	-0.005214	-0.363593
14501	1.036	-0.405236	12.415	0.005041	-5.349	8.16E-06	12.498
.							

14502	0	-0.322839	12.444	0.008376	-3.326	-0.008832	-0.399255
14502	1.036	-0.322839	12.444	0.008376	-3.326	-0.000155	12.492
.							
14503	0	-0.004999	12.443	-0.401743	12.512	-2.41E-06	5.349
14503	0.300	-0.004999	12.443	-0.401743	12.512	-0.120520	9.081
.							
14504	0	0.008627	-12.442	-0.323918	-12.491	-1.94E-06	3.326
14504	0.300	0.008627	-12.442	-0.323918	-12.491	-0.097173	-0.406709
.							
14505	0	8.999	2.222	-2.50E-14	0.024273	-3.00E-19	11.275
14505	0.600	8.999	2.222	-2.50E-14	0.024273	-1.50E-14	12.609
.							
15201	0	0.004378	12.340	-0.017221	0.160578	0.014617	-0.543503
15201	0.825	0.004378	12.340	-0.017221	0.160578	0.000410	9.637
.							
15202	0	-0.048457	12.555	-0.001963	1.488	0.001778	-0.616643
15202	0.825	-0.048457	12.555	-0.001963	1.488	0.000159	9.741
.							
15203	0	0.017324	12.424	-0.020931	9.670	-1.26E-07	-0.160503
15203	0.300	0.017324	12.424	-0.020931	9.670	-0.006279	3.566
.							
15204	0	-0.002387	-12.424	-0.067027	-9.685	-4.02E-07	-1.488
15204	0.300	-0.002387	-12.424	-0.067027	-9.685	-0.020108	-5.215
.							
15205	0	8.680	-0.790348	1.07E-11	-0.016013	1.29E-16	7.502
15205	0.600	8.680	-0.790348	1.07E-11	-0.016013	6.43E-12	7.027
.							
15301	0	-0.049616	12.727	-0.001616	-0.185286	0.001440	-0.658159
15301	0.825	-0.049616	12.727	-0.001616	-0.185286	0.000106	9.841
.							
15302	0	-0.039238	12.575	0.000499	0.960383	-0.000298	-0.613805
15302	0.825	-0.039238	12.575	0.000499	0.960383	0.000114	9.760
.							
15303	0	0.001821	12.521	-0.056047	9.755	-3.36E-07	0.185363
15303	0.300	0.001821	12.521	-0.056047	9.755	-0.016814	3.941
.							
15304	0	0.000177	-12.521	-0.119871	-9.736	-7.19E-07	-0.960477
15304	0.300	0.000177	-12.521	-0.119871	-9.736	-0.035960	-4.717
.							
15305	0	19.071	-0.821831	-1.08E-11	0.019063	-1.30E-16	6.786
15305	0.600	19.071	-0.821831	-1.08E-11	0.019063	-6.49E-12	6.293
.							
15401	0	-0.039452	12.580	-0.000340	-0.960419	0.000232	-0.616203
15401	0.825	-0.039452	12.580	-0.000340	-0.960419	-4.84E-05	9.762
.							
15402	0	-0.049417	12.733	0.001933	0.185258	-0.001570	-0.660558
15402	0.825	-0.049417	12.733	0.001933	0.185258	2.46E-05	9.843
.							
15403	0	0.000177	12.521	-0.063299	9.737	-3.80E-07	0.960477
15403	0.300	0.000177	12.521	-0.063299	9.737	-0.018989	4.717
.							
15404	0	0.001821	-12.521	-0.024660	-9.755	-1.48E-07	-0.185322
15404	0.300	0.001821	-12.521	-0.024660	-9.755	-0.007398	-3.941
.							
15405	0	19.071	0.543017	-1.11E-14	-0.019063	-1.34E-19	6.377
15405	0.600	19.071	0.543017	-1.11E-14	-0.019063	-6.69E-15	6.702
.							
15501	0	-0.048636	12.031	0.002341	-1.488	-0.001934	-0.400536
15501	0.825	-0.048636	12.031	0.002341	-1.488	-2.86E-06	9.525

.							
15502	0	0.003838	12.357	0.015807	-0.160603	-0.014094	-0.550699
15502	0.825	0.003838	12.357	0.015807	-0.160603	-0.001053	9.644
.							
15503	0	-0.002387	12.424	-0.051623	9.685	-3.10E-07	1.488
15503	0.300	-0.002387	12.424	-0.051623	9.685	-0.015487	5.215
.							
15504	0	0.017324	-12.424	0.007644	-9.670	4.59E-08	0.160491
15504	0.300	0.017324	-12.424	0.007644	-9.670	0.002293	-3.566
.							
15505	0	8.680	0.438181	-2.34E-14	0.016013	-2.81E-19	7.133
15505	0.600	8.680	0.438181	-2.34E-14	0.016013	-1.40E-14	7.396
.							
21101	0	0.535496	4.460	-0.053016	0.065065	0.066433	-5.751
21101	2.300	0.535496	4.460	-0.053016	0.065065	-0.055500	4.507
.							
21111	0	-5.000	5.125	-0.010227	0.065543	0.014880	-6.289
21111	2.300	-5.000	5.125	-0.010227	0.065543	-0.008642	5.499
.							
21121	0	-7.271	4.071	-0.002080	0.066614	0.005592	-4.764
21121	2.300	-7.271	4.071	-0.002080	0.066614	0.000807	4.598
.							
21131	0	-7.617	2.870	0.000791	0.068378	0.004631	-3.287
21131	2.300	-7.617	2.870	0.000791	0.068378	0.006450	3.314
.							
21141	0	-7.526	1.679	0.004176	0.070863	0.005453	-1.915
21141	2.300	-7.526	1.679	0.004176	0.070863	0.015057	1.947
.							
21151	0	-7.463	0.471704	0.009655	0.074038	0.006750	-0.541284
21151	2.300	-7.463	0.471704	0.009655	0.074038	0.028955	0.543593
.							
21161	0	-7.457	-0.767394	0.017848	0.077781	0.008592	0.873199
21161	2.300	-7.457	-0.767394	0.017848	0.077781	0.049641	-0.891736
.							
21171	0	-7.354	-2.044	0.028339	0.081803	0.012745	2.362
21171	2.300	-7.354	-2.044	0.028339	0.081803	0.077923	-2.339
.							
21181	0	-6.566	-3.286	0.036707	0.085587	0.027226	3.909
21181	2.300	-6.566	-3.286	0.036707	0.085587	0.111649	-3.648
.							
21191	0	-3.992	-3.838	0.019485	0.088338	0.087254	4.757
21191	2.300	-3.992	-3.838	0.019485	0.088338	0.132068	-4.069
.							
21201	0	-1.045	5.360	-0.042159	0.064418	0.047176	-6.403
21201	2.300	-1.045	5.360	-0.042159	0.064418	-0.049786	5.924
.							
21211	0	-2.901	6.522	-0.005950	0.064175	0.008748	-7.681
21211	2.300	-2.901	6.522	-0.005950	0.064175	-0.006939	7.320
.							
21221	0	-4.038	5.994	-0.001240	0.063427	0.003117	-6.996
21221	2.300	-4.038	5.994	-0.001240	0.063427	0.000266	6.790
.							
21231	0	-4.522	4.633	-0.002177	0.062141	0.007071	-5.371
21231	2.300	-4.522	4.633	-0.002177	0.062141	0.002064	5.284
.							
21241	0	-4.633	2.955	-0.005473	0.060306	0.015559	-3.412
21241	2.300	-4.633	2.955	-0.005473	0.060306	0.002973	3.384
.							
21251	0	-4.613	1.203	-0.011207	0.057947	0.029326	-1.384
21251	2.300	-4.613	1.203	-0.011207	0.057947	0.003552	1.382
.							
21261	0	-4.510	-0.497173	-0.019905	0.055152	0.049375	0.583368
21261	2.300	-4.510	-0.497173	-0.019905	0.055152	0.003595	-0.555085
.							
21271	0	-4.187	-1.996	-0.032135	0.052120	0.076145	2.352
21271	2.300	-4.187	-1.996	-0.032135	0.052120	0.002237	-2.239
.							
21281	0	-3.411	-2.989	-0.049387	0.049205	0.109713	3.548
21281	2.300	-3.411	-2.989	-0.049387	0.049205	-0.003873	-3.327
.							
21291	0	-2.279	-2.890	-0.082442	0.046966	0.157679	3.427
21291	2.300	-2.279	-2.890	-0.082442	0.046966	-0.031929	-3.220
.							
21301	0	-3.061	5.259	-0.042149	0.064402	0.049778	-5.869
21301	2.300	-3.061	5.259	-0.042149	0.064402	-0.047161	6.227
.							
21311	0	-1.836	6.415	-0.005944	0.064160	0.006957	-7.263
21311	2.300	-1.836	6.415	-0.005944	0.064160	-0.006714	7.492
.							
21321	0	-1.243	5.935	-0.001233	0.063414	-0.000227	-6.771
21321	2.300	-1.243	5.935	-0.001233	0.063414	-0.003064	6.880
.							
21331	0	-1.094	4.626	-0.002173	0.062131	-0.002008	-5.302
21331	2.300	-1.094	4.626	-0.002173	0.062131	-0.007006	5.338
.							
21341	0	-1.123	2.978	-0.005472	0.060301	-0.002903	-3.419
21341	2.300	-1.123	2.978	-0.005472	0.060301	-0.015487	3.430
.							
21351	0	-1.157	1.240	-0.011206	0.057947	-0.003478	-1.423
21351	2.300	-1.157	1.240	-0.011206	0.057947	-0.029251	1.430
.							
21361	0	-1.177	-0.444707	-0.019902	0.055157	-0.003526	0.508357
21361	2.300	-1.177	-0.444707	-0.019902	0.055157	-0.049300	-0.514428
.							
21371	0	-1.303	-1.918	-0.032129	0.052129	-0.002180	2.176
21371	2.300	-1.303	-1.918	-0.032129	0.052129	-0.076074	-2.234
.							
21381	0	-1.755	-2.882	-0.049379	0.049218	0.003912	3.242
21381	2.300	-1.755	-2.882	-0.049379	0.049218	-0.109655	-3.386
.							
21391	0	-2.500	-2.791	-0.082433	0.046981	0.031948	3.140
21391	2.300	-2.500	-2.791	-0.082433	0.046981	-0.157640	-3.279
.							
21401	0	-4.026	4.043	-0.052976	0.065025	0.055461	-4.236
21401	2.300	-4.026	4.043	-0.052976	0.065025	-0.066379	5.062
.							
21411	0	-0.042954	4.888	-0.010242	0.065501	0.008676	-5.333
21411	2.300	-0.042954	4.888	-0.010242	0.065501	-0.014881	5.908
.							
21421	0	1.649	4.043	-0.002116	0.066586	-0.000740	-4.595
21421	2.300	1.649	4.043	-0.002116	0.066586	-0.005607	4.704
.							
21431	0	1.884	2.936	0.000749	0.068361	-0.006370	-3.395
21431	2.300	1.884	2.936	0.000749	0.068361	-0.004646	3.357
.							
21441	0	1.784	1.766	0.004132	0.070853	-0.014970	-2.049
21441	2.300	1.784	1.766	0.004132	0.070853	-0.005467	2.014
.							

21451	0	1.727	0.555721	0.009609	0.074037	-0.028865	-0.640511
21451	2.300	1.727	0.555721	0.009609	0.074037	-0.006764	0.637597
.							
21461	0	1.735	-0.676440	0.017803	0.077788	-0.049551	0.783697
21461	2.300	1.735	-0.676440	0.017803	0.077788	-0.008606	-0.767054
.							
21471	0	1.687	-1.905	0.028296	0.081820	-0.077837	2.189
21471	2.300	1.687	-1.905	0.028296	0.081820	-0.012759	-2.192
.							
21481	0	1.125	-3.035	0.036672	0.085615	-0.111576	3.400
21481	2.300	1.125	-3.035	0.036672	0.085615	-0.027233	-3.580
.							
21491	0	-0.790358	-3.466	0.019479	0.088374	-0.132030	3.735
21491	2.300	-0.790358	-3.466	0.019479	0.088374	-0.087230	-4.235
.							
21501	0	-1.240	-0.439986	-0.145242	0.089130	0.356225	0.417592
21501	2.300	-1.240	-0.439986	-0.145242	0.089130	0.022181	-0.594334
.							
21601	0	-2.047	-0.656368	-0.212123	0.046137	0.301907	0.626674
21601	2.300	-2.047	-0.656368	-0.212123	0.046137	-0.185956	-0.882912
.							
21701	0	-2.503	-0.638774	-0.212107	0.046153	0.185947	0.866696
21701	2.300	-2.503	-0.638774	-0.212107	0.046153	-0.301879	-0.602425
.							
21801	0	-2.769	-0.401089	-0.145212	0.089130	-0.022174	0.555673
21801	2.300	-2.769	-0.401089	-0.145212	0.089130	-0.356148	-0.366794
.							
22101	0	-1.715	0.097543	-0.160974	-0.028648	0.396142	-0.186545
22101	2.300	-1.715	0.097543	-0.160974	-0.028648	0.025916	0.037795
.							
22111	0	-5.468	6.030	0.026185	-0.026953	0.087458	-7.310
22111	2.300	-5.468	6.030	0.026185	-0.026953	0.147681	6.558
.							
22121	0	-7.739	5.681	0.038306	-0.022001	0.028092	-6.595
22121	2.300	-7.739	5.681	0.038306	-0.022001	0.116192	6.471
.							
22131	0	-8.138	4.307	0.026490	-0.015133	0.016331	-4.916
22131	2.300	-8.138	4.307	0.026490	-0.015133	0.077256	4.988
.							
22141	0	-8.113	2.796	0.016463	-0.007352	0.014081	-3.186
22141	2.300	-8.113	2.796	0.016463	-0.007352	0.051945	3.245
.							
22151	0	-8.097	1.271	0.012870	0.000764	0.013744	-1.453
22151	2.300	-8.097	1.271	0.012870	0.000764	0.043343	1.471
.							
22161	0	-8.116	-0.262129	0.016413	0.008870	0.014077	0.293068
22161	2.300	-8.116	-0.262129	0.016413	0.008870	0.051826	-0.309805
.							
22171	0	-8.081	-1.829	0.026354	0.016626	0.016374	2.100
22171	2.300	-8.081	-1.829	0.026354	0.016626	0.076986	-2.106
.							
22181	0	-7.480	-3.414	0.037968	0.023455	0.028380	4.039
22181	2.300	-7.480	-3.414	0.037968	0.023455	0.115703	-3.814
.							
22191	0	-4.896	-4.363	0.025330	0.028360	0.088699	5.429
22191	2.300	-4.896	-4.363	0.025330	0.028360	0.146955	-4.604
.							
22201	0	-2.916	0.182967	-0.253532	0.022399	0.356222	-0.406479
22201	2.300	-2.916	0.182967	-0.253532	0.022399	-0.226878	0.014328
.							
22211	0	-3.814	6.515	-0.089831	0.021132	0.173517	-7.570
22211	2.300	-3.814	6.515	-0.089831	0.021132	-0.033086	7.415
.							
22221	0	-4.341	7.180	-0.050476	0.017457	0.114674	-8.337
22221	2.300	-4.341	7.180	-0.050476	0.017457	-0.001416	8.177
.							
22231	0	-4.724	5.914	-0.030995	0.012425	0.076596	-6.856
22231	2.300	-4.724	5.914	-0.030995	0.012425	0.005310	6.745
.							
22241	0	-4.900	4.025	-0.019843	0.006744	0.052774	-4.658
22241	2.300	-4.900	4.025	-0.019843	0.006744	0.007138	4.600
.							
22251	0	-4.951	1.959	-0.016109	0.000819	0.044596	-2.263
22251	2.300	-4.951	1.959	-0.016109	0.000819	0.007546	2.242
.							
22261	0	-4.912	-0.118936	-0.019782	-0.005102	0.052632	0.147815
22261	2.300	-4.912	-0.118936	-0.019782	-0.005102	0.007134	-0.125728
.							
22271	0	-4.673	-2.051	-0.030832	-0.010775	0.076247	2.414
22271	2.300	-4.673	-2.051	-0.030832	-0.010775	0.005336	-2.303
.							
22281	0	-3.989	-3.472	-0.050008	-0.015795	0.113875	4.113
22281	2.300	-3.989	-3.472	-0.050008	-0.015795	-0.001139	-3.872
.							
22291	0	-2.862	-3.506	-0.087945	-0.019460	0.171103	4.160
22291	2.300	-2.862	-3.506	-0.087945	-0.019460	-0.031163	-3.904
.							
22301	0	-2.153	0.186760	-0.253520	0.022382	0.226876	-0.020830
22301	2.300	-2.153	0.186760	-0.253520	0.022382	-0.356198	0.408700
.							
22311	0	-1.501	6.417	-0.089829	0.021115	0.033118	-7.343
22311	2.300	-1.501	6.417	-0.089829	0.021115	-0.173481	7.415
.							
22321	0	-1.383	7.082	-0.050474	0.017442	0.001472	-9.108
22321	2.300	-1.383	7.082	-0.050474	0.017442	-0.114612	8.180
.							
22331	0	-1.316	5.859	-0.030995	0.012415	-0.005231	-6.711
22331	2.300	-1.316	5.859	-0.030995	0.012415	-0.076517	6.765
.							
22341	0	-1.306	4.006	-0.019845	0.006738	-0.007044	-4.589
22341	2.300	-1.306	4.006	-0.019845	0.006738	-0.052686	4.624
.							
22351	0	-1.300	1.961	-0.016112	0.000819	-0.007447	-2.243
22351	2.300	-1.300	1.961	-0.016112	0.000819	-0.044503	2.266
.							
22361	0	-1.281	-0.094408	-0.019783	-0.005097	-0.007041	0.111307
22361	2.300	-1.281	-0.094408	-0.019783	-0.005097	-0.052539	-0.105824
.							
22371	0	-1.332	-1.986	-0.030829	-0.010765	-0.005257	2.260
22371	2.300	-1.332	-1.986	-0.030829	-0.010765	-0.076160	-2.307
.							
22381	0	-1.658	-3.356	-0.050001	-0.015780	0.001195	3.788
22381	2.300	-1.658	-3.356	-0.050001	-0.015780	-0.113802	-3.929
.							
22391	0	-2.325	-3.385	-0.087939	-0.019443	0.031194	3.810
22391	2.300	-2.325	-3.385	-0.087939	-0.019443	-0.171057	-3.974
.							
22401	0	-2.750	0.097934	-0.160935	-0.028641	-0.025914	-0.043575

22401	2.300	-2.750	0.097934	-0.160935	-0.028641	-0.396050	0.181665
.							
22411	0	0.105403	5.638	0.026184	-0.026987	-0.147648	-6.220
22411	2.300	0.105403	5.638	0.026184	-0.026987	-0.087428	6.747
.							
22421	0	1.718	5.467	0.038272	-0.022030	-0.116119	-6.265
22421	2.300	1.718	5.467	0.038272	-0.022030	-0.028096	6.309
.							
22431	0	1.929	4.227	0.026445	-0.016152	-0.077164	-4.906
22431	2.300	1.929	4.227	0.026445	-0.016152	-0.016343	4.817
.							
22441	0	1.865	2.775	0.016413	-0.007362	-0.051842	-3.223
22441	2.300	1.865	2.775	0.016413	-0.007362	-0.014094	3.160
.							
22451	0	1.843	1.273	0.012816	0.000763	-0.043234	-1.472
22451	2.300	1.843	1.273	0.012816	0.000763	-0.013758	1.455
.							
22461	0	1.875	-0.235678	0.016359	0.003879	-0.051716	0.281610
22461	2.300	1.875	-0.235678	0.016359	0.003879	-0.014092	-0.260427
.							
22471	0	1.884	-1.734	0.026301	0.016645	-0.076880	2.006
22471	2.300	1.884	-1.734	0.026301	0.016645	-0.016389	-1.981
.							
22481	0	1.495	-3.163	0.037924	0.023487	-0.115612	3.569
22481	2.300	1.495	-3.163	0.037924	0.023487	-0.028391	-3.706
.							
22491	0	-0.357732	-3.907	0.025317	0.023404	-0.146906	4.204
22491	2.300	-0.357732	-3.907	0.025317	0.023404	-0.088679	-4.783
.							
22501	0	-1.396	-0.066400	-0.162663	0.030026	0.400356	0.013206
22501	2.300	-1.396	-0.066400	-0.162663	0.030026	0.026245	-0.139507
.							
22601	0	-2.325	-0.143905	-0.243379	-0.020739	0.345340	0.085097
22601	2.300	-2.325	-0.143905	-0.243379	-0.020739	-0.214410	-0.245872
.							
22701	0	-2.578	-0.131654	-0.243370	-0.020721	0.214410	0.234012
22701	2.300	-2.578	-0.131654	-0.243370	-0.020721	-0.345319	-0.068781
.							
22801	0	-2.887	-0.043066	-0.162620	0.030040	-0.026250	0.114843
22801	2.300	-2.887	-0.043066	-0.162620	0.030040	-0.400262	0.015796
.							
23101	0	-1.820	1.101	-0.189868	-0.035192	0.468418	-1.317
23101	2.300	-1.820	1.101	-0.189868	-0.035192	0.031739	1.216
.							
23111	0	-6.958	7.911	0.035931	-0.032885	0.084692	-9.535
23111	2.300	-6.958	7.911	0.035931	-0.032885	0.167330	8.659
.							
23121	0	-9.306	6.298	0.038488	-0.026307	0.024932	-7.250
23121	2.300	-9.306	6.298	0.038488	-0.026307	0.113452	7.235
.							
23131	0	-9.609	4.132	0.019546	-0.017843	0.014951	-4.694
23131	2.300	-9.609	4.132	0.019546	-0.017843	0.059906	4.810
.							
23141	0	-9.616	2.044	0.006050	-0.008914	0.013061	-2.321
23141	2.300	-9.616	2.044	0.006050	-0.008914	0.026977	2.380
.							
23151	0	-9.620	-5.09E-06	0.001456	-2.87E-08	0.012711	5.80E-06
23151	2.300	-9.620	-5.09E-06	0.001456	-2.87E-08	0.016059	-5.92E-06
.							

23161	0	-9.620	-2.044	0.006050	0.008914	0.013062	2.321
23161	2.300	-9.620	-2.044	0.006050	0.008914	0.026976	-2.380
.							
23171	0	-9.609	-4.132	0.019546	0.017843	0.014951	4.694
23171	2.300	-9.609	-4.132	0.019546	0.017843	0.059906	-4.810
.							
23181	0	-9.306	-6.298	0.038489	0.026307	0.024932	7.250
23181	2.300	-9.306	-6.298	0.038489	0.026307	0.113452	-7.235
.							
23191	0	-6.954	-7.911	0.035931	0.032885	0.084692	9.535
23191	2.300	-6.954	-7.911	0.035931	0.032885	0.167330	-8.659
.							
23201	0	-3.086	1.622	-0.294802	0.026425	0.415769	-2.028
23201	2.300	-3.086	1.622	-0.294802	0.026425	-0.262250	1.702
.							
23211	0	-4.205	8.908	-0.094583	0.024648	0.187913	-10.426
23211	2.300	-4.205	8.908	-0.094583	0.024648	-0.029619	10.062
.							
23221	0	-5.194	8.467	-0.048104	0.019692	0.111484	-9.903
23221	2.300	-5.194	8.467	-0.048104	0.019692	0.000851	9.570
.							
23231	0	-5.714	6.008	-0.023301	0.013376	0.059750	-6.998
23231	2.300	-5.714	6.008	-0.023301	0.013376	0.006159	6.820
.							
23241	0	-5.883	3.056	-0.009024	0.006696	0.028008	-3.550
23241	2.300	-5.883	3.056	-0.009024	0.006696	0.007253	3.479
.							
23251	0	-5.913	-7.41E-06	-0.004317	-1.94E-09	0.017355	8.61E-06
23251	2.300	-5.913	-7.41E-06	-0.004317	-1.94E-09	0.007427	-8.43E-06
.							
23261	0	-5.879	-3.056	-0.009024	-0.006696	0.028008	3.550
23261	2.300	-5.879	-3.056	-0.009024	-0.006696	0.007253	-3.479
.							
23271	0	-5.714	-6.008	-0.023301	-0.013376	0.059750	6.998
23271	2.300	-5.714	-6.008	-0.023301	-0.013376	0.006159	-6.820
.							
23281	0	-5.194	-8.467	-0.048104	-0.019692	0.111484	9.903
23281	2.300	-5.194	-8.467	-0.048104	-0.019692	0.000851	-9.570
.							
23291	0	-4.205	-8.908	-0.094583	-0.024648	0.187913	10.426
23291	2.300	-4.205	-8.908	-0.094583	-0.024648	-0.029619	-10.062
.							
23301	0	-2.674	1.609	-0.294779	0.026400	0.262237	-1.697
23301	2.300	-2.674	1.609	-0.294779	0.026400	-0.415729	2.003
.							
23311	0	-2.015	8.747	-0.094570	0.024624	0.029660	-9.949
23311	2.300	-2.015	8.747	-0.094570	0.024624	-0.187913	10.160
.							
23321	0	-1.633	8.346	-0.048098	0.019672	-0.000764	-9.499
23321	2.300	-1.633	8.346	-0.048098	0.019672	-0.111384	9.697
.							
23331	0	-1.494	5.964	-0.023307	0.013362	-0.006033	-6.805
23331	2.300	-1.494	5.964	-0.023307	0.013362	-0.059636	6.912
.							
23341	0	-1.494	3.049	-0.009038	0.006689	-0.007102	-3.484
23341	2.300	-1.494	3.049	-0.009038	0.006689	-0.027888	3.528
.							
23351	0	-1.509	-7.40E-06	-0.004334	-1.95E-09	-0.007266	8.42E-06
23351	2.300	-1.509	-7.40E-06	-0.004334	-1.95E-09	-0.017233	-8.60E-06

.							
23361	0	-1.498	-3.049	-0.009038	-0.006689	-0.007102	3.484
23361	2.300	-1.498	-3.049	-0.009038	-0.006689	-0.027888	-3.528
.							
23371	0	-1.494	-5.964	-0.023306	-0.013362	-0.006034	6.805
23371	2.300	-1.494	-5.964	-0.023306	-0.013362	-0.059636	-6.912
.							
23381	0	-1.633	-8.346	-0.048097	-0.019672	-0.000764	9.499
23381	2.300	-1.633	-8.346	-0.048097	-0.019672	-0.111384	-9.697
.							
23391	0	-2.018	-8.747	-0.094570	-0.024624	0.029660	9.949
23391	2.300	-2.018	-8.747	-0.094570	-0.024624	-0.187843	-10.168
.							
23401	0	-3.220	1.048	-0.189835	-0.035205	-0.031725	-1.176
23401	2.300	-3.220	1.048	-0.189835	-0.035205	-0.468327	1.234
.							
23411	0	0.516772	7.372	0.035904	-0.032928	-0.167255	-8.199
23411	2.300	0.516772	7.372	0.035904	-0.032928	-0.084679	8.756
.							
23421	0	2.127	6.090	0.038432	-0.026337	-0.113335	-7.037
23421	2.300	2.127	6.090	0.038432	-0.026337	-0.024945	6.969
.							
23431	0	2.266	4.091	0.019483	-0.017861	-0.059775	-4.772
23431	2.300	2.266	4.091	0.019483	-0.017861	-0.014965	4.637
.							
23441	0	2.236	2.047	0.005986	-0.008923	-0.026841	-2.388
23441	2.300	2.236	2.047	0.005986	-0.008923	-0.013075	2.321
.							
23451	0	2.232	-5.08E-06	0.001391	-2.87E-08	-0.015922	5.93E-06
23451	2.300	2.232	-5.08E-06	0.001391	-2.87E-08	-0.012723	-5.75E-06
.							
23461	0	2.236	-2.047	0.005985	0.008923	-0.026841	2.388
23461	2.300	2.236	-2.047	0.005985	0.008923	-0.013075	-2.321
.							
23471	0	2.266	-4.091	0.019483	0.017861	-0.059775	4.772
23471	2.300	2.266	-4.091	0.019483	0.017861	-0.014965	-4.637
.							
23481	0	2.127	-6.090	0.038431	0.026337	-0.113334	7.037
23481	2.300	2.127	-6.090	0.038431	0.026337	-0.024945	-6.969
.							
23491	0	0.520517	-7.372	0.035904	0.032928	-0.167255	8.199
23491	2.300	0.520517	-7.372	0.035904	0.032928	-0.084679	-8.756
.							
23501	0	-1.820	-1.101	-0.189869	0.035192	0.468419	1.317
23501	2.300	-1.820	-1.101	-0.189869	0.035192	0.031738	-1.216
.							
23601	0	-3.086	1.622	0.294801	-0.026426	0.415767	2.028
23601	2.300	-3.086	-1.622	-0.294801	-0.026426	-0.262249	-1.702
.							
23701	0	-2.674	-1.608	-0.294779	-0.026400	0.262237	1.697
23701	2.300	-2.674	-1.608	-0.294779	-0.026400	-0.415729	-2.002
.							
23801	0	-3.220	-1.048	-0.189835	0.035205	-0.031724	1.176
23801	2.300	-3.220	-1.048	-0.189835	0.035205	-0.468328	-1.234
.							
24101	0	-1.396	0.066426	-0.162663	-0.030026	0.400355	-0.013234
24101	2.300	-1.396	0.066426	-0.162663	-0.030026	0.026246	0.139540
.							
24111	0	-4.900	4.363	0.025330	-0.028360	0.088699	-5.429
24111	2.300	-4.900	4.363	0.025330	-0.028360	0.146956	4.604
.							
24121	0	-7.480	3.414	0.037968	-0.023455	0.028380	-4.039
24121	2.300	-7.480	3.414	0.037968	-0.023455	0.115703	3.814
.							
24131	0	-8.081	1.829	0.026354	-0.016626	0.016374	-2.100
24131	2.300	-8.081	1.829	0.026354	-0.016626	0.076986	2.106
.							
24141	0	-8.113	0.262117	0.016413	-0.008870	0.014077	-0.293055
24141	2.300	-8.113	0.262117	0.016413	-0.008870	0.051826	0.309791
.							
24151	0	-8.097	-1.272	0.012869	-0.000764	0.013744	1.453
24151	2.300	-8.097	-1.272	0.012869	-0.000764	0.043343	-1.471
.							
24161	0	-8.113	-2.796	0.016463	0.007351	0.014081	3.186
24161	2.300	-8.113	-2.796	0.016463	0.007351	0.051945	-3.245
.							
24171	0	-8.138	-4.307	0.026490	0.015133	0.016331	4.916
24171	2.300	-8.138	-4.307	0.026490	0.015133	0.077256	-4.988
.							
24181	0	-7.736	-5.681	0.038306	0.022001	0.028092	6.595
24181	2.300	-7.736	-5.681	0.038306	0.022001	0.116192	-6.471
.							
24191	0	-5.468	-6.030	0.026185	0.026953	0.087458	7.310
24191	2.300	-5.468	-6.030	0.026185	0.026953	0.147681	-6.558
.							
24201	0	-2.325	0.143949	-0.243379	0.020739	0.345340	-0.085142
24201	2.300	-2.325	0.143949	-0.243379	0.020739	-0.214410	0.245928
.							
24211	0	-2.862	3.506	-0.087945	0.019460	0.171103	-4.160
24211	2.300	-2.862	3.506	-0.087945	0.019460	-0.031163	3.904
.							
24221	0	-3.993	3.472	-0.050008	0.015795	0.113875	-4.113
24221	2.300	-3.993	3.472	-0.050008	0.015795	-0.001139	3.872
.							
24231	0	-4.673	2.051	-0.030833	0.010775	0.076248	-2.414
24231	2.300	-4.673	2.051	-0.030833	0.010775	0.005336	2.303
.							
24241	0	-4.916	0.118919	-0.019782	0.005102	0.052632	-0.147795
24241	2.300	-4.916	0.118919	-0.019782	0.005102	0.007134	0.125708
.							
24251	0	-4.954	-1.959	-0.016109	-0.000819	0.044596	2.263
24251	2.300	-4.954	-1.959	-0.016109	-0.000819	0.007546	-2.242
.							
24261	0	-4.900	-4.025	-0.019843	-0.006744	0.052774	4.658
24261	2.300	-4.900	-4.025	-0.019843	-0.006744	0.007138	-4.600
.							
24271	0	-4.724	-5.914	-0.030995	-0.012425	0.076535	6.856
24271	2.300	-4.724	-5.914	-0.030995	-0.012425	0.005310	-6.745
.							
24281	0	-4.344	-7.180	-0.050476	-0.017457	0.114674	8.337
24281	2.300	-4.344	-7.180	-0.050476	-0.017457	-0.001416	-8.177
.							
24291	0	-3.814	-6.515	-0.089831	-0.021132	0.173517	7.570
24291	2.300	-3.814	-6.515	-0.089831	-0.021132	-0.033086	-7.415
.							
24301	0	-2.578	0.131698	-0.243370	0.020721	0.214410	-0.234067
24301	2.300	-2.578	0.131698	-0.243370	0.020721	-0.345319	0.068826
.							

24311	0	-2.325	3.385	-0.087939	0.019443	0.031194	-3.810
24311	2.300	-2.325	3.385	-0.087939	0.019443	-0.171057	3.974
.							
24321	0	-1.655	3.356	-0.050001	0.015780	0.001195	-3.788
24321	2.300	-1.655	3.356	-0.050001	0.015780	-0.113802	3.929
.							
24331	0	-1.332	1.986	-0.030829	0.010765	-0.005257	-2.260
24331	2.300	-1.332	1.986	-0.030829	0.010765	-0.076160	2.307
.							
24341	0	-1.278	0.094391	-0.019783	0.005097	-0.007040	-0.111287
24341	2.300	-1.278	0.094391	-0.019783	0.005097	-0.052539	0.105804
.							
24351	0	-1.297	-1.961	-0.016112	-0.000819	-0.007446	2.243
24351	2.300	-1.297	-1.961	-0.016112	-0.000819	-0.044503	-2.266
.							
24361	0	-1.306	-4.006	-0.019845	-0.006738	-0.007044	4.589
24361	2.300	-1.306	-4.006	-0.019845	-0.006738	-0.052686	-4.624
.							
24371	0	-1.316	-5.859	-0.030995	-0.012415	-0.005231	6.711
24371	2.300	-1.316	-5.859	-0.030995	-0.012415	-0.076517	-6.765
.							
24381	0	-1.380	-7.082	-0.050474	-0.017442	0.001473	8.108
24381	2.300	-1.380	-7.082	-0.050474	-0.017442	-0.114612	-8.180
.							
24391	0	-1.501	-6.417	-0.089829	-0.021115	0.033118	7.343
24391	2.300	-1.501	-6.417	-0.089829	-0.021115	-0.173480	-7.415
.							
24401	0	-2.887	0.043092	-0.162620	-0.030041	-0.026250	-0.114876
24401	2.300	-2.887	0.043092	-0.162620	-0.030041	-0.400261	-0.015769
.							
24411	0	-0.354538	3.907	0.025317	-0.028404	-0.146906	-4.204
24411	2.300	-0.354538	3.907	0.025317	-0.028404	-0.088679	4.783
.							
24421	0	1.492	3.163	0.037924	-0.023487	-0.115612	-3.569
24421	2.300	1.492	3.163	0.037924	-0.023487	-0.028391	3.706
.							
24431	0	1.884	1.734	0.026302	-0.016645	-0.076881	-2.006
24431	2.300	1.884	1.734	0.026302	-0.016645	-0.016389	1.981
.							
24441	0	1.872	0.235666	0.016359	-0.008879	-0.051717	-0.281597
24441	2.300	1.872	0.235666	0.016359	-0.008879	-0.014092	0.260413
.							
24451	0	1.843	-1.273	0.012816	-0.000763	-0.043234	1.472
24451	2.300	1.843	-1.273	0.012816	-0.000763	-0.013758	-1.455
.							
24461	0	1.869	-2.775	0.016413	0.007362	-0.051842	3.223
24461	2.300	1.869	-2.775	0.016413	0.007362	-0.014094	-3.160
.							
24471	0	1.929	-4.227	0.026445	0.015152	-0.077163	4.906
24471	2.300	1.929	-4.227	0.026445	0.015152	-0.016343	-4.817
.							
24481	0	1.718	-5.467	0.038272	0.022030	-0.116119	6.265
24481	2.300	1.718	-5.467	0.038272	0.022030	-0.028096	-6.309
.							
24491	0	0.105403	-5.638	0.026183	0.026987	-0.147648	6.220
24491	2.300	0.105403	-5.638	0.026183	0.026987	-0.087428	-6.747
.							
24501	0	-1.715	-0.097516	-0.160975	0.028648	0.396142	0.186517
24501	2.300	-1.715	-0.097516	-0.160975	0.028648	0.025915	-0.037760

.							
24601	0	-2.916	-0.182926	-0.253532	-0.022399	0.356222	0.406438
24601	2.300	-2.916	-0.182926	-0.253532	-0.022399	-0.226878	-0.014276
.							
24701	0	-2.153	-0.186717	-0.253520	-0.022382	0.226876	0.020776
24701	2.300	-2.153	-0.186717	-0.253520	-0.022382	-0.356198	-0.408657
.							
24801	0	-2.753	-0.097914	-0.160936	0.028641	-0.025913	0.043549
24801	2.300	-2.753	-0.097914	-0.160936	0.028641	-0.396050	-0.181645
.							
25101	0	-1.240	0.440008	-0.145242	-0.089130	0.356225	-0.417615
25101	2.300	-1.240	0.440008	-0.145242	-0.089130	0.022181	0.594362
.							
25111	0	-3.992	3.838	0.019485	-0.088339	0.087254	-4.757
25111	2.300	-3.992	3.838	0.019485	-0.088339	0.132068	4.069
.							
25121	0	-6.566	3.286	0.036707	-0.085587	0.027226	-3.909
25121	2.300	-6.566	3.286	0.036707	-0.085587	0.111648	3.648
.							
25131	0	-7.354	2.044	0.028339	-0.081803	0.012745	-2.362
25131	2.300	-7.354	2.044	0.028339	-0.081803	0.077923	2.339
.							
25141	0	-7.457	0.767375	0.017848	-0.077781	0.008592	-0.873179
25141	2.300	-7.457	0.767375	0.017848	-0.077781	0.049641	0.891715
.							
25151	0	-7.463	-0.471713	0.009655	-0.074039	0.006750	0.541293
25151	2.300	-7.463	-0.471713	0.009655	-0.074039	0.028955	-0.543602
.							
25161	0	-7.526	-1.679	0.004176	-0.070863	0.015057	-1.947
25161	2.300	-7.526	-1.679	0.004176	-0.070863	0.005453	1.915
.							
25171	0	-7.614	-2.870	0.000791	-0.068379	0.004631	3.287
25171	2.300	-7.614	-2.870	0.000791	-0.068379	0.006450	-3.314
.							
25181	0	-7.268	-4.071	-0.002080	-0.066614	0.005592	4.764
25181	2.300	-7.268	-4.071	-0.002080	-0.066614	0.000807	-4.598
.							
25191	0	-5.000	-5.125	-0.010227	-0.065543	0.014880	6.289
25191	2.300	-5.000	-5.125	-0.010227	-0.065543	-0.008642	-5.499
.							
25201	0	-2.045	0.656406	-0.212123	-0.046138	0.301907	-0.626714
25201	2.300	-2.045	0.656406	-0.212123	-0.046138	-0.185956	0.882959
.							
25211	0	-2.279	2.890	-0.082442	-0.046966	0.157679	-3.427
25211	2.300	-2.279	2.890	-0.082442	-0.046966	-0.031929	3.220
.							
25221	0	-3.109	2.989	-0.049387	-0.049205	0.100713	-2.518
25221	2.300	-3.408	2.989	-0.049387	-0.049205	-0.003873	3.327
.							
25231	0	-4.187	1.996	-0.032135	-0.052120	0.076145	-2.352
25231	2.300	-4.187	1.996	-0.032135	-0.052120	0.002237	2.239
.							
25241	0	-4.510	0.497155	-0.019905	-0.055153	0.049375	-0.588347
25241	2.300	-4.510	0.497155	-0.019905	-0.055153	0.003595	0.555064
.							
25251	0	-4.613	-1.203	-0.011207	-0.057947	0.029326	1.385
25251	2.300	-4.613	-1.203	-0.011207	-0.057947	0.003552	-1.382
.							
25261	0	-4.633	-2.955	-0.005473	-0.060306	0.015559	3.412

25261	2.300	-4.633	-2.955	-0.005473	-0.060306	0.002973	-3.384
.							
25271	0	-4.522	-4.633	-0.002177	-0.062141	0.007072	5.371
25271	2.300	-4.522	-4.633	-0.002177	-0.062141	0.002064	-5.284
.							
25281	0	-4.041	-5.994	-0.001240	-0.063427	0.003118	6.996
25281	2.300	-4.041	-5.994	-0.001240	-0.063427	0.000266	-6.790
.							
25291	0	-2.901	-6.522	-0.005950	-0.064175	0.006746	7.681
25291	2.300	-2.901	-6.522	-0.005950	-0.064175	-0.006939	-7.320
.							
25301	0	-2.503	0.638810	-0.212106	-0.046153	0.185947	-0.866742
25301	2.300	-2.503	0.638810	-0.212106	-0.046153	-0.301878	0.602462
.							
25311	0	-2.500	2.791	-0.082433	-0.046981	0.031948	-3.140
25311	2.300	-2.500	2.791	-0.082433	-0.046981	-0.157640	3.279
.							
25321	0	-1.755	2.882	-0.049379	-0.049218	0.003912	-3.242
25321	2.300	-1.755	2.882	-0.049379	-0.049218	-0.109654	3.386
.							
25331	0	-1.303	1.918	-0.032129	-0.052129	-0.002181	-2.176
25331	2.300	-1.303	1.918	-0.032129	-0.052129	-0.076074	2.234
.							
25341	0	-1.177	0.444689	-0.019902	-0.055157	-0.003526	-0.508336
25341	2.300	-1.177	0.444689	-0.019902	-0.055157	-0.049300	0.514408
.							
25351	0	-1.154	-1.240	-0.011206	-0.057947	-0.003478	1.423
25351	2.300	-1.154	-1.240	-0.011206	-0.057947	-0.029251	-1.430
.							
25361	0	-1.123	-2.978	-0.005472	-0.060301	-0.002903	3.419
25361	2.300	-1.123	-2.978	-0.005472	-0.060301	-0.015487	-3.430
.							
25371	0	-1.094	-4.626	-0.002173	-0.062131	-0.002008	5.302
25371	2.300	-1.094	-4.626	-0.002173	-0.062131	-0.007006	-5.338
.							
25381	0	-1.243	-5.935	-0.001233	-0.063414	-0.000227	6.771
25381	2.300	-1.243	-5.935	-0.001233	-0.063414	-0.003064	-6.880
.							
25391	0	-1.836	-6.415	-0.005944	-0.064160	0.006957	7.263
25391	2.300	-1.836	-6.415	-0.005944	-0.064160	-0.006714	-7.492
.							
25401	0	-2.772	0.401110	-0.145212	-0.089130	-0.022174	-0.555700
25401	2.300	-2.772	0.401110	-0.145212	-0.089130	-0.356148	0.366816
.							
25411	0	-0.790358	3.466	0.019479	-0.088374	-0.132030	-3.735
25411	2.300	-0.790358	3.466	0.019479	-0.088374	-0.087230	4.235
.							
25421	0	1.125	3.035	0.036672	-0.085615	-0.111575	-3.400
25421	2.300	1.125	3.035	0.036672	-0.085615	-0.027233	3.580
.							
25431	0	1.687	1.905	0.028295	-0.081820	-0.077836	-2.189
25431	2.300	1.687	1.905	0.028295	-0.081820	-0.012760	2.192
.							
25441	0	1.735	0.676428	0.017803	-0.077788	-0.049551	-0.788683
25441	2.300	1.735	0.676428	0.017803	-0.077789	-0.008606	0.767040
.							
25451	0	1.724	-0.555728	0.009609	-0.074037	-0.028865	0.640519
25451	2.300	1.724	-0.555728	0.009609	-0.074037	-0.006764	-0.637605
.							

25461	0	1.784	-1.766	0.004132	-0.070853	-0.014970	2.049
25461	2.300	1.784	-1.766	0.004132	-0.070853	-0.005467	-2.014
.							
25471	0	1.884	-2.936	0.000749	-0.068361	-0.004370	3.395
25471	2.300	1.884	-2.936	0.000749	-0.068361	-0.004646	-3.357
.							
25481	0	1.652	-4.043	-0.002116	-0.066586	-0.001740	4.595
25481	2.300	1.652	-4.043	-0.002116	-0.066586	-0.005607	-4.704
.							
25491	0	-0.042954	-4.888	-0.010242	-0.065501	0.005676	5.333
25491	2.300	-0.042954	-4.888	-0.010242	-0.065501	-0.014881	-5.908
.							
25501	0	0.535496	-4.460	-0.053016	-0.065065	0.068433	5.751
25501	2.300	0.535496	-4.460	-0.053016	-0.065065	-0.055500	-4.507
.							
25601	0	-1.042	-5.360	-0.042159	-0.064419	0.047177	6.403
25601	2.300	-1.042	-5.360	-0.042159	-0.064419	-0.049786	-5.924
.							
25701	0	-3.064	-5.259	-0.042149	-0.064402	0.049778	5.869
25701	2.300	-3.064	-5.259	-0.042149	-0.064402	-0.047161	-6.227
.							
25801	0	-4.023	-4.043	-0.052976	-0.065025	0.055461	4.236
25801	2.300	-4.023	-4.043	-0.052976	-0.065025	-0.060379	-5.062
.							

.ID Hipótesi 25
.SK 4
.TP 20
CARGAS: '' Ejec. "HIP"

Hipótesis	Factor	Etapa	Título
25	1.0000		Frenado

.ID REA3,STATIK2,1.58
.UN M,KN
.EL !LHIP.022
.SK 3
.TP 12
.TK 4
REACCIONES EN APOYOS:

NUDOS	FX [kN]	FY [kN]	FZ [kN]	MX [kNm]	MY [kNm]	MZ [kNm]
1101	-3.875	-2.54E-05	-0.230891			
1201	-3.875	-1.54E-05	-0.265359			
1301	-3.875	1.47E-06	-0.279210			
1401	-3.875	1.84E-05	-0.265359			
1501	-3.875	2.85E-05	-0.230891			
5111	-3.875	2.54E-05	0.230891			
5211	-3.875	1.54E-05	0.265360			
5311	-3.875	-1.47E-06	0.279210			
5411	-3.875	-1.84E-05	0.265359			
5511	-3.875	-2.85E-05	0.230891			
11113	-33.798	8.22E-06	-1.056	-8.19E-05	-313.332	0.000323
11313	-33.824	3.00E-06	0.355286	-3.10E-05	-313.364	0.000170
11513	-33.824	-3.00E-06	-0.355286	3.10E-05	-313.364	0.000170
11713	-33.798	-8.22E-06	1.056	8.19E-05	-313.332	0.000323
. Sumas:	-174.000	-7.23E-11	2.38E-07			

.ID SKR3,STATIK2,1.58

```
.UN  M,KN
.EL !LHIP.022
.SK 3
.TP 12
.TK 4
ESFUERZOS:
```

Barra	Distancia [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
1101	0	3.830	-0.030558	-0.234269	0.004391	-0.004079	0.045613
1101	1.270	3.195	-0.030558	-0.234269	0.004391	-0.301589	0.006805
1102	0	3.170	-0.023236	-0.233948	0.005082	-0.305600	0.031568
1102	1.270	2.535	-0.023236	-0.233948	0.005082	-0.602701	0.002060
1103	0	2.530	-0.006091	-0.232101	0.004770	-0.606434	0.009472
1103	1.270	1.895	-0.006091	-0.232101	0.004770	-0.901190	0.001737
1104	0	1.907	0.012893	-0.229128	0.003972	-0.904429	-0.012650
1104	1.270	1.272	0.012893	-0.229128	0.003972	-1.195	0.003724
1105	0	1.307	0.036766	-0.225132	0.002739	-1.198	-0.039813
1105	1.270	0.671552	0.036766	-0.225132	0.002739	-1.484	0.006878
1106	0	0.750857	0.075191	-0.220168	0.000991	-1.485	-0.080953
1106	1.270	0.115882	0.075191	-0.220168	0.000991	-1.765	0.014535
1107	0	0.251019	0.145985	-0.214271	-0.001407	-1.765	-0.145924
1107	1.270	-0.383955	0.145985	-0.214271	-0.001407	-2.037	0.039470
1108	0	-0.155763	0.287811	-0.207771	-0.004598	-2.035	-0.232064
1108	1.270	-0.790737	0.287811	-0.207771	-0.004598	-2.299	0.133442
1109	0	-0.472149	0.589804	-0.201175	-0.008570	-2.295	-0.250961
1109	1.270	-1.107	0.589804	-0.201175	-0.008570	-2.550	0.498060
1110	0	-0.913494	1.146	-0.196279	-0.012344	-2.542	0.255218
1110	1.270	-1.548	1.146	-0.196279	-0.012344	-2.792	1.711
1201	0	3.927	-0.021517	-0.263004	0.004963	0.002335	0.047209
1201	1.270	3.292	-0.021517	-0.263004	0.004963	-0.331667	0.019884
1202	0	3.315	-0.026709	-0.262957	0.005434	-0.329370	0.045363
1202	1.270	2.680	-0.026709	-0.262957	0.005434	-0.663312	0.011444
1203	0	2.683	-0.015291	-0.263904	0.004883	-0.661132	0.019670
1203	1.270	2.048	-0.015291	-0.263904	0.004883	-0.996277	0.000251
1204	0	2.039	0.004906	-0.265722	0.003854	-0.994306	-0.017238
1204	1.270	1.404	0.004906	-0.265722	0.003854	-1.332	-0.011008
1205	0	1.380	0.034542	-0.268557	0.002394	-1.330	-0.068853
1205	1.270	0.745397	0.034542	-0.268557	0.002394	-1.671	-0.024987
1206	0	0.695914	0.093575	-0.272727	0.000472	-1.670	-0.149746
1206	1.270	0.060939	0.093575	-0.272727	0.000472	-2.016	-0.030911
1207	0	-0.018161	0.230091	-0.278360	-0.001944	-2.016	-0.266791
1207	1.270	-0.653135	0.230091	-0.278360	-0.001944	-2.370	0.025413
1208	0	-0.784884	0.511002	-0.285523	-0.004838	-2.370	-0.368302
1208	1.270	-1.420	0.511002	-0.285523	-0.004838	-2.733	0.280645
1209	0	-1.621	0.945686	-0.293657	-0.007950	-2.735	-0.234689
1209	1.270	-2.256	0.945686	-0.293657	-0.007950	-3.108	0.966284
1210	0	-2.404	1.338	-0.300730	-0.009672	-3.113	0.715578
1210	1.270	-3.039	1.338	-0.300730	-0.009672	-3.495	2.415
1301	0	3.865	-0.000110	-0.277143	8.46E-09	0.003458	0.000111
1301	1.270	3.230	-0.000110	-0.277143	8.46E-09	-0.348500	-2.30E-05
1302	0	3.233	-0.000159	-0.277883	4.83E-08	-0.345158	0.000127
1302	1.270	2.598	-0.000159	-0.277883	4.83E-08	-0.698056	-7.45E-05
1303	0	2.598	-0.000168	-0.279683	8.31E-08	-0.695044	0.000110
1303	1.270	1.963	-0.000168	-0.279683	8.31E-08	-1.050	-0.000103
1304	0	1.960	-0.000161	-0.281996	9.76E-08	-1.048	8.78E-05
1304	1.270	1.325	-0.000161	-0.281996	9.76E-08	-1.406	-0.000117
1305	0	1.305	-0.000154	-0.284301	7.81E-08	-1.404	6.67E-05
1305	1.270	0.669712	-0.000154	-0.284301	7.81E-08	-1.765	-0.000129
1306	0	0.610356	-0.000147	-0.285996	4.62E-09	-1.765	3.54E-05
1306	1.270	-0.024618	-0.000147	-0.285996	4.62E-09	-2.128	-0.000151
1307	0	-0.139915	-0.000114	-0.286380	-1.32E-07	-2.129	-2.78E-05
1307	1.270	-0.774890	-0.000114	-0.286380	-1.32E-07	-2.492	-0.000172
1308	0	-0.965871	-2.60E-06	-0.285127	-2.72E-07	-2.495	-0.000138
1308	1.270	-1.601	-2.60E-06	-0.285127	-2.72E-07	-2.857	-0.000142
1309	0	-1.844	0.000224	-0.282047	-1.89E-07	-2.861	-0.000270
1309	1.270	-2.479	0.000224	-0.282047	-1.89E-07	-3.219	1.47E-05
1310	0	-2.562	0.000468	-0.277667	3.41E-07	-3.224	-0.000326
1310	1.270	-3.197	0.000468	-0.277667	3.41E-07	-3.577	0.000268
1401	0	3.927	0.021292	-0.263007	-0.004963	0.002337	-0.047002
1401	1.270	3.292	0.021292	-0.263007	-0.004963	-0.331668	-0.019962
1402	0	3.315	0.026426	-0.262954	-0.005434	-0.329372	-0.045158
1402	1.270	2.680	0.026426	-0.262954	-0.005434	-0.663310	-0.011598
1403	0	2.683	0.015016	-0.263899	-0.004883	-0.661132	-0.019612
1403	1.270	2.048	0.015016	-0.263899	-0.004883	-0.996271	-0.000442
1404	0	2.042	-0.005168	-0.265721	-0.003854	-0.994303	0.017365
1404	1.270	1.407	-0.005168	-0.265721	-0.003854	-1.332	0.010802
1405	0	1.377	-0.034795	-0.268575	-0.002394	-1.330	0.068961
1405	1.270	0.742106	-0.034795	-0.268575	-0.002394	-1.671	0.024773
1406	0	0.695914	-0.093831	-0.272686	-0.000472	-1.670	0.149835
1406	1.270	0.060939	-0.093831	-0.272686	-0.000472	-2.016	0.030675
1407	0	-0.018161	-0.230378	-0.278388	0.001945	-2.016	0.266832

1407	1.270	-0.653135	-0.230378	-0.278388	0.001945	-2.370	-0.025736
1408	0	-0.784884	-0.511316	-0.285538	0.004840	-2.370	0.368193
1408	1.270	-1.420	-0.511316	-0.285538	0.004840	-2.733	-0.281152
1409	0	-1.617	-0.945739	-0.293668	0.007951	-2.735	0.234233
1409	1.270	-2.252	-0.945739	-0.293668	0.007951	-3.108	-0.966808
1410	0	-2.407	-1.337	-0.300729	0.009669	-3.113	-0.716443
1410	1.270	-3.042	-1.337	-0.300729	0.009669	-3.495	-2.415
1501	0	3.830	0.030901	-0.234268	-0.004391	-0.004079	-0.045481
1501	1.270	3.195	0.030901	-0.234268	-0.004391	-0.301588	-0.006238
1502	0	3.170	0.023685	-0.233951	-0.005083	-0.305597	-0.030849
1502	1.270	2.535	0.023685	-0.233951	-0.005083	-0.602704	-0.000770
1503	0	2.530	0.006541	-0.232096	-0.004770	-0.606436	-0.008052
1503	1.270	1.895	0.006541	-0.232096	-0.004770	-0.901186	0.000255
1504	0	1.907	-0.012462	-0.229140	-0.003973	-0.904421	0.014767
1504	1.270	1.272	-0.012462	-0.229140	-0.003973	-1.195	-0.001059
1505	0	1.309	-0.036350	-0.225121	-0.002739	-1.198	0.042604
1505	1.270	0.674211	-0.036350	-0.225121	-0.002739	-1.484	-0.003559
1506	0	0.748198	-0.074781	-0.220157	-0.000990	-1.485	0.084404
1506	1.270	0.113223	-0.074781	-0.220157	-0.000990	-1.765	-0.010565
1507	0	0.251019	-0.145577	-0.214289	0.001409	-1.765	0.150038
1507	1.270	-0.383955	-0.145577	-0.214289	0.001409	-2.037	-0.034837
1508	0	-0.153104	-0.287486	-0.207747	0.004601	-2.035	0.236892
1508	1.270	-0.788079	-0.287486	-0.207747	0.004601	-2.299	-0.128201
1509	0	-0.472149	-0.589969	-0.201172	0.008571	-2.295	0.256501
1509	1.270	-1.107	-0.589969	-0.201172	0.008571	-2.550	-0.492730
1510	0	-0.910836	-1.148	-0.196300	0.012340	-2.542	-0.249698
1510	1.270	-1.546	-1.148	-0.196300	0.012340	-2.792	-1.707
2101	0	3.071	1.139	-0.390209	-0.005605	2.792	-1.699
2101	1.390	2.376	1.139	-0.390209	-0.005605	2.249	-0.115254
2102	0	2.658	0.557990	-0.396058	-0.002049	2.253	-0.464832
2102	1.390	1.963	0.557990	-0.396058	-0.002049	1.702	0.310742
2103	0	2.339	0.272180	-0.402193	0.001476	1.702	-0.143824
2103	1.390	1.644	0.272180	-0.402193	0.001476	1.143	0.234491
2104	0	1.900	0.147852	-0.406730	0.003819	1.141	-0.067112
2104	1.390	1.205	0.147852	-0.406730	0.003819	0.575368	0.138394
2105	0	1.373	0.099810	-0.409109	0.004938	0.571690	-0.056239
2105	1.390	0.677628	0.099810	-0.409109	0.004938	0.003052	0.082490
2106	0	0.813889	0.101852	-0.409169	0.004906	-0.001040	-0.079080
2106	1.390	0.118917	0.101852	-0.409169	0.004906	-0.569761	0.062489
2107	0	0.289186	0.152405	-0.406926	0.003719	-0.573404	-0.134887
2107	1.390	-0.405786	0.152405	-0.406926	0.003719	-1.139	0.076946
2108	0	-0.148067	0.272938	-0.402588	0.001304	-1.141	-0.226547
2108	1.390	-0.843039	0.272938	-0.402588	0.001304	-1.701	0.152822
2109	0	-0.461431	0.536638	-0.396717	-0.002318	-1.701	-0.301210
2109	1.390	-1.156	0.536638	-0.396717	-0.002318	-2.252	0.444687
2110	0	-0.842813	1.059	-0.391219	-0.006078	-2.249	0.061023
2110	1.390	-1.538	1.059	-0.391219	-0.006078	-2.792	1.533
2201	0	5.038	1.344	-0.521759	-0.004686	3.503	-2.387
2201	1.390	4.343	1.344	-0.521759	-0.004686	2.778	-0.518605
2202	0	4.136	0.910481	-0.511883	-0.002226	2.775	-0.902029
2202	1.390	3.441	0.910481	-0.511883	-0.002226	2.064	0.363489
2203	0	3.216	0.469878	-0.502512	0.000758	2.064	-0.267592
2203	1.390	2.521	0.469878	-0.502512	0.000758	1.366	0.385512
2204	0	2.380	0.220357	-0.495858	0.002900	1.368	-0.065469
2204	1.390	1.685	0.220357	-0.495858	0.002900	0.678740	0.240815
2205	0	1.595	0.126945	-0.492499	0.003988	0.681538	-0.051868
2205	1.390	0.900244	0.126945	-0.492499	0.003988	-0.003009	0.124578
2206	0	0.822525	0.130186	-0.492506	0.003985	1.55E-05	-0.115212
2206	1.390	0.127553	0.130186	-0.492506	0.003985	-0.684540	0.065739
2207	0	0.031795	0.225260	-0.495823	0.002892	-0.681796	-0.229552
2207	1.390	-0.663177	0.225260	-0.495823	0.002892	-1.371	0.083546
2208	0	-0.304034	0.461112	-0.502295	0.000759	-1.369	-0.367880
2208	1.390	-1.199	0.461112	-0.502295	0.000759	-2.067	0.273040
2209	0	-1.727	0.867453	-0.511258	-0.002185	-2.067	-0.358732
2209	1.390	-2.422	0.867453	-0.511258	-0.002185	-2.778	0.846979
2210	0	-2.650	1.268	-0.520426	-0.004502	-2.780	0.406063
2210	1.390	-3.345	1.268	-0.520426	-0.004502	-3.503	2.169
2301	0	5.209	0.000411	-0.503603	2.96E-07	3.586	-0.000200
2301	1.390	4.514	0.000411	-0.503603	2.96E-07	2.886	0.000371
2302	0	4.364	9.53E-05	-0.511637	-2.11E-07	2.883	6.39E-05
2302	1.390	3.669	9.53E-05	-0.511637	-2.11E-07	2.172	0.000196
2303	0	3.366	-0.000153	-0.518127	-1.99E-07	2.171	0.000222
2303	1.390	2.671	-0.000153	-0.518127	-1.99E-07	1.451	8.95E-06
2304	0	2.437	-0.000251	-0.522357	-1.77E-08	1.451	0.000238
2304	1.390	1.742	-0.000251	-0.522357	-1.77E-08	0.725409	-0.000111
2305	0	1.595	-0.000269	-0.524306	1.02E-07	0.727035	0.000205
2305	1.390	0.900244	-0.000269	-0.524306	1.02E-07	-0.001721	-0.000169
2306	0	0.774420	-0.000267	-0.524175	1.04E-07	0.000272	0.000168
2306	1.390	0.079448	-0.000267	-0.524175	1.04E-07	-0.728301	-0.000204

2307	0	-0.070428	-0.000245	-0.522021	-7.80E-09	-0.726649	0.000111
2307	1.390	-0.765400	-0.000245	-0.522021	-7.80E-09	-1.452	-0.000230
2308	0	-0.993448	-0.000149	-0.517770	-1.76E-07	-1.452	1.98E-06
2308	1.390	-1.688	-0.000149	-0.517770	-1.76E-07	-2.171	-0.000204
2309	0	-1.998	8.14E-05	-0.511584	-1.91E-07	-2.172	-0.000156
2309	1.390	-2.693	8.14E-05	-0.511584	-1.91E-07	-2.883	-4.33E-05
2310	0	-2.867	0.000355	-0.504227	2.63E-07	-2.886	-0.000274
2310	1.390	-3.562	0.000355	-0.504227	2.63E-07	-3.586	0.000218
2401	0	5.038	-1.344	-0.521750	0.004683	3.503	2.387
2401	1.390	4.343	-1.344	-0.521750	0.004683	2.778	0.519493
2402	0	4.136	-0.910835	-0.511894	0.002227	2.776	0.902752
2402	1.390	3.441	-0.910835	-0.511894	0.002227	2.064	-0.363258
2403	0	3.216	-0.470420	-0.502506	-0.000757	2.064	0.268196
2403	1.390	2.521	-0.470420	-0.502506	-0.000757	1.366	-0.385661
2404	0	2.380	-0.220847	-0.495862	-0.002899	1.368	0.065876
2404	1.390	1.685	-0.220847	-0.495862	-0.002899	0.678743	-0.241089
2405	0	1.595	-0.127409	-0.492504	-0.003988	0.681542	0.052202
2405	1.390	0.900244	-0.127409	-0.492504	-0.003988	-0.003011	-0.124889
2406	0	0.822525	-0.130650	-0.492509	-0.003985	1.54E-05	0.115520
2406	1.390	0.127553	-0.130650	-0.492509	-0.003985	-0.684545	-0.066076
2407	0	0.034802	-0.225749	-0.495826	-0.002892	-0.681801	0.229827
2407	1.390	-0.660170	-0.225749	-0.495826	-0.002892	-1.371	-0.083952
2408	0	-0.807040	-0.461647	-0.502295	-0.000757	-1.369	0.368042
2408	1.390	-1.502	-0.461647	-0.502295	-0.000757	-2.067	-0.273622
2409	0	-1.727	-0.867806	-0.511256	0.002186	-2.067	0.358566
2409	1.390	-2.422	-0.867806	-0.511256	0.002186	-2.778	-0.847635
2410	0	-2.650	-1.268	-0.520432	0.004499	-2.780	-0.406727
2410	1.390	-3.345	-1.268	-0.520432	0.004499	-3.503	-2.169
2501	0	3.068	-1.140	-0.390214	0.005601	2.791	1.695
2501	1.390	2.373	-1.140	-0.390214	0.005601	2.249	0.110132
2502	0	2.658	-0.557714	-0.396053	0.002050	2.253	0.460148
2502	1.390	1.963	-0.557714	-0.396053	0.002050	1.702	-0.315043
2503	0	2.339	-0.271470	-0.402188	-0.001474	1.702	0.140000
2503	1.390	1.644	-0.271470	-0.402188	-0.001474	1.143	-0.237327
2504	0	1.900	-0.147095	-0.406728	-0.003818	1.141	0.064603
2504	1.390	1.205	-0.147095	-0.406728	-0.003818	0.575364	-0.139850
2505	0	1.370	-0.099061	-0.409106	-0.004938	0.571687	0.055061
2505	1.390	0.675199	-0.099061	-0.409106	-0.004938	0.003052	-0.082628
2506	0	0.816318	-0.101105	-0.409167	-0.004906	-0.001040	0.079214
2506	1.390	0.121346	-0.101105	-0.409167	-0.004906	-0.569758	-0.061317
2507	0	0.289186	-0.151654	-0.406925	-0.003719	-0.573399	0.136341
2507	1.390	-0.405786	-0.151654	-0.406925	-0.003719	-1.139	-0.074450
2508	0	-0.148067	-0.272239	-0.402584	-0.001302	-1.141	0.229331
2508	1.390	-0.843039	-0.272239	-0.402584	-0.001302	-1.701	-0.149016
2509	0	-0.461431	-0.536351	-0.396714	0.002319	-1.701	0.305505
2509	1.390	-1.156	-0.536351	-0.396714	0.002319	-2.252	-0.439932
2510	0	-0.840384	-1.060	-0.391226	0.006074	-2.249	-0.055835
2510	1.390	-1.535	-1.060	-0.391226	0.006074	-2.792	-1.529
3101	0	2.710	1.025	-0.328079	-0.007794	2.795	-1.513
3101	1.640	1.890	1.025	-0.328079	-0.007794	2.257	0.167238
3102	0	2.370	0.469024	-0.334894	-0.002964	2.262	-0.411051
3102	1.640	1.550	0.469024	-0.334894	-0.002964	1.713	0.358117
3103	0	1.989	0.226838	-0.341951	0.001166	1.713	-0.157957
3103	1.640	1.169	0.226838	-0.341951	0.001166	1.152	0.214043
3104	0	1.423	0.121780	-0.347097	0.003756	1.150	-0.082149
3104	1.640	0.602985	0.121780	-0.347097	0.003756	0.580364	0.117562
3105	0	0.757934	0.080762	-0.349752	0.004974	0.576017	-0.060577
3105	1.640	-0.062033	0.080762	-0.349752	0.004974	0.002447	0.071867
3106	0	0.062033	0.080762	-0.349752	0.004974	-0.002441	-0.071867
3106	1.640	-0.757934	0.080762	-0.349752	0.004974	-0.576012	0.060577
3107	0	-0.602985	0.121780	-0.347099	0.003756	-0.580358	-0.117562
3107	1.640	-1.423	0.121780	-0.347099	0.003756	-1.150	0.082149
3108	0	-1.169	0.226838	-0.341952	0.001166	-1.152	-0.214043
3108	1.640	-1.989	0.226838	-0.341952	0.001166	-1.713	0.157956
3109	0	-1.550	0.469024	-0.334888	-0.002964	-1.713	-0.358117
3109	1.640	-2.370	0.469024	-0.334888	-0.002964	-2.262	0.411051
3110	0	-1.890	1.025	-0.328085	-0.007794	-2.257	-0.167238
3110	1.640	-2.710	1.025	-0.328085	-0.007794	-2.795	1.513
3201	0	4.938	1.261	-0.444843	-0.005852	3.500	-2.132
3201	1.640	4.118	1.261	-0.444843	-0.005852	2.770	-0.063687
3202	0	3.792	0.779672	-0.434371	-0.002819	2.767	-0.769645
3202	1.640	2.972	0.779672	-0.434371	-0.002819	2.055	0.508967
3203	0	2.724	0.371379	-0.424585	0.000696	2.055	-0.246639
3203	1.640	1.904	0.371379	-0.424585	0.000696	1.359	0.362397
3204	0	1.763	0.175357	-0.417892	0.003180	1.361	-0.091781
3204	1.640	0.943142	0.175357	-0.417892	0.003180	0.675276	0.195793
3205	0	0.858477	0.107843	-0.414620	0.004438	0.678297	-0.071349
3205	1.640	0.038510	0.107843	-0.414620	0.004438	-0.001651	0.105507

3206	0	-0.038510	0.107843	-0.414618	0.004438	0.001655	-0.105507
3206	1.640	-0.858477	0.107843	-0.414618	0.004438	-0.678292	0.071349
3207	0	-0.943142	0.175357	-0.417896	0.003180	-0.675269	-0.195733
3207	1.640	-1.763	0.175357	-0.417896	0.003180	-1.361	0.091780
3208	0	-1.904	0.371378	-0.424587	0.000696	-1.359	-0.362397
3208	1.640	-2.724	0.371378	-0.424587	0.000696	-2.055	0.246639
3209	0	-2.972	0.779672	-0.434366	-0.002819	-2.055	-0.508966
3209	1.640	-3.792	0.779672	-0.434366	-0.002819	-2.767	0.769644
3210	0	-4.118	1.261	-0.444845	-0.005852	-2.770	0.063637
3210	1.640	-4.938	1.261	-0.444845	-0.005852	-3.500	2.132
3301	0	5.201	0.000370	-0.426396	1.59E-07	3.583	-0.000276
3301	1.640	4.381	0.000370	-0.426396	1.59E-07	2.884	0.000331
3302	0	4.079	6.27E-05	-0.433720	-2.51E-07	2.880	2.06E-05
3302	1.640	3.260	6.27E-05	-0.433720	-2.51E-07	2.169	0.000124
3303	0	2.877	-0.000156	-0.439175	-1.32E-07	2.168	0.000198
3303	1.640	2.057	-0.000156	-0.439175	-1.32E-07	1.448	-5.79E-05
3304	0	1.824	-0.000223	-0.442261	5.33E-08	1.449	0.000218
3304	1.640	1.004	-0.000223	-0.442261	5.33E-08	0.723285	-0.000148
3305	0	0.871218	-0.000232	-0.443506	1.51E-07	0.725804	0.000200
3305	1.640	0.051251	-0.000232	-0.443506	1.51E-07	-0.001516	-0.000181
3306	0	-0.051251	-0.000232	-0.443506	1.51E-07	0.001521	0.000181
3306	1.640	-0.871218	-0.000232	-0.443506	1.51E-07	-0.725800	-0.000200
3307	0	-1.004	-0.000223	-0.442254	5.33E-08	-0.723286	0.000148
3307	1.640	-1.824	-0.000223	-0.442254	5.33E-08	-1.449	-0.000218
3308	0	-2.057	-0.000156	-0.439175	-1.32E-07	-1.448	5.79E-05
3308	1.640	-2.877	-0.000156	-0.439175	-1.32E-07	-2.168	-0.000198
3309	0	-3.260	6.27E-05	-0.433719	-2.51E-07	-2.169	-0.000124
3309	1.640	-4.079	6.27E-05	-0.433719	-2.51E-07	-2.880	-2.06E-05
3310	0	-4.381	0.000370	-0.426395	1.59E-07	-2.884	-0.000331
3310	1.640	-5.201	0.000370	-0.426395	1.59E-07	-3.583	0.000276
3401	0	4.938	-1.261	-0.444837	0.005850	3.500	2.132
3401	1.640	4.118	-1.261	-0.444837	0.005850	2.770	0.064360
3402	0	3.792	-0.780044	-0.434377	0.002820	2.767	0.770274
3402	1.640	2.972	-0.780044	-0.434377	0.002820	2.055	-0.508946
3403	0	2.724	-0.371819	-0.424589	-0.000695	2.055	0.247125
3403	1.640	1.904	-0.371819	-0.424589	-0.000695	1.359	-0.362634
3404	0	1.766	-0.175758	-0.417896	-0.003180	1.361	0.092145
3404	1.640	0.945690	-0.175758	-0.417896	-0.003180	0.675276	-0.196086
3405	0	0.855929	-0.108239	-0.414623	-0.004438	0.678301	0.071682
3405	1.640	0.035962	-0.108239	-0.414623	-0.004438	-0.001653	-0.105822

3406	0	-0.035962	-0.108239	-0.414620	-0.004438	0.001655	0.105822
3406	1.640	-0.855929	-0.108239	-0.414620	-0.004438	-0.678294	-0.071682
3407	0	-0.945690	-0.175758	-0.417899	-0.003180	-0.675270	0.196086
3407	1.640	-1.766	-0.175758	-0.417899	-0.003180	-1.361	-0.092145
3408	0	-1.904	-0.371819	-0.424585	-0.000695	-1.359	0.362634
3408	1.640	-2.724	-0.371819	-0.424585	-0.000695	-2.055	-0.247125
3409	0	-2.972	-0.780044	-0.434372	0.002820	-2.055	0.508946
3409	1.640	-3.792	-0.780044	-0.434372	0.002820	-2.767	-0.770274
3410	0	-4.118	-1.261	-0.444846	0.005850	-2.770	-0.064360
3410	1.640	-4.938	-1.261	-0.444846	0.005850	-3.500	-2.132
3501	0	2.710	-1.026	-0.328083	0.007792	2.795	1.509
3501	1.640	1.890	-1.026	-0.328083	0.007792	2.257	-0.172812
3502	0	2.368	-0.468696	-0.334892	0.002965	2.262	0.406210
3502	1.640	1.548	-0.468696	-0.334892	0.002965	1.713	-0.362421
3503	0	1.987	-0.226223	-0.341944	-0.001164	1.713	0.154137
3503	1.640	1.167	-0.226223	-0.341944	-0.001164	1.152	-0.216854
3504	0	1.423	-0.121138	-0.347098	-0.003756	1.150	0.079642
3504	1.640	0.602985	-0.121138	-0.347098	-0.003756	0.580360	-0.119016
3505	0	0.757934	-0.080115	-0.349749	-0.004974	0.576013	0.059387
3505	1.640	-0.062033	-0.080115	-0.349749	-0.004974	0.002448	-0.071996
3506	0	0.062033	-0.080115	-0.349750	-0.004974	-0.002442	0.071996
3506	1.640	-0.757934	-0.080115	-0.349750	-0.004974	-0.576008	-0.059387
3507	0	-0.602985	-0.121137	-0.347096	-0.003756	-0.580356	0.119016
3507	1.640	-1.423	-0.121137	-0.347096	-0.003756	-1.150	-0.079642
3508	0	-1.167	-0.226223	-0.341949	-0.001164	-1.152	0.216853
3508	1.640	-1.987	-0.226223	-0.341949	-0.001164	-1.713	-0.154137
3509	0	-1.548	-0.468696	-0.334894	0.002965	-1.713	0.362421
3509	1.640	-2.368	-0.468696	-0.334894	0.002965	-2.262	-0.406210
3510	0	-1.890	-1.026	-0.328081	0.007792	-2.257	0.172813
3510	1.640	-2.710	-1.026	-0.328081	0.007792	-2.795	-1.509
4101	0	1.538	1.059	-0.391226	-0.006078	2.792	-1.533
4101	1.390	0.842813	1.059	-0.391226	-0.006078	2.249	-0.061022
4102	0	1.156	0.536638	-0.396717	-0.002318	2.252	-0.444687
4102	1.390	0.461431	0.536638	-0.396717	-0.002318	1.701	0.301210
4103	0	0.843039	0.272938	-0.402586	0.001304	1.701	-0.152822
4103	1.390	0.148067	0.272938	-0.402586	0.001304	1.141	0.226547
4104	0	0.405786	0.152404	-0.406928	0.003719	1.139	-0.076946
4104	1.390	-0.289186	0.152404	-0.406928	0.003719	0.573413	0.134887
4105	0	-0.118917	0.101852	-0.409168	0.004906	0.569772	-0.062488

4105	1.390	-0.813889	0.101852	-0.409168	0.004906	0.001052	0.079080
4106	0	-0.677628	0.099809	-0.409109	0.004938	-0.003041	-0.082490
4106	1.390	-1.373	0.099809	-0.409109	0.004938	-0.571680	0.056239
4107	0	-1.205	0.147852	-0.406734	0.003819	-0.575355	-0.138394
4107	1.390	-1.900	0.147852	-0.406734	0.003819	-1.141	0.067112
4108	0	-1.644	0.272180	-0.402196	0.001476	-1.143	-0.234491
4108	1.390	-2.339	0.272180	-0.402196	0.001476	-1.702	0.143824
4109	0	-1.963	0.557989	-0.396056	-0.002043	-1.702	-0.310742
4109	1.390	-2.658	0.557989	-0.396056	-0.002043	-2.253	0.464831
4110	0	-2.376	1.139	-0.390211	-0.005605	-2.249	0.115254
4110	1.390	-3.071	1.139	-0.390211	-0.005605	-2.792	1.699
4201	0	3.345	1.268	-0.520429	-0.004502	3.503	-2.169
4201	1.390	2.650	1.268	-0.520429	-0.004502	2.780	-0.406063
4202	0	2.422	0.867453	-0.511260	-0.002185	2.778	-0.846979
4202	1.390	1.727	0.867453	-0.511260	-0.002185	2.067	0.358732
4203	0	1.499	0.461112	-0.502297	0.000758	2.067	-0.273040
4203	1.390	0.804034	0.461112	-0.502297	0.000758	1.369	0.367879
4204	0	0.663177	0.225259	-0.495823	0.002892	1.371	-0.083546
4204	1.390	-0.031795	0.225259	-0.495823	0.002892	0.681798	0.229552
4205	0	-0.127553	0.130186	-0.492507	0.003985	0.684542	-0.065739
4205	1.390	-0.822525	0.130186	-0.492507	0.003985	-1.45E-05	0.115212
4206	0	-0.900244	0.126944	-0.492502	0.003983	0.003012	-0.124578
4206	1.390	-1.595	0.126944	-0.492502	0.003983	-0.681537	0.051867
4207	0	-1.685	0.220356	-0.495855	0.002900	-0.678741	-0.240814
4207	1.390	-2.380	0.220356	-0.495855	0.002900	-1.368	0.065468
4208	0	-2.521	0.469877	-0.502503	0.000758	-1.366	-0.385512
4208	1.390	-3.216	0.469877	-0.502503	0.000758	-2.064	0.267591
4209	0	-3.441	0.910480	-0.511890	-0.002226	-2.064	-0.363489
4209	1.390	-4.136	0.910480	-0.511890	-0.002226	-2.775	0.902028
4210	0	-4.343	1.344	-0.521757	-0.004686	-2.778	0.518604
4210	1.390	-5.038	1.344	-0.521757	-0.004686	-3.503	2.387
4301	0	3.562	0.000355	-0.504219	2.63E-07	3.586	-0.000218
4301	1.390	2.867	0.000355	-0.504219	2.63E-07	2.886	0.000274
4302	0	2.693	8.14E-05	-0.511590	-1.91E-07	2.883	4.33E-05
4302	1.390	1.998	8.14E-05	-0.511590	-1.91E-07	2.172	0.000156
4303	0	1.688	-0.000149	-0.517777	-1.76E-07	2.171	0.000204
4303	1.390	0.993448	-0.000149	-0.517777	-1.76E-07	1.452	-1.98E-06
4304	0	0.765400	-0.000245	-0.522020	-7.80E-09	1.452	0.000230
4304	1.390	0.070428	-0.000245	-0.522020	-7.80E-09	0.726652	-0.000111
4305	0	-0.079448	-0.000267	-0.524176	1.04E-07	0.728304	0.000204
4305	1.390	-0.774420	-0.000267	-0.524176	1.04E-07	-0.000271	-0.000168
4306	0	-0.900244	-0.000269	-0.524306	1.02E-07	0.001723	0.000169
4306	1.390	-1.595	-0.000269	-0.524306	1.02E-07	-0.727033	-0.000205
4307	0	-1.742	-0.000251	-0.522358	-1.77E-08	-0.725406	0.000111
4307	1.390	-2.437	-0.000251	-0.522358	-1.77E-08	-1.451	-0.000238
4308	0	-2.671	-0.000153	-0.518119	-2.00E-07	-1.451	-8.95E-06
4308	1.390	-3.366	-0.000153	-0.518119	-2.00E-07	-2.171	-0.000222
4309	0	-3.669	9.53E-05	-0.511638	-2.11E-07	-2.172	-0.000196
4309	1.390	-4.364	9.53E-05	-0.511638	-2.11E-07	-2.883	-6.39E-05
4310	0	-4.514	0.000411	-0.503607	2.96E-07	-2.886	-0.000371
4310	1.390	-5.209	0.000411	-0.503607	2.96E-07	-3.586	0.000200
4401	0	3.345	-1.268	-0.520422	0.004499	3.503	2.169
4401	1.390	2.650	-1.268	-0.520422	0.004499	2.780	0.406727
4402	0	2.422	-0.867806	-0.511259	0.002186	2.779	0.847635
4402	1.390	1.727	-0.867806	-0.511259	0.002186	2.067	-0.358566
4403	0	1.502	-0.461647	-0.502295	-0.000757	2.067	0.273622
4403	1.390	0.807040	-0.461647	-0.502295	-0.000757	1.369	-0.368042
4404	0	0.660170	-0.225749	-0.495824	-0.002892	1.371	0.083952
4404	1.390	-0.034802	-0.225749	-0.495824	-0.002892	0.681804	-0.229826
4405	0	-0.127553	-0.130650	-0.492510	-0.003985	0.684547	0.066076
4405	1.390	-0.822525	-0.130650	-0.492510	-0.003985	-1.42E-05	-0.115520
4406	0	-0.900244	-0.127408	-0.492506	-0.003988	0.003014	0.124889
4406	1.390	-1.595	-0.127408	-0.492506	-0.003988	-0.681542	-0.052201
4407	0	-1.685	-0.220847	-0.495859	-0.002899	-0.678743	0.241089
4407	1.390	-2.380	-0.220847	-0.495859	-0.002899	-1.368	-0.065875
4408	0	-2.521	-0.470419	-0.502509	-0.000757	-1.366	0.385661
4408	1.390	-3.216	-0.470419	-0.502509	-0.000757	-2.064	-0.268195
4409	0	-3.441	-0.910835	-0.511888	0.002227	-2.064	0.363258
4409	1.390	-4.136	-0.910835	-0.511888	0.002227	-2.776	-0.902751
4410	0	-4.343	-1.344	-0.521759	0.004683	-2.778	-0.519493
4410	1.390	-5.038	-1.344	-0.521759	0.004683	-3.503	-2.387
4501	0	1.535	-1.060	-0.391232	0.006074	2.792	1.529
4501	1.390	0.840384	-1.060	-0.391232	0.006074	2.249	0.055834
4502	0	1.156	-0.536350	-0.396712	0.002319	2.252	0.439992
4502	1.390	0.461431	-0.536350	-0.396712	0.002319	1.701	-0.305505
4503	0	0.843039	-0.272239	-0.402581	-0.001302	1.701	0.149016
4503	1.390	0.148067	-0.272239	-0.402581	-0.001302	1.141	-0.229380
4504	0	0.405786	-0.151654	-0.406928	-0.003719	1.139	0.074449
4504	1.390	-0.289186	-0.151654	-0.406928	-0.003719	0.573408	-0.136341

4505	0	-0.121346	-0.101105	-0.409166	-0.004906	0.569769	0.061316
4505	1.390	-0.816318	-0.101105	-0.409166	-0.004906	0.001051	-0.079213
4506	0	-0.675199	-0.099060	-0.409106	-0.004938	-0.003041	0.082628
4506	1.390	-1.370	-0.099060	-0.409106	-0.004938	-0.571676	-0.055061
4507	0	-1.205	-0.147094	-0.406731	-0.003818	-0.575351	0.139850
4507	1.390	-1.900	-0.147094	-0.406731	-0.003818	-1.141	-0.064603
4508	0	-1.644	-0.271469	-0.402190	-0.001474	-1.143	0.237327
4508	1.390	-2.339	-0.271469	-0.402190	-0.001474	-1.702	-0.140000
4509	0	-1.963	-0.557714	-0.396051	0.002050	-1.702	0.315043
4509	1.390	-2.658	-0.557714	-0.396051	0.002050	-2.253	-0.460148
4510	0	-2.373	-1.140	-0.390217	0.005601	-2.249	-0.110132
4510	1.390	-3.068	-1.140	-0.390217	0.005601	-2.791	-1.695
5101	0	1.548	1.146	-0.196284	-0.012344	2.792	-1.711
5101	1.270	0.913494	1.146	-0.196284	-0.012344	2.542	-0.255217
5102	0	1.107	0.589803	-0.201172	-0.008570	2.550	-0.498059
5102	1.270	0.472149	0.589803	-0.201172	-0.008570	2.295	0.250961
5103	0	0.790737	0.287810	-0.207747	-0.004598	2.299	-0.133441
5103	1.270	0.155763	0.287810	-0.207747	-0.004598	2.035	0.232064
5104	0	0.383954	0.145985	-0.214293	-0.001407	2.037	-0.039469
5104	1.270	-0.251019	0.145985	-0.214293	-0.001407	1.765	0.145924
5105	0	-0.115884	0.075191	-0.220159	0.000991	1.765	-0.014535
5105	1.270	-0.750857	0.075191	-0.220159	0.000991	1.485	0.080953
5106	0	-0.674214	0.036765	-0.225146	0.002739	1.484	-0.006877
5106	1.270	-1.309	0.036765	-0.225146	0.002739	1.198	0.039813
5107	0	-1.270	0.012893	-0.229132	0.003972	1.195	-0.003723
5107	1.270	-1.905	0.012893	-0.229132	0.003972	0.904423	0.012650
5108	0	-1.895	-0.006091	-0.232102	0.004770	0.901186	-0.001737
5108	1.270	-2.530	-0.006091	-0.232102	0.004770	0.606430	-0.009472
5109	0	-2.535	-0.023236	-0.233960	0.005082	0.602705	-0.002060
5109	1.270	-3.170	-0.023236	-0.233960	0.005082	0.305589	-0.031568
5110	0	-3.195	-0.030558	-0.234275	0.004391	0.301589	-0.006805
5110	1.270	-3.830	-0.030558	-0.234275	0.004391	0.004072	-0.045613
5201	0	3.039	1.338	-0.300736	-0.009672	3.495	-2.415
5201	1.270	2.404	1.338	-0.300736	-0.009672	3.113	-0.715578
5202	0	2.252	0.945686	-0.293670	-0.007950	3.108	-0.966284
5202	1.270	1.617	0.945686	-0.293670	-0.007950	2.735	0.234691
5203	0	1.423	0.511002	-0.285531	-0.004838	2.733	-0.280644
5203	1.270	0.788175	0.511002	-0.285531	-0.004838	2.370	0.368303
5204	0	0.653135	0.230090	-0.278381	-0.001944	2.370	-0.025412
5204	1.270	0.018162	0.230090	-0.278381	-0.001944	2.016	0.266791
5205	0	-0.060941	0.093575	-0.272696	0.000472	2.016	0.030911
5205	1.270	-0.695914	0.093575	-0.272696	0.000472	1.670	0.149746
5206	0	-0.745401	0.034541	-0.268573	0.002394	1.671	0.024987
5206	1.270	-1.380	0.034541	-0.268573	0.002394	1.330	0.063853
5207	0	-1.404	0.004906	-0.265714	0.003854	1.332	0.011008
5207	1.270	-2.039	0.004906	-0.265714	0.003854	0.994317	0.017238
5208	0	-2.049	-0.015292	-0.263905	0.004883	0.996283	-0.000251
5208	1.270	-2.683	-0.015292	-0.263905	0.004883	0.661137	-0.019670
5209	0	-2.680	-0.026709	-0.262953	0.005434	0.663317	-0.011444
5209	1.270	-3.315	-0.026709	-0.262953	0.005434	0.329381	-0.045363
5210	0	-3.292	-0.021517	-0.263011	0.004963	0.331678	-0.019884
5210	1.270	-3.927	-0.021517	-0.263011	0.004963	-0.002331	-0.047210
5301	0	3.197	0.000468	-0.277679	3.41E-07	3.577	-0.000268
5301	1.270	2.562	0.000468	-0.277679	3.41E-07	3.224	0.000326
5302	0	2.479	0.000224	-0.282066	-1.89E-07	3.219	-1.47E-05
5302	1.270	1.844	0.000224	-0.282066	-1.89E-07	2.861	0.000270
5303	0	1.601	-2.60E-06	-0.285093	-2.72E-07	2.857	0.000142
5303	1.270	0.965871	-2.60E-06	-0.285093	-2.72E-07	2.495	0.000138
5304	0	0.774890	-0.000114	-0.286392	-1.32E-07	2.492	0.000172
5304	1.270	0.139917	-0.000114	-0.286392	-1.32E-07	2.129	2.78E-05
5305	0	0.024617	-0.000147	-0.285995	4.63E-09	2.128	0.000151
5305	1.270	-0.610356	-0.000147	-0.285995	4.63E-09	1.765	-3.54E-05
5306	0	-0.669715	-0.000154	-0.284301	7.81E-08	1.765	0.000129
5306	1.270	-1.305	-0.000154	-0.284301	7.81E-08	1.404	-6.67E-05
5307	0	-1.325	-0.000161	-0.281993	9.76E-08	1.406	0.000117
5307	1.270	-1.960	-0.000161	-0.281993	9.76E-08	1.048	-8.78E-05
5308	0	-1.963	-0.000168	-0.279681	8.31E-08	1.050	0.000103
5308	1.270	-2.598	-0.000168	-0.279681	8.31E-08	0.695052	-0.000110
5309	0	-2.598	-0.000159	-0.277887	4.83E-08	0.698066	7.45E-05
5309	1.270	-3.233	-0.000159	-0.277887	4.83E-08	0.345164	-0.000127
5310	0	-3.230	-0.000110	-0.277144	8.46E-09	0.348508	2.90E-05
5310	1.270	-3.865	-0.000110	-0.277144	8.46E-09	-0.003451	-0.000111
5401	0	3.042	-1.337	-0.300732	0.009669	3.495	2.415
5401	1.270	2.407	-1.337	-0.300732	0.009669	3.113	0.716442
5402	0	2.252	-0.945737	-0.293661	0.007951	3.108	0.966806
5402	1.270	1.617	-0.945737	-0.293661	0.007951	2.735	-0.234233
5403	0	1.420	-0.511317	-0.285546	0.004840	2.733	0.281152
5403	1.270	0.784884	-0.511317	-0.285546	0.004840	2.370	-0.368194

5404	0	0.653135	-0.230377	-0.278376	0.001945	2.370	0.025735
5404	1.270	0.018162	-0.230377	-0.278376	0.001945	2.016	-0.266832
5405	0	-0.060941	-0.093830	-0.272689	-0.000472	2.016	-0.030676
5405	1.270	-0.695914	-0.093830	-0.272689	-0.000472	1.670	-0.149835
5406	0	-0.745401	-0.034795	-0.268575	-0.002394	1.671	-0.024774
5406	1.270	-1.380	-0.034795	-0.268575	-0.002394	1.330	-0.063961
5407	0	-1.404	-0.005168	-0.265715	-0.003854	1.332	-0.010802
5407	1.270	-2.039	-0.005168	-0.265715	-0.003854	0.994313	-0.017365
5408	0	-2.049	0.015017	-0.263917	-0.004883	0.996288	0.000442
5408	1.270	-2.683	0.015017	-0.263917	-0.004883	0.661127	0.013512
5409	0	-2.680	0.026427	-0.262952	-0.005434	0.663315	0.011598
5409	1.270	-3.315	0.026427	-0.262952	-0.005434	0.329381	0.045158
5410	0	-3.292	0.021292	-0.263007	-0.004963	0.331675	0.013962
5410	1.270	-3.927	0.021292	-0.263007	-0.004963	-0.002329	0.047002
5501	0	1.546	-1.148	-0.196291	0.012340	2.792	1.707
5501	1.270	0.910836	-1.148	-0.196291	0.012340	2.542	0.249697
5502	0	1.107	-0.589968	-0.201185	0.008571	2.550	0.492728
5502	1.270	0.472149	-0.589968	-0.201185	0.008571	2.295	-0.256502
5503	0	0.788079	-0.287485	-0.207757	0.004601	2.299	0.123200
5503	1.270	0.153104	-0.287485	-0.207757	0.004601	2.035	-0.236892
5504	0	0.383954	-0.145577	-0.214277	0.001409	2.037	0.034836
5504	1.270	-0.251019	-0.145577	-0.214277	0.001409	1.765	-0.150038
5505	0	-0.113225	-0.074781	-0.220148	-0.000990	1.765	0.010565
5505	1.270	-0.748198	-0.074781	-0.220148	-0.000990	1.485	-0.084403
5506	0	-0.674214	-0.036350	-0.225135	-0.002739	1.484	0.003559
5506	1.270	-1.309	-0.036350	-0.225135	-0.002739	1.198	-0.042604
5507	0	-1.272	-0.012462	-0.229144	-0.003973	1.195	0.001059
5507	1.270	-1.907	-0.012462	-0.229144	-0.003973	0.904415	-0.014767
5508	0	-1.895	0.006541	-0.232105	-0.004770	0.901188	-0.000255
5508	1.270	-2.530	0.006541	-0.232105	-0.004770	0.606428	0.008052
5509	0	-2.535	0.023685	-0.233955	-0.005083	0.602703	0.000770
5509	1.270	-3.170	0.023685	-0.233955	-0.005083	0.305592	0.030849
5510	0	-3.195	0.030901	-0.234274	-0.004391	0.301587	0.006238
5510	1.270	-3.830	0.030901	-0.234274	-0.004391	0.004072	0.045481
11201	0	-0.199623	-9.46E-05	3.304	-3.482	-2.753	-0.006089
11201	0.825	-0.199623	-9.46E-05	3.304	-3.482	-0.026840	-0.006167
11202	0	0.392454	-0.000278	3.446	-3.528	-2.813	-0.002291
11202	0.825	0.392454	-0.000278	3.446	-3.528	0.029721	-0.002520
11203	0	-3.370	-0.000109	-0.203699	-0.006174	-1.22E-06	3.482
11203	0.300	-3.370	-0.000109	-0.203699	-0.006174	-0.061109	3.482
11204	0	3.373	0.000287	0.393359	0.002528	2.36E-06	3.528
11204	0.300	3.373	0.000287	0.393359	0.002528	0.118005	3.528
11205	0	0.928840	1.426	-4.00E-13	-0.003795	-4.80E-18	-0.614360
11205	0.600	0.928840	1.426	-4.00E-13	-0.003795	-2.40E-13	0.241342
11208	0	0.373946	-0.161189	10.395	3.379	0.033144	0.528383
11208	4.500	0.373946	-0.161189	10.395	3.379	46.811	-0.196938
11209	0	0.373951	0.161186	10.396	-3.380	0.032982	-0.528382
11209	4.500	0.373951	0.161186	10.396	-3.380	46.811	0.196926
11210	0	0.329262	-0.043112	11.716	-0.226738	49.324	0.046962
11210	4.500	0.329262	-0.043112	11.716	-0.226738	102.045	-0.147033
11211	0	0.329287	0.043109	11.716	0.226669	49.324	-0.046963
11211	4.500	0.329287	0.043109	11.716	0.226669	102.045	0.147021
11259	0	0.015624	-1.62E-05	1.97E-06	2.86E-05	-0.025970	8.754
11259	4.000	0.015624	-1.62E-05	1.97E-06	2.86E-05	-0.025962	8.754
11260	0	-0.011616	-16.899	0.527894	-153.286	-0.441288	24.328
11260	2.000	-0.011616	-16.899	0.527894	-153.286	0.614457	-9.469
11261	0	-0.011624	16.899	-0.527929	153.286	0.614537	-9.469
11261	2.000	-0.011624	16.899	-0.527929	153.286	-0.441279	24.328
11270	0	1.056	-8.22E-06	33.799	-0.000323	306.573	-8.02E-05
11270	0.200	1.056	-8.22E-06	33.799	-0.000323	313.332	-8.19E-05
11271	0	0.160079	-6.504	-0.018919	-4.143	0.036033	31.456
11271	4.924	0.160079	-6.504	-0.018919	-4.143	-0.057128	-0.569864
11272	0	0.160071	6.504	-0.018922	4.143	0.036042	-31.456
11272	4.924	0.160071	6.504	-0.018922	4.143	-0.057131	0.569901
11273	0	0.184829	-5.183	0.091062	-16.028	-0.253981	-23.105
11273	6.021	0.184829	-5.183	0.091062	-16.028	0.294264	-54.309
11274	0	0.184818	5.183	0.091060	16.028	-0.253970	23.106
11274	6.021	0.184818	5.183	0.091060	16.028	0.294262	54.309
11281	0	0.018010	-6.743	0.191973	-0.463521	-0.008693	6.997
11281	2.310	0.018010	-6.743	0.191973	-0.463521	0.434680	-8.577
11282	0	0.032355	-13.524	0.415052	-1.040	0.431032	0.523093
11282	0.301	0.032355	-13.524	0.415052	-1.040	0.555908	-3.546
11283	0	-0.160655	-3.117	0.042359	-1.276	0.027514	-0.074972
11283	2.000	-0.160655	-3.117	0.042359	-1.276	0.112229	-6.309
11284	0	-0.160659	3.117	-0.042353	1.276	0.112224	-6.309
11284	2.000	-0.160659	3.117	-0.042353	1.276	0.027521	-0.075306
11285	0	0.032348	13.429	-0.415027	1.040	0.555910	-3.532
11285	0.301	0.032348	13.429	-0.415027	1.040	0.431042	0.508107
11286	0	0.018006	6.743	-0.191973	0.463332	0.434683	-8.579

11286	2.310	0.018006	6.743	-0.191973	0.463332	-0.008691	6.995
.							
11301	0	-0.393793	0.000145	3.396	-3.522	-2.793	-0.000306
11301	0.825	-0.393793	0.000145	3.396	-3.522	0.008843	-0.000186
.							
11302	0	0.331643	-4.13E-05	3.402	-3.599	-2.795	0.002020
11302	0.825	0.331643	-4.13E-05	3.402	-3.599	0.011770	0.001986
.							
11303	0	-3.374	0.000149	-0.395304	-0.000208	-2.37E-06	3.522
11303	0.300	-3.374	0.000149	-0.395304	-0.000208	-0.118588	3.522
.							
11304	0	3.373	3.22E-05	0.330022	-0.001991	1.98E-06	3.599
11304	0.300	3.373	3.22E-05	0.330022	-0.001991	0.099004	3.599
.							
11305	0	0.865503	1.329	4.62E-13	-0.002291	5.55E-18	-0.712499
11305	0.600	0.865503	1.329	4.62E-13	-0.002291	2.77E-13	0.084661
.							
11308	0	-0.124974	0.053103	10.393	3.313	-0.025891	-0.173924
11308	4.500	-0.124974	0.053103	10.393	3.313	46.741	0.065030
.							
11309	0	-0.124971	-0.053104	10.393	-3.313	-0.025964	0.173924
11309	4.500	-0.124971	-0.053104	10.393	-3.313	46.741	-0.065034
.							
11310	0	-0.110884	0.014426	11.720	-0.232852	49.308	-0.015685
11310	4.500	-0.110884	0.014426	11.720	-0.232852	102.045	0.049231
.							
11311	0	-0.110875	-0.014427	11.720	0.232815	49.308	0.015684
11311	4.500	-0.110875	-0.014427	11.720	0.232815	102.045	-0.049236
.							
11359	0	-0.004419	6.38E-06	6.69E-07	9.53E-06	0.008541	8.791
11359	4.000	-0.004419	6.38E-06	6.69E-07	9.53E-06	0.008544	8.791
.							
11360	0	0.003878	-16.912	-0.177650	-153.300	0.148433	24.343
11360	2.000	0.003878	-16.912	-0.177650	-153.300	-0.206852	-9.480
.							
11361	0	0.003875	16.912	0.177636	153.300	-0.206821	-9.480
11361	2.000	0.003875	16.912	0.177636	153.300	0.148437	24.343
.							
11370	0	-0.355286	-3.00E-06	33.824	-0.000170	306.600	-3.04E-05
11370	0.200	-0.355286	-3.00E-06	33.824	-0.000170	313.364	-3.10E-05
.							
11371	0	-0.054609	-6.519	0.006812	-4.148	-0.013304	31.481
11371	4.924	-0.054609	-6.519	0.006812	-4.148	0.020241	-0.620665
.							
11372	0	-0.054612	6.519	0.006811	4.148	-0.013300	-31.481
11372	4.924	-0.054612	6.519	0.006811	4.148	0.020240	0.620792
.							
11373	0	-0.062057	-5.192	-0.030675	-16.030	0.085477	-23.064
11373	6.021	-0.062057	-5.192	-0.030675	-16.030	-0.099204	-54.325
.							
11374	0	-0.062062	5.192	-0.030676	16.030	0.085481	23.064
11374	6.021	-0.062062	5.192	-0.030676	16.030	-0.099204	54.325
.							
11381	0	-0.005795	-6.747	-0.061898	-0.433912	0.001780	7.111
11381	2.310	-0.005795	-6.747	-0.061898	-0.433912	-0.141178	-8.472
.							
11382	0	-0.010724	-13.596	-0.137877	-0.974241	-0.142079	0.743118
11382	0.301	-0.010724	-13.596	-0.137877	-0.974241	-0.183562	-3.348
.							

11383	0	0.052950	-3.129	-0.013319	-1.253	-0.009634	0.060586
11383	2.000	0.052950	-3.129	-0.013319	-1.253	-0.036272	-6.198
.							
11384	0	0.052949	3.129	0.013321	1.253	-0.036273	-6.198
11384	2.000	0.052949	3.129	0.013321	1.253	-0.009632	0.060322
.							
11385	0	-0.010726	13.572	0.137875	0.974217	-0.183560	-3.344
11385	0.301	-0.010726	13.572	0.137875	0.974217	-0.142077	0.739048
.							
11386	0	-0.005797	6.747	0.061899	0.433737	-0.141178	-8.474
11386	2.310	-0.005797	6.747	0.061899	0.433737	0.001782	7.110
.							
11401	0	-0.331628	3.65E-05	3.409	-3.599	-2.797	-0.001987
11401	0.825	-0.331628	3.65E-05	3.409	-3.599	0.014493	-0.001957
.							
11402	0	0.393773	-0.000145	3.389	-3.522	-2.790	0.000331
11402	0.825	0.393773	-0.000145	3.389	-3.522	0.005920	0.000212
.							
11403	0	-3.373	3.22E-05	-0.329936	-0.001993	-1.98E-06	3.599
11403	0.300	-3.373	3.22E-05	-0.329936	-0.001993	-0.098979	3.599
.							
11404	0	3.374	0.000149	0.395390	-0.000209	2.37E-06	3.522
11404	0.300	3.374	0.000149	0.395390	-0.000209	0.118614	3.522
.							
11405	0	-0.865500	1.329	-1.37E-12	-0.002290	-1.64E-17	-0.084644
11405	0.600	-0.865500	1.329	-1.37E-12	-0.002290	-8.22E-13	0.712489
.							
11408	0	0.124974	-0.053103	10.393	3.313	-0.025891	0.173924
11408	4.500	0.124974	-0.053103	10.393	3.313	46.741	-0.065030
.							
11409	0	0.124971	0.053104	10.393	-3.313	-0.025964	-0.173924
11409	4.500	0.124971	0.053104	10.393	-3.313	46.741	0.065034
.							
11410	0	0.110884	-0.014426	11.720	-0.232852	49.308	0.015685
11410	4.500	0.110884	-0.014426	11.720	-0.232852	102.045	-0.049231
.							
11411	0	0.110875	0.014427	11.720	0.232815	49.308	-0.015684
11411	4.500	0.110875	0.014427	11.720	0.232815	102.045	0.049236
.							
11459	0	0.004419	6.38E-06	-6.69E-07	9.53E-06	-0.008541	8.791
11459	4.000	0.004419	6.38E-06	-6.69E-07	9.53E-06	-0.008543	8.791
.							
11460	0	-0.003878	-16.912	0.177650	-153.300	-0.148433	24.343
11460	2.000	-0.003878	-16.912	0.177650	-153.300	0.206852	-9.480
.							
11461	0	-0.003875	16.912	-0.177636	153.300	0.206821	-9.480
11461	2.000	-0.003875	16.912	-0.177636	153.300	-0.148437	24.343
.							
11470	0	0.355286	3.00E-06	33.824	-0.000170	306.600	3.04E-05
11470	0.200	0.355286	3.00E-06	33.824	-0.000170	313.364	3.10E-05
.							
11471	0	0.054609	-6.519	-0.006812	-4.148	0.013304	31.481
11471	4.924	0.054609	-6.519	-0.006812	-4.148	-0.020241	-0.620665
.							
11472	0	0.054612	6.519	-0.006811	4.148	0.013300	-31.481
11472	4.924	0.054612	6.519	-0.006811	4.148	-0.020240	0.620792
.							
11473	0	0.062057	-5.192	0.030675	-16.030	-0.085477	-23.064
11473	6.021	0.062057	-5.192	0.030675	-16.030	0.099204	-54.325

.							
11474	0	0.062061	5.192	0.030676	16.030	-0.085481	23.064
11474	6.021	0.062061	5.192	0.030676	16.030	0.099204	54.325
.							
11481	0	0.005795	-6.747	0.061899	-0.433912	-0.001781	7.111
11481	2.310	0.005795	-6.747	0.061899	-0.433912	0.141178	-8.472
.							
11482	0	0.010724	-13.596	0.137880	-0.974241	0.142078	0.743136
11482	0.301	0.010724	-13.596	0.137880	-0.974241	0.183562	-3.348
.							
11483	0	-0.052950	-3.129	0.013319	-1.253	0.009634	0.060588
11483	2.000	-0.052950	-3.129	0.013319	-1.253	0.036272	-6.198
.							
11484	0	-0.052949	3.129	-0.013321	1.253	0.036273	-6.198
11484	2.000	-0.052949	3.129	-0.013321	1.253	0.009632	0.060323
.							
11485	0	0.010726	13.573	-0.137878	0.974217	0.183560	-3.344
11485	0.301	0.010726	13.573	-0.137878	0.974217	0.142077	0.739072
.							
11486	0	0.005797	6.747	-0.061900	0.433737	0.141178	-8.474
11486	2.310	0.005797	6.747	-0.061900	0.433737	-0.001783	7.110
.							
11501	0	-0.392402	0.000277	3.450	-3.528	-2.815	0.002318
11501	0.825	-0.392402	0.000277	3.450	-3.528	0.031588	0.002546
.							
11502	0	0.199645	0.000106	3.446	-3.482	-2.811	0.006087
11502	0.825	0.199645	0.000106	3.446	-3.482	0.031775	0.006175
.							
11503	0	-3.373	0.000287	-0.393514	0.002522	-2.36E-06	3.528
11503	0.300	-3.373	0.000287	-0.393514	0.002522	-0.118052	3.528
.							
11504	0	3.370	-0.000109	0.197496	-0.006180	1.18E-06	3.482
11504	0.300	3.370	-0.000109	0.197496	-0.006180	0.059248	3.482
.							
11505	0	-0.928830	1.426	-1.37E-12	-0.003789	-1.64E-17	-0.241323
11505	0.600	-0.928830	1.426	-1.37E-12	-0.003789	-8.22E-13	0.614359
.							
11508	0	-0.373945	0.161188	10.395	3.379	0.033144	-0.528382
11508	4.500	-0.373945	0.161188	10.395	3.379	46.811	0.196937
.							
11509	0	-0.373951	-0.161186	10.396	-3.380	0.032982	0.528380
11509	4.500	-0.373951	-0.161186	10.396	-3.380	46.811	-0.196926
.							
11510	0	-0.329261	0.043111	11.716	-0.226738	49.324	-0.046961
11510	4.500	-0.329261	0.043111	11.716	-0.226738	102.045	0.147032
.							
11511	0	-0.329287	-0.043109	11.716	0.226669	49.324	0.046963
11511	4.500	-0.329287	-0.043109	11.716	0.226669	102.045	-0.147021
.							
11559	0	-0.015624	-1.62E-05	-1.97E-06	2.86E-05	0.025970	8.754
11559	4.000	-0.015624	-1.62E-05	-1.97E-06	2.86E-05	0.025962	8.754
.							
11560	0	0.011616	-16.899	-0.527893	-153.286	0.441287	24.328
11560	2.000	0.011616	-16.899	-0.527893	-153.286	-0.614455	-9.469
.							
11561	0	0.011624	16.899	0.527928	153.286	-0.614536	-9.469
11561	2.000	0.011624	16.899	0.527928	153.286	0.441278	24.328
.							
11570	0	-1.056	8.22E-06	33.799	-0.000323	306.573	8.02E-05
11570	0.200	-1.056	8.22E-06	33.799	-0.000323	313.332	8.19E-05
.							
11571	0	-0.160079	-6.504	0.018919	-4.143	-0.036033	31.456
11571	4.924	-0.160079	-6.504	0.018919	-4.143	0.057128	-0.569866
.							
11572	0	-0.160071	6.504	0.018921	4.143	-0.036042	-31.456
11572	4.924	-0.160071	6.504	0.018921	4.143	0.057131	0.569899
.							
11573	0	-0.184829	-5.183	-0.091062	-16.028	0.253981	-23.105
11573	6.021	-0.184829	-5.183	-0.091062	-16.028	-0.294263	-54.309
.							
11574	0	-0.184817	5.183	-0.091060	16.028	0.253969	23.106
11574	6.021	-0.184817	5.183	-0.091060	16.028	-0.294262	54.309
.							
11581	0	-0.018010	-6.743	-0.191972	-0.463516	0.008693	6.997
11581	2.310	-0.018010	-6.743	-0.191972	-0.463516	-0.434679	-8.577
.							
11582	0	-0.032355	-13.525	-0.415045	-1.040	-0.431032	0.523140
11582	0.301	-0.032355	-13.525	-0.415045	-1.040	-0.555906	-3.546
.							
11583	0	0.160655	-3.117	-0.042359	-1.276	-0.027514	-0.074962
11583	2.000	0.160655	-3.117	-0.042359	-1.276	-0.112229	-6.309
.							
11584	0	0.160659	3.117	0.042353	1.276	-0.112223	-6.309
11584	2.000	0.160659	3.117	0.042353	1.276	-0.027521	-0.075296
.							
11585	0	-0.032348	13.531	0.415021	1.040	-0.555909	-3.548
11585	0.301	-0.032348	13.531	0.415021	1.040	-0.431042	0.523473
.							
11586	0	-0.018006	6.743	0.191972	0.463332	-0.434681	-8.579
11586	2.310	-0.018006	6.743	0.191972	0.463332	0.008690	6.995
.							
12201	0	-0.301150	7.72E-05	3.383	-4.526	-3.504	-0.001521
12201	1.036	-0.301150	7.72E-05	3.383	-4.526	0.000463	-0.001441
.							
12202	0	0.524613	-0.000211	3.407	-4.572	-3.519	-0.002001
12202	1.036	0.524613	-0.000211	3.407	-4.572	0.010062	-0.002220
.							
12203	0	-3.382	7.44E-05	-0.301834	-0.001438	-1.81E-06	4.526
12203	0.300	-3.382	7.44E-05	-0.301834	-0.001438	-0.090549	4.526
.							
12204	0	3.387	0.000211	0.525681	0.002220	3.15E-06	4.572
12204	0.300	3.387	0.000211	0.525681	0.002220	0.157701	4.572
.							
12205	0	0.897175	1.406	-3.82E-13	0.000810	-4.59E-18	-0.651996
12205	0.600	0.897175	1.406	-3.82E-13	0.000810	-2.29E-13	0.191811
.							
12301	0	-0.522534	0.000162	3.379	-4.562	-3.505	0.000678
12301	1.036	-0.522534	0.000162	3.379	-4.562	-0.004613	0.000845
.							
12302	0	0.446435	-0.000127	3.388	-4.640	-3.509	-0.001588
12302	1.036	0.446435	-0.000127	3.388	-4.640	0.000755	-0.001719
.							
12303	0	-3.388	0.000163	-0.522970	0.000821	-3.14E-06	4.562
12303	0.300	-3.388	0.000163	-0.522970	0.000821	-0.156887	4.562
.							
12304	0	3.387	0.000126	0.445791	0.001718	2.67E-06	4.640
12304	0.300	3.387	0.000126	0.445791	0.001718	0.133734	4.640
.							

12305	0	0.633295	1.328	4.65E-13	0.002876	5.58E-18	-0.785690
12305	0.600	0.633295	1.328	4.65E-13	0.002876	2.79E-13	0.011115
.							
12401	0	-0.446416	0.000128	3.394	-4.640	-3.512	0.001619
12401	1.036	-0.446416	0.000128	3.394	-4.640	0.003453	0.001751
.							
12402	0	0.522512	-0.000164	3.374	-4.562	-3.503	-0.000650
12402	1.036	0.522512	-0.000164	3.374	-4.562	-0.007335	-0.000820
.							
12403	0	-3.387	0.000126	-0.445737	0.001716	-2.67E-06	4.640
12403	0.300	-3.387	0.000126	-0.445737	0.001716	-0.133718	4.640
.							
12404	0	3.388	0.000163	0.523024	0.000819	3.14E-06	4.562
12404	0.300	3.388	0.000163	0.523024	0.000819	0.156904	4.562
.							
12405	0	-0.633293	1.328	-1.36E-12	0.002878	-1.63E-17	-0.011113
12405	0.600	-0.633293	1.328	-1.36E-12	0.002878	-8.17E-13	0.785690
.							
12501	0	-0.524624	0.000212	3.411	-4.572	-3.521	0.002027
12501	1.036	-0.524624	0.000212	3.411	-4.572	0.012056	0.002246
.							
12502	0	0.301109	-7.46E-05	3.388	-4.526	-3.507	0.001522
12502	1.036	0.301109	-7.46E-05	3.388	-4.526	0.002898	0.001445
.							
12503	0	-3.387	0.000211	-0.528038	0.002213	-3.17E-06	4.572
12503	0.300	-3.387	0.000211	-0.528038	0.002213	-0.158408	4.572
.							
12504	0	3.382	7.44E-05	0.302128	-0.001445	1.81E-06	4.526
12504	0.300	3.382	7.44E-05	0.302128	-0.001445	0.090636	4.526
.							
12505	0	-0.897165	1.406	-1.36E-12	0.000818	-1.63E-17	-0.191807
12505	0.600	-0.897165	1.406	-1.36E-12	0.000818	-8.17E-13	0.652002
.							
13201	0	-0.270211	-8.17E-07	3.374	0.000133	-3.579	9.87E-08
13201	1.059	-0.270211	-8.17E-07	3.374	0.000133	-0.005154	-7.67E-07
.							
13202	0	0.493410	-8.09E-07	3.376	0.000153	-3.582	2.21E-08
13202	1.059	0.493410	-8.09E-07	3.376	0.000153	-0.007455	-8.35E-07
.							
13203	0	-3.384	-8.18E-07	-0.270582	-7.68E-07	-1.62E-06	-0.000133
13203	0.300	-3.384	-8.18E-07	-0.270582	-7.68E-07	-0.081173	-0.000133
.							
13204	0	3.390	8.10E-07	0.494643	8.35E-07	2.97E-06	-0.000153
13204	0.300	3.390	8.10E-07	0.494643	8.35E-07	0.148390	-0.000153
.							
13205	0	0.876065	0.000506	-3.76E-13	8.27E-08	-4.52E-18	-4.96E-05
13205	0.600	0.876065	0.000506	-3.76E-13	8.27E-08	-2.26E-13	0.000254
.							
13301	0	-0.494866	-3.04E-07	3.351	0.000148	-3.569	9.28E-08
13301	1.059	-0.494866	-3.04E-07	3.351	0.000148	-0.021026	-2.29E-07
.							
13302	0	0.416135	-3.01E-07	3.395	0.000164	-3.592	4.74E-08
13302	1.059	0.416135	-3.01E-07	3.395	0.000164	0.002946	-2.71E-07
.							
13303	0	-3.390	-3.09E-07	-0.494073	-2.31E-07	-2.96E-06	-0.000148
13303	0.300	-3.390	-3.09E-07	-0.494073	-2.31E-07	-0.148219	-0.000149
.							
13304	0	3.389	2.99E-07	0.414725	2.70E-07	2.49E-06	-0.000164
13304	0.300	3.389	2.99E-07	0.414725	2.70E-07	0.124415	-0.000164
.							
13305	0	0.612185	0.000420	4.61E-13	4.94E-08	5.53E-18	-4.50E-05
13305	0.600	0.612185	0.000420	4.61E-13	4.94E-08	2.76E-13	0.000207
.							
13401	0	-0.416172	2.97E-07	3.400	0.000164	-3.595	-4.62E-08
13401	1.059	-0.416172	2.97E-07	3.400	0.000164	0.005656	2.68E-07
.							
13402	0	0.494859	3.15E-07	3.346	0.000148	-3.567	-9.95E-08
13402	1.059	0.494859	3.15E-07	3.346	0.000148	-0.023747	2.34E-07
.							
13403	0	-3.389	2.99E-07	-0.414639	2.70E-07	-2.49E-06	-0.000164
13403	0.300	-3.389	2.99E-07	-0.414639	2.70E-07	-0.124389	-0.000164
.							
13404	0	3.390	-3.09E-07	0.494159	-2.31E-07	2.96E-06	-0.000148
13404	0.300	3.390	-3.09E-07	0.494159	-2.31E-07	0.148244	-0.000149
.							
13405	0	-0.612183	0.000420	-1.35E-12	4.93E-08	-1.62E-17	-0.000207
13405	0.600	-0.612183	0.000420	-1.35E-12	4.93E-08	-8.08E-13	4.50E-05
.							
13501	0	-0.493373	8.16E-07	3.380	0.000153	-3.584	-2.68E-08
13501	1.059	-0.493373	8.16E-07	3.380	0.000153	-0.005434	8.38E-07
.							
13502	0	0.270182	8.09E-07	3.379	0.000133	-3.581	-9.45E-08
13502	1.059	0.270182	8.09E-07	3.379	0.000133	-0.002631	7.63E-07
.							
13503	0	-3.390	8.10E-07	-0.495126	8.35E-07	-2.97E-06	-0.000153
13503	0.300	-3.390	8.10E-07	-0.495126	8.35E-07	-0.148534	-0.000153
.							
13504	0	3.384	-8.18E-07	0.269645	-7.67E-07	1.62E-06	-0.000133
13504	0.300	3.384	-8.18E-07	0.269645	-7.67E-07	0.080892	-0.000133
.							
13505	0	-0.876055	0.000506	-1.35E-12	8.25E-08	-1.62E-17	-0.000254
13505	0.600	-0.876055	0.000506	-1.35E-12	8.25E-08	-8.09E-13	4.97E-05
.							
14201	0	-0.301102	-7.76E-05	3.376	4.527	-3.501	0.001519
14201	1.036	-0.301102	-7.76E-05	3.376	4.527	-0.003119	0.001439
.							
14202	0	0.524661	0.000209	3.398	4.573	-3.515	0.002002
14202	1.036	0.524661	0.000209	3.398	4.573	0.005394	0.002219
.							
14203	0	-3.382	-7.61E-05	-0.304824	0.001436	-1.83E-06	-4.527
14203	0.300	-3.382	-7.61E-05	-0.304824	0.001436	-0.091445	-4.527
.							
14204	0	3.387	-0.000210	0.524891	-0.002219	3.15E-06	-4.573
14204	0.300	3.387	-0.000210	0.524891	-0.002219	0.157464	-4.573
.							
14205	0	0.897175	-1.405	-3.82E-13	-0.000812	-4.59E-18	0.651787
14205	0.600	0.897175	-1.405	-3.82E-13	-0.000812	-2.29E-13	-0.190992
.							
14301	0	-0.522534	-0.000163	3.370	4.563	-3.501	-0.000678
14301	1.036	-0.522534	-0.000163	3.370	4.563	-0.009210	-0.000847
.							
14302	0	0.446435	0.000125	3.379	4.641	-3.504	0.001588
14302	1.036	0.446435	0.000125	3.379	4.641	-0.004259	0.001718
.							
14303	0	-3.388	-0.000163	-0.522109	-0.000822	-3.13E-06	-4.563
14303	0.300	-3.388	-0.000163	-0.522109	-0.000822	-0.156629	-4.563
.							
14304	0	3.387	-0.000126	0.445553	-0.001718	2.67E-06	-4.641

14304	0.300	3.387	-0.000126	0.445553	-0.001718	0.133663	-4.641
.							
14305	0	0.633295	-1.327	4.65E-13	-0.002877	5.58E-18	0.785503
14305	0.600	0.633295	-1.327	4.65E-13	-0.002877	2.79E-13	-0.010375
.							
14401	0	-0.446416	-0.000126	3.384	4.641	-3.507	-0.001620
14401	1.036	-0.446416	-0.000126	3.384	4.641	-0.001537	-0.001750
.							
14402	0	0.522560	0.000163	3.365	4.563	-3.498	0.000652
14402	1.036	0.522560	0.000163	3.365	4.563	-0.011956	0.000821
.							
14403	0	-3.387	-0.000126	-0.445499	-0.001716	-2.67E-06	-4.641
14403	0.300	-3.387	-0.000126	-0.445499	-0.001716	-0.133647	-4.641
.							
14404	0	3.388	-0.000163	0.522162	-0.000821	3.13E-06	-4.563
14404	0.300	3.388	-0.000163	0.522162	-0.000821	0.156645	-4.563
.							
14405	0	-0.633293	-1.327	-1.36E-12	-0.002879	-1.63E-17	0.010375
14405	0.600	-0.633293	-1.327	-1.36E-12	-0.002879	-8.17E-13	-0.785506
.							
14501	0	-0.524624	-0.000210	3.402	4.573	-3.517	-0.002028
14501	1.036	-0.524624	-0.000210	3.402	4.573	0.007376	-0.002245
.							
14502	0	0.301109	7.39E-05	3.381	4.527	-3.503	-0.001520
14502	1.036	0.301109	7.39E-05	3.381	4.527	-0.000684	-0.001444
.							
14503	0	-3.387	-0.000210	-0.523950	-0.002212	-3.14E-06	-4.573
14503	0.300	-3.387	-0.000210	-0.523950	-0.002212	-0.157181	-4.573
.							
14504	0	3.382	-7.61E-05	0.301819	0.001443	1.81E-06	-4.527
14504	0.300	3.382	-7.61E-05	0.301819	0.001443	0.090544	-4.527
.							
14505	0	-0.897165	-1.405	-1.36E-12	-0.000820	-1.63E-17	0.190989
14505	0.600	-0.897165	-1.405	-1.36E-12	-0.000820	-8.17E-13	-0.651794
.							
15201	0	-0.199623	9.39E-05	3.394	3.481	-2.790	0.006088
15201	0.825	-0.199623	9.39E-05	3.394	3.481	0.010368	0.006166
.							
15202	0	0.392454	0.000284	3.393	3.527	-2.791	0.002289
15202	0.825	0.392454	0.000284	3.393	3.527	0.008090	0.002523
.							
15203	0	-3.370	0.000108	-0.202325	0.006171	-1.21E-06	-3.481
15203	0.300	-3.370	0.000108	-0.202325	0.006171	-0.060696	-3.481
.							
15204	0	3.373	-0.000286	0.394733	-0.002528	2.37E-06	-3.527
15204	0.300	3.373	-0.000286	0.394733	-0.002528	0.118418	-3.527
.							
15205	0	0.928840	-1.428	-4.00E-13	0.003793	-4.80E-18	0.615358
15205	0.600	0.928840	-1.428	-4.00E-13	0.003793	-2.40E-13	-0.241665
.							
15301	0	-0.393793	-0.000143	3.286	3.521	-2.747	0.000304
15301	0.825	-0.393793	-0.000143	3.286	3.521	-0.036343	0.000186
.							
15302	0	0.331643	3.41E-05	3.444	3.599	-2.812	-0.002017
15302	0.825	0.331643	3.41E-05	3.444	3.599	0.029133	-0.001989
.							
15303	0	-3.374	-0.000149	-0.394153	0.000206	-2.36E-06	-3.521
15303	0.300	-3.374	-0.000149	-0.394153	0.000206	-0.118243	-3.521
.							

15304	0	3.373	-3.16E-05	0.330073	0.001991	1.98E-06	-3.599
15304	0.300	3.373	-3.16E-05	0.330073	0.001991	0.099020	-3.599
.							
15305	0	0.865503	-1.331	4.62E-13	0.002289	5.55E-18	0.713453
15305	0.600	0.865503	-1.331	4.62E-13	0.002289	2.77E-13	-0.084873
.							
15401	0	-0.331628	-3.76E-05	3.451	3.599	-2.815	0.001987
15401	0.825	-0.331628	-3.76E-05	3.451	3.599	0.031877	0.001956
.							
15402	0	0.393773	0.000143	3.279	3.521	-2.744	-0.000329
15402	0.825	0.393773	0.000143	3.279	3.521	-0.033267	-0.000211
.							
15403	0	-3.373	-3.16E-05	-0.329987	0.001993	-1.98E-06	-3.599
15403	0.300	-3.373	-3.16E-05	-0.329987	0.001993	-0.099994	-3.599
.							
15404	0	3.374	-0.000149	0.394239	0.000208	2.37E-06	-3.521
15404	0.300	3.374	-0.000149	0.394239	0.000208	0.118269	-3.521
.							
15405	0	-0.865500	-1.331	-1.37E-12	0.002288	-1.64E-17	0.084863
15405	0.600	-0.865500	-1.331	-1.37E-12	0.002288	-8.22E-13	-0.713450
.							
15501	0	-0.392462	-0.000284	3.398	3.527	-2.793	-0.002315
15501	0.825	-0.392462	-0.000284	3.398	3.527	0.009949	-0.002550
.							
15502	0	0.199645	-0.000106	3.401	3.481	-2.793	-0.006086
15502	0.825	0.199645	-0.000106	3.401	3.481	0.013067	-0.006173
.							
15503	0	-3.373	-0.000286	-0.389391	-0.002521	-2.34E-06	-3.527
15503	0.300	-3.373	-0.000286	-0.389391	-0.002521	-0.116815	-3.527
.							
15504	0	3.370	0.000108	0.196122	0.006178	1.18E-06	-3.481
15504	0.300	3.370	0.000108	0.196122	0.006178	0.059835	-3.481
.							
15505	0	-0.928830	-1.428	-1.37E-12	0.003787	-1.64E-17	0.241649
15505	0.600	-0.928830	-1.428	-1.37E-12	0.003787	-8.22E-13	-0.615360
.							
21101	0	-0.030533	0.046033	0.003379	-0.004074	-0.004391	-0.045658
21101	2.300	-0.030533	0.046033	0.003379	-0.004074	0.003381	0.060213
.							
21111	0	0.007322	0.023959	-0.000318	-0.003996	-0.000692	-0.024898
21111	2.300	0.007322	0.023959	-0.000318	-0.003996	-0.001423	0.030205
.							
21121	0	0.017145	0.007043	-0.001852	-0.003717	0.000313	-0.007616
21121	2.300	0.017145	0.007043	-0.001852	-0.003717	-0.003947	0.008582
.							
21131	0	0.018983	-0.012510	-0.002967	-0.003224	0.000797	0.014403
21131	2.300	0.018983	-0.012510	-0.002967	-0.003224	-0.006027	-0.014369
.							
21141	0	0.023873	-0.037748	-0.003996	-0.002481	0.001233	0.043766
21141	2.300	0.023873	-0.037748	-0.003996	-0.002481	-0.007956	-0.043051
.							
21151	0	0.038425	-0.075163	-0.004980	-0.001433	0.001748	0.087673
21151	2.300	0.038425	-0.075163	-0.004980	-0.001433	-0.009706	-0.085195
.							
21161	0	0.070794	-0.136921	-0.005872	-5.01E-06	0.002398	0.160513
21161	2.300	0.070794	-0.136921	-0.005872	-5.01E-06	-0.011107	-0.154392
.							
21171	0	0.141826	-0.229144	-0.006527	0.001901	0.003191	0.271593
21171	2.300	0.141826	-0.229144	-0.006527	0.001901	-0.011821	-0.255417

.							
21181	0	0.301993	-0.317223	-0.006581	0.004408	0.003971	0.384318
21181	2.300	0.301993	-0.317223	-0.006581	0.004408	-0.011165	-0.345266
.							
21191	0	0.556511	-0.195197	-0.004886	0.007661	0.003774	0.243068
21191	2.300	0.556511	-0.195197	-0.004886	0.007661	-0.007463	-0.205868
.							
21201	0	-0.052034	-0.004351	0.001031	-0.001732	-0.001581	0.012867
21201	2.300	-0.052034	-0.004351	0.001031	-0.001732	0.000791	0.002860
.							
21211	0	0.002130	-0.000139	-0.000372	-0.001681	-0.001894	0.004752
21211	2.300	0.002130	-0.000139	-0.000372	-0.001681	-0.002749	0.004431
.							
21221	0	0.028563	0.001386	-0.000900	-0.001518	-0.003396	0.000226
21221	2.300	0.028563	0.001386	-0.000900	-0.001518	-0.005466	0.003414
.							
21231	0	0.039181	-0.002022	-0.001154	-0.001235	-0.004999	0.003172
21231	2.300	0.039181	-0.002022	-0.001154	-0.001235	-0.007653	-0.001477
.							
21241	0	0.053509	-0.011113	-0.001152	-0.000824	-0.006497	0.015004
21241	2.300	0.053509	-0.011113	-0.001152	-0.000824	-0.009146	-0.010554
.							
21251	0	0.097459	-0.028335	-0.000841	-0.000283	-0.007784	0.039389
21251	2.300	0.097459	-0.028335	-0.000841	-0.000283	-0.009718	-0.025779
.							
21261	0	0.207310	-0.057310	-0.000211	0.000382	-0.008691	0.081525
21261	2.300	0.207310	-0.057310	-0.000211	0.000382	-0.009177	-0.050283
.							
21271	0	0.422737	-0.096547	0.000651	0.001141	-0.008928	0.138423
21271	2.300	0.422737	-0.096547	0.000651	0.001141	-0.007431	-0.083626
.							
21281	0	0.736678	-0.120328	0.001524	0.001941	-0.008054	0.170037
21281	2.300	0.736678	-0.120328	0.001524	0.001941	-0.004550	-0.106706
.							
21291	0	0.949215	-0.042716	0.002195	0.002700	-0.005740	0.045048
21291	2.300	0.949215	-0.042716	0.002195	0.002700	-0.000692	-0.053194
.							
21301	0	-0.052145	0.004449	-0.001031	0.001732	0.000791	0.002755
21301	2.300	-0.052145	0.004449	-0.001031	0.001732	-0.001581	0.012988
.							
21311	0	0.002081	0.000275	0.000372	0.001681	-0.002749	0.004282
21311	2.300	0.002081	0.000275	0.000372	0.001681	-0.001894	0.004913
.							
21321	0	0.028554	-0.001231	0.000900	0.001518	-0.005466	0.003239
21321	2.300	0.028554	-0.001231	0.000900	0.001518	-0.003396	0.000408
.							
21331	0	0.039187	0.002175	0.001154	0.001235	-0.007653	-0.001652
21331	2.300	0.039187	0.002175	0.001154	0.001235	-0.004999	0.003349
.							
21341	0	0.053515	0.011477	0.001151	0.000824	-0.009146	-0.010972
21341	2.300	0.053515	0.011477	0.001151	0.000824	-0.006498	0.015423
.							
21351	0	0.097466	0.028441	0.000840	0.000283	-0.009718	-0.025900
21351	2.300	0.097466	0.028441	0.000840	0.000283	-0.007785	0.039512
.							
21361	0	0.207343	0.057368	0.000211	-0.000382	-0.009177	-0.050344
21361	2.300	0.207343	0.057368	0.000211	-0.000382	-0.008692	0.081597
.							
21371	0	0.422848	0.096518	-0.000651	-0.001141	-0.007431	-0.083582
21371	2.300	0.422848	0.096518	-0.000651	-0.001141	-0.008928	0.138400
.							
21381	0	0.736905	0.120149	-0.001523	-0.001941	-0.004550	-0.106493
21381	2.300	0.736905	0.120149	-0.001523	-0.001941	-0.008052	0.169840
.							
21391	0	0.949459	0.042576	-0.002194	-0.002700	-0.000692	-0.053048
21391	2.300	0.949459	0.042576	-0.002194	-0.002700	-0.005737	0.044873
.							
21401	0	-0.030872	-0.045849	-0.003379	0.004074	0.003381	0.060027
21401	2.300	-0.030872	-0.045849	-0.003379	0.004074	-0.004391	-0.045421
.							
21411	0	0.007216	-0.023759	0.000318	0.003996	-0.001423	0.029994
21411	2.300	0.007216	-0.023759	0.000318	0.003996	-0.000692	-0.024649
.							
21421	0	0.017144	-0.006866	0.001852	0.003718	-0.003947	0.008383
21421	2.300	0.017144	-0.006866	0.001852	0.003718	0.000312	-0.007407
.							
21431	0	0.019003	0.012666	0.002968	0.003225	-0.006028	-0.014549
21431	2.300	0.019003	0.012666	0.002968	0.003225	0.000797	0.014582
.							
21441	0	0.023888	0.037652	0.003996	0.002481	-0.007958	-0.042942
21441	2.300	0.023888	0.037652	0.003996	0.002481	0.001233	0.043654
.							
21451	0	0.038431	0.075496	0.004981	0.001433	-0.009707	-0.085580
21451	2.300	0.038431	0.075496	0.004981	0.001433	0.001749	0.088053
.							
21461	0	0.070795	0.136993	0.005873	4.67E-06	-0.011109	-0.154475
21461	2.300	0.070795	0.136993	0.005873	4.67E-06	0.002398	0.160597
.							
21471	0	0.141909	0.229192	0.006528	-0.001902	-0.011822	-0.255454
21471	2.300	0.141909	0.229192	0.006528	-0.001902	0.003192	0.271667
.							
21481	0	0.302483	0.317474	0.006580	-0.004410	-0.011163	-0.345485
21481	2.300	0.302483	0.317474	0.006580	-0.004410	0.003970	0.384675
.							
21491	0	0.557849	0.195000	0.004880	-0.007662	-0.007455	-0.205561
21491	2.300	0.557849	0.195000	0.004880	-0.007662	0.003769	0.242922
.							
21501	0	0.279766	0.896258	0.003336	0.011809	-0.002465	-1.157
21501	2.300	0.279766	0.896258	0.003336	0.011809	0.005207	0.904726
.							
21601	0	0.347834	0.345135	0.003738	0.003321	-0.003760	-0.553851
21601	2.300	0.347834	0.345135	0.003738	0.003321	0.004837	0.239926
.							
21701	0	0.347871	-0.345569	-0.003738	-0.003321	0.004837	0.240397
21701	2.300	0.347871	-0.345569	-0.003738	-0.003321	-0.003760	-0.554380
.							
21801	0	0.280459	-0.897278	-0.003335	-0.011798	0.005206	0.905528
21801	2.300	0.280459	-0.897278	-0.003335	-0.011798	-0.002465	-1.158
.							
22101	0	-0.287307	1.228	-0.002234	0.008430	0.004101	-1.588
22101	2.300	-0.287307	1.228	-0.002234	0.008430	-0.001037	1.237
.							
22111	0	-0.581181	-0.281552	0.005852	0.003503	-0.003556	0.349619
22111	2.300	-0.581181	-0.281552	0.005852	0.003503	0.009904	-0.297925
.							
22121	0	-0.285809	-0.377587	0.006136	-1.09E-05	-0.003524	0.454579
22121	2.300	-0.285809	-0.377587	0.006136	-1.09E-05	0.010588	-0.413836
.							

22131	0	-0.124328	-0.255778	0.004537	-0.002336	-0.002343	0.301605
22131	2.300	-0.124328	-0.255778	0.004537	-0.002336	0.008091	-0.286662
.							
22141	0	-0.048043	-0.166076	0.002379	-0.003651	-0.001120	0.194575
22141	2.300	-0.048043	-0.166076	0.002379	-0.003651	0.004352	-0.187384
.							
22151	0	0.002042	-0.138052	6.07E-05	-0.004064	3.26E-05	0.161540
22151	2.300	0.002042	-0.138052	6.07E-05	-0.004064	0.000172	-0.155968
.							
22161	0	0.050553	-0.168782	-0.002241	-0.003612	0.001186	0.197183
22161	2.300	0.050553	-0.168782	-0.002241	-0.003612	-0.003967	-0.191000
.							
22171	0	0.120534	-0.258749	-0.004347	-0.002259	0.002416	0.303618
22171	2.300	0.120534	-0.258749	-0.004347	-0.002259	-0.007583	-0.291482
.							
22181	0	0.263700	-0.380187	-0.005865	0.000101	0.003622	0.453972
22181	2.300	0.263700	-0.380187	-0.005865	0.000101	-0.009867	-0.420422
.							
22191	0	0.522265	-0.315494	-0.005496	0.003642	0.003759	0.383769
22191	2.300	0.522265	-0.315494	-0.005496	0.003642	-0.008880	-0.341838
.							
22201	0	-0.349491	0.470332	-0.005097	0.002034	0.006461	-0.755615
22201	2.300	-0.349491	0.470332	-0.005097	0.002034	-0.005261	0.326105
.							
22211	0	-1.015	-0.073748	-0.004021	0.001284	0.007444	0.085576
22211	2.300	-1.015	-0.073748	-0.004021	0.001284	-0.001803	-0.084038
.							
22221	0	-0.726412	-0.153770	-0.003243	0.000437	0.007604	0.217557
22221	2.300	-0.726412	-0.153770	-0.003243	0.000437	0.000146	-0.136100
.							
22231	0	-0.373849	-0.115043	-0.002116	-0.000316	0.005949	0.164294
22231	2.300	-0.373849	-0.115043	-0.002116	-0.000316	0.001082	-0.100294
.							
22241	0	-0.141454	-0.075064	-0.000975	-0.000828	0.003263	0.105325
22241	2.300	-0.141454	-0.075064	-0.000975	-0.000828	0.001020	-0.067315
.							
22251	0	0.005283	-0.060990	6.60E-05	-0.001012	0.000176	0.083751
22251	2.300	0.005283	-0.060990	6.60E-05	-0.001012	0.000328	-0.056520
.							
22261	0	0.145626	-0.075646	0.001077	-0.000841	-0.002874	0.104271
22261	2.300	0.145626	-0.075646	0.001077	-0.000841	-0.000398	-0.069707
.							
22271	0	0.356386	-0.114707	0.002124	-0.000345	-0.005449	0.160010
22271	2.300	0.356386	-0.114707	0.002124	-0.000345	-0.000564	-0.103807
.							
22281	0	0.670041	-0.153089	0.003094	0.000389	-0.006923	0.211166
22281	2.300	0.670041	-0.153089	0.003094	0.000389	0.000191	-0.140925
.							
22291	0	0.923196	-0.087229	0.003681	0.001217	-0.006564	0.099204
22291	2.300	0.923196	-0.087229	0.003681	0.001217	0.001902	-0.101414
.							
22301	0	-0.349586	-0.470917	0.005097	-0.002034	-0.005262	0.326740
22301	2.300	-0.349586	-0.470917	0.005097	-0.002034	0.006461	-0.756327
.							
22311	0	-1.015	0.073352	0.004019	-0.001284	-0.001802	-0.083599
22311	2.300	-1.015	0.073352	0.004019	-0.001284	0.007440	0.085104
.							
22321	0	-0.726660	0.153659	0.003242	-0.000437	0.000146	-0.135957
22321	2.300	-0.726660	0.153659	0.003242	-0.000437	0.007602	0.217445
.							
22331	0	-0.373947	0.115109	0.002116	0.000316	0.001082	-0.100356
22331	2.300	-0.373947	0.115109	0.002116	0.000316	0.005949	0.164386
.							
22341	0	-0.141473	0.075205	0.000975	0.000828	0.001020	-0.067472
22341	2.300	-0.141473	0.075205	0.000975	0.000828	0.003263	0.105494
.							
22351	0	0.005286	0.061149	-6.60E-05	0.001012	0.000328	-0.056701
22351	2.300	0.005286	0.061149	-6.60E-05	0.001012	0.000176	0.083936
.							
22361	0	0.145648	0.075786	-0.001077	0.000841	-0.000398	-0.069863
22361	2.300	0.145648	0.075786	-0.001077	0.000841	-0.002875	0.104438
.							
22371	0	0.356483	0.115093	-0.002124	0.000345	-0.000564	-0.104237
22371	2.300	0.356483	0.115093	-0.002124	0.000345	-0.005449	0.160467
.							
22381	0	0.670271	0.152998	-0.003093	-0.000389	0.000191	-0.140809
22381	2.300	0.670271	0.152998	-0.003093	-0.000389	-0.006922	0.211073
.							
22391	0	0.923470	0.086902	-0.003679	-0.001217	0.001902	-0.101057
22391	2.300	0.923470	0.086902	-0.003679	-0.001217	-0.006560	0.098809
.							
22401	0	-0.288285	-1.230	0.002233	-0.008416	-0.001036	1.238
22401	2.300	-0.288285	-1.230	0.002233	-0.008416	0.004100	-1.590
.							
22411	0	-0.582672	0.281771	-0.005847	-0.003503	0.009896	-0.298046
22411	2.300	-0.582672	0.281771	-0.005847	-0.003503	-0.003550	0.350002
.							
22421	0	-0.286245	0.378041	-0.006135	9.42E-06	0.010586	-0.414279
22421	2.300	-0.286245	0.378041	-0.006135	9.42E-06	-0.003524	0.455181
.							
22431	0	-0.124375	0.256238	-0.004537	0.002336	0.008091	-0.287177
22431	2.300	-0.124375	0.256238	-0.004537	0.002336	-0.002344	0.302148
.							
22441	0	-0.048034	0.166543	-0.002380	0.003651	0.004352	-0.187924
22441	2.300	-0.048034	0.166543	-0.002380	0.003651	-0.001120	0.195110
.							
22451	0	0.002044	0.138208	-6.08E-05	0.004064	0.000172	-0.156150
22451	2.300	0.002044	0.138208	-6.08E-05	0.004064	3.26E-05	0.161716
.							
22461	0	0.050549	0.169248	0.002241	0.003612	-0.003967	-0.191538
22461	2.300	0.050549	0.169248	0.002241	0.003612	0.001187	0.197717
.							
22471	0	0.120585	0.258887	0.004348	0.002259	-0.007583	-0.291627
22471	2.300	0.120585	0.258887	0.004348	0.002259	0.002416	0.303789
.							
22481	0	0.264112	0.380635	0.005864	-0.000103	-0.009885	-0.420861
22481	2.300	0.264112	0.380635	0.005864	-0.000103	0.003621	0.454560
.							
22491	0	0.523641	0.315738	0.005490	-0.003642	-0.008873	-0.342003
22491	2.300	0.523641	0.315738	0.005490	-0.003642	0.003754	0.384167
.							
22501	0	0.269865	0.976524	0.002566	0.008577	-0.003456	-1.277
22501	2.300	0.269865	0.976524	0.002566	0.008577	0.002446	0.968931
.							
22601	0	0.329690	0.388120	0.004684	0.001958	-0.005584	-0.638410
22601	2.300	0.329690	0.388120	0.004684	0.001958	0.005189	0.254231
.							
22701	0	0.329755	-0.388524	-0.004684	-0.001958	0.005189	0.254663

22701	2.300	0.329755	-0.388524	-0.004684	-0.001958	-0.005584	-0.638906
.							
22801	0	0.270727	-0.977639	-0.002565	-0.008566	0.002445	0.969729
22801	2.300	0.270727	-0.977639	-0.002565	-0.008566	-0.003455	-1.279
.							
23101	0	-0.303968	1.523	-0.003542	0.011780	0.003485	-2.002
23101	2.300	-0.303968	1.523	-0.003542	0.011780	-0.004661	1.502
.							
23111	0	-0.555660	-0.478552	0.006816	0.005064	-0.004831	0.578051
23111	2.300	-0.555660	-0.478552	0.006816	0.005064	0.010846	-0.522575
.							
23121	0	-0.242186	-0.437952	0.007056	0.000393	-0.004129	0.515801
23121	2.300	-0.242186	-0.437952	0.007056	0.000393	0.012100	-0.491448
.							
23131	0	-0.105058	-0.255388	0.005148	-0.002632	-0.002590	0.296170
23131	2.300	-0.105058	-0.255388	0.005148	-0.002632	0.009250	-0.291200
.							
23141	0	-0.041019	-0.154433	0.002653	-0.004321	-0.001218	0.178356
23141	2.300	-0.041019	-0.154433	0.002653	-0.004321	0.004884	-0.176824
.							
23151	0	-2.33E-08	-0.124624	5.45E-09	-0.004864	-2.60E-09	0.143658
23151	2.300	-2.33E-08	-0.124624	5.45E-09	-0.004864	9.93E-09	-0.142967
.							
23161	0	0.041019	-0.154433	-0.002653	-0.004321	0.001218	0.178356
23161	2.300	0.041019	-0.154433	-0.002653	-0.004321	-0.004884	-0.176824
.							
23171	0	0.105058	-0.255388	-0.005148	-0.002632	0.002590	0.296170
23171	2.300	0.105058	-0.255388	-0.005148	-0.002632	-0.009250	-0.291200
.							
23181	0	0.242186	-0.437952	-0.007056	0.000393	0.004129	0.515801
23181	2.300	0.242186	-0.437952	-0.007056	0.000393	-0.012100	-0.491448
.							
23191	0	0.555660	-0.478553	-0.006816	0.005064	0.004831	0.578052
23191	2.300	0.555660	-0.478553	-0.006816	0.005064	-0.010846	-0.522575
.							
23201	0	-0.370858	0.602874	-0.005120	0.002888	0.005654	-0.994564
23201	2.300	-0.370858	0.602874	-0.005120	0.002888	-0.006121	0.391990
.							
23211	0	-1.037	-0.152183	-0.003662	0.001813	0.007813	0.183364
23211	2.300	-1.037	-0.152183	-0.003662	0.001813	-0.000609	-0.166643
.							
23221	0	-0.650479	-0.190231	-0.002728	0.000572	0.008586	0.263897
23221	2.300	-0.650479	-0.190231	-0.002728	0.000572	0.002313	-0.173616
.							
23231	0	-0.301080	-0.116909	-0.001542	-0.000530	0.006766	0.163277
23231	2.300	-0.301080	-0.116909	-0.001542	-0.000530	0.003220	-0.105603
.							
23241	0	-0.108532	-0.066346	-0.000623	-0.001272	0.003626	0.090474
23241	2.300	-0.108532	-0.066346	-0.000623	-0.001272	0.002192	-0.062115
.							
23251	0	-6.05E-08	-0.051216	-1.80E-09	-0.001532	7.16E-09	0.068262
23251	2.300	-6.05E-08	-0.051216	-1.80E-09	-0.001532	3.02E-09	-0.049531
.							
23261	0	0.108532	-0.066346	0.000623	-0.001272	-0.003625	0.090474
23261	2.300	0.108532	-0.066346	0.000623	-0.001272	-0.002192	-0.062115
.							
23271	0	0.301080	-0.116909	0.001542	-0.000530	-0.006766	0.163277
23271	2.300	0.301080	-0.116909	0.001542	-0.000530	-0.003220	-0.105603
.							
23281	0	0.650479	-0.190231	0.002728	0.000572	-0.008586	0.263897
23281	2.300	0.650479	-0.190231	0.002728	0.000572	-0.002312	-0.173616
.							
23291	0	1.037	-0.152183	0.003662	0.001813	-0.007813	0.183365
23291	2.300	1.037	-0.152183	0.003662	0.001813	0.000609	-0.166643
.							
23301	0	-0.370908	-0.603500	0.005120	-0.002887	-0.006121	0.392661
23301	2.300	-0.370908	-0.603500	0.005120	-0.002887	0.005654	-0.995333
.							
23311	0	-1.038	0.151684	0.003660	-0.001813	-0.000609	-0.166100
23311	2.300	-1.038	0.151684	0.003660	-0.001813	0.007809	0.182759
.							
23321	0	-0.650698	0.190076	0.002727	-0.000572	0.002312	-0.173419
23321	2.300	-0.650698	0.190076	0.002727	-0.000572	0.008585	0.263739
.							
23331	0	-0.301147	0.116949	0.001542	0.000530	0.003220	-0.105634
23331	2.300	-0.301147	0.116949	0.001542	0.000530	0.006767	0.163338
.							
23341	0	-0.108541	0.066975	0.000623	0.001272	0.002192	-0.062834
23341	2.300	-0.108541	0.066975	0.000623	0.001272	0.003626	0.091203
.							
23351	0	-6.05E-08	0.051354	1.79E-09	0.001532	3.02E-09	-0.049687
23351	2.300	-6.05E-08	0.051354	1.79E-09	0.001532	7.14E-09	0.068423
.							
23361	0	0.108541	0.066975	-0.000623	0.001272	-0.002192	-0.062834
23361	2.300	0.108541	0.066975	-0.000623	0.001272	-0.003626	0.091203
.							
23371	0	0.301147	0.116949	-0.001542	0.000530	-0.003220	-0.105634
23371	2.300	0.301147	0.116949	-0.001542	0.000530	-0.006767	0.163338
.							
23381	0	0.650698	0.190076	-0.002727	-0.000572	-0.002312	-0.173419
23381	2.300	0.650698	0.190076	-0.002727	-0.000572	-0.008585	0.263739
.							
23391	0	1.038	0.151684	-0.003660	-0.001813	0.000609	-0.166100
23391	2.300	1.038	0.151684	-0.003660	-0.001813	-0.007809	0.182759
.							
23401	0	-0.304889	-1.525	0.003542	-0.011767	-0.004661	1.503
23401	2.300	-0.304889	-1.525	0.003542	-0.011767	0.003485	-2.004
.							
23411	0	-0.557016	0.479441	-0.006811	-0.005065	0.010839	-0.523425
23411	2.300	-0.557016	0.479441	-0.006811	-0.005065	-0.004826	0.579244
.							
23421	0	-0.242473	0.438531	-0.007056	-0.000394	0.012099	-0.492048
23421	2.300	-0.242473	0.438531	-0.007056	-0.000394	-0.004129	0.516532
.							
23431	0	-0.105086	0.255479	-0.005149	0.002631	0.009251	-0.291300
23431	2.300	-0.105086	0.255479	-0.005149	0.002631	-0.002591	0.296279
.							
23441	0	-0.041023	0.154045	-0.002654	0.004322	0.004885	-0.176382
23441	2.300	-0.041023	0.154045	-0.002654	0.004322	-0.001218	0.177907
.							
23451	0	-2.33E-08	0.124763	-5.44E-09	0.004865	9.91E-09	-0.143129
23451	2.300	-2.33E-08	0.124763	-5.44E-09	0.004865	-2.60E-09	0.143815
.							
23461	0	0.041023	0.154045	0.002654	0.004322	-0.004885	-0.176382
23461	2.300	0.041023	0.154045	0.002654	0.004322	0.001218	0.177908
.							
23471	0	0.105085	0.255479	0.005149	0.002631	-0.009251	-0.291300
23471	2.300	0.105085	0.255479	0.005149	0.002631	0.002591	0.296279

.							
23481	0	0.242473	0.438531	0.007056	-0.000394	-0.012099	-0.492048
23481	2.300	0.242473	0.438531	0.007056	-0.000394	0.004129	0.516532
.							
23491	0	0.557016	0.479441	0.006811	-0.005065	-0.010839	-0.523426
23491	2.300	0.557016	0.479441	0.006811	-0.005065	0.004826	0.579244
.							
23501	0	0.303968	1.523	0.003542	0.011780	-0.003485	-2.002
23501	2.300	0.303968	1.523	0.003542	0.011780	0.004661	1.502
.							
23601	0	0.370859	0.602873	0.005120	0.002888	-0.005654	-0.994563
23601	2.300	0.370859	0.602873	0.005120	0.002888	0.006121	0.391990
.							
23701	0	0.370909	-0.603499	-0.005120	-0.002887	0.006121	0.392661
23701	2.300	0.370909	-0.603499	-0.005120	-0.002887	-0.005654	-0.995332
.							
23801	0	0.304889	-1.525	-0.003541	-0.011767	0.004660	1.503
23801	2.300	0.304889	-1.525	-0.003541	-0.011767	-0.003484	-2.004
.							
24101	0	-0.269866	0.976523	-0.002566	0.008577	0.003456	-1.277
24101	2.300	-0.269866	0.976523	-0.002566	0.008577	-0.002446	0.968930
.							
24111	0	-0.522265	-0.315494	0.005496	0.003642	-0.003759	0.383770
24111	2.300	-0.522265	-0.315494	0.005496	0.003642	0.008880	-0.341838
.							
24121	0	-0.263700	-0.380187	0.005865	0.000101	-0.003622	0.453973
24121	2.300	-0.263700	-0.380187	0.005865	0.000101	0.009867	-0.420422
.							
24131	0	-0.120534	-0.258749	0.004347	-0.002259	-0.002416	0.303618
24131	2.300	-0.120534	-0.258749	0.004347	-0.002259	0.007583	-0.291482
.							
24141	0	-0.050553	-0.168782	0.002241	-0.003612	-0.001186	0.197183
24141	2.300	-0.050553	-0.168782	0.002241	-0.003612	0.003967	-0.191000
.							
24151	0	-0.002042	-0.138052	-6.07E-05	-0.004064	-3.26E-05	0.161540
24151	2.300	-0.002042	-0.138052	-6.07E-05	-0.004064	-0.000172	-0.155968
.							
24161	0	0.048043	-0.166076	-0.002379	-0.003651	0.001120	0.194575
24161	2.300	0.048043	-0.166076	-0.002379	-0.003651	-0.004352	-0.187384
.							
24171	0	0.124328	-0.255779	-0.004537	-0.002336	0.002343	0.301605
24171	2.300	0.124328	-0.255779	-0.004537	-0.002336	-0.008091	-0.286662
.							
24181	0	0.285809	-0.377587	-0.006136	-1.09E-05	0.003524	0.454580
24181	2.300	0.285809	-0.377587	-0.006136	-1.09E-05	-0.010588	-0.413837
.							
24191	0	0.581181	-0.281553	-0.005852	0.003503	0.003556	0.349620
24191	2.300	0.581181	-0.281553	-0.005852	0.003503	-0.009904	-0.297926
.							
24201	0	-0.329691	0.388120	-0.004684	0.001958	0.005584	-0.638410
24201	2.300	-0.329691	0.388120	-0.004684	0.001958	-0.005189	0.254230
.							
24211	0	-0.923197	-0.087229	-0.003681	0.001217	0.006564	0.099204
24211	2.300	-0.923197	-0.087229	-0.003681	0.001217	-0.001902	-0.101414
.							
24221	0	-0.670041	-0.153089	-0.003094	0.000389	0.006923	0.211166
24221	2.300	-0.670041	-0.153089	-0.003094	0.000389	-0.000191	-0.140925
.							
24231	0	-0.356387	-0.114707	-0.002124	-0.000345	0.005449	0.160010
24231	2.300	-0.356387	-0.114707	-0.002124	-0.000345	0.000564	-0.103807
.							
24241	0	-0.145626	-0.075646	-0.001077	-0.000841	0.002874	0.104271
24241	2.300	-0.145626	-0.075646	-0.001077	-0.000841	0.000398	-0.069707
.							
24251	0	-0.005284	-0.060990	-6.60E-05	-0.001012	-0.000176	0.083751
24251	2.300	-0.005284	-0.060990	-6.60E-05	-0.001012	-0.000328	-0.056520
.							
24261	0	0.141454	-0.075064	0.000975	-0.000828	-0.003263	0.105325
24261	2.300	0.141454	-0.075064	0.000975	-0.000828	-0.001020	-0.067315
.							
24271	0	0.373849	-0.115043	0.002116	-0.000316	-0.005949	0.164295
24271	2.300	0.373849	-0.115043	0.002116	-0.000316	-0.001082	-0.100294
.							
24281	0	0.726412	-0.153770	0.003243	0.000437	-0.007604	0.217557
24281	2.300	0.726412	-0.153770	0.003243	0.000437	-0.000146	-0.136100
.							
24291	0	1.015	-0.073748	0.004021	0.001284	-0.007444	0.085576
24291	2.300	1.015	-0.073748	0.004021	0.001284	0.001803	-0.084038
.							
24301	0	-0.329756	-0.388524	0.004684	-0.001958	-0.005189	0.254663
24301	2.300	-0.329756	-0.388524	0.004684	-0.001958	0.005584	-0.638906
.							
24311	0	-0.923470	0.086902	0.003679	-0.001217	-0.001902	-0.101057
24311	2.300	-0.923470	0.086902	0.003679	-0.001217	0.006560	0.098809
.							
24321	0	-0.670271	0.152998	0.003093	-0.000389	-0.000191	-0.140809
24321	2.300	-0.670271	0.152998	0.003093	-0.000389	0.006922	0.211074
.							
24331	0	-0.356483	0.115093	0.002124	0.000345	0.000564	-0.104237
24331	2.300	-0.356483	0.115093	0.002124	0.000345	0.005449	0.160467
.							
24341	0	-0.145649	0.075786	0.001077	0.000841	0.000398	-0.069863
24341	2.300	-0.145649	0.075786	0.001077	0.000841	0.002875	0.104438
.							
24351	0	-0.005286	0.061149	6.60E-05	0.001012	-0.000328	-0.056701
24351	2.300	-0.005286	0.061149	6.60E-05	0.001012	-0.000176	0.083936
.							
24361	0	0.141473	0.075205	-0.000975	0.000828	-0.001020	-0.067472
24361	2.300	0.141473	0.075205	-0.000975	0.000828	-0.003263	0.105494
.							
24371	0	0.373947	0.115109	-0.002116	0.000316	-0.001082	-0.100356
24371	2.300	0.373947	0.115109	-0.002116	0.000316	-0.005949	0.164386
.							
24381	0	0.726661	0.153659	-0.003242	-0.000437	-0.000146	-0.135957
24381	2.300	0.726661	0.153659	-0.003242	-0.000437	-0.007602	0.217445
.							
24391	0	1.015	0.073352	-0.004019	-0.001284	0.001802	-0.083600
24391	2.300	1.015	0.073352	-0.004019	-0.001284	-0.007440	0.085104
.							
24401	0	-0.270727	-0.977638	0.002566	-0.008566	-0.002446	0.969728
24401	2.300	-0.270727	-0.977638	0.002566	-0.008566	0.003455	-1.279
.							
24411	0	-0.523642	0.315739	-0.005490	-0.003642	0.008873	-0.342003
24411	2.300	-0.523642	0.315739	-0.005490	-0.003642	-0.003754	0.384167
.							
24421	0	-0.264112	0.380635	-0.005864	-0.000103	0.009865	-0.420865
24421	2.300	-0.264112	0.380635	-0.005864	-0.000103	-0.003621	0.454560
.							

24431	0	-0.120585	0.258887	-0.004348	0.002259	0.007583	-0.291627
24431	2.300	-0.120585	0.258887	-0.004348	0.002259	-0.002416	0.303789
.							
24441	0	-0.050549	0.169248	-0.002241	0.003612	0.003967	-0.191538
24441	2.300	-0.050549	0.169248	-0.002241	0.003612	-0.001187	0.197717
.							
24451	0	-0.002044	0.138208	6.08E-05	0.004064	-0.000172	-0.156150
24451	2.300	-0.002044	0.138208	6.08E-05	0.004064	-3.26E-05	0.161716
.							
24461	0	0.048034	0.166544	0.002380	0.003651	-0.004352	-0.187924
24461	2.300	0.048034	0.166544	0.002380	0.003651	0.001120	0.195110
.							
24471	0	0.124375	0.256238	0.004537	0.002336	-0.008091	-0.287177
24471	2.300	0.124375	0.256238	0.004537	0.002336	0.002344	0.302148
.							
24481	0	0.286245	0.378041	0.006135	9.44E-06	-0.010586	-0.414279
24481	2.300	0.286245	0.378041	0.006135	9.44E-06	0.003524	0.455181
.							
24491	0	0.582672	0.281772	0.005847	-0.003503	-0.009896	-0.298047
24491	2.300	0.582672	0.281772	0.005847	-0.003503	0.003550	0.350003
.							
24501	0	0.287309	1.228	0.002234	0.008430	-0.004101	-1.588
24501	2.300	0.287309	1.228	0.002234	0.008430	0.001037	1.237
.							
24601	0	0.349494	0.470331	0.005097	0.002034	-0.006461	-0.755613
24601	2.300	0.349494	0.470331	0.005097	0.002034	0.005261	0.326104
.							
24701	0	0.349589	-0.470916	-0.005097	-0.002034	0.005261	0.326739
24701	2.300	0.349589	-0.470916	-0.005097	-0.002034	-0.006461	-0.756325
.							
24801	0	0.288287	-1.230	-0.002233	-0.008416	0.001036	1.238
24801	2.300	0.288287	-1.230	-0.002233	-0.008416	-0.004100	-1.590
.							
25101	0	-0.279768	0.896256	-0.003336	0.011809	0.002465	-1.157
25101	2.300	-0.279768	0.896256	-0.003336	0.011809	-0.005207	0.904724
.							
25111	0	-0.556511	-0.195199	0.004886	0.007661	-0.003774	0.243070
25111	2.300	-0.556511	-0.195199	0.004886	0.007661	0.007463	-0.205869
.							
25121	0	-0.301993	-0.317453	0.006581	0.004408	-0.003971	0.384582
25121	2.300	-0.301993	-0.317453	0.006581	0.004408	0.011165	-0.345530
.							
25131	0	-0.141825	-0.229144	0.006527	0.001901	-0.003191	0.271593
25131	2.300	-0.141825	-0.229144	0.006527	0.001901	0.011821	-0.255417
.							
25141	0	-0.070794	-0.136921	0.005872	-5.02E-06	-0.002397	0.160513
25141	2.300	-0.070794	-0.136921	0.005872	-5.02E-06	0.011107	-0.154392
.							
25151	0	-0.038425	-0.075163	0.004980	-0.001433	-0.001748	0.087673
25151	2.300	-0.038425	-0.075163	0.004980	-0.001433	0.009706	-0.085195
.							
25161	0	-0.023873	-0.037520	0.003996	-0.002481	-0.001233	0.043503
25161	2.300	-0.023873	-0.037520	0.003996	-0.002481	0.007956	-0.042788
.							
25171	0	-0.018984	-0.012511	0.002967	-0.003224	-0.000797	0.014404
25171	2.300	-0.018984	-0.012511	0.002967	-0.003224	0.006027	-0.014370
.							
25181	0	-0.017145	0.007043	0.001852	-0.003717	-0.000312	-0.007616
25181	2.300	-0.017145	0.007043	0.001852	-0.003717	0.003947	0.008582
.							
25191	0	-0.007322	0.023959	0.000318	-0.003996	0.000692	-0.024898
25191	2.300	-0.007322	0.023959	0.000318	-0.003996	0.001423	0.030205
.							
25201	0	-0.347837	0.345134	-0.003738	0.003321	0.003760	-0.553850
25201	2.300	-0.347837	0.345134	-0.003738	0.003321	-0.004837	0.239926
.							
25211	0	-0.949216	-0.042716	-0.002195	0.002700	0.005740	0.045049
25211	2.300	-0.949216	-0.042716	-0.002195	0.002700	0.000692	-0.053194
.							
25221	0	-0.736678	-0.120099	-0.001524	0.001941	0.008054	0.169774
25221	2.300	-0.736678	-0.120099	-0.001524	0.001941	0.004549	-0.106444
.							
25231	0	-0.422736	-0.096547	-0.000651	0.001141	0.008928	0.138423
25231	2.300	-0.422736	-0.096547	-0.000651	0.001141	0.007431	-0.083626
.							
25241	0	-0.207310	-0.057310	0.000211	0.000382	0.008691	0.081525
25241	2.300	-0.207310	-0.057310	0.000211	0.000382	0.009177	-0.050283
.							
25251	0	-0.097459	-0.028335	0.000841	-0.000283	0.007784	0.039389
25251	2.300	-0.097459	-0.028335	0.000841	-0.000283	0.009718	-0.025779
.							
25261	0	-0.053509	-0.011113	0.001152	-0.000824	0.006497	0.015004
25261	2.300	-0.053509	-0.011113	0.001152	-0.000824	0.009146	-0.010554
.							
25271	0	-0.039181	-0.002022	0.001154	-0.001235	0.004999	0.003172
25271	2.300	-0.039181	-0.002022	0.001154	-0.001235	0.007653	-0.001477
.							
25281	0	-0.028563	0.001386	0.000900	-0.001518	0.003396	0.000226
25281	2.300	-0.028563	0.001386	0.000900	-0.001518	0.005466	0.003414
.							
25291	0	-0.002130	-0.000139	0.000372	-0.001681	0.001894	0.004752
25291	2.300	-0.002130	-0.000139	0.000372	-0.001681	0.002749	0.004431
.							
25301	0	-0.347874	-0.345568	0.003738	-0.003321	-0.004837	0.240397
25301	2.300	-0.347874	-0.345568	0.003738	-0.003321	0.003760	-0.554379
.							
25311	0	-0.949460	0.042576	0.002194	-0.002700	0.000692	-0.053048
25311	2.300	-0.949460	0.042576	0.002194	-0.002700	0.005737	0.044873
.							
25321	0	-0.736905	0.120150	0.001523	-0.001941	0.004549	-0.106493
25321	2.300	-0.736905	0.120150	0.001523	-0.001941	0.008052	0.169640
.							
25331	0	-0.422847	0.096518	0.000651	-0.001141	0.007431	-0.083582
25331	2.300	-0.422847	0.096518	0.000651	-0.001141	0.008928	0.138401
.							
25341	0	-0.207342	0.057368	-0.000211	-0.000382	0.009177	-0.050344
25341	2.300	-0.207342	0.057368	-0.000211	-0.000382	0.008692	0.081597
.							
25351	0	-0.097466	0.028441	-0.000840	0.000283	0.009718	-0.025900
25351	2.300	-0.097466	0.028441	-0.000840	0.000283	0.007785	0.039512
.							
25361	0	-0.053516	0.011248	-0.001151	0.000824	0.009146	-0.010709
25361	2.300	-0.053516	0.011248	-0.001151	0.000824	0.006498	0.015160
.							
25371	0	-0.039187	0.002175	-0.001154	0.001235	0.007653	-0.001652
25371	2.300	-0.039187	0.002175	-0.001154	0.001235	0.004999	0.003349
.							
25381	0	-0.028554	-0.001231	-0.000900	0.001518	0.005466	0.003239

```
25381   2.300 -0.028554 -0.001231 -0.000900  0.001518  0.003396  0.000408
.
25391       0 -0.002081  0.000275 -0.000372  0.001681  0.002749  0.004282
25391   2.300 -0.002081  0.000275 -0.000372  0.001681  0.001894  0.004914
.
25401       0 -0.280462 -0.897275  0.003335 -0.011798 -0.005206  0.905525
25401   2.300 -0.280462 -0.897275  0.003335 -0.011798  0.002465    -1.158
.
25411       0 -0.557850  0.195001 -0.004880 -0.007662  0.007455 -0.205562
25411   2.300 -0.557850  0.195001 -0.004880 -0.007662 -0.003769  0.242923
.
25421       0 -0.302483  0.317474 -0.006580 -0.004410  0.011163 -0.345486
25421   2.300 -0.302483  0.317474 -0.006580 -0.004410 -0.003970  0.384675
.
25431       0 -0.141909  0.229193 -0.006528 -0.001902  0.011822 -0.255454
25431   2.300 -0.141909  0.229193 -0.006528 -0.001902 -0.003192  0.271667
.
25441       0 -0.070795  0.136993 -0.005873  4.68E-06  0.011109 -0.154475
25441   2.300 -0.070795  0.136993 -0.005873  4.68E-06 -0.002398  0.160597
.
25451       0 -0.038431  0.075496 -0.004981  0.001433  0.009707 -0.085580
25451   2.300 -0.038431  0.075496 -0.004981  0.001433 -0.001749  0.088054
.
25461       0 -0.023888  0.037881 -0.003996  0.002481  0.007958 -0.043205
25461   2.300 -0.023888  0.037881 -0.003996  0.002481 -0.001233  0.043917
.
25471       0 -0.019003  0.012666 -0.002968  0.003225  0.006028 -0.014549
25471   2.300 -0.019003  0.012666 -0.002968  0.003225 -0.000797  0.014583
.
25481       0 -0.017144 -0.006865 -0.001852  0.003718  0.003947  0.008383
25481   2.300 -0.017144 -0.006865 -0.001852  0.003718 -0.000312 -0.007407
.
25491       0 -0.007216 -0.023759 -0.000318  0.003996  0.001423  0.029993
25491   2.300 -0.007216 -0.023759 -0.000318  0.003996  0.000692 -0.024649
.
25501       0  0.030533  0.046032 -0.003379 -0.004074  0.004391 -0.045657
25501   2.300  0.030533  0.046032 -0.003379 -0.004074 -0.003381  0.060213
.
25601       0  0.052034 -0.004351 -0.001031 -0.001732  0.001581  0.012868
25601   2.300  0.052034 -0.004351 -0.001031 -0.001732 -0.000791  0.002860
.
25701       0  0.052146  0.004449  0.001031  0.001732 -0.000791  0.002755
25701   2.300  0.052146  0.004449  0.001031  0.001732  0.001581  0.012988
.
25801       0  0.030872 -0.045848  0.003379  0.004074 -0.003381  0.060026
25801   2.300  0.030872 -0.045848  0.003379  0.004074  0.004391 -0.045421
.
.ID Hip¢tesi  26
.SK 4
.TP 20
CARGAS:                          ''                                Ejec.  "HIP"
==========================================================================
Hip¢tesis      Factor         Etapa       T¡tulo
 26            1.0000                     Temperatura uniforme
==========================================================================
.ID REA3,STATIK2,1.58
.UN  M,KN
.EL !LHIP.026
.SK 3
```

```
.TP 12
.TK 4
REACCIONES EN APOYOS:
NUDOS            FX          FY          FZ          MX          MY          MZ
                [kN]        [kN]        [kN]        [kNm]       [kNm]       [kNm]
-------------------------------------------------------------------------------
 1101        -7.453  -0.000141  -0.281762
 1201        -7.453  -9.42E-05  -0.323637
 1301        -7.453  -9.87E-08  -0.340542
 1401        -7.453   9.41E-05  -0.323637
 1501        -7.453   0.000141  -0.281761
 5111         7.453  -0.000141  -0.281762
 5211         7.453  -9.42E-05  -0.323637
 5311         7.453  -9.87E-08  -0.340543
 5411         7.453   9.41E-05  -0.323638
 5511         7.453   0.000141  -0.281761
11113       -41.209  -6.98E-07  -0.394668   8.41E-06   -332.299   0.000691
11313       -15.294   9.67E-07      1.946  -1.39E-05   -141.686   0.000181
11513        15.294   9.67E-07      1.946  -1.39E-05    141.686  -0.000181
11713        41.209  -6.98E-07  -0.394666   8.41E-06    332.299  -0.000691
. ---------------------------------------
. Sumas:   3.81E-06  -7.64E-11   1.49E-07
.ID SKR3,STATIK2,1.58
.UN  M,KN
.EL !LHIP.026
.SK 3
.TP 12
.TK 4
ESFUERZOS:
```

Barra	Distancia [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
1101	0	7.287	-0.144631	-0.285963	0.005459	-0.005070	0.168908
1101	1.270	7.287	-0.144631	-0.285963	0.005459	-0.368229	-0.014766
1102	0	7.127	-0.163729	-0.285588	0.006331	-0.373211	0.156116
1102	1.270	7.127	-0.163729	-0.285588	0.006331	-0.735893	-0.051812
1103	0	6.984	-0.141512	-0.283297	0.005967	-0.740550	0.113292
1103	1.270	6.984	-0.141512	-0.283297	0.005967	-1.100	-0.066420
1104	0	6.856	-0.108292	-0.279659	0.005016	-1.104	0.071136
1104	1.270	6.856	-0.108292	-0.279659	0.005016	-1.460	-0.066389
1105	0	6.776	-0.067290	-0.274724	0.003541	-1.463	0.026222
1105	1.270	6.776	-0.067290	-0.274724	0.003541	-1.812	-0.059233
1106	0	6.750	-0.009172	-0.268583	0.001448	-1.814	-0.032646
1106	1.270	6.750	-0.009172	-0.268583	0.001448	-2.155	-0.044294
1107	0	6.807	0.086874	-0.261287	-0.001426	-2.155	-0.117950
1107	1.270	6.807	0.086874	-0.261287	-0.001426	-2.487	-0.007625
1108	0	6.990	0.267344	-0.253071	-0.005251	-2.484	-0.226882
1108	1.270	6.990	0.267344	-0.253071	-0.005251	-2.806	0.112632
1109	0	7.288	0.639081	-0.244764	-0.009983	-2.801	-0.253236
1109	1.270	7.288	0.639081	-0.244764	-0.009983	-3.112	0.558364

1110	0	7.448	1.313	-0.238421	-0.014324	-3.102	0.352643
1110	1.270	7.448	1.313	-0.238421	-0.014324	-3.405	2.021
1201	0	7.604	-0.145063	-0.320711	0.006180	0.002895	0.202138
1201	1.270	7.604	-0.145063	-0.320711	0.006180	-0.404391	0.017915
1202	0	7.729	-0.209471	-0.320623	0.006778	-0.401542	0.229881
1202	1.270	7.729	-0.209471	-0.320623	0.006778	-0.808717	-0.036137
1203	0	7.834	-0.206316	-0.321755	0.006114	-0.805995	0.180965
1203	1.270	7.834	-0.206316	-0.321755	0.006114	-1.215	-0.081046
1204	0	7.913	-0.169629	-0.323927	0.004864	-1.212	0.108706
1204	1.270	7.913	-0.169629	-0.323927	0.004864	-1.624	-0.106714
1205	0	7.959	-0.115218	-0.327346	0.003087	-1.621	0.023593
1205	1.270	7.959	-0.115218	-0.327346	0.003087	-2.037	-0.122728
1206	0	7.979	-0.025980	-0.332452	0.000742	-2.036	-0.089741
1206	1.270	7.979	-0.025980	-0.332452	0.000742	-2.458	-0.122735
1207	0	7.945	0.154150	-0.339470	-0.002216	-2.457	-0.241079
1207	1.270	7.945	0.154150	-0.339470	-0.002216	-2.888	-0.045317
1208	0	7.856	0.505217	-0.348552	-0.005771	-2.889	-0.369665
1208	1.270	7.856	0.505217	-0.348552	-0.005771	-3.332	0.271935
1209	0	7.665	1.038	-0.358957	-0.009633	-3.335	-0.212426
1209	1.270	7.665	1.038	-0.358957	-0.009633	-3.790	1.105
1210	0	7.527	1.514	-0.368358	-0.011925	-3.796	0.927507
1210	1.270	7.527	1.514	-0.368358	-0.011925	-4.264	2.850
1301	0	7.479	-0.000137	-0.337962	2.68E-08	0.004311	0.000137
1301	1.270	7.479	-0.000137	-0.337962	2.68E-08	-0.424884	-3.65E-05
1302	0	7.551	-0.000197	-0.338929	1.09E-07	-0.420705	0.000157
1302	1.270	7.551	-0.000197	-0.338929	1.09E-07	-0.851128	-9.26E-05
1303	0	7.637	-0.000208	-0.341202	1.67E-07	-0.847352	0.000136
1303	1.270	7.637	-0.000208	-0.341202	1.67E-07	-1.281	-0.000128
1304	0	7.729	-0.000200	-0.344183	1.72E-07	-1.278	0.000109
1304	1.270	7.729	-0.000200	-0.344183	1.72E-07	-1.715	-0.000145
1305	0	7.795	-0.000191	-0.347126	1.19E-07	-1.713	8.29E-05
1305	1.270	7.795	-0.000191	-0.347126	1.19E-07	-2.153	-0.000160
1306	0	7.808	-0.000182	-0.349299	-2.22E-09	-2.153	4.42E-05
1306	1.270	7.808	-0.000182	-0.349299	-2.22E-09	-2.596	-0.000187
1307	0	7.747	-0.000143	-0.349840	-1.96E-07	-2.597	-3.45E-05
1307	1.270	7.747	-0.000143	-0.349840	-1.96E-07	-3.041	-0.000216
1308	0	7.586	-5.00E-06	-0.348065	-3.86E-07	-3.044	-0.000174
1308	1.270	7.586	-5.00E-06	-0.348065	-3.86E-07	-3.486	-0.000180
1309	0	7.356	0.000282	-0.343920	-3.02E-07	-3.491	-0.000341
1309	1.270	7.356	0.000282	-0.343920	-3.02E-07	-3.928	1.73E-05

1310	0	7.323	0.000605	-0.337760	3.03E-07	-3.934	-0.000410
1310	1.270	7.323	0.000605	-0.337760	3.03E-07	-4.363	0.000359
1401	0	7.604	0.144784	-0.320713	-0.006180	0.002895	-0.201880
1401	1.270	7.604	0.144784	-0.320713	-0.006180	-0.404394	-0.018012
1402	0	7.729	0.209121	-0.320614	-0.006778	-0.401551	-0.229627
1402	1.270	7.729	0.209121	-0.320614	-0.006778	-0.808714	0.035946
1403	0	7.834	0.205975	-0.321746	-0.006114	-0.806004	-0.180769
1403	1.270	7.834	0.205975	-0.321746	-0.006114	-1.215	0.080809
1404	0	7.913	0.169304	-0.323920	-0.004865	-1.212	-0.108548
1404	1.270	7.913	0.169304	-0.323920	-0.004865	-1.623	0.106459
1405	0	7.959	0.114904	-0.327361	-0.003088	-1.621	-0.023458
1405	1.270	7.959	0.114904	-0.327361	-0.003088	-2.037	0.122463
1406	0	7.979	0.025664	-0.332441	-0.000741	-2.036	0.089851
1406	1.270	7.979	0.025664	-0.332441	-0.000741	-2.458	0.122443
1407	0	7.951	-0.154505	-0.339491	0.002217	-2.457	0.241131
1407	1.270	7.951	-0.154505	-0.339491	0.002217	-2.888	0.044918
1408	0	7.849	-0.505608	-0.348558	0.005773	-2.889	0.369533
1408	1.270	7.849	-0.505608	-0.348558	0.005773	-3.332	-0.272564
1409	0	7.665	-1.038	-0.358946	0.009634	-3.335	0.211862
1409	1.270	7.665	-1.038	-0.358946	0.009634	-3.790	-1.106
1410	0	7.527	-1.513	-0.368371	0.011921	-3.796	-0.928581
1410	1.270	7.527	-1.513	-0.368371	0.011921	-4.264	-2.850
1501	0	7.287	0.145047	-0.285960	-0.005459	-0.005069	-0.168745
1501	1.270	7.287	0.145047	-0.285960	-0.005459	-0.368224	0.015457
1502	0	7.127	0.164276	-0.285576	-0.006331	-0.373215	-0.155236
1502	1.270	7.127	0.164276	-0.285576	-0.006331	-0.735882	0.053386
1503	0	6.978	0.142059	-0.283311	-0.005968	-0.740537	-0.111557
1503	1.270	6.978	0.142059	-0.283311	-0.005968	-1.100	0.068852
1504	0	6.861	0.108816	-0.279654	-0.005017	-1.104	-0.068550
1504	1.270	6.861	0.108816	-0.279654	-0.005017	-1.460	0.069641
1505	0	6.776	0.067795	-0.274721	-0.003542	-1.463	-0.022913
1505	1.270	6.776	0.067795	-0.274721	-0.003542	-1.812	0.063284
1506	0	6.750	0.009670	-0.268587	-0.001448	-1.813	0.036859
1506	1.270	6.750	0.009670	-0.268587	-0.001448	-2.155	0.049140
1507	0	6.813	-0.086377	-0.261277	0.001428	-2.155	0.122974
1507	1.270	6.813	-0.086377	-0.261277	0.001428	-2.487	0.013280
1508	0	6.990	-0.266949	-0.253086	0.005253	-2.484	0.232779
1508	1.270	6.990	-0.266949	-0.253086	0.005253	-2.806	-0.106232
1509	0	7.288	-0.639293	-0.244744	0.009984	-2.801	0.260010

1509	1.270	7.288	-0.639293	-0.244744	0.009984	-3.112	-0.551859
1510	0	7.448	-1.315	-0.238422	0.014319	-3.102	-0.345891
1510	1.270	7.448	-1.315	-0.238422	0.014319	-3.405	-2.016
2101	0	12.907	1.297	-0.310224	-0.011466	3.406	-2.008
2101	1.390	12.907	1.297	-0.310224	-0.011466	2.975	-0.204493
2102	0	13.133	0.590322	-0.317611	-0.006823	2.983	-0.502583
2102	1.390	13.133	0.590322	-0.317611	-0.006823	2.541	0.317932
2103	0	13.485	0.244616	-0.326338	-0.002088	2.544	-0.112678
2103	1.390	13.485	0.244616	-0.326338	-0.002088	2.091	0.227325
2104	0	13.687	0.094572	-0.334074	0.001421	2.091	-0.018475
2104	1.390	13.687	0.094572	-0.334074	0.001421	1.626	0.112975
2105	0	13.782	0.032425	-0.340116	0.003727	1.624	0.001573
2105	1.390	13.782	0.032425	-0.340116	0.003727	1.151	0.046642
2106	0	13.823	0.019258	-0.344194	0.005018	1.148	-0.007489
2106	1.390	13.823	0.019258	-0.344194	0.005018	0.669378	0.019278
2107	0	13.869	0.040977	-0.346252	0.005427	0.665103	-0.036140
2107	1.390	13.869	0.040977	-0.346252	0.005427	0.183833	0.020816
2108	0	13.957	0.099321	-0.346329	0.005021	0.179557	-0.081321
2108	1.390	13.957	0.099321	-0.346329	0.005021	-0.301822	0.056729
2109	0	14.100	0.221474	-0.344617	0.003912	-0.305443	-0.118054
2109	1.390	14.100	0.221474	-0.344617	0.003912	-0.784441	0.189782
2110	0	14.228	0.452590	-0.341954	0.002779	-0.786698	0.035041
2110	1.390	14.228	0.452590	-0.341954	0.002779	-1.262	0.664116
2201	0	17.484	1.516	-0.451061	-0.009747	4.266	-2.823
2201	1.390	17.484	1.516	-0.451061	-0.009747	3.639	-0.716267
2202	0	17.313	0.988568	-0.439662	-0.006849	3.634	-1.011
2202	1.390	17.313	0.988568	-0.439662	-0.006849	3.023	0.362572
2203	0	17.112	0.455024	-0.428112	-0.002847	3.022	-0.238876
2203	1.390	17.112	0.455024	-0.428112	-0.002847	2.427	0.393583
2204	0	17.012	0.153547	-0.418984	0.000459	2.427	0.010771
2204	1.390	17.012	0.153547	-0.418984	0.000459	1.845	0.224192
2205	0	16.973	0.036323	-0.412987	0.002827	1.847	0.042011
2205	1.390	16.973	0.036323	-0.412987	0.002827	1.273	0.092497
2206	0	16.958	0.017673	-0.409934	0.004252	1.276	0.003074
2206	1.390	16.958	0.017673	-0.409934	0.004252	0.705778	0.027638
2207	0	16.934	0.060570	-0.409662	0.004779	0.708752	-0.060934
2207	1.390	16.934	0.060570	-0.409662	0.004779	0.139345	0.023255
2208	0	16.892	0.171163	-0.411957	0.004470	0.142266	-0.131007
2208	1.390	16.892	0.171163	-0.411957	0.004470	-0.430331	0.106900

2209	0	16.802	0.355470	-0.416502	0.003424	-0.427887	-0.132409
2209	1.390	16.802	0.355470	-0.416502	0.003424	-1.007	0.361674
2210	0	16.700	0.533020	-0.422205	0.002068	-1.005	0.196042
2210	1.390	16.700	0.533020	-0.422205	0.002068	-1.592	0.936909
2301	0	17.695	0.000588	-0.423456	3.77E-07	4.366	-0.000347
2301	1.390	17.695	0.000588	-0.423456	3.77E-07	3.778	0.000470
2302	0	17.584	0.000215	-0.431464	-2.38E-07	3.772	-2.82E-06
2302	1.390	17.584	0.000215	-0.431464	-2.38E-07	3.172	0.000296
2303	0	17.277	-8.33E-05	-0.437138	-2.44E-07	3.168	0.000199
2303	1.390	17.277	-8.33E-05	-0.437138	-2.44E-07	2.561	8.35E-05
2304	0	17.073	-0.000204	-0.439821	-4.71E-08	2.559	0.000228
2304	1.390	17.073	-0.000204	-0.439821	-4.71E-08	1.948	-5.55E-05
2305	0	16.967	-0.000229	-0.439837	8.52E-08	1.949	0.000197
2305	1.390	16.967	-0.000229	-0.439837	8.52E-08	1.337	-0.000122
2306	0	16.913	-0.000231	-0.437733	1.07E-07	1.339	0.000168
2306	1.390	16.913	-0.000231	-0.437733	1.07E-07	0.730589	-0.000154
2307	0	16.865	-0.000224	-0.434173	4.21E-08	0.733066	0.000134
2307	1.390	16.865	-0.000224	-0.434173	4.21E-08	0.129590	-0.000177
2308	0	16.784	-0.000180	-0.429428	-5.98E-08	0.132185	7.39E-05
2308	1.390	16.784	-0.000180	-0.429428	-5.98E-08	-0.464696	-0.000176
2309	0	16.670	-6.00E-05	-0.423765	-9.06E-08	-0.462459	-2.22E-05
2309	1.390	16.670	-6.00E-05	-0.423765	-9.06E-08	-1.051	-0.000106
2310	0	16.619	0.000105	-0.417688	8.65E-08	-1.050	-0.000117
2310	1.390	16.619	0.000105	-0.417688	8.65E-08	-1.630	2.80E-05
2401	0	17.484	-1.514	-0.451054	0.009744	4.266	2.822
2401	1.390	17.484	-1.514	-0.451054	0.009744	3.639	0.717379
2402	0	17.313	-0.988816	-0.439669	0.006850	3.634	1.012
2402	1.390	17.313	-0.988816	-0.439669	0.006850	3.023	-0.362189
2403	0	17.115	-0.455499	-0.428106	0.002849	3.022	0.239487
2403	1.390	17.115	-0.455499	-0.428106	0.002849	2.427	-0.393632
2404	0	17.012	-0.153967	-0.418999	-0.000458	2.427	-0.010378
2404	1.390	17.012	-0.153967	-0.418999	-0.000458	1.845	-0.224383
2405	0	16.973	-0.036716	-0.412980	-0.002827	1.847	-0.041694
2405	1.390	16.973	-0.036716	-0.412980	-0.002827	1.273	-0.092727
2406	0	16.955	-0.018070	-0.409941	-0.004252	1.276	-0.002776
2406	1.390	16.955	-0.018070	-0.409941	-0.004252	0.705767	-0.027892
2407	0	16.937	-0.060985	-0.409666	-0.004779	0.708747	0.061211
2407	1.390	16.937	-0.060985	-0.409666	-0.004779	0.139335	-0.023555
2408	0	16.889	-0.171607	-0.411964	-0.004470	0.142261	0.131221
2408	1.390	16.889	-0.171607	-0.411964	-0.004470	-0.430345	-0.107304

2409	0	16.802	-0.355834	-0.416500	-0.003424	-0.427898	0.132440
2409	1.390	16.802	-0.355834	-0.416500	-0.003424	-1.007	-0.362149
2410	0	16.700	-0.532834	-0.422197	-0.002069	-1.005	-0.196324
2410	1.390	16.700	-0.532334	-0.422197	-0.002069	-1.592	-0.936933
2501	0	12.907	-1.299	-0.310230	0.011461	3.406	2.004
2501	1.390	12.907	-1.299	-0.310230	0.011461	2.975	0.197757
2502	0	13.133	-0.590290	-0.317602	0.006825	2.983	0.496282
2502	1.390	13.133	-0.590290	-0.317602	0.006825	2.541	-0.324188
2503	0	13.483	-0.244059	-0.326344	0.002090	2.544	0.106900
2503	1.390	13.483	-0.244059	-0.326344	0.002090	2.091	-0.232328
2504	0	13.687	-0.093950	-0.334067	-0.001419	2.091	0.013771
2504	1.390	13.687	-0.093950	-0.334067	-0.001419	1.626	-0.116814
2505	0	13.782	-0.031803	-0.340112	-0.003727	1.624	-0.005175
2505	1.390	13.782	-0.031803	-0.340112	-0.003727	1.151	-0.049380
2506	0	13.823	-0.018631	-0.344188	-0.005018	1.148	0.004980
2506	1.390	13.823	-0.018631	-0.344188	-0.005018	0.669384	-0.020916
2507	0	13.869	-0.040339	-0.346258	-0.005426	0.665112	0.034736
2507	1.390	13.869	-0.040339	-0.346258	-0.005426	0.183832	-0.021333
2508	0	13.954	-0.098698	-0.346328	-0.005021	0.179562	0.081065
2508	1.390	13.954	-0.098698	-0.346328	-0.005021	-0.301815	-0.056120
2509	0	14.102	-0.221051	-0.344617	-0.003912	-0.305435	0.119001
2509	1.390	14.102	-0.221051	-0.344617	-0.003912	-0.784433	-0.188247
2510	0	14.228	-0.452382	-0.341956	-0.002780	-0.786689	-0.033158
2510	1.390	14.228	-0.452382	-0.341956	-0.002780	-1.262	-0.662638
3101	0	16.069	0.423058	0.020548	-0.008969	1.265	-0.654451
3101	1.640	16.069	0.423058	0.020548	-0.008969	1.299	0.039337
3102	0	16.220	0.171259	0.017552	-0.006260	1.306	-0.149745
3102	1.640	16.220	0.171259	0.017552	-0.006260	1.334	0.131108
3103	0	16.360	0.066426	0.012980	-0.003930	1.339	-0.039969
3103	1.640	16.360	0.066426	0.012980	-0.003930	1.360	0.068965
3104	0	16.426	0.023414	0.007906	-0.002135	1.363	-0.009202
3104	1.640	16.426	0.023414	0.007906	-0.002135	1.376	0.029195
3105	0	16.448	0.005346	0.002658	-0.000675	1.377	0.002428
3105	1.640	16.448	0.005346	0.002658	-0.000675	1.381	0.011196
3106	0	16.448	-0.005346	-0.002654	0.000675	1.381	0.011196
3106	1.640	16.448	-0.005346	-0.002654	0.000675	1.377	0.002428
3107	0	16.426	-0.023414	-0.007900	0.002135	1.376	0.029195
3107	1.640	16.426	-0.023414	-0.007900	0.002135	1.363	-0.009202
3108	0	16.361	-0.066426	-0.012994	0.003930	1.360	0.068965
3108	1.640	16.361	-0.066426	-0.012994	0.003930	1.339	-0.039969
3109	0	16.218	-0.171259	-0.017545	0.006260	1.334	0.131108
3109	1.640	16.218	-0.171259	-0.017545	0.006260	1.306	-0.149745
3110	0	16.069	-0.423059	-0.020549	0.008969	1.299	0.039337
3110	1.640	16.069	-0.423059	-0.020549	0.008969	1.265	-0.654451
3201	0	20.501	0.516958	-0.016283	-0.006795	1.574	-0.922929
3201	1.640	20.501	0.516958	-0.016283	-0.006795	1.547	-0.075150
3202	0	20.404	0.299539	-0.013257	-0.005782	1.543	-0.300039
3202	1.640	20.404	0.299539	-0.013257	-0.005782	1.521	0.191185
3203	0	20.332	0.119253	-0.009175	-0.003986	1.518	-0.066656
3203	1.640	20.332	0.119253	-0.009175	-0.003986	1.503	0.128911
3204	0	20.304	0.036375	-0.005243	-0.002294	1.502	0.000325
3204	1.640	20.304	0.036375	-0.005243	-0.002294	1.493	0.059977
3205	0	20.295	0.007246	-0.001699	-0.000746	1.493	0.015020
3205	1.640	20.295	0.007246	-0.001699	-0.000746	1.490	0.026903
3206	0	20.295	-0.007246	0.001699	0.000746	1.490	0.026903
3206	1.640	20.295	-0.007246	0.001699	0.000746	1.493	0.015020
3207	0	20.303	-0.036375	0.005243	0.002294	1.493	0.059977
3207	1.640	20.303	-0.036375	0.005243	0.002294	1.502	0.000325
3208	0	20.333	-0.119253	0.009171	0.003986	1.503	0.128911
3208	1.640	20.333	-0.119253	0.009171	0.003986	1.518	-0.066656
3209	0	20.404	-0.299539	0.013255	0.005782	1.521	0.191185
3209	1.640	20.404	-0.299539	0.013255	0.005782	1.543	-0.300039
3210	0	20.499	-0.516959	0.016288	0.006795	1.547	-0.075150
3210	1.640	20.499	-0.516959	0.016288	0.006795	1.574	-0.922929
3301	0	20.630	0.000233	-0.008522	1.40E-07	1.611	-0.000211
3301	1.640	20.630	0.000233	-0.008522	1.40E-07	1.597	0.000170
3302	0	20.522	0.000131	-0.008594	-5.65E-08	1.592	-8.68E-05
3302	1.640	20.522	0.000131	-0.008594	-5.65E-08	1.578	0.000128
3303	0	20.384	4.33E-05	-0.007630	-3.38E-08	1.574	-3.23E-06
3303	1.640	20.384	4.33E-05	-0.007630	-3.38E-08	1.561	6.78E-05
3304	0	20.310	1.13E-05	-0.005307	6.49E-09	1.559	1.56E-05
3304	1.640	20.310	1.13E-05	-0.005307	6.49E-09	1.550	3.42E-05
3305	0	20.283	2.52E-06	-0.001903	8.05E-09	1.549	1.71E-05
3305	1.640	20.283	2.52E-06	-0.001903	8.05E-09	1.546	2.13E-05
3306	0	20.284	-2.52E-06	0.001900	-8.05E-09	1.546	2.13E-05
3306	1.640	20.284	-2.52E-06	0.001900	-8.05E-09	1.549	1.71E-05
3307	0	20.310	-1.13E-05	0.005322	-6.49E-09	1.550	3.42E-05
3307	1.640	20.310	-1.13E-05	0.005322	-6.49E-09	1.559	1.56E-05

3308	0	20.383	-4.33E-05	0.007616	3.38E-08	1.562	6.78E-05
3308	1.640	20.383	-4.33E-05	0.007616	3.38E-08	1.574	-3.23E-06
3309	0	20.522	-0.000131	0.008591	5.65E-08	1.578	0.000128
3309	1.640	20.522	-0.000131	0.008591	5.65E-08	1.592	-8.68E-05
3310	0	20.630	-0.000233	0.008524	-1.40E-07	1.597	0.000170
3310	1.640	20.630	-0.000233	0.008524	-1.40E-07	1.611	-0.000211
3401	0	20.501	-0.516497	-0.016287	0.006794	1.574	0.922527
3401	1.640	20.501	-0.516497	-0.016287	0.006794	1.547	0.075506
3402	0	20.404	-0.299506	-0.013252	0.005782	1.543	0.300136
3402	1.640	20.404	-0.299506	-0.013252	0.005782	1.521	-0.191034
3403	0	20.332	-0.119257	-0.009180	0.003986	1.518	0.066724
3403	1.640	20.332	-0.119257	-0.009180	0.003986	1.503	-0.128851
3404	0	20.303	-0.036367	-0.005254	0.002294	1.502	-0.000294
3404	1.640	20.303	-0.036367	-0.005254	0.002294	1.493	-0.059934
3405	0	20.295	-0.007242	-0.001681	0.000746	1.492	-0.014989
3405	1.640	20.295	-0.007242	-0.001681	0.000746	1.490	-0.026865
3406	0	20.295	0.007242	0.001680	-0.000746	1.490	-0.026865
3406	1.640	20.295	0.007242	0.001680	-0.000746	1.492	-0.014989
3407	0	20.304	0.036367	0.005254	-0.002294	1.493	-0.059934
3407	1.640	20.304	0.036367	0.005254	-0.002294	1.502	-0.000294
3408	0	20.332	0.119257	0.009177	-0.003986	1.503	-0.128851
3408	1.640	20.332	0.119257	0.009177	-0.003986	1.518	0.066723
3409	0	20.404	0.299506	0.013262	-0.005782	1.521	-0.191034
3409	1.640	20.404	0.299506	0.013262	-0.005782	1.543	0.300136
3410	0	20.501	0.516497	0.016282	-0.006794	1.547	0.075506
3410	1.640	20.501	0.516497	0.016282	-0.006794	1.574	0.922528
3501	0	16.069	-0.423753	0.020549	0.008968	1.265	0.652544
3501	1.640	16.069	-0.423753	0.020549	0.008968	1.299	-0.042382
3502	0	16.218	-0.171423	0.017555	0.006261	1.306	0.146854
3502	1.640	16.218	-0.171423	0.017555	0.006261	1.334	-0.134268
3503	0	16.360	-0.066465	0.012992	0.003931	1.339	0.036900
3503	1.640	16.360	-0.066465	0.012992	0.003931	1.360	-0.072099
3504	0	16.425	-0.023433	0.007907	0.002136	1.363	0.006086
3504	1.640	16.425	-0.023433	0.007907	0.002136	1.376	-0.032341
3505	0	16.447	-0.005353	0.002635	0.000675	1.377	-0.005573
3505	1.640	16.447	-0.005353	0.002635	0.000675	1.381	-0.014351
3506	0	16.447	0.005353	-0.002646	-0.000675	1.381	-0.014351
3506	1.640	16.447	0.005353	-0.002646	-0.000675	1.377	-0.005573
3507	0	16.425	0.023432	-0.007901	-0.002136	1.376	-0.032341
3507	1.640	16.425	0.023432	-0.007901	-0.002136	1.363	0.006086
3508	0	16.361	0.066465	-0.012990	-0.003931	1.360	-0.072098
3508	1.640	16.361	0.066465	-0.012990	-0.003931	1.339	0.036900
3509	0	16.218	0.171423	-0.017547	-0.006261	1.334	-0.134268
3509	1.640	16.218	0.171423	-0.017547	-0.006261	1.306	0.146854
3510	0	16.068	0.423753	-0.020551	-0.008968	1.299	-0.042382
3510	1.640	16.068	0.423753	-0.020551	-0.008968	1.265	0.652545
4101	0	14.229	-0.452590	0.341953	-0.002779	-1.262	0.664116
4101	1.390	14.229	-0.452590	0.341953	-0.002779	-0.786709	0.035041
4102	0	14.100	-0.221474	0.344618	-0.003912	-0.784454	0.189782
4102	1.390	14.100	-0.221474	0.344618	-0.003912	-0.305454	-0.118054
4103	0	13.954	-0.099321	0.346327	-0.005021	-0.301832	0.056729
4103	1.390	13.954	-0.099321	0.346327	-0.005021	0.179543	-0.081321
4104	0	13.869	-0.040977	0.346259	-0.005427	0.183816	0.020817
4104	1.390	13.869	-0.040977	0.346259	-0.005427	0.665096	-0.036140
4105	0	13.826	-0.019258	0.344192	-0.005018	0.669369	0.019279
4105	1.390	13.826	-0.019258	0.344192	-0.005018	1.148	-0.007489
4106	0	13.779	-0.032425	0.340120	-0.003727	1.151	0.046642
4106	1.390	13.779	-0.032425	0.340120	-0.003727	1.624	0.001573
4107	0	13.689	-0.094573	0.334075	-0.001421	1.626	0.112975
4107	1.390	13.689	-0.094573	0.334075	-0.001421	2.091	-0.018476
4108	0	13.483	-0.244617	0.326336	0.002088	2.091	0.227326
4108	1.390	13.483	-0.244617	0.326336	0.002088	2.544	-0.112678
4109	0	13.138	-0.590324	0.317608	0.006823	2.541	0.317933
4109	1.390	13.138	-0.590324	0.317608	0.006823	2.983	-0.502584
4110	0	12.905	-1.297	0.310232	0.011466	2.975	-0.204491
4110	1.390	12.905	-1.297	0.310232	0.011466	3.406	-2.008
4201	0	16.700	-0.533020	0.422200	-0.002068	-1.592	0.936910
4201	1.390	16.700	-0.533020	0.422200	-0.002068	-1.005	0.196042
4202	0	16.802	-0.355470	0.416499	-0.003424	-1.007	0.361674
4202	1.390	16.802	-0.355470	0.416499	-0.003424	-0.427891	-0.132409
4203	0	16.889	-0.171163	0.411959	-0.004470	-0.430334	0.106900
4203	1.390	16.889	-0.171163	0.411959	-0.004470	0.142266	-0.131007
4204	0	16.937	-0.060570	0.409665	-0.004779	0.139342	0.023255
4204	1.390	16.937	-0.060570	0.409665	-0.004779	0.708753	-0.060934
4205	0	16.955	-0.017673	0.409942	-0.004252	0.705771	0.027638
4205	1.390	16.955	-0.017673	0.409942	-0.004252	1.276	0.003074
4206	0	16.973	-0.036323	0.412983	-0.002827	1.273	0.092498
4206	1.390	16.973	-0.036323	0.412983	-0.002827	1.847	0.042010
4207	0	17.012	-0.153548	0.418985	-0.000459	1.845	0.224193

4207	1.390	17.012	-0.153548	0.418985	-0.000459	2.427	0.010770
4208	0	17.112	-0.455026	0.428118	0.002847	2.427	0.393584
4208	1.390	17.112	-0.455026	0.428118	0.002847	3.022	-0.238876
4209	0	17.313	-0.988572	0.439660	0.006849	3.023	0.362575
4209	1.390	17.313	-0.988572	0.439660	0.006849	3.634	-1.011
4210	0	17.487	-1.516	0.451048	0.009747	3.639	-0.716265
4210	1.390	17.487	-1.516	0.451048	0.009747	4.266	-2.823
4301	0	16.620	-0.000105	0.417689	-8.65E-08	-1.630	2.80E-05
4301	1.390	16.620	-0.000105	0.417689	-8.65E-08	-1.050	-0.000117
4302	0	16.670	6.00E-05	0.423767	9.06E-08	-1.051	-0.000106
4302	1.390	16.670	6.00E-05	0.423767	9.06E-08	-0.462460	-2.22E-05
4303	0	16.784	0.000180	0.429433	5.98E-08	-0.464702	-0.000176
4303	1.390	16.784	0.000180	0.429433	5.98E-08	0.132186	7.39E-05
4304	0	16.862	0.000224	0.434159	-4.21E-08	0.129598	-0.000177
4304	1.390	16.862	0.000224	0.434159	-4.21E-08	0.733054	0.000134
4305	0	16.916	0.000231	0.437749	-1.07E-07	0.730576	-0.000154
4305	1.390	16.916	0.000231	0.437749	-1.07E-07	1.339	0.000168
4306	0	16.967	0.000229	0.439830	-8.52E-08	1.337	-0.000122
4306	1.390	16.967	0.000229	0.439830	-8.52E-08	1.949	0.000197
4307	0	17.070	0.000204	0.439842	4.71E-08	1.948	-5.55E-05
4307	1.390	17.070	0.000204	0.439842	4.71E-08	2.559	0.000228
4308	0	17.283	8.33E-05	0.437112	2.44E-07	2.561	8.35E-05
4308	1.390	17.283	8.33E-05	0.437112	2.44E-07	3.168	0.000199
4309	0	17.578	-0.000215	0.431456	2.38E-07	3.172	0.000296
4309	1.390	17.578	-0.000215	0.431456	2.38E-07	3.772	-2.82E-06
4310	0	17.692	-0.000588	0.423463	-3.77E-07	3.778	0.000470
4310	1.390	17.692	-0.000588	0.423463	-3.77E-07	4.366	-0.000347
4401	0	16.701	0.532834	0.422199	0.002069	-1.592	-0.936933
4401	1.390	16.701	0.532834	0.422199	0.002069	-1.005	-0.196324
4402	0	16.799	0.355834	0.416500	0.003424	-1.007	-0.362149
4402	1.390	16.799	0.355834	0.416500	0.003424	-0.427900	0.132440
4403	0	16.892	0.171607	0.411960	0.004470	-0.430345	-0.107304
4403	1.390	16.892	0.171607	0.411960	0.004470	0.142257	0.131221
4404	0	16.937	0.060986	0.409664	0.004779	0.139334	-0.023555
4404	1.390	16.937	0.060986	0.409664	0.004779	0.708745	0.061211
4405	0	16.955	0.018070	0.409935	0.004252	0.705770	-0.027893
4405	1.390	16.955	0.018070	0.409935	0.004252	1.276	-0.002776
4406	0	16.973	0.036717	0.412989	0.002827	1.273	-0.092728
4406	1.390	16.973	0.036717	0.412989	0.002827	1.847	-0.041694
4407	0	17.012	0.153967	0.419000	0.000458	1.845	-0.224384
4407	1.390	17.012	0.153967	0.419000	0.000458	2.427	-0.010378
4408	0	17.112	0.455501	0.428113	-0.002849	2.427	-0.393633
4408	1.390	17.112	0.455501	0.428113	-0.002849	3.022	0.239487
4409	0	17.313	0.988819	0.439667	-0.006850	3.023	-0.362191
4409	1.390	17.313	0.988819	0.439667	-0.006850	3.634	1.012
4410	0	17.487	1.514	0.451041	-0.009744	3.639	0.717376
4410	1.390	17.487	1.514	0.451041	-0.009744	4.266	2.822
4501	0	14.229	0.452882	0.341956	0.002780	-1.262	-0.662638
4501	1.390	14.229	0.452882	0.341956	0.002780	-0.786699	-0.033158
4502	0	14.100	0.221051	0.344615	0.003912	-0.784443	-0.188247
4502	1.390	14.100	0.221051	0.344615	0.003912	-0.305448	0.119001
4503	0	13.957	0.098698	0.346326	0.005021	-0.301626	-0.056120
4503	1.390	13.957	0.098698	0.346326	0.005021	0.179548	0.081065
4504	0	13.869	0.040339	0.346253	0.005426	0.183824	-0.021333
4504	1.390	13.869	0.040339	0.346253	0.005426	0.665096	0.034736
4505	0	13.823	0.018631	0.344200	0.005018	0.669365	-0.020916
4505	1.390	13.823	0.018631	0.344200	0.005018	1.148	0.004980
4506	0	13.779	0.031804	0.340106	0.003727	1.151	-0.049380
4506	1.390	13.779	0.031804	0.340106	0.003727	1.624	-0.005175
4507	0	13.689	0.093950	0.334080	0.001419	1.626	-0.116814
4507	1.390	13.689	0.093950	0.334080	0.001419	2.091	0.013772
4508	0	13.485	0.244060	0.326342	-0.002090	2.091	-0.232329
4508	1.390	13.485	0.244060	0.326342	-0.002090	2.544	0.106901
4509	0	13.133	0.590292	0.317598	-0.006825	2.541	-0.324190
4509	1.390	13.133	0.590292	0.317598	-0.006825	2.983	0.496283
4510	0	12.905	1.299	0.310225	-0.011462	2.975	0.197755
4510	1.390	12.905	1.299	0.310225	-0.011462	3.406	2.004
5101	0	7.448	-1.313	0.238410	0.014324	-3.405	2.021
5101	1.270	7.448	-1.313	0.238410	0.014324	-3.102	0.352638
5102	0	7.288	-0.639086	0.244758	0.009983	-3.112	0.558366
5102	1.270	7.288	-0.639086	0.244758	0.009983	-2.801	-0.253242
5103	0	6.990	-0.267349	0.253105	0.005251	-2.806	0.112634
5103	1.270	6.990	-0.267349	0.253105	0.005251	-2.484	-0.226886
5104	0	6.805	-0.086875	0.261271	0.001426	-2.487	-0.007619
5104	1.270	6.805	-0.086875	0.261271	0.001426	-2.155	-0.117946
5105	0	6.752	0.009175	0.268554	-0.001448	-2.155	-0.044296
5105	1.270	6.752	0.009175	0.268554	-0.001448	-1.814	-0.032645
5106	0	6.773	0.067294	0.274750	-0.003541	-1.812	-0.059236
5106	1.270	6.773	0.067294	0.274750	-0.003541	-1.463	0.026224

5107	0	6.858	0.108298	0.279670	-0.005016	-1.460	-0.066393
5107	1.270	6.858	0.108298	0.279670	-0.005016	-1.104	0.071140
5108	0	6.981	0.141518	0.283307	-0.005967	-1.100	-0.066423
5108	1.270	6.981	0.141518	0.283307	-0.005967	-0.740540	0.113297
5109	0	7.130	0.163736	0.285591	-0.006331	-0.735891	-0.051814
5109	1.270	7.130	0.163736	0.285591	-0.006331	-0.373206	0.156121
5110	0	7.284	0.144636	0.285972	-0.005459	-0.368229	-0.014766
5110	1.270	7.284	0.144636	0.285972	-0.005459	-0.005061	0.168914
5201	0	7.527	-1.514	0.368357	0.011925	-4.264	2.850
5201	1.270	7.527	-1.514	0.368357	0.011925	-3.796	0.927500
5202	0	7.665	-1.038	0.358959	0.009633	-3.790	1.105
5202	1.270	7.665	-1.038	0.358959	0.009633	-3.335	-0.212432
5203	0	7.849	-0.505221	0.348565	0.005771	-3.332	0.271936
5203	1.270	7.849	-0.505221	0.348565	0.005771	-2.889	-0.369669
5204	0	7.949	-0.154151	0.339466	0.002216	-2.888	-0.045310
5204	1.270	7.949	-0.154151	0.339466	0.002216	-2.457	-0.241074
5205	0	7.982	0.025982	0.332450	-0.000742	-2.458	-0.122735
5205	1.270	7.982	0.025982	0.332450	-0.000742	-2.036	-0.089739
5206	0	7.962	0.115223	0.327357	-0.003087	-2.037	-0.122732
5206	1.270	7.962	0.115223	0.327357	-0.003087	-1.621	0.023595
5207	0	7.910	0.169636	0.323926	-0.004864	-1.624	-0.106719
5207	1.270	7.910	0.169636	0.323926	-0.004864	-1.212	0.108710
5208	0	7.831	0.206324	0.321738	-0.006114	-1.215	-0.081049
5208	1.270	7.831	0.206324	0.321738	-0.006114	-0.806014	0.180972
5209	0	7.732	0.209480	0.320620	-0.006778	-0.808723	-0.036139
5209	1.270	7.732	0.209480	0.320620	-0.006778	-0.401553	0.229890
5210	0	7.607	0.145069	0.320714	-0.006180	-0.404403	0.017915
5210	1.270	7.607	0.145069	0.320714	-0.006180	0.002887	0.202145
5301	0	7.323	-0.000605	0.337748	-3.03E-07	-4.363	0.000359
5301	1.270	7.323	-0.000605	0.337748	-3.03E-07	-3.934	-0.000410
5302	0	7.356	-0.000282	0.343913	3.02E-07	-3.928	1.73E-05
5302	1.270	7.356	-0.000282	0.343913	3.02E-07	-3.491	-0.000341
5303	0	7.586	5.00E-06	0.348067	3.86E-07	-3.486	-0.000180
5303	1.270	7.586	5.00E-06	0.348067	3.86E-07	-3.044	-0.000174
5304	0	7.745	0.000143	0.349859	1.96E-07	-3.041	-0.000216
5304	1.270	7.745	0.000143	0.349859	1.96E-07	-2.597	-3.45E-05
5305	0	7.811	0.000182	0.349291	2.22E-09	-2.596	-0.000187
5305	1.270	7.811	0.000182	0.349291	2.22E-09	-2.153	4.42E-05
5306	0	7.791	0.000191	0.347137	-1.19E-07	-2.153	-0.000160
5306	1.270	7.791	0.000191	0.347137	-1.19E-07	-1.713	8.29E-05
5307	0	7.732	0.000200	0.344155	-1.72E-07	-1.715	-0.000145
5307	1.270	7.732	0.000200	0.344155	-1.72E-07	-1.278	0.000109
5308	0	7.640	0.000208	0.341226	-1.67E-07	-1.281	-0.000128
5308	1.270	7.640	0.000208	0.341226	-1.67E-07	-0.847346	0.000136
5309	0	7.548	0.000197	0.338909	-1.09E-07	-0.851124	-9.26E-05
5309	1.270	7.548	0.000197	0.338909	-1.09E-07	-0.420728	0.000157
5310	0	7.482	0.000137	0.337968	-2.68E-08	-0.424897	-3.65E-05
5310	1.270	7.482	0.000137	0.337968	-2.68E-08	0.004304	0.000137
5401	0	7.527	1.513	0.368370	-0.011921	-4.264	-2.850
5401	1.270	7.527	1.513	0.368370	-0.011921	-3.796	-0.928575
5402	0	7.665	1.038	0.358947	-0.009634	-3.790	-1.106
5402	1.270	7.665	1.038	0.358947	-0.009634	-3.335	0.211869
5403	0	7.849	0.505612	0.348569	-0.005773	-3.332	-0.272565
5403	1.270	7.849	0.505612	0.348569	-0.005773	-2.889	0.369536
5404	0	7.949	0.154506	0.339454	-0.002216	-2.888	0.044912
5404	1.270	7.949	0.154506	0.339454	-0.002216	-2.457	0.241126
5405	0	7.982	-0.025666	0.332472	0.000741	-2.458	0.122443
5405	1.270	7.982	-0.025666	0.332472	0.000741	-2.036	0.089849
5406	0	7.962	-0.114909	0.327372	0.003088	-2.037	0.122467
5406	1.270	7.962	-0.114909	0.327372	0.003088	-1.621	-0.023461
5407	0	7.910	-0.169311	0.323903	0.004865	-1.623	0.106464
5407	1.270	7.910	-0.169311	0.323903	0.004865	-1.212	-0.108553
5408	0	7.831	-0.205984	0.321749	0.006114	-1.215	0.080812
5408	1.270	7.831	-0.205984	0.321749	0.006114	-0.806010	-0.180776
5409	0	7.732	-0.209130	0.320613	0.006778	-0.808722	0.035943
5409	1.270	7.732	-0.209130	0.320613	0.006778	-0.401561	-0.229636
5410	0	7.607	-0.144789	0.320717	0.006180	-0.404406	-0.018013
5410	1.270	7.607	-0.144789	0.320717	0.006180	0.002887	-0.201887
5501	0	7.448	1.315	0.238409	-0.014319	-3.405	-2.016
5501	1.270	7.448	1.315	0.238409	-0.014319	-3.102	-0.345886
5502	0	7.288	0.639298	0.244768	-0.009984	-3.112	-0.551860
5502	1.270	7.288	0.639298	0.244768	-0.009984	-2.801	0.260015
5503	0	6.990	0.266953	0.253086	-0.005253	-2.806	-0.106234
5503	1.270	6.990	0.266953	0.253086	-0.005253	-2.484	0.232783
5504	0	6.811	0.086378	0.261260	-0.001428	-2.487	0.013275
5504	1.270	6.811	0.086378	0.261260	-0.001428	-2.155	0.122970
5505	0	6.752	-0.009673	0.268558	0.001448	-2.155	0.049142
5505	1.270	6.752	-0.009673	0.268558	0.001448	-1.814	0.036858

5506	0	6.773	-0.067800	0.274747	0.003542	-1.812	0.063287
5506	1.270	6.773	-0.067800	0.274747	0.003542	-1.463	-0.022815
.							
5507	0	6.858	-0.108822	0.279665	0.005017	-1.460	0.069644
5507	1.270	6.858	-0.108822	0.279665	0.005017	-1.104	-0.068554
.							
5508	0	6.981	-0.142066	0.283321	0.005968	-1.100	0.068854
5508	1.270	6.981	-0.142066	0.283321	0.005968	-0.740527	-0.111561
.							
5509	0	7.130	-0.164282	0.285579	0.006331	-0.735879	0.053388
5509	1.270	7.130	-0.164282	0.285579	0.006331	-0.373210	-0.155242
.							
5510	0	7.289	-0.145052	0.285969	0.005459	-0.368225	0.015458
5510	1.270	7.289	-0.145052	0.285969	0.005459	-0.005060	-0.168751
.							
11201	0	-0.242158	3.59E-05	4.221	-4.245	-3.437	-0.004756
11201	0.825	-0.242158	3.59E-05	4.221	-4.245	0.045789	-0.004726
.							
11202	0	0.313831	-0.000182	4.211	-4.311	-3.433	0.000978
11202	0.825	0.313831	-0.000182	4.211	-4.311	0.041171	0.000828
.							
11203	0	-4.110	3.16E-05	-0.242510	-0.004724	-1.46E-06	4.245
11203	0.300	-4.110	3.16E-05	-0.242510	-0.004724	-0.072752	4.245
.							
11204	0	4.112	0.000186	0.317584	-0.000825	1.91E-06	4.311
11204	0.300	4.112	0.000186	0.317584	-0.000825	0.095273	4.311
.							
11205	0	10.407	1.647	-4.69E-13	-0.005764	-5.63E-18	-0.760648
11205	0.600	10.407	1.647	-4.69E-13	-0.005764	-2.81E-13	0.227415
.							
11208	0	0.139479	-0.059574	12.667	4.118	0.140003	0.195183
11208	4.500	0.139479	-0.059574	12.667	4.118	57.137	-0.072889
.							
11209	0	0.139478	0.059574	12.667	-4.119	0.139915	-0.195182
11209	4.500	0.139478	0.059574	12.667	-4.119	57.137	0.072890
.							
11210	0	0.123132	-0.016081	14.284	-0.278153	60.231	0.017523
11210	4.500	0.123132	-0.016081	14.284	-0.278153	124.505	-0.054837
.							
11211	0	0.123130	0.016081	14.284	0.278007	60.231	-0.017523
11211	4.500	0.123130	0.016081	14.284	0.278007	124.505	0.054838
.							
11259	0	0.005362	4.64E-06	-1.53E-07	5.72E-05	-0.009572	10.699
11259	4.000	0.005362	4.64E-06	-1.53E-07	5.72E-05	-0.009573	10.699
.							
11260	0	-0.004320	-20.604	0.197336	-187.029	-0.164920	29.678
11260	2.000	-0.004320	-20.604	0.197336	-187.029	0.229736	-11.529
.							
11261	0	-0.004320	20.604	-0.197332	187.029	0.229728	-11.529
11261	2.000	-0.004320	20.604	-0.197332	187.029	-0.164921	29.678
.							
11270	0	0.394668	6.98E-07	41.210	-0.000691	374.058	8.27E-06
11270	0.200	0.394668	6.98E-07	41.210	-0.000691	382.299	8.41E-06
.							
11271	0	0.060070	-7.938	-0.007295	-5.065	0.014074	38.424
11271	4.924	0.060070	-7.938	-0.007295	-5.065	-0.021849	-0.663222
.							
11272	0	0.060071	7.938	-0.007295	5.065	0.014073	-38.425
11272	4.924	0.060071	7.938	-0.007295	5.065	-0.021849	0.663070
.							
11273	0	0.069013	-6.321	0.034050	-19.563	-0.094916	-28.207
11273	6.021	0.069013	-6.321	0.034050	-19.563	0.110086	-66.262
.							
11274	0	0.069014	6.321	0.034050	19.563	-0.094917	28.208
11274	6.021	0.069014	6.321	0.034050	19.563	0.110086	66.262
.							
11281	0	0.006702	-8.222	0.071361	-0.615567	-0.003897	8.536
11281	2.310	0.006702	-8.222	0.071361	-0.615567	0.160917	-10.454
.							
11282	0	0.012038	-16.422	0.154926	-1.375	0.158439	0.640997
11282	0.301	0.012038	-16.422	0.154926	-1.375	0.205051	-4.300
.							
11283	0	-0.059365	-3.809	0.015918	-1.561	0.009864	-0.071739
11283	2.000	-0.059365	-3.809	0.015918	-1.561	0.041700	-7.690
.							
11284	0	-0.059364	3.809	-0.015919	1.561	0.041700	-7.690
11284	2.000	-0.059364	3.809	-0.015919	1.561	0.009863	-0.072427
.							
11285	0	0.012088	16.462	-0.154921	1.375	0.205049	-4.307
11285	0.301	0.012088	16.462	-0.154921	1.375	0.158438	0.646125
.							
11286	0	0.006702	8.222	-0.071360	0.615340	0.160915	-10.457
11286	2.310	0.006702	8.222	-0.071360	0.615340	-0.003896	8.533
.							
11301	0	-0.341856	0.000385	1.518	-1.588	-1.257	0.006604
11301	0.825	-0.341856	0.000385	1.518	-1.588	-0.005055	0.006922
.							
11302	0	-0.017452	0.000303	1.503	-1.639	-1.247	0.007686
11302	0.825	-0.017452	0.000303	1.503	-1.639	-0.007460	0.007936
.							
11303	0	-1.530	0.000397	-0.340949	0.006924	-2.05E-06	1.588
11303	0.300	-1.530	0.000397	-0.340949	0.006924	-0.102282	1.588
.							
11304	0	1.521	-0.000315	-0.017071	-0.007949	-1.02E-07	1.639
11304	0.300	1.521	-0.000315	-0.017071	-0.007949	-0.005121	1.639
.							
11305	0	15.342	0.565317	1.70E-13	-0.001068	2.04E-13	-0.378609
11305	0.600	15.342	0.565317	1.70E-13	-0.001068	1.02E-13	-0.039430
.							
11308	0	-0.691294	0.300890	4.698	1.494	-0.010210	-0.986902
11308	4.500	-0.691294	0.300890	4.698	1.494	21.130	0.367051
.							
11309	0	-0.691292	-0.300891	4.698	-1.494	-0.010284	0.986901
11309	4.500	-0.691292	-0.300891	4.698	-1.494	21.130	-0.367052
.							
11310	0	-0.606631	0.079672	5.299	-0.105697	22.295	-0.086801
11310	4.500	-0.606631	0.079672	5.299	-0.105697	46.139	0.271708
.							
11311	0	-0.606626	-0.079672	5.299	0.105659	22.295	0.086800
11311	4.500	-0.606626	-0.079672	5.299	0.105659	46.139	-0.271709
.							
11359	0	-0.031515	-2.12E-05	1.11E-07	1.91E-05	0.048578	3.978
11359	4.000	-0.031515	-2.12E-05	1.11E-07	1.91E-05	0.048578	3.978
.							
11360	0	0.021543	-7.647	-0.973007	-69.314	0.813521	11.007
11360	2.000	0.021543	-7.647	-0.973007	-69.314	-1.132	-4.286
.							
11361	0	0.021542	7.647	0.973000	69.314	-1.132	-4.286

11361	2.000	0.021542	7.647	0.973000	69.314	0.813522	11.007
.							
11370	0	-1.946	-9.67E-07	15.294	-0.000181	138.627	-1.37E-05
11370	0.200	-1.946	-9.67E-07	15.294	-0.000181	141.686	-1.39E-05
.							
11371	0	-0.293369	-2.949	0.033551	-1.876	-0.062879	14.237
11371	4.924	-0.293369	-2.949	0.033551	-1.876	0.102337	-0.282834
.							
11372	0	-0.293370	2.949	0.033551	1.876	-0.062877	-14.237
11372	4.924	-0.293370	2.949	0.033551	1.876	0.102337	0.282803
.							
11373	0	-0.341075	-2.348	-0.167757	-7.248	0.468169	-10.427
11373	6.021	-0.341075	-2.348	-0.167757	-7.248	-0.541824	-24.563
.							
11374	0	-0.341077	2.348	-0.167758	7.248	0.468171	10.427
11374	6.021	-0.341077	2.348	-0.167758	7.248	-0.541824	24.563
.							
11381	0	-0.033533	-3.051	-0.357735	-0.197918	0.014856	3.223
11381	2.310	-0.033533	-3.051	-0.357735	-0.197918	-0.811357	-3.824
.							
11382	0	-0.059805	-6.139	-0.767635	-0.442058	-0.807965	0.346894
11382	0.301	-0.059805	-6.139	-0.767635	-0.442058	-1.039	-1.500
.							
11383	0	0.299941	-1.416	-0.078667	-0.565805	-0.052001	0.035822
11383	2.000	0.299941	-1.416	-0.078667	-0.565805	-0.209329	-2.796
.							
11384	0	0.299940	1.416	0.078667	0.565836	-0.209329	-2.796
11384	2.000	0.299940	1.416	0.078667	0.565836	-0.052001	0.035697
.							
11385	0	-0.059805	6.089	0.767631	0.442044	-1.039	-1.493
11385	0.301	-0.059805	6.089	0.767631	0.442044	-0.807965	0.339067
.							
11386	0	-0.033534	3.051	0.357736	0.197839	-0.811358	-3.825
11386	2.310	-0.033534	3.051	0.357736	0.197839	0.014857	3.222
.							
11401	0	-0.017444	0.000303	-1.505	1.639	1.248	0.007671
11401	0.825	-0.017444	0.000303	-1.505	1.639	0.006471	0.007921
.							
11402	0	-0.341868	0.000381	-1.580	1.588	1.283	0.006594
11402	0.825	-0.341868	0.000381	-1.580	1.588	-0.020804	0.006908
.							
11403	0	1.521	0.000315	-0.018171	0.007950	-1.09E-07	-1.639
11403	0.300	1.521	0.000315	-0.018171	0.007950	-0.005451	-1.639
.							
11404	0	-1.530	-0.000397	-0.341224	-0.006923	-2.05E-06	-1.588
11404	0.300	-1.530	-0.000397	-0.341224	-0.006923	-0.102365	-1.588
.							
11405	0	15.342	-0.565295	6.19E-13	0.001067	7.43E-18	-0.039437
11405	0.600	15.342	-0.565295	6.19E-13	0.001067	3.71E-13	-0.378604
.							
11408	0	-0.691294	0.300890	-4.698	-1.494	0.010313	-0.986902
11408	4.500	-0.691294	0.300890	-4.698	-1.494	-21.130	0.367051
.							
11409	0	-0.691292	-0.300891	-4.698	1.494	0.010350	0.986901
11409	4.500	-0.691292	-0.300891	-4.698	1.494	-21.130	-0.367053
.							
11410	0	-0.606631	0.079672	-5.299	0.105697	-22.295	-0.086801
11410	4.500	-0.606631	0.079672	-5.299	0.105697	-46.139	0.271708
.							

11411	0	-0.606626	-0.079672	-5.299	-0.105659	-22.295	0.086800
11411	4.500	-0.606626	-0.079672	-5.299	-0.105659	-46.139	-0.271709
.							
11459	0	-0.031515	-1.62E-05	1.11E-07	-1.43E-05	0.048578	-3.978
11459	4.000	-0.031515	-1.62E-05	1.11E-07	-1.43E-05	0.048578	-3.978
.							
11460	0	0.021543	7.647	-0.973006	69.314	0.813521	-11.007
11460	2.000	0.021543	7.647	-0.973006	69.314	-1.132	4.286
.							
11461	0	0.021542	-7.647	0.973000	-69.314	-1.132	4.286
11461	2.000	0.021542	-7.647	0.973000	-69.314	0.813522	-11.007
.							
11470	0	-1.946	-9.68E-07	-15.294	0.000181	-138.627	-1.37E-05
11470	0.200	-1.946	-9.68E-07	-15.294	0.000181	-141.686	-1.39E-05
.							
11471	0	-0.293369	2.949	0.033551	1.876	-0.062879	-14.237
11471	4.924	-0.293369	2.949	0.033551	1.876	0.102337	0.282789
.							
11472	0	-0.293370	-2.949	0.033551	-1.876	-0.062877	14.237
11472	4.924	-0.293370	-2.949	0.033551	-1.876	0.102337	-0.282789
.							
11473	0	-0.341075	2.348	-0.167757	7.248	0.468169	10.427
11473	6.021	-0.341075	2.348	-0.167757	7.248	-0.541824	24.563
.							
11474	0	-0.341077	-2.348	-0.167758	-7.248	0.468171	-10.427
11474	6.021	-0.341077	-2.348	-0.167758	-7.248	-0.541825	-24.563
.							
11481	0	-0.033534	3.051	-0.357735	0.197918	0.014856	-3.223
11481	2.310	-0.033534	3.051	-0.357735	0.197918	-0.811357	3.824
.							
11482	0	-0.059805	6.086	-0.767639	0.442087	-0.807964	-0.339004
11482	0.301	-0.059805	6.086	-0.767639	0.442087	-1.039	1.492
.							
11483	0	0.299941	1.416	-0.078667	0.565805	-0.052001	-0.035991
11483	2.000	0.299941	1.416	-0.078667	0.565805	-0.209329	2.796
.							
11484	0	0.299940	-1.416	0.078667	-0.565836	-0.209329	2.796
11484	2.000	0.299940	-1.416	0.078667	-0.565836	-0.052000	-0.035966
.							
11485	0	-0.059805	-6.087	0.767637	-0.442044	-1.039	1.493
11485	0.301	-0.059805	-6.087	0.767637	-0.442044	-0.807964	-0.338820
.							
11486	0	-0.033534	-3.051	0.357736	-0.197839	-0.811358	3.825
11486	2.310	-0.033534	-3.051	0.357736	-0.197839	0.014857	-3.222
.							
11501	0	0.313839	-0.000177	-3.946	4.311	3.324	0.000944
11501	0.825	0.313839	-0.000177	-3.946	4.311	0.068291	0.000798
.							
11502	0	-0.242165	3.79E-05	-4.229	4.245	3.440	-0.004759
11502	0.825	-0.242165	3.79E-05	-4.229	4.245	-0.048847	-0.004728
.							
11503	0	4.112	-0.000186	0.309247	0.000833	1.86E-06	-4.311
11503	0.300	4.112	-0.000186	0.309247	0.000833	0.092772	-4.311
.							
11504	0	-4.110	-3.16E-05	-0.238468	0.004732	-1.43E-06	-4.245
11504	0.300	-4.110	-3.16E-05	-0.238468	0.004732	-0.071539	-4.245
.							
11505	0	10.407	-1.647	1.67E-12	0.005757	2.01E-17	0.227399
11505	0.600	10.407	-1.647	1.67E-12	0.005757	1.00E-12	-0.760653

.							
11508	0	0.139478	-0.059574	-12.666	-4.118	-0.140061	0.195182
11508	4.500	0.139478	-0.059574	-12.666	-4.118	-57.137	-0.072889
.							
11509	0	0.139477	0.059574	-12.667	4.119	-0.140061	-0.195181
11509	4.500	0.139477	0.059574	-12.667	4.119	-57.137	0.072890
.							
11510	0	0.123131	-0.016080	-14.284	0.278153	-60.231	0.017523
11510	4.500	0.123131	-0.016080	-14.284	0.278153	-124.505	-0.054836
.							
11511	0	0.123129	0.016081	-14.284	-0.278007	-60.231	-0.017523
11511	4.500	0.123129	0.016081	-14.284	-0.278007	-124.505	0.054837
.							
11559	0	0.005362	-5.22E-06	-1.52E-07	-7.63E-05	-0.009572	-10.699
11559	4.000	0.005362	-5.22E-06	-1.52E-07	-7.63E-05	-0.009573	-10.699
.							
11560	0	-0.004320	20.604	0.197335	187.029	-0.164919	-29.678
11560	2.000	-0.004320	20.604	0.197335	187.029	0.229735	11.529
.							
11561	0	-0.004319	-20.604	-0.197331	-187.029	0.229726	11.529
11561	2.000	-0.004319	-20.604	-0.197331	-187.029	-0.164920	-29.678
.							
11570	0	0.394666	6.98E-07	-41.210	0.000691	-374.058	8.27E-06
11570	0.200	0.394666	6.98E-07	-41.210	0.000691	-382.299	8.41E-06
.							
11571	0	0.060070	7.938	-0.007295	5.065	0.014074	-38.424
11571	4.924	0.060070	7.938	-0.007295	5.065	-0.021849	0.663494
.							
11572	0	0.060071	-7.938	-0.007295	-5.065	0.014073	38.425
11572	4.924	0.060071	-7.938	-0.007295	-5.065	-0.021849	-0.663414
.							
11573	0	0.069013	6.321	0.034050	19.563	-0.094915	28.207
11573	6.021	0.069013	6.321	0.034050	19.563	0.110085	66.262
.							
11574	0	0.069014	-6.321	0.034050	-19.563	-0.094916	-28.208
11574	6.021	0.069014	-6.321	0.034050	-19.563	0.110085	-66.262
.							
11581	0	0.006702	8.222	0.071360	0.615567	-0.003896	-8.536
11581	2.310	0.006702	8.222	0.071360	0.615567	0.160915	10.454
.							
11582	0	0.012088	16.421	0.154930	1.375	0.158437	-0.640887
11582	0.301	0.012088	16.421	0.154930	1.375	0.205051	4.300
.							
11583	0	-0.059364	3.808	0.015918	1.561	0.009864	0.072424
11583	2.000	-0.059364	3.808	0.015918	1.561	0.041699	7.689
.							
11584	0	-0.059364	-3.808	-0.015919	-1.561	0.041700	-7.689
11584	2.000	-0.059364	-3.808	-0.015919	-1.561	0.009863	0.073112
.							
11585	0	0.012088	-16.461	-0.154925	-1.375	0.205048	4.307
11585	0.301	0.012088	-16.461	-0.154925	-1.375	0.158436	-0.645957
.							
11586	0	0.006702	-8.222	-0.071359	-0.615330	0.160913	10.457
11586	2.310	0.006702	-8.222	-0.071359	-0.615330	-0.003896	-8.533
.							
12201	0	-0.369637	0.000151	4.125	-5.521	-4.274	-0.001423
12201	1.036	-0.369637	0.000151	4.125	-5.521	-0.000245	-0.001267
.							
12202	0	0.453312	-0.000200	4.190	-5.586	-4.308	-0.001010
12202	1.036	0.453312	-0.000200	4.190	-5.586	0.032346	-0.001217
.							
12203	0	-4.126	0.000147	-0.368038	-0.001264	-2.21E-06	5.521
12203	0.300	-4.126	0.000147	-0.368038	-0.001264	-0.110409	5.521
.							
12204	0	4.128	0.000202	0.454257	0.001218	2.73E-06	5.586
12204	0.300	4.128	0.000202	0.454257	0.001218	0.136275	5.586
.							
12205	0	12.349	1.594	-4.60E-13	-0.000177	-5.52E-18	-0.805463
12205	0.600	12.349	1.594	-4.60E-13	-0.000177	-2.76E-13	0.151135
.							
12301	0	-0.425221	0.000185	1.531	-2.058	-1.590	0.002153
12301	1.036	-0.425221	0.000185	1.531	-2.058	-0.003114	0.002344
.							
12302	0	0.014566	5.36E-05	1.533	-2.108	-1.584	0.001024
12302	1.036	0.014566	5.36E-05	1.533	-2.108	0.003806	0.001080
.							
12303	0	-1.537	0.000184	-0.423815	0.002333	-2.54E-06	2.058
12303	0.300	-1.537	0.000184	-0.423815	0.002333	-0.127141	2.058
.							
12304	0	1.526	-5.34E-05	0.013740	-0.001080	8.24E-08	2.108
12304	0.300	1.526	-5.34E-05	0.013740	-0.001080	0.004122	2.108
.							
12305	0	18.466	0.553959	1.97E-13	0.001423	2.36E-18	-0.413815
12305	0.600	18.466	0.553959	1.97E-13	0.001423	1.18E-13	-0.081451
.							
12401	0	0.014551	4.98E-05	-1.535	2.108	1.585	0.001012
12401	1.036	0.014551	4.98E-05	-1.535	2.108	-0.004809	0.001063
.							
12402	0	-0.425231	0.000183	-1.528	2.058	1.588	0.002142
12402	1.036	-0.425231	0.000183	-1.528	2.058	0.004976	0.002331
.							
12403	0	1.526	5.34E-05	0.015390	0.001081	9.23E-08	-2.108
12403	0.300	1.526	5.34E-05	0.015390	0.001081	0.004617	-2.108
.							
12404	0	-1.537	-0.000184	-0.425464	-0.002333	-2.55E-06	-2.058
12404	0.300	-1.537	-0.000184	-0.425464	-0.002333	-0.127636	-2.058
.							
12405	0	18.471	-0.553967	6.15E-13	-0.001424	7.38E-18	-0.081449
12405	0.600	18.471	-0.553967	6.15E-13	-0.001424	3.69E-13	-0.413819
.							
12501	0	0.453303	-0.000202	-4.195	5.586	4.311	-0.001040
12501	1.036	0.453303	-0.000202	-4.195	5.586	-0.034639	-0.001250
.							
12502	0	-0.369593	0.000150	-4.130	5.521	4.277	-0.001427
12502	1.036	-0.369593	0.000150	-4.130	5.521	-0.002477	-0.001271
.							
12503	0	4.128	-0.000202	0.450533	-0.001209	2.70E-06	-5.586
12503	0.300	4.128	-0.000202	0.450533	-0.001209	0.135157	-5.586
.							
12504	0	-4.126	-0.000147	-0.367664	0.001273	-2.21E-06	-5.521
12504	0.300	-4.126	-0.000147	-0.367664	0.001273	-0.110297	-5.521
.							
12505	0	12.349	-1.594	1.66E-12	0.000168	1.99E-17	0.151137
12505	0.600	12.349	-1.594	1.66E-12	0.000168	9.97E-13	-0.805475
.							
13201	0	-0.327818	6.70E-08	4.169	9.45E-05	-4.393	-2.95E-08
13201	1.059	-0.327818	6.70E-08	4.169	9.45E-05	0.021359	4.15E-08
.							

13202	0	0.411697	7.48E-08	4.031	0.000114	-4.321	-1.02E-08
13202	1.059	0.411697	7.48E-08	4.031	0.000114	-0.052705	6.90E-08
.							
13203	0	-4.128	6.87E-08	-0.329398	4.23E-08	-1.98E-06	-9.45E-05
13203	0.300	-4.128	6.87E-08	-0.329398	4.23E-08	-0.098817	-9.45E-05
.							
13204	0	4.130	-7.49E-08	0.412847	-6.91E-08	2.48E-06	-0.000114
13204	0.300	4.130	-7.49E-08	0.412847	-6.91E-08	0.123852	-0.000114
.							
13205	0	12.328	0.000680	-4.55E-13	-2.93E-08	-5.46E-18	-0.000107
13205	0.600	12.328	0.000680	-4.55E-13	-2.93E-08	-2.73E-13	0.000301
.							
13301	0	-0.411866	-1.18E-07	1.525	4.89E-05	-1.622	-1.86E-08
13301	1.059	-0.411866	-1.18E-07	1.525	4.89E-05	-0.007410	-1.44E-07
.							
13302	0	0.005770	-1.17E-07	1.530	4.28E-05	-1.618	-1.63E-08
13302	1.059	0.005770	-1.17E-07	1.530	4.28E-05	0.001795	-1.40E-07
.							
13303	0	-1.539	-1.18E-07	-0.412426	-1.43E-07	-2.47E-06	-4.89E-05
13303	0.300	-1.539	-1.18E-07	-0.412426	-1.43E-07	-0.123725	-4.89E-05
.							
13304	0	1.526	1.15E-07	0.006561	1.39E-07	3.94E-08	-4.28E-05
13304	0.300	1.526	1.15E-07	0.006561	1.39E-07	0.001968	-4.28E-05
.							
13305	0	18.529	0.000191	1.99E-13	-4.28E-09	2.39E-18	-8.83E-05
13305	0.600	18.529	0.000191	1.99E-13	-4.28E-09	1.19E-13	2.66E-05
.							
13401	0	0.005764	-1.13E-07	-1.532	-4.28E-05	1.619	-1.79E-08
13401	1.059	0.005764	-1.13E-07	-1.532	-4.28E-05	-0.002822	-1.38E-07
.							
13402	0	-0.411860	-1.19E-07	-1.521	-4.89E-05	1.620	-1.82E-08
13402	1.059	-0.411860	-1.19E-07	-1.521	-4.89E-05	0.009291	-1.44E-07
.							
13403	0	1.526	-1.15E-07	0.006518	-1.39E-07	3.91E-08	4.28E-05
13403	0.300	1.526	-1.15E-07	0.006518	-1.39E-07	0.001955	4.28E-05
.							
13404	0	-1.539	1.18E-07	-0.412469	1.43E-07	-2.47E-06	4.89E-05
13404	0.300	-1.539	1.18E-07	-0.412469	1.43E-07	-0.123738	4.89E-05
.							
13405	0	18.529	-0.000191	6.09E-13	4.29E-09	7.31E-18	2.66E-05
13405	0.600	18.529	-0.000191	6.09E-13	4.29E-09	3.66E-13	-8.83E-05
.							
13501	0	0.411681	7.47E-08	-4.163	-0.000114	4.391	-9.55E-09
13501	1.059	0.411681	7.47E-08	-4.163	-0.000114	-0.017392	6.96E-08
.							
13502	0	-0.327834	6.88E-08	-4.174	-9.45E-05	4.396	-3.04E-08
13502	1.059	-0.327834	6.88E-08	-4.174	-9.45E-05	-0.024069	4.25E-08
.							
13503	0	4.130	7.49E-08	0.410945	6.89E-08	2.47E-06	0.000114
13503	0.300	4.130	7.49E-08	0.410945	6.89E-08	0.123281	0.000114
.							
13504	0	-4.128	-6.87E-08	-0.326014	-4.25E-08	-1.96E-06	9.45E-05
13504	0.300	-4.128	-6.87E-08	-0.326014	-4.25E-08	-0.097802	9.45E-05
.							
13505	0	12.349	-0.000680	1.64E-12	2.95E-08	1.97E-17	0.000301
13505	0.600	12.349	-0.000680	1.64E-12	2.95E-08	9.87E-13	-0.000107
.							
14201	0	-0.369590	-0.000148	4.114	5.521	-4.268	0.001420
14201	1.036	-0.369590	-0.000148	4.114	5.521	-0.006262	0.001267
.							
14202	0	0.453312	0.000200	4.182	5.587	-4.304	0.001011
14202	1.036	0.453312	0.000200	4.182	5.587	0.028048	0.001218
.							
14203	0	-4.126	-0.000147	-0.370781	0.001263	-2.22E-06	-5.521
14203	0.300	-4.126	-0.000147	-0.370781	0.001263	-0.111232	-5.521
.							
14204	0	4.128	-0.000202	0.453714	-0.001219	2.72E-06	-5.587
14204	0.300	4.128	-0.000202	0.453714	-0.001219	0.136112	-5.587
.							
14205	0	12.349	-1.592	-4.60E-13	0.000174	-5.52E-18	0.805121
14205	0.600	12.349	-1.592	-4.60E-13	0.000174	-2.76E-13	-0.150198
.							
14301	0	-0.425221	-0.000182	1.525	2.059	-1.586	-0.002155
14301	1.036	-0.425221	-0.000182	1.525	2.059	-0.006373	-0.002344
.							
14302	0	0.014542	-5.34E-05	1.533	2.108	-1.584	-0.001025
14302	1.036	0.014542	-5.34E-05	1.533	2.108	0.003520	-0.001080
.							
14303	0	-1.537	-0.000184	-0.425567	-0.002334	-2.55E-06	-2.059
14303	0.300	-1.537	-0.000184	-0.425567	-0.002334	-0.127667	-2.059
.							
14304	0	1.526	5.36E-05	0.015836	0.001080	9.50E-08	-2.108
14304	0.300	1.526	5.36E-05	0.015836	0.001080	0.004751	-2.108
.							
14305	0	18.466	-0.553277	1.97E-13	-0.001423	2.36E-18	0.413563
14305	0.600	18.466	-0.553277	1.97E-13	-0.001423	1.18E-13	0.081608
.							
14401	0	0.014575	-5.49E-05	-1.535	-2.108	1.585	-0.001009
14401	1.036	0.014575	-5.49E-05	-1.535	-2.108	-0.004523	-0.001066
.							
14402	0	-0.425207	-0.000185	-1.556	-2.059	1.602	-0.002142
14402	1.036	-0.425207	-0.000185	-1.556	-2.059	-0.009465	-0.002333
.							
14403	0	1.526	-5.36E-05	0.013088	-0.001081	7.85E-08	2.108
14403	0.300	1.526	-5.36E-05	0.013088	-0.001081	0.003926	2.108
.							
14404	0	-1.537	0.000184	-0.425567	0.002333	-2.55E-06	2.059
14404	0.300	-1.537	0.000184	-0.425567	0.002333	-0.127667	2.059
.							
14405	0	18.466	0.553272	6.15E-13	0.001424	7.38E-18	0.081610
14405	0.600	18.466	0.553272	6.15E-13	0.001424	3.69E-13	0.413563
.							
14501	0	0.453303	0.000203	-4.186	-5.587	4.306	0.001041
14501	1.036	0.453303	0.000203	-4.186	-5.587	-0.030340	0.001251
.							
14502	0	-0.369593	-0.000146	-4.119	-5.521	4.270	0.001121
14502	1.036	-0.369593	-0.000146	-4.119	-5.521	0.003540	0.001272
.							
14503	0	4.128	0.000202	0.456587	0.001210	2.74E-06	5.587
14503	0.300	4.128	0.000202	0.456587	0.001210	0.136973	5.587
.							
14504	0	-4.126	0.000147	-0.371505	-0.001272	-2.23E-06	5.521
14504	0.300	-4.126	0.000147	-0.371505	-0.001272	-0.111449	5.521
.							
14505	0	12.349	1.592	1.66E-12	-0.000165	1.99E-17	-0.150198
14505	0.600	12.349	1.592	1.66E-12	-0.000165	9.97E-13	0.805129
.							
15201	0	-0.242158	-2.67E-05	4.156	4.244	-3.410	0.004751

15201	0.825	-0.242158	-2.67E-05	4.156	4.244	0.018890	0.004729
.							
15202	0	0.313831	0.000183	4.158	4.310	-3.411	-0.000979
15202	0.825	0.313831	0.000183	4.158	4.310	0.019190	-0.000824
.							
15203	0	-4.110	-3.14E-05	-0.245422	0.004723	-1.47E-06	-4.244
15203	0.300	-4.110	-3.14E-05	-0.245422	0.004723	-0.073625	-4.244
.							
15204	0	4.112	-0.000186	0.315771	0.000823	1.89E-06	-4.310
15204	0.300	4.112	-0.000186	0.315771	0.000823	0.094730	-4.310
.							
15205	0	10.407	-1.650	-4.69E-13	0.005762	-5.63E-18	0.761819
15205	0.600	10.407	-1.650	-4.69E-13	0.005762	-2.81E-13	-0.227926
.							
15301	0	-0.341856	-0.000383	1.555	1.588	-1.273	-0.006607
15301	0.825	-0.341856	-0.000383	1.555	1.588	0.010464	-0.006922
.							
15302	0	-0.017422	-0.000301	1.505	1.639	-1.248	-0.007687
15302	0.825	-0.017422	-0.000301	1.505	1.639	-0.006721	-0.007935
.							
15303	0	-1.530	-0.000397	-0.342048	-0.006924	-2.05E-06	-1.588
15303	0.300	-1.530	-0.000397	-0.342048	-0.006924	-0.102612	-1.588
.							
15304	0	1.521	0.000315	-0.018721	0.007949	-1.12E-07	-1.639
15304	0.300	1.521	0.000315	-0.018721	0.007949	-0.005616	-1.639
.							
15305	0	15.342	-0.566194	1.70E-13	0.001067	2.04E-18	0.378382
15305	0.600	15.342	-0.566194	1.70E-13	0.001067	1.02E-13	0.039177
.							
15401	0	-0.017443	-0.000312	-1.507	-1.639	1.249	-0.007668
15401	0.825	-0.017443	-0.000312	-1.507	-1.639	0.005642	-0.007926
.							
15402	0	-0.341853	-0.000389	-1.550	-1.588	1.271	-0.006592
15402	0.825	-0.341853	-0.000389	-1.550	-1.588	-0.008410	-0.006913
.							
15403	0	1.521	-0.000315	-0.018721	-0.007949	-1.12E-07	1.639
15403	0.300	1.521	-0.000315	-0.018721	-0.007949	-0.005616	1.639
.							
15404	0	-1.530	0.000397	-0.340674	0.006923	-2.04E-06	1.588
15404	0.300	-1.530	0.000397	-0.340674	0.006923	-0.102200	1.588
.							
15405	0	15.342	0.566186	6.19E-13	-0.001066	7.43E-18	0.039182
15405	0.600	15.342	0.566186	6.19E-13	-0.001066	3.71E-13	0.378883
.							
15501	0	0.313840	0.000183	-3.893	-4.310	3.302	-0.000945
15501	0.825	0.313840	0.000183	-3.893	-4.310	0.090273	-0.000794
.							
15502	0	-0.242165	-2.70E-05	-4.163	-4.244	3.413	0.004753
15502	0.825	-0.242165	-2.70E-05	-4.163	-4.244	-0.021949	0.004731
.							
15503	0	4.112	0.000186	0.312933	-0.000832	1.88E-06	4.310
15503	0.300	4.112	0.000186	0.312933	-0.000832	0.093878	4.310
.							
15504	0	-4.110	3.14E-05	-0.241380	-0.004731	-1.45E-06	4.244
15504	0.300	-4.110	3.14E-05	-0.241380	-0.004731	-0.072412	4.244
.							
15505	0	10.407	1.650	1.67E-12	-0.005754	2.01E-17	-0.227918
15505	0.600	10.407	1.650	1.67E-12	-0.005754	1.00E-12	0.761826
.							

21101	0	-0.144489	0.167462	0.004203	-0.005064	-0.005459	-0.169223
21101	2.300	-0.144489	0.167462	0.004203	-0.005064	0.004208	0.215924
.							
21111	0	-0.019099	0.157995	-0.000380	-0.004970	-0.000871	-0.170914
21111	2.300	-0.019099	0.157995	-0.000380	-0.004970	-0.001746	0.192458
.							
21121	0	0.022218	0.147527	-0.002274	-0.004636	0.000363	-0.165050
21121	2.300	0.022218	0.147527	-0.002274	-0.004636	-0.004867	0.174249
.							
21131	0	0.033219	0.121711	-0.003651	-0.004044	0.000951	-0.137276
21131	2.300	0.033219	0.121711	-0.003651	-0.004044	-0.007446	0.142649
.							
21141	0	0.041002	0.082885	-0.004927	-0.003151	0.001474	-0.092804
21141	2.300	0.041002	0.082885	-0.004927	-0.003151	-0.009857	0.097823
.							
21151	0	0.058118	0.025971	-0.006162	-0.001890	0.002093	-0.026618
21151	2.300	0.058118	0.025971	-0.006162	-0.001890	-0.012078	0.033112
.							
21161	0	0.096046	-0.059426	-0.007301	-0.000170	0.002874	0.073574
21161	2.300	0.096046	-0.059426	-0.007301	-0.000170	-0.013918	-0.063100
.							
21171	0	0.180470	-0.181115	-0.008175	0.002131	0.003824	0.219387
21171	2.300	0.180470	-0.181115	-0.008175	0.002131	-0.014977	-0.197161
.							
21181	0	0.371737	-0.296537	-0.008334	0.005165	0.004732	0.365601
21181	2.300	0.371737	-0.296537	-0.008334	0.005165	-0.014436	-0.316407
.							
21191	0	0.674299	-0.158940	-0.006345	0.009113	0.004341	0.205695
21191	2.300	0.674299	-0.158940	-0.006345	0.009113	-0.010251	-0.159852
.							
21201	0	-0.289458	0.014038	0.001286	-0.002160	-0.001972	0.013564
21201	2.300	-0.289458	0.014038	0.001286	-0.002160	0.000986	0.045850
.							
21211	0	-0.083507	0.033392	-0.000476	-0.002098	-0.002344	-0.018433
21211	2.300	-0.083507	0.033392	-0.000476	-0.002098	-0.003439	0.057365
.							
21221	0	0.025373	0.045731	-0.001148	-0.001900	-0.004202	-0.043080
21221	2.300	0.025373	0.045731	-0.001148	-0.001900	-0.006843	0.062097
.							
21231	0	0.069906	0.044738	-0.001477	-0.001554	-0.006197	-0.046817
21231	2.300	0.069906	0.044738	-0.001477	-0.001554	-0.009594	0.056076
.							
21241	0	0.095413	0.032179	-0.001481	-0.001050	-0.008081	-0.032474
21241	2.300	0.095413	0.032179	-0.001481	-0.001050	-0.011486	0.041535
.							
21251	0	0.147355	0.008105	-0.001086	-0.000382	-0.009733	4.70E-05
21251	2.300	0.147355	0.008105	-0.001086	-0.000382	-0.012231	0.013693
.							
21261	0	0.276176	-0.030873	-0.000268	0.000441	-0.010961	0.055239
21261	2.300	0.276176	-0.030873	-0.000268	0.000441	-0.011577	-0.015766
.							
21271	0	0.531538	-0.081111	0.000881	0.001384	-0.011422	0.126984
21271	2.300	0.531538	-0.081111	0.000881	0.001384	-0.009397	-0.059565
.							
21281	0	0.904053	-0.112360	0.002091	0.002381	-0.010574	0.167674
21281	2.300	0.904053	-0.112360	0.002091	0.002381	-0.005765	-0.090745
.							
21291	0	1.151	-0.020172	0.003068	0.003328	-0.007959	0.018050
21291	2.300	1.151	-0.020172	0.003068	0.003328	-0.000902	-0.028344

.							
21301	0	-0.289595	-0.013913	-0.001286	0.002160	0.000986	0.045716
21301	2.300	-0.289595	-0.013913	-0.001286	0.002160	-0.001972	0.013717
.							
21311	0	-0.083567	-0.033221	0.000476	0.002098	-0.003439	0.057176
21311	2.300	-0.083567	-0.033221	0.000476	0.002098	-0.002344	-0.019229
.							
21321	0	0.025363	-0.045536	0.001148	0.001900	-0.006843	0.061876
21321	2.300	0.025363	-0.045536	0.001148	0.001900	-0.004202	-0.042851
.							
21331	0	0.069914	-0.044546	0.001477	0.001554	-0.009594	0.055856
21331	2.300	0.069914	-0.044546	0.001477	0.001554	-0.006197	-0.046595
.							
21341	0	0.095422	-0.032009	0.001480	0.001050	-0.011486	0.041339
21341	2.300	0.095422	-0.032009	0.001480	0.001050	-0.008082	-0.032278
.							
21351	0	0.147364	-0.007971	0.001086	0.000382	-0.012231	0.018535
21351	2.300	0.147364	-0.007971	0.001086	0.000382	-0.009734	0.000203
.							
21361	0	0.276216	0.030948	0.000267	-0.000441	-0.011577	-0.015846
21361	2.300	0.276216	0.030948	0.000267	-0.000441	-0.010963	0.055331
.							
21371	0	0.531676	0.081535	-0.000881	-0.001384	-0.009397	-0.060039
21371	2.300	0.531676	0.081535	-0.000881	-0.001384	-0.011422	0.127485
.							
21381	0	0.904340	0.112140	-0.002090	-0.002381	-0.005765	-0.090480
21381	2.300	0.904340	0.112140	-0.002090	-0.002381	-0.010572	0.167432
.							
21391	0	1.151	0.019714	-0.003066	-0.003328	-0.000903	-0.027834
21391	2.300	1.151	0.019714	-0.003066	-0.003328	-0.007955	0.017506
.							
21401	0	-0.144905	-0.167232	-0.004203	0.005062	0.004208	0.215690
21401	2.300	-0.144905	-0.167232	-0.004203	0.005062	-0.005458	-0.168928
.							
21411	0	-0.019229	-0.157745	0.000380	0.004969	-0.001745	0.192194
21411	2.300	-0.019229	-0.157745	0.000380	0.004969	-0.000872	-0.170604
.							
21421	0	0.022216	-0.147305	0.002274	0.004636	-0.004866	0.173999
21421	2.300	0.022216	-0.147305	0.002274	0.004636	0.000363	-0.164789
.							
21431	0	0.033243	-0.121973	0.003651	0.004044	-0.007446	0.142950
21431	2.300	0.033243	-0.121973	0.003651	0.004044	0.000951	-0.137577
.							
21441	0	0.041021	-0.082718	0.004928	0.003151	-0.009858	0.097630
21441	2.300	0.041021	-0.082718	0.004928	0.003151	0.001475	-0.092614
.							
21451	0	0.058125	-0.025840	0.006163	0.001890	-0.012080	0.032959
21451	2.300	0.058125	-0.025840	0.006163	0.001890	0.002094	-0.026470
.							
21461	0	0.096047	0.059518	0.007303	0.000170	-0.013920	-0.063206
21461	2.300	0.096047	0.059518	0.007303	0.000170	0.002875	0.073680
.							
21471	0	0.180572	0.181178	0.008176	-0.002132	-0.014978	-0.197210
21471	2.300	0.180572	0.181178	0.008176	-0.002132	0.003825	0.219482
.							
21481	0	0.372344	0.297027	0.008333	-0.005167	-0.014433	-0.316885
21481	2.300	0.372344	0.297027	0.008333	-0.005167	0.004731	0.366249
.							
21491	0	0.675973	0.159164	0.006338	-0.009114	-0.010242	-0.160007
21491	2.300	0.675973	0.159164	0.006338	-0.009114	0.004334	0.206056
.							
21501	0	0.333448	1.141	0.003749	0.014167	-0.003809	-1.464
21501	2.300	0.333448	1.141	0.003749	0.014167	0.004814	1.161
.							
21601	0	0.413783	0.446912	0.004971	0.004093	-0.005518	-0.703565
21601	2.300	0.413783	0.446912	0.004971	0.004093	0.005914	0.324292
.							
21701	0	0.413858	-0.447450	-0.004971	-0.004093	0.005914	0.324874
21701	2.300	0.413858	-0.447450	-0.004971	-0.004093	-0.005519	-0.704221
.							
21801	0	0.334381	-1.143	-0.003748	-0.014153	0.004813	1.162
21801	2.300	0.334381	-1.143	-0.003748	-0.014153	-0.003808	-1.466
.							
22101	0	-0.349551	1.621	-0.003617	0.013812	0.004723	-2.076
22101	2.300	-0.349551	1.621	-0.003617	0.013812	-0.003595	1.653
.							
22111	0	-0.707111	-0.229542	0.007383	0.007753	-0.004642	0.298522
22111	2.300	-0.707111	-0.229542	0.007383	0.007753	0.012339	-0.229403
.							
22121	0	-0.345706	-0.350575	0.008732	0.003246	-0.004735	0.430672
22121	2.300	-0.345706	-0.350575	0.008732	0.003246	0.015347	-0.375618
.							
22131	0	-0.150044	-0.204095	0.007743	7.52E-06	-0.003508	0.246055
22131	2.300	-0.150044	-0.204095	0.007743	7.52E-06	0.014299	-0.223344
.							
22141	0	-0.062147	-0.091647	0.006035	-0.002208	-0.002306	0.111412
22141	2.300	-0.062147	-0.091647	0.006035	-0.002208	0.011574	-0.099368
.							
22151	0	-0.013167	-0.043611	0.004083	-0.003585	-0.001291	0.054305
22151	2.300	-0.013167	-0.043611	0.004083	-0.003585	0.008101	-0.045998
.							
22161	0	0.021719	-0.045198	0.002061	-0.004247	-0.000409	0.055210
22161	2.300	0.021719	-0.045198	0.002061	-0.004247	0.004332	-0.048741
.							
22171	0	0.058343	-0.085552	7.02E-05	-0.004251	0.000405	0.102128
22171	2.300	0.058343	-0.085552	7.02E-05	-0.004251	0.000567	-0.094634
.							
22181	0	0.122153	-0.145389	-0.001710	-0.003598	0.001109	0.174850
22181	2.300	0.122153	-0.145389	-0.001710	-0.003598	-0.002823	-0.159533
.							
22191	0	0.231116	-0.127215	-0.002664	-0.002232	0.001133	0.154711
22191	2.300	0.231116	-0.127215	-0.002664	-0.002232	-0.004994	-0.137871
.							
22201	0	-0.428569	0.608205	-0.005882	0.003841	0.006985	-0.958216
22201	2.300	-0.428569	0.608205	-0.005882	0.003841	-0.006543	0.440600
.							
22211	0	-1.234	-0.054268	-0.004001	0.002905	0.009440	0.066080
22211	2.300	-1.234	-0.054268	-0.004001	0.002905	0.000239	-0.058732
.							
22221	0	-0.879250	-0.151194	-0.002835	0.001780	0.011345	0.225688
22221	2.300	-0.879250	-0.151194	-0.002835	0.001780	0.004824	-0.122044
.							
22231	0	-0.451521	-0.103753	-0.001356	0.000676	0.010993	0.159680
22231	2.300	-0.451521	-0.103753	-0.001356	0.000676	0.007874	-0.078942
.							
22241	0	-0.179371	-0.051914	8.01E-06	-0.000249	0.009207	0.082655
22241	2.300	-0.179371	-0.051914	8.01E-06	-0.000249	0.009225	-0.036742
.							

22251	0	-0.031817	-0.026510	0.001044	-0.000902	0.006676	0.043472
22251	2.300	-0.031817	-0.026510	0.001044	-0.000902	0.009076	-0.017500
.							
22261	0	0.064616	-0.025326	0.001788	-0.001249	0.003805	0.039833
22261	2.300	0.064616	-0.025326	0.001788	-0.001249	0.007918	-0.018415
.							
22271	0	0.168937	-0.039924	0.002367	-0.001306	0.000875	0.059411
22271	2.300	0.168937	-0.039924	0.002367	-0.001306	0.006319	-0.032410
.							
22281	0	0.306459	-0.056032	0.002832	-0.001131	-0.001777	0.079716
22281	2.300	0.306459	-0.056032	0.002832	-0.001131	0.004735	-0.049154
.							
22291	0	0.408666	-0.025665	0.003038	-0.000820	-0.003637	0.027782
22291	2.300	0.408666	-0.025665	0.003038	-0.000820	0.003350	-0.031245
.							
22301	0	-0.428661	-0.608935	0.005882	-0.003841	-0.006543	0.441389
22301	2.300	-0.428661	-0.608935	0.005882	-0.003841	0.006985	-0.959105
.							
22311	0	-1.234	0.053708	0.003998	-0.002905	0.000240	-0.058109
22311	2.300	-1.234	0.053708	0.003998	-0.002905	0.009436	0.065415
.							
22321	0	-0.879549	0.150963	0.002834	-0.001780	0.004824	-0.121761
22321	2.300	-0.879549	0.150963	0.002834	-0.001780	0.011343	0.225439
.							
22331	0	-0.451642	0.104057	0.001356	-0.000676	0.007874	-0.079274
22331	2.300	-0.451642	0.104057	0.001356	-0.000676	0.010993	0.160047
.							
22341	0	-0.179397	0.052323	-7.51E-06	0.000249	0.009225	-0.037207
22341	2.300	-0.179397	0.052323	-7.51E-06	0.000249	0.009208	0.083132
.							
22351	0	-0.031819	0.026966	-0.001043	0.000902	0.009076	-0.018022
22351	2.300	-0.031819	0.026966	-0.001043	0.000902	0.006677	0.043998
.							
22361	0	0.064624	0.025478	-0.001788	0.001249	0.007918	-0.018587
22361	2.300	0.064624	0.025478	-0.001788	0.001249	0.003806	0.040011
.							
22371	0	0.168981	0.040372	-0.002367	0.001306	0.006319	-0.032918
22371	2.300	0.168981	0.040372	-0.002367	0.001306	0.000876	0.059934
.							
22381	0	0.306579	0.056088	-0.002831	0.001131	0.004735	-0.049209
22381	2.300	0.306579	0.056088	-0.002831	0.001131	-0.001776	0.079787
.							
22391	0	0.408831	0.025585	-0.003037	0.000820	0.003350	-0.031158
22391	2.300	0.408831	0.025585	-0.003037	0.000820	-0.003636	0.027684
.							
22401	0	-0.350635	-1.623	0.003616	-0.013796	-0.003594	1.655
22401	2.300	-0.350635	-1.623	0.003616	-0.013796	0.004723	-2.078
.							
22411	0	-0.708875	0.229957	-0.007376	-0.007754	0.012329	-0.229728
22411	2.300	-0.708875	0.229957	-0.007376	-0.007754	-0.004636	0.299151
.							
22421	0	-0.346232	0.351270	-0.008730	-0.003248	0.015344	-0.376322
22421	2.300	-0.346232	0.351270	-0.008730	-0.003248	-0.004735	0.431566
.							
22431	0	-0.150109	0.204172	-0.007744	-8.61E-06	0.014300	-0.223415
22431	2.300	-0.150109	0.204172	-0.007744	-8.61E-06	-0.003509	0.246161
.							
22441	0	-0.062147	0.091751	-0.006036	0.002207	0.011576	-0.099489
22441	2.300	-0.062147	0.091751	-0.006036	0.002207	-0.002307	0.111529
.							
22451	0	-0.013173	0.043746	-0.004084	0.003585	0.008102	-0.046156
22451	2.300	-0.013173	0.043746	-0.004084	0.003585	-0.001291	0.054457
.							
22461	0	0.021708	0.045671	-0.002062	0.004247	0.004333	-0.049286
22461	2.300	0.021708	0.045671	-0.002062	0.004247	-0.000409	0.055752
.							
22471	0	0.058359	0.085719	-7.03E-05	0.004251	0.000567	-0.094819
22471	2.300	0.058359	0.085719	-7.03E-05	0.004251	0.000408	0.102325
.							
22481	0	0.122353	0.148563	0.001709	0.003597	-0.002822	-0.159696
22481	2.300	0.122353	0.148563	0.001709	0.003597	0.001109	0.175087
.							
22491	0	0.231831	0.127610	0.002662	0.002232	-0.004990	-0.138259
22491	2.300	0.231831	0.127610	0.002662	0.002232	0.001131	0.155232
.							
22501	0	0.113117	0.414878	-0.000100	-5.33E-05	-0.002750	-0.545226
22501	2.300	0.113117	0.414878	-0.000100	-5.33E-05	-0.002981	0.408956
.							
22601	0	0.134241	0.184942	0.002917	-0.000495	-0.004478	-0.298438
22601	2.300	0.134241	0.184942	0.002917	-0.000495	0.002231	0.126913
.							
22701	0	0.134328	-0.185117	-0.002917	0.000495	0.002231	0.127098
22701	2.300	0.134328	-0.185117	-0.002917	0.000495	-0.004478	-0.298653
.							
22801	0	0.113705	-0.415347	0.000101	5.86E-05	-0.002981	0.409275
22801	2.300	0.113705	-0.415347	0.000101	5.86E-05	-0.002750	-0.545984
.							
23101	0	-0.141936	0.794537	-0.003105	0.009896	0.000213	-1.024
23101	2.300	-0.141936	0.794537	-0.003105	0.009896	-0.006928	0.803054
.							
23111	0	-0.251799	-0.149630	0.002999	0.006822	-0.002709	0.188936
23111	2.300	-0.251799	-0.149630	0.002999	0.006822	0.004188	-0.155198
.							
23121	0	-0.104833	-0.141539	0.004563	0.004479	-0.002329	0.171122
23121	2.300	-0.104833	-0.141539	0.004563	0.004479	0.008165	-0.154405
.							
23131	0	-0.043012	-0.065334	0.005085	0.002687	-0.001795	0.078208
23131	2.300	-0.043012	-0.065334	0.005085	0.002687	0.009900	-0.072055
.							
23141	0	-0.018068	-0.022080	0.005257	0.001255	-0.001460	0.026834
23141	2.300	-0.018068	-0.022080	0.005257	0.001255	0.010630	-0.023947
.							
23151	0	-0.010692	-3.30E-08	0.005295	3.81E-09	-0.001350	3.65E-08
23151	2.300	-0.010692	-3.30E-08	0.005295	3.81E-09	0.010828	-3.94E-08
.							
23161	0	-0.018068	0.022016	0.005257	-0.001255	-0.001460	-0.026781
23161	2.300	-0.018068	0.022016	0.005257	-0.001255	0.010630	0.023874
.							
23171	0	-0.043012	0.065207	0.005085	-0.002687	-0.001795	-0.078061
23171	2.300	-0.043012	0.065207	0.005085	-0.002687	0.009900	0.071909
.							
23181	0	-0.104833	0.141540	0.004563	-0.004479	-0.002329	-0.171123
23181	2.300	-0.104833	0.141540	0.004563	-0.004479	0.008165	0.154405
.							
23191	0	-0.251800	0.149886	0.002999	-0.006822	-0.002709	-0.189230
23191	2.300	-0.251800	0.149886	0.002999	-0.006822	0.004188	0.155493
.							
23201	0	-0.178884	0.287311	-0.001377	0.002913	0.000265	-0.463315

23201	2.300	-0.178884	0.287311	-0.001377	0.002913	-0.002902	0.197473
.							
23211	0	-0.469219	-0.053779	-3.44E-05	0.002441	0.003175	0.069660
23211	2.300	-0.469219	-0.053779	-3.44E-05	0.002441	0.003096	-0.054026
.							
23221	0	-0.285119	-0.070024	0.000484	0.001862	0.006369	0.103698
23221	2.300	-0.285119	-0.070024	0.000484	0.001862	0.007481	-0.057352
.							
23231	0	-0.125891	-0.036615	0.001155	0.001240	0.008209	0.056508
23231	2.300	-0.125891	-0.036615	0.001155	0.001240	0.010866	-0.027702
.							
23241	0	-0.047196	-0.013135	0.001703	0.000615	0.009082	0.021011
23241	2.300	-0.047196	-0.013135	0.001703	0.000615	0.012999	-0.009198
.							
23251	0	-0.025184	-1.60E-08	0.001909	1.76E-09	0.009335	1.69E-08
23251	2.300	-0.025184	-1.60E-08	0.001909	1.76E-09	0.013725	-2.00E-08
.							
23261	0	-0.047196	0.013199	0.001703	-0.000615	0.009082	-0.021084
23261	2.300	-0.047196	0.013199	0.001703	-0.000615	0.012999	0.009272
.							
23271	0	-0.125891	0.036743	0.001155	-0.001240	0.008209	-0.056655
23271	2.300	-0.125891	0.036743	0.001155	-0.001240	0.010866	0.027849
.							
23281	0	-0.285119	0.069769	0.000484	-0.001862	0.006369	-0.103404
23281	2.300	-0.285119	0.069769	0.000484	-0.001862	0.007481	0.057058
.							
23291	0	-0.469220	0.053523	-3.43E-05	-0.002441	0.003175	-0.069366
23291	2.300	-0.469220	0.053523	-3.43E-05	-0.002441	0.003096	0.053732
.							
23301	0	-0.178843	-0.287598	0.001377	-0.002913	-0.002902	0.197779
23301	2.300	-0.178843	-0.287598	0.001377	-0.002913	0.000265	-0.463669
.							
23311	0	-0.469321	0.053445	3.36E-05	-0.002441	0.003096	-0.053661
23311	2.300	-0.469321	0.053445	3.36E-05	-0.002441	0.003174	0.069257
.							
23321	0	-0.285206	0.069812	-0.000484	-0.001862	0.007481	-0.057104
23321	2.300	-0.285206	0.069812	-0.000484	-0.001862	0.006369	0.103458
.							
23331	0	-0.125923	0.036625	-0.001155	-0.001240	0.010866	-0.027709
23331	2.300	-0.125923	0.036625	-0.001155	-0.001240	0.008209	0.056524
.							
23341	0	-0.047205	0.013145	-0.001703	-0.000615	0.013000	-0.009209
23341	2.300	-0.047205	0.013145	-0.001703	-0.000615	0.009083	0.021024
.							
23351	0	-0.025189	1.60E-08	-0.001908	-1.76E-09	0.013725	-2.00E-08
23351	2.300	-0.025189	1.60E-08	-0.001908	-1.76E-09	0.009336	1.69E-08
.							
23361	0	-0.047205	-0.013209	-0.001703	0.000615	0.013000	0.009282
23361	2.300	-0.047205	-0.013209	-0.001703	0.000615	0.009083	-0.021097
.							
23371	0	-0.125923	-0.036625	-0.001155	0.001240	0.010866	0.027709
23371	2.300	-0.125923	-0.036625	-0.001155	0.001240	0.008209	-0.056524
.							
23381	0	-0.285207	-0.069812	-0.000484	0.001862	0.007481	0.057104
23381	2.300	-0.285207	-0.069812	-0.000484	0.001862	0.006369	-0.103458
.							
23391	0	-0.469321	-0.053445	3.36E-05	0.002441	0.003096	0.053661
23391	2.300	-0.469321	-0.053445	3.36E-05	0.002441	0.003174	-0.069258
.							

23401	0	-0.142121	-0.795294	0.003104	-0.009890	-0.006927	0.803572
23401	2.300	-0.142121	-0.795294	0.003104	-0.009890	0.000212	-1.026
.							
23411	0	-0.252330	0.149916	-0.002997	-0.006823	0.004185	-0.155468
23411	2.300	-0.252330	0.149916	-0.002997	-0.006823	-0.002707	0.189326
.							
23421	0	-0.104958	0.141665	-0.004563	-0.004480	0.008165	-0.154523
23421	2.300	-0.104958	0.141665	-0.004563	-0.004480	-0.002329	0.171293
.							
23431	0	-0.043033	0.065363	-0.005085	-0.002687	0.009901	-0.072085
23431	2.300	-0.043033	0.065363	-0.005085	-0.002687	-0.001795	0.078242
.							
23441	0	-0.018080	0.022027	-0.005257	-0.001255	0.010631	-0.023887
23441	2.300	-0.018080	0.022027	-0.005257	-0.001255	-0.001460	0.026772
.							
23451	0	-0.010705	3.29E-08	-0.005296	-3.81E-09	0.010829	-3.93E-08
23451	2.300	-0.010705	3.29E-08	-0.005296	-3.81E-09	-0.001350	3.64E-08
.							
23461	0	-0.018080	-0.022027	-0.005257	0.001255	0.010631	0.023887
23461	2.300	-0.018080	-0.022027	-0.005257	0.001255	-0.001460	-0.026773
.							
23471	0	-0.043033	-0.065363	-0.005085	0.002687	0.009901	0.072085
23471	2.300	-0.043033	-0.065363	-0.005085	0.002687	-0.001795	-0.078243
.							
23481	0	-0.104958	-0.141409	-0.004563	0.004480	0.008165	0.154229
23481	2.300	-0.104958	-0.141409	-0.004563	0.004480	-0.002329	-0.170999
.							
23491	0	-0.252330	-0.149661	-0.002997	0.006823	0.004185	0.155174
23491	2.300	-0.252330	-0.149661	-0.002997	0.006823	-0.002707	-0.189032
.							
23501	0	-0.141937	-0.794538	-0.003104	-0.009896	0.000212	1.024
23501	2.300	-0.141937	-0.794538	-0.003104	-0.009896	-0.006927	-0.803054
.							
23601	0	-0.178885	-0.287311	-0.001377	-0.002913	0.000265	0.463316
23601	2.300	-0.178885	-0.287311	-0.001377	-0.002913	-0.002902	-0.197473
.							
23701	0	-0.178844	0.287598	0.001377	0.002913	-0.002902	-0.197779
23701	2.300	-0.178844	0.287598	0.001377	0.002913	0.000265	0.463669
.							
23801	0	-0.142122	0.795294	0.003104	0.009890	-0.006927	-0.803572
23801	2.300	-0.142122	0.795294	0.003104	0.009890	0.000212	1.026
.							
24101	0	0.113117	-0.414720	-0.000100	5.33E-05	-0.002750	0.545044
24101	2.300	0.113117	-0.414720	-0.000100	5.33E-05	-0.002981	-0.408774
.							
24111	0	0.231116	0.127215	-0.002664	0.002232	0.001133	-0.154711
24111	2.300	0.231116	0.127215	-0.002664	0.002232	-0.001894	0.137871
.							
24121	0	0.122153	0.145390	-0.001710	0.003598	0.001109	-0.174850
24121	2.300	0.122153	0.145390	-0.001710	0.003598	-0.002823	0.159533
.							
24131	0	0.058343	0.085552	7.02E-05	0.004251	0.000405	-0.102128
24131	2.300	0.058343	0.085552	7.02E-05	0.004251	0.000567	0.094634
.							
24141	0	0.021719	0.045516	0.002061	0.004247	-0.000409	-0.055575
24141	2.300	0.021719	0.045516	0.002061	0.004247	0.004332	0.049106
.							
24151	0	-0.013167	0.043294	0.004083	0.003585	-0.001291	-0.053940
24151	2.300	-0.013167	0.043294	0.004083	0.003585	0.008101	0.045633

.							
24161	0	-0.062148	0.091647	0.006035	0.002208	-0.002306	-0.111412
24161	2.300	-0.062148	0.091647	0.006035	0.002208	0.011574	0.099368
.							
24171	0	-0.150045	0.203778	0.007743	-7.51E-06	-0.003508	-0.245691
24171	2.300	-0.150045	0.203778	0.007743	-7.51E-06	0.014299	0.222979
.							
24181	0	-0.345706	0.350575	0.008732	-0.003246	-0.004735	-0.430673
24181	2.300	-0.345706	0.350575	0.008732	-0.003246	0.015347	0.375618
.							
24191	0	-0.707112	0.228908	0.007383	-0.007753	-0.004643	-0.297793
24191	2.300	-0.707112	0.228908	0.007383	-0.007753	0.012339	0.228674
.							
24201	0	0.134242	-0.185101	0.002917	0.000495	-0.004478	0.298620
24201	2.300	0.134242	-0.185101	0.002917	0.000495	0.002231	-0.127095
.							
24211	0	0.408666	0.025665	0.003038	0.000820	-0.003637	-0.027782
24211	2.300	0.408666	0.025665	0.003038	0.000820	0.003350	0.031246
.							
24221	0	0.306460	0.056033	0.002832	0.001131	-0.001777	-0.079716
24221	2.300	0.306460	0.056033	0.002832	0.001131	0.004735	0.049154
.							
24231	0	0.168937	0.040241	0.002367	0.001306	0.000875	-0.059776
24231	2.300	0.168937	0.040241	0.002367	0.001306	0.006319	0.032775
.							
24241	0	0.064616	0.025009	0.001788	0.001249	0.003805	-0.039469
24241	2.300	0.064616	0.025009	0.001788	0.001249	0.007918	0.018050
.							
24251	0	-0.031817	0.026828	0.001044	0.000902	0.006676	-0.043837
24251	2.300	-0.031817	0.026828	0.001044	0.000902	0.009076	0.017865
.							
24261	0	-0.179372	0.052231	8.01E-06	0.000249	0.009207	-0.083020
24261	2.300	-0.179372	0.052231	8.01E-06	0.000249	0.009225	0.037107
.							
24271	0	-0.451523	0.103753	-0.001356	-0.000676	0.010993	-0.159681
24271	2.300	-0.451523	0.103753	-0.001356	-0.000676	0.007874	0.078942
.							
24281	0	-0.879252	0.151829	-0.002835	-0.001780	0.011345	-0.226419
24281	2.300	-0.879252	0.151829	-0.002835	-0.001780	0.004824	0.122775
.							
24291	0	-1.234	0.054269	-0.004001	-0.002905	0.009440	-0.066081
24291	2.300	-1.234	0.054269	-0.004001	-0.002905	0.000239	0.058732
.							
24301	0	0.134329	0.185117	-0.002917	-0.000495	0.002231	-0.127098
24301	2.300	0.134329	0.185117	-0.002917	-0.000495	-0.004478	0.298653
.							
24311	0	0.408831	-0.025585	-0.003037	-0.000820	0.003350	0.031158
24311	2.300	0.408831	-0.025585	-0.003037	-0.000820	-0.003636	-0.027684
.							
24321	0	0.306579	-0.056405	-0.002831	-0.001131	0.004735	0.049574
24321	2.300	0.306579	-0.056405	-0.002831	-0.001131	-0.001776	-0.080153
.							
24331	0	0.168981	-0.040372	-0.002367	-0.001306	0.006319	0.032918
24331	2.300	0.168981	-0.040372	-0.002367	-0.001306	0.000876	-0.059934
.							
24341	0	0.064624	-0.025161	-0.001788	-0.001249	0.007918	0.018222
24341	2.300	0.064624	-0.025161	-0.001788	-0.001249	0.003806	-0.039646
.							
24351	0	-0.031819	-0.026966	-0.001043	-0.000902	0.009076	0.018022
24351	2.300	-0.031819	-0.026966	-0.001043	-0.000902	0.006677	-0.043998
.							
24361	0	-0.179398	-0.052323	-7.52E-06	-0.000249	0.009225	0.037207
24361	2.300	-0.179398	-0.052323	-7.52E-06	-0.000249	0.009208	-0.083132
.							
24371	0	-0.451643	-0.103740	0.001356	0.000676	0.007874	0.078910
24371	2.300	-0.451643	-0.103740	0.001356	0.000676	0.010993	-0.159682
.							
24381	0	-0.879551	-0.151598	0.002835	0.001780	0.004824	0.122491
24381	2.300	-0.879551	-0.151598	0.002835	0.001780	0.011343	-0.226169
.							
24391	0	-1.234	-0.053709	0.003999	0.002905	0.000240	0.058110
24391	2.300	-1.234	-0.053709	0.003999	0.002905	0.009436	-0.065416
.							
24401	0	0.113705	0.415347	0.000101	-5.86E-05	-0.002981	-0.409275
24401	2.300	0.113705	0.415347	0.000101	-5.86E-05	-0.002750	0.545984
.							
24411	0	0.231831	-0.127610	0.002662	-0.002232	-0.004990	0.138259
24411	2.300	0.231831	-0.127610	0.002662	-0.002232	0.001131	-0.155232
.							
24421	0	0.122353	-0.145564	0.001709	-0.003597	-0.002822	0.159696
24421	2.300	0.122353	-0.145564	0.001709	-0.003597	0.001109	-0.175087
.							
24431	0	0.058359	-0.085719	-7.03E-05	-0.004251	0.000567	0.094819
24431	2.300	0.058359	-0.085719	-7.03E-05	-0.004251	0.000405	-0.102326
.							
24441	0	0.021708	-0.045671	-0.002062	-0.004247	0.004333	0.049287
24441	2.300	0.021708	-0.045671	-0.002062	-0.004247	-0.000409	-0.055752
.							
24451	0	-0.013173	-0.043746	-0.004084	-0.003585	0.008102	0.046156
24451	2.300	-0.013173	-0.043746	-0.004084	-0.003585	-0.001291	-0.054457
.							
24461	0	-0.062147	-0.092068	-0.006036	-0.002207	0.011576	0.099854
24461	2.300	-0.062147	-0.092068	-0.006036	-0.002207	-0.002307	-0.111394
.							
24471	0	-0.150109	-0.204172	-0.007743	8.60E-06	0.014300	0.223415
24471	2.300	-0.150109	-0.204172	-0.007743	8.60E-06	-0.003509	-0.246162
.							
24481	0	-0.346232	-0.350636	-0.008730	0.003248	0.015344	0.375593
24481	2.300	-0.346232	-0.350636	-0.008730	0.003248	-0.004735	-0.430836
.							
24491	0	-0.708877	-0.229323	-0.007377	0.007754	0.012329	0.228999
24491	2.300	-0.708877	-0.229323	-0.007377	0.007754	-0.004636	-0.298422
.							
24501	0	-0.349555	-1.621	-0.003616	-0.013812	0.004723	2.076
24501	2.300	-0.349555	-1.621	-0.003616	-0.013812	-0.003594	-1.653
.							
24601	0	-0.428575	-0.608839	-0.005882	-0.003841	0.006984	0.958944
24601	2.300	-0.428575	-0.608839	-0.005882	-0.003841	-0.006543	-0.441329
.							
24701	0	-0.428667	0.609569	0.005882	0.003841	-0.006543	-0.442118
24701	2.300	-0.428667	0.609569	0.005882	0.003841	0.006985	0.959834
.							
24801	0	-0.350639	1.623	0.003616	0.013796	-0.003594	-1.655
24801	2.300	-0.350639	1.623	0.003616	0.013796	0.004722	2.078
.							
25101	0	0.333450	-1.141	0.003749	-0.014167	-0.003809	1.464
25101	2.300	0.333450	-1.141	0.003749	-0.014167	0.004814	-1.161
.							

25111	0	0.674299	0.158940	-0.006345	-0.009113	0.004341	-0.205695
25111	2.300	0.674299	0.158940	-0.006345	-0.009113	-0.010251	0.159852
.							
25121	0	0.371737	0.296535	-0.008334	-0.005165	0.004732	-0.365598
25121	2.300	0.371737	0.296535	-0.008334	-0.005165	-0.014436	0.316405
.							
25131	0	0.180473	0.180654	-0.008175	-0.002131	0.003324	-0.218856
25131	2.300	0.180473	0.180654	-0.008175	-0.002131	-0.014977	0.196631
.							
25141	0	0.096050	0.059428	-0.007301	0.000170	0.002874	-0.073576
25141	2.300	0.096050	0.059428	-0.007301	0.000170	-0.013918	0.063102
.							
25151	0	0.058120	-0.025969	-0.006162	0.001890	0.002093	0.026615
25151	2.300	0.058120	-0.025969	-0.006162	0.001890	-0.012078	-0.033110
.							
25161	0	0.041003	-0.082426	-0.004927	0.003151	0.001474	0.092276
25161	2.300	0.041003	-0.082426	-0.004927	0.003151	-0.009857	-0.097296
.							
25171	0	0.033220	-0.121710	-0.003651	0.004044	0.000951	0.137274
25171	2.300	0.033220	-0.121710	-0.003651	0.004044	-0.007446	-0.142647
.							
25181	0	0.022218	-0.147525	-0.002274	0.004636	0.000363	0.165047
25181	2.300	0.022218	-0.147525	-0.002274	0.004636	-0.004867	-0.174246
.							
25191	0	-0.019100	-0.157990	-0.000380	0.004970	-0.000871	0.170909
25191	2.300	-0.019100	-0.157990	-0.000380	0.004970	-0.001746	-0.192453
.							
25201	0	0.413786	-0.446912	0.004971	-0.004093	-0.005518	0.703565
25201	2.300	0.413786	-0.446912	0.004971	-0.004093	0.005914	-0.324291
.							
25211	0	1.151	0.020172	0.003068	-0.003328	-0.007959	-0.018050
25211	2.300	1.151	0.020172	0.003068	-0.003328	-0.000902	0.028344
.							
25221	0	0.904055	0.112359	0.002091	-0.002381	-0.010574	-0.167673
25221	2.300	0.904055	0.112359	0.002091	-0.002381	-0.005765	0.090744
.							
25231	0	0.531543	0.081568	0.000881	-0.001384	-0.011422	-0.127508
25231	2.300	0.531543	0.081568	0.000881	-0.001384	-0.009397	0.060090
.							
25241	0	0.276183	0.030874	-0.000268	-0.000441	-0.010961	-0.055240
25241	2.300	0.276183	0.030874	-0.000268	-0.000441	-0.011577	0.015767
.							
25251	0	0.147361	-0.008104	-0.001086	0.000382	-0.009733	-4.81E-05
25251	2.300	0.147361	-0.008104	-0.001086	0.000382	-0.012231	-0.018688
.							
25261	0	0.095417	-0.032636	-0.001481	0.001050	-0.008081	0.032999
25261	2.300	0.095417	-0.032636	-0.001481	0.001050	-0.011486	-0.042060
.							
25271	0	0.069908	-0.044737	-0.001477	0.001554	-0.006197	0.046816
25271	2.300	0.069908	-0.044737	-0.001477	0.001554	-0.009594	-0.056075
.							
25281	0	0.025373	-0.045272	-0.001148	0.001900	-0.004202	0.042553
25281	2.300	0.025373	-0.045272	-0.001148	0.001900	-0.006843	-0.061570
.							
25291	0	-0.083511	-0.033390	-0.000476	0.002098	-0.002344	0.019431
25291	2.300	-0.083511	-0.033390	-0.000476	0.002098	-0.003439	-0.057364
.							
25301	0	0.413861	0.447450	-0.004971	0.004093	0.005914	-0.324873
25301	2.300	0.413861	0.447450	-0.004971	0.004093	-0.005519	0.704221
.							
25311	0	1.151	-0.019714	-0.003066	0.003328	-0.000903	0.027834
25311	2.300	1.151	-0.019714	-0.003066	0.003328	-0.007955	-0.017506
.							
25321	0	0.904343	-0.112139	-0.002090	0.002381	-0.005765	0.090479
25321	2.300	0.904343	-0.112139	-0.002090	0.002381	-0.010572	-0.167430
.							
25331	0	0.531681	-0.081534	-0.000881	0.001384	-0.009397	0.060038
25331	2.300	0.531681	-0.081534	-0.000881	0.001384	-0.011422	-0.127484
.							
25341	0	0.276223	-0.030948	0.000267	0.000441	-0.011577	0.015846
25341	2.300	0.276223	-0.030948	0.000267	0.000441	-0.010963	-0.055332
.							
25351	0	0.147370	0.007970	0.001086	-0.000382	-0.012230	-0.018534
25351	2.300	0.147370	0.007970	0.001086	-0.000382	-0.009734	-0.000204
.							
25361	0	0.095425	0.032465	0.001480	-0.001050	-0.011486	-0.041865
25361	2.300	0.095425	0.032465	0.001480	-0.001050	-0.008082	0.032803
.							
25371	0	0.069916	0.044545	0.001477	-0.001554	-0.009594	-0.055856
25371	2.300	0.069916	0.044545	0.001477	-0.001554	-0.006197	0.046594
.							
25381	0	0.025363	0.045077	0.001148	-0.001900	-0.006843	-0.061349
25381	2.300	0.025363	0.045077	0.001148	-0.001900	-0.004202	0.042324
.							
25391	0	-0.083571	0.033219	0.000476	-0.002098	-0.003439	-0.057175
25391	2.300	-0.083571	0.033219	0.000476	-0.002098	-0.002344	0.019227
.							
25401	0	0.334383	1.143	-0.003748	0.014153	0.004813	-1.162
25401	2.300	0.334383	1.143	-0.003748	0.014153	-0.003808	1.466
.							
25411	0	0.675973	-0.159164	0.006338	0.009114	-0.010242	0.160007
25411	2.300	0.675973	-0.159164	0.006338	0.009114	0.004334	-0.206056
.							
25421	0	0.372344	-0.297024	0.008333	0.005167	-0.014434	0.316882
25421	2.300	0.372344	-0.297024	0.008333	0.005167	0.004731	-0.366246
.							
25431	0	0.180575	-0.181174	0.008176	0.002132	-0.014978	0.197206
25431	2.300	0.180575	-0.181174	0.008176	0.002132	0.003825	-0.219477
.							
25441	0	0.096051	-0.059520	0.007303	-0.000170	-0.013920	0.063208
25441	2.300	0.096051	-0.059520	0.007303	-0.000170	0.002875	-0.073682
.							
25451	0	0.058127	0.025838	0.006163	-0.001890	-0.012080	-0.032957
25451	2.300	0.058127	0.025838	0.006163	-0.001890	0.002094	0.026467
.							
25461	0	0.041022	0.082259	0.004928	-0.003151	-0.009859	-0.097102
25461	2.300	0.041022	0.082259	0.004928	-0.003151	0.001475	0.092086
.							
25471	0	0.033244	0.121514	0.003651	-0.004044	-0.007446	-0.142422
25471	2.300	0.033244	0.121514	0.003651	-0.004044	0.000951	0.137049
.							
25481	0	0.022217	0.147302	0.002274	-0.004636	-0.004866	-0.173997
25481	2.300	0.022217	0.147302	0.002274	-0.004636	0.000363	0.164785
.							
25491	0	-0.019230	0.157740	0.000380	-0.004969	-0.001745	-0.192189
25491	2.300	-0.019230	0.157740	0.000380	-0.004969	-0.000872	0.170598
.							
25501	0	-0.144495	-0.166997	0.004203	0.005064	-0.005459	0.168688

```
25501    2.300 -0.144495 -0.166997  0.004203  0.005064  0.004208 -0.215390
.
25601        0 -0.289469 -0.014035  0.001286  0.002160 -0.001972 -0.013568
25601    2.300 -0.289469 -0.014035  0.001286  0.002160  0.000986 -0.045848
.
25701        0 -0.289606  0.013911 -0.001286 -0.002160  0.000986 -0.045714
25701    2.300 -0.289606  0.013911 -0.001286 -0.002160 -0.001972 -0.013721
.
25801        0 -0.144911  0.167224 -0.004203 -0.005062  0.004208 -0.215683
25801    2.300 -0.144911  0.167224 -0.004203 -0.005062 -0.005458  0.168918
.
.ID Envolv.    EE
.SK 4
.TP 20
ENVOLVENTE:              EE   'Env. Carros'                    Ejec.  "HIP"
==========================================================================
Grupo Espe. Hip¢tesis       Factor Etapa  T¡tulo

  A            6              1.000        Veh¡culo pesado 1 vano 1
  B   O        7              1.000        Veh¡culo pesado 2 vano 1
  C   O        8              1.000        Veh¡culo pesado 3 vano 1
  D   O        9              1.000        Veh¡culo pesado 4 vano 1
  E   O       10              1.000        Veh¡culo pesado 5 vano 1
  F   O       11              1.000        Veh¡culo pesado 6 vano 1
  G   O       12              1.000        Veh¡culo pesado 7 vano 1
  H   O       13              1.000        Veh¡culo pesado 8 vano 1
  I   O       14              1.000        Veh¡culo pesado 1 vano 2
  J   O       15              1.000        Veh¡culo pesado 2 vano 2
  K   O       16              1.000        Veh¡culo pesado 3 vano 2
  L   O       17              1.000        Veh¡culo pesado 4 vano 2
  M   O       18              1.000        Veh¡culo pesado 5 vano 2
  N   O       19              1.000        Veh¡culo pesado 6 vano 2
  O   O       20              1.000        Veh¡culo pesado 7 vano 1
  P   O       21              1.000        Veh¡culo pesado 8 vano 2
  Q   O       35              1.000        Veh¡culo pesado 1 vano 3
  R   O       36              1.000        Veh¡culo pesado 2 vano 3
  S   O       37              1.000        Veh¡culo pesado 3 vano 3
  T   O       38              1.000        Veh¡culo pesado 4 vano 3
  U   O       39              1.000        Veh¡culo pesado 5 vano 2
  V   O       40              1.000        Veh¡culo pesado 6 vano 3
  W   O       41              1.000        Veh¡culo pesado 7 vano 3
  X   O       42              1.000        Veh¡culo pesado 8 vano 3
  Y   O       43              1.000        Veh¡culo pesado 1 vano 4
  Z   O       44              1.000        Veh¡culo pesado 2 vano 4
 AA   O       45              1.000        Veh¡culo pesado 3 vano 4
 AB   O       46              1.000        Veh¡culo pesado 4 vano 4
 AC   O       47              1.000        Veh¡culo pesado 5 vano 1
 AD   O       48              1.000        Veh¡culo pesado 6 vano 4
 AE   O       49              1.000        Veh¡culo pesado 7 vano 4
 AF   O       50              1.000        Veh¡culo pesado 8 vano 4
 AG   O       51              1.000        Veh¡culo pesado 1 vano 5
 AH   O       52              1.000        Veh¡culo pesado 2 vano 5
 AI   O       53              1.000        Veh¡culo pesado 3 vano 5
 AJ   O       54              1.000        Veh¡culo pesado 4 vano 5
 AK   O       55              1.000        Veh¡culo pesado 5 vano 5
 AL   O       56              1.000        Veh¡culo pesado 6 vano 5
 AM   O       57              1.000        Veh¡culo pesado 7 vano 5
 AN   O       58              1.000        Veh¡culo pesado 8 vano 5
==========================================================================
```

```
.ID GWS3MY,STATIK2,1.58
.UN  M,KN
.EL !LHIP.030
.SK 3
.TP 12
.TK 6
ENVOLVENTE para < My > (y valores concomitantes)
(1. l¡nea: MIN., 2. l¡nea: MAX.)

Barra  Distancia        N         Vy         Vz         Mx         My         Mz
          [m]        [kN]       [kN]       [kN]      [kNm]      [kNm]      [kNm]
-------------------------------------------------------------------------------
 1101        0   0.148722   0.124774  -0.020946   0.150448  -0.143786  -0.090086
              -0.083666   0.001079   2.191      -7.480      7.724   -0.011857
.
 1101    1.270  -0.024635   0.002537  -5.452      -3.160     -3.701   0.001308
              -0.036142  -0.041306  116.058      -5.151    150.284   -0.118449
.
.
 1102        0  -0.022184   0.001271  -0.065242   -3.540  -0.833879  -0.001366
               0.027252  -0.075857  112.302      -7.361    153.085   -0.198475
.
 1102    1.270  -0.022184   0.001271  -0.065242   -3.540  -0.916733   0.000248
               0.027252  -0.075857  112.302      -7.361    296.337   -0.294810
.
.
 1103        0   0.352861   0.094957  -0.040305   0.206375  -0.520098  -0.049529
               0.088984  -0.059373  107.341     -12.429    298.712   -0.369752
.
 1103    1.270   0.352861   0.094957  -0.040305   0.206375  -0.571283   0.071062
               0.088984  -0.059373  107.341     -12.429    435.029   -0.445152
.
.
 1104        0   0.458295   0.097144  -0.027214   0.226509  -0.730882  -0.049805
               0.145980  -0.011655   51.074      -3.594    436.509   -0.512545
.
 1104    1.270   0.458295   0.097144  -0.027214   0.226509  -0.765443   0.073564
               0.145980  -0.011655   51.074      -3.594    501.370   -0.527346
.
.
 1105        0   0.564228   0.098086   0.002432   0.252157  -0.937276  -0.047796
               0.195166   0.045789   -4.739       2.081    501.595   -0.583581
.
 1105    1.270   0.564228   0.098086   0.002432   0.252157  -0.934188   0.076768
               0.195166   0.045789   -4.739       2.081    495.577   -0.525431
.
.
 1106        0   0.669247   0.102115   0.058564   0.284227   -1.122   -0.044329
               0.239699   0.094006  -62.312      10.876    494.597   -0.574362
.
 1106    1.270   0.669247   0.102115   0.058564   0.284227   -1.048   0.085352
               0.368314   0.046469   39.506      -9.420    434.934   -0.432171
.
.
 1107        0   0.771109   0.113737   0.155590   0.322475   -1.255   -0.031697
               0.469761   0.090939  -16.675      -0.466803  435.181   -0.550897
.
 1107    1.270   0.771109   0.113737   0.155590   0.322475   -1.057   0.112744
```

		0.469761	0.090939	-16.675	-0.466803	414.005	-0.435409
1108	0	0.862252	0.102789	0.312590	0.366440	-1.285	0.015905
		0.595384	0.186348	-70.242	5.400	412.936	-0.589258
1108	1.270	0.862252	0.102789	0.312590	0.366440	-0.887979	0.146442
		0.595384	0.186348	-70.242	5.400	323.732	-0.352605
1109	0	0.924732	-0.081507	0.552800	0.417417	-1.137	0.107410
		0.781909	0.482946	-123.340	14.474	321.312	-0.600271
1109	1.270	0.098040	0.044954	-1.318	1.672	-1.427	0.040671
		0.781909	0.482946	-123.340	14.474	164.676	0.013046
1110	0	0.128262	0.038218	2.807	0.065701	-2.423	0.008481
		1.042	1.204	-124.868	9.989	161.352	-0.326767
1110	1.270	0.119642	0.027224	-0.005759	-0.000328	-0.081986	0.047109
		0.275259	0.118830	0.328514	7.747	7.030	0.139284
1201	0	-0.079337	0.140511	159.051	2.828	-9.055	-0.119312
		0.115379	0.259239	0.215378	0.218701	0.018765	-0.218644
1201	1.270	0.116099	-0.001375	-0.007725	0.000162	-0.009742	0.000613
		-0.030593	0.057221	203.611	0.863468	253.298	0.029014
1202	0	0.118155	-0.002355	-0.007723	0.000178	-0.009674	0.002905
		-0.032624	0.046076	67.745	0.591026	248.770	-0.021946
1202	1.270	0.118155	-0.002355	-0.007723	0.000178	-0.019482	-8.55E-05
		-0.066944	0.151556	167.067	3.199	396.397	0.095286
1203	0	0.119904	-0.002340	-0.007751	0.000162	-0.019418	0.002203
		-0.047715	0.141114	182.590	1.963	388.983	-0.068155
1203	1.270	0.119904	-0.002340	-0.007751	0.000162	-0.029261	-0.000770
		-0.047715	0.141114	182.590	1.963	620.864	0.111052
1204	0	0.121138	-0.001780	-0.007805	0.000132	-0.029203	0.001011
		-0.026942	0.119562	72.721	1.594	615.974	-0.043656
1204	1.270	0.121138	-0.001780	-0.007805	0.000132	-0.039114	-0.001249
		-0.026942	0.119562	72.721	1.594	708.326	0.108183
1205	0	0.121960	-0.000810	-0.007889	8.90E-05	-0.039066	-0.000589
		-0.005759	0.098917	-36.208	0.175532	706.900	-0.030450
1205	1.270	0.121960	-0.000810	-0.007889	8.90E-05	-0.049084	-0.001617
		-0.005759	0.098917	-36.208	0.175532	660.918	0.095170
1206	0	0.121960	0.001094	-0.008012	3.23E-05	-0.049050	-0.002919
		0.012134	0.092333	-143.378	-0.302373	662.913	-0.031213
1206	1.270	0.121960	0.001094	-0.008012	3.23E-05	-0.059225	-0.001530
		0.089465	0.203295	124.125	-0.032867	618.863	0.164799
1207	0	0.121035	0.005319	-0.008181	-3.90E-05	-0.059213	-0.005993
		0.100777	0.221496	14.097	-0.451170	618.621	-0.084048
1207	1.270	0.121035	0.005319	-0.008181	-3.90E-05	-0.069602	0.000762
		0.100777	0.221496	14.097	-0.451170	636.523	0.197240
1208	0	0.118567	0.013606	-0.008393	-0.000125	-0.069624	-0.007784
		0.074040	0.236342	-99.554	-1.804	639.784	-0.057119
1208	1.270	0.118567	0.013606	-0.008393	-0.000125	-0.080282	0.009495
		0.074040	0.236342	-99.554	-1.804	513.356	0.243023
1209	0	0.114556	0.025636	-0.008632	-0.000219	-0.080354	-0.000789
		-0.033935	0.098179	-216.236	-2.159	520.080	-0.030605
1209	1.270	0.114556	0.025636	-0.008632	-0.000219	-0.091317	0.031767
		-0.033935	0.098179	-216.236	-2.159	245.471	0.094077
1210	0	0.111471	0.035070	-0.008830	-0.000277	-0.091462	0.034364
		-0.192709	-0.478836	-209.419	-3.649	254.507	-0.271753
1210	1.270	-0.192709	-0.478836	-209.419	-3.649	-11.444	-0.879850
		0.192092	-0.571454	0.026895	-0.016338	0.180779	-0.862332
1301	0	-0.099440	0.008934	159.080	1.026	-9.729	-0.008064
		-0.030002	0.040134	54.683	4.815	1.134	-0.034875
1301	1.270	0.114351	0.000986	-0.008144	1.57E-05	-0.010241	0.000376
		-0.028151	0.001557	196.692	0.486330	244.407	0.000401
1302	0	0.071263	0.018712	0.000781	0.008857	-0.010398	-0.013178
		-0.030516	0.002359	66.982	0.501603	239.938	-0.001967
1302	1.270	0.115276	0.001068	-0.008166	1.80E-05	-0.020513	0.000592
		-0.107875	0.010333	166.789	1.015	331.782	0.005702
1303	0	0.116716	0.001065	-0.008219	1.83E-05	-0.020424	-0.000644
		-0.119287	0.010022	181.607	0.123676	386.795	-0.005875
1303	1.270	0.116716	0.001065	-0.008219	1.83E-05	-0.030861	0.000709
		-0.119287	0.010022	181.607	0.123676	617.427	0.006852
1304	0	0.118155	0.000994	-0.008287	1.81E-05	-0.030789	-0.000511
		-0.134197	0.009284	73.393	0.397597	612.032	-0.004466

1304	1.270	0.118155	0.000994	-0.008287	1.81E-05	-0.041313	0.000752
		-0.134197	0.009284	73.393	0.397597	705.237	0.007324
1305	0	0.118875	0.000847	-0.008354	1.78E-05	-0.041265	-0.000375
		-0.153633	0.008409	-33.513	0.116123	703.383	-0.003114
1305	1.270	0.118875	0.000847	-0.008354	1.78E-05	-0.051874	0.000700
		-0.153633	0.008409	-33.513	0.116123	660.824	0.007564
1306	0	0.118772	0.000571	-0.008404	1.74E-05	-0.051858	-0.000276
		-0.179752	0.007039	-139.671	0.375044	662.532	-0.001358
1306	1.270	0.118772	0.000571	-0.008404	1.74E-05	-0.062531	0.000449
		-0.224074	0.008357	118.601	-0.620819	613.993	0.008571
1307	0	0.116819	0.000366	-0.008416	1.70E-05	-0.062553	-0.000354
		-0.275182	0.006902	10.395	-0.353794	614.119	-0.001150
1307	1.270	0.080621	0.325817	-0.138786	0.060126	-0.219123	0.263455
		-0.275182	0.006902	10.395	-0.353794	627.319	0.007616
1308	0	0.109055	0.338237	-0.085545	0.042975	-0.213370	-0.138671
		-0.350250	0.003855	-99.953	-0.616271	630.936	-0.000766
1308	1.270	0.109055	0.338237	-0.085545	0.042975	-0.322008	0.290873
		-0.350250	0.003855	-99.953	-0.616271	504.000	0.004129
1309	0	0.128464	0.252135	0.060373	0.044212	-0.329679	-0.139207
		-0.453289	-0.002487	-213.330	-0.307949	510.985	-0.004233
1309	1.270	0.128464	0.252135	0.060373	0.044212	-0.253009	0.180991
		-0.453289	-0.002487	-213.330	-0.307949	240.067	-0.007391
1310	0	0.113605	-0.078338	0.308821	0.101582	-0.273030	-0.341255
		-0.561469	-0.010378	-205.491	-1.157	249.284	-0.022799
1310	1.270	-0.561469	-0.010378	-205.491	-1.157	-11.679	-0.035980
		-0.021518	-0.278156	-26.403	-5.312	0.306790	-0.873226
1401	0	-0.119184	0.003388	53.242	7.245	-2.143	-5.67E-05
		-0.113836	0.106019	12.014	5.398	3.499	-0.090451
1401	1.270	-0.022778	0.232482	-0.120652	0.087098	-0.139556	0.097288
		-0.096355	0.000261	94.158	11.297	117.812	0.002283
1402	0	-0.072395	0.244666	-0.118136	0.098902	-0.127165	-0.166454
		-0.100777	-0.004487	89.246	12.709	116.175	0.006340
1402	1.270	-0.072395	0.244666	-0.118136	0.098902	-0.277192	0.144259
		-0.100777	-0.004487	89.246	12.709	229.513	0.000642
1403	0	-0.132706	0.245615	-0.109412	0.099754	-0.268239	-0.144555
		-0.106741	-0.008506	80.927	13.830	228.186	0.008735
1403	1.270	-0.132706	0.245615	-0.109412	0.099754	-0.407187	0.167364
		-0.106741	-0.008506	80.927	13.830	330.959	-0.002018
1404	0	-0.196977	0.245612	-0.091352	0.099553	-0.403681	-0.132811
		-0.113219	-0.012486	39.081	6.099	329.925	0.011371
1404	1.270	-0.196977	0.245612	-0.091352	0.099553	-0.519692	0.179103
		-0.113219	-0.012486	39.081	6.099	379.556	-0.004486
1405	0	-0.261968	0.249871	-0.060332	0.100146	-0.523292	-0.129590
		-0.120521	-0.018518	-3.826	-0.126069	378.756	0.016149
1405	1.270	-0.261968	0.249871	-0.060332	0.100146	-0.599911	0.187734
		-0.120521	-0.018518	-3.826	-0.126069	373.897	-0.007368
1406	0	-0.326753	0.257973	-0.013701	0.102080	-0.611630	-0.133344
		-0.129261	-0.028967	-46.185	-8.152	373.438	0.024368
1406	1.270	-0.326753	0.257973	-0.013701	0.102080	-0.629029	0.194268
		-0.159494	-0.038401	28.201	5.222	329.264	-0.010878
1407	0	-0.390124	0.274326	0.049111	0.105137	-0.649036	-0.148449
		-0.176359	-0.063607	-13.614	-2.559	330.361	0.058965
1407	1.270	-0.390124	0.274326	0.049111	0.105137	-0.586667	0.199931
		-0.176359	-0.063607	-13.614	-2.559	313.072	-0.021812
1408	0	-0.448276	0.310320	0.125170	0.107740	-0.614140	-0.178606
		-0.198160	-0.114425	-55.375	-8.384	314.249	0.084954
1408	1.270	-0.448276	0.310320	0.125170	0.107740	-0.455180	0.215484
		-0.198160	-0.114425	-55.375	-8.384	243.926	-0.060360
1409	0	-0.496633	0.411653	0.209501	0.106692	-0.488307	-0.214999
		-0.220269	-0.225379	-95.145	-15.572	244.999	0.083697
1409	1.270	-0.498330	0.330433	-1.674	-0.809429	-0.622865	0.089919
		-0.220269	-0.225379	-95.145	-15.572	124.170	-0.202523
1410	0	-0.505682	0.229896	1.333	-0.009421	-1.137	-0.407774
		-0.230861	-0.420611	-100.124	-14.053	125.174	-0.075475
1410	1.270	-0.191990	-0.170706	-68.964	-10.932	-3.251	-0.209950
		-0.393851	-0.087428	-7.614	-4.923	3.192	-0.460327
1501	0	0.111250	0.002729	-0.006896	-0.000119	-0.000110	-0.002967
		-0.091725	-0.005530	-2.924	6.672	7.153	0.000803

1501	1.270	-0.122134	0.056271	-10.623	1.421	-11.433	0.036585
		-0.113909	-0.006502	1.457	5.240	7.045	-0.007986
1502	0	-0.162929	0.049814	-9.275	1.529	-9.477	-0.011270
		-0.110835	-0.010309	1.479	5.761	12.076	-0.005219
1502	1.270	-0.162929	0.049814	-9.275	1.529	-21.256	0.051991
		-0.110835	-0.010309	1.479	5.761	13.954	-0.018311
1503	0	-0.206632	0.048203	-7.127	1.351	-19.584	0.001778
		-0.104770	-0.010620	0.189279	4.892	18.448	-0.011820
1503	1.270	-0.206632	0.048203	-7.127	1.351	-28.636	0.062992
		-0.104770	-0.010620	0.189279	4.892	18.688	-0.025306
1504	0	-0.250002	0.044443	-4.578	0.901540	-27.396	0.013632
		-0.095132	-0.010953	-1.622	3.295	22.281	-0.014278
1504	1.270	-0.250002	0.044443	-4.578	0.901540	-33.210	0.070073
		-0.095132	-0.010953	-1.622	3.295	20.220	-0.028138
1505	0	-0.290132	0.037059	-1.661	0.349727	-32.511	0.024510
		-0.079678	-0.013801	-3.488	1.079	22.551	-0.010325
1505	1.270	-0.290132	0.037059	-1.661	0.349727	-34.620	0.071572
		-0.059738	-0.016064	2.349	1.349	18.694	-0.028477
1506	0	-0.324695	0.026216	1.431	-0.246174	-34.530	0.032375
		-0.055168	-0.022545	-4.704	-1.659	18.851	0.000881
1506	1.270	-0.324695	0.026216	1.431	-0.246174	-32.713	0.065669
		-0.041792	-0.021886	4.115	-0.596443	23.441	-0.035664
1507	0	-0.352778	0.013029	4.629	-0.714837	-33.254	0.033479
		-0.015288	-0.029786	2.572	-3.520	20.880	-0.005126
1507	1.270	-0.352778	0.013029	4.629	-0.714837	-27.376	0.050025
		-0.015288	-0.029786	2.572	-3.520	24.146	-0.042953
1508	0	-0.377537	0.007009	7.351	-1.144	-28.509	0.019911
		0.022848	-0.040709	0.713469	-5.737	19.928	0.000770
1508	1.270	-0.377537	0.007009	7.351	-1.144	-19.173	0.028813
		0.022848	-0.040709	0.713469	-5.737	20.835	-0.050928
1509	0	-0.409109	0.039140	9.282	-1.483	-20.787	-0.013972
		0.072865	-0.052434	-0.777376	-7.177	15.426	0.005733
1509	1.270	-0.409109	0.039140	9.282	-1.483	-8.999	0.035734
		0.072865	-0.052434	-0.777376	-7.177	14.438	-0.060855
1510	0	-0.464111	0.154321	10.257	-1.664	-10.927	-0.035830
		0.126787	-0.058097	-1.593	-7.864	8.322	-0.000348
1510	1.270	0.122550	-0.036335	-0.005778	0.000397	-0.082080	-0.050415
		0.166502	-0.052038	4.374	-6.733	6.407	-0.089486
2101	0	0.251116	-0.487465	69.980	-1.959	-0.428400	0.674556
		-0.531440	-0.188307	8.601	-10.458	9.138	0.217820
2101	1.390	2.066	0.118818	-0.931793	-0.294561	-0.927088	0.168209
		0.194714	-0.960849	121.061	-6.359	169.815	-0.155893
2102	0	2.006	-0.142922	-0.501990	-0.356434	-0.641611	0.219500
		0.085173	-0.392940	116.752	-6.953	172.445	0.020849
2102	1.390	2.006	-0.142922	-0.501990	-0.356434	-1.339	0.020847
		0.085173	-0.392940	116.752	-6.953	334.724	-0.525316
2103	0	1.791	-0.236234	-0.260324	-0.332049	-1.075	0.250151
		-0.063424	-0.213135	109.877	-11.239	337.020	-0.328795
2103	1.390	1.791	-0.236234	-0.260324	-0.332049	-1.437	-0.078201
		-0.063424	-0.213135	109.877	-11.239	489.743	-0.625041
2104	0	1.522	-0.246763	-0.116207	-0.294126	-1.198	0.223906
		-0.181999	-0.141911	52.508	-3.131	491.178	-0.487591
2104	1.390	1.522	-0.246763	-0.116207	-0.294126	-1.359	-0.119080
		-0.181999	-0.141911	52.508	-3.131	564.161	-0.684839
2105	0	1.240	-0.242087	-0.033786	-0.257857	-1.145	0.201910
		-0.284442	-0.075235	-4.720	1.827	564.325	-0.568675
2105	1.390	1.240	-0.242087	-0.033786	-0.257857	-1.192	-0.134578
		-0.284442	-0.075235	-4.720	1.527	557.764	-0.673247
2106	0	2.389	0.188853	0.031609	0.260717	-1.153	-0.066649
		-0.377738	-0.016070	-63.409	9.702	556.742	-0.564760
2106	1.390	2.389	0.188853	0.031609	0.260717	-1.110	0.195846
		0.447235	0.028347	39.771	-8.988	490.108	-0.480493
2107	0	2.605	0.195547	0.121751	0.302986	-1.324	-0.051801
		0.534799	0.082823	-17.660	-0.876946	490.836	-0.582554
2107	1.390	1.797	0.139779	0.095749	0.270321	-1.158	0.161945
		0.534799	0.082823	-17.660	-0.876946	466.290	-0.467434
2108	0	2.803	0.185575	0.279974	0.352779	-1.396	0.000766

		0.649123	0.171923	-72.787	4.361	465.634	-0.605814
2108	1.390	1.926	0.107527	0.252703	0.327387	-1.015	0.171206
		0.649123	0.171923	-72.787	4.361	364.464	-0.366850
2109	0	2.945	0.005033	0.536024	0.412475	-1.275	0.135039
		0.832260	0.434878	-127.039	12.726	362.330	-0.612185
2109	1.390	1.993	-0.078083	0.500892	0.415479	-0.555691	0.017346
		0.832260	0.434878	-127.039	12.726	185.753	-0.007729
2110	0	0.112748	0.042980	2.321	0.331332	-1.794	0.003930
		1.104	1.165	-129.706	8.690	182.630	-0.376127
2110	1.390	-1.444	0.185618	-24.061	0.370775	-0.452490	0.131014
		-0.304900	0.170210	-4.150	9.003	8.560	0.197756
2201	0	-1.249	0.411518	148.787	4.389	-11.852	-0.066388
		0.339555	0.039265	-0.015263	-0.000141	0.102895	-0.084738
2201	1.390	-0.153335	-0.010391	0.005943	5.10E-05	-0.030740	-0.017012
		-0.757375	0.578913	194.439	1.713	262.906	0.056800
2202	0	-0.150846	-0.001491	0.005764	4.82E-05	-0.030734	-0.006807
		-0.643596	-0.359799	65.269	1.255	257.809	0.453455
2202	1.390	-0.150846	-0.001491	0.005764	4.82E-05	-0.022722	-0.008879
		-1.021	-0.183833	159.012	3.915	406.514	0.160556
2203	0	-0.147322	0.004262	0.005621	1.77E-05	-0.022743	-0.009049
		-0.903219	-0.252063	177.207	2.510	398.365	0.332062
2203	1.390	-0.147322	0.004262	0.005621	1.77E-05	-0.014930	-0.003125
		-0.903219	-0.252063	177.207	2.510	644.673	-0.018292
2204	0	-0.145208	0.006826	0.005524	-5.55E-06	-0.014963	-0.009056
		-0.870522	-0.204920	69.996	1.745	639.297	0.218432
2204	1.390	0.254314	-0.014483	-0.021378	0.012932	-0.010749	0.007422
		-0.870522	-0.204920	69.996	1.745	736.588	-0.066396
2205	0	-0.143752	0.007643	0.005473	-1.72E-05	-0.007323	-0.008201
		-0.874703	-0.186236	-35.767	0.049512	735.131	0.179292
2205	1.390	0.243110	-0.023872	-0.015213	0.009535	-0.024779	-0.005423
		-0.874703	-0.186236	-35.767	0.049512	685.417	-0.079566
2206	0	0.234302	-0.028420	-0.007874	0.006676	-0.017834	0.026952
		-0.898121	-0.182305	-140.375	-0.810748	687.802	0.162654
2206	1.390	0.234302	-0.028420	-0.007874	0.006676	-0.028778	-0.012550
		-0.276887	0.160202	122.773	-0.059177	643.017	0.203242
2207	0	0.226809	-0.031331	-0.001282	0.004406	-0.022339	0.026087
		-0.266129	0.178132	15.693	-0.813942	642.220	-0.013428
2207	1.390	0.330160	0.009669	-0.014598	9.85E-05	-0.040324	0.004246
		-0.266129	0.178132	15.693	-0.813942	664.032	0.234235
2208	0	0.328657	0.016723	-0.014796	3.50E-05	-0.040266	-0.012332
		-0.299389	0.210260	-94.342	-2.367	667.243	0.009441
2208	1.390	0.328657	0.016723	-0.014796	3.50E-05	-0.060831	0.010912
		-0.299389	0.210260	-94.342	-2.367	536.113	0.301690
2209	0	0.325086	0.028041	-0.015068	-5.39E-05	-0.060819	-0.009493
		-0.437551	0.127529	-208.123	-2.988	543.358	0.071008
2209	1.390	0.325086	0.028041	-0.015068	-5.39E-05	-0.081762	0.029482
		-0.437551	0.127529	-208.123	-2.988	254.079	0.248266
2210	0	0.321234	0.037638	-0.015337	-0.000128	-0.081829	0.019826
		-0.682869	-0.436645	-199.074	-4.373	264.003	-0.023607
2210	1.390	-0.682869	-0.436645	-199.074	-4.373	-12.699	-0.630519
		0.425995	-0.510371	-0.002526	-0.017575	0.160941	-0.741939
2301	0	-1.653	-0.019146	148.335	1.291	-13.226	0.055082
		-0.650736	-0.933468	57.169	9.739	0.500091	1.263
2301	1.390	0.767147	-0.808910	-0.271529	-0.084974	-0.297624	0.509964
		-1.133	-0.056378	188.091	-0.041364	254.129	-0.022186
2302	0	0.803696	-0.698933	-0.003095	-0.041618	-0.278613	0.859344
		-1.013	-0.030043	63.845	0.447135	249.020	0.016995
2302	1.390	0.803696	-0.698933	-0.003095	-0.041618	-0.282915	-0.112133
		-1.530	-0.002225	158.204	1.104	402.169	0.007096
2303	0	0.797495	-0.596009	0.137387	-0.047696	-0.279500	0.584746
		-1.423	-0.000934	175.722	0.255220	392.969	0.004553
2303	1.390	0.256922	-0.036742	-0.024728	-0.011176	-0.229637	-0.015410
		-1.423	-0.000934	175.722	0.255220	637.213	0.003254
2304	0	0.231037	-0.036427	0.003293	-0.010817	-0.211206	0.032279
		-1.353	-0.004170	70.474	0.416666	630.996	0.007024
2304	1.390	0.231037	-0.036427	0.003293	-0.010817	-0.206629	-0.018353
		-1.353	-0.004170	70.474	0.416666	728.951	0.001229

2305	0	0.217225	-0.036974	0.016304	-0.010104	-0.192199	0.031300
		-1.317	-0.007191	-33.050	0.064138	726.900	0.009284
2305	1.390	0.217225	-0.036974	0.016304	-0.010104	-0.169537	-0.020091
		-1.317	-0.007191	-33.050	0.064138	680.962	-0.000711
2306	0	0.210179	-0.037147	0.021106	-0.009474	-0.158275	0.030294
		-1.308	-0.009931	-136.445	0.223905	683.091	0.011311
2306	1.390	0.210179	-0.037147	0.021106	-0.009474	-0.128938	-0.021337
		-1.073	0.004737	117.356	-0.465110	634.977	0.010268
2307	0	0.207078	-0.036942	0.022023	-0.008992	-0.120001	0.029200
		-1.111	0.002559	12.114	-0.304542	634.884	0.005186
2307	1.390	0.143963	0.534358	-0.169392	0.047659	-0.164329	0.516690
		-1.111	0.002559	12.114	-0.304542	651.721	0.008743
2308	0	0.187441	0.569005	-0.129517	0.024834	-0.155077	-0.220217
		-1.185	-0.000839	-94.680	-0.647080	655.758	0.006811
2308	1.390	0.187441	0.569005	-0.129517	0.024834	-0.335099	0.570668
		-1.185	-0.000839	-94.680	-0.647080	524.158	0.005645
2309	0	0.227772	0.604158	0.022962	0.021445	-0.342694	-0.182568
		-1.301	-0.007391	-205.140	-0.455421	532.217	0.006368
2309	1.390	0.227772	0.604158	0.022962	0.021445	-0.310779	0.657177
		-1.301	-0.007391	-205.140	-0.455421	247.084	-0.003904
2310	0	0.221265	0.523191	0.311344	0.086077	-0.334973	-0.061115
		-1.433	-0.014893	-195.218	-1.236	257.790	-0.006544
2310	1.390	-1.433	-0.014893	-195.218	-1.236	-13.552	-0.027244
		-0.157188	0.244894	-27.074	-5.175	0.332351	0.260545
2401	0	-1.327	0.327720	94.786	14.442	-4.021	-0.427313
		-1.426	0.271084	17.075	7.676	3.339	-0.003786
2401	1.390	-0.114250	-0.460895	-0.213603	-0.059123	-0.276706	0.175040
		-1.327	0.327720	94.786	14.442	127.727	0.028200
2402	0	-0.048105	-0.370903	-0.135885	-0.064448	-0.243985	0.437416
		-1.299	0.197575	90.186	13.685	125.202	-0.169009
2402	1.390	-0.343408	-0.571664	-0.166351	-0.105802	-0.463799	-0.030478
		-1.299	0.197575	90.186	13.685	250.555	0.105610
2403	0	-0.241560	-0.528545	-0.087698	-0.104841	-0.432679	0.559850
		-1.266	0.106156	81.478	13.962	248.515	-0.063679
2403	1.390	-0.241560	-0.528545	-0.087698	-0.104841	-0.554574	-0.174798
		-1.266	0.106156	81.478	13.962	361.765	0.083873
2404	0	-0.140839	-0.504381	-0.017464	-0.102026	-0.529650	0.485630
		-1.244	0.051394	38.978	6.257	360.234	-0.020867
2404	1.390	-0.140839	-0.504381	-0.017464	-0.102026	-0.553924	-0.215431
		-1.244	0.051394	38.978	6.257	414.411	0.050569
2405	0	-0.038804	-0.489717	0.037034	-0.100234	-0.537303	0.447709
		-1.233	0.015281	-4.586	-0.044883	413.330	0.002583
2405	1.390	-0.810320	0.442417	-0.080290	0.090780	-0.626506	0.420821
		-1.233	0.015281	-4.586	-0.044883	406.956	0.023823
2406	0	-0.921258	0.454595	-0.038746	0.091322	-0.639451	-0.189302
		-1.230	-0.014971	-47.224	-7.982	406.455	0.022579
2406	1.390	-0.921258	0.454595	-0.038746	0.091322	-0.693305	0.442559
		-1.017	-0.020934	30.019	4.925	360.630	0.002211
2407	0	-1.030	0.477310	0.026483	0.093692	-0.717658	-0.192258
		-1.030	-0.056383	-12.478	-2.788	362.024	0.058654
2407	1.390	-1.030	0.477310	0.026483	0.093692	-0.680848	0.471177
		-1.030	-0.056383	-12.478	-2.788	344.680	-0.019716
2408	0	-1.138	0.518930	0.113862	0.096359	-0.715887	-0.199394
		-1.054	-0.113665	-55.412	-8.707	346.342	0.094044
2408	1.390	-1.138	0.518930	0.113862	0.096359	-0.557626	0.521888
		-1.054	-0.113665	-55.412	-8.707	269.322	-0.063944
2409	0	-1.243	0.608092	0.216788	0.095103	-0.601109	-0.178956
		-1.085	-0.222754	-96.334	-15.822	271.021	0.113513
2409	1.390	-1.243	0.608092	0.216788	0.095103	-0.299736	0.666257
		-1.085	-0.222754	-96.334	-15.822	137.122	-0.196103
2410	0	-1.581	0.355058	0.305352	-0.266139	-0.610008	-0.011458
		-1.109	-0.406495	-102.052	-14.752	138.855	-0.013617
2410	1.390	-1.305	-0.198286	-67.979	-11.459	-4.490	-0.268657
		-1.581	-0.168643	-11.689	-6.417	3.386	-0.358921
2501	0	-0.750692	-0.033846	0.077008	-0.100226	-0.070190	0.095660
		-0.624982	0.128992	2.537	9.496	8.685	-0.173641
2501	1.390	-1.540	0.003414	-11.672	2.644	-13.033	0.103937
		-0.563911	0.119691	6.224	7.352	14.783	0.007866

2502	0	-1.596	0.013425	-10.360	2.453	-9.999	0.049641
		-0.638078	0.064834	5.045	6.818	20.898	-0.078952
2502	1.390	-1.596	0.013425	-10.360	2.453	-24.399	0.068301
		-0.638078	0.064834	5.045	6.818	27.910	0.011164
2503	0	-1.588	-0.018746	-7.930	2.055	-21.821	0.077986
		-0.699262	0.034877	2.824	5.681	33.428	-0.060694
2503	1.390	-1.588	-0.018746	-7.930	2.055	-32.843	0.051931
		-0.699262	0.034877	2.824	5.681	37.354	-0.012217
2504	0	-1.543	-0.046986	-5.011	1.334	-30.963	0.101791
		-0.736308	0.018133	-0.080570	3.929	41.831	-0.055236
2504	1.390	-1.543	-0.046986	-5.011	1.334	-37.927	0.036483
		-0.736308	0.018133	-0.080570	3.929	41.719	-0.030032
2505	0	-1.475	-0.065788	-1.685	0.472248	-36.917	0.113676
		-0.750921	0.005571	-3.180	1.521	44.699	-0.046819
2505	1.390	-1.475	-0.065788	-1.685	0.472248	-39.259	0.022234
		-0.893350	0.006815	3.019	1.373	44.674	-0.039537
2506	0	-1.390	-0.081899	1.775	-0.465980	-39.225	0.119178
		-0.895457	-0.009438	3.484	-0.998384	44.002	-0.042259
2506	1.390	-1.390	-0.081899	1.775	-0.465980	-36.757	0.005343
		-0.895457	-0.009438	3.484	-0.998384	48.846	-0.055377
2507	0	-1.291	-0.098795	5.290	-1.269	-37.726	0.117595
		-0.874752	-0.024590	0.505706	-4.236	45.600	-0.031628
2507	1.390	-1.291	-0.098795	5.290	-1.269	-30.373	-0.019725
		-0.874752	-0.024590	0.505706	-4.236	46.303	-0.065807
2508	0	-1.185	-0.108023	8.220	-2.000	-32.272	0.098334
		-0.829148	-0.043800	-2.585	-6.636	41.043	-0.013183
2508	1.390	-1.185	-0.108023	8.220	-2.000	-20.847	-0.051813
		-0.829148	-0.043800	-2.585	-6.636	37.451	-0.074062
2509	0	-1.095	-0.072358	10.262	-2.563	-23.498	0.042407
		-0.757999	-0.073518	-4.987	-8.185	30.765	0.008449
2509	1.390	-1.095	-0.072358	10.262	-2.563	-9.234	-0.058166
		-0.757999	-0.073518	-4.987	-8.185	23.834	-0.093736
2510	0	-1.074	0.065061	11.281	-2.855	-12.370	-0.045994
		-0.677950	-0.120583	-6.274	-8.917	16.317	-0.001262
2510	1.390	0.307291	-0.032368	-0.011530	0.000224	-0.082275	-0.044965
		-0.475930	-0.099729	0.766788	-8.049	7.976	-0.147051
3101	0	0.298698	-0.562115	73.250	0.247940	-2.669	0.733315
		-0.626832	-0.276973	19.831	-12.187	11.929	0.317809
3101	1.640	3.243	0.027308	-0.885399	-0.291085	-1.052	0.088124
		1.032	-1.033	129.273	-3.883	211.392	-0.416737
3102	0	3.083	-0.163801	-0.427559	-0.333958	-0.740261	0.246364
		0.776197	-0.362221	123.959	-4.437	212.479	-0.039471
3102	1.640	3.083	-0.163801	-0.427559	-0.333958	-1.441	-0.022258
		0.776197	-0.362221	123.959	-4.437	415.764	-0.633489
3103	0	2.827	-0.202309	-0.187740	-0.296382	-1.161	0.255099
		0.599954	-0.192567	114.620	-8.319	416.851	-0.404240
3103	1.640	2.827	-0.202309	-0.187740	-0.296382	-1.469	-0.076674
		0.599954	-0.192567	114.620	-8.319	604.821	-0.720037
3104	0	2.551	-0.199978	-0.060195	-0.251256	-1.223	0.239281
		0.501080	-0.114763	54.936	-1.682	605.346	-0.607830
3104	1.640	2.551	-0.199978	-0.060195	-0.251256	-1.322	-0.092670
		0.501080	-0.114763	54.936	-1.682	695.438	-0.796034
3105	0	2.274	-0.197178	0.000873	-0.211961	-1.110	0.222928
		0.428585	-0.039454	-5.130	2.044	694.896	-0.714045
3105	1.640	2.274	-0.197178	0.000873	-0.211961	-1.108	-0.100431
		0.428585	-0.039454	-5.130	2.044	686.483	-0.778747
3106	0	2.673	0.205027	-0.002223	0.207404	-1.010	-0.100038
		0.365483	0.025298	-65.872	8.279	685.050	-0.704260
3106	1.640	2.673	0.205027	-0.002223	0.207404	-1.013	0.236192
		0.514752	0.048811	41.145	-8.360	604.494	-0.572939
3107	0	2.960	0.209466	0.060559	0.249646	-1.219	-0.090018
		0.646585	0.112643	-18.621	-1.722	606.210	-0.724942
3107	1.640	2.960	0.209466	0.060559	0.249646	-1.120	0.253493
		0.646585	0.112643	-18.621	-1.722	575.673	-0.540215
3108	0	3.234	0.212374	0.194048	0.301338	-1.360	-0.055100
		0.802512	0.195073	-76.871	2.539	576.089	-0.719876
3108	1.640	3.234	0.212374	0.194048	0.301338	-1.042	0.293180
		0.802512	0.195073	-76.871	2.539	450.026	-0.399969

3109	0	3.446	0.085355	0.440302	0.361956	-1.320	0.093548
		1.026	0.392290	-133.542	9.746	448.883	-0.685641
3109	1.640	3.446	0.085355	0.440302	0.361956	-0.597575	0.233525
		1.026	0.392290	-133.542	9.746	229.887	-0.042312
3110	0	3.447	-0.606179	0.856906	0.437248	-0.907323	0.331030
		1.333	1.111	-138.309	6.394	227.735	-0.482611
3110	1.640	0.504474	0.747652	-95.258	0.589440	-2.586	0.959626
		-0.495096	0.246360	-13.817	10.978	11.484	0.288873
3201	0	-1.088	0.311562	132.824	6.319	-12.918	-0.115026
		0.555361	0.044158	-0.013022	-0.000163	0.103023	-0.080800
3201	1.640	0.566112	-0.045110	0.013413	0.000170	-0.081855	0.006548
		0.071749	0.458225	185.842	2.628	295.547	0.062289
3202	0	0.567784	-0.033975	0.012965	5.52E-05	-0.081816	0.036804
		0.304119	-0.371744	58.858	1.838	289.365	0.575296
3202	1.640	0.567784	-0.033975	0.012965	5.52E-05	-0.060554	-0.018913
		-0.705469	-0.193132	144.861	5.679	432.344	0.114042
3203	0	0.567943	-0.022750	0.012585	-5.68E-05	-0.060605	0.019919
		-0.543356	-0.165636	167.582	4.145	423.415	0.308391
3203	1.640	0.567943	-0.022750	0.012585	-5.68E-05	-0.039966	-0.017389
		-0.543356	-0.165636	167.582	4.145	698.239	0.036760
3204	0	0.565634	-0.016989	0.012345	-0.000132	-0.040060	0.014237
		-0.505272	-0.114447	65.543	2.655	692.394	0.229167
3204	1.640	0.191677	-0.013775	-0.020129	0.011142	-0.024840	0.005284
		-0.505272	-0.114447	65.543	2.655	799.881	0.041480
3205	0	0.562050	-0.014913	0.012236	-0.000168	-0.019924	0.012783
		-0.509254	-0.107875	-34.159	0.323710	798.713	0.218155
3205	1.640	0.179792	-0.021880	-0.012052	0.007302	-0.036941	-0.005165
		-0.509254	-0.107875	-34.159	0.323710	742.695	0.041248
3206	0	0.170176	-0.025615	-0.004381	0.004161	-0.030028	0.031343
		-0.531969	-0.110856	-134.344	-1.375	746.049	0.212704
3206	1.640	0.170176	-0.025615	-0.004381	0.004161	-0.037213	-0.010663
		-0.370811	0.212332	118.391	-0.056989	696.839	0.298991
3207	0	0.161516	-0.027530	0.001296	0.001726	-0.031420	0.031110
		-0.341785	0.222202	16.514	-1.537	694.884	-0.042987
3207	1.640	0.561971	0.014946	-0.012335	0.000125	-0.040035	0.012128
		-0.341785	0.222202	16.514	-1.537	721.965	0.321409
3208	0	0.563563	0.020668	-0.012565	5.04E-05	-0.040009	-0.016245
		-0.353611	0.267692	-86.584	-3.572	724.892	-0.031988
3208	1.640	0.563563	0.020668	-0.012565	5.04E-05	-0.060615	0.017649
		-0.353611	0.267692	-86.584	-3.572	582.839	0.407009
3209	0	0.562687	0.031880	-0.012925	-5.97E-05	-0.060575	-0.018006
		-0.486319	0.262875	-194.639	-4.731	590.837	0.072936
3209	1.640	0.562687	0.031880	-0.012925	-5.97E-05	-0.081771	0.034275
		-0.486319	0.262875	-194.639	-4.731	271.691	0.504033
3210	0	0.560298	0.043127	-0.013338	-0.000167	-0.081824	0.006603
		-0.846141	-0.326473	-181.489	-6.057	282.976	0.336231
3210	1.640	-0.846141	-0.326473	-181.489	-6.057	-14.654	-0.199163
		0.534816	-0.509507	0.024078	-0.016230	0.181233	-0.744350
3301	0	-1.941	0.014604	130.419	1.336	-15.969	0.003939
		-0.658088	-0.411115	60.154	10.263	0.406414	0.531900
3301	1.640	0.268722	-0.797253	-0.255028	-0.057366	-0.279712	0.136650
		-1.190	-0.024776	178.841	0.227827	283.754	-0.021404
3302	0	0.303163	-0.699507	0.048933	-0.014138	-0.258813	0.368072
		-1.004	-0.014696	57.186	0.484276	277.150	0.014875
3302	1.640	0.199302	-0.032341	-0.063225	-0.008247	-0.233369	-0.007920
		-1.780	0.014929	142.229	1.186	418.176	0.021207
3303	0	0.149710	-0.032376	-0.013182	-0.009728	-0.208641	0.039847
		-1.649	0.008028	164.182	0.454702	406.816	0.003343
3303	1.640	0.149710	-0.032376	-0.013182	-0.009728	-0.230259	-0.013248
		-1.649	0.008028	164.182	0.454702	676.063	0.016508
3304	0	0.124586	-0.032742	0.009134	-0.009072	-0.211703	0.038341
		-1.569	0.002407	64.592	0.451580	668.363	0.008319
3304	1.640	0.124586	-0.032742	0.009134	-0.009072	-0.196724	-0.015354
		-1.569	0.002407	64.592	0.451580	774.289	0.012266
3305	0	0.112820	-0.033077	0.016714	-0.008337	-0.183207	0.037340
		-1.532	-0.002092	-32.265	-0.005278	771.940	0.011988
3305	1.640	0.112820	-0.033077	0.016714	-0.008337	-0.155798	-0.016905

			-1.532	-0.002092	-32.265	-0.005278	719.029	0.008557
3306	0	0.107624	-0.033185	0.017970	-0.007778	-0.145986	0.036205
		-1.526	-0.006906	-130.319	0.000118	722.034	0.015943
3306	1.640	0.107624	-0.033185	0.017970	-0.007778	-0.116517	-0.018216
		-1.379	0.007110	113.858	-0.226515	673.597	0.015390
3307	0	0.105713	-0.033054	0.017257	-0.007399	-0.109262	0.034962
		-1.420	0.003029	14.254	-0.230583	672.949	0.007084
3307	1.640	0.105713	-0.033054	0.017257	-0.007399	-0.080963	-0.019244
		-1.420	0.003029	14.254	-0.230583	696.324	0.012051
3308	0	0.105713	-0.032995	0.016446	-0.007164	-0.075382	0.033829
		-1.506	-0.001347	-85.503	-0.692518	701.018	0.010230
3308	1.640	0.183236	0.576648	-0.157779	0.018305	-0.199103	0.612428
		-1.506	-0.001347	-85.503	-0.692518	560.798	0.008021
3309	0	0.226337	0.678615	-0.039040	0.004935	-0.199878	-0.315738
		-1.650	-0.006151	-190.136	-0.683222	570.760	0.013301
3309	1.640	0.226337	0.678615	-0.039040	0.004935	-0.263901	0.797145
		-1.650	-0.006151	-190.136	-0.683222	258.949	0.003215
3310	0	0.211645	0.833606	0.250126	0.052375	-0.286060	0.039791
		-1.836	-0.002802	-176.307	-1.363	272.313	0.018635
3310	1.640	-1.836	-0.002802	-176.307	-1.363	-16.818	0.014040
		-0.246444	0.547415	-28.333	-5.144	0.379944	0.941500
3401	0	-1.684	0.294646	94.593	15.677	-6.367	-0.386221
		-2.232	0.312048	24.896	10.948	3.189	-0.192325
3401	1.640	-1.378	-0.708820	-0.266103	-0.081635	-0.288985	0.195845
		-1.684	0.294646	94.593	15.677	148.760	0.096978
3402	0	-1.253	-0.600293	-0.158089	-0.084021	-0.243377	0.786776
		-1.617	0.204538	89.972	14.698	144.440	-0.192108
3402	1.640	-1.253	-0.600293	-0.158089	-0.084021	-0.502632	-0.197664
		-1.617	0.204538	89.972	14.698	291.988	0.143322
3403	0	-1.108	-0.548845	-0.060777	-0.082906	-0.462798	0.644329
		-1.570	0.113898	80.917	14.181	288.567	-0.083500
3403	1.640	-1.108	-0.548845	-0.060777	-0.082906	-0.562469	-0.255741
		-1.570	0.113898	80.917	14.181	421.266	0.103285
3404	0	-0.968099	-0.520738	0.015715	-0.081175	-0.532716	0.587785
		-1.545	0.054680	37.676	6.508	418.842	-0.028747
3404	1.640	-0.968099	-0.520738	0.015715	-0.081175	-0.506944	-0.266191
		-1.545	0.054680	37.676	6.508	480.628	0.060924
3405	0	-0.824919	-0.505152	0.062233	-0.082215	-0.489485	0.552312
		-1.533	0.016862	-6.677	-0.073345	479.111	0.002211
3405	1.640	-0.540171	0.468483	-0.078168	0.075799	-0.401193	0.468823
		-1.533	0.016862	-6.677	-0.073345	468.161	0.029864
3406	0	-0.678434	0.476078	-0.061234	0.072606	-0.408147	-0.286220
		-1.530	-0.013806	-49.295	-7.928	467.679	0.027325
3406	1.640	-0.678434	0.476078	-0.061234	0.072606	-0.508566	0.494516
		-1.379	-0.015939	33.608	4.744	419.570	0.002620
3407	0	-0.813790	0.493193	-0.015404	0.072064	-0.527708	-0.279705
		-1.394	-0.052875	-9.613	-2.944	421.385	0.060054
3407	1.640	-0.813790	0.493193	-0.015404	0.072064	-0.552970	0.529099
		-1.394	-0.052875	-9.613	-2.944	405.621	-0.026658
3408	0	-0.948450	0.524721	0.061044	0.073905	-0.584696	-0.275218
		-1.422	-0.112628	-54.375	-9.213	408.134	0.135635
3408	1.640	-0.948450	0.524721	0.061044	0.073905	-0.484587	0.585289
		-1.422	-0.112628	-54.375	-9.213	318.963	-0.079067
3409	0	-1.096	0.582240	0.160540	0.074314	-0.526887	-0.230350
		-1.469	-0.216942	-97.132	-16.353	321.871	0.154940
3409	1.640	-1.096	0.582240	0.160540	0.074314	-0.263613	0.723986
		-1.469	-0.216942	-97.132	-16.353	162.499	-0.200831
3410	0	-1.241	0.696418	0.273816	0.069252	-0.312246	0.116371
		-1.526	-0.371697	-104.111	-16.034	165.736	0.096830
3410	1.640	-1.663	-0.192142	-64.149	-12.058	-6.509	-0.240816
		-2.202	-0.209771	-18.781	-9.449	3.641	-0.103376
3501	0	0.438734	0.027607	0.009671	-0.000302	-0.082949	-0.040433
		-0.837690	0.190191	12.491	11.569	11.776	-0.273289
3501	1.640	-2.640	-0.045605	-12.805	5.048	-14.712	0.059017
		-0.837690	0.190191	12.491	11.569	32.260	0.038611
3502	0	-2.676	0.028519	-11.268	4.624	-8.766	0.036514
		-0.999972	0.099184	10.631	10.191	43.808	-0.148953

3502	1.640	-2.676	0.028519	-11.268	4.624	-27.245	0.083284
		-0.999972	0.099184	10.631	10.191	61.241	0.013702
3503	0	-2.694	0.013503	-8.417	3.782	-22.205	0.067690
		-1.121	0.050506	7.372	7.289	70.979	-0.125994
3503	1.640	-2.694	0.013503	-8.417	3.782	-36.009	0.089833
		-1.121	0.050506	7.372	7.289	83.069	-0.043168
3504	0	-2.685	-0.011364	-5.049	2.453	-32.361	0.098882
		-1.190	0.022263	6.336	4.595	89.772	-0.122115
3504	1.640	-2.685	-0.011364	-5.049	2.453	-40.640	0.080246
		-1.190	0.022263	6.336	4.595	100.162	-0.085605
3505	0	-2.652	-0.029774	-1.314	0.892315	-38.719	0.116359
		-1.220	0.004887	4.655	1.275	102.990	-0.121207
3505	1.640	-2.652	-0.029774	-1.314	0.892315	-40.875	0.067532
		-1.220	0.004887	4.655	1.275	110.623	-0.113192
3506	0	-2.601	-0.044900	2.369	-0.806814	-40.867	0.125983
		-1.223	-0.007220	2.119	-1.763	109.446	-0.116190
3506	1.640	-2.601	-0.044900	2.369	-0.806814	-36.983	0.052349
		-1.223	-0.007220	2.119	-1.763	112.922	-0.128031
3507	0	-2.531	-0.061341	5.933	-2.352	-38.912	0.131744
		-1.198	-0.019135	-3.988	-5.395	108.292	-0.099426
3507	1.640	-2.531	-0.061341	5.933	-2.352	-29.182	0.031149
		-1.198	-0.019135	-3.988	-5.395	101.752	-0.130805
3508	0	-2.442	-0.081650	8.716	-3.737	-32.879	0.133551
		-1.139	-0.038384	-9.742	-7.963	94.548	-0.062736
3508	1.640	-2.670	0.027157	7.295	-3.166	-19.926	0.099400
		-1.139	-0.038384	-9.742	-7.963	78.572	-0.125684
3509	0	-2.710	0.014071	9.738	-3.921	-24.197	0.049178
		-1.034	-0.081420	-14.080	-9.571	69.634	-0.002732
3509	1.640	-2.710	0.014071	9.738	-3.921	-8.227	0.072254
		-1.034	-0.081420	-14.080	-9.571	46.543	-0.136255
3510	0	-2.738	0.094017	11.286	-4.191	-13.237	0.022026
		-0.890883	-0.191917	-16.350	-10.304	36.643	0.035667
3510	1.640	0.445683	-0.027680	-0.009678	0.000300	-0.082835	-0.040755
		-0.718291	-0.166859	-7.493	-10.208	11.076	-0.240689

4101	0	-0.754185	-0.601811	69.979	-1.988	-0.431156	0.632624
		-0.450689	-0.190719	8.601	-10.458	9.138	0.210578
4101	1.390	2.951	-0.016804	-0.945017	-0.316193	-0.942831	0.019712
		0.613046	-1.075	121.058	-6.357	169.809	-0.331401
4102	0	2.784	-0.150121	-0.512098	-0.366137	-0.653429	0.199276
		0.386828	-0.398254	116.754	-6.952	172.443	-0.018335
4102	1.390	2.784	-0.150121	-0.512098	-0.366137	-1.365	-0.009383
		0.386828	-0.398254	116.754	-6.952	334.724	-0.571886
4103	0	2.581	-0.186857	-0.264901	-0.338096	-1.097	0.214198
		0.249105	-0.163780	109.875	-11.239	337.020	-0.381178
4103	1.390	2.581	-0.186857	-0.264901	-0.338096	-1.465	-0.045522
		0.249105	-0.163780	109.875	-11.239	489.741	-0.608823
4104	0	2.366	-0.186179	-0.117249	-0.298481	-1.223	0.197719
		0.187332	-0.078943	52.508	-3.130	491.178	-0.532912
4104	1.390	2.366	-0.186179	-0.117249	-0.298481	-1.386	-0.061058
		0.187332	-0.078943	52.508	-3.130	564.161	-0.642638
4105	0	1.914	-0.159730	-0.012482	-0.247229	-1.172	0.165556
		0.154215	-0.012107	-4.718	1.827	564.323	-0.604757
4105	1.390	2.150	-0.183263	-0.033002	-0.261111	-1.215	-0.068285
		0.154215	-0.012107	-4.718	1.827	557.766	-0.621586
4106	0	2.149	0.241007	0.033359	0.251693	-1.089	-0.115894
		0.132239	0.047117	-63.407	9.703	556.742	-0.594399
4106	1.390	2.149	0.241007	0.033359	0.251693	-1.043	0.219092
		-0.457066	0.091020	39.773	-8.988	490.109	-0.455787
4107	0	2.424	0.252174	0.118529	0.291092	-1.250	-0.095161
		-0.300839	0.145059	-17.661	-0.876398	490.837	-0.635397
4107	1.390	2.424	0.252174	0.118529	0.291092	-1.085	0.255346
		-0.300839	0.145059	-17.661	-0.876398	466.290	-0.433773
4108	0	2.675	0.236125	0.267295	0.336748	-1.318	-0.020442
		-0.130493	0.220268	-72.784	4.362	465.633	-0.632797
4108	1.390	2.675	0.236125	0.267295	0.336748	-0.946726	0.307759
		-0.130493	0.220268	-72.784	4.362	364.468	-0.326638
4109	0	2.831	0.009091	0.509138	0.388406	-1.205	0.175132
		0.063235	0.428277	-127.039	12.727	362.331	-0.577513

4109	1.390	-0.064430	0.049778	-1.936	1.821	-0.553924	0.047528
		0.063235	0.428277	-127.039	12.727	185.755	0.017768
4110	0	-0.031219	0.037673	2.321	0.331334	-1.794	0.013247
		0.220980	1.049	-129.705	8.692	182.632	-0.217827
4110	1.390	0.424158	0.069076	-24.061	0.371342	-0.451084	0.170573
		-0.475209	0.167855	-4.150	9.002	8.561	0.205520
4201	0	-1.033	0.418327	148.787	4.389	-11.852	-0.569696
		0.797213	0.051137	-0.004979	0.003028	0.098844	-0.085822
4201	1.390	0.322550	-0.038319	0.015361	0.000127	-0.081921	0.020611
		0.294833	0.566566	194.440	1.712	262.905	-0.233578
4202	0	0.326026	-0.028944	0.015091	5.26E-05	-0.081855	0.030578
		0.462355	-0.244731	65.269	1.255	257.808	0.342862
4202	1.390	0.326026	-0.028944	0.015091	5.26E-05	-0.060879	-0.009652
		-0.770295	-0.057397	159.013	3.916	406.514	0.085865
4203	0	0.329220	-0.017678	0.014817	-3.67E-05	-0.060892	0.011749
		-0.609584	-0.101938	177.209	2.511	398.363	0.190420
4203	1.390	0.329220	-0.017678	0.014817	-3.67E-05	-0.040298	-0.012823
		-0.609584	-0.101938	177.209	2.511	644.674	0.048733
4204	0	0.330630	-0.010616	0.014618	-0.000100	-0.040357	0.004947
		-0.555700	-0.061936	69.991	1.746	639.300	0.130451
4204	1.390	0.330630	-0.010616	0.014618	-0.000100	-0.020038	-0.009808
		-0.555700	-0.061936	69.991	1.746	736.583	0.044363
4205	0	0.330724	-0.007590	0.014514	-0.000133	-0.020120	0.003691
		-0.546516	-0.049283	-35.763	0.050200	735.128	0.113393
4205	1.390	0.143353	-0.015068	-0.017019	0.008059	-0.014815	0.004119
		-0.546516	-0.049283	-35.763	0.050200	685.419	0.044892
4206	0	0.134216	-0.020327	-0.009837	0.005325	-0.008686	0.025516
		-0.557368	-0.045416	-140.374	-0.810063	687.801	0.106926
4206	1.390	0.134216	-0.020327	-0.009837	0.005325	-0.022360	-0.002736
		-0.928328	0.296378	122.774	-0.058504	643.019	0.234238
4207	0	0.126582	-0.023461	-0.003194	0.003181	-0.016547	0.025691
		-0.903571	0.320156	15.693	-0.813286	642.221	-0.158061
4207	1.390	-0.213937	-0.001983	-0.007962	1.98E-05	-0.021733	-0.007827
		-0.903571	0.320156	15.693	-0.813286	664.034	0.286937

4208	0	-0.215252	0.001786	-0.008088	-1.38E-05	-0.021691	-0.009299
		-0.914423	0.359349	-94.341	-2.367	667.244	-0.092452
4208	1.390	-0.215252	0.001786	-0.008088	-1.38E-05	-0.032933	-0.006817
		-0.914423	0.359349	-94.341	-2.367	536.118	0.407023
4209	0	-0.218541	0.009831	-0.008273	-5.85E-05	-0.032913	-0.015218
		-1.007	0.251584	-208.125	-2.988	543.360	0.107384
4209	1.390	-0.218541	0.009831	-0.008273	-5.85E-05	-0.044412	-0.001554
		-1.007	0.251584	-208.125	-2.988	254.079	0.457071
4210	0	-0.220702	0.021231	-0.008495	-7.33E-05	-0.044432	-0.020084
		-1.214	-0.434927	-199.074	-4.373	264.004	0.417164
4210	1.390	-1.214	-0.434927	-199.074	-4.373	-12.697	-0.187360
		0.768087	-0.558638	0.031090	-0.016317	0.164913	-0.795335
4301	0	-1.543	0.026583	148.337	1.291	-13.226	-0.038294
		-0.413029	-0.121076	57.169	9.738	0.500114	-0.186856
4301	1.390	0.252412	-0.481743	-0.322482	-0.093310	-0.336245	0.024398
		-0.910711	-0.011203	188.092	-0.041410	254.129	-0.034195
4302	0	0.272800	-0.617728	-0.017625	-0.032797	-0.312431	0.712680
		-0.786220	-0.011919	63.845	0.447157	249.020	0.006252
4302	1.390	0.272800	-0.617728	-0.017625	-0.032797	-0.336929	-0.145927
		-1.427	0.016017	158.205	1.104	402.170	0.011769
4303	0	0.243110	-0.599475	0.142862	-0.037692	-0.330727	0.623667
		-1.326	0.007385	175.721	0.255256	392.969	0.000853
4303	1.390	0.135202	-0.030401	-0.022085	-0.010940	-0.226684	-0.007280
		-1.326	0.007385	175.721	0.255256	637.212	0.011118
4304	0	0.106804	-0.030973	0.005702	-0.010645	-0.208917	0.032787
		-1.260	0.002950	70.472	0.416703	630.997	0.004506
4304	1.390	0.106804	-0.030973	0.005702	-0.010645	-0.200992	-0.010263
		-1.260	0.002950	70.472	0.416703	728.950	0.008606
4305	0	0.090761	-0.031033	0.017792	-0.010009	-0.187324	0.031279
		-1.228	0.000496	-33.046	0.064174	726.897	0.006049
4305	1.390	0.090761	-0.031033	0.017792	-0.010009	-0.162594	-0.011855
		-1.228	0.000496	-33.046	0.064174	680.965	0.006738
4306	0	0.081953	-0.031165	0.021483	-0.009447	-0.152110	0.030219

		-1.222	-0.002270	-136.448	0.223942	683.093	0.008051
4306	1.390	0.081953	-0.031165	0.021483	-0.009447	-0.122250	-0.013099
		-1.237	0.012356	117.357	-0.465074	634.978	0.011296
4307	0	0.077372	-0.031292	0.021382	-0.009019	-0.114061	0.029130
		-1.278	0.009566	12.114	-0.304506	634.884	-0.004273
4307	1.390	0.778234	0.486151	-0.161231	0.054805	-0.135350	0.438019
		-1.278	0.009566	12.114	-0.304506	651.721	0.009023
4308	0	0.802756	0.523709	-0.127050	0.034848	-0.125771	-0.224665
		-1.356	0.007377	-94.681	-0.647045	655.758	-0.003253
4308	1.390	0.802756	0.523709	-0.127050	0.034848	-0.302364	0.503260
		-1.356	0.007377	-94.681	-0.647045	524.158	0.006994
4309	0	0.818071	0.618068	0.007443	0.030299	-0.307730	-0.128852
		-1.476	0.010879	-205.141	-0.455395	532.218	-0.000957
4309	1.390	0.818071	0.618068	0.007443	0.030299	-0.297385	0.730228
		-1.476	0.010879	-205.141	-0.455395	247.083	0.014164
4310	0	0.794394	0.714637	0.263244	0.077863	-0.317523	0.351586
		-1.614	0.031011	-195.217	-1.236	257.790	0.019327
4310	1.390	-1.614	0.031011	-195.217	-1.236	-13.550	0.062431
		-0.237919	1.034	-27.074	-5.176	0.332362	1.747
4401	0	-1.251	0.319980	94.787	14.442	-4.021	-0.440867
		-1.496	0.277756	17.073	7.676	3.341	-0.476952
4401	1.390	-1.396	-0.795051	-0.321352	-0.106011	-0.326327	0.103845
		-1.251	0.319980	94.787	14.442	127.728	0.003887
4402	0	-1.311	-0.622420	-0.213385	-0.108127	-0.280734	0.715791
		-1.222	0.196892	90.184	13.685	125.203	-0.174431
4402	1.390	-1.311	-0.622420	-0.213385	-0.108127	-0.577328	-0.149338
		-1.222	0.196892	90.184	13.685	250.554	0.099239
4403	0	-1.209	-0.538816	-0.113650	-0.108336	-0.536233	0.562872
		-1.192	0.109227	81.481	13.962	248.513	-0.067161
4403	1.390	-1.209	-0.538816	-0.113650	-0.108336	-0.694201	-0.186052
		-1.192	0.109227	81.481	13.962	361.767	0.084659
4404	0	-1.099	-0.501023	-0.027009	-0.105372	-0.661143	0.510288
		-1.171	0.055899	38.977	6.257	360.234	-0.023322
4404	1.390	-1.099	-0.501023	-0.027009	-0.105372	-0.698683	-0.186106
		-1.171	0.055899	38.977	6.257	414.411	0.054375
4405	0	-0.983950	-0.480458	0.038791	-0.103091	-0.676059	0.480493
		-1.160	0.020354	-4.590	-0.044844	413.333	0.000714
4405	1.390	-0.983950	-0.480458	0.038791	-0.103091	-0.622142	-0.187316
		-1.160	0.020354	-4.590	-0.044844	406.954	0.029004
4406	0	-0.866083	-0.468596	0.081235	-0.102848	-0.610793	0.457150
		-1.158	-0.009872	-47.221	-7.982	406.453	0.021361
4406	1.390	0.071312	0.425828	-0.038841	0.088407	-0.551850	0.384909
		-1.149	-0.015098	30.019	4.925	360.630	0.002725
4407	0	-0.019825	0.441043	0.014797	0.090382	-0.569926	-0.195726
		-1.164	-0.051125	-12.478	-2.788	362.024	0.052624
4407	1.390	-0.019825	0.441043	0.014797	0.090382	-0.549358	0.417299
		-1.164	-0.051125	-12.478	-2.789	344.681	-0.018437
4408	0	-0.111619	0.467476	0.084931	0.093049	-0.575881	-0.169315
		-1.189	-0.110331	-55.413	-8.707	346.343	0.091368
4408	1.390	-0.111619	0.467476	0.084931	0.093049	-0.457831	0.480450
		-1.189	-0.110331	-55.413	-8.707	269.322	-0.061985
4409	0	-0.208206	0.517638	0.165086	0.093138	-0.490811	-0.062917
		-1.222	-0.224728	-96.334	-15.822	271.021	0.117615
4409	1.390	-0.208206	0.517638	0.165086	0.093138	-0.261351	0.656570
		-1.222	-0.224728	-96.334	-15.822	137.122	-0.194744
4410	0	-0.912367	0.371404	0.903858	-0.266105	-0.611812	0.295263
		-1.245	-0.418647	-102.052	-14.752	138.855	0.003426
4410	1.390	-1.238	-0.201244	-67.979	-11.459	-4.490	-0.242105
		-1.343	-0.162364	-11.691	-6.417	3.385	0.062253
4501	0	0.306836	0.032679	0.011548	-0.000231	-0.082381	-0.045097
		-0.534920	0.115626	2.537	9.496	8.655	-0.163218
4501	1.390	-1.800	-0.152086	-11.672	2.645	-13.031	-0.057833
		-0.650034	0.107669	6.224	7.353	14.783	-0.002990
4502	0	-1.748	-0.000246	-10.360	2.453	-9.997	0.016927
		-0.716722	0.061996	5.044	6.818	20.899	-0.080806
4502	1.390	-1.748	-0.000246	-10.360	2.453	-24.397	0.016584
		-0.716722	0.061996	5.044	6.818	27.910	0.005366

4503	0	-1.753	0.033041	-7.930	2.055	-21.819	0.020641
		-0.776731	0.036214	2.824	5.681	33.428	-0.064623
4503	1.390	-1.753	0.033041	-7.930	2.055	-32.842	0.066566
		-0.776731	0.036214	2.824	5.681	37.354	-0.014287
4504	0	-1.768	0.020327	-5.012	1.334	-30.961	0.051756
		-0.815408	0.020609	-0.080328	3.929	41.831	-0.058998
4504	1.390	-1.768	0.020327	-5.012	1.334	-37.927	0.080009
		-0.815408	0.020609	-0.080328	3.929	41.720	-0.030354
4505	0	-1.773	0.001886	-1.685	0.472507	-36.917	0.073935
		-0.832678	0.008223	-3.180	1.521	44.699	-0.050122
4505	1.390	-1.773	0.001886	-1.685	0.472507	-39.259	0.076556
		-0.846000	0.008985	3.019	1.373	44.674	-0.037592
4506	0	-1.764	-0.014090	1.774	-0.465725	-39.224	0.086681
		-0.850460	-0.007224	3.484	-0.998353	44.003	-0.042973
4506	1.390	-1.764	-0.014090	1.774	-0.465725	-36.758	0.067096
		-0.850460	-0.007224	3.484	-0.998353	48.845	-0.053014
4507	0	-1.740	-0.031555	5.290	-1.269	-37.727	0.095875
		-0.831919	-0.022565	0.505939	-4.236	45.600	-0.031659
4507	1.390	-1.740	-0.031555	5.290	-1.269	-30.374	0.052015
		-0.831919	-0.022565	0.505939	-4.236	46.303	-0.063024
4508	0	-1.695	-0.055685	8.220	-2.000	-32.274	0.104798
		-0.787434	-0.042942	-2.585	-6.636	41.043	-0.011460
4508	1.390	-1.695	-0.055685	8.220	-2.000	-20.849	0.027398
		-0.787434	-0.042942	-2.585	-6.636	37.450	-0.071147
4509	0	-1.618	-0.083184	10.262	-2.562	-23.500	0.114180
		-0.714483	-0.076924	-4.986	-8.185	30.765	0.013955
4509	1.390	-1.618	-0.083184	10.262	-2.562	-9.236	-0.001442
		-0.714483	-0.076924	-4.986	-8.185	23.834	-0.092965
4510	0	-1.491	-0.081638	11.281	-2.855	-12.372	0.137665
		-0.626083	-0.133304	-6.274	-8.917	16.316	0.009438
4510	1.390	-1.209	0.049852	-0.080568	0.119357	-0.064976	0.177102
		-0.556055	-0.113668	0.766729	-8.048	7.976	-0.161331
5101	0	0.119974	-0.026717	0.005763	0.000323	-0.082081	0.046967
		0.258476	-0.128860	3.303	-9.271	7.597	0.136144
5101	1.270	0.258559	-0.108308	-4.380	-1.804	-2.513	0.032241
		0.918584	-1.106	116.073	-7.621	149.722	-0.265386
5102	0	0.953105	-0.097553	-0.535365	-0.374231	-0.575509	0.076648
		0.696831	-0.460030	112.446	-8.358	152.806	0.027591
5102	1.270	0.953105	-0.097553	-0.535365	-0.374231	-1.255	-0.047239
		0.696831	-0.460030	112.446	-8.358	295.607	-0.556624
5103	0	0.827647	-0.108258	-0.296316	-0.355762	-1.003	0.091557
		0.530911	-0.205022	107.072	-13.019	298.270	-0.336361
5103	1.270	0.827647	-0.108258	-0.296316	-0.355762	-1.379	-0.045925
		0.530911	-0.205022	107.072	-13.019	434.246	-0.596729
5104	0	0.716067	-0.099939	-0.146111	-0.321931	-1.147	0.081569
		0.423068	-0.118014	50.953	-4.067	436.015	-0.465995
5104	1.270	0.716067	-0.099939	-0.146111	-0.321931	-1.332	-0.045349
		0.423068	-0.118014	50.953	-4.067	500.722	-0.615866
5105	0	0.610632	-0.095463	-0.053192	-0.288017	-1.120	0.076110
		0.337075	-0.062120	-4.769	1.644	501.236	-0.516772
5105	1.270	0.610632	-0.095463	-0.053192	-0.288017	-1.188	-0.045122
		0.337075	-0.062120	-4.769	1.644	495.179	-0.595660
5106	0	0.507025	-0.094817	0.000717	-0.258427	-0.993719	0.073715
		0.254904	-0.014933	-62.305	10.447	494.487	-0.500253
5106	1.270	0.507025	-0.094817	0.000717	-0.258427	-0.992809	-0.046698
		0.150301	-0.056146	39.420	-9.848	435.405	-0.497268
5107	0	0.404042	-0.094213	0.030167	-0.234390	-0.814028	0.071065
		0.120805	-0.008519	-16.879	-0.943092	435.933	-0.465362
5107	1.270	0.404042	-0.094213	0.030167	-0.234390	-0.775717	-0.048580
		0.120805	-0.008519	-16.879	-0.943092	414.497	-0.476180
5108	0	0.301930	-0.091840	0.044052	-0.215247	-0.608832	0.068354
		0.083002	0.045924	-70.611	4.772	413.712	-0.432454
5108	1.270	0.301930	-0.091840	0.044052	-0.215247	-0.552889	-0.048278
		0.083002	0.045924	-70.611	4.772	324.040	-0.374134
5109	0	-0.022184	-0.001271	0.065220	3.540	-0.916787	0.000247
		0.033816	0.082128	-123.766	13.315	321.904	-0.313787
5109	1.270	-0.022184	-0.001271	0.065220	3.540	-0.833960	-0.001366
		0.033816	0.082128	-123.766	13.315	164.729	-0.209489

5110	0	-0.024635	-0.002538	5.452	3.160	-3.701	0.001308
		-0.023181	0.058186	-124.705	6.897	161.679	-0.135467
5110	1.270	0.104604	-0.120273	0.024373	-0.158301	-0.151621	-0.087200
		-0.067049	-0.002109	1.351	6.390	7.168	-0.008910
5201	0	-0.249062	0.397040	159.018	3.555	-10.980	-0.651195
		0.218315	0.364888	0.010766	-0.013332	0.103887	-0.539885
5201	1.270	0.111985	-0.035012	0.008842	0.000275	-0.091570	0.035845
		0.070235	0.733944	198.851	1.233	246.162	-0.674922
5202	0	0.115070	-0.025812	0.008644	0.000216	-0.091425	0.032499
		0.186128	-0.061783	69.026	1.011	241.674	-0.054102
5202	1.270	0.115070	-0.025812	0.008644	0.000216	-0.080447	-0.000281
		-0.085352	-0.105679	167.961	3.127	395.394	-0.005277
5203	0	0.118875	-0.013850	0.008405	0.000122	-0.080376	0.009923
		0.025811	-0.206333	183.321	1.682	387.796	0.220825
5203	1.270	0.118875	-0.013850	0.008405	0.000122	-0.069703	-0.007666
		0.025811	-0.206333	183.321	1.682	620.604	-0.041208
5204	0	0.121344	-0.005551	0.008190	3.61E-05	-0.069681	0.001029
		0.055839	-0.183160	73.159	1.251	615.532	0.170471
5204	1.270	0.121344	-0.005551	0.008190	3.61E-05	-0.059280	-0.006020
		0.055839	-0.183160	73.159	1.251	708.440	-0.062132
5205	0	0.122269	-0.001315	0.008022	-3.53E-05	-0.059292	-0.001331
		0.049052	-0.170712	-35.956	-0.186330	706.839	0.147043
5205	1.270	0.122269	-0.001315	0.008022	-3.53E-05	-0.049105	-0.003001
		0.049052	-0.170712	-35.956	-0.186330	661.176	-0.069752
5206	0	0.122269	0.000603	0.007898	-9.21E-05	-0.049139	-0.001451
		0.029308	-0.175036	-143.178	-0.666372	663.001	0.143016
5206	1.270	0.122269	0.000603	0.007898	-9.21E-05	-0.039110	-0.000685
		-0.008227	-0.061292	124.418	-0.383213	618.818	-0.015025
5207	0	0.121446	0.001576	0.007814	-0.000135	-0.039158	-0.001097
		-0.028896	-0.077323	14.622	-0.776220	618.406	0.078688
5207	1.270	0.121446	0.001576	0.007814	-0.000135	-0.029235	0.000904
		-0.028896	-0.077323	14.622	-0.776220	636.975	-0.019508
5208	0	0.120007	0.002137	0.007760	-0.000165	-0.029294	-0.000630
		-0.048846	-0.104224	-98.709	-2.049	640.059	0.091329
5208	1.270	0.032290	-0.010978	-0.001111	0.003864	-0.023361	-0.004985
		-0.048846	-0.104224	-98.709	-2.049	514.704	-0.041030
5209	0	0.118361	0.002149	0.007732	-0.000181	-0.019504	3.61E-05
		-0.063037	-0.129087	-215.278	-2.145	521.253	0.087373
5209	1.270	0.028408	-0.011699	0.002386	0.002795	-0.014750	-0.007007
		-0.032624	-0.046057	-67.745	-0.591021	248.770	-0.021934
5210	0	0.116202	0.001179	0.007734	-0.000165	-0.009753	0.000694
		-0.067356	-0.123170	-209.708	-2.731	256.738	0.054878
5210	1.270	-0.067356	-0.123170	-209.708	-2.731	-9.580	-0.101540
		0.071803	-0.249723	-0.189138	-0.230601	0.019437	-0.211119
5301	0	-0.531133	0.012106	158.516	1.268	-11.548	-0.027996
		-0.034655	0.238372	55.487	9.678	0.527981	-1.116
5301	1.270	0.103347	0.146867	-0.319148	-0.110157	-0.271315	-0.262067
		-0.464292	0.004131	192.694	-0.220014	238.553	-0.060974
5302	0	0.128490	-0.241134	-0.058051	-0.057170	-0.252063	0.207556
		-0.376472	-0.003623	67.483	0.426185	234.235	-0.014801
5302	1.270	0.128490	-0.241134	-0.058051	-0.057170	-0.325786	-0.098672
		-0.431591	0.004579	167.158	1.053	392.720	0.000130
5303	0	0.118361	-0.349146	0.094837	-0.057440	-0.319597	0.317948
		-0.339967	-0.002352	182.092	0.123504	384.738	0.004290
5303	1.270	0.088642	-0.015680	-0.032301	-0.011848	-0.219199	-0.003142
		-0.339967	-0.002352	182.092	0.123504	615.986	0.001303
5304	0	0.095172	-0.339649	0.149630	-0.075683	-0.207045	0.281509
		-0.271892	-0.006058	73.883	0.391322	610.589	0.007472
5304	1.270	0.062446	-0.017599	-0.002601	-0.011775	-0.204954	-0.006314
		-0.271892	-0.006058	73.883	0.391322	704.416	-0.000221
5305	0	0.046609	-0.017376	0.012637	-0.011163	-0.190775	0.014183
		-0.223766	-0.007682	-33.042	0.109382	702.559	0.008149
5305	1.270	0.046609	-0.017376	0.012637	-0.011163	-0.174727	-0.007883
		-0.223766	-0.007682	-33.042	0.109382	660.598	-0.001608
5306	0	0.037226	-0.017103	0.019111	-0.010559	-0.163327	0.013058
		-0.189831	-0.009101	-139.213	0.368483	662.301	0.008705
5306	1.270	0.037226	-0.017103	0.019111	-0.010559	-0.139057	-0.008663
		-0.122063	-0.007501	119.066	-0.628251	614.997	-0.002879

5307	0	0.031493	-0.017098	0.020934	-0.010063	-0.129741	0.012325
		-0.106638	-0.008178	10.897	-0.360460	615.121	0.006150
5307	1.270	0.031493	-0.017098	0.020934	-0.010063	-0.103156	-0.009388
		-0.106638	-0.008178	10.897	-0.360460	628.959	-0.004235
5308	0	0.027739	-0.017248	0.020761	-0.009667	-0.095321	0.011415
		-0.095018	-0.008161	-99.441	-0.615826	632.579	0.005230
5308	1.270	0.027739	-0.017248	0.020761	-0.009667	-0.068956	-0.010490
		-0.095018	-0.008161	-99.441	-0.615826	506.294	-0.005134
5309	0	0.025143	-0.017049	0.020009	-0.009234	-0.062097	0.009618
		-0.085866	-0.007652	-212.989	-0.267892	513.295	0.003946
5309	1.270	0.025143	-0.017049	0.020009	-0.009234	-0.036687	-0.012033
		-0.085866	-0.007652	-212.989	-0.267892	242.810	-0.005772
5310	0	0.023369	-0.015465	0.019082	-0.007897	-0.030369	0.006047
		-0.079182	-0.006314	-206.303	-0.920529	252.058	0.002166
5310	1.270	-0.079182	-0.006314	-206.303	-0.920529	-9.936	-0.005853
		-0.079490	-0.109017	-86.879	-10.984	1.191	-0.095985
5401	0	-0.155278	0.117887	52.895	8.632	-2.857	-0.138064
		-0.321662	0.130524	12.288	6.038	3.305	-0.399246
5401	1.270	-0.513703	-0.616822	-0.295737	-0.120862	-0.240157	-0.104135
		-0.230038	0.318826	93.763	13.639	116.305	-0.032966
5402	0	-0.474112	-0.411097	-0.208078	-0.121276	-0.206303	0.335496
		-0.215230	0.184176	89.390	13.075	114.694	-0.161026
5402	1.270	-0.474112	-0.411097	-0.208078	-0.121276	-0.470551	-0.186577
		-0.215230	0.184176	89.390	13.075	228.216	0.072868
5403	0	-0.434265	-0.315506	-0.126385	-0.121196	-0.439612	0.232689
		-0.194149	0.101981	81.202	13.873	226.903	-0.057875
5403	1.270	-0.434265	-0.315506	-0.126385	-0.121196	-0.600115	-0.167988
		-0.194149	0.101981	81.202	13.873	330.025	0.071636
5404	0	-0.379096	-0.282695	-0.051076	-0.118214	-0.574534	0.213382
		-0.174611	0.060494	39.387	6.098	328.994	-0.025677
5404	1.270	-0.379096	-0.282695	-0.051076	-0.118214	-0.639397	-0.145625
		-0.174611	0.060494	39.387	6.098	379.014	0.051148
5405	0	-0.316059	-0.269025	0.012128	-0.115131	-0.621067	0.206398
		-0.159186	0.038354	-3.507	-0.127809	378.215	-0.014456
5405	1.270	-0.316059	-0.269025	0.012128	-0.115131	-0.605666	-0.135250
		-0.159186	0.038354	-3.507	-0.127809	373.762	0.034252
5406	0	-0.250605	-0.261692	0.059708	-0.113354	-0.595529	0.198501
		-0.147772	0.024811	-45.851	-8.152	373.301	-0.008375
5406	1.270	-0.250605	-0.261692	0.059708	-0.113354	-0.519703	-0.133833
		-0.096046	0.013553	28.448	5.218	329.818	0.012121
5407	0	-0.184226	-0.257965	0.091581	-0.113003	-0.517681	0.188959
		-0.090493	0.008688	-13.397	-2.560	330.919	-0.003160
5407	1.270	-0.184226	-0.257965	0.091581	-0.113003	-0.401378	-0.138643
		-0.090493	0.008688	-13.397	-2.560	313.905	0.007874
5408	0	-0.118259	-0.258106	0.110329	-0.113439	-0.406493	0.176201
		-0.085455	0.006386	-55.198	-8.328	315.087	-0.002047
5408	1.270	-0.118259	-0.258106	0.110329	-0.113439	-0.266381	-0.151579
		-0.085455	0.006386	-55.198	-8.328	244.988	0.006063
5409	0	-0.056096	-0.257752	0.119391	-0.112574	-0.277004	0.152044
		-0.080827	0.004508	-95.048	-15.148	246.074	-0.000586
5409	1.270	-0.056096	-0.257752	0.119391	-0.112574	-0.125383	-0.175287
		-0.080827	0.004508	-95.048	-15.148	125.368	0.005139
5410	0	-0.005039	-0.244273	0.121956	-0.099154	-0.139481	0.102118
		-0.076817	0.000991	-100.335	-11.521	126.389	0.001032
5410	1.270	-0.118876	-0.002373	-69.396	-9.146	-2.372	0.000849
		-0.090699	-0.082172	-7.362	-4.513	3.387	-0.070080
5501	0	0.122550	0.036920	0.005787	-0.000403	-0.082187	-0.050676
		0.160935	0.058432	-1.835	8.160	7.051	-0.085124
5501	1.270	-0.718765	-0.231511	-10.330	1.524	-11.135	-0.092456
		0.100615	0.049901	2.181	6.537	7.906	0.000956
5502	0	-0.607099	-0.072740	-9.194	1.431	-9.287	0.046671
		0.056581	0.040700	1.402	6.021	12.911	-0.048887
5502	1.270	-0.607099	-0.072740	-9.194	1.431	-20.963	-0.045706
		0.056581	0.040700	1.402	6.021	14.691	0.002800
5503	0	-0.543955	-0.024429	-7.097	1.220	-19.399	0.035425
		0.017115	0.030681	-0.032998	4.943	19.171	-0.042307
5503	1.270	-0.543955	-0.024429	-7.097	1.220	-28.412	0.004401

		0.017115	0.030681	-0.032998	4.943	19.129	-0.003344
5504	0	-0.497512	-0.028497	-4.574	0.762951	-27.280	0.060327
		-0.012878	0.022942	-1.862	3.303	22.715	-0.037808
5504	1.270	-0.497512	-0.028497	-4.574	0.762951	-33.088	0.024138
		-0.012878	0.022942	-1.862	3.303	20.351	-0.008673
5505	0	-0.449905	-0.043042	-1.668	0.209466	-32.494	0.078703
		-0.033732	0.018001	-3.722	1.077	22.679	-0.032743
5505	1.270	-0.449905	-0.043042	-1.668	0.209466	-34.613	0.024042
		-0.052260	0.023338	2.077	1.350	18.789	-0.002086
5506	0	-0.395899	-0.054899	1.423	-0.386539	-34.628	0.085312
		-0.047691	0.014659	-4.929	-1.667	18.680	-0.025721
5506	1.270	-0.395899	-0.054899	1.423	-0.386539	-32.820	0.015594
		-0.076355	0.014809	3.839	-0.592023	23.187	-0.011308
5507	0	-0.336743	-0.061938	4.632	-0.854083	-33.467	0.083030
		-0.092473	0.011746	2.294	-3.508	20.626	-0.029911
5507	1.270	-0.336743	-0.061938	4.632	-0.854083	-27.584	0.004372
		-0.092473	0.011746	2.294	-3.508	23.540	-0.014994
5508	0	-0.275011	-0.064350	7.381	-1.277	-28.822	0.074714
		-0.102942	0.011415	0.461086	-5.679	19.317	-0.027003
5508	1.270	-0.275011	-0.064350	7.381	-1.277	-19.449	-0.007007
		-0.102942	0.011415	0.461086	-5.679	19.902	-0.012507
5509	0	-0.213860	-0.065388	9.370	-1.583	-21.170	0.063318
		-0.109755	0.011199	-0.851439	-6.874	14.476	-0.019857
5509	1.270	-0.213860	-0.065388	9.370	-1.583	-9.271	-0.019722
		-0.109755	0.011199	-0.851439	-6.874	13.395	-0.005634
5510	0	-0.156947	-0.076704	10.594	-1.542	-11.307	0.047755
		-0.113577	0.007492	-0.689478	-6.327	7.248	-0.009063
5510	1.270	-0.064308	-0.003388	-0.002125	0.000191	-0.000112	-0.002173
		-0.072616	0.003151	5.304	-5.633	6.524	0.001234
11201	0	-124.286	0.332803	0.962496	-1.481	-0.820357	7.099
		1.469	0.366061	-0.219573	1.804	0.181737	15.172
11201	0.825	-86.399	0.203807	0.858341	-1.250	-0.050607	3.540
		-0.003237	-0.004632	0.057984	-0.061559	0.001460	-0.003736

11202	0	0.011546	-0.001709	0.097061	-0.111488	-0.080909	-4.26E-06
		-120.407	0.234458	-1.295	2.116	1.132	4.705
11202	0.825	1.120	0.334700	0.088267	-1.445	-0.001779	4.426
		-120.407	0.234458	-1.295	2.116	0.063987	4.899
11203	0	-0.969839	0.337939	-124.246	7.378	-0.000745	1.491
		-0.052916	0.009058	2.772	0.075839	1.66E-05	0.082227
11203	0.300	-0.969839	0.337939	-124.246	7.378	-37.273	1.582
		-0.052916	0.009058	2.772	0.075839	0.831721	0.084944
11204	0	-0.648108	-0.370246	-149.986	-29.690	-0.000900	-1.855
		-0.218616	-0.006757	2.711	-1.663	1.63E-05	-0.380593
11204	0.300	-0.648108	-0.370246	-149.986	-29.690	-44.995	-1.967
		-0.218616	-0.006757	2.711	-1.663	0.813333	-0.382620
11205	0	0.184053	0.035105	-1.02E-14	-0.000103	-1.23E-13	-0.019405
		1.624	0.558423	2.87E-11	3.092	3.45E-16	0.147206
11205	0.600	0.184053	0.035105	-1.02E-14	-0.000103	-6.13E-15	0.001657
		1.624	0.558423	2.87E-11	3.092	1.72E-11	0.482246
11208	0	-307.892	86.592	14.873	-5.154	-89.045	-359.331
		-402.901	104.720	-19.552	11.195	121.240	-438.188
11208	4.500	-121.920	4.903	0.927199	-1.174	-31.307	10.479
		-149.528	-2.480	0.600773	1.582	44.476	4.416
11209	0	-102.364	-2.269	-0.514000	0.674576	-29.544	-5.504
		-122.020	4.529	2.957	-0.230043	31.548	-31.782
11209	4.500	-102.364	-2.269	-0.514000	0.674576	-31.857	-15.714
		-122.020	4.529	2.957	-0.230043	44.852	-11.402
11210	0	-349.318	27.460	4.728	1.875	-44.995	-99.813
		-449.941	35.329	-3.439	-0.140840	55.409	-128.394
11210	4.500	-147.884	14.103	1.880	0.344421	-28.515	44.740
		-190.673	17.373	-1.723	-0.286529	41.217	55.513
11211	0	-122.691	-12.892	1.497	-0.169744	-35.929	9.467
		-158.041	-15.880	-1.357	0.290988	48.536	11.038
11211	4.500	85.700	-5.974	-1.128	0.997816	-34.222	-89.829
		111.072	-8.069	-0.204028	1.114	43.757	-115.890
11259	0	0.024039	-0.053804	0.262673	-0.252399	-0.529925	0.254083
		1.786	-1.273	-38.329	-1.040	87.159	-1.539

11259	4.000	1.786	-1.273	-38.329	-1.040	-66.151	-6.629
		0.024039	-0.053804	0.262673	-0.252399	0.520724	0.038875
11260	0	0.645735	-0.621374	-3.292	-2.821	-0.807106	-0.194874
		3.237	-0.673704	-310.045	21.998	235.134	-2.410
11260	2.000	4.035	-2.680	-636.879	20.567	-1073.715	-11.591
		0	0	0	0	0	0
11261	0	3.413	0.411959	270.011	-22.195	-299.835	-2.754
		7.373	-1.621	-56.831	-23.831	397.197	4.823
11261	2.000	-0.004546	0.345666	-0.029185	2.931	-0.003168	0.418566
		7.373	-1.621	-56.831	-23.831	283.539	1.581
11270	0	-420.299	2.555	3.976	19.619	-89.994	-1064.227
		-540.014	2.899	-3.552	-3.645	129.756	-1371.745
11270	0.200	-420.299	2.555	3.976	19.619	-89.199	-1063.716
		-540.014	2.899	-3.552	-3.645	129.046	-1371.165
11271	0	-12.919	-0.355153	19.804	1.846	-127.005	-7.650
		0	0	0	0	0	0
11271	4.924	-12.919	-0.355153	19.804	1.846	-29.488	-9.399
		-138.576	-1.493	45.919	2.585	107.549	-15.942
11272	0	-143.665	1.153	46.613	-2.721	-111.901	9.391
		-158.438	-3.503	8.273	-2.712	66.409	18.549
11272	4.924	-0.744399	0.216046	-0.207056	0.328311	-0.181438	0.856892
		-143.665	1.153	46.613	-2.721	117.632	15.070
11273	0	0.955662	-0.011800	0.190956	-0.231737	-1.039	-1.291
		-88.089	-0.085062	-51.338	3.545	132.789	7.391
11273	6.021	-88.089	-0.085062	-51.338	3.545	-176.295	6.879
		0.955662	-0.011800	0.190956	-0.231737	0.110661	-1.362
11274	0	0	0	0	0	0	0
		-142.887	-0.014711	-70.757	-3.441	259.129	-10.698
11274	6.021	-92.716	0.069786	-53.580	-3.521	-176.489	-7.329
		-0.006652	0.142397	0.000394	0.466182	0.006986	1.658
11281	0	0.259893	-0.091221	0.008013	0.013734	-0.355749	-0.018361
		-15.602	-0.253640	-161.204	13.828	73.184	1.717
11281	2.310	-15.602	-0.253640	-161.204	13.828	-299.128	1.131
		0.235760	0.393223	2.718	0.874010	8.733	0.230417
11282	0	-36.826	2.097	-462.661	-138.381	-290.006	-8.418
		-10.986	-0.360675	-142.818	12.830	71.915	1.743
11282	0.301	-40.649	-0.651230	-510.382	46.813	-435.849	-1.425
		-10.986	-0.360675	-142.818	12.830	28.946	1.634
11283	0	77.198	-7.896	-10.052	-9.219	-30.742	6.270
		107.658	6.772	-76.587	4.798	22.995	-6.293
11283	2.000	107.658	6.772	-76.587	4.798	-130.174	7.250
		-7.741	-0.734105	14.556	-0.462148	23.684	-1.182
11284	0	37.405	3.405	20.799	1.157	-28.167	-3.140
		-9.209	1.523	-34.125	0.987584	44.058	-2.009
11284	2.000	-9.209	1.523	-34.125	0.987584	-24.188	1.037
		16.990	-3.931	18.574	-4.173	19.371	-2.786
11285	0	-4.406	-1.288	57.474	17.194	-15.265	-1.131
		0.157531	-0.513322	5.054	1.728	34.368	0.645647
11285	0.301	-0.532917	-0.221582	6.659	1.988	-0.228256	-0.160536
		-6.978	0.310118	92.375	-8.982	52.507	2.024
11286	0	-0.553687	-0.263777	6.053	1.831	-6.831	0.018478
		1.332	-0.081844	-11.440	-3.474	28.541	0.771546
11286	2.310	0.681410	0.087954	-0.811034	0.341099	-0.435457	0.724610
		-0.197418	-0.284676	2.439	0.732264	9.177	-0.547363
11301	0	-129.030	0.324219	1.169	-1.772	-1.031	6.310
		1.543	0.421788	-0.200178	1.801	0.167200	14.516
11301	0.825	-89.829	0.150265	1.157	-1.413	-0.072097	2.646
		1.543	0.421788	-0.200178	1.801	0.002059	14.664
11302	0	1.175	0.329290	0.137052	-1.748	-0.114072	3.820
		-128.457	0.290841	-1.860	2.388	1.615	3.171
11302	0.825	0.062310	-0.002221	0.063352	-0.139177	-0.001671	0.309551
		-128.457	0.290841	-1.860	2.388	0.080512	3.411
11303	0	-1.256	0.332886	-129.037	6.584	-0.000774	1.772
		-0.068207	0.011364	2.291	0.253459	1.37E-05	0.105271
11303	0.300	-1.256	0.332886	-129.037	6.584	-38.710	1.872
		-0.068207	0.011364	2.291	0.253459	0.687236	0.108680
11304	0	-0.864041	-0.427365	-153.426	-28.363	-0.000921	-1.874
		0.137933	-0.332886	1.145	-4.097	6.87E-06	1.748

.							
11304	0.300	-0.864041	-0.427365	-153.426	-28.363	-46.027	-2.002
		0.137933	-0.332886	1.145	-4.097	0.343467	1.648
.							
.							
11305	0	2.970	0.479234	-2.88E-11	2.802	-3.46E-16	0.204981
		0.359197	0.034887	1.11E-14	-5.91E-05	1.33E-19	-0.025096
.							
11305	0.600	2.970	0.479234	-2.88E-11	2.802	-1.73E-11	0.492511
		0.359197	0.034887	1.11E-14	-5.91E-05	6.65E-15	-0.004165
.							
.							
11308	0	-306.966	88.150	14.864	-5.013	-37.594	-365.109
		-401.892	106.159	-19.940	8.533	120.626	-443.162
.							
11308	4.500	-124.096	7.993	1.636	-1.144	-29.156	13.784
		-151.541	0.278671	0.093012	1.529	43.180	7.382
.							
.							
11309	0	-104.739	-5.104	0.257302	0.669836	-30.850	4.127
		-124.274	1.993	2.446	-0.376633	32.732	-23.166
.							
11309	4.500	-104.739	-5.104	0.257302	0.669836	-29.692	-18.839
		-124.274	1.993	2.446	-0.376633	43.741	-14.197
.							
.							
11310	0	-349.348	27.475	5.024	1.788	-42.911	-99.938
		-449.082	35.425	-4.544	-1.081	56.628	-128.428
.							
11310	4.500	-147.598	14.313	2.312	0.345786	-24.758	45.344
		-190.447	17.576	-1.985	-0.345723	40.002	56.117
.							
.							
11311	0	-122.396	-13.096	1.944	-0.176134	-34.157	9.768
		-157.926	-16.068	-1.525	0.244504	47.592	11.325
.							
11311	4.500	85.971	-5.952	-0.605591	0.939267	-30.378	-89.952
		110.268	-7.972	0.512972	0.153871	44.046	-115.590
.							
.							
11359	0	0.026897	-0.256668	0.236857	-1.156	-0.479669	0.453424
		1.760	-1.112	-38.375	-0.339972	87.268	-1.806
.							
11359	4.000	1.760	-1.112	-38.375	-0.339972	-66.228	-6.254
		6.787	0.046461	-0.539867	0.030187	0.742757	2.739
.							
.							
11360	0	0.588613	-1.451	-3.036	-0.173223	-0.753166	-2.922
		3.240	-0.712190	-309.986	21.234	235.155	-2.197
.							
11360	2.000	3.837	-1.812	-636.076	20.524	-1071.883	-8.048
		0	0	0	0	0	0
.							
.							
11361	0	3.436	0.549354	270.033	-21.354	-299.884	-2.990
		7.576	-0.580382	-56.062	-22.300	395.408	1.187
.							
11361	2.000	0	0	0	0	0	0
		7.576	-0.580382	-56.062	-22.300	283.288	0.026195

.							
.							
11370	0	-420.051	2.469	5.172	18.765	-79.064	-1065.483
		-540.043	3.435	-4.128	-12.576	124.527	-1366.748
.							
11370	0.200	-420.051	2.469	5.172	18.765	-78.030	-1064.989
		-540.043	3.435	-4.128	-12.576	123.701	-1366.061
.							
.							
11371	0	-13.044	-0.680560	19.885	1.137	-127.105	-8.395
		0	0	0	0	0	0
.							
11371	4.924	-13.044	-0.680560	19.885	1.137	-29.189	-11.747
		-138.243	-1.485	45.747	2.522	107.154	-15.858
.							
.							
11372	0	-143.364	1.124	46.423	-2.723	-111.399	9.241
		-150.911	11.448	4.888	11.451	67.579	-49.587
.							
11372	4.924	-0.693024	0.425117	-0.191245	1.126	-0.160856	3.823
		-143.364	1.124	46.423	-2.723	117.199	14.778
.							
.							
11373	0	0.883631	0.372899	0.179346	0.274148	-0.971430	-3.980
		-88.147	-0.120699	-51.322	3.457	132.779	7.391
.							
11373	6.021	-88.147	-0.120699	-51.322	3.457	-176.210	6.664
		0.883631	0.372899	0.179346	0.274148	0.108330	-1.735
.							
.							
11374	0	0	0	0	0	0	0
		-142.628	-0.189570	-70.716	-3.458	258.915	-8.077
.							
11374	6.021	-92.753	0.085659	-53.561	-3.443	-176.404	-6.979
		0	0	0	0	0	0
.							
.							
11381	0	0.237264	0.021083	0.009111	0.034149	-0.343678	-0.506085
		-15.700	-0.297779	-161.378	13.920	72.231	2.119
.							
11381	2.310	-14.731	1.067	-151.211	-45.973	-306.006	-5.444
		0.182224	-0.125880	2.235	-0.712203	5.537	-0.144783
.							
.							
11382	0	-36.683	2.523	-457.923	-137.014	-301.030	-6.311
		-11.042	-0.422490	-143.422	13.000	70.546	1.849
.							
11382	0.301	-36.683	2.523	-457.923	-137.014	-438.804	-5.552
		-11.042	-0.422490	-143.422	13.000	27.395	1.722
.							
.							
11383	0	80.353	-7.403	-3.708	-8.142	-39.154	6.338
		107.790	6.259	-75.974	5.232	22.242	-5.473
.							
11383	2.000	107.790	6.259	-75.974	5.232	-129.700	7.045
		-7.279	-0.719323	14.256	-0.399363	23.159	-1.137
.							
.							
11384	0	37.360	2.970	20.851	1.645	-28.124	-3.049

		-8.781	1.447	-33.596	0.961472	43.325	-1.933
.							
11384	2.000	-8.781	1.447	-33.596	0.961472	-23.866	0.959844
		16.975	-3.726	23.055	-3.252	24.350	-2.963
.							
.							
11385	0	-4.760	-1.714	61.933	18.473	-34.650	-1.140
		-0.165910	-0.639836	11.608	3.611	40.362	-1.238
.							
11385	0.301	-4.760	-1.714	61.933	18.473	-16.017	-1.656
		-7.041	0.388945	93.291	-9.251	51.677	1.935
.							
.							
11386	0	-1.328	-0.421530	14.372	4.345	-25.042	-0.198310
		1.529	-0.009680	-12.574	-3.823	33.360	0.453292
.							
11386	2.310	0.781737	0.100211	-1.027	0.362741	-0.363436	0.415641
		-1.100	-0.436954	12.160	3.675	11.246	-1.163
.							
.							
11401	0	-137.459	0.340934	1.707	-2.353	-1.470	4.862
		1.590	0.415982	-0.212231	1.481	0.176244	15.156
.							
11401	0.825	-94.648	0.170273	1.664	-1.947	-0.087941	1.000
		1.078	0.270998	-0.117322	1.767	0.001219	3.228
.							
.							
11402	0	1.210	0.343680	0.111866	-2.274	-0.093971	3.127
		-120.407	0.275495	-1.298	1.779	1.137	4.733
.							
11402	0.825	1.210	0.343680	0.111866	-2.274	-0.001685	3.411
		-120.407	0.275495	-1.298	1.779	0.066607	4.960
.							
.							
11403	0	-1.757	0.347984	-137.537	5.150	-0.000825	2.353
		0.213408	0.425153	1.568	15.507	9.41E-06	-1.481
.							
11403	0.300	-1.757	0.347984	-137.537	5.150	-41.260	2.457
		0.213408	0.425153	1.568	15.507	0.470339	-1.354
.							
.							
11404	0	-0.649908	-0.424716	-149.867	-29.724	-0.000899	-1.539
		-0.218807	-0.010096	2.710	-1.659	1.63E-05	-0.359901
.							
11404	0.300	-0.649908	-0.424716	-149.867	-29.724	-44.959	-1.666
		-0.218807	-0.010096	2.710	-1.659	0.812846	-0.362930
.							
.							
11405	0	2.938	-1.432	-2.04E-12	-14.641	-2.45E-17	0.727945
		2.567	1.337	1.53E-12	1.785	1.84E-17	-0.028541
.							
11405	0.600	2.938	-1.432	-2.04E-12	-14.641	-1.22E-12	-0.131068
		2.567	1.337	1.53E-12	1.785	9.19E-13	0.773527
.							
.							
11408	0	-305.549	91.256	14.308	-5.877	-84.811	-376.344
		-402.752	104.798	-20.484	8.498	122.357	-438.193
.							
11408	4.500	-128.611	14.576	2.654	-1.238	-26.551	20.856
		-149.530	-2.464	0.553686	1.447	44.320	4.448
.							
.							
11409	0	-109.609	-11.260	1.423	0.678849	-33.319	25.083
		-122.045	4.525	3.014	-0.393058	31.474	-31.754
.							
11409	4.500	-109.609	-11.260	1.423	0.678849	-26.917	-25.584
		-122.045	4.525	3.014	-0.393058	45.038	-11.391
.							
.							
11410	0	-348.987	27.568	4.620	0.979806	-38.885	-100.129
		-449.160	35.405	-5.155	-1.970	59.396	-128.366
.							
11410	4.500	-147.141	14.759	2.753	0.315363	-20.719	46.686
		-190.633	17.379	-1.815	-0.380654	41.721	55.546
.							
.							
11411	0	-121.988	-13.530	2.492	-0.236364	-32.364	10.382
		-158.100	-15.877	-1.259	0.193988	48.315	11.042
.							
11411	4.500	85.799	-5.930	0.712022	0.164319	-24.522	-90.113
		110.269	-7.994	1.520	-0.615397	47.548	-115.519
.							
.							
11459	0	0.023122	0.212196	0.219312	0.954491	-0.442671	-0.236049
		1.653	-0.938043	-38.270	0.378620	87.106	-2.080
.							
11459	4.000	1.653	-0.938043	-38.270	0.378620	-65.969	-5.832
		10.604	-0.061863	-0.746714	-0.024003	0.543439	-3.821
.							
.							
11460	0	0.549785	0.933620	-2.868	-2.263	-0.683819	2.795
		3.268	-0.770577	-309.989	20.266	235.206	-1.947
.							
11460	2.000	3.847	-0.935548	-636.090	20.294	-1071.893	-4.397
		0	0	0	0	0	0
.							
.							
11461	0	3.463	0.714490	270.032	-20.302	-299.836	-3.259
		7.584	0.515977	-56.076	-20.532	395.430	-2.582
.							
11461	2.000	0	0	0	0	0	0
		7.584	0.515977	-56.076	-20.532	283.282	-1.550
.							
.							
11470	0	-420.064	2.552	6.510	10.924	-66.915	-1064.557
		-540.043	3.446	-3.542	-20.142	129.338	-1366.600
.							
11470	0.200	-420.064	2.552	6.510	10.924	-65.613	-1064.047
		-540.043	3.446	-3.542	-20.142	129.129	-1365.961
.							
.							
11471	0	-12.938	-1.036	20.117	0.412319	-127.584	-9.108
		0	0	0	0	0	0
.							
11471	4.924	-12.938	-1.036	20.117	0.412319	-28.521	-14.208
		-137.549	-1.419	45.396	2.445	106.350	-15.550
.							
.							

11472	0	-142.749	1.043	46.019	-2.712	-110.335	9.131
		-158.764	-3.887	7.913	-4.064	67.154	16.142
.							
11472	4.924	-0.355933	0.400847	-0.119338	1.074	-0.160354	3.654
		-142.749	1.043	46.019	-2.712	116.274	14.268
.							
.							
11473	0	0.817070	-0.389149	0.163805	-0.478455	-0.898341	2.923
		-88.255	-0.161304	-51.291	3.350	132.752	7.356
.							
11473	6.021	-88.255	-0.161304	-51.291	3.350	-176.050	6.385
		0.817070	-0.389149	0.163805	-0.478455	0.087858	0.580455
.							
.							
11474	0	0	0	0	0	0	0
		-142.670	-0.359154	-70.732	-3.454	259.000	-5.363
.							
11474	6.021	-92.870	0.106228	-53.534	-3.347	-176.251	-6.552
		0	0	0	0	0	0
.							
.							
11481	0	0.220833	-0.120413	0.002807	-0.035608	-0.321832	0.525901
		-15.796	-0.374995	-162.392	14.111	70.963	2.566
.							
11481	2.310	-13.140	-1.871	-135.615	41.004	-304.651	4.087
		0.229110	0.392495	2.719	0.871348	8.720	0.256821
.							
.							
11482	0	-28.758	-4.322	-320.064	95.140	-311.957	6.070
		-11.150	-0.487027	-144.798	13.405	67.762	1.939
.							
11482	0.301	-40.604	-0.907850	-507.710	45.650	-441.079	2.512
		-11.150	-0.487027	-144.798	13.405	24.197	1.793
.							
.							
11483	0	56.836	4.099	5.002	4.708	-35.734	-3.703
		108.285	5.625	-74.517	5.628	20.448	-4.555
.							
11483	2.000	108.285	5.625	-74.517	5.628	-128.581	6.695
		-6.294	-0.647277	13.565	-0.285811	21.971	-1.022
.							
.							
11484	0	37.215	2.462	21.259	2.138	-28.372	-2.878
		-7.875	1.290	-32.536	0.875735	41.827	-1.764
.							
11484	2.000	-7.875	1.290	-32.536	0.875735	-23.243	0.815555
		10.512	1.993	20.681	1.661	22.479	1.558
.							
.							
11485	0	-6.154	2.015	80.231	-23.951	-39.166	1.559
		-0.767554	0.634115	14.755	-4.540	36.284	1.135
.							
11485	0.301	-6.154	2.015	80.231	-23.951	-15.027	2.165
		-7.186	0.459789	95.143	-9.828	49.783	1.810
.							
.							
11486	0	-1.466	0.454574	15.931	-4.819	-26.725	0.244243
		1.224	0.014508	-11.235	3.406	30.693	-0.419572
.							

11486	2.310	0.803909	0.083175	-1.277	0.424594	-0.134018	0.063285
		-1.466	0.454574	15.931	-4.819	10.069	1.294
.							
.							
11501	0	-89.830	0.124457	1.226	-1.747	-1.055	2.499
		1.517	0.388709	-0.201434	1.241	0.166977	15.604
.							
11501	0.825	-129.031	0.285823	1.198	-2.106	-0.050410	6.515
		0.011559	-0.002043	-0.096066	0.112563	0.001295	-0.001658
.							
.							
11502	0	1.126	0.288674	0.140194	-2.057	-0.117203	3.756
		-115.515	0.290749	-1.010	1.505	0.873301	5.504
.							
11502	0.825	-57.864	0.391094	0.094530	-0.715518	-0.002234	34.825
		-115.515	0.290749	-1.010	1.505	0.040338	5.744
.							
.							
11503	0	-1.254	0.292243	-129.057	6.521	-0.000774	2.106
		-0.068180	0.008619	2.280	0.252744	1.37E-05	0.123947
.							
11503	0.300	-1.254	0.292243	-129.057	6.521	-38.716	2.194
		-0.068180	0.008619	2.280	0.252744	0.684011	0.126533
.							
.							
11504	0	-0.532954	-0.398302	-148.330	-30.621	-0.000890	-1.299
		-0.174475	-0.008081	4.285	-1.210	2.57E-05	-0.308071
.							
11504	0.300	-0.532954	-0.398302	-148.330	-30.621	-44.498	-1.419
		-0.174475	-0.008081	4.285	-1.210	1.286	-0.310495
.							
.							
11505	0	2.108	-1.537	-2.05E-12	-15.126	-2.46E-17	0.757610
		1.003	1.179	1.55E-12	2.597	1.86E-17	-0.109064
.							
11505	0.600	2.108	-1.537	-2.05E-12	-15.126	-1.23E-12	-0.164706
		1.003	1.179	1.55E-12	2.597	9.28E-13	0.598545
.							
.							
11508	0	-307.067	88.096	13.931	-7.710	-86.478	-365.116
		-403.316	104.099	-20.799	7.766	123.388	-435.745
.							
11508	4.500	-124.095	7.985	1.586	-1.289	-29.322	13.763
		-148.608	-3.747	0.832321	1.406	45.141	3.080
.							
.							
11509	0	-104.724	-5.104	0.312849	0.511421	-30.319	1.117
		-120.991	5.686	3.356	-0.412650	30.854	-35.689
.							
11509	4.500	-104.724	-5.104	0.312849	0.511421	-29.510	-18.850
		-120.991	5.686	3.356	-0.412650	45.954	-10.102
.							
.							
11510	0	-349.921	27.418	3.305	0.057811	-38.923	-99.956
		-449.547	35.365	-5.546	-2.413	61.400	-128.339
.							
11510	4.500	-147.627	14.308	2.217	0.249218	-24.962	45.325
		-180.769	17.287	-1.669	-0.405053	43.155	55.283
.							

11511	0	-122.355	-13.099	2.042	-0.274032	-34.380	9.766
		-158.201	-15.792	-1.057	0.167595	48.960	10.910
11511	4.500	86.559	-6.009	1.120	-0.792399	-26.588	-90.229
		110.563	-8.051	2.233	-1.146	50.180	-115.673
11559	0	0.027217	0.039696	0.251935	0.187771	-0.510016	-0.125945
		1.742	-0.769910	-38.252	1.217	87.025	-2.488
11559	4.000	1.742	-0.769910	-38.252	1.217	-65.976	-5.567
		0.027217	0.039696	0.251935	0.187771	0.497683	0.032832
11560	0	0.621709	0.343554	-3.181	1.018	-0.795664	0.316071
		3.253	-0.603310	-310.038	21.295	235.134	-1.997
11560	2.000	4.089	0.291239	-637.084	22.117	-1074.193	-0.122400
		0	0	0	0	0	0
11561	0	3.422	0.664367	269.971	-21.240	-299.749	-3.414
		7.326	1.535	-57.080	-20.600	397.732	-6.746
11561	2.000	-0.006035	-0.435271	-0.038089	-3.680	-0.003581	-0.523113
		7.326	1.535	-57.080	-20.600	283.577	-3.676
11570	0	-420.032	2.058	5.180	2.250	-78.998	-1069.239
		-540.144	3.200	-3.068	-25.334	134.178	-1368.719
11570	0.200	-420.032	2.058	5.180	2.250	-77.962	-1068.827
		-540.144	3.200	-3.068	-25.334	133.565	-1368.079
11571	0	-12.820	-1.322	19.955	-0.426491	-127.338	-10.412
		0	0	0	0	0	0
11571	4.924	-12.820	-1.322	19.955	-0.426491	-29.075	-16.921
		-138.237	-1.517	45.756	2.439	107.172	-16.126
11572	0	-143.378	1.090	46.421	-2.805	-111.392	9.132
		-158.647	-4.347	8.106	-4.944	66.797	15.365
11572	4.924	-0.728087	-0.115519	-0.201423	-0.216083	-0.174009	-0.636467
		-143.378	1.090	46.421	-2.805	117.193	14.501
11573	0	0.931292	-0.027728	0.188644	0.059166	-1.019	0.797317
		-88.126	-0.145246	-51.318	3.443	132.759	7.680
11573	6.021	-88.126	-0.145246	-51.318	3.443	-176.206	6.806
		0.931292	-0.027728	0.188644	0.059166	0.116274	0.630380
11574	0	0	0	0	0	0	0
		-142.969	-0.643251	-70.775	-3.674	259.231	-2.492
11574	6.021	-92.769	0.062044	-53.564	-3.452	-176.405	-6.819
		-0.008645	-0.141346	1.89E-05	-0.466160	0.006719	-1.667
11581	0	0.250841	0.013979	0.011998	-0.018226	-0.355990	0.070928
		-15.620	-0.301766	-161.605	13.794	72.319	2.762
11581	2.310	-15.620	-0.301766	-161.605	13.794	-300.918	2.066
		0.375714	0.331259	4.272	1.341	11.637	0.266538
11582	0	-26.217	-3.440	-328.772	97.813	-288.947	7.868
		-11.031	-0.431183	-143.413	12.984	70.577	2.058
11582	0.301	-40.538	-0.734861	-509.468	46.048	-437.688	4.699
		-11.031	-0.431183	-143.413	12.984	27.429	1.929
11583	0	54.250	4.257	1.926	5.516	-31.033	-3.370
		107.923	5.353	-75.806	6.323	22.036	-3.861
11583	2.000	107.923	5.353	-75.806	6.323	-129.570	6.844
		-7.281	-0.766575	14.261	-0.342769	23.166	-1.155
11584	0	37.276	2.067	21.026	2.740	-28.285	-2.859
		-8.796	1.396	-33.607	1.019	43.341	-1.929
11584	2.000	-8.796	1.396	-33.607	1.019	-23.870	0.862699
		10.066	2.154	16.537	2.564	18.204	1.332
11585	0	-5.658	1.496	73.960	-22.129	-16.356	1.582
		-0.442125	0.488445	8.568	-2.775	32.842	-0.698360
11585	0.301	-1.534	0.631536	19.812	-5.911	-0.407886	0.530891
		-7.049	0.390241	93.254	-9.279	51.685	1.698
11586	0	-0.550625	0.279334	6.095	-1.845	-5.422	-0.016968
		1.133	0.062548	-11.080	3.351	28.072	-0.748676
11586	2.310	0.677461	0.100522	-0.990256	0.315588	-0.314676	-0.263688
		-0.550625	0.279334	6.095	-1.845	8.654	0.628173
12201	0	-210.116	0.261194	1.652	2.496	-1.725	-3.156
		-2.194	0.301155	-0.179345	-1.967	0.185640	1.789
12201	1.036	-86.211	0.152454	1.370	0.957975	-0.018279	-2.157
		-0.010527	-0.131571	0.061305	0.235980	0.000700	-0.238032
12202	0	0.015255	-0.001717	0.098801	-0.173662	-0.102724	1.09E-05
		-149.684	0.163972	-1.968	0.172844	2.068	-3.624
12202	1.036	0.006973	-0.043760	0.072593	-1.130	-0.000580	-0.043532
		-149.684	0.163972	-1.968	0.172844	0.028549	-3.454

```
.
.
12203       0 -0.329122  0.351852  -229.547     8.396 -0.001377    -2.265
              0.037369 -0.049177  0.005390 -0.050231  3.23E-08     1.121
.
12203   0.300 -0.329122  0.351852  -229.547     8.396   -68.863    -2.160
              0.037369 -0.049177  0.005390 -0.050231  0.001617     1.106
.
.
12204       0    -1.036 -0.304216  -313.466    -4.046 -0.001881     1.886
              0.099512  0.001728  0.015354  0.001774  9.21E-08  0.173663
.
12204   0.300    -1.036 -0.304216  -313.466    -4.046   -94.038     1.794
              0.099512  0.001728  0.015354  0.001774  0.004606  0.174181
.
.
12205       0  0.222645  0.037838 -1.05E-14 -2.99E-05 -1.27E-19 -0.025520
              0.909462 -0.526265  1.22E-11 -0.065704  1.46E-16  0.897331
.
12205   0.600  0.222645  0.037838 -1.05E-14 -2.99E-05 -6.33E-15 -0.002818
              0.909462 -0.526265  1.22E-11 -0.065704  7.32E-12  0.581585
.
.
12301       0  -199.927  0.252275     1.927     2.095    -2.009    -3.745
                -2.359  0.354660 -0.163545    -2.753  0.169195     1.318
.
12301   1.036   -71.690  0.006482     1.211 -0.195497 -0.023047     6.990
             -0.009124 -0.025774  0.063304 -0.461538  0.000903 -0.026217
.
.
12302       0    -2.137  0.254232  0.104767     2.208 -0.108571    -2.233
              -134.014  0.210528    -2.439 -0.245295     2.564    -5.042
.
12302   1.036 -0.001483 -0.005499  0.049648 -0.099189 -0.000698 -0.007346
              -134.014  0.210528    -2.439 -0.245295  0.037839    -4.824
.
.
12303       0 -0.380674  0.391823  -228.321     8.086 -0.001370    -1.405
              0.021602 -0.006170  0.007713 -0.005769  4.63E-08 -0.099869
.
12303   0.300 -0.380674  0.391823  -228.321     8.086   -68.495    -1.287
              0.021602 -0.006170  0.007713 -0.005769  0.002314 -0.101720
.
.
12304       0    -1.277 -0.357406  -305.051    -3.296 -0.001830     2.651
              0.099715  0.002867  0.013022  0.002902  7.81E-08  0.178444
.
12304   0.300    -1.277 -0.357406  -305.051    -3.296   -91.513     2.544
              0.099715  0.002867  0.013022  0.002902  0.003907  0.179304
.
.
12305       0     1.677 -0.456522 -1.22E-11 -0.146911 -1.47E-16     1.018
              0.433081  0.041401  1.25E-14  2.01E-05  1.51E-19 -0.034831
.
12305   0.600     1.677 -0.456522 -1.22E-11 -0.146911 -7.33E-12  0.744139
              0.433081  0.041401  1.25E-14  2.01E-05  7.53E-15 -0.009991
.
.
12401       0  -182.638  0.260244     2.378  0.711654    -2.496    -4.972
                -2.388  0.356841 -0.175062    -3.885  0.181368     1.660
.
12401   1.036  -182.638  0.260244     2.378  0.711654 -0.032169    -4.703
             -0.032654 -0.074033  0.058884     1.386  0.000994 -0.089533
.
.
12402       0  0.004819 -0.004241  0.096793 -0.173817 -0.100374 -0.001998
              -149.689  0.199517    -1.993    -1.668     2.081    -3.665
.
12402   1.036 -0.015352 -0.003256 -0.100734  0.179076 -0.000448 -0.003301
              -149.689  0.199517    -1.993    -1.668  0.015450    -3.459
.
.
12403       0 -0.476897  0.391374  -225.633     7.685 -0.001354 -0.488333
              0.099834 -0.003293  0.012921 -0.003328  7.75E-08 -0.183673
.
12403   0.300 -0.476897  0.391374  -225.633     7.685   -67.688 -0.370926
              0.099834 -0.003293  0.012921 -0.003328  0.003876 -0.184661
.
.
12404       0    -1.037 -0.358786  -313.438    -4.036 -0.001881     3.701
              0.054618  0.075345  0.010182  0.084975  6.11E-08    -1.317
.
12404   0.300    -1.037 -0.358786  -313.438    -4.036   -94.029     3.593
              0.054618  0.075345  0.010182  0.084975  0.003054    -1.294
.
.
12405       0     1.767     1.498 -1.54E-12    -2.335 -1.85E-17  0.523266
              1.866    -1.150  9.22E-13    -2.459  1.11E-17  0.954254
.
12405   0.600     1.767     1.498 -1.54E-12    -2.335 -9.23E-13     1.422
              1.866    -1.150  9.22E-13    -2.459  5.53E-13  0.264499
.
.
12501       0  -199.923  0.211527     1.892  0.251827    -1.991    -3.700
              -2.251  0.334033 -0.160864    -4.568  0.167175     1.962
.
12501   1.036  -199.923  0.211527     1.892  0.251827 -0.031070    -3.481
             -0.091112  0.011432 -0.013977  0.430257  0.000857     4.692
.
.
12502       0    -2.004  0.210378  0.107803  0.333777 -0.111710    -2.143
              -159.759  0.225878    -1.684    -1.852     1.766    -3.015
.
12502   1.036 -0.385640 -0.067016  0.065766 -0.215672 -0.000427 -0.607072
              -159.759  0.225878    -1.684    -1.852  0.021832    -2.781
.
.
12503       0 -0.379482  0.341723  -228.308     8.148 -0.001370  0.352749
              0.099631 -0.002013  0.015274 -0.002057  9.16E-08 -0.178709
.
12503   0.300 -0.379482  0.341723  -228.308     8.148   -68.491  0.455262
              0.099631 -0.002013  0.015274 -0.002057  0.004582 -0.179313
.
.
12504       0 -0.907347 -0.334504  -317.750    -4.471 -0.001906     4.414
              0.054531  0.035889  0.007615  0.036969  4.57E-08    -1.230
.
12504   0.300 -0.907347 -0.334504  -317.750    -4.471   -95.323     4.314
```

```
                0.054531  0.035889  0.007615  0.036969  0.002284    -1.220
.
.
12505       0     1.427     1.603 -1.56E-12    -2.519 -1.88E-17  0.337530
              0.797223    -1.145  1.02E-12    -1.813  1.22E-17  0.783725
.
12505   0.600     1.427     1.603 -1.56E-12    -2.519 -9.38E-13     1.299
              0.797223    -1.145  1.02E-12    -1.813  6.10E-13  0.096458
.
.
13201       0  -205.368  0.013264     1.687  0.127138    -1.781 -0.771650
              0.486998  0.262204 -0.170005     1.130  0.179708    -8.626
.
13201   1.059 -0.007646 -0.029819  0.094122    -1.472 -0.000868 -0.031342
             -89.019  0.007358     1.450  0.047408  0.014103 -0.619308
.
.
13202       0  0.014515 -0.001724  0.099810 -0.081418 -0.105593  0.000126
             -148.324  0.007793    -2.039  0.112853     2.148 -0.840335
.
13202   1.059   -84.599  0.129762    -1.198     1.929 -0.010897    -8.818
              0.419593  0.125583 -0.008475     1.003  0.000656    -3.348
.
.
13203       0 -0.335912  0.017591  -225.310     5.216 -0.001352 -0.170691
              0.088961  0.129534  0.570387    -4.555  3.42E-06    -1.852
.
13203   0.300 -0.335912  0.017591  -225.310     5.216   -67.592 -0.165414
              0.088961  0.129534  0.570387    -4.555  0.171113    -1.813
.
.
13204       0   -1.041 -0.014722  -306.886    -3.193 -0.001841 -0.023252
              0.051306 -0.223379  0.564778     4.323  3.39E-06    -2.443
.
13204   0.300   -1.041 -0.014722  -306.886    -3.193   -92.064 -0.027669
              0.051306 -0.223379  0.564778     4.323  0.169430    -2.510
.
.
13205       0  0.226932  0.022834 -1.11E-14 -0.000124 -1.33E-19 -0.014559
              0.219181 -0.037924  4.14E-12  0.178629  4.97E-17  0.052501
.
13205   0.600  0.226932  0.022834 -1.11E-14 -0.000124 -6.64E-15 -0.000860
              0.219181 -0.037924  4.14E-12  0.178629  2.49E-12  0.029747
.
.
13301       0 -195.106  0.012515     1.946  0.110257    -2.055 -0.819200
              0.100999  0.017790 -0.155216 -0.084762  0.163775     1.594
.
13301   1.059  0.100999  0.017790 -0.155216 -0.084762 -0.000592     1.613
              -82.058  0.003923     1.712  0.119909  0.012889 -0.604570
.
.
13302       0  0.615022  0.213651  0.101887     2.092 -0.107776    -4.803
             -130.421  0.009992    -2.490  0.024793     2.606 -0.860346
.
13302   1.059 -130.421  0.009992    -2.490  0.024793 -0.030385 -0.849764
              0.125665 -0.078306  0.067265     3.147  0.000620    -1.080
.
.
13303       0 -0.384764  0.019595  -223.786     5.118 -0.001343 -0.082446
              0.063040  0.172549  0.626665    -5.043  3.76E-06 -0.254285
.
13303   0.300 -0.384764  0.019595  -223.786     5.118   -67.134 -0.076568
              0.063040  0.172549  0.626665    -5.043  0.187995 -0.202523
.
.
13304       0    -1.259 -0.017734  -297.619    -3.011 -0.001786  0.081016
              0.101673 -0.212977  0.615252     4.577  3.69E-06    -2.092
.
13304   0.300    -1.259 -0.017734  -297.619    -3.011   -89.284  0.075696
              0.101673 -0.212977  0.615252     4.577  0.184571    -2.156
.
.
13305       0  0.116681 -0.009939 -4.16E-12  0.136323 -5.00E-17  0.051411
              0.440008  0.030052  1.36E-14 -0.000149  1.63E-19 -0.020101
.
13305   0.600  0.116681 -0.009939 -4.16E-12  0.136323 -2.50E-12  0.045448
              0.440008  0.030052  1.36E-14 -0.000149  8.14E-15 -0.002070
.
.
13401       0  -176.217  0.012680     2.365 -0.017025    -2.499 -0.893759
              0.097006  0.018089 -0.168257 -0.198055  0.177983     1.684
.
13401   1.059 -0.021601 -0.076166  0.053649     3.061 -0.000275 -0.088778
             -70.539  0.004870     2.068 -0.002945  0.017582 -0.576338
.
.
13402       0  0.009420 -0.004235  0.098471 -0.084271 -0.103713 -0.004218
             -148.324  0.009605    -2.024 -0.104305     2.137 -0.840104
.
13402   1.059   -57.925  0.001239    -1.403 -0.136456 -0.018415 -0.456968
              0.009420 -0.004235  0.098471 -0.084271  0.000564 -0.008703
.
.
13403       0 -0.472053  0.019514  -220.533     4.988 -0.001323  0.014703
              0.087422  0.163231  0.590533    -4.509  3.54E-06     2.015
.
13403   0.300 -0.472053  0.019514  -220.533     4.988   -66.158  0.020557
              0.087422  0.163231  0.590533    -4.509  0.177156     2.064
.
.
13404       0    -1.041 -0.018045  -306.904    -3.191 -0.001841  0.186492
              0.076393 -0.218333  0.664904     5.157  3.99E-06  0.162724
.
13404   0.300    -1.041 -0.018045  -306.904    -3.191   -92.069  0.181079
              0.076393 -0.218333  0.664904     5.157  0.199467  0.097227
.
.
13405       0  0.299495  0.006967 -1.22E-12    -1.756 -1.47E-17  0.059395
              0.528074 -0.010290  6.91E-13 -0.491181  8.30E-18  0.035884
.
13405   0.600  0.299495  0.006967 -1.22E-12    -1.756 -7.33E-13  0.063575
              0.528074 -0.010290  6.91E-13 -0.491181  4.15E-13  0.029710
.
.
13501       0 -195.106  0.010099     1.959 -0.106213    -2.064 -0.818703
              0.089124  0.017321 -0.152247 -0.258796  0.160580     1.755
.
```

```
13501   1.059 -0.047282  0.011238 -0.016238 -0.097830 -0.000800 -0.432502
               -61.606   0.049459    1.096    -1.569   0.013493    -6.878
.
.
13502       0  0.594839  0.172672  0.103972    -1.808 -0.109805    -4.806
              -158.489   0.011321    -1.763 -0.092906     1.848 -0.829554
.
13502   1.059   -158.489  0.011321    -1.763 -0.092906 -0.019645 -0.817566
               0.118237 -0.070062  0.067675 -0.353818  0.000571    -1.076
.
.
13503       0 -0.384850  0.016859  -223.787     5.129 -0.001343  0.113220
               0.020902  0.190631  0.539616    -4.244  3.24E-06     1.855
.
13503   0.300 -0.384850  0.016859  -223.787     5.129   -67.135  0.118277
               0.020902  0.190631  0.539616    -4.244  0.161881     1.912
.
.
13504       0 -0.916021 -0.017073  -311.518    -3.316 -0.001869  0.249114
               0.103423 -0.171991  0.592134     4.624  3.55E-06     1.808
.
13504   0.300 -0.916021 -0.017073  -311.518    -3.316   -93.453  0.243992
               0.103423 -0.171991  0.592134     4.624  0.177636     1.756
.
.
13505       0  0.603277  0.025971 -1.25E-12    -1.820 -1.50E-17  0.043992
               0.351774  0.032979  7.77E-13 -0.447388  9.33E-18  0.014470
.
13505   0.600  0.603277  0.025971 -1.25E-12    -1.820 -7.50E-13  0.059574
               0.351774  0.032979  7.77E-13 -0.447388  4.66E-13  0.034257
.
.
14201       0  -100.145  0.015607  0.921230  0.943651 -0.965735    -9.272
              -0.042810  0.019941 -0.166620    -1.636  0.173095   -10.921
.
14201   1.036  -100.145  0.015607  0.921230  0.943651 -0.011379    -9.256
              -0.005283 -0.007287  0.061714  0.101937  0.000773 -0.011946
.
.
14202       0  0.015608 -0.001722  0.098771  0.095480 -0.102743  0.000137
               -94.806  0.007984    -1.261 -0.555649     1.313    -9.404
.
14202   1.036  0.015608 -0.001722  0.098771  0.095480 -0.000420 -0.001647
               -51.514 -0.000599 -0.939636 -0.191372  0.009403    -5.780
.
.
14203       0 -0.934128  0.015631  -100.153    -9.256 -0.000601 -0.943652
              -0.066768  0.302079     1.407  0.381514  8.44E-06    -1.794
.
14203   0.300 -0.934128  0.015631  -100.153    -9.256   -30.045 -0.938963
              -0.066768  0.302079     1.407  0.381514  0.422045    -1.704
.
.
14204       0 -0.619723 -0.020466   -99.995    20.293 -0.000600     1.642
               0.044739 -0.223324  0.366767     1.422  2.20E-06    -2.054
.
14204   0.300 -0.619723 -0.020466   -99.995    20.293   -29.998     1.636
               0.044739 -0.223324  0.366767     1.422  0.110028    -2.121
.
.
14205       0 -0.630661  0.262848 -3.51E-12  0.736214 -4.21E-17  0.344741
               0.107364 -0.283192  3.03E-12    -2.343  3.63E-17  0.147792
.
14205   0.600 -0.630661  0.262848 -3.51E-12  0.736214 -2.11E-12  0.502444
               0.107364 -0.283192  3.03E-12    -2.343  1.82E-12 -0.022116
.
.
14301       0  -102.090  0.013759     1.175  0.943226    -1.219    -9.691
              -0.083114  0.022104 -0.152058    -1.627  0.157915   -10.917
.
14301   1.036   -68.000  0.002870     1.127  0.359225 -0.011262    -7.374
               0.012803 -0.002937 -0.078572 -0.080366  0.000637 -0.006567
.
.
14302       0  0.013409 -0.002811  0.099117  0.095557 -0.103025  0.000141
              -94.693   0.007446    -1.642 -0.492178     1.720   -10.080
.
14302   1.036  0.030324 -0.098974  0.058355 -0.507257 -0.000947 -0.180495
              -94.693   0.007446    -1.642 -0.492178  0.018731   -10.073
.
.
14303       0    -1.166  0.013831  -102.088    -9.676 -0.000613 -0.943226
              -0.082679  0.341957  0.969610  0.247820  5.82E-06 -0.975522
.
14303   0.300    -1.166  0.013831  -102.088    -9.676   -30.626 -0.939077
              -0.082679  0.341957  0.969610  0.247820  0.290876 -0.872939
.
.
14304       0 -0.781414 -0.022539  -102.320    20.302 -0.000614     1.637
               0.097150 -0.213451  0.421386     1.961  2.53E-06    -1.955
.
14304   0.300 -0.781414 -0.022539  -102.320    20.302   -30.695     1.631
               0.097150 -0.213451  0.421386     1.961  0.126413    -2.019
.
.
14305       0 -0.040158 -0.268167 -3.05E-12    -2.245 -3.66E-17  0.163717
              -1.619    0.354596  3.53E-12     1.214  4.24E-17  0.424118
.
14305   0.600 -0.040158 -0.268167 -3.05E-12    -2.245 -1.83E-12  0.002823
              -1.619    0.354596  3.53E-12     1.214  2.12E-12  0.636868
.
.
14401       0  -104.206  0.011674     1.525  0.757568    -1.591    -10.423
              -0.063364  0.023304 -0.166600    -1.773  0.172579    -10.921
.
14401   1.036  -104.206  0.011674     1.525  0.757568 -0.011729    -10.411
              -0.013306 -0.004296  0.102076  0.096481  0.000891 -0.007852
.
.
14402       0  0.103476 -0.074665  0.102572 -0.617482 -0.106079 -0.058958
              -94.805   0.009848    -1.279 -0.660293     1.322    -9.400
.
14402   1.036   -94.805  0.009848    -1.279 -0.660293 -0.002843    -9.390
              -51.514   1.50E-05 -0.948717 -0.289632  0.004699    -5.774
.
.
14403       0    -1.533  0.011703  -104.215   -10.411 -0.000625 -0.757567
               0.083731  0.164698  0.428415    -2.461  2.57E-06     1.803
```

```
.
14403   0.300    -1.533  0.011703  -104.215   -10.411   -31.264 -0.754056
                0.083731  0.164698  0.428415    -2.461  0.128522     1.853
.
.
14404       0 -0.619718 -0.023788   -99.996    20.290 -0.000600     1.742
                0.071221 -0.219534  0.464431     2.989  2.79E-06 -0.840925
.
14404   0.300 -0.619718 -0.023788   -99.996    20.290   -29.998     1.735
                0.071221 -0.219534  0.464431     2.989  0.139326 -0.906782
.
.
14405       0  0.037272  0.754576 -9.22E-13    10.945 -1.11E-17 -0.071000
                0.090211 -0.437073  6.27E-13    -5.648  7.52E-18  0.153540
.
14405   0.600  0.037272  0.754576 -9.22E-13    10.945 -5.53E-13  0.381732
                0.090211 -0.437073  6.27E-13    -5.648  3.76E-13 -0.108695
.
.
14501       0  -102.091  0.011452     1.162  0.838512    -1.212    -9.691
               -0.045036  0.022821 -0.149953    -1.790  0.155130   -10.976
.
14501   1.036    -68.000  0.001840     1.129  0.257841 -0.009906    -7.381
               -8.70E-05  0.012472 -0.013834 -0.631069  0.000576    -4.786
.
.
14502       0 -0.018816  0.011254  0.100107  0.842045 -0.103469    -5.211
                -93.757  0.012699 -0.996374 -0.623309     1.039    -8.931
.
14502   1.036 -0.008934 -0.002037 -0.101161 -0.090637 -0.000839 -0.002016
                -52.886  0.005360 -0.703980 -0.136925  0.010105    -5.577
.
.
14503       0    -1.166  0.011469  -102.088    -9.680 -0.000613 -0.838508
               -0.084303  0.291841  0.973990  0.208423  5.84E-06  0.769939
.
14503   0.300    -1.166  0.011469  -102.088    -9.680   -30.626 -0.835068
               -0.084303  0.291841  0.973990  0.208423  0.292191  0.857487
.
.
14504       0 -0.524191 -0.023245   -98.610    20.385 -0.000592     1.769
               -0.200162 -0.287153  0.676274  0.409983  4.06E-06     2.874
.
14504   0.300 -0.524191 -0.023245   -98.610    20.385   -29.582     1.762
               -0.200162 -0.287153  0.676274  0.409983  0.202878     2.788
.
.
14505       0  0.366452  0.793457 -9.38E-13    10.992 -1.13E-17 -0.130246
               -0.017646 -0.513979  6.71E-13    -5.221  8.05E-18  0.173376
.
14505   0.600  0.366452  0.793457 -9.38E-13    10.992 -5.63E-13  0.345814
               -0.017646 -0.513979  6.71E-13    -5.221  4.03E-13 -0.135002
.
.
15201       0 -0.005853 -0.001704  0.097855  0.095342 -0.081221  0.000253
               -0.002365  0.023760 -0.171162 -0.393961  0.141485 -0.702106
.
15201   0.825    -1.577  0.012121  0.034961  0.067489 -0.002292    -5.095
                 8.579  0.231162  0.002863  0.261325  0.002792 -0.582951
.
.
15202       0  0.011546 -0.001708  0.100902  0.096292 -0.082530  0.000137
                 3.816  0.023724 -0.198000 -0.397840  0.164460    -1.500
.
15202   0.825    11.610  0.137451 -0.007613  0.147577 -0.004258    -1.528
                -2.522  0.013350 -0.194596 -0.238495  0.003749    -6.161
.
.
15203       0 -0.037052  0.012308    -1.575    -5.095 -9.45E-06 -0.067489
                0.075885  0.135647    10.209 -0.913372  6.13E-05 -0.001692
.
15203   0.300 -0.037052  0.012308    -1.575    -5.095 -0.472582 -0.063796
                0.075885  0.135647    10.209 -0.913372     3.063  0.039000
.
.
15204       0 -0.184126 -0.000821    -6.166     4.781 -3.70E-05  0.210524
               -0.002356 -0.140587    11.621     1.525  6.97E-05 -0.147592
.
15204   0.300 -0.184126 -0.000821    -6.166     4.781    -1.850  0.210278
               -0.002356 -0.140587    11.621     1.525     3.486 -0.189767
.
.
15205       0    -1.415  0.158021 -1.00E-11 -0.085212 -1.21E-16  0.259939
               -0.009401  0.001682  1.73E-12 -0.070740  2.08E-17  0.029911
.
15205   0.600    -1.415  0.158021 -1.00E-11 -0.085212 -6.03E-12  0.354748
               -0.009401  0.001682  1.73E-12 -0.070740  1.04E-12  0.030920
.
.
15301       0    -6.219  0.005245  0.190074  0.248259 -0.163645    -5.788
                0.022325  0.024644 -0.159880 -0.442154  0.130908    -1.077
.
15301   0.825    -6.219  0.005245  0.190074  0.248259 -0.006840    -5.784
                11.221  0.078546 -0.007267  0.176753  0.004695    -1.719
.
.
15302       0  0.057153  0.019527  0.100862  0.280025 -0.083660    -2.528
                -12.381  0.007657 -0.367549 -0.411966  0.314459    -7.527
.
15302   0.825    12.742  0.182889  0.035972  0.061718 -0.005749    -3.024
                -12.381  0.007657 -0.367549 -0.411966  0.011244    -7.520
.
.
15303       0 -0.199085  0.005300    -6.218    -5.784 -3.73E-05 -0.248258
                0.012572  0.076837    11.234    -1.719  6.74E-05 -0.176763
.
15303   0.300 -0.199085  0.005300    -6.218    -5.784    -1.865 -0.246669
                0.012572  0.076837    11.234    -1.719     3.370 -0.153713
.
.
15304       0 -0.350305  0.004753    -14.601     5.428 -8.76E-05  0.386767
                0.043899 -0.186685    12.742     3.021  7.65E-05 -0.061720
.
15304   0.300 -0.350305  0.004753    -14.601     5.428    -4.380  0.388193
                0.043899 -0.186685    12.742     3.021     3.823 -0.117723
.
.
15305       0 -0.487917  0.248671 -2.06E-12     3.907 -2.47E-17 -0.077956
```

		-2.920	0.087105	1.00E-11	-0.121049	1.20E-16	0.334560
.							
15305	0.600	-0.487917	0.248671	-2.06E-12	3.907	-1.23E-12	0.071241
		-2.920	0.087105	1.00E-11	-0.121049	6.02E-12	0.386821
.							
.							
15401	0	-16.194	-0.001940	0.373499	0.425650	-0.323950	-6.710
		-0.003499	0.026709	-0.172238	-0.428325	0.141656	-0.691327
.							
15401	0.825	-16.194	-0.001940	0.373499	0.425650	-0.015826	-6.712
		11.361	0.092166	-0.038652	-0.051491	0.004144	-3.274
.							
.							
15402	0	0.082446	-0.075093	0.108669	-0.035181	-0.088654	-0.032125
		3.816	0.026853	-0.197075	-0.411235	0.164199	-1.494
.							
15402	0.825	9.358	0.029707	-0.001681	-0.208558	-0.003768	-1.547
		-6.168	0.001387	-0.176963	-0.229954	0.005620	-4.773
.							
.							
15403	0	-0.389205	-0.002198	-16.199	-6.712	-9.72E-05	-0.425649
		0.042451	0.096320	11.349	-3.271	6.81E-05	0.051489
.							
15403	0.300	-0.389205	-0.002198	-16.199	-6.712	-4.860	-0.426308
		0.042451	0.096320	11.349	-3.271	3.405	0.080384
.							
.							
15404	0	-0.184020	-0.001352	-6.169	4.773	-3.70E-05	0.229954
		-0.000343	-0.174116	11.623	1.497	6.97E-05	0.192404
.							
15404	0.300	-0.184020	-0.001352	-6.169	4.773	-1.851	0.229548
		-0.000343	-0.174116	11.623	1.497	3.487	0.140171
.							
.							
15405	0	-0.165250	0.044223	-7.49E-13	0.826977	-8.98E-18	0.060334
		-0.445119	-0.203378	5.20E-13	-3.468	6.24E-18	0.058090
.							
15405	0.600	-0.165250	0.044223	-7.49E-13	0.826977	-4.49E-13	0.086867
		-0.445119	-0.203378	5.20E-13	-3.468	3.12E-13	-0.063933
.							
.							
15501	0	-6.218	0.004425	0.195995	0.228195	-0.166087	-5.798
		-0.021379	0.026411	-0.150923	-0.392046	0.125746	-0.485966
.							
15501	0.825	-6.218	0.004425	0.195995	0.228195	-0.004398	-5.794
		11.222	0.056603	-0.009173	-0.159058	0.002948	-1.738
.							
.							
15502	0	0.044919	0.017464	0.102956	0.254259	-0.084722	-2.551
		5.000	0.026694	-0.164062	-0.380021	0.134103	-1.076
.							
15502	0.825	8.589	0.102173	0.063618	0.024618	-0.094282	-0.824081
		-2.159	0.008672	-0.024734	-0.052477	0.002891	-4.238
.							
.							
15503	0	-0.199141	0.004290	-6.223	-5.794	-3.73E-05	-0.228194
		0.010499	0.058255	11.239	-1.737	6.74E-05	0.159064
.							
15503	0.300	-0.199141	0.004290	-6.223	-5.794	-1.867	-0.226907
		0.010499	0.058255	11.239	-1.737	3.372	0.176540
.							
.							
15504	0	-0.028698	-0.008769	-2.160	4.237	-1.30E-05	0.052477
		0.042926	-0.199160	10.261	0.763793	6.16E-05	0.141302
.							
15504	0.300	-0.028698	-0.008769	-2.160	4.237	-0.648020	0.049846
		0.042926	-0.199160	10.261	0.763793	3.078	0.081557
.							
.							
15505	0	0.115774	0.025700	-7.59E-13	0.607723	-9.11E-18	0.045252
		-0.412795	-0.119331	5.15E-13	-2.762	6.18E-18	0.041344
.							
15505	0.600	0.115774	0.025700	-7.59E-13	0.607723	-4.56E-13	0.060671
		-0.412795	-0.119331	5.15E-13	-2.762	3.09E-13	-0.030252
.							
.							
21101	0	-0.090696	-0.072677	0.119446	-0.143776	-0.150442	0.090109
		-0.003380	-0.009603	-6.285	7.724	7.480	0.011853
.							
21101	2.300	-0.060309	-0.024101	-61.855	2.161	-40.034	-0.020533
		-0.090696	-0.072677	0.119446	-0.143776	0.124273	-0.077042
.							
.							
21111	0	0.006712	-0.024612	43.319	1.727	-2.124	0.033446
		-0.034632	-0.063296	3.255	2.794	2.210	0.080025
.							
21111	2.300	0.006712	-0.024612	-56.681	1.727	-32.490	-0.023159
		-0.034632	-0.063296	3.255	2.794	9.696	-0.065550
.							
.							
21121	0	0.030107	-0.011920	48.458	0.744357	-7.746	0.013743
		0.016555	-0.061845	5.463	2.369	5.068	0.074932
.							
21121	2.300	0.030107	-0.011920	-51.542	0.744357	-26.293	-0.013671
		0.016555	-0.061845	5.463	2.369	17.632	-0.067305
.							
.							
21131	0	0.047697	-0.056944	56.263	1.474	-8.832	0.067403
		0.018250	-0.006169	1.921	-0.105390	5.048	0.005596
.							
21131	2.300	0.047697	-0.056944	-43.737	1.474	-9.423	-0.063564
		0.010694	-0.080064	6.357	1.348	15.029	-0.091976
.							
.							
21141	0	0.057474	-0.049167	55.818	0.223230	-5.673	0.056248
		0.014631	-0.084019	8.175	1.379	1.044	0.096729
.							
21141	2.300	0.057474	-0.049167	-44.182	0.223230	-7.291	-0.056832
		0.014631	-0.084019	8.175	1.379	19.846	-0.096507
.							
.							
21151	0	0.048167	-0.044577	57.568	-0.977475	-8.792	0.048942
		0.023625	-0.091670	7.640	1.090	4.820	0.106358
.							
21151	2.300	0.048167	-0.044577	-42.432	-0.977475	-6.386	-0.053581
		0.023625	-0.091670	7.640	1.090	22.391	-0.104476
.							
.							

21161	0	0.044252	-0.101551	56.177	0.245298	-8.951	0.118721
		0.027674	-0.051828	8.263	-1.736	4.910	0.057834
.							
21161	2.300	0.044252	-0.101551	-43.823	0.245298	-9.745	-0.114837
		0.027674	-0.051828	8.263	-1.736	23.914	-0.061366
.							
.							
21171	0	0.095573	-0.125587	53.570	-1.068	-5.864	0.153825
		0.044632	-0.077248	8.087	-1.992	1.035	0.094166
.							
21171	2.300	0.095573	-0.125587	-46.430	-1.068	-12.654	-0.135014
		0.044632	-0.077248	8.087	-1.992	19.635	-0.083497
.							
.							
21181	0	0.296518	-0.186495	53.098	-2.415	-9.071	0.247710
		0.154098	-0.180679	-1.068	-0.427565	3.765	0.227759
.							
21181	2.300	0.296518	-0.186495	-46.902	-2.415	-16.945	-0.181211
		0.177522	-0.120570	5.571	-1.983	13.087	-0.116207
.							
.							
21191	0	0.405336	-0.257124	48.501	-0.849728	-14.203	0.318771
		0.720669	-0.259930	1.527	-3.318	4.485	0.339819
.							
21191	2.300	0.405336	-0.257124	-51.499	-0.849728	-32.650	-0.272592
		0.720669	-0.259930	1.527	-3.318	7.996	-0.257997
.							
.							
21201	0	-0.023127	-0.018383	85.599	-3.376	-40.897	0.023129
		0.009688	-0.006652	-2.495	4.347	4.070	0.006976
.							
21201	2.300	0.003185	-0.001498	-62.370	2.435	-38.848	-0.001986
		-0.059487	-0.058112	4.185	-6.164	5.538	-0.062696
.							
.							
21211	0	-0.004502	-0.022599	79.385	-2.809	-32.217	0.027776
		-0.023535	-0.075679	-4.762	-5.917	9.325	0.090769
.							
21211	2.300	0.001479	-0.002211	-57.794	2.019	-31.658	-0.002684
		0.006046	-0.009025	3.454	4.176	9.359	-0.010691
.							
.							
21221	0	0.008054	-0.021232	75.503	-1.512	-26.561	0.025356
		0.006063	-0.081113	-10.062	-5.057	18.869	0.096164
.							
21221	2.300	0.001081	-0.003030	-54.215	1.074	-26.278	-0.003498
		0.005504	-0.010811	6.272	3.574	18.433	-0.012480
.							
.							
21231	0	0.007219	-0.012356	52.352	2.413	-14.254	0.014350
		0.008143	-0.121685	-7.539	-3.158	15.269	0.141350
.							
21231	2.300	0.026198	-0.077747	-33.865	-3.424	-16.950	-0.087628
		0.009230	-0.016003	5.063	2.183	15.797	-0.018143
.							
.							
21241	0	0.011074	-0.014295	52.616	0.821383	-12.001	0.016777
		0.018166	-0.121364	-10.410	-2.639	20.243	0.141088
.							

21241	2.300	0.036511	-0.070279	-35.253	-1.205	-16.955	-0.079953
		0.014977	-0.018325	7.025	1.823	20.668	-0.020491
.							
.							
21251	0	0.017643	-0.017017	53.245	-0.778066	-12.869	0.020169
		0.033424	-0.119042	-12.495	-1.666	23.876	0.139320
.							
21251	2.300	0.041858	-0.062512	-35.258	1.023	-17.002	-0.071121
		0.025539	-0.022487	7.834	1.139	23.722	-0.024691
.							
.							
21261	0	0.045029	-0.029805	52.357	-0.044983	-14.269	0.036551
		0.053022	-0.055517	-13.124	2.697	25.437	0.065843
.							
21261	2.300	0.062463	-0.112891	-33.794	-0.000334	-17.053	-0.125587
		0.027957	-0.020792	8.243	-1.972	25.415	-0.022961
.							
.							
21271	0	0.079762	-0.041256	51.106	-1.614	-13.795	0.051428
		0.081501	-0.045383	-10.305	3.670	20.051	0.055857
.							
21271	2.300	0.110495	-0.098878	-32.781	2.195	-16.698	-0.108001
		0.042834	-0.025722	7.034	-2.656	20.664	-0.028322
.							
.							
21281	0	0.158349	-0.078515	69.783	4.318	-16.590	0.092521
		0.117856	-0.026011	-6.716	4.185	13.354	0.031878
.							
21281	2.300	0.158349	-0.078515	-30.217	4.318	-16.592	-0.088055
		0.060020	-0.031069	4.671	-3.012	14.099	-0.034851
.							
.							
21291	0	0.183316	-0.211830	79.024	0.901538	-33.546	0.247902
		0.143472	-0.101249	-5.292	5.729	9.486	0.107789
.							
21291	2.300	0.100355	-0.029057	-55.546	-0.697528	-32.065	-0.032659
		0.173514	-0.060604	3.143	-4.137	9.584	-0.070442
.							
.							
21301	0	0.003620	0.000150	77.171	-2.952	-39.333	-0.000410
		-0.004406	-0.000613	-2.37E-05	4.08E-05	1.54E-05	0.001152
.							
21301	2.300	0.003620	0.000150	-22.829	-2.952	-6.844	-6.49E-05
		0.014173	-0.000699	3.195	-5.385	4.654	-0.001860
.							
.							
21311	0	0.002283	0.000164	71.916	-2.456	-31.673	-0.000316
		0.007443	-0.000554	-4.265	-5.171	9.871	2.17E-05
.							
21311	2.300	0.002283	0.000164	-28.084	-2.456	-11.268	6.14E-05
		0.008717	-0.002120	-1.609	-3.033	1.294	-0.003234
.							
.							
21321	0	0.001883	0.000205	68.538	-1.321	-26.728	-0.000285
		0.005188	0.000617	-8.538	-4.424	19.324	-0.000900
.							
21321	2.300	0.001883	0.000205	-31.462	-1.321	-14.093	0.000186
		0.005508	-0.000603	-3.932	-2.938	1.478	-0.000960
.							

21331	0	0.011812	-0.070803	1.204	-3.118	-10.269	0.082135
		0.006993	0.002241	-6.326	-2.709	15.897	-0.002419
21331	2.300	0.006468	0.002475	-39.432	-2.991	-14.814	0.002938
		0.006993	0.002241	-6.326	-2.709	1.347	0.002736
21341	0	0.020426	-0.064577	1.104	-1.418	-11.330	0.074858
		0.012741	0.006475	-8.803	-2.245	20.931	-0.006858
21341	2.300	0.010213	0.005174	-40.478	-1.033	-13.804	0.006239
		0.012741	0.006475	-8.803	-2.245	0.685993	0.008033
21351	0	0.027652	-0.055372	0.371964	0.365097	-10.073	0.064151
		0.023895	0.012525	-10.534	-1.387	24.672	-0.013205
21351	2.300	0.016278	0.009161	-40.594	0.936281	-14.031	0.011035
		0.023895	0.012525	-10.534	-1.387	0.445314	0.015602
21361	0	0.035482	-0.096676	1.228	0.809866	-10.301	0.111214
		0.025405	0.014985	-11.072	2.416	26.367	-0.016453
21361	2.300	0.043571	0.021286	-39.435	0.077583	-14.816	0.026677
		0.025405	0.014985	-11.072	2.416	0.901631	0.018012
21371	0	0.030717	-0.082629	2.237	2.377	-11.399	0.092769
		0.038364	0.022864	-8.805	3.276	20.927	-0.025252
21371	2.300	0.076728	0.033711	-38.549	2.003	-14.652	0.042464
		0.009342	0.006170	-1.944	0.991616	0.870051	0.007274
21381	0	0.125768	0.047843	63.436	3.861	-16.286	-0.050284
		0.053620	0.031678	-5.795	3.733	14.198	-0.035614
21381	2.300	0.125768	0.047843	-36.564	3.861	-15.385	0.059752
		0.053620	0.031678	-5.795	3.733	0.869376	0.037242
21391	0	0.084091	0.003070	71.208	0.842796	-33.360	-0.003427
		0.165631	0.047421	-4.698	5.091	10.433	-0.055033
21391	2.300	0.084091	0.003070	-28.792	0.842796	-14.583	0.003635
		-0.163226	-0.224918	2.800	0.629941	1.123	-0.265800
21401	0	0.000749	0.001391	6.147	-2.844	-11.500	-0.001713
		0.005218	-0.007468	-0.357660	-0.606733	1.152	0.008095
21401	2.300	-0.001981	-0.002880	-9.10E-05	0.000110	-0.000119	-0.002968
		0.009982	0.002008	5.789	-7.153	6.671	0.000805
21411	0	0.002107	0.001825	4.430	-2.565	-9.844	-0.002061
		0.003809	0.003190	0.022317	-5.031	0.469288	-0.004571
21411	2.300	0.001253	-0.010567	-0.150554	-0.593317	-0.002694	-0.012388
		0.003809	0.003190	0.022317	-5.031	0.520615	0.002767
21421	0	0.002399	0.001528	3.716	-1.860	-8.594	-0.001912
		0.000310	0.005987	-1.290	-4.494	2.098	-0.007281
21421	2.300	0.001183	0.006414	-0.221068	-5.756	-1.943	0.007129
		0.000537	-0.095163	0.008619	-0.052682	0.005496	-0.110187
21431	0	0.002483	0.009012	2.415	-4.030	-7.084	-0.010440
		0.000334	0.009703	-1.812	-3.592	2.569	-0.011286
21431	2.300	0.000334	0.009703	-1.812	-3.592	-1.597	0.011030
		-0.003490	-0.097769	0.008691	-0.054713	0.005208	-0.112084
21441	0	0.004174	0.012467	2.430	-1.834	-7.581	-0.014397
		0.002844	0.015414	-1.866	-2.331	2.075	-0.017587
21441	2.300	0.002844	0.015414	-1.866	-2.331	-2.216	0.017863
		-0.003535	-0.101168	0.007057	-0.057567	0.005978	-0.115979
21451	0	0.010895	-0.034529	3.092	-0.089903	-7.707	0.040229
		0.000673	0.004905	-0.685461	0.390566	0.641216	-0.005647
21451	2.300	0.008742	0.024545	-1.216	-0.729448	-2.738	0.028733
		-0.005593	-0.106616	0.002672	-0.061171	0.006729	-0.122569
21461	0	0.013110	-0.028119	3.198	0.541636	-7.823	0.032477
		0.001395	0.007402	-0.816813	0.942441	1.138	-0.008488
21461	2.300	0.007903	0.026551	-1.543	2.561	-2.924	0.030540
		-0.012036	-0.116379	-0.004483	-0.065323	0.007344	-0.134255
21471	0	0.025897	0.055525	3.215	3.180	-8.829	-0.064302
		0.010925	0.038111	-1.858	4.217	2.057	-0.043926
21471	2.300	0.010925	0.038111	-1.858	4.217	-2.216	0.043725
		-0.023222	-0.133335	-0.013775	-0.069648	0.008461	-0.153902
21481	0	0.014824	0.069959	3.206	4.939	-8.199	-0.084317
		0.011720	0.049929	-1.491	5.409	1.989	-0.058174
21481	2.300	0.011720	0.049929	-1.491	5.409	-1.440	0.056658
		-0.032797	-0.157800	-0.023664	-0.073579	0.012656	-0.180788
21491	0	-0.026435	0.003881	3.178	0.878808	-6.116	-0.008198
		0.005663	0.054027	-0.815531	6.116	1.189	-0.063746
21491	2.300	-0.029605	0.058045	0.281204	6.100	-1.243	0.060478
		-0.026435	0.003881	3.178	0.878808	1.192	0.000728

```
.
.
21501       0  0.306765 -0.263306    58.718    -1.092   -31.330  0.218124
              -0.030367 -0.038148 -0.092426 -0.007573  0.133182  0.056032
.
21501   2.300  0.306765 -0.263306   -41.282    -1.092   -26.279 -0.387454
              -0.004978  0.007372  0.036472    -7.128  0.108635  0.010484
.
.
21601       0  0.120048 -0.516953    77.841     1.226   -34.246  0.570399
              -0.112265 -0.065531 -0.009680  0.000292  0.059590  0.123816
.
21601   2.300  0.037177 -0.004792   -49.967 -0.932180   -28.628 -0.025143
               0.106580 -0.357240  0.386906 -0.015143  0.118255 -0.446866
.
.
21701       0  0.027565 -0.054765    68.949     1.127   -33.503  0.046360
               0.061447 -0.024363 -0.070619     5.459  0.107082 -0.003069
.
21701   2.300  0.027565 -0.054765   -31.051     1.127   -19.922 -0.079593
              -0.113202 -0.322312  0.120719 -0.040104  0.160122 -0.319725
.
.
21801       0 -0.023874 -9.29E-06  0.064443  0.001190 -0.056494  0.011819
              -0.095797 -0.080562 -0.054407     2.037  0.147538  0.118811
.
21801   2.300 -0.026377 -0.065440 -0.028636     1.019 -0.028555 -0.066948
              -0.015811  0.012428  0.075610 -0.007239  0.149125  0.019339
.
.
22101       0  0.537046 -0.160070    58.736     2.393   -31.583  0.433376
               0.003450  0.024824 -0.066448 -0.003113  0.152335 -0.025608
.
22101   2.300  0.537046 -0.160070   -41.264     2.393   -26.490  0.065229
              -0.022184 -0.173830  0.082427     3.986  0.122756 -0.211941
.
.
22111       0  0.736324  0.273967    47.688     1.900    -9.497 -0.383785
              -0.005418  0.088752    -4.349     3.525  0.725962 -0.092717
.
22111   2.300  0.736324  0.273967   -52.312     1.900   -29.816  0.246314
               0.567739  0.109582     4.306     2.626    10.498  0.075283
.
.
22121       0  0.208860  0.273235    49.537  0.777813    -9.008 -0.353147
               0.179864  0.148560     6.875     2.288     4.287 -0.196542
.
22121   2.300  0.208860  0.273235   -50.463  0.777813   -25.073  0.275269
               0.179864  0.148560     6.875     2.288    20.099  0.145132
.
.
22131       0  0.071167  0.118605    57.371     1.430    -8.106 -0.137442
               0.022059  0.245166     2.942 -0.147178     4.072 -0.287566
.
22131   2.300  0.071167  0.118605   -42.629     1.430    -6.154  0.135337
               0.027149 -0.029983     6.499     1.251    15.553 -0.036924
.
.
22141       0  0.066625  0.102426    57.226  0.160805    -4.955 -0.116195
               0.021809 -0.052105     8.853     1.546     1.120  0.060689
.
22141   2.300  0.066625  0.102426   -42.774  0.160805    -3.336  0.119376
               0.021809 -0.052105     8.853     1.546    21.481 -0.059148
.
.
22151       0  0.059139  0.093297    58.689    -1.022    -7.873 -0.108554
               0.033188 -0.071501     9.097     1.484     4.570  0.083792
.
22151   2.300  0.059139  0.093297   -41.311    -1.022    -2.889  0.108020
               0.033188 -0.071501     9.097     1.484    25.492 -0.080653
.
.
22161       0  0.054348 -0.087523    57.433  0.727186    -8.109  0.102021
               0.035883  0.075974     9.656    -1.641     4.703 -0.088751
.
22161   2.300  0.054348 -0.087523   -42.567  0.727186    -6.013 -0.099273
               0.035883  0.075974     9.656    -1.641    26.911  0.085983
.
.
22171       0  0.089183 -0.114327    55.125 -0.653935    -5.235  0.135319
               0.048260  0.036697     8.796    -1.652     1.121 -0.036202
.
22171   2.300  0.089183 -0.114327   -44.875 -0.653935    -8.449 -0.124622
               0.048260  0.036697     8.796    -1.652    21.352  0.048198
.
.
22181       0  0.263058 -0.183166    54.255    -2.129    -8.363  0.245395
               0.104355 -0.246181 -0.520429 -0.359587     3.489  0.300259
.
22181   2.300  0.263058 -0.183166   -45.745    -2.129   -13.577 -0.175870
               0.184805 -0.038194     5.828    -1.400    13.875 -0.016350
.
.
22191       0  0.348599 -0.277692    47.955 -0.887795   -12.940  0.348172
               0.730186 -0.271246     2.666    -3.114     4.036  0.368418
.
22191   2.300  0.348599 -0.277692   -52.045 -0.887795   -32.643 -0.290495
               0.730186 -0.271246     2.666    -3.114    10.168 -0.255422
.
.
22201       0  0.020212 -0.689408    77.995  0.065128   -34.468  0.759445
              -0.007891  0.031018 -4.05E-05  4.68E-05  5.53E-05 -0.040331
.
22201   2.300 -0.050602 -0.004059   -50.012 -0.007267   -28.671 -0.031589
               0.013200 -0.138493  0.317369  0.001813  0.111086 -0.169644
.
.
22211       0 -0.202472  0.160085    76.858    -3.204   -29.357 -0.150183
              -0.027399 -0.119306    -5.919    -6.842    10.972  0.164854
.
22211   2.300  0.286418  0.076063   -54.840     2.300   -28.253  0.085535
               0.147771  0.052717     4.426     4.775    12.311  0.064918
.
.
22221       0  0.018515  0.262173    74.264    -1.622   -24.717 -0.285897
               0.111542  0.031161   -11.321    -5.872    21.504 -0.026299
.
22221   2.300  0.197927  0.075598   -53.092     1.168   -23.731  0.075925
```

```
                0.126894  0.051856     7.548     4.118    22.815  0.056843
.
.
22231        0  0.087577  0.036456    53.639     2.782   -11.525 -0.044987
                0.073263 -0.114004    -7.335    -3.635    15.968  0.129448
.
22231    2.300  0.118279  0.085935   -35.414    -3.951   -16.840  0.096221
                0.059520  0.009631     5.149     2.495    18.446  0.009703
.
.
22241        0  0.060390  0.021621    54.110  0.912930    -8.911 -0.026579
                0.052003 -0.107606   -10.743    -3.098    22.033  0.122953
.
22241    2.300  0.085490  0.106606   -37.015    -1.296   -16.776  0.118907
                0.047048  0.000290     7.515     2.142    24.525 -0.000268
.
.
22251        0  0.049264  0.009413    54.432 -0.962866    -9.418 -0.011163
                0.049857 -0.104760   -13.636    -2.022    26.997  0.122048
.
22251    2.300  0.062982  0.116702   -36.704     1.366   -16.447  0.132296
                0.046254 -0.009561     8.972     1.412    28.876 -0.010427
.
.
22261        0  0.059940 -0.021565    53.639  0.055192   -11.515  0.026917
                0.062533  0.121960   -14.144     3.317    28.474 -0.139160
.
22261    2.300  0.072115 -0.098254   -35.487 -0.074649   -16.879 -0.108615
                0.052667 -0.001512     9.320    -2.324    30.794 -0.000825
.
.
22271        0  0.093068 -0.037812    52.683    -1.800   -11.677  0.047694
                0.098466  0.127797   -10.676     4.392    21.913 -0.141157
.
22271    2.300  0.121573 -0.081105   -34.838     2.559   -17.024 -0.086349
                0.069788 -0.012568     7.517    -3.054    24.517 -0.012441
.
.
22281        0  0.148097 -0.057568    51.330    -3.609   -14.510  0.071709
                0.176620  0.140586    -6.699     4.927    14.265 -0.153438
.
22281    2.300  0.179964 -0.044997   -31.965     5.125   -16.476 -0.048693
                0.096713 -0.023059     4.806    -3.402    16.517 -0.024691
.
.
22291        0  0.087761 -0.234662    78.891     1.107   -33.183  0.269276
                0.166239 -0.025912    -6.382     6.822    11.552  0.016268
.
22291    2.300  0.097090 -0.036571   -55.672 -0.826118   -31.727 -0.041089
                0.195084 -0.067025     4.143    -4.798    12.290 -0.078692
.
.
22301        0 -0.047165 -0.075760    68.998  0.021247   -33.552  0.064351
               -0.077474 -0.043057 -0.000951  0.002752  0.026967  0.006708
.
22301    2.300  0.116058  0.119801   -31.104    -3.416   -19.996  0.214291
                0.013350 -0.525371  0.111500  0.045115  0.137619 -0.590734
.
.
```

```
22311        0  0.312747 -0.044027    69.407    -2.816   -28.741  0.046347
                0.164680 -0.070744    -5.443    -5.912    12.498  0.083182
.
22311    2.300  0.312747 -0.044027   -30.593    -2.816   -14.106 -0.054910
                0.087218 -0.047033    -1.797    -3.369     1.847 -0.051684
.
.
22321        0  0.205198 -0.045705    67.231    -1.443   -24.109  0.039970
                0.128223 -0.055259    -9.969    -5.092    23.664  0.059391
.
22321    2.300  0.205198 -0.045705   -32.769    -1.443   -14.479 -0.065147
                0.076148 -0.038966    -3.898    -3.298     3.197 -0.046332
.
.
22331        0  0.070518  0.056550  0.440956    -3.326   -10.081 -0.068964
                0.055456 -0.025639    -6.461    -3.097    18.523  0.027916
.
22331    2.300  0.084311 -0.033334   -41.113    -3.441   -12.877 -0.041568
                0.055456 -0.025639    -6.461    -3.097     3.664 -0.031051
.
.
22341        0  0.049008  0.089973  0.189200    -1.672   -10.997 -0.104355
                0.043221 -0.011684    -9.393    -2.641    24.745  0.012856
.
22341    2.300  0.057377 -0.014550   -42.367    -1.139   -11.552 -0.018377
                0.043221 -0.011684    -9.393    -2.641     3.141 -0.014017
.
.
22351        0  0.043868  0.114068 -0.594025  0.573343    -9.534 -0.130756
                0.043377  0.002057   -11.817    -1.721    29.736 -0.001732
.
22351    2.300  0.046510  0.001061   -42.171     1.171   -11.378  0.000898
                0.043377  0.002057   -11.817    -1.721     2.558  0.003000
.
.
22361        0  0.046014 -0.080311  0.440001  0.964488   -10.108  0.092715
                0.049208  0.015772   -12.288     2.359    31.653 -0.017307
.
22361    2.300  0.057694  0.017126   -41.118 -0.040269   -12.876  0.021786
                0.049208  0.015772   -12.288     2.359     3.392  0.018966
.
.
22371        0  0.049607 -0.054827     1.591     2.373   -11.536  0.061763
                0.064099  0.031259    -9.391     3.779    24.736 -0.034245
.
22371    2.300  0.089676  0.035909   -40.524     2.240   -13.370  0.045239
                0.064099  0.031259    -9.391     3.779     3.137  0.037647
.
.
22381        0  0.141551  0.057977    61.789     4.459   -11.643 -0.061416
                0.086145  0.045892    -5.987     4.230    16.593 -0.051488
.
22381    2.300  0.141551  0.057977   -38.211     4.459   -14.530  0.071925
                0.086145  0.045892    -5.987     4.230     2.824  0.054060
.
.
22391        0  0.091169  0.008818    71.101     1.002   -32.819 -0.009419
                0.187571  0.065221    -5.779     5.918    13.070 -0.076055
.
```

```
22391   2.300  0.091169  0.008818  -28.899     1.002   -14.288  0.010862
               0.095012  0.049040   -2.847     4.416     1.698  0.053196
.
.
22401       0  0.029142 -0.007909  0.056678    -6.284 -0.045964  0.025274
              -0.056594 -0.191249 -0.061247    -3.192  0.185396  0.212224
.
22401   2.300 -0.043391  0.217044 -0.065431    -3.566 -0.036125  0.230697
               0.015789 -0.068339  0.050639  0.016494  0.156482 -0.063298
.
.
22411       0 -0.022237 -0.061625     3.682    -3.201    -7.902  0.082582
               0.054860 -0.074179    -1.180    -6.115     2.179  0.083790
.
22411   2.300  0.034535 -0.099591 -0.840641    -8.443    -1.197 -0.111370
              -0.022237 -0.061625     3.682    -3.201  0.565113 -0.059149
.
.
22421       0  0.037196 -0.085226     3.561    -2.275    -8.142  0.103098
               0.029950 -0.061201    -2.220    -5.518     3.968  0.068904
.
22421   2.300  0.036822 -0.087537    -1.264    -7.137    -2.448 -0.099739
               0.037196 -0.085226     3.561    -2.275  0.049502 -0.092914
.
.
22431       0  0.028347  0.045074     2.919    -1.881    -7.434 -0.053833
               0.016741 -0.037021    -2.905    -4.477     4.930  0.042127
.
22431   2.300  0.029532 -0.055108     1.389    -4.976    -1.981 -0.063574
              -0.005041  0.144006 -0.009644  0.049411  0.006676  0.163039
.
.
22441       0  0.018815  0.068541     3.326    -1.011    -8.511 -0.080390
               0.012562 -0.014589    -3.100    -2.979     4.721  0.016765
.
22441   2.300  0.021295 -0.026112     1.197    -2.220    -2.498 -0.030445
              -0.003618 -0.201439  0.013960 -0.058495  0.006276 -0.230415
.
.
22451       0  0.016070  0.085074     3.460 -0.034337    -8.896 -0.098689
               0.014378  0.006910    -2.492    -1.025     2.679 -0.007549
.
22451   2.300  0.014378  0.006910    -2.492    -1.025    -3.053  0.008344
              -0.007286 -0.208157  0.008916 -0.062520  0.007510 -0.238439
.
.
22461       0  0.016868  0.009477     3.515  0.968810    -8.887 -0.114248
               0.015153  0.020702    -2.978     3.246     3.612 -0.023865
.
22461   2.300  0.015153  0.020702    -2.978     3.246    -3.238  0.023747
              -0.013749 -0.219426 -0.000587 -0.067525  0.008537 -0.251443
.
.
22471       0  0.009183  0.105536     2.930     1.900    -7.470 -0.124713
               0.019214  0.045586    -3.091     5.260     4.709 -0.052217
.
22471   2.300  0.019214  0.045586    -3.091     5.260    -2.400  0.052625
              -0.019089 -0.235124 -0.013742 -0.073101  0.010125 -0.268472
.
```

```
.
22481       0  0.032460  0.089105     2.710     6.161    -7.416 -0.105534
               0.029710  0.071167    -2.401     6.685     3.974 -0.081163
.
22481   2.300  0.029710  0.071167    -2.401     6.685    -1.549  0.082515
              -0.009133 -0.247071 -0.028192 -0.078464  0.015937 -0.278778
.
.
22491       0 -0.020013  0.013216     3.320     1.118    -6.523 -0.020163
               0.047065  0.080065    -1.288     7.517     2.230 -0.091666
.
22491   2.300  0.003827  0.088626 -0.060797     7.657    -1.433  0.095282
              -0.020013  0.013216     3.320     1.118     1.113  0.010231
.
.
22501       0  0.304057 -0.116650    58.608    -1.201   -31.277  0.038181
              -0.066240 -0.054271 -0.137579 -0.024060  0.113615  0.100408
.
22501   2.300  0.304057 -0.116650   -41.392    -1.201   -26.480 -0.230102
               0.013292  0.031434  0.002982    -8.761  0.053659  0.028126
.
.
22601       0  0.075958 -0.301670    77.846     1.528   -34.298  0.347482
              -0.111804 -0.056686 -0.006155  0.000993  0.050211  0.127372
.
22601   2.300  0.034816  0.009131   -49.964    -1.129   -28.617 -0.013178
               0.046987 -0.204245  0.476850 -0.002966  0.161710 -0.240624
.
.
22701       0  0.029958 -0.046239    68.932     1.369   -33.475  0.030144
              -0.123388  0.108379 -0.036917 -0.010809  0.090722 -0.057425
.
22701   2.300  0.029958 -0.046239   -31.068     1.369   -19.934 -0.076202
              -0.068447 -0.147376  0.157369 -0.033992  0.211638 -0.135016
.
.
22801       0 -0.043865  0.029361  0.095298  0.013849 -0.149859 -0.003986
              -0.098067 -0.158633 -0.059848     3.301  0.184371  0.226536
.
22801   2.300 -0.025669 -0.063318 -0.028780     1.304 -0.028550 -0.063127
              -0.015696 -0.042888  0.016518 -0.083609  0.166343 -0.072863
.
.
23101       0  0.677854 -0.043943    58.551     2.478   -31.561  0.474974
              -0.017043  0.067359 -0.098790  0.002687  0.174090 -0.090197
.
23101   2.300  0.677854 -0.043943   -41.449     2.478   -26.894  0.373908
              -0.010598 -0.200071  0.060862     5.589  0.082816 -0.238022
.
.
23111       0  0.801693  0.403440    48.246     1.782    -8.127 -0.571020
               0.670511  0.256195     5.315     1.078  0.554424 -0.377297
.
23111   2.300  0.801693  0.403440   -51.754     1.782   -27.161  0.356856
               0.670511  0.256195     5.315     1.078    12.779  0.211926
.
.
23121       0  0.175680  0.291571    50.867  0.248151    -7.826 -0.373859
               0.169654  0.176257     9.336     1.077     3.883 -0.229267
```

23121	2.300	0.175680	0.291571	-49.133	0.248151	-20.832	0.296726
		0.169654	0.176257	9.336	1.077	25.355	0.176107
23131	0	0.077820	0.098877	59.689	0.518821	-6.634	-0.112214
		0.021942	0.232591	5.145	-0.849246	3.390	-0.269432
23131	2.300	-0.014628	0.219634	-0.136141	0.221584	-0.370234	0.259307
		0.028027	-0.064118	6.314	0.395722	15.732	-0.076339
23141	0	0.075304	0.072477	60.066	-0.541693	-3.724	-0.081994
		0.022673	-0.094576	9.529	1.405	1.570	0.108676
23141	2.300	-0.004359	0.245569	-0.062978	0.187169	-0.188977	0.285204
		0.022673	-0.094576	9.529	1.405	23.486	-0.108841
23151	0	0.064801	0.063115	60.738	-1.431	-6.233	-0.074472
		0.034990	-0.116016	11.304	2.046	4.422	0.134859
23151	2.300	0	0.276835	-0.023668	0.185345	-0.085124	0.321616
		0.034990	-0.116016	11.304	2.046	30.420	-0.131967
23161	0	0.063836	-0.131825	59.765	1.715	-6.634	0.151996
		0.037857	0.046468	11.693	-1.500	4.634	-0.055973
23161	2.300	0.004418	-0.286115	-0.062743	-0.206272	-0.186548	-0.331825
		0.037857	0.046468	11.693	-1.500	31.526	0.050899
23171	0	0.082413	-0.155963	58.250	0.419099	-4.258	0.179663
		0.036365	0.008192	9.462	-0.768091	1.569	-0.007898
23171	2.300	0.002867	-0.274840	-0.133454	-0.240301	-0.358631	-0.323517
		0.036365	0.008192	9.462	-0.768091	23.330	0.010944
23181	0	0.197213	-0.223699	56.672	-1.130	-7.205	0.285665
		0.056815	-0.285722	0.627958	-0.130828	2.945	0.339369
23181	2.300	0.197213	-0.223699	-43.328	-1.130	-6.860	-0.228822
		0.128813	-0.063853	5.789	0.153998	14.305	-0.049933
23191	0	0.293610	-0.291825	47.384	-0.881436	-11.044	0.373773
		0.718929	-0.306572	4.767	-2.141	3.352	0.440319
23191	2.300	0.293610	-0.291825	-52.616	-0.881436	-32.061	-0.297399
		0.718929	-0.306572	4.767	-2.141	14.315	-0.264768
23201	0	0.090751	-0.467644	78.027	0.056122	-34.581	0.538708
		-0.002079	0.007391	-6.90E-06	1.52E-05	3.43E-06	-0.010055
23201	2.300	-0.052582	0.016922	-50.012	-0.009320	-28.658	-0.017915
		-0.056463	-0.318802	0.395773	-0.009722	0.145004	-0.433260

23211	0	-0.028349	0.171039	75.230	-4.407	-26.369	-0.156158
		0.165909	-0.126755	-6.723	-9.054	13.419	0.177102
23211	2.300	0.304241	0.107833	-53.768	2.958	-24.860	0.119871
		0.180774	0.065500	5.328	5.770	16.682	0.084017
23221	0	0.104794	0.260794	71.854	-2.097	-20.108	-0.297106
		0.197066	0.014106	-13.384	-7.863	26.889	-0.018221
23221	2.300	0.186973	0.083235	-51.413	1.342	-18.399	0.083627
		0.146236	0.057661	9.638	5.059	31.662	0.063334
23231	0	0.093081	0.036212	56.133	3.431	-5.249	-0.045275
		0.074456	-0.166372	-6.421	-4.760	16.552	0.187390
23231	2.300	0.129018	0.060827	-38.270	-5.331	-15.883	0.062668
		0.065981	0.008867	5.149	2.997	23.644	0.307979
23241	0	0.059683	0.018608	57.111	1.041	-1.963	-0.023304
		0.044527	-0.166183	-10.658	-4.129	24.495	0.191520
23241	2.300	0.081887	0.076432	-40.237	-1.710	-15.786	0.083834
		0.046608	-0.002251	8.181	2.706	32.153	-0.003457
23251	0	0.047597	0.006024	56.791	-1.352	-1.825	-0.007173
		0.046838	-0.166358	-15.137	-2.807	32.213	0.194549
23251	2.300	0.061759	0.085838	-39.074	1.926	-14.708	0.096673
		0.044178	-0.011990	10.885	1.951	39.291	-0.013203
23261	0	0.059129	-0.024222	56.125	0.309161	-5.219	0.030120
		0.061291	0.090414	-15.368	4.516	33.436	-0.103470
23261	2.300	0.073637	-0.160819	-38.357	-0.241218	-15.917	-0.179111
		0.053898	-0.005101	11.172	-2.992	41.704	-0.004570
23271	0	0.096513	-0.043343	55.843	-2.079	-6.669	0.054209
		0.095344	0.094182	-10.584	5.846	24.348	-0.103207
23271	2.300	0.128052	-0.144131	-38.655	3.348	-17.156	-0.157110
		0.078784	-0.018394	8.192	-3.742	32.146	-0.018454
23281	0	0.159416	-0.069909	53.904	-4.438	-10.696	0.085290
		0.167840	0.121867	-6.036	6.471	15.038	-0.135532
23281	2.300	0.192327	-0.091016	-35.272	6.865	-16.825	-0.104023
		0.118321	-0.032317	4.887	-4.028	21.229	-0.035542
23291	0	0.002487	-0.245905	78.375	1.548	-32.112	0.269959

		0.129544	0.053267	-8.384	9.155	15.640	-0.097008
.							
23291	2.300	0.101309	-0.048257	-55.599	-1.067	-30.614	-0.054346
		0.213897	-0.084672	6.004	-5.958	17.932	-0.103536
.							
.							
23301	0	-0.055725	-0.074778	68.977	0.023786	-33.515	0.049622
		-0.088052	-0.049919	-0.000373	0.002294	0.019091	-0.010135
.							
23301	2.300	0.121331	0.158358	-31.124	-1.528	-20.018	0.288914
		-0.004505	-0.510263	0.147263	0.034903	0.186794	-0.582850
.							
.							
23311	0	0.314316	-0.078291	67.888	-3.654	-25.116	0.083592
		0.181107	-0.095056	-6.482	-7.220	16.832	0.115187
.							
23311	2.300	0.314316	-0.078291	-32.112	-3.654	-13.976	-0.096470
		0.108495	-0.061944	-1.619	-3.900	3.782	-0.065441
.							
.							
23321	0	0.186591	-0.059955	65.023	-1.685	-18.562	0.056362
		0.139326	-0.073685	-12.313	-6.310	32.393	0.081203
.							
23321	2.300	0.186591	-0.059955	-34.977	-1.685	-14.010	-0.081528
		0.092000	-0.056011	-3.637	-3.883	6.985	-0.066191
.							
.							
23331	0	0.073695	0.015147	-1.212	-5.493	-8.877	-0.019406
		0.060270	-0.037154	-6.438	-3.760	23.680	0.040320
.							
23331	2.300	0.073695	0.015147	-1.212	-5.493	-11.664	0.015431
		0.060270	-0.037154	-6.438	-3.760	8.873	-0.045130
.							
.							
23341	0	0.053713	0.054538	-1.666	-2.301	-9.462	-0.063971
		0.041269	-0.018535	-10.144	-3.368	32.310	0.020279
.							
23341	2.300	0.053713	0.054538	-1.666	-2.301	-13.294	0.061463
		0.041269	-0.018535	-10.144	-3.368	8.981	-0.022351
.							
.							
23351	0	0.043094	0.081401	-2.440	0.993224	-7.594	-0.093375
		0.039292	-0.001556	-13.941	-2.397	40.019	0.002349
.							
23351	2.300	0.043094	0.081401	-2.440	0.993224	-13.207	0.093840
		0.039292	-0.001556	-13.941	-2.397	7.957	-0.001230
.							
.							
23361	0	0.048213	-0.137344	-1.219	1.167	-8.900	0.158624
		0.048175	0.018995	-14.319	3.707	42.425	-0.020509
.							
23361	2.300	0.045756	0.104976	-5.574	3.831	-13.160	0.122642
		0.048175	0.018995	-14.319	3.707	9.493	0.023178
.							
.							
23371	0	0.068722	-0.100104	0.112624	4.190	-11.058	0.116289
		0.072053	0.040757	-10.149	4.672	32.302	-0.044077
.							
23371	2.300	0.068722	-0.100104	0.112624	4.190	-10.799	-0.113942
		0.072053	0.040757	-10.149	4.672	8.959	0.049661
.							
.							
23381	0	0.095725	-0.041418	0.968548	6.940	-10.290	0.051281
		0.110557	0.064195	-6.075	5.059	21.269	-0.071743
.							
23381	2.300	0.154616	0.074992	-41.464	5.534	-12.093	0.091710
		0.110557	0.064195	-6.075	5.059	7.298	0.075899
.							
.							
23391	0	0.106105	0.020163	70.643	1.309	-31.404	-0.021152
		0.217242	0.100547	-7.826	7.419	18.612	-0.118953
.							
23391	2.300	0.106105	0.020163	-29.357	1.309	-13.927	0.025220
		0.132252	0.074925	-2.780	5.175	4.064	0.079409
.							
.							
23401	0	0.069440	0.032554	0.142030	-8.068	-0.210894	0.010925
		-0.118632	-0.083803	-0.063098	-6.251	0.243667	0.052491
.							
23401	2.300	-0.042055	0.267156	-0.048097	-5.141	-0.023515	0.283047
		0.002286	-0.102047	0.079028	0.013089	0.186491	-0.109564
.							
.							
23411	0	-0.002511	-0.113935	3.669	-4.563	-8.254	0.148903
		0.099654	-0.120327	-1.952	-7.920	4.007	0.131354
.							
23411	2.300	0.091003	-0.162277	-1.861	-11.547	-1.378	-0.187565
		-0.002511	-0.113935	3.669	-4.563	0.184469	-0.113138
.							
.							
23421	0	0.048583	-0.108596	3.250	-3.105	-7.912	0.130133
		0.036771	-0.088476	-3.787	-7.297	7.616	0.099035
.							
23421	2.300	0.048681	-0.120985	-3.258	-9.737	-2.902	-0.139694
		0.018314	0.232925	-0.022676	0.054712	0.011213	0.256037
.							
.							
23431	0	0.024838	0.008736	3.369	-3.649	-9.076	-0.011040
		0.015736	-0.050287	-5.139	-6.130	10.037	0.057511
.							
23431	2.300	0.028239	-0.068568	-1.037	-6.702	-2.694	-0.078945
		-0.010942	0.239164	-0.006965	0.049611	0.007303	0.270360
.							
.							
23441	0	0.018460	0.032542	3.734	-1.921	-10.149	-0.038716
		0.009526	-0.021363	-5.775	-4.325	10.702	0.024466
.							
23441	2.300	0.017378	-0.030752	-1.681	-2.828	-3.320	-0.035601
		-0.009450	0.228399	0.005606	0.045061	0.005800	0.260173
.							
.							
23451	0	0.015067	0.051529	3.683	-0.007402	-10.170	-0.060048
		0.009996	0.003627	-5.347	-1.801	8.813	-0.003948
.							
23451	2.300	0.009996	0.003627	-5.347	-1.801	-3.484	0.004395
		-0.004359	-0.255835	0.019193	-0.058089	0.004606	-0.291528
.							
.							

```
23461      0  0.016442  0.069316     3.564     1.929    -9.743 -0.080052
              0.011913  0.024859    -6.108     4.630    10.416 -0.028567
.
23461  2.300  0.011913  0.024859    -6.108     4.630    -3.632  0.028606
             -0.010678 -0.265307  0.010376 -0.061356  0.006122 -0.302195
.
.
23471      0  0.023200 -0.063703     3.161     3.121    -8.332  0.074962
              0.019248  0.058917    -5.754     7.203    10.667 -0.067435
.
23471  2.300  0.032386  0.069815  0.368757     5.131    -2.764  0.080541
             -0.013341 -0.278406 -0.003857 -0.066163  0.007599 -0.315164
.
.
23481      0  0.013077 -0.040104     2.444     4.272    -6.376  0.042020
              0.043033  0.104546    -4.337     8.937     8.368 -0.117494
.
23481  2.300  0.050300  0.122485     1.341     8.447    -1.870  0.139409
              0.012697 -0.275913 -0.021468 -0.071664  0.011232 -0.305190
.
.
23491      0 -0.006701  0.030918     3.505     1.605    -7.146 -0.042677
              0.110499  0.143547    -2.271     9.899     4.490 -0.158222
.
23491  2.300  0.062496  0.156793 -0.896726    10.661    -1.769  0.175244
             -0.006701  0.030918     3.505     1.605  0.914705  0.028431
.
.
23501      0  0.327283  0.099148    58.418    -1.356   -31.191 -0.242635
             -0.037274 -0.036518 -0.120353 -0.008689  0.173397  0.070561
.
23501  2.300  0.327283  0.099148   -41.582    -1.356   -26.830 -0.014604
             -0.007206  0.068845  0.034990    -2.119  0.032008  0.085925
.
.
23601      0  0.029607  0.039171    77.861     2.196   -34.394  0.003381
             -0.133812 -0.066616 -0.012842  0.001751  0.078100  0.180285
.
23601  2.300  0.035165  0.036289   -49.960    -1.530   -28.601  0.007607
              0.007899  0.356118  0.500689  0.004058  0.148787  0.441201
.
.
23701      0  0.036005 -0.039019    68.906     1.869   -33.434  0.006582
             -0.141003  0.210987 -0.044323 -0.012022  0.118102 -0.136264
.
23701  2.300  0.036005 -0.039019   -31.094     1.869   -19.953 -0.083159
              0.002163  0.416067  0.153042 -0.027509  0.203810  0.470213
.
.
23801      0  0.074847 -0.022593  0.156190    10.149 -0.220661 -0.026990
             -0.079605  0.109093 -0.052198     6.286  0.223394 -0.088235
.
23801  2.300 -0.025052 -0.079402 -0.024694     1.906 -0.026105 -0.080834
             -0.012300  0.053719  0.098348 -0.008092  0.194119  0.068357
.
.
24101      0  0.591619  0.192564    58.736     2.393   -31.581  0.055946
             -0.045403  0.064601 -0.117983  0.016377  0.127972 -0.099786
.
```

```
24101  2.300  0.591619  0.192564   -41.264     2.393   -26.489  0.498825
             -0.017266 -0.121199  0.082543     3.986  0.122747 -0.150985
.
.
24111      0  0.845021  0.372748    47.688     1.900    -9.497 -0.499438
             -0.002698  0.097533    -4.349     3.525  0.725904 -0.102993
.
24111  2.300  0.845021  0.372748   -52.312     1.900   -29.815  0.357847
              0.677035  0.226198     4.306     2.625    10.499  0.207123
.
.
24121      0  0.264057  0.263489    49.537  0.777385    -9.008 -0.348221
              0.234462  0.137733     6.875     2.288     4.287 -0.190705
.
24121  2.300  0.264057  0.263489   -50.463  0.777385   -25.073  0.257779
              0.234462  0.137733     6.875     2.288    20.100  0.126068
.
.
24131      0  0.084841  0.061767    57.371     1.430    -8.106 -0.075895
              0.036931  0.192456     2.942 -0.147593     4.073 -0.230592
.
24131  2.300  0.084841  0.061767   -42.629     1.430    -6.154  0.066163
              0.040025 -0.087308     6.499     1.250    15.553 -0.106616
.
.
24141      0  0.066775  0.033103    57.226  0.160361    -4.955 -0.037881
              0.021660 -0.121223     8.853     1.545     1.120  0.138803
.
24141  2.300  0.066775  0.033103   -42.774  0.160361    -3.336  0.038252
              0.021660 -0.121223     8.853     1.545    21.481 -0.139999
.
.
24151      0  0.059189  0.022006    58.689    -1.023    -7.873 -0.027226
              0.033038 -0.142241     9.097     1.484     4.570  0.164493
.
24151  2.300  0.059189  0.022006   -41.311    -1.023    -2.889  0.023386
              0.033038 -0.142241     9.097     1.484    25.492 -0.162650
.
.
24161      0  0.054049 -0.156172    57.433  0.726748    -8.109  0.179563
              0.035933  0.006441     9.656    -1.642     4.703 -0.010178
.
24161  2.300  0.054049 -0.156172   -42.567  0.726748    -6.013 -0.179617
              0.035933  0.006441     9.656    -1.642    26.911  0.004635
.
.
24171      0  0.075259 -0.170402    55.125 -0.654383    -5.236  0.199004
              0.035084 -0.020721     8.796    -1.652     1.121  0.026029
.
24171  2.300  0.075259 -0.170402   -44.875 -0.654383    -8.449 -0.192905
              0.035084 -0.020721     8.796    -1.652    21.352 -0.021627
.
.
24181      0  0.208061 -0.193685    54.255    -2.129    -8.363  0.250898
              0.044716 -0.256436 -0.520508 -0.359978     3.489  0.304412
.
24181  2.300  0.208061 -0.193685   -45.745    -2.129   -13.577 -0.194559
              0.130756 -0.050334     5.828    -1.401    13.875 -0.037029
.
```

```
.
24191       0  0.220837 -0.173843   47.955 -0.888194  -12.940  0.224572
               0.620291 -0.157771    2.666  -3.115     4.035  0.235650
.
24191   2.300  0.220837 -0.173843  -52.045 -0.888194  -32.644 -0.175250
               0.620291 -0.157771    2.666  -3.115    10.167 -0.127208
.
.
24201       0  0.126314  0.025199   78.011  0.063194  -34.493  0.000920
              -0.104355 -0.432853 -0.001271  0.000260  0.001043  0.439310
.
24201   2.300 -0.042414  0.025614  -50.007 -0.007286  -28.672  0.008042
              -0.004342  0.195771  0.368783 -0.003396  0.143065  0.210033
.
.
24211       0  0.033837  0.205234   76.859  -3.204  -29.357 -0.218651
               0.201673 -0.036817   -5.919  -6.842   10.972  0.053153
.
24211   2.300  0.281028  0.079554  -54.840   2.300  -28.253  0.088960
               0.158911  0.054134    4.426   4.775   12.311  0.065153
.
.
24221       0  0.102508  0.197021   74.264  -1.622  -24.717 -0.225461
               0.189995 -0.022990  -11.321  -5.872   21.504  0.021674
.
24221   2.300  0.190825  0.071609  -53.091   1.168  -23.731  0.071545
               0.128560  0.046028    7.548   4.118   22.815  0.049280
.
.
24231       0  0.085899  0.029920   53.639   2.782  -11.525 -0.037636
               0.079701 -0.190891   -7.335  -3.636   15.968  0.214101
.
24231   2.300  0.124567  0.007888  -35.414  -3.952  -16.840  0.002595
               0.058625  0.003912    5.149   2.495   18.446  0.002928
.
.
24241       0  0.059033  0.015268   54.110  0.912909  -8.911 -0.019188
               0.046413 -0.189643  -10.743  -3.098   22.033  0.217599
.
24241   2.300  0.079701  0.023900  -37.015  -1.296  -16.776  0.024156
               0.046080 -0.005459    7.515   2.142   24.525 -0.006813
.
.
24251       0  0.049152  0.003176   54.432 -0.962886  -9.418 -0.003871
               0.049757 -0.188266  -13.636  -2.022   26.997  0.219199
.
24251   2.300  0.063032  0.032881  -36.704   1.365  -16.447  0.037053
               0.046370 -0.015327    8.972   1.412   28.876 -0.016922
.
.
24261       0  0.061429 -0.027482   53.639  0.055173  -11.515  0.033856
               0.068322  0.039495  -14.144   3.317   28.474 -0.043988
.
24261   2.300  0.077655 -0.180857  -35.487 -0.075034  -16.879 -0.203272
               0.053690 -0.007755    9.320  -2.324   30.794 -0.007944
.
.
24271       0  0.095412 -0.044000   52.683  -1.800  -11.677  0.054760
               0.092377  0.050449  -10.676   4.392   21.913 -0.056004
.
24271   2.300  0.114636 -0.159622  -34.838   2.559  -17.024 -0.180576
               0.070780 -0.018823    7.517  -3.054   24.517 -0.019852
.
.
24281       0  0.148279 -0.063217   51.330  -3.609  -14.510  0.077541
               0.100362  0.087950   -6.699   4.927   14.266 -0.106780
.
24281   2.300  0.099913 -0.101243  -31.965   5.125  -16.476 -0.127818
               0.093822 -0.028345    4.806  -3.402   16.517 -0.031692
.
.
24291       0 -0.144280 -0.168584   78.891   1.107  -33.183  0.177362
              -0.065977  0.049586   -6.383   6.822   11.553 -0.087454
.
24291   2.300  0.090755 -0.032729  -55.672 -0.826138  -31.727 -0.037436
               0.187219 -0.065420    4.143  -4.798   12.290 -0.078111
.
.
24301       0 -0.050488 -0.027540   68.999  0.020993  -33.557  0.007645
               0.052656 -0.001232 -0.003697  -6.133  0.011969  0.033251
.
24301   2.300  0.106184  0.130536  -31.104  -3.416  -19.996  0.217355
              -0.073712  0.084315  0.150614  0.042143  0.195514  0.059992
.
.
24311       0  0.280328 -0.044868   69.407  -2.816  -28.741  0.048522
               0.148326 -0.062555   -5.443  -5.912   12.498  0.074302
.
24311   2.300  0.280328 -0.044868  -30.593  -2.816  -14.106 -0.054671
               0.073779 -0.040117   -1.797  -3.369   1.847 -0.043186
.
.
24321       0  0.188055 -0.049244   67.231  -1.443  -24.109  0.045898
               0.119945 -0.055218   -9.969  -5.092   23.664  0.060193
.
24321   2.300  0.188055 -0.049244  -32.769  -1.443  -14.479 -0.067358
               0.069760 -0.039908   -3.898  -3.298   3.197 -0.046694
.
.
24331       0  0.055347 -0.020923  0.441058  -3.826  -10.081  0.025009
               0.053463 -0.028379   -6.461  -3.097   18.523  0.031334
.
24331   2.300  0.081467 -0.035384   -41.113  -3.441  -12.877 -0.043586
               0.053463 -0.028379   -6.461  -3.097   3.664 -0.033935
.
.
24341       0  0.051803  0.006501  0.189227  -1.672  -10.997 -0.008122
               0.042723 -0.015043   -9.393  -2.641   24.745  0.016775
.
24341   2.300  0.056557 -0.017428   -42.367  -1.139  -11.552 -0.021606
               0.042723 -0.015043   -9.393  -2.641   3.141 -0.017824
.
.
24351       0  0.043968  0.028934 -0.594050  0.574986  -9.534 -0.033594
               0.043459 -0.001458  -11.817  -1.721   29.736  0.002341
.
24351   2.300  0.046416 -0.002111   -42.171   1.171  -11.378 -0.002736
               0.043459 -0.001458   -11.817  -1.721   2.558 -0.001012
```

```
.
.
24361       0  0.043119 -0.163499  0.439986  0.964134  -10.108  0.188613
               0.049723  0.012784  -12.288     2.859    31.653 -0.013819
.
24361   2.300  0.058656  0.013924  -41.118 -0.040291  -12.876  0.018235
               0.049723  0.012784  -12.288     2.859     3.392  0.015582
.
.
24371       0  0.064779 -0.132613    1.591     2.973  -11.536  0.156103
               0.066214  0.028960   -9.391     3.779    24.736 -0.031334
.
24371   2.300  0.093226  0.033532  -40.524     2.240  -13.370  0.042966
               0.066214  0.028960   -9.391     3.779     3.137  0.035271
.
.
24381       0  0.151773  0.057573   61.789     4.459  -11.643 -0.059898
               0.092789  0.045547   -5.987     4.230    16.593 -0.050371
.
24381   2.300  0.151773  0.057573  -38.211     4.459  -14.530  0.072515
               0.092789  0.045547   -5.987     4.230     2.824  0.054383
.
.
24391       0  0.109901  0.011434   71.101     1.002  -32.819 -0.011497
               0.207359  0.072073   -5.780     5.918    13.070 -0.083272
.
24391   2.300  0.109901  0.011434  -28.899     1.002  -14.288  0.014800
               0.108741  0.056979   -2.847     4.416    1.698  0.062828
.
.
24401       0 -0.049244 -0.026311  0.114641 -0.014030 -0.166362 -0.003055
              -0.130007  0.188879 -0.061974    -3.193  0.185936 -0.264350
.
24401   2.300 -0.046332  0.188957 -0.065606    -3.566 -0.036556  0.194390
               0.005639  0.058806  0.021902  0.063244  0.165716  0.088222
.
.
24411       0 -0.035024 -0.062120    3.681    -3.201    -7.902  0.083613
               0.045671 -0.066670   -1.180    -6.115     2.179  0.075518
.
24411   2.300  0.025237 -0.091573 -0.840702    -8.443    -1.197 -0.101854
              -0.035024 -0.062120    3.681    -3.201  0.565008 -0.059257
.
.
24421       0  0.030456 -0.085531    3.561    -2.275    -8.142  0.104137
               0.025783 -0.060028   -2.220    -5.518     3.968  0.068068
.
24421   2.300  0.032287 -0.085380   -1.264    -7.137    -2.448 -0.096763
               0.030456 -0.085531    3.561    -2.275  0.049475 -0.092575
.
.
24431       0  0.012726 -0.014958    2.919    -1.881    -7.434  0.019585
               0.015608 -0.038698   -2.905    -4.477     4.930  0.044286
.
24431   2.300  0.028129 -0.055971    1.389    -4.976    -1.981 -0.064328
              -0.015646  0.202119 -0.014397  0.054126  0.009193  0.230576
.
.
24441       0  0.018416 -0.005334    3.326    -1.011    -8.511  0.006166
               0.012386 -0.017253    -3.100    -2.979     4.721  0.019912
.
24441   2.300  0.020992 -0.028150     1.197    -2.220    -2.498 -0.032704
              -0.013175  0.230475  0.002335  0.073762  0.007894  0.263954
.
.
24451       0  0.016120  0.008879     3.460 -0.034592    -3.896 -0.010256
               0.014420  0.004068    -2.492    -1.025     2.679 -0.004226
.
24451   2.300  0.014420  0.004068    -2.492    -1.025    -3.053  0.005130
              -0.007436  0.219639  0.011249  0.069096  0.007044  0.251488
.
.
24461       0  0.017268  0.024527     3.515  0.968562    -3.887 -0.027629
               0.015334  0.018556    -2.978     3.246     3.612 -0.021323
.
24461   2.300  0.015334  0.018556    -2.978     3.246    -3.238  0.021355
              -0.009283 -0.205249  0.002462 -0.062557  0.006271 -0.234389
.
.
24471       0  0.024305  0.045081     2.930     1.900    -7.470 -0.050913
               0.020387  0.044464    -3.091     5.259     4.709 -0.050700
.
24471   2.300  0.020387  0.044464    -3.091     5.259    -2.400  0.051564
              -0.003793 -0.207176 -0.007486 -0.066774  0.007031 -0.234309
.
.
24481       0  0.037374  0.090898     2.710     6.161    -7.416 -0.107088
               0.033971  0.072975    -2.401     6.685     3.974 -0.082731
.
24481   2.300  0.033971  0.072975    -2.401     6.685    -1.549  0.085105
              -0.020549 -0.084928 -0.011076 -0.012333  0.011098 -0.094550
.
.
24491       0 -0.011241  0.016899     3.320     1.118    -6.523 -0.024094
               0.056382  0.088389    -1.288     7.517     2.230 -0.100888
.
24491   2.300  0.013450  0.095078 -0.060763     7.657    -1.433  0.102986
              -0.011241  0.016899     3.320     1.118     1.113  0.014773
.
.
24501       0  0.238654  0.254517    58.607    -1.201   -31.277 -0.353347
              -0.009587  0.007892 -0.083725 -0.000628  0.157820 -0.004539
.
24501   2.300  0.238654  0.254517   -41.393    -1.201   -26.482  0.232018
               0.007823  0.064957  0.002783    -8.761  0.053622  0.067667
.
.
24601       0 -0.044567  0.342322    77.843     1.528   -34.295 -0.322344
              -0.123719 -0.035243 -0.013249  0.000765  0.074379  0.112025
.
24601   2.300  0.028924  0.047877   -49.964    -1.130   -28.617  0.033372
               0.029670  0.349354  0.398169 -0.011146  0.106592  0.411457
.
.
24701       0  0.037099 -0.018770    68.932     1.369   -33.475 -0.007002
              -0.125837  0.180760 -0.038964 -0.011253  0.106125 -0.137125
.
24701   2.300  0.037099 -0.018770    -31.068     1.369   -19.934 -0.050172
```

		0.000923	0.364338	0.114687	-0.037386	0.149799	0.412530
.							
.							
24801	0	0.027558	0.014161	0.055916	7.760	-0.030922	-0.032393
		-0.028896	0.228142	-0.059295	3.301	0.183914	-0.256069
.							
24801	2.300	-0.022446	-0.058907	-0.028742	1.304	-0.028395	-0.060663
		0.005783	0.016313	0.065358	-0.013438	0.167461	0.010556
.							
.							
25101	0	0.577913	0.333481	58.841	2.246	-31.597	-0.166477
		-0.014771	0.055936	-0.075884	0.003014	0.133694	-0.069233
.							
25101	2.300	0.577913	0.333481	-41.159	2.246	-26.264	0.600498
		-0.019606	-0.099126	0.086734	3.194	0.129927	-0.123960
.							
.							
25111	0	0.890584	0.354662	47.689	1.850	-10.492	-0.460885
		-0.011215	0.071414	-4.389	2.840	0.374839	-0.075446
.							
25111	2.300	0.890584	0.354662	-52.311	1.850	-30.808	0.354806
		0.645499	0.221859	3.629	3.079	9.083	0.217222
.							
.							
25121	0	0.335311	0.224409	49.102	0.935040	-9.849	-0.303683
		0.255085	0.165816	5.376	2.660	4.661	-0.220279
.							
25121	2.300	0.335311	0.224409	-50.898	0.935040	-26.914	0.212438
		0.255085	0.165816	5.376	2.660	17.024	0.161083
.							
25131	0	0.086960	0.107889	56.118	1.766	-8.949	-0.130738
		0.058033	0.139241	1.749	0.133104	4.521	-0.173913
.							
25131	2.300	0.086960	0.107889	-43.882	1.766	-9.879	0.117398
		0.032976	0.060042	6.302	1.617	14.860	0.064641
.							
.							
25141	0	0.055908	0.086033	55.720	0.512568	-5.709	-0.099109
		0.014676	0.040458	8.172	1.652	1.040	-0.045934
.							
25141	2.300	0.055908	0.086033	-44.280	0.512568	-7.554	0.098760
		0.014676	0.040458	8.172	1.652	19.836	0.047117
.							
.							
25151	0	0.047227	0.082129	57.538	-0.691204	-8.800	-0.095383
		0.025884	0.029857	7.702	1.367	4.836	-0.032030
.							
25151	2.300	0.047227	0.082129	-42.462	-0.691204	-6.464	0.093507
		0.025884	0.029857	7.702	1.367	22.550	0.036639
.							
.							
25161	0	0.047608	0.029454	56.303	0.527435	-8.902	-0.031921
		0.027943	0.079710	8.301	-1.452	4.924	-0.093072
.							
25161	2.300	0.047608	0.029454	-43.697	0.527435	-9.406	0.035821
		0.027943	0.079710	8.301	-1.452	24.016	0.090253
.							
.							

25171	0	0.054487	0.037826	53.730	-0.782700	-5.713	-0.043731
		0.018244	0.006171	1.921	0.105386	5.048	-0.005598
.							
25171	2.300	0.054487	0.037826	-46.270	-0.782700	-12.134	0.043265
		0.015347	0.075116	3.179	-1.709	19.910	0.085713
.							
.							
25181	0	0.036209	0.049217	53.155	-2.131	-8.540	-0.060323
		0.002662	0.073783	5.653	-1.703	0.515434	-0.086694
.							
25181	2.300	0.030107	0.011920	-51.542	-0.744359	-26.293	0.013671
		0.002662	0.073783	5.653	-1.703	13.517	0.083000
.							
.							
25191	0	0.006712	0.024614	43.319	-1.727	-2.124	-0.033448
		-0.023972	0.057010	0.938307	-3.044	6.417	-0.074010
.							
25191	2.300	0.006712	0.024614	-56.681	-1.727	-32.490	0.023161
		-0.023972	0.057010	0.938307	-3.044	8.575	0.057107
.							
.							
25201	0	0.176247	0.263839	77.989	0.068492	-34.418	-0.252023
		0.015252	0.024054	-0.018699	2.440	0.013237	-0.020468
.							
25201	2.300	-0.040370	0.037117	-50.009	-0.006095	-28.679	0.026982
		0.054230	0.368363	0.306314	0.005429	0.115012	0.442170
.							
.							
25211	0	0.094276	0.238783	77.512	-2.645	-30.584	-0.265954
		0.142845	0.058100	-5.313	-5.803	9.511	-0.058645
.							
25211	2.300	0.279832	0.063976	-55.196	1.947	-29.627	0.072050
		0.127671	0.052664	3.853	4.175	10.112	0.062111
.							
.							
25221	0	0.118929	0.144902	75.355	-1.390	-26.780	-0.168503
		0.154300	0.054718	-9.983	-4.947	18.469	-0.065025
.							
25221	2.300	0.199129	0.061872	-53.791	1.042	-26.045	0.061113
		0.102708	0.047684	6.328	3.578	18.455	0.051751
.							
.							
25231	0	0.065736	0.036903	52.357	2.418	-14.276	-0.045205
		0.062261	0.033013	-7.469	-3.039	15.129	-0.040952
.							
25231	2.300	0.110160	0.077714	-33.724	-3.313	-17.014	0.084380
		0.032290	0.019450	5.080	2.191	15.803	0.021560
.							
.							
25241	0	0.039261	0.027722	52.612	0.828860	-12.006	-0.033576
		0.039140	0.040192	-10.391	-2.521	20.240	-0.047753
.							
25241	2.300	0.068346	0.092967	-35.163	-1.091	-16.991	0.103335
		0.021790	0.016142	7.043	1.831	20.683	0.017896
.							
.							
25251	0	0.023475	0.021454	53.238	-0.769780	-12.862	-0.025582
		0.031723	0.044419	-12.539	-1.550	24.030	-0.051370
.							

25251	2.300	0.042999	0.101811	-35.237	1.140	-17.030	0.114875
		0.014080	0.013586	7.852	1.148	23.743	0.015162
.							
.							
25261	0	0.008779	0.011641	52.373	-0.038311	-14.281	-0.013680
		0.026869	0.107134	-13.171	2.814	25.528	-0.124907
.							
25261	2.300	0.031723	0.050164	-33.905	0.112056	-16.994	0.057475
		0.014533	0.017681	8.233	-1.964	25.410	0.019866
.							
.							
25271	0	0.005438	0.010029	51.107	-1.611	-13.783	-0.011668
		0.013401	0.109548	-13.405	3.786	20.288	-0.127759
.							
25271	2.300	0.027518	0.057698	-32.935	2.304	-16.612	0.065168
		0.009462	0.015528	7.021	-2.648	20.665	0.017645
.							
.							
25281	0	0.008054	0.021230	75.503	1.512	-26.561	-0.025353
		-0.002439	0.107873	-6.789	4.301	13.648	-0.126362
.							
25281	2.300	0.001082	0.003028	-54.215	-1.074	-26.278	0.003496
		0.006970	0.013949	4.635	-3.004	14.092	0.016054
.							
.							
25291	0	-0.004502	0.022597	79.385	2.809	-32.217	-0.027773
		-0.018099	0.061400	-4.628	5.845	9.161	-0.074374
.							
25291	2.300	0.001479	0.002211	-57.794	-2.019	-31.658	0.002684
		0.004674	0.006888	2.621	-4.146	9.224	0.008210
.							
.							
25301	0	-0.054067	-0.014488	69.011	0.019456	-33.577	-0.004044
		0.043445	-0.002741	-0.015158	-5.364	0.034780	0.025331
.							
25301	2.300	0.103953	0.129110	-31.088	-2.853	-19.981	0.199985
		-0.118169	0.266117	0.116401	0.048140	0.147249	0.253012
.							
.							
25311	0	0.272071	-0.023848	70.015	-2.378	-30.272	0.025880
		0.120140	-0.046966	-4.790	-5.156	10.327	0.055180
.							
25311	2.300	0.272071	-0.023848	-29.985	-2.378	-14.241	-0.028967
		0.041271	-0.028381	-1.873	-3.029	0.907998	-0.031282
.							
.							
25321	0	0.193530	-0.041315	68.218	-1.281	-26.566	0.037883
		0.095774	-0.043866	-8.607	-4.414	19.384	0.047582
.							
25321	2.300	0.193530	-0.041315	-31.782	-1.281	-14.666	-0.057139
		0.038289	-0.024392	-3.968	-2.935	1.422	-0.028413
.							
.							
25331	0	0.036981	0.059233	1.228	-3.034	-10.274	-0.066502
		0.028355	-0.017715	-6.340	-2.707	15.906	0.019708
.							
25331	2.300	0.062035	-0.031266	-39.430	-2.985	-14.815	-0.038418
		0.028355	-0.017715	-6.340	-2.707	1.325	-0.021036
.							

.							
25341	0	0.039129	0.076541	1.130	-1.338	-11.357	-0.088216
		0.019169	-0.011569	-8.820	-2.244	20.947	0.012762
.							
25341	2.300	0.037627	-0.020337	-40.468	-1.030	-13.793	-0.024960
		0.019169	-0.011569	-8.820	-2.244	0.661865	-0.013846
.							
.							
25351	0	0.029710	0.089588	0.384084	0.444036	-10.099	-0.103875
		0.012491	-0.006880	-10.555	-1.384	24.693	0.007563
.							
25351	2.300	0.022062	-0.012493	-40.585	0.937960	-14.019	-0.015293
		0.012491	-0.006880	-10.555	-1.384	0.417937	-0.008259
.							
.							
25361	0	0.017707	0.047508	1.196	0.891178	-10.254	-0.055003
		0.012506	-0.006944	-11.065	2.418	26.362	0.007494
.							
25361	2.300	0.008108	-0.003696	-39.457	0.081746	-14.843	-0.004439
		0.012506	-0.006944	-11.065	2.418	0.914161	-0.008477
.							
.							
25371	0	0.011701	0.053328	2.205	2.462	-11.372	-0.061894
		0.007205	-0.002909	-8.797	3.279	20.923	0.003209
.							
25371	2.300	0.005450	-0.001729	-38.556	2.012	-14.660	-0.002041
		0.004360	0.001911	-1.887	0.984139	0.906061	0.001956
.							
.							
25381	0	0.001882	-0.000205	68.538	1.321	-26.729	0.000285
		0.005779	-7.33E-05	-5.751	3.737	14.164	0.000356
.							
25381	2.300	0.004488	-0.000541	-36.473	3.876	-15.258	-0.000483
		0.005779	-7.33E-05	-5.751	3.737	0.937406	0.000188
.							
.							
25391	0	0.002282	-0.000164	71.916	2.456	-31.673	0.000316
		0.006015	0.000156	-4.065	5.114	9.877	0.000271
.							
25391	2.300	0.002282	-0.000164	-28.084	2.456	-11.268	-6.15E-05
		0.009017	0.001537	-2.462	3.947	1.147	0.002576
.							
.							
25401	0	-0.025238	0.003151	0.076294	0.000550	-0.057228	-0.015416
		-0.130831	0.192775	-0.053758	-1.949	0.144833	-0.256866
.							
25401	2.300	-0.048328	0.178558	-0.068517	-2.805	-0.041052	0.186499
		-0.004799	-0.041207	0.060783	0.011188	0.143270	-0.045871
.							
.							
25411	0	-0.047078	-0.032160	3.627	-2.526	-7.593	0.045969
		0.009199	-0.044079	-0.778791	-5.005	1.275	0.051533
.							
25411	2.300	-0.014525	-0.061663	-0.418538	-6.772	-1.087	-0.066588
		-0.047078	-0.032160	3.627	-2.526	0.749753	-0.027995
.							
.							
25421	0	0.018995	-0.069737	3.623	-1.825	-8.043	0.085626
		0.010021	-0.039471	-1.435	-4.480	2.221	0.045671

```
.
25421   2.300  0.013595 -0.065051 -0.415594    -5.732    -2.166 -0.072181
               0.018995 -0.069737    3.623    -1.825  0.289454 -0.074763
.
.
25431       0  0.020551 -0.050856    2.382    -4.018    -7.042  0.058905
               0.007736 -0.029957   -1.829    -3.586     2.567  0.034440
.
25431   2.300  0.007736 -0.029957   -1.829    -3.586    -1.639 -0.034458
              -0.020224  0.117359 -0.014822  0.051896  0.007957  0.135366
.
.
25441       0  0.015474 -0.035636    2.424    -1.832    -7.569  0.040648
               0.004942 -0.020898   -1.860    -2.329     2.051  0.023995
.
25441   2.300  0.004942 -0.020898   -1.860    -2.329    -2.226 -0.024069
              -0.011052  0.120727 -0.001721  0.071550  0.006789  0.139142
.
.
25451       0  0.011812  0.053927    3.091  0.014741    -7.706 -0.062733
               0.010548 -0.017655 -0.717182  0.405563  0.739608  0.019530
.
25451   2.300  0.003343 -0.013857   -1.207 -0.726620    -2.744 -0.015840
              -0.005190  0.111773  0.004883  0.067632  0.006345  0.128396
.
.
25461       0  0.006980  0.059275    3.209  0.646471    -7.849 -0.068924
               0.003672 -0.008490 -0.836180  0.950735     1.200  0.009440
.
25461   2.300  0.003069 -0.016055   -1.545     2.561    -2.916 -0.018600
              -0.003490  0.106638  0.008813  0.064230  0.005717  0.122197
.
.
25471       0  0.003151 -0.006710    3.248    3.196    -8.893  0.007881
               0.000334 -0.010562   -1.833    4.223     2.045  0.012282
.
25471   2.300  0.000334 -0.010562   -1.833    4.223    -2.171 -0.012009
              -0.003624  0.103285  0.010052  0.061541  0.005086  0.118383
.
.
25481       0  0.002399 -0.001526    3.716    1.860    -8.594  0.001910
               0.000210 -0.006761   -1.313    5.426     1.824  0.008202
.
25481   2.300  0.000210 -0.006761   -1.313    5.426    -1.195 -0.007347
               0.000582  0.100607  0.009705  0.059631  0.005674  0.116466
.
.
25491       0  0.002107 -0.001823    4.430    2.565    -9.844  0.002059
               0.001253  0.010567 -0.150557  0.593313  0.343573 -0.011915
.
25491   2.300  0.002506 -0.003794    1.222    6.141 -0.290371 -0.003981
               0.003710 -0.003803  0.162035    6.147  0.547154 -0.003428
.
.
25501       0 -0.086266  0.070482  0.125678  0.151561 -0.158295 -0.087214
              -0.118135  0.045256   -3.787   -3.310     6.897 -0.061575
.
25501   2.300 -0.060315  0.024101   -61.855   -2.161   -40.034  0.020533
              -0.086266  0.070482  0.125678  0.151561  0.130753  0.074889
```



```
.
.
25601       0 -0.023121  0.018382    85.599     3.376   -40.897 -0.023129
               0.008030  0.004992    -2.902    -4.453     4.693 -0.005153
.
25601   2.300  0.003185  0.001498   -62.370    -2.435   -38.848  0.001986
              -0.054901  0.047794     4.503     6.278     5.814  0.050858
.
.
25701       0  0.003619 -0.000152    77.171     2.952   -39.333  0.000412
              -0.004381  0.000712 -2.26E-05 -3.92E-05  1.42E-05 -0.001264
.
25701   2.300  0.003619 -0.000152   -22.829     2.952    -6.844  6.28E-05
               0.010943  0.000274     3.470     5.490     5.077  0.001109
.
.
25801       0  0.000749 -0.001391     6.147     2.844   -11.500  0.001713
               0.005224  0.007466 -0.357664  0.606728     1.152 -0.008093
.
25801   2.300  0.002948  0.001608 -0.000138 -0.000111 -0.000191  0.002170
               0.013822 -0.001939     5.207     6.372     6.327 -0.000452
.
.
.ID GWS3KZ,STATIK2,1.58
.UN  M,KN
.EL !LHIP.030
.SK 3
.TP 12
.TK 6
ENVOLVENTE para < Vz > (y valores concomitantes)
(1. l¡nea: MIN., 2. l¡nea: MAX.)

Barra  Distancia        N         Vy         Vz         Mx         My         Mz
          [m]        [kN]       [kN]       [kN]       [kNm]      [kNm]      [kNm]
-------------------------------------------------------------------------------
 1101       0 -0.024635  0.002537    -5.452    -3.160     3.223 -0.001915
              -0.036142 -0.041306   116.058    -5.151     2.897 -0.065993
.
 1101   1.270 -0.024635  0.002537    -5.452    -3.160    -3.701  0.001308
              -0.036142 -0.041306   116.058    -5.151   150.284 -0.118449
.
.
 1102       0 -0.022184  0.001271 -0.065242    -3.540 -0.833879 -0.001366
               0.027252 -0.075857   112.802    -7.361   153.085 -0.198475
.
 1102   1.270 -0.022184  0.001271 -0.065242    -3.540 -0.916733  0.000248
               0.027252 -0.075857   112.802    -7.361   296.557 -0.294810
.
.
 1103       0  0.036204 -0.003472    -6.113     7.644   167.203 -0.175885
               0.088984 -0.059373   107.341   -12.429   298.712 -0.369752
.
 1103   1.270  0.036204 -0.003472    -6.113     7.644   159.440 -0.180295
               0.088984 -0.059373   107.341   -12.429   435.029 -0.445152
.
.
 1104       0  0.042394  0.014779    -8.033     2.596   159.334 -0.185887
               0.192507  0.008188    55.319    -3.557   252.167 -0.327717
.
```

1104	1.270	0.042394	0.014779	-8.033	2.596	149.132	-0.167118
		0.192507	0.008188	55.319	-3.557	322.420	-0.317318
1105	0	0.050287	0.023384	-12.226	1.701	148.573	-0.175545
		0.276589	0.022994	47.144	-4.600	323.802	-0.414037
1105	1.270	0.050287	0.023384	-12.226	1.701	133.048	-0.145848
		0.276589	0.022994	47.144	-4.600	383.673	-0.384836
1106	0	0.239699	0.094006	-62.312	10.876	494.597	-0.574362
		0.368314	0.046469	39.506	-9.420	384.764	-0.491184
1106	1.270	0.239699	0.094006	-62.312	10.876	415.464	-0.454980
		0.368314	0.046469	39.506	-9.420	434.934	-0.432171
1107	0	0.291627	0.121708	-70.573	5.967	413.726	-0.512827
		0.632586	0.081407	3.060	-0.251522	49.915	-0.115728
1107	1.270	0.291627	0.121708	-70.573	5.967	324.101	-0.353264
		0.632586	0.081407	3.060	-0.251522	53.801	-0.012346
1108	0	0.368813	0.166302	-78.658	4.932	322.104	-0.452419
		0.760619	0.110745	1.962	-0.917777	53.645	-0.165598
1108	1.270	0.368813	0.166302	-78.658	4.932	222.213	-0.241224
		0.760619	0.110745	1.962	-0.917777	56.137	-0.024957
1109	0	0.781909	0.482946	-123.340	14.474	321.312	-0.600271
		0.941286	0.264717	3.030	-4.683	55.709	-0.252743
1109	1.270	0.781909	0.482946	-123.340	14.474	164.676	0.013046
		0.941286	0.264717	3.030	-4.683	59.557	0.083435
1110	0	1.042	1.204	-124.868	9.989	161.352	-0.326767
		0.128262	0.038218	2.807	0.065701	-2.423	0.008481
1110	1.270	1.042	1.204	-124.868	9.989	2.776	1.202
		0.128262	0.038218	2.807	0.065701	1.141	0.057016
1201	0	0.116099	-0.001375	-0.007725	0.000162	6.88E-05	0.002359
		-0.030593	0.057221	203.811	0.863468	-5.532	-0.043654
1201	1.270	0.116099	-0.001375	-0.007725	0.000162	-0.009742	0.000613
		-0.030593	0.057221	203.811	0.863468	253.298	0.029014
1202	0	0.118155	-0.002355	-0.007723	0.000178	-0.009674	0.002905
		-0.066944	0.151556	167.067	3.199	184.230	-0.097182
1202	1.270	0.118155	-0.002355	-0.007723	0.000178	-0.019482	-8.55E-05
		-0.066944	0.151556	167.067	3.199	396.397	0.095286
1203	0	-0.023317	0.023911	-59.300	0.860097	332.546	-0.002456
		-0.047715	0.141114	182.590	1.963	388.983	-0.068155
1203	1.270	-0.023317	0.023911	-59.300	0.860097	257.238	0.027909
		-0.047715	0.141114	182.590	1.963	620.864	0.111052
1204	0	-0.011697	0.017408	-51.618	-0.196319	257.011	-0.011278
		0.024680	0.190172	85.407	1.849	227.471	-0.089296
1204	1.270	-0.011697	0.017408	-51.618	-0.196319	191.458	0.030829
		0.024680	0.190172	85.407	1.849	335.933	0.142213
1205	0	-0.004242	0.019291	-41.555	-0.322385	192.419	-0.006384
		0.062008	0.193788	103.989	1.452	331.919	-0.035579
1205	1.270	-0.004242	0.019291	-41.555	-0.322385	139.647	0.018114
		0.062008	0.193788	103.989	1.452	463.980	0.150523
1206	0	0.012134	0.092333	-143.378	-0.302373	662.913	-0.031213
		0.089465	0.203295	124.125	-0.032867	461.231	-0.053376
1206	1.270	0.012134	0.092333	-143.378	-0.302373	480.830	0.086046
		0.089465	0.203295	124.125	-0.032867	618.863	0.164799
1207	0	0.015836	0.117470	-121.996	-1.826	485.256	-0.041052
		0.363541	0.252810	16.679	0.364448	63.052	-0.117365
1207	1.270	0.015836	0.117470	-121.996	-1.826	330.326	0.108128
		0.363541	0.252810	16.679	0.364448	84.234	0.203690
1208	0	-0.016042	0.154527	-103.600	-2.242	335.984	-0.031105
		0.394185	0.266413	19.816	0.228981	84.350	-0.125947
1208	1.270	-0.016042	0.154527	-103.600	-2.242	204.418	0.165137
		0.394185	0.266413	19.816	0.228981	109.515	0.212384
1209	0	-0.033935	0.098179	-216.236	-2.159	520.080	-0.030605
		0.371948	0.221698	20.106	-0.900256	110.283	-0.166740
1209	1.270	-0.033935	0.098179	-216.236	-2.159	245.471	0.094077
		0.371948	0.221698	20.106	-0.900256	135.817	0.114806
1210	0	-0.192709	-0.478836	-209.419	-3.649	254.507	-0.271753
		0.192092	-0.571454	0.026895	-0.016338	0.146624	-0.136614
1210	1.270	-0.192709	-0.478836	-209.419	-3.649	-11.444	-0.879850
		0.192092	-0.571454	0.026895	-0.016338	0.180779	-0.862332
1301	0	0.114351	0.000986	-0.008144	1.57E-05	0.000102	-0.000877
		-0.028151	0.001557	196.692	0.486330	-5.382	-0.001576

1301	1.270	0.114351	0.000986	-0.008144	1.57E-05	-0.010241	0.000376
		-0.028151	0.001557	196.692	0.486330	244.407	0.000401
1302	0	0.115276	0.001068	-0.008166	1.80E-05	-0.010143	-0.000765
		-0.107975	0.010333	166.798	1.015	182.957	-0.007420
1302	1.270	0.115276	0.001068	-0.008166	1.80E-05	-0.020513	0.000592
		-0.107975	0.010333	166.798	1.015	394.782	0.005702
1303	0	-0.033755	0.003158	-55.771	0.952584	322.608	-0.002181
		-0.119287	0.010022	181.607	0.123676	386.795	-0.005875
1303	1.270	-0.033755	0.003158	-55.771	0.952584	251.781	0.001829
		-0.119287	0.010022	181.607	0.123676	617.427	0.006852
1304	0	-0.037945	0.003411	-47.756	0.106353	251.273	-0.001882
		-0.164328	0.012238	84.405	0.592299	235.477	-0.005165
1304	1.270	-0.037945	0.003411	-47.756	0.106353	190.625	0.002450
		-0.164328	0.012238	84.405	0.592299	342.667	0.010377
1305	0	-0.043344	0.002984	-38.769	-0.104679	191.283	-0.001121
		-0.189007	0.010010	100.234	0.329146	338.605	-0.003264
1305	1.270	-0.043344	0.002984	-38.769	-0.104679	142.048	0.002668
		-0.189007	0.010010	100.234	0.329146	465.896	0.009449
1306	0	-0.179752	0.007039	-139.671	0.375044	662.532	-0.001358
		-0.224074	0.008357	118.601	-0.620819	463.376	-0.002043
1306	1.270	-0.179752	0.007039	-139.671	0.375044	485.157	0.007581
		-0.224074	0.008357	118.601	-0.620819	613.993	0.008571
1307	0	-0.215641	0.004492	-120.362	-0.577207	489.537	0.001076
		-0.072703	0.014888	15.453	0.007062	61.200	-0.005937
1307	1.270	-0.215641	0.004492	-120.362	-0.577207	336.684	0.006781
		-0.072703	0.014888	15.453	0.007062	80.824	0.012970
1308	0	-0.264076	3.07E-05	-104.518	-0.839972	342.613	0.003709
		-0.097949	0.012712	18.742	-0.137143	80.895	-0.005210
1308	1.270	-0.264076	3.07E-05	-104.518	-0.839972	209.881	0.003748
		-0.097949	0.012712	18.742	-0.137143	104.697	0.010933
1309	0	-0.453289	-0.002487	-213.330	-0.307949	510.985	-0.004233
		-0.134557	0.004708	20.343	-0.794592	105.352	-0.008510
1309	1.270	-0.453289	-0.002487	-213.330	-0.307949	240.067	-0.007391
		-0.134557	0.004708	20.343	-0.794592	131.186	-0.002532
1310	0	-0.561469	-0.010378	-205.491	-1.157	249.284	-0.022799
		0.113605	-0.078338	0.308821	0.101582	-0.273030	-0.341255
1310	1.270	-0.561469	-0.010378	-205.491	-1.157	-11.679	-0.035980
		0.113605	-0.078338	0.308821	0.101582	0.119156	-0.440740
1401	0	-0.032213	0.028294	-1.284	1.949	1.636	-0.024039
		-0.096355	0.000261	94.158	11.297	-1.765	0.001953
1401	1.270	-0.032213	0.028294	-1.284	1.949	0.005225	0.011893
		-0.096355	0.000261	94.158	11.297	117.812	0.002283
1402	0	-0.072395	0.244666	-0.118136	0.098902	-0.127165	-0.166454
		-0.100777	-0.004487	89.246	12.709	116.175	0.006340
1402	1.270	-0.072395	0.244666	-0.118136	0.098902	-0.277192	0.144259
		-0.100777	-0.004487	89.246	12.709	229.513	0.000642
1403	0	-0.030721	-0.001410	-1.032	-2.269	127.483	0.001202
		-0.106741	-0.008506	80.927	13.830	228.186	0.008785
1403	1.270	-0.030721	-0.001410	-1.032	-2.269	126.172	-0.000589
		-0.106741	-0.008506	80.927	13.830	330.959	-0.002018
1404	0	-0.032161	-0.002282	-6.143	-0.497371	125.422	0.002258
		-0.138619	-0.013364	44.453	6.227	188.776	0.015482
1404	1.270	-0.032161	-0.002282	-6.143	-0.497371	117.622	-0.000641
		-0.138619	-0.013364	44.453	6.227	245.229	-0.001490
1405	0	-0.034115	-0.004584	-10.716	-1.023	116.993	0.004320
		-0.147566	-0.023274	37.517	4.837	245.147	0.024130
1405	1.270	-0.034115	-0.004584	-10.716	-1.023	103.384	-0.001501
		-0.147566	-0.023274	37.517	4.837	292.791	-0.005427
1406	0	-0.129261	-0.028967	-46.185	-8.152	373.438	0.024368
		-0.159494	-0.038401	28.201	5.222	293.450	0.037890
1406	1.270	-0.129261	-0.028967	-46.185	-8.152	314.784	-0.012418
		-0.159494	-0.038401	28.201	5.222	329.264	-0.010878
1407	0	-0.140882	-0.046480	-55.716	-7.876	314.927	0.036115
		-0.064322	-0.009631	2.272	0.076497	39.699	0.019149
1407	1.270	-0.140882	-0.046480	-55.716	-7.876	244.170	-0.022913
		-0.064322	-0.009631	2.272	0.076497	42.585	0.006918
1408	0	-0.156101	-0.073921	-62.663	-9.258	245.110	0.048347

		-0.074657	-0.034019	0.435112	0.065604	42.865	0.031709
1408	1.270	-0.156101	-0.073921	-62.663	-9.258	165.531	-0.045529
		-0.074657	-0.034019	0.435112	0.065604	43.417	-0.011493
1409	0	-0.220269	-0.225379	-95.145	-15.572	244.999	0.083697
		-0.496633	0.411653	0.209501	0.106692	-0.488307	-0.214999
1409	1.270	-0.220269	-0.225379	-95.145	-15.572	124.170	-0.202523
		-0.496633	0.411653	0.209501	0.106692	-0.222251	0.307780
1410	0	-0.230861	-0.420611	-100.124	-14.053	125.174	-0.075475
		-0.505682	0.229896	1.333	-0.009421	-1.137	-0.407774
1410	1.270	-0.230861	-0.420611	-100.124	-14.053	-1.979	-0.609630
		-0.505682	0.229896	1.333	-0.009421	0.555642	-0.115817
1501	0	-0.122134	0.056271	-10.623	1.421	2.058	-0.034876
		-0.113909	-0.006502	1.457	5.240	5.195	0.000272
1501	1.270	-0.122134	0.056271	-10.623	1.421	-11.433	0.036585
		-0.113909	-0.006502	1.457	5.240	7.045	-0.007986
1502	0	-0.162929	0.049814	-9.275	1.529	-9.477	-0.011270
		-0.110835	-0.010309	1.479	5.761	12.076	-0.005219
1502	1.270	-0.162929	0.049814	-9.275	1.529	-21.256	0.051991
		-0.110835	-0.010309	1.479	5.761	13.954	-0.018311
1503	0	-0.206632	0.048203	-7.127	1.351	-19.584	0.001778
		-0.021789	-0.004135	2.219	2.934	-2.159	0.003488
1503	1.270	-0.206632	0.048203	-7.127	1.351	-28.636	0.062992
		-0.021789	-0.004135	2.219	2.934	0.658939	-0.001764
1504	0	-0.250002	0.044443	-4.578	0.901540	-27.396	0.013632
		-0.019940	-0.005336	2.538	1.518	1.697	0.000201
1504	1.270	-0.250002	0.044443	-4.578	0.901540	-33.210	0.070073
		-0.019940	-0.005336	2.538	1.518	4.921	-0.006576
1505	0	-0.079678	-0.013801	-3.488	1.079	22.551	-0.010325
		-0.059738	-0.016064	2.349	1.349	15.711	-0.008077
1505	1.270	-0.079678	-0.013801	-3.488	1.079	18.122	-0.027851
		-0.059738	-0.016064	2.349	1.349	18.694	-0.028477
1506	0	-0.055168	-0.022545	-4.704	-1.659	18.851	0.000881
		-0.041792	-0.021886	4.115	-0.596443	18.216	-0.007869
1506	1.270	-0.055168	-0.022545	-4.704	-1.659	12.876	-0.027750
		-0.041792	-0.021886	4.115	-0.596443	23.441	-0.035664
1507	0	-0.017032	-0.040923	-2.328	-3.229	11.702	0.016679
		-0.352778	0.013029	4.629	-0.714837	-33.254	0.033479
1507	1.270	-0.017032	-0.040923	-2.328	-3.229	8.746	-0.035290
		-0.352778	0.013029	4.629	-0.714837	-27.376	0.050025
1508	0	-0.015994	-0.021817	-0.901045	-0.885311	0.702661	0.010194
		-0.377537	0.007009	7.351	-1.144	-28.509	0.019911
1508	1.270	-0.015994	-0.021817	-0.901045	-0.885311	-0.441621	-0.017512
		-0.377537	0.007009	7.351	-1.144	-19.173	0.028813
1509	0	0.072865	-0.052434	-0.777376	-7.177	15.426	0.005733
		-0.409109	0.039140	9.282	-1.483	-20.787	-0.013972
1509	1.270	0.072865	-0.052434	-0.777376	-7.177	14.438	-0.060855
		-0.409109	0.039140	9.282	-1.483	-8.999	0.035734
1510	0	0.126787	-0.058097	-1.593	-7.864	8.322	-0.000348
		-0.464111	0.154321	10.257	-1.664	-10.927	-0.035830
1510	1.270	0.126787	-0.058097	-1.593	-7.864	6.300	-0.074128
		-0.464111	0.154321	10.257	-1.664	2.099	0.160150
2101	0	-0.261137	-0.123242	-2.794	-2.487	3.805	0.191571
		0.194714	-0.960849	121.061	-6.359	1.547	1.180
2101	1.390	-0.261137	-0.123242	-2.794	-2.487	-0.078227	0.020271
		0.194714	-0.960849	121.061	-6.359	169.815	-0.155893
2102	0	2.006	-0.142922	-0.501990	-0.356434	-0.641611	0.219500
		0.085173	-0.392940	116.752	-6.953	172.445	0.020849
2102	1.390	2.006	-0.142922	-0.501990	-0.356434	-1.339	0.020847
		0.085173	-0.392940	116.752	-6.953	334.724	-0.525316
2103	0	-0.177710	-0.193727	-6.023	6.078	191.788	-0.110135
		-0.063424	-0.213135	109.877	-11.239	337.020	-0.328795
2103	1.390	-0.177710	-0.193727	-6.023	6.078	183.417	-0.379405
		-0.063424	-0.213135	109.877	-11.239	489.743	-0.625041
2104	0	-0.422829	-0.171625	-8.966	2.005	183.269	-0.091856
		0.323650	-0.026547	57.720	-3.300	283.637	-0.331765
2104	1.390	-0.422829	-0.171625	-8.966	2.005	170.808	-0.330405
		0.323650	-0.026547	57.720	-3.300	363.864	-0.368664

2105	0	-0.651248	-0.170023	-13.597	1.380	170.251	-0.070289
		0.375764	-0.004882	48.871	-4.419	365.413	-0.429375
2105	1.390	-0.651248	-0.170023	-13.597	1.380	151.352	-0.306611
		0.375764	-0.004882	48.871	-4.419	433.342	-0.436161
2106	0	-0.377738	-0.016070	-63.409	9.702	556.742	-0.564760
		0.447235	0.028347	39.771	-8.988	434.828	-0.519893
2106	1.390	-0.377738	-0.016070	-63.409	9.702	468.608	-0.587096
		0.447235	0.028347	39.771	-8.988	490.108	-0.480493
2107	0	-0.453725	0.019696	-73.061	4.999	466.962	-0.498372
		1.910	0.159293	3.064	-0.315082	56.827	-0.130665
2107	1.390	-0.453725	0.019696	-73.061	4.999	365.411	-0.470996
		1.910	0.159293	3.064	-0.315082	61.085	0.090744
2108	0	-0.490391	0.067935	-81.860	3.878	363.754	-0.434764
		2.123	0.173945	1.548	-0.818901	61.033	-0.156447
2108	1.390	-0.490391	0.067935	-81.860	3.878	249.974	-0.340339
		2.123	0.173945	1.548	-0.818901	63.185	0.085327
2109	0	0.832260	0.434878	-127.039	12.726	362.330	-0.612185
		2.369	0.278392	2.069	-4.308	62.826	-0.214896
2109	1.390	0.832260	0.434878	-127.039	12.726	185.753	-0.007729
		2.369	0.278392	2.069	-4.308	65.701	0.172053
2110	0	1.104	1.165	-129.706	8.690	182.630	-0.376127
		0.112748	0.042980	2.321	0.331332	-1.794	0.003930
2110	1.390	1.104	1.165	-129.706	8.690	2.347	1.244
		0.112748	0.042980	2.321	0.331332	1.432	0.063670
2201	0	0.339555	0.039265	-0.015263	-0.000141	0.102895	-0.084738
		-0.757375	0.578913	194.439	1.713	-7.354	-0.747857
2201	1.390	0.339555	0.039265	-0.015263	-0.000141	0.081680	-0.030163
		-0.757375	0.578913	194.439	1.713	262.906	0.056800
2202	0	0.285836	0.067586	-0.016430	0.022593	0.061255	-0.041771
		-1.021	-0.183833	159.012	3.915	185.496	0.416076
2202	1.390	0.285836	0.067586	-0.016430	0.022593	0.038418	0.052169
		-1.021	-0.183833	159.012	3.915	406.514	0.160558
2203	0	-0.632415	-0.550121	-59.459	0.899482	346.130	0.514573
		-0.903219	-0.252063	177.207	2.510	398.365	0.332062
2203	1.390	-0.632415	-0.550121	-59.459	0.899482	263.485	-0.250065
		-0.903219	-0.252063	177.207	2.510	644.673	-0.018292
2204	0	-0.695365	-0.508808	-49.871	-0.258988	263.425	0.382420
		-0.365675	0.113594	80.446	1.998	229.640	0.007826
2204	1.390	-0.695365	-0.508808	-49.871	-0.258988	194.108	-0.324794
		-0.365675	0.113594	80.446	1.998	341.456	0.165715
2205	0	-0.787818	-0.472955	-38.990	-0.515162	195.299	0.313872
		-0.310147	0.143570	100.042	1.446	336.816	-0.016405
2205	1.390	-0.787818	-0.472955	-38.990	-0.515162	141.105	-0.343510
		-0.310147	0.143570	100.042	1.446	475.869	0.183150
2206	0	-0.898121	-0.182305	-140.375	-0.810748	687.802	0.162654
		-0.276887	0.160202	122.773	-0.059177	472.369	-0.019429
2206	1.390	-0.898121	-0.182305	-140.375	-0.810748	492.688	-0.090740
		-0.276887	0.160202	122.773	-0.059177	643.017	0.203242
2207	0	-0.944113	-0.155559	-116.573	-2.374	497.640	0.134419
		1.054	0.437349	16.534	0.292564	63.870	-0.130840
2207	1.390	-0.944113	-0.155559	-116.573	-2.374	335.610	-0.081800
		1.054	0.437349	16.534	0.292564	86.852	0.477050
2208	0	-1.035	-0.105314	-97.100	-2.935	341.646	0.107551
		1.134	0.455951	20.503	0.169916	86.838	-0.106007
2208	1.390	-1.035	-0.105314	-97.100	-2.935	206.683	-0.038829
		1.134	0.455951	20.503	0.169916	115.335	0.527739
2209	0	-0.437551	0.127529	-208.123	-2.988	543.358	0.071008
		1.155	0.419254	21.869	-0.828271	116.087	-0.050283
2209	1.390	-0.437551	0.127529	-208.123	-2.988	254.079	0.248266
		1.155	0.419254	21.869	-0.828271	146.484	0.532457
2210	0	-0.682869	-0.436645	-199.074	-4.373	264.003	-0.023607
		0.207689	-0.036167	0.008166	0.001048	0.006346	-0.007596
2210	1.390	-0.682869	-0.436645	-199.074	-4.373	-12.699	-0.630519
		0.207689	-0.036167	0.008166	0.001048	0.017696	-0.057866
2301	0	0.767147	-0.808910	-0.271529	-0.084974	0.079786	1.634
		-1.133	-0.056378	188.091	-0.041364	-7.308	0.056175
2301	1.390	0.767147	-0.808910	-0.271529	-0.084974	-0.297624	0.509964
		-1.133	-0.056378	188.091	-0.041364	254.129	-0.022186

2302	0	0.299953	-0.041162	-0.076647	-0.008525	-0.111675	0.051817
		-1.530	-0.002225	158.204	1.104	182.275	0.010189
2302	1.390	0.299953	-0.041162	-0.076647	-0.008525	-0.218211	-0.005395
		-1.530	-0.002225	158.204	1.104	402.169	0.007096
2303	0	-0.892014	-0.022787	-56.479	0.826375	335.150	0.011191
		-1.423	-0.000934	175.722	0.255220	392.969	0.004553
2303	1.390	-0.892014	-0.022787	-56.479	0.826375	256.647	-0.020481
		-1.423	-0.000934	175.722	0.255220	637.213	0.003254
2304	0	-0.818165	-0.023267	-46.518	0.046422	256.251	0.013192
		-1.073	0.011497	79.661	0.615082	234.818	-0.001230
2304	1.390	-0.818165	-0.023267	-46.518	0.046422	191.594	-0.019148
		-1.073	0.011497	79.661	0.615082	345.543	0.014750
2305	0	-0.780019	-0.024838	-36.608	-0.143594	192.481	0.014612
		-1.061	0.007674	96.564	0.395501	340.765	0.001626
2305	1.390	-0.780019	-0.024838	-36.608	-0.143594	141.598	-0.019912
		-1.061	0.007674	96.564	0.395501	474.983	0.012293
2306	0	-1.308	-0.009931	-136.445	0.223905	683.091	0.011311
		-1.073	0.004797	117.356	-0.465110	471.859	0.003600
2306	1.390	-1.308	-0.009931	-136.445	0.223905	493.441	-0.002493
		-1.073	0.004797	117.356	-0.465110	634.977	0.010268
2307	0	-1.326	-0.013418	-114.839	-0.635133	498.616	0.013990
		-0.208840	0.025065	15.288	0.020480	61.868	-0.008154
2307	1.390	-1.326	-0.013418	-114.839	-0.635133	338.997	-0.004660
		-0.208840	0.025065	15.288	0.020480	83.117	0.026685
2308	0	-1.369	-0.019088	-97.932	-0.853915	345.825	0.017148
		-0.235194	0.023798	19.295	-0.106697	83.129	-0.006414
2308	1.390	-1.369	-0.019088	-97.932	-0.853915	209.705	-0.009363
		-0.235194	0.023798	19.295	-0.106697	109.948	0.026664
2309	0	-1.301	-0.007391	-205.140	-0.455421	532.217	0.006368
		-0.278109	0.020546	21.880	-0.718249	110.655	-0.004954
2309	1.390	-1.301	-0.007391	-205.140	-0.455421	247.084	-0.003904
		-0.278109	0.020546	21.880	-0.718249	141.067	0.023604
2310	0	-1.433	-0.014893	-195.218	-1.236	257.790	-0.006544
		0.221265	0.523191	0.311344	0.086077	-0.334973	-0.061115
2310	1.390	-1.433	-0.014893	-195.218	-1.236	-13.552	-0.027244
		0.221265	0.523191	0.311344	0.086077	0.097778	0.666090
2401	0	-0.409552	-0.649285	-0.250669	-0.105091	0.081406	1.418
		-1.327	0.327720	94.786	14.442	-4.021	-0.427313
2401	1.390	-0.409552	-0.649285	-0.250669	-0.105091	-0.267009	0.515314
		-1.327	0.327720	94.786	14.442	127.727	0.028200
2402	0	-0.343408	-0.571664	-0.166351	-0.105802	-0.232581	0.764102
		-1.299	0.197575	90.186	13.685	125.202	-0.169009
2402	1.390	-0.343408	-0.571664	-0.166351	-0.105802	-0.463799	-0.030478
		-1.299	0.197575	90.186	13.685	250.555	0.105610
2403	0	-0.755967	0.100036	-1.648	-1.396	142.048	-0.041851
		-1.266	0.106156	81.478	13.962	248.515	-0.063679
2403	1.390	-0.755967	0.100036	-1.648	-1.396	139.757	0.097193
		-1.266	0.106156	81.478	13.962	361.765	0.083873
2404	0	-0.724679	0.031588	-7.378	-0.330438	138.770	0.002297
		-1.015	0.038735	45.638	6.629	200.423	-0.013508
2404	1.390	-0.724679	0.031588	-7.378	-0.330438	128.516	0.046202
		-1.015	0.038735	45.638	6.629	263.858	0.040333
2405	0	-0.706264	0.000163	-11.980	-1.114	127.780	0.012660
		-1.012	0.008072	39.344	5.048	263.522	0.009539
2405	1.390	-0.706264	0.000163	-11.980	-1.114	111.129	0.012887
		-1.012	0.008072	39.344	5.048	318.207	0.020758
2406	0	-1.230	-0.014971	-47.224	-7.982	406.455	0.022579
		-1.017	-0.020934	30.019	4.925	318.905	0.031309
2406	1.390	-1.230	-0.014971	-47.224	-7.982	340.816	0.001771
		-1.017	-0.020934	30.019	4.925	360.630	0.002211
2407	0	-1.235	-0.049017	-56.533	-8.203	341.200	0.044608
		-0.241795	0.001752	2.663	0.072703	43.547	0.015443
2407	1.390	-1.235	-0.049017	-56.533	-8.203	262.623	-0.023523
		-0.241795	0.001752	2.663	0.072703	47.248	0.017879
2408	0	-1.249	-0.093892	-62.834	-9.776	264.100	0.066336
		-0.255230	-0.020264	0.564467	-0.089391	47.621	0.032400
2408	1.390	-1.249	-0.093892	-62.834	-9.776	176.765	-0.064169
		-0.255230	-0.020264	0.564467	-0.089391	48.406	0.004234

2409	0	-1.085	-0.222754	-96.334	-15.822	271.021	0.113513
		-1.243	0.608092	0.216788	0.095103	-0.601109	-0.178956
2409	1.390	-1.085	-0.222754	-96.334	-15.822	137.122	-0.196103
		-1.243	0.608092	0.216788	0.095103	-0.299786	0.666257
2410	0	-1.109	-0.406495	-102.052	-14.752	138.855	-0.013617
		-1.581	0.355053	0.905352	-0.266139	-0.612008	-0.044458
2410	1.390	-1.109	-0.406495	-102.052	-14.752	-2.992	-0.578622
		-1.581	0.355058	0.905352	-0.266139	0.646380	0.449052
2501	0	-1.540	0.003414	-11.672	2.644	3.190	0.099191
		-0.563911	0.119691	6.224	7.352	6.132	-0.158498
2501	1.390	-1.540	0.003414	-11.672	2.644	-13.033	0.103937
		-0.563911	0.119691	6.224	7.352	14.783	0.007866
2502	0	-1.596	0.013425	-10.360	2.453	-9.999	0.049641
		-0.638078	0.064834	5.045	6.818	20.898	-0.078952
2502	1.390	-1.596	0.013425	-10.360	2.453	-24.399	0.068301
		-0.638078	0.064834	5.045	6.818	27.910	0.011164
2503	0	-1.588	-0.018746	-7.930	2.055	-21.321	0.077986
		-0.421615	0.066381	3.362	2.900	3.205	-0.055794
2503	1.390	-1.588	-0.018746	-7.930	2.055	-32.343	0.051931
		-0.421615	0.066381	3.362	2.900	7.877	0.036471
2504	0	-1.543	-0.046986	-5.011	1.334	-30.963	0.101791
		-0.475360	0.027238	3.285	1.426	9.087	-0.025909
2504	1.390	-1.543	-0.046986	-5.011	1.334	-37.927	0.036483
		-0.475360	0.027238	3.285	1.426	13.654	0.011951
2505	0	-0.750921	0.005571	-3.180	1.521	44.699	-0.046819
		-0.893350	0.006815	3.019	1.373	40.478	-0.049010
2505	1.390	-0.750921	0.005571	-3.180	1.521	40.278	-0.039076
		-0.893350	0.006815	3.019	1.373	44.674	-0.039537
2506	0	-0.743975	-0.008808	-5.673	-1.532	44.303	-0.030728
		-0.895457	-0.009438	3.484	-0.998384	44.002	-0.042259
2506	1.390	-0.743975	-0.008808	-5.673	-1.532	33.419	-0.042971
		-0.895457	-0.009438	3.484	-0.998384	48.846	-0.055377
2507	0	-0.713268	-0.031050	-4.292	-3.521	32.065	-0.006977
		-1.291	-0.098795	5.290	-1.269	-37.726	0.117595
2507	1.390	-0.713268	-0.031050	-4.292	-3.521	26.099	-0.050135
		-1.291	-0.098795	5.290	-1.269	-30.373	-0.019725
2508	0	-0.829148	-0.043800	-2.585	-6.636	41.043	-0.013183
		-1.185	-0.108023	8.220	-2.000	-32.272	0.098334
2508	1.390	-0.829148	-0.043800	-2.585	-6.636	37.451	-0.074062
		-1.185	-0.108023	8.220	-2.000	-20.847	-0.051813
2509	0	-0.757999	-0.073518	-4.987	-8.185	30.765	0.008449
		-1.095	-0.072358	10.262	-2.563	-23.498	0.042407
2509	1.390	-0.757999	-0.073518	-4.987	-8.185	23.834	-0.093736
		-1.095	-0.072358	10.262	-2.563	-9.234	-0.058166
2510	0	-0.677950	-0.120583	-6.274	-8.917	16.317	-0.001262
		-1.074	0.065061	11.281	-2.855	-12.370	-0.045994
2510	1.390	-0.677950	-0.120583	-6.274	-8.917	7.596	-0.168866
		-1.074	0.065061	11.281	-2.855	3.311	0.044437
3101	0	3.243	0.027308	-0.885399	-0.291085	0.399535	0.043341
		1.032	-1.033	129.273	-3.883	-0.607306	1.277
3101	1.640	3.243	0.027308	-0.885399	-0.291085	-1.052	0.088124
		1.032	-1.033	129.273	-3.883	211.392	-0.416737
3102	0	2.433	-0.021761	-0.428916	-0.373847	-0.610186	0.134015
		0.776197	-0.362221	123.959	-4.437	212.479	-0.038471
3102	1.640	2.433	-0.021761	-0.428916	-0.373847	-1.314	0.098328
		0.776197	-0.362221	123.959	-4.437	415.764	-0.633489
3103	0	1.287	-0.156962	-4.196	5.615	235.997	-0.116464
		0.599954	-0.192567	114.620	-8.319	416.851	-0.404240
3103	1.640	1.287	-0.156962	-4.196	5.615	229.116	-0.373871
		0.599954	-0.192567	114.620	-8.319	604.821	-0.720037
3104	0	1.055	-0.135004	-9.342	2.225	228.266	-0.104453
		0.304167	-0.008894	61.978	-2.368	345.913	-0.417485
3104	1.640	1.055	-0.135004	-9.342	2.225	212.946	-0.325852
		0.304167	-0.008894	61.978	-2.368	447.553	-0.432071
3105	0	0.845878	-0.125442	-15.086	1.631	211.849	-0.088697
		0.398715	0.013794	52.446	-3.938	448.962	-0.540738
3105	1.640	0.845878	-0.125442	-15.086	1.631	187.109	-0.294413

		0.398715	0.013794	52.446	-3.938	534.970	-0.518116
3106	0	0.365483	0.025298	-65.372	8.279	685.050	-0.704260
		0.514752	0.048811	41.145	-8.360	537.020	-0.652985
3106	1.640	0.365483	0.025298	-65.372	8.279	577.024	-0.662772
		0.514752	0.048811	41.145	-8.360	604.494	-0.572939
3107	0	0.319014	0.063204	-77.561	3.646	575.521	-0.606794
		1.898	0.175446	3.292	-0.495731	71.170	-0.172742
3107	1.640	0.319014	0.063204	-77.561	3.646	448.327	-0.503143
		1.898	0.175446	3.292	-0.495731	76.569	0.114978
3108	0	0.310826	0.099530	-87.025	2.078	447.552	-0.495250
		2.160	0.182992	1.041	-0.800717	76.782	-0.184119
3108	1.640	0.310826	0.099530	-87.025	2.078	304.838	-0.332027
		2.160	0.182992	1.041	-0.800717	78.489	0.115976
3109	0	1.026	0.392290	-133.542	9.746	448.888	-0.685641
		3.446	0.085355	0.440302	0.361956	-1.320	0.093548
3109	1.640	1.026	0.392290	-133.542	9.746	229.887	-0.042312
		3.446	0.085355	0.440302	0.361956	-0.597575	0.233525
3110	0	1.333	1.111	-138.309	6.394	227.735	-0.482611
		0.068184	0.052112	1.165	0.818895	0.134529	-0.010584
3110	1.640	1.333	1.111	-138.309	6.394	0.917849	1.340
		0.068184	0.052112	1.165	0.818895	2.045	0.074876
3201	0	0.555361	0.044158	-0.013022	-0.000163	0.103023	-0.080800
		0.071749	0.458225	185.842	2.628	-9.222	-0.689169
3201	1.640	0.555361	0.044158	-0.013022	-0.000163	0.081668	-0.008384
		0.071749	0.458225	185.842	2.628	295.547	0.062289
3202	0	0.228746	0.054148	-0.019734	0.021492	0.066768	-0.031940
		-0.705469	-0.193132	144.861	5.679	194.782	0.430766
3202	1.640	0.228746	0.054148	-0.019734	0.021492	0.034405	0.056859
		-0.705469	-0.193132	144.861	5.679	432.344	0.114042
3203	0	0.334857	-0.442703	-62.130	1.115	383.543	0.559431
		-0.543356	-0.165636	167.582	4.145	423.415	0.308391
3203	1.640	0.334857	-0.442703	-62.130	1.115	281.655	-0.166572
		-0.543356	-0.165636	167.582	4.145	698.239	0.036760
3204	0	0.263267	-0.393911	-48.211	0.020464	282.368	0.457452
		-0.492769	0.178685	71.762	2.746	244.586	-0.044180
3204	1.640	0.263267	-0.393911	-48.211	0.020464	203.305	-0.188536
		-0.492769	0.178685	71.762	2.746	362.270	0.248852
3205	0	0.160062	-0.373327	-35.297	-0.398944	205.319	0.419219
		-0.421100	0.200460	91.947	1.736	356.744	-0.051484
3205	1.640	0.160062	-0.373327	-35.297	-0.398944	147.434	-0.193013
		-0.421100	0.200460	91.947	1.736	507.531	0.277258
3206	0	-0.531969	-0.110856	-134.344	-1.375	746.049	0.212704
		-0.370311	0.212332	118.391	-0.056989	502.685	-0.049220
3206	1.640	-0.531969	-0.110856	-134.344	-1.375	525.733	0.030907
		-0.370311	0.212332	118.391	-0.056989	696.839	0.298991
3207	0	-0.575926	-0.087374	-107.285	-3.286	531.742	0.185242
		-0.341785	0.222202	16.514	-1.537	694.884	-0.042987
3207	1.640	-0.575926	-0.087374	-107.285	-3.286	355.802	0.041954
		-0.341785	0.222202	16.514	-1.537	721.969	0.321409
3208	0	-0.661910	-0.028423	-87.237	-4.303	362.410	0.156055
		1.132	0.491198	21.163	0.014135	91.628	-0.184570
3208	1.640	-0.661910	-0.028423	-87.237	-4.303	219.347	0.109443
		1.132	0.491198	21.163	0.014135	126.334	0.620962
3209	0	-0.486319	0.262875	-194.639	-4.731	590.887	0.072936
		1.195	0.480068	24.817	-0.813067	126.952	-0.099271
3209	1.640	-0.486319	0.262875	-194.639	-4.731	271.691	0.504033
		1.195	0.480068	24.817	-0.813067	167.650	0.688010
3210	0	-0.846141	-0.326473	-181.489	-6.057	282.976	0.336231
		0.534816	-0.509507	0.024078	-0.016230	0.141746	0.091207
3210	1.640	-0.846141	-0.326473	-181.489	-6.057	-14.654	-0.199163
		0.534816	-0.509507	0.024078	-0.016230	0.181233	-0.744350
3301	0	0.268722	-0.797253	-0.255028	-0.057366	0.138516	1.444
		-1.190	-0.024776	178.841	0.227827	-9.534	0.019227
3301	1.640	0.268722	-0.797253	-0.255028	-0.057366	-0.279712	0.136650
		-1.190	-0.024776	178.841	0.227827	283.754	-0.021404
3302	0	0.199302	-0.032341	-0.063225	-0.008247	-0.129685	0.045117
		-1.780	0.014929	142.229	1.186	184.929	-0.003275

3302	1.640	0.199302	-0.032341	-0.063225	-0.008247	-0.233369	-0.007920
		-1.780	0.014929	142.229	1.186	418.176	0.021207
3303	0	-0.860515	-0.015081	-59.251	0.648138	367.904	0.018018
		-1.649	0.008028	164.182	0.454702	406.816	0.003343
3303	1.640	-0.860515	-0.015081	-59.251	0.648138	270.737	-0.006714
		-1.649	0.008028	164.182	0.454702	676.063	0.016508
3304	0	-0.785182	-0.017094	-45.402	-0.035093	270.680	0.020220
		-1.385	0.017339	70.707	0.658323	235.332	-0.005105
3304	1.640	-0.785182	-0.017094	-45.402	-0.035093	196.223	-0.007813
		-1.385	0.017339	70.707	0.658323	351.287	0.023330
3305	0	-0.750303	-0.019136	-33.602	-0.191208	197.656	0.021455
		-1.369	0.012008	89.027	0.501608	345.219	-0.000413
3305	1.640	-0.750303	-0.019136	-33.602	-0.191208	142.552	-0.009928
		-1.369	0.012008	89.027	0.501608	491.218	0.019279
3306	0	-1.526	-0.006906	-130.319	0.000118	722.034	0.015943
		-1.379	0.007110	113.858	-0.226515	486.877	0.003730
3306	1.640	-1.526	-0.006906	-130.319	0.000118	508.320	0.004618
		-1.379	0.007110	113.858	-0.226515	673.597	0.015390
3307	0	-1.550	-0.012629	-104.827	-0.721415	515.012	0.020558
		-0.279094	0.026448	14.654	0.042299	62.824	-0.012567
3307	1.640	-1.550	-0.012629	-104.827	-0.721415	343.102	-0.000152
		-0.279094	0.026448	14.654	0.042299	86.855	0.030805
3308	0	-1.610	-0.019357	-86.484	-0.877391	351.510	0.025468
		-0.306189	0.025283	19.938	-0.064928	86.698	-0.010838
3308	1.640	-1.610	-0.019357	-86.484	-0.877391	209.681	-0.006275
		-0.306189	0.025283	19.938	-0.064928	119.395	0.030625
3309	0	-1.650	-0.006151	-190.136	-0.683222	570.760	0.013301
		-0.357453	0.025073	24.583	-0.605373	120.132	-0.008940
3309	1.640	-1.650	-0.006151	-190.136	-0.683222	258.949	0.003215
		-0.357453	0.025073	24.583	-0.605373	160.447	0.032178
3310	0	-1.836	-0.002802	-176.307	-1.363	272.313	0.018635
		0.211645	0.833606	0.250126	0.052375	-0.286060	0.039791
3310	1.640	-1.836	-0.002802	-176.307	-1.363	-16.818	0.014040
		0.211645	0.833606	0.250126	0.052375	0.124130	1.407

3401	0	-1.378	-0.708820	-0.266103	-0.081635	0.147406	1.358
		-1.684	0.294646	94.593	15.677	-6.367	-0.386221
3401	1.640	-1.378	-0.708820	-0.266103	-0.081635	-0.288985	0.195845
		-1.684	0.294646	94.593	15.677	148.760	0.096978
3402	0	-1.253	-0.600293	-0.158089	-0.084021	-0.243377	0.786776
		-1.617	0.204538	89.972	14.698	144.440	-0.192108
3402	1.640	-1.253	-0.600293	-0.158089	-0.084021	-0.502632	-0.197664
		-1.617	0.204538	89.972	14.698	291.988	0.143322
3403	0	-0.804772	0.087147	-2.766	-0.641667	171.241	-0.045998
		-1.570	0.113898	80.917	14.181	288.567	-0.083500
3403	1.640	-0.804772	0.087147	-2.766	-0.641667	166.705	0.096918
		-1.570	0.113898	80.917	14.181	421.266	0.103285
3404	0	-0.772759	0.030059	-9.658	-0.370673	165.269	-0.005348
		-1.377	0.045101	46.571	7.324	219.227	-0.023014
3404	1.640	-0.772759	0.030059	-9.658	-0.370673	149.430	0.043946
		-1.377	0.045101	46.571	7.324	295.600	0.050948
3405	0	-0.756275	0.001385	-14.205	-1.424	148.548	0.012080
		-1.374	0.013360	42.204	5.601	294.646	0.004135
3405	1.640	-0.756275	0.001385	-14.205	-1.424	125.254	0.014352
		-1.374	0.013360	42.204	5.601	368.857	0.026044
3406	0	-1.530	-0.013806	-49.295	-7.928	467.679	0.027325
		-1.379	-0.015939	33.608	4.744	364.454	0.028759
3406	1.640	-1.530	-0.013806	-49.295	-7.928	386.839	0.004685
		-1.379	-0.015939	33.608	4.744	419.570	0.002620
3407	0	-1.536	-0.050072	-57.507	-8.852	387.757	0.056431
		-0.322633	0.006339	3.585	0.141673	50.515	0.008219
3407	1.640	-1.536	-0.050072	-57.507	-8.852	293.449	-0.025684
		-0.322633	0.006339	3.585	0.141673	56.393	0.018614
3408	0	-1.554	-0.102874	-61.902	-10.561	295.977	0.091417
		-0.338182	-0.013161	1.100	-0.247053	56.928	0.027483
3408	1.640	-1.554	-0.102874	-61.902	-10.561	194.461	-0.077290
		-0.338182	-0.013161	1.100	-0.247053	58.732	0.005900
3409	0	-1.469	-0.216942	-97.182	-16.353	321.871	0.154940
		-1.096	0.582240	0.160540	0.074314	-0.526887	-0.230850

3409	1.640	-1.469	-0.216942	-97.182	-16.353	162.499	-0.200831
		-1.096	0.582240	0.160540	0.074314	-0.263613	0.723986
3410	0	-1.526	-0.371697	-104.111	-16.034	165.736	0.096830
		-1.241	0.696418	0.273816	0.069252	-0.312246	0.116371
3410	1.640	-1.526	-0.371697	-104.111	-16.034	-4.999	-0.512728
		-1.241	0.696418	0.273816	0.069252	0.136794	1.258
3501	0	-2.640	-0.045605	-12.805	5.048	6.287	0.133807
		-0.821975	0.168108	14.748	8.323	7.780	-0.246007
3501	1.640	-2.640	-0.045605	-12.805	5.048	-14.712	0.059017
		-0.821975	0.168108	14.748	8.323	31.966	0.029679
3502	0	-2.676	0.028519	-11.268	4.624	-8.766	0.036514
		-0.942323	0.068453	12.796	7.841	39.887	-0.115711
3502	1.640	-2.676	0.028519	-11.268	4.624	-27.245	0.083284
		-0.942323	0.068453	12.796	7.841	60.873	-0.003452
3503	0	-2.694	0.013503	-8.417	3.782	-22.205	0.067690
		-1.031	0.031680	9.009	6.746	68.171	-0.107901
3503	1.640	-2.694	0.013503	-8.417	3.782	-36.009	0.089833
		-1.031	0.031680	9.009	6.746	82.945	-0.055947
3504	0	-2.303	0.093476	-5.487	1.974	-23.404	-0.006533
		-1.190	0.022263	6.336	4.595	89.772	-0.122115
3504	1.640	-2.303	0.093476	-5.487	1.974	-32.403	0.146762
		-1.190	0.022263	6.336	4.595	100.162	-0.085605
3505	0	-2.420	0.079977	-2.693	0.582607	-30.719	0.014054
		-1.220	0.004887	4.655	1.275	102.990	-0.121207
3505	1.640	-2.420	0.079977	-2.693	0.582607	-35.136	0.145211
		-1.220	0.004887	4.655	1.275	110.623	-0.113192
3506	0	-1.099	-0.003577	-7.250	-1.098	98.426	-0.097682
		-2.601	-0.044900	2.369	-0.806814	-40.867	0.125983
3506	1.640	-1.099	-0.003577	-7.250	-1.098	86.536	-0.103548
		-2.601	-0.044900	2.369	-0.806814	-36.983	0.052349
3507	0	-1.067	-0.021679	-8.307	-3.804	85.065	-0.066885
		-2.531	-0.061341	5.933	-2.352	-38.912	0.131744
3507	1.640	-1.067	-0.021679	-8.307	-3.804	71.442	-0.102438
		-2.531	-0.061341	5.933	-2.352	-29.182	0.031149
3508	0	-1.139	-0.038384	-9.742	-7.963	94.548	-0.062736
		-2.442	-0.081650	8.716	-3.737	-32.879	0.133551
3508	1.640	-1.139	-0.038384	-9.742	-7.963	78.572	-0.125684
		-2.442	-0.081650	8.716	-3.737	-18.586	-0.000349
3509	0	-1.034	-0.081420	-14.080	-9.571	69.634	-0.002732
		-2.332	-0.091652	10.542	-4.777	-23.689	0.120819
3509	1.640	-1.034	-0.081420	-14.080	-9.571	46.543	-0.136255
		-2.332	-0.091652	10.542	-4.777	-6.400	-0.029483
3510	0	-0.890883	-0.191917	-16.350	-10.304	36.643	0.035667
		-2.216	-0.030806	11.413	-5.305	-12.397	0.088771
3510	1.640	-0.890883	-0.191917	-16.350	-10.304	9.829	-0.279063
		-2.216	-0.030806	11.413	-5.305	6.320	0.035252
4101	0	0.040461	-0.122817	-2.794	-2.487	3.809	0.177502
		0.613046	-1.075	121.058	-6.357	1.545	1.163
4101	1.390	0.040461	-0.122817	-2.794	-2.487	-0.078613	0.006793
		0.613046	-1.075	121.058	-6.357	169.809	-0.331401
4102	0	2.318	0.063815	-0.538010	-0.445273	-0.579583	0.043358
		0.386828	-0.398254	116.754	-6.952	172.443	-0.018335
4102	1.390	2.318	0.063815	-0.538010	-0.445273	-1.327	0.132058
		0.386828	-0.398254	116.754	-6.952	334.724	-0.571386
4103	0	1.459	-0.149669	-6.022	6.078	191.788	-0.123535
		0.249105	-0.163780	109.875	-11.239	337.020	-0.381178
4103	1.390	1.459	-0.149669	-6.022	6.078	183.417	-0.331566
		0.249105	-0.163780	109.875	-11.239	489.741	-0.608323
4104	0	1.267	-0.112745	-8.966	2.006	183.270	-0.100994
		-0.720480	0.036353	57.723	-3.299	283.634	-0.409999
4104	1.390	1.267	-0.112745	-8.966	2.006	170.808	-0.257703
		-0.720480	0.036353	57.723	-3.299	363.865	-0.359470
4105	0	1.104	-0.110083	-13.594	1.381	170.250	-0.071450
		-0.599287	0.057848	48.870	-4.418	365.414	-0.498249
4105	1.390	1.104	-0.110083	-13.594	1.381	151.355	-0.224458
		-0.599287	0.057848	48.870	-4.418	433.341	-0.417843
4106	0	0.132239	0.047117	-63.407	9.703	556.742	-0.594399

		-0.457066	0.091020	39.773	-8.988	434.826	-0.582300
4106	1.390	0.132239	0.047117	-63.407	9.703	468.609	-0.528909
		-0.457066	0.091020	39.773	-8.988	490.109	-0.455787
4107	0	0.125786	0.082998	-73.060	5.000	466.963	-0.518758
		0.551082	0.220529	3.063	-0.314647	56.827	-0.198502
4107	1.390	0.125786	0.082998	-73.060	5.000	365.413	-0.403395
		0.551082	0.220529	3.063	-0.314647	61.084	0.108020
4108	0	0.146491	0.118002	-81.858	3.879	363.755	-0.429362
		0.818596	0.221053	1.549	-0.818417	61.032	-0.198028
4108	1.390	0.146491	0.118002	-81.858	3.879	249.976	-0.265345
		0.818596	0.221053	1.549	-0.818417	63.186	0.109223
4109	0	0.063235	0.428277	-127.039	12.727	362.331	-0.577513
		1.075	0.265779	2.070	-4.307	62.826	-0.195174
4109	1.390	0.063235	0.428277	-127.039	12.727	185.755	0.017768
		1.075	0.265779	2.070	-4.307	65.702	0.174245
4110	0	0.220980	1.049	-129.705	8.692	182.632	-0.217827
		-0.031219	0.037673	2.321	0.331334	-1.794	0.013247
4110	1.390	0.220980	1.049	-129.705	8.692	2.349	1.240
		-0.031219	0.037673	2.321	0.331334	1.432	0.065611
4201	0	-0.199844	0.020224	-0.008344	-8.17E-05	0.056309	-0.021064
		0.294833	0.566566	194.440	1.712	-7.355	-1.021
4201	1.390	-0.199844	0.020224	-0.008344	-8.17E-05	0.044712	0.007046
		0.294833	0.566566	194.440	1.712	262.905	-0.233578
4202	0	0.188287	0.072731	-0.011999	0.021030	0.072136	-0.051771
		-0.770295	-0.057397	159.013	3.916	185.494	0.165644
4202	1.390	0.188287	0.072731	-0.011999	0.021030	0.055458	0.049321
		-0.770295	-0.057397	159.013	3.916	406.514	0.085865
4203	0	0.528876	-0.406195	-59.460	0.900046	346.128	0.485866
		-0.609584	-0.101938	177.209	2.511	398.363	0.190420
4203	1.390	0.528876	-0.406195	-59.460	0.900046	263.482	-0.078722
		-0.609584	-0.101938	177.209	2.511	644.674	0.048733
4204	0	0.494112	-0.370940	-49.870	-0.258379	263.423	0.400783
		-1.043	0.254994	80.447	1.999	229.641	-0.181507
4204	1.390	0.494112	-0.370940	-49.870	-0.258379	194.106	-0.114803
		-1.043	0.254994	80.447	1.999	341.457	0.172920
4205	0	0.418666	-0.339679	-38.990	-0.514542	195.297	0.351984
		-0.974319	0.279746	100.041	1.447	336.819	-0.184731
4205	1.390	0.418666	-0.339679	-38.990	-0.514542	141.102	-0.120150
		-0.974319	0.279746	100.041	1.447	475.869	0.204100
4206	0	-0.557368	-0.045416	-140.374	-0.810063	687.801	0.106926
		-0.928328	0.296378	122.774	-0.058504	472.370	-0.177712
4206	1.390	-0.557368	-0.045416	-140.374	-0.810063	492.689	0.043800
		-0.928328	0.296378	122.774	-0.058504	643.019	0.234238
4207	0	-0.590417	-0.012787	-116.576	-2.374	497.642	0.092318
		0.131350	0.574729	16.534	0.293145	63.872	-0.322149
4207	1.390	-0.590417	-0.012787	-116.576	-2.374	335.608	0.074544
		0.131350	0.574729	16.534	0.293145	86.854	0.476692
4208	0	-0.661612	0.044041	-97.101	-2.335	341.647	0.108973
		0.232000	0.597409	20.502	0.170463	86.839	-0.256574
4208	1.390	-0.661612	0.044041	-97.101	-2.335	206.682	0.170188
		0.232000	0.597409	20.502	0.170463	115.337	0.573790
4209	0	-1.007	0.251584	-208.125	-2.988	543.360	0.107384
		0.298896	0.535876	21.869	-0.827873	116.089	-0.073933
4209	1.390	-1.007	0.251584	-208.125	-2.988	254.079	0.457071
		0.298896	0.535876	21.869	-0.827873	146.486	0.670905
4210	0	-1.214	-0.434927	-199.074	-4.373	264.004	0.417164
		0.768087	-0.558638	0.031090	-0.016317	0.121700	-0.018860
4210	1.390	-1.214	-0.434927	-199.074	-4.373	-12.697	-0.187360
		0.768087	-0.558638	0.031090	-0.016317	0.164913	-0.795335
4301	0	0.252412	-0.481743	-0.322482	-0.093310	0.111987	0.693994
		-0.910711	-0.011203	188.092	-0.041410	-7.308	-0.018624
4301	1.390	0.252412	-0.481743	-0.322482	-0.093310	-0.336245	0.024398
		-0.910711	-0.011203	188.092	-0.041410	254.129	-0.034195
4302	0	0.180418	-0.026828	-0.075039	-0.008335	-0.114109	0.036307
		-1.427	0.016017	158.205	1.104	182.274	-0.010494
4302	1.390	0.180418	-0.026828	-0.075039	-0.008335	-0.218408	-0.000982
		-1.427	0.016017	158.205	1.104	402.170	0.011769

4303	0	-0.665487	-0.014673	-56.478	0.826408	335.149	0.015325
		-1.326	0.007385	175.721	0.255256	392.969	0.000853
4303	1.390	-0.665487	-0.014673	-56.478	0.826408	256.647	-0.005069
		-1.326	0.007385	175.721	0.255256	637.212	0.011118
4304	0	-0.591262	-0.016523	-46.518	0.046456	256.251	0.018061
		-1.232	0.018609	79.657	0.615119	234.821	-0.010088
4304	1.390	-0.591262	-0.016523	-46.518	0.046456	191.594	-0.004905
		-1.232	0.018609	79.657	0.615119	345.540	0.015778
4305	0	-0.552083	-0.017682	-36.609	-0.143559	192.482	0.018698
		-1.223	0.015261	96.567	0.395538	340.763	-0.007818
4305	1.390	-0.552083	-0.017682	-36.609	-0.143559	141.598	-0.005879
		-1.223	0.015261	96.567	0.395538	474.985	0.013394
4306	0	-1.222	-0.002270	-136.448	0.223942	683.093	0.008051
		-1.237	0.012356	117.357	-0.465074	471.858	-0.005878
4306	1.390	-1.222	-0.002270	-136.448	0.223942	493.439	0.004895
		-1.237	0.012356	117.357	-0.465074	634.978	0.011296
4307	0	-1.243	-0.006221	-114.841	-0.635095	498.618	0.010782
		-0.288420	0.031512	15.288	0.020514	61.868	-0.019688
4307	1.390	-1.243	-0.006221	-114.841	-0.635095	338.995	0.002135
		-0.288420	0.031512	15.288	0.020514	83.117	0.024112
4308	0	-1.291	-0.010780	-97.931	-0.853878	345.824	0.013617
		-0.314775	0.031468	19.294	-0.106665	83.130	-0.018648
4308	1.390	-1.291	-0.010780	-97.931	-0.853878	209.706	-0.001367
		-0.314775	0.031468	19.294	-0.106665	109.948	0.025091
4309	0	-1.476	0.010879	-205.141	-0.455395	532.218	-0.000957
		-0.358065	0.037446	21.880	-0.718229	110.655	-0.014963
4309	1.390	-1.476	0.010879	-205.141	-0.455395	247.083	0.014164
		-0.358065	0.037446	21.880	-0.718229	141.067	0.037065
4310	0	-1.614	0.031011	-195.217	-1.236	257.790	0.019327
		0.794394	0.714637	0.263244	0.077863	-0.317523	0.351586
4310	1.390	-1.614	0.031011	-195.217	-1.236	-13.550	0.062431
		0.794394	0.714637	0.263244	0.077863	0.048371	1.345
4401	0	-1.396	-0.795051	-0.321352	-0.106011	0.120334	1.209
		-1.251	0.319980	94.787	14.442	-4.021	-0.440867
4401	1.390	-1.396	-0.795051	-0.321352	-0.106011	-0.326327	0.103845
		-1.251	0.319980	94.787	14.442	127.728	0.003887
4402	0	-1.311	-0.622420	-0.213385	-0.108127	-0.280734	0.715791
		-1.222	0.196892	90.184	13.685	125.203	-0.174431
4402	1.390	-1.311	-0.622420	-0.213385	-0.108127	-0.577328	-0.149338
		-1.222	0.196892	90.184	13.685	250.554	0.099239
4403	0	-0.587410	0.105676	-1.648	-1.396	142.048	-0.042155
		-1.192	0.109227	81.481	13.962	248.513	-0.067161
4403	1.390	-0.587410	0.105676	-1.648	-1.396	139.758	0.104730
		-1.192	0.109227	81.481	13.962	361.767	0.084659
4404	0	-0.557344	0.040567	-7.378	-0.330398	138.771	0.001571
		-1.146	0.044280	45.639	6.629	200.423	-0.022696
4404	1.390	-0.557344	0.040567	-7.378	-0.330398	128.515	0.057957
		-1.146	0.044280	45.639	6.629	263.858	0.038851
4405	0	-0.539305	0.009542	-11.980	-1.114	127.780	0.013552
		-1.144	0.013933	39.344	5.048	263.522	0.001122
4405	1.390	-0.539305	0.009542	-11.980	-1.114	111.129	0.026815
		-1.144	0.013933	39.344	5.048	318.208	0.020488
4406	0	-1.158	-0.009872	-47.221	-7.982	406.453	0.021361
		-1.149	-0.015098	30.019	4.925	318.905	0.023710
4406	1.390	-1.158	-0.009872	-47.221	-7.982	340.819	0.007640
		-1.149	-0.015098	30.019	4.925	360.630	0.002725
4407	0	-1.164	-0.044280	-56.533	-8.203	341.201	0.044558
		-0.274914	0.009380	2.663	0.072737	43.547	0.005423
4407	1.390	-1.164	-0.044280	-56.533	-8.203	262.622	-0.016989
		-0.274914	0.009380	2.663	0.072737	47.248	0.018460
4408	0	-1.179	-0.090092	-62.834	-9.776	264.101	0.068994
		-0.289454	-0.013688	0.564415	-0.089361	47.621	0.025281
4408	1.390	-1.179	-0.090092	-62.834	-9.776	176.765	-0.056229
		-0.289454	-0.013688	0.564415	-0.089361	48.406	0.006255
4409	0	-1.222	-0.224728	-96.334	-15.822	271.021	0.117615
		-0.208206	0.517638	0.165086	0.093138	-0.490811	-0.062917
4409	1.390	-1.222	-0.224728	-96.334	-15.822	137.122	-0.194744
		-0.208206	0.517638	0.165086	0.093138	-0.261351	0.656570

4410	0	-1.245	-0.418647	-102.052	-14.752	138.855	0.003426
		-0.912367	0.371404	0.903858	-0.266105	-0.611812	0.295263
4410	1.390	-1.245	-0.418647	-102.052	-14.752	-2.992	-0.578470
		-0.912367	0.371404	0.903858	-0.266105	0.644500	0.811494
4501	0	-1.800	-0.152086	-11.672	2.645	3.192	0.153557
		-0.650034	0.107669	6.224	7.353	6.132	-0.152644
4501	1.390	-1.800	-0.152086	-11.672	2.645	-13.031	-0.057833
		-0.650034	0.107669	6.224	7.353	14.783	-0.002990
4502	0	-1.748	-0.000246	-10.360	2.453	-9.997	0.016927
		-0.716722	0.061996	5.044	6.818	20.899	-0.080806
4502	1.390	-1.748	-0.000246	-10.360	2.453	-24.397	0.016584
		-0.716722	0.061996	5.044	6.818	27.910	0.005366
4503	0	-1.753	0.033041	-7.930	2.055	-21.819	0.020641
		-0.323081	0.068101	3.361	2.900	3.204	-0.056442
4503	1.390	-1.753	0.033041	-7.930	2.055	-32.842	0.066566
		-0.323081	0.068101	3.361	2.900	7.877	0.038215
4504	0	-1.768	0.020327	-5.012	1.334	-30.961	0.051756
		-0.380091	0.031310	3.285	1.426	9.087	-0.027404
4504	1.390	-1.768	0.020327	-5.012	1.334	-37.927	0.080009
		-0.380091	0.031310	3.285	1.426	13.654	0.016115
4505	0	-0.832678	0.008223	-3.180	1.521	44.699	-0.050122
		-0.846000	0.008985	3.019	1.373	40.478	-0.050081
4505	1.390	-0.832678	0.008223	-3.180	1.521	40.278	-0.038692
		-0.846000	0.008985	3.019	1.373	44.674	-0.037592
4506	0	-0.828616	-0.006196	-5.673	-1.532	41.303	-0.033567
		-0.850460	-0.007224	3.484	-0.998353	44.003	-0.042973
4506	1.390	-0.828616	-0.006196	-5.673	-1.532	33.419	-0.042178
		-0.850460	-0.007224	3.484	-0.998353	48.845	-0.053014
4507	0	-0.800415	-0.028813	-4.292	-3.521	32.065	-0.008952
		-1.740	-0.031555	5.290	-1.269	-37.727	0.095875
4507	1.390	-0.800415	-0.028813	-4.292	-3.521	26.099	-0.049001
		-1.740	-0.031555	5.290	-1.269	-30.374	0.052015
4508	0	-0.787434	-0.042942	-2.585	-6.636	41.043	-0.011460
		-1.695	-0.055685	8.220	-2.000	-32.274	0.104798
4508	1.390	-0.787434	-0.042942	-2.585	-6.636	37.450	-0.071147
		-1.695	-0.055685	8.220	-2.000	-20.849	0.027398
4509	0	-0.714483	-0.076924	-4.986	-8.185	30.765	0.013955
		-1.618	-0.083184	10.262	-2.562	-23.500	0.114180
4509	1.390	-0.714483	-0.076924	-4.986	-8.185	23.834	-0.092965
		-1.618	-0.083184	10.262	-2.562	-9.236	-0.001442
4510	0	-0.626083	-0.133304	-6.274	-8.917	16.316	0.009438
		-1.491	-0.081638	11.281	-2.855	-12.372	0.137665
4510	1.390	-0.626083	-0.133304	-6.274	-8.917	7.596	-0.175847
		-1.491	-0.081638	11.281	-2.855	3.309	0.024194
5101	0	0.258559	-0.108308	-4.380	-1.804	3.050	0.169786
		0.918584	-1.106	116.073	-7.621	2.314	1.139
5101	1.270	0.258559	-0.108308	-4.380	-1.804	-2.513	0.032241
		0.918584	-1.106	116.073	-7.621	149.722	-0.265386
5102	0	0.741613	0.119350	-0.536463	-0.440909	-0.450538	-0.068086
		0.696831	-0.460030	112.446	-8.358	152.806	0.027591
5102	1.270	0.741613	0.119350	-0.536463	-0.440909	-1.132	0.083483
		0.696831	-0.460030	112.446	-8.358	295.607	-0.556624
5103	0	0.662351	-0.113662	-7.353	6.527	171.201	-0.200655
		0.530911	-0.205022	107.072	-13.019	298.270	-0.336361
5103	1.270	0.662351	-0.113662	-7.353	6.527	161.863	-0.345000
		0.530911	-0.205022	107.072	-13.019	434.246	-0.596729
5104	0	0.523185	-0.055480	-9.101	2.006	161.996	-0.171136
		0.220590	-0.096719	55.296	-3.972	252.250	-0.276912
5104	1.270	0.523185	-0.055480	-9.101	2.006	150.438	-0.241592
		0.220590	-0.096719	55.296	-3.972	322.473	-0.399740
5105	0	0.420326	-0.058439	-13.001	1.242	150.143	-0.122556
		0.180211	-0.082052	47.126	-5.012	324.127	-0.353801
5105	1.270	0.420326	-0.058439	-13.001	1.242	133.633	-0.196770
		0.180211	-0.082052	47.126	-5.012	383.974	-0.458003
5106	0	0.254904	-0.014933	-62.305	10.447	494.487	-0.500253
		0.150301	-0.056146	39.420	-9.848	385.344	-0.425966
5106	1.270	0.254904	-0.014933	-62.305	10.447	415.362	-0.519217
		0.150301	-0.056146	39.420	-9.848	435.405	-0.497268

5107	0	0.175143	0.013113	-70.606	5.524	413.906	-0.426144
		0.042394	-0.014793	8.034	-2.596	149.131	-0.167109
5107	1.270	0.175143	0.013113	-70.606	5.524	324.240	-0.409491
		0.042394	-0.014793	8.034	-2.596	159.334	-0.185895
5108	0	0.100117	0.028348	-78.788	4.424	322.528	-0.322439
		0.036225	0.003479	6.113	-7.644	159.439	-0.180299
5108	1.270	0.100117	0.028348	-78.788	4.424	222.471	-0.286438
		0.036225	0.003479	6.113	-7.644	167.203	-0.175880
5109	0	0.033816	0.082128	-123.766	13.315	321.904	-0.313787
		-0.058658	-0.002981	0.781325	5.901	11.197	-0.012220
5109	1.270	0.033816	0.082128	-123.766	13.315	164.729	-0.209489
		-0.058658	-0.002981	0.781325	5.901	12.189	-0.016006
5110	0	-0.023181	0.058186	-124.705	6.897	161.679	-0.135467
		-0.024635	-0.002538	5.452	3.160	-3.701	0.001308
5110	1.270	-0.023181	0.058186	-124.705	6.897	3.311	-0.061574
		-0.024635	-0.002538	5.452	3.160	3.223	-0.001915
5201	0	-0.108078	0.104870	-0.005464	-0.000135	0.056389	0.285812
		0.070235	0.733944	198.851	1.233	-6.368	-1.607
5201	1.270	-0.108078	0.104870	-0.005464	-0.000135	0.049449	0.418992
		0.070235	0.733944	198.851	1.233	246.162	-0.674922
5202	0	0.078513	0.095094	-0.014471	0.022374	0.069350	-0.085439
		-0.085352	-0.105679	167.961	3.127	182.092	0.128930
5202	1.270	0.078513	0.095094	-0.014471	0.022374	0.050972	0.035325
		-0.085352	-0.105679	167.961	3.127	395.394	-0.005277
5203	0	0.265618	-0.278679	-57.226	0.877427	327.010	0.248362
		0.025811	-0.206333	183.321	1.682	387.796	0.220825
5203	1.270	0.265618	-0.278679	-57.226	0.877427	254.335	-0.105546
		0.025811	-0.206333	183.321	1.682	620.604	-0.041208
5204	0	0.260066	-0.261014	-49.982	-0.393036	253.968	0.213252
		0.006067	-0.091697	85.610	1.501	226.877	0.081785
5204	1.270	0.260066	-0.261014	-49.982	-0.393036	190.494	-0.118221
		0.006067	-0.091697	85.610	1.501	335.597	-0.034665
5205	0	0.214305	-0.227486	-40.508	-0.610678	191.282	0.173838
		0.006273	-0.067262	104.173	1.097	331.431	0.060242
5205	1.270	0.214305	-0.227486	-40.508	-0.610678	139.839	-0.115057
		0.006273	-0.067262	104.173	1.097	463.725	-0.025177
5206	0	0.029308	-0.175036	-143.178	-0.666372	663.001	0.143016
		-0.008227	-0.061292	124.418	-0.383213	460.814	0.062812
5206	1.270	0.029308	-0.175036	-143.178	-0.666372	481.173	-0.079270
		-0.008227	-0.061292	124.418	-0.383213	618.818	-0.015025
5207	0	0.001954	-0.176117	-121.711	-2.179	485.432	0.135920
		-0.011672	-0.017387	51.620	0.196320	191.457	0.020816
5207	1.270	0.001954	-0.176117	-121.711	-2.179	330.866	-0.087739
		-0.011672	-0.017387	51.620	0.196320	257.011	-0.001265
5208	0	-0.032495	-0.178119	-103.124	-2.556	336.355	0.125778
		-0.023317	-0.023951	59.300	-0.860097	257.238	0.027934
5208	1.270	-0.032495	-0.178119	-103.124	-2.556	205.393	-0.100424
		-0.023317	-0.023951	59.300	-0.860097	332.546	-0.002482
5209	0	-0.063037	-0.129087	-215.278	-2.145	521.253	0.087373
		0.118361	0.002149	0.007732	-0.000181	-0.019504	3.61E-05
5209	1.270	-0.063037	-0.129087	-215.278	-2.145	247.861	-0.076560
		0.118361	0.002149	0.007732	-0.000181	-0.009685	0.002765
5210	0	-0.067356	-0.123170	-209.708	-2.731	256.738	0.054878
		0.116202	0.001179	0.007734	-0.000165	-0.009753	0.000694
5210	1.270	-0.067356	-0.123170	-209.708	-2.731	-9.580	-0.101540
		0.116202	0.001179	0.007734	-0.000165	6.87E-05	0.002192
5301	0	0.103347	0.146867	-0.319148	-0.110157	0.133986	-0.448581
		-0.464292	0.004131	192.694	-0.220014	-6.158	-0.066221
5301	1.270	0.103347	0.146867	-0.319148	-0.110157	-0.271315	-0.262067
		-0.464292	0.004131	192.694	-0.220014	238.553	-0.060974
5302	0	0.126922	-0.005816	-0.083601	-0.008459	-0.093187	0.007435
		-0.431591	0.004579	167.158	1.053	180.438	-0.005685
5302	1.270	0.126922	-0.005816	-0.083601	-0.008459	-0.199356	4.89E-05
		-0.431591	0.004579	167.158	1.053	392.720	0.000130
5303	0	-0.273331	-0.009230	-54.525	0.947470	317.611	0.003829
		-0.339967	-0.002352	182.092	0.123504	384.738	0.004290
5303	1.270	-0.273331	-0.009230	-54.525	0.947470	248.367	-0.007893

		-0.339967	-0.002352	182.092	0.123504	615.936	0.001303
5304	0	-0.201862	-0.011579	-46.650	0.100381	247.872	0.009226
		-0.170292	-0.003297	84.794	0.585629	234.871	0.005617
5304	1.270	-0.201862	-0.011579	-46.650	0.100381	188.629	-0.005479
		-0.170292	-0.003297	84.794	0.585629	342.556	0.001431
5305	0	-0.158261	-0.012333	-37.959	-0.115541	189.268	0.010295
		-0.142527	-0.005909	100.660	0.321924	338.485	0.006563
5305	1.270	-0.158261	-0.012333	-37.959	-0.115541	141.062	-0.005368
		-0.142527	-0.005909	100.660	0.321924	466.318	-0.000940
5306	0	-0.189831	-0.009101	-139.213	0.368483	662.301	0.008705
		-0.122063	-0.007501	119.066	-0.628251	463.791	0.006647
5306	1.270	-0.189831	-0.009101	-139.213	0.368483	485.509	-0.002853
		-0.122063	-0.007501	119.066	-0.628251	614.997	-0.002879
5307	0	-0.165253	-0.011137	-119.922	-0.583241	489.884	0.009523
		-0.037946	-0.003410	47.757	-0.106354	190.625	0.002450
5307	1.270	-0.165253	-0.011137	-119.922	-0.583241	337.530	-0.004621
		-0.037946	-0.003410	47.757	-0.106354	251.273	-0.001881
5308	0	-0.146743	-0.013394	-104.097	-0.841695	343.511	0.009822
		-0.033755	-0.003160	55.771	-0.952586	251.782	0.001831
5308	1.270	-0.146743	-0.013394	-104.097	-0.841695	211.313	-0.007188
		-0.033755	-0.003160	55.771	-0.952586	322.607	-0.002183
5309	0	-0.085866	-0.007652	-212.989	-0.267892	513.295	0.003946
		0.025143	-0.017049	0.020009	-0.009234	-0.062097	0.009618
5309	1.270	-0.085866	-0.007652	-212.989	-0.267892	242.810	-0.005772
		0.025143	-0.017049	0.020009	-0.009234	-0.036687	-0.012033
5310	0	-0.079182	-0.006314	-206.303	-0.920529	252.058	0.002166
		0.023303	-0.015465	0.019082	-0.007897	-0.030369	0.006047
5310	1.270	-0.079182	-0.006314	-206.303	-0.920529	-9.936	-0.005853
		0.023369	-0.015465	0.019082	-0.007897	-0.006136	-0.013592
5401	0	-0.568153	-0.095885	-0.645224	1.149	1.411	-0.564500
		-0.230038	0.318826	93.763	13.639	-2.770	-0.437859
5401	1.270	-0.568153	-0.095885	-0.645224	1.149	0.591314	-0.686270
		-0.230038	0.318826	93.763	13.639	116.305	-0.032966
5402	0	-0.474112	-0.411097	-0.208078	-0.121276	-0.206303	0.335496
		-0.215230	0.184176	89.390	13.075	114.694	-0.161026
5402	1.270	-0.474112	-0.411097	-0.208078	-0.121276	-0.470551	-0.186577
		-0.215230	0.184176	89.390	13.075	228.216	0.072868
5403	0	-0.170497	0.124086	-1.427	-1.971	127.808	-0.053009
		-0.194149	0.101981	81.202	13.873	226.903	-0.057875
5403	1.270	-0.170497	0.124086	-1.427	-1.971	125.995	0.104574
		-0.194149	0.101981	81.202	13.873	330.025	0.071636
5404	0	-0.143453	0.051578	-6.429	-0.436030	125.262	0.001383
		-0.112294	0.036929	44.756	6.224	188.276	-0.018671
5404	1.270	-0.143453	0.051578	-6.429	-0.436030	117.098	0.066884
		-0.112294	0.036929	44.756	6.224	245.113	0.028227
5405	0	-0.124634	0.021780	-10.821	-1.005	116.494	0.008485
		-0.102936	0.022699	37.797	4.834	245.030	-0.009619
5405	1.270	-0.124634	0.021780	-10.821	-1.005	102.753	0.036145
		-0.102936	0.022699	37.797	4.834	293.031	0.019207
5406	0	-0.147772	0.024811	-45.851	-8.152	373.301	-0.008375
		-0.096046	0.013553	28.448	5.218	293.690	-0.005090
5406	1.270	-0.147772	0.024811	-45.851	-8.152	315.073	0.023134
		-0.096046	0.013553	28.448	5.218	329.818	0.012121
5407	0	-0.138517	0.015378	-55.372	-7.876	315.214	-0.003671
		-0.032161	0.002280	6.143	0.497370	117.621	-0.000639
5407	1.270	-0.138517	0.015378	-55.372	-7.876	244.895	0.015859
		-0.032161	0.002280	6.143	0.497370	125.422	0.002256
5408	0	-0.130907	0.008498	-62.334	-9.232	245.836	9.75E-05
		-0.030747	0.001411	1.032	2.269	126.172	-0.000590
5408	1.270	-0.130907	0.008498	-62.334	-9.232	166.675	0.010890
		-0.030747	0.001411	1.032	2.269	127.463	0.001203
5409	0	-0.080827	0.004508	-95.048	-15.148	246.074	-0.000586
		-0.056096	-0.257752	0.119391	-0.112574	-0.277004	0.152044
5409	1.270	-0.080827	0.004508	-95.048	-15.148	125.368	0.005139
		-0.056096	-0.257752	0.119391	-0.112574	-0.125383	-0.175287
5410	0	-0.076817	0.000991	-100.335	-11.521	126.389	0.001032
		-0.032187	-0.028274	1.284	-1.949	0.005283	0.011880

5410	1.270	-0.076817	0.000991	-100.335	-11.521	-1.030	0.002290
		-0.032187	-0.028274	1.284	-1.949	1.636	-0.024026
5501	0	-0.718765	-0.231511	-10.330	1.524	1.984	0.201552
		0.100615	0.049901	2.181	6.537	5.137	-0.062416
5501	1.270	-0.718765	-0.231511	-10.330	1.524	-11.135	-0.092456
		0.100615	0.049901	2.181	6.537	7.906	0.000956
5502	0	-0.607099	-0.072740	-9.194	1.431	-9.287	0.046671
		0.056581	0.040700	1.402	6.021	12.911	-0.048887
5502	1.270	-0.607099	-0.072740	-9.194	1.431	-20.963	-0.045706
		0.056581	0.040700	1.402	6.021	14.691	0.002800
5503	0	-0.543955	-0.024429	-7.097	1.220	-19.399	0.035425
		0.032071	0.075099	2.182	2.682	-1.244	-0.056403
5503	1.270	-0.543955	-0.024429	-7.097	1.220	-28.412	0.004401
		0.032071	0.075099	2.182	2.682	1.527	0.038968
5504	0	-0.497512	-0.028497	-4.574	0.762951	-27.280	0.060327
		-0.023181	0.041096	2.463	1.408	2.535	-0.024338
5504	1.270	-0.497512	-0.028497	-4.574	0.762951	-33.088	0.024138
		-0.023181	0.041096	2.463	1.408	5.664	0.027851
5505	0	-0.033732	0.018001	-3.722	1.077	22.679	-0.032743
		-0.052260	0.023338	2.077	1.350	16.152	-0.031725
5505	1.270	-0.033732	0.018001	-3.722	1.077	17.953	-0.009882
		-0.052260	0.023338	2.077	1.350	18.789	-0.002086
5506	0	-0.047691	0.014659	-4.929	-1.667	18.680	-0.025721
		-0.076355	0.014809	3.839	-0.592023	18.312	-0.030115
5506	1.270	-0.047691	0.014659	-4.929	-1.667	12.420	-0.007105
		-0.076355	0.014809	3.839	-0.592023	23.187	-0.011308
5507	0	-0.056830	0.011414	-2.541	-3.242	11.238	-0.017577
		-0.336743	-0.061938	4.632	-0.854083	-33.467	0.083030
5507	1.270	-0.056830	0.011414	-2.541	-3.242	8.011	-0.003081
		-0.336743	-0.061938	4.632	-0.854083	-27.584	0.004372
5508	0	-0.021789	0.004136	-2.219	-2.934	0.658867	-0.001764
		-0.275011	-0.064350	7.381	-1.277	-28.822	0.074714
5508	1.270	-0.021789	0.004136	-2.219	-2.934	-2.159	0.003488
		-0.275011	-0.064350	7.381	-1.277	-19.449	-0.007007
5509	0	-0.087987	0.003018	-0.870397	-2.163	5.995	-0.006086
		-0.213860	-0.065388	9.370	-1.583	-21.170	0.063318
5509	1.270	-0.087987	0.003018	-0.870397	-2.163	4.890	-0.002253
		-0.213860	-0.065388	9.370	-1.583	-9.271	-0.019722
5510	0	-0.088070	0.000521	-0.906425	-1.944	3.047	-0.001681
		-0.156947	-0.076704	10.594	-1.542	-11.307	0.047755
5510	1.270	-0.088070	0.000521	-0.906425	-1.944	1.895	-0.001020
		-0.156947	-0.076704	10.594	-1.542	2.147	-0.049654
11201	0	1.469	0.366061	-0.219573	1.804	0.181737	15.172
		-124.286	0.332803	0.962496	-1.481	-0.820357	7.099
11201	0.825	1.469	0.366061	-0.219573	1.804	0.000596	15.474
		-124.286	0.332803	0.962496	-1.481	-0.026330	7.373
11202	0	-120.407	0.234458	-1.295	2.116	1.132	4.705
		0.011127	-0.030941	0.097813	-0.239590	-0.079385	0.001612
11202	0.825	-120.407	0.234458	-1.295	2.116	0.063987	4.899
		0.011127	-0.030941	0.097813	-0.239590	0.001307	-0.023914
11203	0	-0.969839	0.337939	-124.246	7.378	-0.000745	1.481
		-0.052916	0.009058	2.772	0.075839	1.66E-05	0.082227
11203	0.300	-0.969839	0.337939	-124.246	7.378	-37.273	1.582
		-0.052916	0.009058	2.772	0.075839	0.831721	0.084944
11204	0	-0.648108	-0.370246	-149.986	-29.690	-0.000900	-1.855
		-0.218616	-0.006757	2.711	-1.663	1.63E-05	-0.380593
11204	0.300	-0.648108	-0.370246	-149.986	-29.690	-44.995	-1.967
		-0.218616	-0.006757	2.711	-1.663	0.813333	-0.382620
11205	0	0.184053	0.035105	-1.02E-14	-0.000103	-1.23E-19	-0.019405
		1.624	0.558423	2.87E-11	3.092	3.45E-16	0.147206
11205	0.600	0.184053	0.035105	-1.02E-14	-0.000103	-6.13E-19	0.001657
		1.624	0.558423	2.87E-11	3.092	1.72E-11	0.482246
11208	0	-402.901	104.720	-19.552	11.195	121.240	-438.188
		-307.892	86.592	14.873	-5.154	-89.045	-359.331
11208	4.500	-402.901	104.720	-19.552	11.195	33.260	33.035
		-307.892	86.592	14.873	-5.154	-22.119	30.318
11209	0	17.197	-20.981	-5.987	-1.474	-3.691	-9.971
		22.164	-31.664	6.714	5.733	5.620	3.995

11209	4.500	17.197	-20.981	-5.987	-1.474	-30.631	-104.380
		22.164	-31.664	6.714	5.733	35.831	-138.487
11210	0	-449.941	35.329	-3.439	-0.140840	55.409	-128.394
		-349.318	27.460	4.728	1.875	-44.995	-99.813
11210	4.500	-449.941	35.329	-3.439	-0.140840	39.933	30.578
		-349.318	27.460	4.728	1.875	-23.720	23.750
11211	0	-104.635	-11.534	-2.127	0.254781	28.135	8.888
		-122.691	-12.892	1.497	-0.169744	-35.929	9.467
11211	4.500	-104.635	-11.534	-2.127	0.254781	18.565	-43.013
		-122.691	-12.892	1.497	-0.169744	-29.191	-48.545
11259	0	1.786	-1.273	-38.329	-1.040	87.159	-1.539
		0.024039	-0.053804	0.262673	-0.252399	-0.529925	0.254083
11259	4.000	1.786	-1.273	-38.329	-1.040	-66.151	-6.629
		0.024039	-0.053804	0.262673	-0.252399	0.520724	0.038875
11260	0	4.035	-2.680	-636.879	20.567	199.992	-6.231
		0	0	0	0	0	0
11260	2.000	4.035	-2.680	-636.879	20.567	-1073.715	-11.591
		0	0	0	0	0	0
11261	0	7.373	-1.621	-56.831	-23.831	397.197	4.823
		3.413	0.411959	270.011	-22.195	-299.835	-2.754
11261	2.000	7.373	-1.621	-56.831	-23.831	283.539	1.581
		3.413	0.411959	270.011	-22.195	240.166	-1.930
11270	0	-360.013	0.089689	-5.586	-0.180080	57.531	-53.014
		-420.334	0.141240	4.127	1.245	-88.826	-61.476
11270	0.200	-360.013	0.089689	-5.586	-0.180080	56.413	-52.996
		-420.334	0.141240	4.127	1.245	-88.001	-61.448
11271	0	0	0	0	0	0	0
		-138.576	-1.493	45.919	2.585	-118.565	-8.590
11271	4.924	0	0	0	0	0	0
		-138.576	-1.493	45.919	2.585	107.549	-15.942
11272	0	-55.960	2.144	-2.432	3.439	31.801	-11.852
		-143.665	1.153	46.613	-2.721	-111.901	9.391
11272	4.924	-55.960	2.144	-2.432	3.439	19.824	-1.296
		-143.665	1.153	46.613	-2.721	117.632	15.070
11273	0	-88.089	-0.085062	-51.338	3.545	132.789	7.391
		0.955662	-0.011800	0.190956	-0.231737	-1.039	-1.291
11273	6.021	-88.089	-0.085062	-51.338	3.545	-176.295	6.879
		0.955662	-0.011800	0.190956	-0.231737	0.110661	-1.362
11274	0	-142.887	-0.014711	-70.757	-3.441	259.129	-10.698
		-0.002564	0.093107	0.000583	0.301817	0.001248	0.504128
11274	6.021	-142.887	-0.014711	-70.757	-3.441	-166.870	-10.787
		-0.002564	0.093107	0.000583	0.301817	0.004757	1.065
11281	0	-15.602	-0.253640	-161.204	13.828	73.184	1.717
		0.235760	0.393223	2.718	0.874010	2.456	-0.677756
11281	2.310	-15.602	-0.253640	-161.204	13.828	-299.128	1.131
		0.235760	0.393223	2.718	0.874010	8.733	0.230417
11282	0	-40.649	-0.651230	-510.382	46.813	-282.292	-1.229
		0.007803	-0.399751	0.011578	-0.037664	0.005792	0.107721
11282	0.301	-40.649	-0.651230	-510.382	46.813	-435.849	-1.425
		0.007803	-0.399751	0.011578	-0.037664	0.009276	-0.012552
11283	0	107.658	6.772	-76.587	4.798	22.995	-6.293
		-7.741	-0.734105	14.556	-0.462148	-5.418	0.285722
11283	2.000	107.658	6.772	-76.587	4.798	-130.174	7.250
		-7.741	-0.734105	14.556	-0.462148	23.694	-1.182
11284	0	-9.209	1.523	-34.125	0.987584	44.058	-2.009
		37.405	3.405	20.799	1.157	-28.167	-3.140
11284	2.000	-9.209	1.523	-34.125	0.987584	-24.188	1.037
		37.405	3.405	20.799	1.157	13.431	3.670
11285	0	1.263	-0.720384	-2.953	-0.844973	10.060	-0.383417
		-7.395	-1.645	96.995	28.995	-11.213	-2.672
11285	0.301	1.263	-0.720384	-2.953	-0.844973	9.172	-0.600158
		-7.395	-1.645	96.995	28.995	17.970	-3.167
11286	0	1.332	-0.081844	-11.440	-3.474	28.541	0.771546
		-0.553687	-0.263777	6.053	1.831	-6.831	0.018478
11286	2.310	1.332	-0.081844	-11.440	-3.474	2.120	0.582521
		-0.553687	-0.263777	6.053	1.831	7.147	-0.590733
11301	0	1.543	0.421788	-0.200178	1.801	0.167200	14.516

		-129.030	0.324219	1.169	-1.772	-1.031	6.310
.							
11301	0.825	1.543	0.421788	-0.200178	1.801	0.002059	14.864
		-129.030	0.324219	1.169	-1.772	-0.066289	6.577
.							
.							
11302	0	-128.457	0.290841	-1.860	2.388	1.615	3.171
		1.175	0.329290	0.137052	-1.748	-0.114072	3.823
.							
11302	0.825	-128.457	0.290841	-1.860	2.388	0.080512	3.411
		1.175	0.329290	0.137052	-1.748	-0.001008	4.092
.							
.							
11303	0	-1.256	0.332886	-129.037	6.584	-0.000774	1.772
		-0.068207	0.011364	2.291	0.253459	1.37E-05	0.105271
.							
11303	0.300	-1.256	0.332886	-129.037	6.584	-38.710	1.872
		-0.068207	0.011364	2.291	0.253459	0.687236	0.108680
.							
.							
11304	0	-0.864041	-0.427365	-153.426	-28.363	-0.000921	-1.874
		0.137933	-0.332886	1.145	-4.097	6.87E-06	1.748
.							
11304	0.300	-0.864041	-0.427365	-153.426	-28.363	-46.027	-2.002
		0.137933	-0.332886	1.145	-4.097	0.343467	1.649
.							
.							
11305	0	2.970	0.479234	-2.88E-11	2.802	-3.46E-16	0.204981
		0.359197	0.034887	1.11E-14	-5.91E-05	1.33E-19	-0.025096
.							
11305	0.600	2.970	0.479234	-2.88E-11	2.802	-1.73E-11	0.492511
		0.359197	0.034887	1.11E-14	-5.91E-05	6.65E-15	-0.004165
.							
.							
11308	0	-401.892	106.159	-19.940	9.533	120.626	-443.162
		-306.966	88.150	14.864	-5.013	-87.594	-365.109
.							
11308	4.500	-401.892	106.159	-19.940	9.533	30.899	34.534
		-306.966	88.150	14.864	-5.013	-20.709	31.552
.							
.							
11309	0	16.617	-20.529	-5.439	-1.579	-4.474	-11.906
		21.491	-31.231	6.974	4.206	5.507	2.509
.							
11309	4.500	16.617	-20.529	-5.439	-1.579	-28.950	-104.282
		21.491	-31.231	6.974	4.206	36.889	-138.023
.							
.							
11310	0	-449.082	35.425	-4.544	-1.081	56.628	-128.428
		-349.348	27.475	5.024	1.788	-42.911	-99.938
.							
11310	4.500	-449.082	35.425	-4.544	-1.081	36.181	30.979
		-349.348	27.475	5.024	1.788	-20.306	23.695
.							
.							
11311	0	-104.205	-11.993	-2.623	0.215065	25.908	9.507
		-122.396	-13.096	1.944	-0.176134	-34.157	9.768
.							
11311	4.500	-104.205	-11.993	-2.623	0.215065	14.105	-44.460
		-122.396	-13.096	1.944	-0.176134	-25.410	-49.163
.							
.							
11359	0	1.760	-1.112	-38.375	-0.339972	87.268	-1.806
		0.026897	-0.256668	0.236857	-1.156	-0.479669	0.453424
.							
11359	4.000	1.760	-1.112	-38.375	-0.339972	-66.228	-6.254
		0.026897	-0.256668	0.236857	-1.156	0.467723	-0.573206
.							
.							
11360	0	3.837	-1.812	-636.076	20.524	200.217	-4.424
		0	0	0	0	0	0
.							
11360	2.000	3.837	-1.812	-636.076	20.524	-1071.883	-8.048
		0	0	0	0	0	0
.							
.							
11361	0	7.576	-0.580382	-56.062	-22.300	395.408	1.187
		3.436	0.549354	270.033	-21.354	-299.884	-2.990
.							
11361	2.000	7.576	-0.580382	-56.062	-22.300	283.288	0.026135
		3.436	0.549354	270.033	-21.354	240.160	-1.892
.							
.							
11370	0	-360.037	0.117063	-7.087	-0.642093	43.926	-52.743
		-420.062	0.135578	5.362	1.202	-77.558	-61.554
.							
11370	0.200	-360.037	0.117063	-7.087	-0.642093	42.509	-52.720
		-420.062	0.135578	5.362	1.202	-76.486	-61.527
.							
.							
11371	0	0	0	0	0	0	0
		-138.243	-1.485	45.747	2.522	-118.118	-8.547
.							
11371	4.924	0	0	0	0	0	0
		-138.243	-1.485	45.747	2.522	107.154	-15.838
.							
.							
11372	0	-55.626	1.609	-3.502	2.391	34.310	-11.864
		-143.364	1.124	46.423	-2.723	-111.399	9.241
.							
11372	4.924	-55.626	1.609	-3.502	2.391	17.067	-3.941
		-143.364	1.124	46.423	-2.723	117.199	14.778
.							
.							
11373	0	-88.147	-0.120699	-51.322	3.457	132.779	7.391
		0.883631	0.372899	0.179346	0.274148	-0.971430	-3.980
.							
11373	6.021	-88.147	-0.120699	-51.322	3.457	-176.210	6.664
		0.883631	0.372899	0.179346	0.274148	0.108330	-1.735
.							
.							
11374	0	-142.628	-0.189570	-70.716	-3.458	258.915	-8.077
		0	0	0	0	0	0
.							
11374	6.021	-142.628	-0.189570	-70.716	-3.458	-166.835	-9.218
		0	0	0	0	0	0
.							
.							

11381	0	-15.700	-0.297779	-161.378	13.920	72.231	2.119
		0.182224	-0.125880	2.235	-0.712203	0.374956	0.145945
11381	2.310	-15.700	-0.297779	-161.378	13.920	-300.482	1.432
		0.182224	-0.125880	2.235	-0.712203	5.537	-0.144783
11382	0	-40.739	-0.741842	-509.485	46.367	-284.195	0.726359
		0	0	0	0	0	0
11382	0.301	-40.739	-0.741842	-509.485	46.367	-437.483	0.503162
		0	0	0	0	0	0
11383	0	107.790	6.259	-75.974	5.232	22.242	-5.473
		-7.279	-0.719323	14.256	-0.399363	-5.352	0.301930
11383	2.000	107.790	6.259	-75.974	5.232	-129.700	7.045
		-7.279	-0.719323	14.256	-0.399363	23.159	-1.137
11384	0	-8.781	1.447	-33.596	0.961472	43.325	-1.933
		16.975	-3.726	23.055	-3.252	-21.758	4.488
11384	2.000	-8.781	1.447	-33.596	0.961472	-23.866	0.959844
		16.975	-3.726	23.055	-3.252	24.350	-2.963
11385	0	1.544	0.240882	-2.268	0.719868	2.064	2.208
		-8.154	-2.152	106.744	31.878	-33.522	-2.606
11385	0.301	1.544	0.240882	-2.268	0.719868	1.381	2.280
		-8.154	-2.152	106.744	31.878	-1.406	-3.254
11386	0	1.529	-0.009680	-12.574	-3.823	33.360	0.453292
		-1.328	-0.421530	14.372	4.345	-25.042	-0.198310
11386	2.310	1.529	-0.009680	-12.574	-3.823	4.319	0.430936
		-1.328	-0.421530	14.372	4.345	8.151	-1.172
11401	0	1.590	0.415982	-0.212231	1.481	0.176244	15.156
		-137.459	0.340934	1.707	-2.353	-1.470	4.862
11401	0.825	1.590	0.415982	-0.212231	1.481	0.001161	15.499
		-137.459	0.340934	1.707	-2.353	-0.062100	5.143
11402	0	-120.407	0.275495	-1.298	1.779	1.137	4.733
		1.210	0.343680	0.111866	-2.274	-0.093971	3.127
11402	0.825	-120.407	0.275495	-1.298	1.779	0.066607	4.960
		1.210	0.343680	0.111866	-2.274	-0.001685	3.411
11403	0	-1.757	0.347984	-137.537	5.150	-0.000825	2.353
		0.213408	0.425153	1.568	15.507	9.41E-06	-1.481
11403	0.300	-1.757	0.347984	-137.537	5.150	-41.260	2.457
		0.213408	0.425153	1.568	15.507	0.470339	-1.354
11404	0	-0.649908	-0.424716	-149.867	-29.724	-0.000899	-1.539
		-0.218807	-0.010096	2.710	-1.659	1.63E-05	-0.359901
11404	0.300	-0.649908	-0.424716	-149.867	-29.724	-44.959	-1.666
		-0.218807	-0.010096	2.710	-1.659	0.812846	-0.362930
11405	0	2.938	-1.432	-2.04E-12	-14.641	-2.45E-17	0.727945
		2.567	1.337	1.53E-12	1.785	1.84E-17	-0.028541
11405	0.600	2.938	-1.432	-2.04E-12	-14.641	-1.22E-12	-0.131068
		2.567	1.337	1.53E-12	1.785	9.19E-13	0.773527
11408	0	-402.752	104.798	-20.484	8.498	122.357	-438.193
		-305.549	91.256	14.308	-5.877	-84.811	-376.344
11408	4.500	-402.752	104.798	-20.484	8.498	30.181	33.380
		-305.549	91.256	14.308	-5.877	-20.426	34.293
11409	0	14.972	-20.182	-4.315	-2.715	-6.450	-13.624
		22.011	-31.545	7.655	3.029	4.492	3.846
11409	4.500	14.972	-20.182	-4.315	-2.715	-25.866	-104.441
		22.011	-31.545	7.655	3.029	38.938	-138.099
11410	0	-449.160	35.405	-5.155	-1.870	59.396	-128.366
		-348.987	27.568	4.620	0.979806	-38.385	-100.129
11410	4.500	-449.160	35.405	-5.155	-1.870	36.198	30.949
		-348.987	27.568	4.620	0.979806	-18.098	23.923
11411	0	-104.667	-11.532	-2.029	0.157167	27.912	8.890
		-121.988	-13.530	2.492	-0.236364	-32.364	10.382
11411	4.500	-104.667	-11.532	-2.029	0.157167	18.783	-43.002
		-121.988	-13.530	2.492	-0.236364	-21.151	-50.502
11459	0	1.653	-0.938043	-38.270	0.378620	65.106	-2.080
		0.023122	0.212196	0.219312	0.954491	-0.442671	-0.236049
11459	4.000	1.653	-0.938043	-38.270	0.378620	-65.969	-5.832
		0.023122	0.212196	0.219312	0.954491	0.434541	0.612702
11460	0	3.847	-0.935548	-636.090	20.294	200.236	-2.526
		0	0	0	0	0	0
11460	2.000	3.847	-0.935548	-636.090	20.294	-1071.893	-4.397
		0	0	0	0	0	0

11461	0	7.584	0.515977	-56.076	-20.532	395.430	-2.582
		3.463	0.714490	270.032	-20.302	-299.836	-3.259
11461	2.000	7.584	0.515977	-56.076	-20.532	283.282	-1.550
		3.463	0.714490	270.032	-20.302	240.207	-1.830
11470	0	-360.026	0.108897	-5.584	-1.107	57.549	-52.837
		-420.077	0.141456	6.726	0.737458	-65.201	-61.487
11470	0.200	-360.026	0.108897	-5.584	-1.107	56.432	-52.815
		-420.077	0.141456	6.726	0.737458	-63.856	-61.459
11471	0	0	0	0	0	0	0
		-137.549	-1.419	45.396	2.445	-117.192	-8.561
11471	4.924	0	0	0	0	0	0
		-137.549	-1.419	45.396	2.445	106.350	-15.550
11472	0	-73.835	-2.444	-3.979	-3.605	44.063	16.253
		-142.749	1.043	46.019	-2.712	-110.335	9.131
11472	4.924	-73.835	-2.444	-3.979	-3.605	24.468	4.216
		-142.749	1.043	46.019	-2.712	116.274	14.268
11473	0	-88.255	-0.161304	-51.291	3.350	132.752	7.356
		0.817070	-0.389149	0.163805	-0.478455	-0.898341	2.923
11473	6.021	-88.255	-0.161304	-51.291	3.350	-176.050	6.385
		0.817070	-0.389149	0.163805	-0.478455	0.087858	0.580455
11474	0	-142.670	-0.359154	-70.732	-3.454	259.000	-5.363
		0	0	0	0	0	0
11474	6.021	-142.670	-0.359154	-70.732	-3.454	-166.847	-7.526
		0	0	0	0	0	0
11481	0	-15.796	-0.374995	-162.392	14.111	70.963	2.566
		0.229110	0.392495	2.719	0.871348	2.441	-0.649671
11481	2.310	-15.796	-0.374995	-162.392	14.111	-304.092	1.700
		0.229110	0.392495	2.719	0.871348	8.720	0.256821
11482	0	-40.604	-0.907850	-507.710	45.650	-288.325	2.785
		0	0	0	0	0	0
11482	0.301	-40.604	-0.907850	-507.710	45.650	-441.079	2.512
		0	0	0	0	0	0
11483	0	108.285	5.625	-74.517	5.628	20.448	-4.555
		-6.294	-0.647277	13.565	-0.285811	-5.158	0.272699
11483	2.000	108.285	5.625	-74.517	5.628	-128.581	6.695
		-6.294	-0.647277	13.565	-0.285811	21.971	-1.022
11484	0	-7.875	1.290	-32.536	0.875735	41.827	-1.764
		21.081	4.926	21.947	4.153	-21.733	-5.805
11484	2.000	-7.875	1.290	-32.536	0.875735	-23.243	0.815555
		21.081	4.926	21.947	4.153	22.159	4.047
11485	0	1.483	-0.721735	-2.983	-1.169	9.994	-4.755
		-8.483	2.006	111.322	-33.207	-24.466	3.298
11485	0.301	1.483	-0.721735	-2.983	-1.169	9.097	-4.972
		-8.483	2.006	111.322	-33.207	9.028	3.902
11486	0	1.402	-0.080560	-11.472	-3.525	28.558	0.078084
		-1.466	0.454574	15.931	-4.819	-26.725	0.244243
11486	2.310	1.402	-0.080560	-11.472	-3.525	2.063	-0.107975
		-1.466	0.454574	15.931	-4.819	10.069	1.294
11501	0	1.517	0.388709	-0.201434	1.241	0.166977	15.604
		-89.830	0.124457	1.226	-1.747	-1.055	2.499
11501	0.825	1.517	0.388709	-0.201434	1.241	0.000801	15.925
		-89.830	0.124457	1.226	-1.747	-0.043570	2.601
11502	0	-115.515	0.290749	-1.010	1.505	0.873301	5.504
		1.126	0.288674	0.140194	-2.057	-0.117203	3.756
11502	0.825	-115.515	0.290749	-1.010	1.505	0.040338	5.744
		1.126	0.288674	0.140194	-2.057	-0.001549	3.994
11503	0	-1.254	0.292243	-129.057	6.521	-0.000774	2.106
		-0.068180	0.008619	2.280	0.252744	1.37E-05	0.123947
11503	0.300	-1.254	0.292243	-129.057	6.521	-38.716	2.194
		-0.068180	0.008619	2.280	0.252744	0.684011	0.126533
11504	0	-0.532954	-0.398302	-148.330	-30.621	-0.000890	-1.299
		-0.174475	-0.008081	4.285	-1.210	2.57E-05	-0.308071
11504	0.300	-0.532954	-0.398302	-148.330	-30.621	-44.498	-1.418
		-0.174475	-0.008081	4.285	-1.210	1.286	-0.310495
11505	0	2.108	-1.537	-2.05E-12	-15.126	-2.46E-17	0.757610
		1.003	1.179	1.55E-12	2.597	1.86E-17	-0.109064
11505	0.600	2.108	-1.537	-2.05E-12	-15.126	-1.23E-12	-0.164706
		1.003	1.179	1.55E-12	2.597	9.28E-13	0.598545

11508	0	-403.316	104.099	-20.799	7.766	123.388	-435.745
		-307.067	88.096	13.931	-7.710	-86.478	-365.116
11508	4.500	-403.316	104.099	-20.799	7.766	29.798	32.681
		-307.067	88.096	13.931	-7.710	-23.789	31.299
11509	0	16.720	-20.623	-4.497	-4.291	-5.603	-11.778
		22.237	-31.871	8.131	2.189	3.898	4.987
11509	4.500	16.720	-20.623	-4.497	-4.291	-25.837	-104.575
		22.237	-31.871	8.131	2.189	40.486	-138.426
11510	0	-449.547	35.365	-5.546	-2.413	61.400	-128.339
		-349.921	27.418	3.305	0.057811	-38.923	-99.956
11510	4.500	-449.547	35.365	-5.546	-2.413	36.444	30.798
		-349.921	27.418	3.305	0.057811	-24.050	23.420
11511	0	-105.024	-11.312	-1.517	0.165152	30.049	8.582
		110.563	-8.051	2.233	-1.146	40.132	-79.448
11511	4.500	-105.024	-11.312	-1.517	0.165152	23.223	-42.319
		110.563	-8.051	2.233	-1.146	50.180	-115.673
11559	0	1.742	-0.769910	-38.252	1.217	87.025	-2.488
		0.027217	0.039696	0.251935	0.187771	-0.510016	-0.125945
11559	4.000	1.742	-0.769910	-38.252	1.217	-65.376	-5.567
		0.027217	0.039696	0.251935	0.187771	0.497683	0.032832
11560	0	4.089	0.291239	-637.084	22.117	199.923	-0.704855
		0	0	0	0	0	0
11560	2.000	4.089	0.291239	-637.084	22.117	-1074.193	-0.122400
		0	0	0	0	0	0
11561	0	7.326	1.535	-57.080	-20.600	397.732	-6.746
		3.422	0.664367	269.971	-21.240	-299.749	-3.414
11561	2.000	7.326	1.535	-57.080	-20.600	283.577	-3.676
		3.422	0.664367	269.971	-21.240	240.172	-2.085
11570	0	-360.358	0.123467	-4.124	-1.029	70.880	-52.666
		-420.043	0.112009	5.365	0.274553	-77.538	-61.774
11570	0.200	-360.358	0.123467	-4.124	-1.029	70.055	-52.641
		-420.043	0.112009	5.365	0.274553	-76.465	-61.752
11571	0	0	0	0	0	0	0
		-138.237	-1.517	45.756	2.439	-118.139	-8.656
11571	4.924	0	0	0	0	0	0
		-138.237	-1.517	45.756	2.439	107.172	-16.126
11572	0	-73.952	-3.091	-2.588	-4.733	40.795	16.505
		-143.378	1.090	46.421	-2.805	-111.392	9.132
11572	4.924	-73.952	-3.091	-2.588	-4.733	28.053	1.286
		-143.378	1.090	46.421	-2.805	117.193	14.501
11573	0	-88.126	-0.145246	-51.318	3.443	132.759	7.680
		0.931292	-0.027728	0.188644	0.059166	-1.019	0.797317
11573	6.021	-88.126	-0.145246	-51.318	3.443	-176.206	6.806
		0.931292	-0.027728	0.188644	0.059166	0.116274	0.630380
11574	0	-142.969	-0.643251	-70.775	-3.674	259.231	-2.492
		-0.003680	-0.116597	0.000644	-0.378753	0.002028	-0.636388
11574	6.021	-142.969	-0.643251	-70.775	-3.674	-166.876	-6.364
		-0.003680	-0.116597	0.000644	-0.378753	0.005907	-1.338
11581	0	-15.620	-0.301766	-161.605	13.794	72.319	2.762
		0.375714	0.331259	4.272	1.341	1.771	-0.496527
11581	2.310	-15.620	-0.301766	-161.605	13.794	-300.918	2.066
		0.375714	0.331259	4.272	1.341	11.637	0.266538
11582	0	-40.538	-0.734861	-509.468	46.048	-284.405	4.920
		0.008936	0.397726	0.011488	0.038582	0.004667	-0.118779
11582	0.301	-40.538	-0.734861	-509.468	46.048	-437.688	4.699
		0.008936	0.397726	0.011488	0.038582	0.008124	0.000884
11583	0	107.923	5.353	-75.806	6.323	22.036	-3.361
		-7.281	-0.766575	14.261	-0.342769	-5.355	0.377701
11583	2.000	107.923	5.353	-75.806	6.323	-129.570	6.844
		-7.281	-0.766575	14.261	-0.342769	23.166	-1.155
11584	0	-8.796	1.396	-33.607	1.019	43.341	-1.929
		37.276	2.067	21.026	2.740	-28.285	-2.859
11584	2.000	-8.796	1.396	-33.607	1.019	-23.870	0.862699
		37.276	2.067	21.026	2.740	13.764	1.276
11585	0	1.448	-0.630047	-3.803	-1.549	8.009	-6.227
		-7.687	1.544	101.032	-30.146	-5.960	3.366
11585	0.301	1.448	-0.630047	-3.803	-1.549	6.865	-6.417

```
                -7.687     1.544   101.032   -30.146    24.437     3.831
.
.
11586       0    1.133   0.062548  -11.080     3.351    28.072 -0.748678
             -0.550625   0.279334    6.095    -1.845    -5.422 -0.016968
.
11586   2.310    1.133   0.062548  -11.080     3.351     2.482 -0.604219
             -0.550625   0.279334    6.095    -1.845     8.654  0.628173
.
.
12201       0   -2.194   0.301155 -0.179345   -1.967  0.185640     1.789
              -210.116   0.261194    1.652     2.496    -1.725    -3.156
.
12201   1.036   -2.194   0.301155 -0.179345   -1.967 -0.000154     2.101
              -210.116   0.261194    1.652     2.496 -0.013598    -2.885
.
.
12202       0 -149.684   0.163972   -1.968  0.172844     2.068    -3.624
               0.015255 -0.001717  0.098801 -0.173662 -0.102724  1.09E-05
.
12202   1.036 -149.684   0.163972   -1.968  0.172844  0.028549    -3.454
               0.015255 -0.001717  0.098801 -0.173662 -0.000370 -0.001768
.
.
12203       0 -0.329122  0.351852  -229.547     8.396 -0.001377    -2.265
               0.037369 -0.049177  0.005390 -0.050231  3.23E-08     1.121
.
12203   0.300 -0.329122  0.351852  -229.547     8.396   -68.863    -2.160
               0.037369 -0.049177  0.005390 -0.050231  0.001617     1.106
.
12204       0   -1.036 -0.304216  -313.466    -4.046 -0.001881     1.886
               0.099512  0.001728  0.015354  0.001774  9.21E-08  0.173663
.
12204   0.300   -1.036 -0.304216  -313.466    -4.046   -94.038     1.794
               0.099512  0.001728  0.015354  0.001774  0.004606  0.174181
.
.
12205       0  0.222645  0.037838 -1.05E-14 -2.99E-05 -1.27E-19 -0.025520
               0.909462 -0.526265  1.22E-11 -0.065704  1.46E-16  0.897331
.
12205   0.600  0.222645  0.037838 -1.05E-14 -2.99E-05 -6.33E-15 -0.002818
               0.909462 -0.526265  1.22E-11 -0.065704  7.32E-12  0.581585
.
.
12301       0   -2.359   0.354660 -0.163545    -2.753  0.169195     1.318
              -199.927   0.252275    1.927     2.095    -2.009    -3.745
.
12301   1.036   -2.359   0.354660 -0.163545    -2.753 -0.000231     1.685
              -199.927   0.252275    1.927     2.095 -0.012798    -3.484
.
.
12302       0 -134.014   0.210528   -2.439 -0.245295     2.564    -5.042
               -2.137   0.254232  0.104767     2.208 -0.108571    -2.233
.
12302   1.036 -134.014   0.210528   -2.439 -0.245295  0.037839    -4.824
               -2.137   0.254232  0.104767     2.208 -3.61E-05    -1.969
.
.
```



```
.
12303       0 -0.380674  0.391823  -228.321     8.086 -0.001370    -1.405
               0.021602 -0.006170  0.007713 -0.005769  4.63E-08 -0.099869
.
12303   0.300 -0.380674  0.391823  -228.321     8.086   -68.495    -1.287
               0.021602 -0.006170  0.007713 -0.005769  0.002314 -0.101720
.
.
12304       0   -1.277 -0.357406  -305.051    -3.296 -0.001830     2.651
               0.099715  0.002867  0.013022  0.002902  7.81E-08  0.178444
.
12304   0.300   -1.277 -0.357406  -305.051    -3.296   -91.513     2.544
               0.099715  0.002867  0.013022  0.002902  0.003907  0.179304
.
.
12305       0    1.677 -0.456522 -1.22E-11 -0.146911 -1.47E-16     1.018
               0.433081  0.041401  1.25E-14  2.01E-05  1.51E-19 -0.034831
.
12305   0.600    1.677 -0.456522 -1.22E-11 -0.146911 -7.33E-12  0.744139
               0.433081  0.041401  1.25E-14  2.01E-05  7.53E-15 -0.009991
.
.
12401       0   -2.388   0.356841 -0.175062    -3.885  0.181368     1.660
              -182.638   0.260244    2.378   0.711654    -2.496    -4.972
.
12401   1.036   -2.388   0.356841 -0.175062    -3.885  1.06E-05     2.030
              -182.638   0.260244    2.378   0.711654 -0.032169    -4.703
.
.
12402       0 -149.689   0.199517   -1.993    -1.668     2.081    -3.665
               0.004819 -0.004241  0.096793 -0.173817 -0.100374 -0.001998
.
12402   1.036 -149.689   0.199517   -1.993    -1.668  0.015450    -3.459
               0.004819 -0.004241  0.096793 -0.173817 -9.99E-05 -0.006391
.
.
12403       0 -0.476897  0.391374  -225.633     7.685 -0.001354 -0.488333
               0.099834 -0.003293  0.012921 -0.003328  7.75E-08 -0.183673
.
12403   0.300 -0.476897  0.391374  -225.633     7.685   -67.688 -0.370926
               0.099834 -0.003293  0.012921 -0.003328  0.003876 -0.184661
.
.
12404       0   -1.037 -0.358786  -313.438    -4.036 -0.001881     3.701
               0.054618  0.075345  0.010182  0.084975  6.11E-08    -1.317
.
12404   0.300   -1.037 -0.358786  -313.438    -4.036   -94.029     3.593
               0.054618  0.075345  0.010182  0.084975  0.003054    -1.294
.
.
12405       0    1.767     1.498 -1.54E-12    -2.335 -1.85E-17  0.523266
               1.866    -1.150  9.22E-13    -2.459  1.11E-17  0.954254
.
12405   0.600    1.767     1.498 -1.54E-12    -2.335 -9.23E-13     1.422
               1.866    -1.150  9.22E-13    -2.459  5.53E-13  0.264499
.
.
12501       0   -2.251   0.334033 -0.160864    -4.568  0.167175     1.962
              -199.923   0.211527    1.892   0.251827    -1.991    -3.700
.
```

```
12501   1.036    -2.251  0.334033 -0.160864    -4.568  0.000527     2.308
                -199.923  0.211527     1.892  0.251827 -0.031070    -3.481
.
.
12502       0  -159.759  0.225878    -1.684    -1.852     1.766    -3.015
                  -2.004  0.210378  0.107803  0.333777 -0.111710    -2.143
.
12502   1.036  -159.759  0.225878    -1.684    -1.852  0.021832    -2.781
                  -2.004  0.210378  0.107803  0.333777 -2.98E-05    -1.925
.
.
12503       0 -0.379482  0.341723  -228.308     8.148 -0.001370  0.352749
                0.099631 -0.002013  0.015274 -0.002057  9.16E-08 -0.178709
.
12503   0.300 -0.379482  0.341723  -228.308     8.148  -68.491  0.455262
                0.099631 -0.002013  0.015274 -0.002057  0.004582 -0.179313
.
.
12504       0 -0.907347 -0.334504  -317.750    -4.471 -0.001906     4.414
                0.054531  0.035889  0.007615  0.036969  4.57E-08    -1.230
.
12504   0.300 -0.907347 -0.334504  -317.750    -4.471  -95.323     4.314
                0.054531  0.035889  0.007615  0.036969  0.002284    -1.220
.
.
12505       0     1.427     1.603 -1.56E-12    -2.519 -1.88E-17  0.337530
                0.797223    -1.145  1.02E-12    -1.813  1.22E-17  0.783725
.
12505   0.600     1.427     1.603 -1.56E-12    -2.519 -9.38E-13     1.299
                0.797223    -1.145  1.02E-12    -1.813  6.10E-13  0.096458
.
.
13201       0  0.486998  0.262204 -0.170005     1.130  0.179708    -8.626
                -205.368  0.013264     1.687  0.127138    -1.781 -0.771650
.
13201   1.059  0.486998  0.262204 -0.170005     1.130 -0.000323    -8.349
                -205.368  0.013264     1.687  0.127138  0.005970 -0.757604
.
.
13202       0  -148.324  0.007793    -2.039  0.112853     2.148 -0.840335
                0.014515 -0.001724  0.099810 -0.081418 -0.105593  0.000126
.
13202   1.059  -148.324  0.007793    -2.039  0.112853 -0.010892 -0.832083
                0.014515 -0.001724  0.099810 -0.081418  0.000101 -0.001699
.
.
13203       0 -0.335912  0.017591  -225.310     5.216 -0.001352 -0.170691
                0.088961  0.129534  0.570387    -4.555  3.42E-06    -1.852
.
13203   0.300 -0.335912  0.017591  -225.310     5.216  -67.592 -0.165414
                0.088961  0.129534  0.570387    -4.555  0.171113    -1.813
.
.
13204       0    -1.041 -0.014722  -306.886    -3.193 -0.001841 -0.023252
                0.051306 -0.223379  0.564778     4.323  3.39E-06    -2.443
.
13204   0.300    -1.041 -0.014722  -306.886    -3.193  -92.064 -0.027669
                0.051306 -0.223379  0.564778     4.323  0.169430    -2.510
.
```

```
.
13205       0  0.226932  0.022834 -1.11E-14 -0.000124 -1.33E-19 -0.014559
               0.219181 -0.037924  4.14E-12  0.178629  4.97E-17  0.052501
.
13205   0.600  0.226932  0.022834 -1.11E-14 -0.000124 -6.64E-15 -0.000860
               0.219181 -0.037924  4.14E-12  0.178629  2.49E-12  0.029747
.
.
13301       0  0.100999  0.017790 -0.155216 -0.084762  0.163775     1.594
               -195.106  0.012515     1.946  0.110257    -2.055 -0.819200
.
13301   1.059  0.100999  0.017790 -0.155216 -0.084762 -0.000592     1.613
               -195.106  0.012515     1.946  0.110257  0.006362 -0.805947
.
.
13302       0  -130.421  0.009992    -2.490  0.024793     2.606 -0.860346
                0.615022  0.213651  0.101887     2.092 -0.107776    -4.803
.
13302   1.059  -130.421  0.009992    -2.490  0.024793 -0.030385 -0.849764
                0.615022  0.213651  0.101887     2.092  0.000118    -4.577
.
.
13303       0 -0.384764  0.019595  -223.786     5.118 -0.001343 -0.082446
                0.063040  0.172549  0.626665    -5.043  3.76E-06 -0.254285
.
13303   0.300 -0.384764  0.019595  -223.786     5.118  -67.134 -0.076568
                0.063040  0.172549  0.626665    -5.043  0.187995 -0.202523
.
.
13304       0    -1.259 -0.017734  -297.619    -3.011 -0.001786  0.081016
                0.101673 -0.212977  0.615252     4.577  3.69E-06    -2.092
.
13304   0.300    -1.259 -0.017734  -297.619    -3.011  -89.284  0.075696
                0.101673 -0.212977  0.615252     4.577  0.184571    -2.156
.
.
13305       0  0.116681 -0.009939 -4.16E-12  0.136323 -5.00E-17  0.051411
               0.440008  0.030052  1.36E-14 -0.000149  1.63E-19 -0.020101
.
13305   0.600  0.116681 -0.009939 -4.16E-12  0.136323 -2.50E-12  0.045448
               0.440008  0.030052  1.36E-14 -0.000149  8.14E-15 -0.002070
.
.
13401       0  0.097006  0.018089 -0.168257 -0.198055  0.177983     1.684
               -176.217  0.012680     2.365 -0.017025    -2.499 -0.893759
.
13401   1.059  0.097006  0.018089 -0.168257 -0.198055 -0.000194     1.704
               -176.217  0.012680     2.365 -0.017025  0.005832 -0.880331
.
.
13402       0  -148.324  0.009605    -2.024 -0.104305     2.137 -0.840104
                0.009420 -0.004235  0.098471 -0.084271 -0.103713 -0.004218
.
13402   1.059  -148.324  0.009605    -2.024 -0.104305 -0.005944 -0.829932
                0.009420 -0.004235  0.098471 -0.084271  0.000564 -0.008703
.
.
13403       0 -0.472053  0.019514  -220.533     4.988 -0.001323  0.014703
                0.087422  0.163231  0.590533    -4.509  3.54E-06     2.015
```

```
.
13403   0.300 -0.472053  0.019514 -220.533     4.988   -66.158  0.020557
               0.087422  0.163231  0.590533    -4.509  0.177156     2.064
.
.
13404       0   -1.041 -0.018045 -306.904    -3.191 -0.001841  0.186492
               0.076393 -0.218333  0.664904     5.157  3.99E-06  0.162724
.
13404   0.300   -1.041 -0.018045 -306.904    -3.191   -92.069  0.181079
               0.076393 -0.218333  0.664904     5.157  0.199467  0.097227
.
.
13405       0  0.299495  0.006967 -1.22E-12    -1.756 -1.47E-17  0.059395
               0.528074 -0.010290  6.91E-13 -0.491181  8.30E-18  0.035884
.
13405   0.600  0.299495  0.006967 -1.22E-12    -1.756 -7.33E-13  0.063575
               0.528074 -0.010290  6.91E-13 -0.491181  4.15E-13  0.029710
.
.
13501       0  0.089124  0.017321 -0.152247 -0.258796  0.160580     1.755
              -195.106   0.010099     1.959 -0.106213    -2.064 -0.818703
.
13501   1.059  0.089124  0.017321 -0.152247 -0.258796 -0.000644     1.774
              -195.106   0.010099     1.959 -0.106213  0.010160 -0.808008
.
.
13502       0 -158.489  0.011321    -1.763 -0.092906     1.848 -0.829554
               0.594839  0.172672  0.103972    -1.808 -0.109805    -4.806
.
13502   1.059 -158.489  0.011321    -1.763 -0.092906 -0.019645 -0.817566
               0.594839  0.172672  0.103972    -1.808  0.000297    -4.623
.
.
13503       0 -0.384850  0.016859 -223.787     5.129 -0.001343  0.113220
               0.020902  0.190631  0.539616    -4.244  3.24E-06     1.855
.
13503   0.300 -0.384850  0.016859 -223.787     5.129   -67.135  0.118277
               0.020902  0.190631  0.539616    -4.244  0.161881     1.912
.
.
13504       0 -0.916021 -0.017073 -311.518    -3.316 -0.001869  0.249114
               0.103423 -0.171991  0.592134     4.624  3.55E-06     1.808
.
13504   0.300 -0.916021 -0.017073 -311.518    -3.316   -93.453  0.243992
               0.103423 -0.171991  0.592134     4.624  0.177636     1.756
.
.
13505       0  0.603277  0.025971 -1.25E-12    -1.820 -1.50E-17  0.043992
               0.351774  0.032979  7.77E-13 -0.447388  9.33E-18  0.014470
.
13505   0.600  0.603277  0.025971 -1.25E-12    -1.820 -7.50E-13  0.059574
               0.351774  0.032979  7.77E-13 -0.447388  4.66E-13  0.034257
.
.
14201       0 -0.042810  0.019941 -0.166620    -1.636  0.173095   -10.921
              -100.145   0.015607  0.921230  0.943651 -0.965735    -9.272
.
14201   1.036 -0.042810  0.019941 -0.166620    -1.636  0.000484   -10.900
              -100.145   0.015607  0.921230  0.943651 -0.011379    -9.256
```



```
.
.
14202       0   -94.806  0.007984    -1.261 -0.555649     1.313    -9.404
              0.015608 -0.001722  0.098771  0.095480 -0.102743  0.000137
.
14202   1.036   -94.806  0.007984    -1.261 -0.555649  0.006370    -9.396
              0.015608 -0.001722  0.098771  0.095480 -0.000420 -0.001647
.
.
14203       0 -0.934128  0.015631  -100.153    -9.256 -0.000601 -0.943652
              -0.066768  0.302079     1.407  0.381514  8.44E-06    -1.794
.
14203   0.300 -0.934128  0.015631  -100.153    -9.256   -30.045 -0.938963
              -0.066768  0.302079     1.407  0.381514  0.422045    -1.704
.
.
14204       0 -0.619723 -0.020466   -99.995    20.293 -0.000600     1.642
               0.044739 -0.223324  0.366767     1.422  2.20E-06    -2.054
.
14204   0.300 -0.619723 -0.020466   -99.995    20.293   -29.998     1.636
               0.044739 -0.223324  0.366767     1.422  0.110028    -2.121
.
.
14205       0 -0.630661  0.262848 -3.51E-12  0.736214 -4.21E-17  0.344741
               0.107364 -0.283192  3.03E-12    -2.343  3.63E-17  0.147792
.
14205   0.600 -0.630661  0.262848 -3.51E-12  0.736214 -2.11E-12  0.502444
               0.107364 -0.283192  3.03E-12    -2.343  1.82E-12 -0.022116
.
.
14301       0 -0.083114  0.022104 -0.152058    -1.627  0.157915   -10.917
              -102.090   0.013759     1.175  0.943226    -1.219    -9.691
.
14301   1.036 -0.083114  0.022104 -0.152058    -1.627  0.000390   -10.894
              -102.090   0.013759     1.175  0.943226 -0.001473    -9.676
.
.
14302       0   -94.693  0.007446    -1.642 -0.492178     1.720   -10.080
               0.013409 -0.002811  0.099117  0.095557 -0.103025  0.000141
.
14302   1.036   -94.693  0.007446    -1.642 -0.492178  0.018731   -10.073
               0.013409 -0.002811  0.099117  0.095557 -0.000343 -0.002771
.
.
14303       0    -1.166  0.013831  -102.088    -9.676 -0.000613 -0.943226
              -0.082679  0.341957  0.969610  0.247820  5.82E-06 -0.975522
.
14303   0.300    -1.166  0.013831  -102.088    -9.676   -30.626 -0.939077
              -0.082679  0.341957  0.969610  0.247820  0.290876 -0.872939
.
.
14304       0 -0.781414 -0.022539  -102.320    20.302 -0.000614     1.637
               0.097150 -0.213451  0.421386     1.961  2.53E-06    -1.955
.
14304   0.300 -0.781414 -0.022539  -102.320    20.302   -30.695     1.631
               0.097150 -0.213451  0.421386     1.961  0.126413    -2.019
.
.
14305       0 -0.040158 -0.268167 -3.05E-12    -2.245 -3.66E-17  0.163717
```

```
                -1.619  0.354596  3.53E-12     1.214  4.24E-17  0.424118
.
14305   0.600 -0.040158 -0.268167 -3.05E-12    -2.245 -1.83E-12  0.002823
                -1.619  0.354596  3.53E-12     1.214  2.12E-12  0.636868
.
.
14401       0 -0.063364  0.023304 -0.166600    -1.773  0.172579   -10.921
              -104.206   0.011674     1.525  0.757568    -1.591   -10.423
.
14401   1.036 -0.063364  0.023304 -0.166600    -1.773 -1.18E-05   -10.897
              -104.206   0.011674     1.525  0.757568 -0.011729   -10.411
.
.
14402       0   -94.805  0.009848    -1.279 -0.660293     1.322    -9.400
              0.103476 -0.074665  0.102572 -0.617482 -0.106079 -0.058958
.
14402   1.036   -94.805  0.009848    -1.279 -0.660293 -0.002843    -9.390
              0.103476 -0.074665  0.102572 -0.617482  0.000181 -0.136308
.
.
14403       0    -1.533  0.011703  -104.215   -10.411 -0.000625 -0.757567
              0.083731  0.164698  0.428415    -2.461  2.57E-06     1.803
.
14403   0.300    -1.533  0.011703  -104.215   -10.411   -31.264 -0.754056
              0.083731  0.164698  0.428415    -2.461  0.128522     1.853
.
.
14404       0 -0.619718 -0.023788   -99.996    20.290 -0.000600     1.742
              0.071221 -0.219534  0.464431     2.989  2.79E-06 -0.840925
.
14404   0.300 -0.619718 -0.023788   -99.996    20.290   -29.998     1.735
              0.071221 -0.219534  0.464431     2.989  0.139326 -0.906782
.
.
14405       0  0.037272  0.754576 -9.22E-13    10.945 -1.11E-17 -0.071000
              0.090211 -0.437073  6.27E-13    -5.648  7.52E-18  0.153540
.
14405   0.600  0.037272  0.754576 -9.22E-13    10.945 -5.53E-13  0.381732
              0.090211 -0.437073  6.27E-13    -5.648  3.76E-13 -0.108695
.
.
14501       0 -0.045036  0.022821 -0.149953    -1.780  0.155130   -10.976
              -102.091   0.011452     1.162  0.838512    -1.212    -9.691
.
14501   1.036 -0.045036  0.022821 -0.149953    -1.780 -0.000216   -10.953
              -102.091   0.011452     1.162  0.838512 -0.008222    -9.680
.
.
14502       0   -93.757  0.012699 -0.996374 -0.623309     1.039    -8.931
            -0.018816   0.011254  0.100107  0.842045 -0.103469    -5.211
.
14502   1.036   -93.757  0.012699 -0.996374 -0.623309  0.006521    -8.917
            -0.018816   0.011254  0.100107  0.842045  0.000238    -5.199
.
.
14503       0    -1.166  0.011469  -102.088    -9.680 -0.000613 -0.838508
            -0.084303   0.291841  0.973990  0.208423  5.84E-06  0.769939
.
14503   0.300    -1.166  0.011469  -102.088    -9.680   -30.626 -0.835068
```



```
            -0.084303  0.291841  0.973990  0.208423  0.292191  0.857487
.
.
14504       0 -0.524191 -0.023245   -98.610    20.385 -0.000592     1.769
              -0.200162 -0.287153  0.676274  0.409983  4.06E-06     2.874
.
14504   0.300 -0.524191 -0.023245   -98.610    20.385   -29.582     1.762
              -0.200162 -0.287153  0.676274  0.409983  0.202878     2.788
.
.
14505       0  0.366452  0.793457 -9.38E-13    10.992 -1.13E-17 -0.130246
            -0.017646 -0.513979  6.71E-13    -5.221  8.05E-18  0.173376
.
14505   0.600  0.366452  0.793457 -9.38E-13    10.992 -5.63E-13  0.345814
            -0.017646 -0.513979  6.71E-13    -5.221  4.03E-13 -0.135002
.
.
15201       0 -0.002365  0.023760 -0.171162 -0.393961  0.141485 -0.702106
            -0.005853 -0.001704  0.097855  0.095342 -0.081221  0.000253
.
15201   0.825 -0.002365  0.023760 -0.171162 -0.393961  0.000282 -0.682505
            -0.005853 -0.001704  0.097855  0.095342 -0.000494 -0.001152
.
.
15202       0     3.816  0.023724 -0.198000 -0.397840  0.164460    -1.500
            0.011546 -0.001708  0.100902  0.096292 -0.082530  0.000137
.
15202   0.825     3.816  0.023724 -0.198000 -0.397840  0.001117    -1.480
            0.011546 -0.001708  0.100902  0.096292  0.000711 -0.001272
.
.
15203       0 -0.037052  0.012308    -1.575    -5.095 -3.45E-06 -0.067489
              0.075885  0.135647    10.209 -0.913372  6.13E-05 -0.001692
.
15203   0.300 -0.037052  0.012308    -1.575    -5.095 -0.472582 -0.063796
              0.075885  0.135647    10.209 -0.913372     3.063  0.039000
.
.
15204       0 -0.184126 -0.000821    -6.166     4.781 -3.70E-05  0.210524
            -0.002356 -0.140587    11.621     1.525  6.97E-05 -0.147592
.
15204   0.300 -0.184126 -0.000821    -6.166     4.781    -1.850  0.210278
            -0.002356 -0.140587    11.621     1.525     3.486 -0.189767
.
.
15205       0    -1.415  0.158021 -1.00E-11 -0.085212 -1.21E-16  0.259939
            -0.009401  0.001682  1.73E-12 -0.070740  2.08E-17  0.029911
.
15205   0.600    -1.415  0.158021 -1.00E-11 -0.085212 -6.03E-12  0.354748
            -0.009401  0.001682  1.73E-12 -0.070740  1.04E-12  0.030920
.
.
15301       0  0.022325  0.024644 -0.159880 -0.442154  0.130908    -1.077
              -6.219  0.005245  0.190074  0.248259 -0.163645    -5.783
.
15301   0.825  0.022325  0.024644 -0.159880 -0.442154 -0.000987    -1.057
              -6.219  0.005245  0.190074  0.248259 -0.006840    -5.784
.
.
```

```
15302       0   -12.381  0.007657 -0.367549 -0.411966  0.314459    -7.527
                0.057153  0.019527  0.100862  0.280025 -0.083660    -2.528
.
15302   0.825   -12.381  0.007657 -0.367549 -0.411966  0.011244    -7.520
                0.057153  0.019527  0.100862  0.280025 -0.000452    -2.512
.
.
15303       0 -0.199085  0.005300    -6.218    -5.784 -3.73E-05 -0.248258
                0.012572  0.076837    11.234    -1.719  6.74E-05 -0.176763
.
15303   0.300 -0.199085  0.005300    -6.218    -5.784    -1.365 -0.246669
                0.012572  0.076837    11.234    -1.719     3.370 -0.153713
.
.
15304       0 -0.350305  0.004753   -14.601     5.428 -8.76E-05  0.386767
                0.043899 -0.186685    12.742     3.021  7.65E-05 -0.061720
.
15304   0.300 -0.350305  0.004753   -14.601     5.428    -4.380  0.388193
                0.043899 -0.186685    12.742     3.021     3.823 -0.117723
.
.
15305       0 -0.487917  0.248671 -2.06E-12     3.907 -2.47E-17 -0.077956
               -2.920    0.087105  1.00E-11 -0.121049  1.20E-16  0.334560
.
15305   0.600 -0.487917  0.248671 -2.06E-12     3.907 -1.23E-12  0.071241
               -2.920    0.087105  1.00E-11 -0.121049  6.02E-12  0.386821
.
.
15401       0 -0.003499  0.026709 -0.172238 -0.428325  0.141656 -0.691327
              -16.194    -0.001940  0.373499  0.425650 -0.323950    -6.710
.
15401   0.825 -0.003499  0.026709 -0.172238 -0.428325 -0.000435 -0.669293
              -16.194    -0.001940  0.373499  0.425650 -0.015826    -6.712
.
.
15402       0     3.816  0.026853 -0.197075 -0.411235  0.164199    -1.494
                0.082446 -0.075093  0.108669 -0.035181 -0.088654 -0.032125
.
15402   0.825     3.816  0.026853 -0.197075 -0.411235  0.001618    -1.472
                0.082446 -0.075093  0.108669 -0.035181  0.000995 -0.094074
.
.
15403       0 -0.389205 -0.002198   -16.199    -6.712 -9.72E-05 -0.425649
                0.042451  0.096320    11.349    -3.271  6.81E-05  0.051489
.
15403   0.300 -0.389205 -0.002198   -16.199    -6.712    -4.860 -0.426308
                0.042451  0.096320    11.349    -3.271     3.405  0.080384
.
.
15404       0 -0.184020 -0.001352    -6.169     4.773 -3.70E-05  0.229954
               -0.000343 -0.174116    11.623     1.497  6.97E-05  0.192404
.
15404   0.300 -0.184020 -0.001352    -6.169     4.773    -1.851  0.229548
               -0.000343 -0.174116    11.623     1.497     3.487  0.140171
.
.
15405       0 -0.165250  0.044223 -7.49E-13  0.826977 -8.98E-18  0.060334
               -0.445119 -0.203378  5.20E-13    -3.468  6.24E-18  0.058090
.
```

```
15405   0.600 -0.165250  0.044223 -7.49E-13  0.826977 -4.49E-13  0.086867
              -0.445119 -0.203378  5.20E-13    -3.468  3.12E-13 -0.063933
.
.
15501       0 -0.021379  0.026411 -0.150923 -0.392046  0.125746 -0.485966
                -6.218    0.004425  0.195995  0.228195 -0.166087    -5.798
.
15501   0.825 -0.021379  0.026411 -0.150923 -0.392046  0.001239 -0.464178
                -6.218    0.004425  0.195995  0.228195 -0.004398    -5.794
.
.
15502       0     5.000  0.026694 -0.164062 -0.380021  0.134103    -1.076
                0.044919  0.017464  0.102956  0.254259 -0.084722    -2.551
.
15502   0.825     5.000  0.026694 -0.164062 -0.380021 -0.001243    -1.054
                0.044919  0.017464  0.102956  0.254259  0.000213    -2.536
.
.
15503       0 -0.199141  0.004290    -6.223    -5.794 -3.73E-05 -0.228194
                0.010499  0.058255    11.239    -1.737  6.74E-05  0.159064
.
15503   0.300 -0.199141  0.004290    -6.223    -5.794    -1.867 -0.226907
                0.010499  0.058255    11.239    -1.737     3.372  0.176540
.
.
15504       0 -0.028698 -0.008769    -2.160     4.237 -1.30E-05  0.052477
                0.042926 -0.199160    10.261  0.763793  6.16E-05  0.141302
.
15504   0.300 -0.028698 -0.008769    -2.160     4.237 -0.648020  0.049846
                0.042926 -0.199160    10.261  0.763793     3.078  0.081557
.
.
15505       0  0.115774  0.025700 -7.59E-13  0.607723 -9.11E-18  0.045252
              -0.412795 -0.119331  5.15E-13    -2.762  6.18E-18  0.041344
.
15505   0.600  0.115774  0.025700 -7.59E-13  0.607723 -4.56E-13  0.060671
              -0.412795 -0.119331  5.15E-13    -2.762  3.09E-13 -0.030252
.
.
21101       0  0.001414 -0.001792    -7.843     3.223     3.159  0.001914
              -0.060309 -0.024101    38.145     2.161     2.232  0.034898
.
21101   2.300 -0.060309 -0.024101   -61.855     2.161   -40.034 -0.020533
              -0.090696 -0.072677  0.119446 -0.143776  0.124273 -0.077042
.
.
21111       0 -0.001266 -0.002456    -5.387     2.867  0.379925  0.002675
                0.006712 -0.024612    43.319     1.727    -2.124  0.033446
.
21111   2.300  0.006712 -0.024612   -56.681     1.727   -32.490 -0.023159
              -0.034632 -0.063296     3.255     2.794     9.696 -0.065550
.
.
21121       0 -0.001444 -0.004117    -4.194     1.988 -0.062549  0.004884
                0.030107 -0.011920    48.458  0.744357    -7.746  0.013743
.
21121   2.300  0.030107 -0.011920   -51.542  0.744357   -26.293 -0.013671
                0.016555 -0.061845     5.463     2.369    17.632 -0.067305
.
```

.							
21131	0	0.003721	-0.015123	-1.531	4.332	-1.648	0.017390
		0.047697	-0.056944	56.263	1.474	-8.832	0.067403
.							
21131	2.300	0.047697	-0.056944	-43.737	1.474	-9.428	-0.063564
		0.010694	-0.080064	6.357	1.348	15.029	-0.091976
.							
.							
21141	0	0.005038	-0.018960	-1.353	1.893	-2.213	0.021874
		0.057474	-0.049167	55.818	0.223230	-5.673	0.056248
.							
21141	2.300	0.057474	-0.049167	-44.182	0.223230	-7.291	-0.056832
		0.014631	-0.084019	8.175	1.379	19.846	-0.096507
.							
.							
21151	0	0.008324	-0.024673	-0.634356	-0.653720	-2.058	0.028510
		0.048167	-0.044577	57.568	-0.977475	-8.792	0.048942
.							
21151	2.300	0.048167	-0.044577	-42.432	-0.977475	-6.386	-0.053581
		0.023625	-0.091670	7.640	1.090	22.391	-0.104476
.							
.							
21161	0	0.019230	-0.044169	-1.494	-1.103	-1.700	0.051014
		0.044252	-0.101551	56.177	0.245298	-8.951	0.118721
.							
21161	2.300	0.044252	-0.101551	-43.823	0.245298	-9.745	-0.114837
		0.027674	-0.051828	8.263	-1.736	23.914	-0.061366
.							
.							
21171	0	0.026838	-0.064357	-2.528	-3.362	-1.669	0.073754
		0.095573	-0.125587	53.570	-1.068	-5.864	0.153825
.							
21171	2.300	0.095573	-0.125587	-46.430	-1.068	-12.654	-0.135014
		0.044632	-0.077248	8.087	-1.992	19.635	-0.083497
.							
.							
21181	0	0.027147	-0.085135	-2.359	-5.377	-0.936921	0.095689
		0.296518	-0.186495	53.098	-2.415	-9.071	0.247710
.							
21181	2.300	0.296518	-0.186495	-46.902	-2.415	-16.945	-0.181211
		0.177522	-0.120570	5.571	-1.983	13.087	-0.116207
.							
.							
21191	0	-0.006737	-0.030222	-4.125	-0.996089	1.606	0.032189
		0.405336	-0.257124	48.501	-0.849728	-14.203	0.318771
.							
21191	2.300	0.405336	-0.257124	-51.499	-0.849728	-32.650	-0.272592
		0.466881	-0.144961	2.609	-1.895	6.077	-0.138892
.							
.							
21201	0	0.009688	-0.006652	-2.495	4.347	4.070	0.006976
		-0.023127	-0.018383	85.599	-3.376	-40.897	0.023129
.							
21201	2.300	0.003185	-0.001498	-62.370	2.435	-38.848	-0.001986
		-0.059487	-0.058112	4.185	-6.164	5.538	-0.062696
.							
.							
21211	0	-0.023535	-0.075679	-4.762	-5.917	9.325	0.090769
		-0.004502	-0.022599	79.385	-2.809	-32.217	0.027776
.							
21211	2.300	0.001479	-0.002211	-57.794	2.019	-31.658	-0.002684
		0.006046	-0.009025	3.454	4.176	9.859	-0.010691
.							
.							
21221	0	0.006063	-0.081113	-10.062	-5.057	18.869	0.096164
		0.008054	-0.021232	75.503	-1.512	-26.561	0.025356
.							
21221	2.300	0.001081	-0.003030	-54.215	1.074	-26.278	-0.003498
		0.005504	-0.010811	6.272	3.574	18.433	-0.012480
.							
.							
21231	0	0.008143	-0.121685	-7.539	-3.158	15.269	0.141350
		0.026198	-0.077747	66.135	-3.424	-9.059	0.091183
.							
21231	2.300	0.007219	-0.012356	-47.648	2.413	-8.846	-0.014068
		0.009230	-0.016003	5.063	2.183	15.797	-0.018143
.							
.							
21241	0	0.018166	-0.121364	-10.410	-2.639	20.243	0.141088
		0.036511	-0.070279	64.747	-1.205	-5.871	0.081683
.							
21241	2.300	0.011074	-0.014295	-47.384	0.821383	-5.985	-0.016100
		0.014977	-0.018325	7.025	1.823	20.668	-0.020491
.							
.							
21251	0	0.033424	-0.119042	-12.495	-1.666	23.876	0.139320
		0.041858	-0.062512	64.742	1.023	-5.907	0.072651
.							
21251	2.300	0.017643	-0.017017	-46.755	-0.778066	-5.406	-0.018968
		0.025539	-0.022487	7.834	1.139	23.722	-0.024691
.							
.							
21261	0	0.053022	-0.055517	-13.124	2.697	25.437	0.065843
		0.062463	-0.112891	66.206	-0.000334	-9.325	0.134051
.							
21261	2.300	0.045029	-0.029805	-47.643	-0.044983	-8.847	-0.031998
		0.027957	-0.020792	8.243	-1.972	25.415	-0.022961
.							
.							
21271	0	0.081501	-0.045383	-10.305	3.670	20.051	0.055857
		0.110495	-0.098878	67.219	2.195	-11.300	0.119410
.							
21271	2.300	0.079762	-0.041256	-48.894	-1.614	-11.252	-0.043457
		0.042834	-0.025722	7.034	-2.656	20.664	-0.028322
.							
.							
21281	0	0.117856	-0.026011	-6.716	4.185	13.354	0.031878
		0.158349	-0.078515	69.783	4.318	-16.590	0.092521
.							
21281	2.300	0.132126	-0.055375	-49.944	-3.132	-15.978	-0.058648
		0.060020	-0.031069	4.671	-3.012	14.099	-0.034851
.							
.							
21291	0	0.143472	-0.101249	-5.292	5.729	9.486	0.107789
		0.183316	-0.211830	79.024	0.901538	-33.546	0.247902
.							
21291	2.300	0.100355	-0.029057	-55.546	-0.697528	-32.065	-0.032659
		0.173514	-0.060604	3.143	-4.137	9.584	-0.070442

.							
.							
21301	0	-0.004406	-0.000613	-2.37E-05	4.08E-05	1.54E-05	0.001152
		0.003620	0.000150	77.171	-2.952	-39.333	-0.000410
.							
21301	2.300	0.003620	0.000150	-22.829	-2.952	-6.844	-6.49E-05
		-0.003015	-0.013776	5.190	-2.243	3.101	-0.015943
.							
.							
21311	0	0.007443	-0.000554	-4.265	-5.171	9.871	2.17E-05
		0.002283	0.000164	71.916	-2.456	-31.673	-0.000316
.							
21311	2.300	0.002283	0.000164	-28.084	-2.456	-11.268	6.14E-05
		-0.001365	-0.017870	3.916	-2.018	0.523327	-0.020327
.							
.							
21321	0	0.005188	0.000617	-8.538	-4.424	19.324	-0.000900
		0.001883	0.000205	68.538	-1.321	-26.728	-0.000285
.							
21321	2.300	0.001883	0.000205	-31.462	-1.321	-14.093	0.000186
		0.002081	-0.018735	3.207	-1.455	-0.887614	-0.021259
.							
.							
21331	0	0.006393	0.002241	-6.326	-2.709	15.897	-0.002419
		0.006468	0.002475	60.568	-2.991	-9.119	-0.002754
.							
21331	2.300	0.006468	0.002475	-39.432	-2.991	-14.814	0.002938
		0.011812	-0.070803	1.204	-3.118	-7.501	-0.080706
.							
.							
21341	0	0.012741	0.006475	-8.803	-2.245	20.931	-0.006858
		0.010213	0.005174	59.522	-1.033	-5.703	-0.005661
.							
21341	2.300	0.010213	0.005174	-40.478	-1.033	-13.804	0.006239
		0.020426	-0.064577	1.104	-1.418	-8.791	-0.073663
.							
.							
21351	0	0.023895	0.012525	-10.534	-1.387	24.672	-0.013205
		0.016278	0.009161	59.406	0.936281	-5.664	-0.010035
.							
21351	2.300	0.016278	0.009161	-40.594	0.936281	-14.031	0.011035
		0.027652	-0.055372	0.371964	0.365097	-9.218	-0.063199
.							
.							
21361	0	0.025405	0.014985	-11.072	2.416	26.367	-0.016453
		0.043571	0.021286	60.565	0.077583	-9.114	-0.022279
.							
21361	2.300	0.043571	0.021286	-39.435	0.077583	-14.816	0.026677
		0.035482	-0.096676	1.228	0.809866	-7.476	-0.111131
.							
.							
21371	0	0.038364	0.022864	-8.805	3.276	20.927	-0.025252
		0.076728	0.033711	61.451	2.003	-10.989	-0.035069
.							
21371	2.300	0.076728	0.033711	-38.549	2.003	-14.652	0.042464
		0.030717	-0.082629	2.237	2.377	-6.254	-0.097271
.							
.							
21381	0	0.053620	0.031678	-5.795	3.733	14.198	-0.035614
		0.125768	0.047843	63.436	3.861	-16.286	-0.050284
.							
21381	2.300	0.125768	0.047843	-36.564	3.861	-15.385	0.059752
		-0.000828	-0.077058	2.425	3.762	-4.330	-0.093485
.							
.							
21391	0	0.165631	0.047421	-4.698	5.091	10.433	-0.055033
		0.084091	0.003070	71.208	0.842796	-33.360	-0.003427
.							
21391	2.300	0.084091	0.003070	-28.792	0.842796	-14.583	0.003635
		-0.163226	-0.224918	2.800	0.629941	1.123	-0.265800
.							
.							
21401	0	0.005218	-0.007468	-0.357660	-0.606733	1.152	0.008095
		0.000749	0.001391	6.147	-2.844	-11.500	-0.001713
.							
21401	2.300	0.005218	-0.007468	-0.357660	-0.606733	0.329590	-0.009080
		0.000749	0.001391	6.147	-2.844	2.637	0.001487
.							
.							
21411	0	0.001253	-0.010567	-0.150554	-0.593317	0.343567	0.011916
		0.002107	0.001825	4.430	-2.565	-9.844	-0.002061
.							
21411	2.300	0.001253	-0.010567	-0.150554	-0.593317	-0.002694	-0.012388
		0.002107	0.001825	4.430	-2.565	0.344440	0.002136
.							
.							
21421	0	0.000310	0.005987	-1.290	-4.494	2.098	-0.007281
		0.002399	0.001528	3.716	-1.860	-8.594	-0.001912
.							
21421	2.300	0.000310	0.005987	-1.290	-4.494	-0.868073	0.006489
		0.002399	0.001528	3.716	-1.860	-0.047956	0.001602
.							
.							
21431	0	0.000334	0.009703	-1.812	-3.592	2.569	-0.011286
		0.003781	-0.043383	2.549	-1.240	-6.312	0.050411
.							
21431	2.300	0.000334	0.009703	-1.812	-3.592	-1.597	0.011030
		0.003781	-0.043383	2.549	-1.240	-0.449678	-0.049365
.							
.							
21441	0	0.002844	0.015414	-1.866	-2.331	2.075	-0.017587
		0.007360	-0.040115	2.918	-0.699294	-7.262	0.046691
.							
21441	2.300	0.002844	0.015414	-1.866	-2.331	-2.216	0.017863
		0.007360	-0.040115	2.918	-0.699294	-0.551945	-0.045571
.							
.							
21451	0	0.008742	0.024545	-1.216	-0.729448	0.059474	-0.027718
		0.010895	-0.034529	3.092	-0.089903	-7.707	0.040229
.							
21451	2.300	0.008742	0.024545	-1.216	-0.729448	-2.738	0.028733
		0.010895	-0.034529	3.092	-0.089903	-0.596044	-0.039184
.							
.							
21461	0	0.007903	0.026551	-1.543	2.561	0.625513	-0.030525
		0.013110	-0.028119	3.198	0.541636	-7.823	0.032477
.							
21461	2.300	0.007903	0.026551	-1.543	2.561	-2.924	0.030540

```
                0.013110 -0.028119     3.198  0.541636 -0.468808 -0.032193
.
.
21471       0   0.010925  0.038111    -1.858     4.217    2.057 -0.043926
                0.025897  0.055525     3.215     3.180   -8.829 -0.064302
.
21471   2.300   0.010925  0.038111    -1.858     4.217   -2.216  0.043725
                0.025897  0.055525     3.215     3.180   -1.436  0.063401
.
.
21481       0   0.011720  0.049929    -1.491     5.409    1.989 -0.058174
                0.014824  0.069959     3.206     4.939   -8.199 -0.084317
.
21481   2.300   0.011720  0.049929    -1.491     5.409   -1.440  0.056658
                0.014824  0.069959     3.206     4.939 -0.825025  0.076583
.
.
21491       0   0.005663  0.054027 -0.815531     6.116    1.189 -0.063746
               -0.026435  0.003881     3.178  0.878808   -6.116 -0.008198
.
21491   2.300   0.005663  0.054027 -0.815531     6.116 -0.686815  0.060512
               -0.026435  0.003881     3.178  0.878808    1.192  0.000728
.
.
21501       0   0.460415 -0.088799 -0.581055    -3.574 -0.146426 -0.074536
                0.306765 -0.263306    58.718    -1.092   -31.330  0.218124
.
21501   2.300   0.306765 -0.263306   -41.282    -1.092   -26.279 -0.387454
               -0.007822  0.024727  0.039624    -1.185  0.043839  0.032725
.
.
21601       0   0.022776 -0.029403 -0.018623    -3.203  0.014419  0.022934
                0.120048 -0.516953    77.841     1.226   -34.246  0.570399
.
21601   2.300   0.037177 -0.004792   -49.967 -0.932180   -28.628 -0.025143
                0.106580 -0.357240  0.386906 -0.015143  0.118255 -0.446866
.
.
21701       0   0.061447 -0.024363 -0.070619     5.459  0.107082 -0.003069
                0.027565 -0.054765    68.949     1.127   -33.503  0.046360
.
21701   2.300   0.027565 -0.054765   -31.051     1.127   -19.922 -0.079593
               -0.113202 -0.322312  0.120719 -0.040104  0.160122 -0.319725
.
.
21801       0  -0.095797 -0.080562 -0.054407     2.037  0.147538  0.118811
               -0.015811  0.012428  0.075610 -0.007239 -0.024770 -0.009245
.
21801   2.300  -0.095797 -0.080562 -0.054407     2.037  0.022408 -0.066474
               -0.015811  0.012428  0.075610 -0.007239  0.149125  0.019339
.
.
22101       0   0.388274 -0.551612 -0.652120     2.674 -0.165867  0.832218
                0.537046 -0.160070    58.736     2.393   -31.583  0.433376
.
22101   2.300  -0.048060 -0.350423   -41.303  0.293057   -26.368 -0.514824
               -0.022184 -0.173830  0.082427     3.986  0.122756 -0.211941
.
.
```

```
22111       0  -0.005418  0.088752    -4.349     3.525  0.725962 -0.092717
                0.736324  0.273967    47.688     1.900    -9.497 -0.383785
.
22111   2.300   0.736324  0.273967   -52.312     1.900   -29.816  0.246314
                0.567739  0.109582     4.306     2.626    10.498  0.075283
.
.
22121       0   0.037352  0.105396    -3.871     2.384  0.090173 -0.116615
                0.208860  0.273235    49.537  0.777813    -9.008 -0.353147
.
22121   2.300   0.208860  0.273235   -50.463  0.777813   -25.073  0.275269
                0.179864  0.148560     6.875     2.288    20.099  0.145132
.
.
22131       0   0.033060  0.062412 -0.249832     5.247    -2.104 -0.071637
                0.071167  0.118605    57.371     1.430    -8.106 -0.137442
.
22131   2.300   0.071167  0.118605   -42.629     1.430    -6.154  0.135337
                0.027149 -0.029983     6.499     1.251    15.553 -0.036924
.
.
22141       0   0.000599  0.202577 -0.084597  0.185849 -0.041105 -0.231290
                0.066625  0.102426    57.226  0.160805    -4.955 -0.116195
.
22141   2.300   0.066625  0.102426   -42.774  0.160805    -3.336  0.119376
                0.021809 -0.052105     8.853     1.546    21.481 -0.059148
.
.
22151       0   0.000749 -0.221794 -0.045971 -0.190564 -0.034413  0.254113
                0.059139  0.093297    58.689    -1.022    -7.873 -0.108554
.
22151   2.300   0.059139  0.093297   -41.311    -1.022    -2.889  0.106020
                0.033188 -0.071501     9.097     1.484    25.492 -0.080653
.
.
22161       0   0.025596 -0.033277 -0.237092    -1.201    -2.113  0.038365
                0.054348 -0.087523    57.433  0.727186    -8.109  0.102021
.
22161   2.300   0.054348 -0.087523   -42.567  0.727186    -6.013 -0.099273
                0.035383  0.075974     9.656    -1.641    26.911  0.085983
.
.
22171       0   0.034443 -0.064007    -1.411    -1.017    -2.180  0.073465
                0.089183 -0.114327    55.125 -0.653935    -5.235  0.138319
.
22171   2.300   0.089183 -0.114327   -44.875 -0.653935    -8.449 -0.124622
                0.048260  0.036697     8.796    -1.652    21.352  0.048198
.
.
22181       0   0.044055 -0.099215    -2.116    -6.556    -1.324  0.112547
                0.263058 -0.183166    54.255    -2.129    -8.363  0.245395
.
22181   2.300   0.263058 -0.183166   -45.745    -2.129   -13.577 -0.175870
                0.184805 -0.038194     5.828    -1.400    13.875 -0.016350
.
.
22191       0  -0.006153 -0.039781    -4.256    -1.240     1.489  0.042124
                0.348599 -0.277692    47.955 -0.887795   -12.940  0.348172
.
```

```
22191   2.300  0.348599 -0.277692   -52.045 -0.887795   -32.643 -0.290495
               0.730186 -0.271246     2.666   -3.114    10.168 -0.255422
.
.
22201        0  0.021853 -0.011643 -0.014723    2.697 -0.003970  0.027713
               0.020212 -0.689408    77.995  0.065128   -34.468  0.759445
.
22201   2.300 -0.050602 -0.004059   -50.012 -0.007267   -28.671 -0.031589
               0.044242 -0.522345  0.403733  0.019657  0.076303 -0.607015
.
.
22211        0 -0.027399 -0.119306    -5.919   -6.842    10.972  0.164854
              -0.202472  0.160085    76.858   -3.204   -29.357 -0.150183
.
22211   2.300  0.286418  0.076063   -54.840    2.300   -28.253  0.085535
               0.147771  0.052717     4.426    4.775    12.311  0.064918
.
.
22221        0  0.111542  0.031161   -11.321   -5.872    21.504 -0.026299
               0.018515  0.262173    74.264   -1.622   -24.717 -0.285897
.
22221   2.300  0.197927  0.075598   -53.092    1.168   -23.731  0.075925
               0.126894  0.051856     7.548    4.118    22.815  0.056843
.
.
22231        0  0.073263 -0.114004    -7.335   -3.635    15.968  0.129448
               0.118279  0.085935    64.586   -3.951    -5.387 -0.101422
.
22231   2.300  0.087577  0.036456   -46.361    2.782    -3.155  0.038859
               0.059520  0.009631     5.149    2.495    18.446  0.009703
.
.
22241        0  0.052003 -0.107606   -10.743   -3.098    22.033  0.122953
               0.085490  0.106606    62.985   -1.296    -1.640 -0.126277
.
22241   2.300  0.060390  0.021621   -45.890  0.912930  0.540443  0.023148
               0.047048  0.000290     7.515    2.142    24.525 -0.000268
.
.
22251        0  0.049857 -0.104760   -13.636   -2.022    26.997  0.122048
               0.062982  0.116702    63.296    1.366    -2.028 -0.136109
.
22251   2.300  0.049264  0.009413   -45.568 -0.962866  0.775414  0.010485
               0.046254 -0.009561     8.972    1.412    28.876 -0.010427
.
.
22261        0  0.062533  0.121960   -14.144    3.317    28.474 -0.139160
               0.072115 -0.098254    64.513 -0.074649    -5.258  0.117359
.
22261   2.300  0.059940 -0.021565   -46.361  0.055192    -3.145 -0.022681
               0.052667 -0.001512     9.320   -2.324    30.794 -0.000825
.
.
22271        0  0.098466  0.127797   -10.676    4.392    21.913 -0.141157
               0.121573 -0.081105    65.162    2.559    -6.895  0.100185
.
22271   2.300  0.093068 -0.037812   -47.317   -1.800    -5.507 -0.039270
               0.069788 -0.012568     7.517   -3.054    24.517 -0.012441
.
```

```
.
22281        0  0.176620  0.140586    -6.699    4.927    14.265 -0.153438
               0.179964 -0.044997    68.035    5.125   -12.955  0.054796
.
22281   2.300  0.148097 -0.057568   -48.670   -3.609   -11.452 -0.060693
               0.096713 -0.023059     4.806   -3.402    16.517 -0.024691
.
.
22291        0  0.166239 -0.025912    -6.382    6.822    11.552  0.016288
               0.087761 -0.234662    78.891    1.107   -33.183  0.269276
.
22291   2.300  0.097090 -0.036571   -55.672 -0.826118   -31.727 -0.041089
               0.195084 -0.067025     4.143   -4.798    12.290 -0.078692
.
.
22301        0  0.055453 -0.044089 -0.003849   -6.133  0.012163  0.088327
              -0.047165 -0.075760    68.998  0.021247   -33.552  0.064351
.
22301   2.300  0.116058  0.119801   -31.104   -3.416   -19.996  0.214291
               0.013350 -0.525371  0.111500  0.045115  0.137619 -0.590734
.
.
22311        0  0.164680 -0.070744    -5.443   -5.912    12.498  0.083182
               0.312747 -0.044027    69.407   -2.816   -28.741  0.046347
.
22311   2.300  0.312747 -0.044027   -30.593   -2.816   -14.106 -0.054910
               0.190145  0.224356     3.320   -2.476  0.036214  0.243558
.
.
22321        0  0.128223 -0.055259    -9.969   -5.092    23.664  0.059391
               0.205198 -0.045705    67.231   -1.443   -24.109  0.039970
.
22321   2.300  0.205198 -0.045705   -32.769   -1.443   -14.479 -0.065147
               0.074760  0.277903     3.147   -1.730    -1.389  0.310446
.
.
22331        0  0.055456 -0.025639    -6.461   -3.097    18.523  0.027916
               0.084311 -0.033334    58.887   -3.441    -3.316  0.035096
.
22331   2.300  0.084311 -0.033334   -41.113   -3.441   -12.877 -0.041568
               0.070518  0.056550  0.440956   -3.826    -9.067  0.061096
.
.
22341        0  0.043221 -0.011684    -9.393   -2.641    24.745  0.012856
               0.057377 -0.014550    57.633   -1.139  0.893510  0.015087
.
22341   2.300  0.057377 -0.014550   -42.367   -1.139   -11.552 -0.018377
               0.049008  0.089973  0.189200   -1.672   -10.562  0.102574
.
.
22351        0  0.043377  0.002057   -11.817   -1.721    29.736 -0.001732
               0.046510  0.001061    57.829    1.171  0.616198 -0.001543
.
22351   2.300  0.046510  0.001061   -42.171    1.171   -11.378  0.000898
              -0.012726 -0.361441  0.050700 -0.074168 -0.035558 -0.417752
.
.
22361        0  0.049208  0.015772   -12.288    2.859    31.653 -0.017307
               0.057694  0.017126    58.892 -0.040269    -3.305 -0.017603
```

.							
22361	2.300	0.057694	0.017126	-41.118	-0.040269	-12.876	0.021786
		0.046014	-0.080311	0.440001	0.964488	-9.096	-0.091993
.							
.							
22371	0	0.064099	0.031259	-9.391	3.779	24.736	-0.034245
		0.089676	0.035909	59.476	2.240	-5.164	-0.037347
.							
22371	2.300	0.089676	0.035909	-40.524	2.240	-13.370	0.045239
		0.049607	-0.054827	1.591	2.973	-7.875	-0.064335
.							
.							
22381	0	0.086145	0.045892	-5.987	4.230	16.593	-0.051488
		0.141551	0.057977	61.789	4.459	-11.643	-0.061416
.							
22381	2.300	0.141551	0.057977	-38.211	4.459	-14.530	0.071925
		0.032040	-0.029471	2.018	4.767	-5.601	-0.037724
.							
.							
22391	0	0.187571	0.065221	-5.779	5.918	13.070	-0.076055
		0.091169	0.008818	71.101	1.002	-32.819	-0.009419
.							
22391	2.300	0.091169	0.008818	-28.899	1.002	-14.288	0.010862
		-0.056919	-0.251766	2.961	0.831861	1.036	-0.293145
.							
.							
22401	0	-0.043391	0.217044	-0.065431	-3.566	0.114360	-0.268485
		-0.005221	0.027213	0.067877	0.006841	-0.016320	-0.032075
.							
22401	2.300	-0.043391	0.217044	-0.065431	-3.566	-0.036125	0.230697
		-0.005221	0.027213	0.067877	0.006841	0.139792	0.030512
.							
.							
22411	0	0.054860	-0.074179	-1.180	-6.115	2.179	0.083790
		-0.022237	-0.061625	3.682	-3.201	-7.902	0.082582
.							
22411	2.300	0.054860	-0.074179	-1.180	-6.115	-0.534136	-0.086816
		-0.022237	-0.061625	3.682	-3.201	0.565113	-0.059149
.							
.							
22421	0	0.029950	-0.061201	-2.220	-5.518	3.968	0.068904
		0.037196	-0.085226	3.561	-2.275	-8.142	0.103098
.							
22421	2.300	0.029950	-0.061201	-2.220	-5.518	-1.138	-0.071854
		0.037196	-0.085226	3.561	-2.275	0.049502	-0.092914
.							
.							
22431	0	0.016741	-0.037021	-2.905	-4.477	4.930	0.042127
		0.028347	0.045074	2.919	-1.881	-7.434	-0.053833
.							
22431	2.300	0.016741	-0.037021	-2.905	-4.477	-1.751	-0.043019
		0.028347	0.045074	2.919	-1.881	-0.721268	0.049832
.							
.							
22441	0	0.012562	-0.014589	-3.100	-2.979	4.721	0.016765
		0.018815	0.068541	3.326	-1.011	-8.511	-0.080390
.							
22441	2.300	0.012562	-0.014589	-3.100	-2.979	-2.408	-0.016789
		0.018815	0.068541	3.326	-1.011	-0.861460	0.077247

.							
.							
22451	0	0.014378	0.006910	-2.492	-1.025	2.679	-0.007549
		0.016070	0.085074	3.460	-0.034337	-8.896	-0.098689
.							
22451	2.300	0.014378	0.006910	-2.492	-1.025	-3.053	0.008344
		0.016070	0.085074	3.460	-0.034337	-0.938392	0.096973
.							
.							
22461	0	0.015153	0.020702	-2.978	3.246	3.612	-0.023865
		0.016868	0.098477	3.515	0.968810	-8.887	-0.114248
.							
22461	2.300	0.015153	0.020702	-2.978	3.246	-3.238	0.023747
		0.016868	0.098477	3.515	0.968810	-0.803326	0.112241
.							
.							
22471	0	0.019214	0.045586	-3.091	5.260	4.709	-0.052217
		0.009183	0.105536	2.930	1.900	-7.470	-0.124713
.							
22471	2.300	0.019214	0.045586	-3.091	5.260	-2.400	0.052625
		0.009183	0.105536	2.930	1.900	-0.730958	0.118011
.							
.							
22481	0	0.029710	0.071167	-2.401	6.685	3.974	-0.081163
		0.032460	0.089105	2.710	6.161	-7.416	-0.105534
.							
22481	2.300	0.029710	0.071167	-2.401	6.685	-1.549	0.082515
		0.032460	0.089105	2.710	6.161	-1.184	0.099398
.							
.							
22491	0	0.047065	0.080065	-1.288	7.517	2.230	-0.091666
		-0.020013	0.013216	3.320	1.118	-6.523	-0.020163
.							
22491	2.300	0.047065	0.080065	-1.288	7.517	-0.731726	0.092476
		-0.020013	0.013216	3.320	1.118	1.113	0.010231
.							
.							
22501	0	0.489286	0.034839	-0.676738	-3.377	-0.161119	-0.280898
		0.304057	-0.116650	58.608	-1.201	-31.277	0.038181
.							
22501	2.300	0.304057	-0.116650	-41.392	-1.201	-26.480	-0.230102
		-0.007809	0.037029	0.039853	-1.488	0.042908	0.048430
.							
.							
22601	0	0.038311	-0.026874	-0.016485	-3.566	-0.002639	0.009606
		0.075958	-0.301670	77.846	1.528	-34.293	0.347482
.							
22601	2.300	0.034816	0.009131	-49.964	-1.129	-28.617	-0.013178
		0.046987	-0.204245	0.476850	-0.002966	0.161710	-0.240624
.							
.							
22701	0	0.068304	-0.021661	-0.061884	6.344	0.090206	-0.017561
		0.029958	-0.046239	68.932	1.369	-33.475	0.030144
.							
22701	2.300	0.029958	-0.046239	-31.068	1.369	-19.934	-0.076202
		-0.068447	-0.147376	0.157369	-0.033992	0.211638	-0.135016
.							
.							
22801	0	-0.098067	-0.158633	-0.059848	3.301	0.184371	0.226536

		-0.040219	0.030632	0.119053	0.005971	-0.128629	-0.010583
.							
22801	2.300	-0.098067	-0.158633	-0.059848	3.301	0.046727	-0.138305
		-0.040219	0.030632	0.119053	0.005971	0.145182	0.059868
.							
.							
23101	0	0.527831	-0.631645	-0.816978	0.978022	-0.237504	1.087
		0.677854	-0.043943	58.551	2.478	-31.561	0.474974
.							
23101	2.300	-0.012141	-0.182072	-41.471	0.323923	-26.679	-0.352648
		-0.010598	-0.200071	0.060862	5.589	0.082816	-0.238022
.							
.							
23111	0	0.023631	0.145224	-4.106	4.877	0.226504	-0.152984
		0.801693	0.403440	48.246	1.782	-8.127	-0.571020
.							
23111	2.300	0.801693	0.403440	-51.754	1.782	-27.161	0.356856
		0.670511	0.256195	5.315	1.078	12.779	0.211926
.							
.							
23121	0	0.050793	0.125842	-3.229	3.126	-0.498706	-0.139895
		0.175680	0.291571	50.867	0.248151	-7.826	-0.373859
.							
23121	2.300	0.175680	0.291571	-49.133	0.248151	-20.832	0.296726
		0.169654	0.176257	9.336	1.077	25.355	0.176107
.							
.							
23131	0	-0.014628	0.219634	-0.136141	0.221584	-0.057122	-0.245830
		0.077820	0.098877	59.689	0.518821	-6.634	-0.112214
23131	2.300	0.077820	0.098877	-40.311	0.518821	0.648939	0.115195
		0.028027	-0.064118	6.314	0.395722	15.732	-0.076339
.							
.							
23141	0	-0.004359	0.245569	-0.062978	0.187169	-0.044133	-0.279582
		0.075304	0.072477	60.066	-0.541693	-3.724	-0.081994
.							
23141	2.300	0.075304	0.072477	-39.934	-0.541693	4.427	0.084697
		0.022673	-0.094576	9.529	1.405	23.486	-0.108841
.							
.							
23151	0	0	0.276835	-0.023668	0.185345	-0.030689	-0.315078
		0.064801	0.063115	60.738	-1.431	-6.233	-0.074472
.							
23151	2.300	0.064801	0.063115	-39.262	-1.431	3.464	0.070687
		0.034990	-0.116016	11.304	2.046	30.420	-0.131967
.							
.							
23161	0	0.004418	-0.286115	-0.062743	-0.206272	-0.042246	0.326213
		0.063836	-0.131825	59.765	1.715	-6.634	0.151996
.							
23161	2.300	0.063836	-0.131825	-40.235	1.715	0.823744	-0.151190
		0.037857	0.046468	11.693	-1.500	31.526	0.050899
.							
.							
23171	0	0.002867	-0.274840	-0.133454	-0.240301	-0.051699	0.308589
		0.082413	-0.155963	58.250	0.419099	-4.258	0.179663
.							
23171	2.300	0.082413	-0.155963	-41.750	0.419099	-0.283297	-0.179037

		0.036365	0.008192	9.462	-0.768091	23.330	0.010944
.							
.							
23181	0	0.059661	-0.129228	-0.271633	-8.688	-2.041	0.147240
		0.197213	-0.223699	56.672	-1.130	-7.205	0.285665
.							
23181	2.300	0.197213	-0.223699	-43.328	-1.130	-6.860	-0.228822
		0.128813	-0.063853	5.789	0.153998	14.305	-0.049933
.							
.							
23191	0	0.000155	-0.056387	-4.373	-1.727	1.208	0.058973
		0.293610	-0.291825	47.384	-0.881436	-11.044	0.373773
.							
23191	2.300	0.293610	-0.291825	-52.616	-0.881436	-32.061	-0.297399
		0.718929	-0.306572	4.767	-2.141	14.315	-0.264768
.							
.							
23201	0	-0.005737	0.021383	-1.30E-05	4.15E-05	1.50E-06	-0.028865
		0.090751	-0.467644	78.027	0.056122	-34.581	0.538708
.							
23201	2.300	-0.052582	0.016922	-50.012	-0.009320	-28.658	-0.017915
		0.048096	-0.471383	0.507265	0.004047	0.114241	-0.550771
.							
.							
23211	0	0.165909	-0.126755	-6.723	-9.054	13.419	0.177102
		-0.028349	0.171039	75.230	-4.407	-26.369	-0.156158
.							
23211	2.300	0.304241	0.107833	-53.768	2.958	-24.860	0.119871
		0.180774	0.065500	5.328	5.770	16.682	0.084017
.							
.							
23221	0	0.197066	0.014106	-13.384	-7.863	26.889	-0.018221
		0.104794	0.260794	71.854	-2.097	-20.108	-0.297106
.							
23221	2.300	0.186973	0.083235	-51.413	1.342	-18.399	0.083627
		0.146236	0.057661	9.638	5.059	31.662	0.063334
.							
.							
23231	0	0.070769	0.304156	-8.773	-0.131806	16.317	-0.358532
		0.129018	0.060827	61.730	-5.331	2.139	-0.077228
.							
23231	2.300	0.093081	0.036212	-43.867	3.431	8.856	0.038010
		0.095099	0.049469	6.001	0.008635	18.000	0.049687
.							
.							
23241	0	0.044527	-0.166183	-10.658	-4.129	24.495	0.191520
		0.081887	0.076432	59.763	-1.710	6.760	-0.091953
.							
23241	2.300	0.059683	0.018608	-42.889	1.041	14.392	0.019493
		0.046608	-0.002251	8.181	2.706	32.153	-0.003457
.							
.							
23251	0	0.046838	-0.166358	-15.137	-2.807	32.213	0.194549
		0.061759	0.085838	60.926	1.926	5.163	-0.100746
.							
23251	2.300	0.047597	0.006024	-43.209	-1.352	13.795	0.006683
		0.044178	-0.011990	10.885	1.951	39.291	-0.013203
.							
.							

```
23261       0  0.061291  0.090414  -15.368     4.516    33.436 -0.103470
               0.073637 -0.160819   61.643 -0.241218     2.305  0.190758
.
23261   2.300  0.059129 -0.024222  -43.875  0.309161     8.868 -0.025587
               0.053898 -0.005101   11.172    -2.992    41.704 -0.004570
.
.
23271       0  0.095344  0.094182  -10.584     5.846    24.348 -0.103207
               0.128052 -0.144131   61.345     3.348     1.752  0.174377
.
23271   2.300  0.096513 -0.043343  -44.157    -2.079     6.769 -0.045476
               0.078784 -0.018394    8.192    -3.742    32.146 -0.018454
.
.
23281       0  0.167840  0.121867   -6.036     6.471    15.038 -0.135532
               0.192327 -0.091016   64.728     6.865    -5.699  0.105304
.
23281   2.300  0.159416 -0.069909  -46.096    -4.438    -1.716 -0.075494
               0.118321 -0.032317    4.887    -4.028    21.229 -0.035542
.
.
23291       0  0.129544  0.053267   -8.384     9.155    15.640 -0.097008
               0.002487 -0.245905   78.375     1.548   -32.112  0.269959
.
23291   2.300  0.101309 -0.048257  -55.599    -1.067   -30.614 -0.054346
               0.213897 -0.084672    6.004    -5.958    17.932 -0.103536
.
.
23301       0 -0.088052 -0.049919 -0.000373  0.002294  0.019091 -0.010135
              -0.055725 -0.074778   68.977  0.023786   -33.515  0.049622
.
23301   2.300  0.121331  0.158358  -31.124    -4.528   -20.018  0.288914
              -0.004505 -0.510263  0.147263  0.034903  0.186794 -0.582850
.
.
23311       0  0.181107 -0.095056   -6.482    -7.220    16.832  0.115187
               0.314316 -0.078291   67.888    -3.654   -25.116  0.083592
.
23311   2.300  0.314316 -0.078291  -32.112    -3.654   -13.976 -0.096470
               0.065796  0.254193    3.374    -3.745 -0.787872  0.282890
.
.
23321       0  0.139326 -0.073685  -12.313    -6.310    32.393  0.081203
               0.186591 -0.059955   65.023    -1.685   -18.562  0.056362
.
23321   2.300  0.186591 -0.059955  -34.977    -1.685   -14.010 -0.081528
               0.031304  0.258411    2.941    -2.533    -2.751  0.298151
.
.
23331       0  0.093093 -0.025877   -7.847 -0.043776    18.683  0.022761
               0.087460 -0.043250   55.722    -4.275     8.860  0.046195
.
23331   2.300  0.087460 -0.043250  -44.278    -4.275    -7.981 -0.053276
              -0.040578  0.432803  0.076465  0.041761  0.008390  0.501628
.
.
23341       0  0.041269 -0.018535  -10.144    -3.368    32.310  0.020279
               0.055194 -0.018854   53.965    -1.311    14.850  0.019775
.
```

```
23341   2.300  0.055194 -0.018854  -46.035    -1.311    -6.032 -0.023587
              -0.025979  0.423694  0.059916  0.049854 -0.026486  0.492643
.
.
23351       0  0.039292 -0.001556  -13.941    -2.397    40.019  0.002349
               0.042775  0.000363   54.848     1.656    13.790 -0.000698
.
23351   2.300  0.042775  0.000363  -45.152     1.656    -5.061  0.000137
              -0.011819  0.418493  0.038974  0.059246 -0.049650  0.486333
.
.
23361       0  0.048175  0.018995  -14.319     3.707    42.425 -0.020509
               0.055037  0.017013   55.724 -0.342799     8.872 -0.017276
.
23361   2.300  0.055037  0.017013  -44.276 -0.342799    -7.963  0.021852
              -0.016003 -0.455759  0.058714 -0.066150 -0.046802 -0.528602
.
.
23371       0  0.072053  0.040757  -10.149     4.672    32.302 -0.044077
               0.092139  0.041707   55.604     2.616     7.232 -0.043662
.
23371   2.300  0.092139  0.041707  -44.396     2.616    -9.879  0.052261
               0.068722 -0.100104  0.112624     4.190   -10.799 -0.113942
.
.
23381       0  0.110557  0.064195   -6.075     5.059    21.269 -0.071743
               0.154616  0.074992   58.536     5.534    -1.725 -0.080766
.
23381   2.300  0.154616  0.074992  -41.464     5.534   -12.093  0.091710
               0.095725 -0.041418  0.968548     6.940    -8.062 -0.043976
.
.
23391       0  0.217242  0.100547   -7.826     7.419    18.612 -0.118953
               0.106105  0.020163   70.643     1.309   -31.404 -0.021152
.
23391   2.300  0.106105  0.020163  -29.357     1.309   -13.927  0.025220
               0.053713 -0.265903     3.188     1.292  0.764949 -0.300033
.
.
23401       0 -0.118632 -0.083803 -0.063098    -6.251  0.243667  0.052491
               0.069440  0.032554  0.142030    -8.068 -0.210894  0.010925
.
23401   2.300 -0.118632 -0.083803 -0.063098    -6.251  0.098547 -0.140247
               0.069440  0.032554  0.142030    -8.068  0.115762  0.085795
.
.
23411       0  0.099654 -0.120327   -1.952     -7.920     4.007  0.131354
              -0.002511 -0.113935     3.669     -4.563    -8.254  0.148903
.
23411   2.300  0.099654 -0.120327   -1.952     -7.920 -0.482079 -0.145387
              -0.002511 -0.113935     3.669     -4.563  0.184469 -0.113138
.
.
23421       0  0.036771 -0.088476   -3.787     -7.297     7.616  0.099035
               0.048583 -0.108596     3.250     -3.105    -7.912  0.130133
.
23421   2.300  0.036771 -0.088476   -3.787     -7.297    -1.095 -0.104452
               0.048583 -0.108596     3.250     -3.105 -0.436907 -0.119627
.
```

```
.
23431       0  0.015736 -0.050287    -5.139    -6.130    10.037  0.057511
               0.024838  0.008736     3.369    -3.649    -9.076 -0.011040
.
23431   2.300  0.015736 -0.050287    -5.139    -6.130    -1.781 -0.058145
               0.024838  0.008736     3.369    -3.649    -1.329  0.009052
.
.
23441       0  0.009526 -0.021363    -5.775    -4.325    10.702  0.024466
               0.018460  0.032542     3.734    -1.921   -10.149 -0.038716
.
23441   2.300  0.009526 -0.021363    -5.775    -4.325    -2.579 -0.024667
               0.018460  0.032542     3.734    -1.921    -1.561  0.036127
.
.
23451       0  0.009996  0.003627    -5.347    -1.801     8.813 -0.003948
               0.015067  0.051529     3.683 -0.007402   -10.170 -0.060048
.
23451   2.300  0.009996  0.003627    -5.347    -1.801    -3.484  0.004395
               0.015067  0.051529     3.683 -0.007402    -1.699  0.058464
.
.
23461       0  0.011913  0.024859    -6.108     4.630    10.416 -0.028567
               0.016442  0.069316     3.564     1.929    -9.743 -0.080052
.
23461   2.300  0.011913  0.024859    -6.108     4.630    -3.632  0.028606
               0.016442  0.069316     3.564     1.929    -1.545  0.079368
.
.
23471       0  0.019248  0.058917    -5.754     7.203    10.667 -0.067435
               0.023200 -0.063703     3.161     3.121    -8.332  0.074962
.
23471   2.300  0.019248  0.058917    -5.754     7.203    -2.568  0.068069
               0.023200 -0.063703     3.161     3.121    -1.061 -0.071550
.
.
23481       0  0.043033  0.104546    -4.337     8.937     8.368 -0.117494
               0.013077 -0.040104     2.444     4.272    -6.376  0.042020
.
23481   2.300  0.043033  0.104546    -4.337     8.937    -1.608  0.122953
               0.013077 -0.040104     2.444     4.272 -0.755539 -0.050217
.
.
23491       0  0.110499  0.143547    -2.271     9.899     4.490 -0.158222
              -0.006701  0.030918     3.505     1.605    -7.146 -0.042677
.
23491   2.300  0.110499  0.143547    -2.271     9.899 -0.732219  0.171924
              -0.006701  0.030918     3.505     1.605  0.914705  0.028431
.
.
23501       0  0.575342  0.522259 -0.851082    -2.361 -0.253479 -0.983877
               0.327283  0.099148    58.418    -1.356   -31.191 -0.242635
.
23501   2.300  0.327283  0.099148   -41.582    -1.356   -26.830 -0.014604
              -0.007206  0.068845  0.034990    -2.119  0.032008  0.085925
.
.
23601       0 -0.133812 -0.066616 -0.012842  0.001751  0.078100  0.180285
               0.029607  0.039171    77.861     2.196   -34.394  0.003381
```



```
.
23601   2.300  0.035165  0.036289   -49.960    -1.530   -28.601  0.007607
               0.007899  0.356118  0.500689  0.004058  0.148787  0.441201
.
.
23701       0  0.076026  0.021809 -0.044789     7.936  0.047384 -0.091664
               0.036005 -0.039019    68.906     1.869   -33.434  0.006582
.
23701   2.300  0.036005 -0.039019   -31.094     1.869   -19.953 -0.083159
               0.002165  0.416067  0.153042 -0.027509  0.203810  0.470213
.
.
23801       0 -0.133669  0.001200 -0.055885     5.261  0.210570  0.043383
               0.074847 -0.022593  0.156193    10.149 -0.220661 -0.026990
.
23801   2.300 -0.133669  0.001200 -0.055885     5.261  0.082040  0.046143
               0.074847 -0.022593  0.156190    10.149  0.138561 -0.078952
.
.
24101       0  0.447065 -0.094830 -0.653329     2.673 -0.162483  0.334389
               0.591619  0.192564    58.736     2.393   -31.581  0.055946
.
24101   2.300  0.016594  0.062954   -41.285  0.297261   -26.383 -0.002343
              -0.017266 -0.121199  0.082543     3.986  0.122747 -0.150985
.
.
24111       0 -0.002698  0.097533    -4.349     3.525  0.725904 -0.102993
               0.845021  0.372748    47.688     1.900    -9.497 -0.499438
.
24111   2.300  0.845021  0.372748   -52.312     1.900   -29.815  0.357847
               0.677035  0.226198     4.306     2.625    10.499  0.207123
.
.
24121       0  0.037514  0.104116    -3.871     2.384  0.090157 -0.115370
               0.264057  0.263489    49.537  0.777385    -9.008 -0.348221
.
24121   2.300  0.264057  0.263489   -50.463  0.777385   -25.073  0.257779
               0.234462  0.137733     6.875     2.288    20.100  0.126068
.
.
24131       0  0.033250  0.056479 -0.249852     5.247    -2.104 -0.065052
               0.084841  0.061767    57.371     1.430    -8.106 -0.075895
.
24131   2.300  0.084841  0.061767   -42.629     1.430    -6.154  0.066163
               0.040025 -0.087308     6.499     1.250    15.553 -0.106616
.
.
24141       0 -0.005789  0.175544 -0.094901  0.200148 -0.046849 -0.200810
               0.066775  0.033103    57.226  0.160361    -4.955 -0.037881
.
24141   2.300  0.066775  0.033103   -42.774  0.160361    -3.336  0.038252
               0.021660 -0.121223     8.853     1.545    21.481 -0.139999
.
.
24151       0 -0.005939  0.190569 -0.047313  0.175245 -0.037169 -0.218086
               0.059189  0.022006    58.689    -1.023    -7.873 -0.027226
.
24151   2.300  0.059189  0.022006   -41.311    -1.023    -2.889  0.023386
               0.033038 -0.142241     9.097     1.484    25.492 -0.162650
```

```
.
.
24161       0  0.025998 -0.038852 -0.237087    -1.201    -2.113  0.044716
               0.054049 -0.156172   57.433   0.726748    -8.109  0.179563
.
24161   2.300  0.054049 -0.156172  -42.567   0.726748    -6.013 -0.179617
               0.035933  0.006441    9.656    -1.642    26.911  0.004635
.
.
24171       0  0.034489 -0.069443   -1.411    -4.017    -2.180  0.079509
               0.075259 -0.170402   55.125 -0.654383    -5.236  0.199004
.
24171   2.300  0.075259 -0.170402  -44.875 -0.654383    -8.449 -0.192905
               0.035084 -0.020721    8.796    -1.652    21.352 -0.021627
.
.
24181       0  0.042034 -0.102582   -2.116    -6.556    -1.324  0.116002
               0.208061 -0.193685   54.255    -2.129    -8.363  0.250898
.
24181   2.300  0.208061 -0.193685  -45.745    -2.129   -13.577 -0.194559
               0.130756 -0.050334    5.829    -1.401    13.875 -0.037029
.
.
24191       0 -0.012106 -0.033203   -4.256    -1.240     1.489  0.034282
               0.220837 -0.173843   47.955 -0.888194   -12.940  0.224572
.
24191   2.300  0.220837 -0.173843  -52.045 -0.888194   -32.644 -0.175250
               0.620291 -0.157771    2.666    -3.115    10.167 -0.127208
.
.
24201       0  0.031876  0.024633 -0.014540     2.697 -0.004175 -0.010933
               0.126314  0.025199   78.011  0.063194   -34.493  0.000920
.
24201   2.300 -0.042414  0.025614  -50.007 -0.007286   -28.672  0.008042
               0.080774  0.127676  0.485286  0.011057  0.135799  0.166908
.
.
24211       0  0.201673 -0.036817   -5.919    -6.842    10.972  0.053153
               0.033837  0.205234   76.859    -3.204   -29.357 -0.218651
.
24211   2.300  0.281028  0.079554  -54.840     2.300   -28.253  0.088960
               0.158911  0.054134    4.426     4.775    12.311  0.065153
.
.
24221       0  0.189995 -0.022990   -11.321    -5.872    21.504  0.021674
               0.102508  0.197021   74.264    -1.622   -24.717 -0.225461
.
24221   2.300  0.190825  0.071609   -53.091     1.168   -23.731  0.071545
               0.128560  0.046028     7.548     4.118    22.815  0.049280
.
.
24231       0  0.079701 -0.190891   -7.335    -3.636    15.968  0.214101
               0.124567  0.007888   64.586    -3.952    -5.387 -0.015546
.
24231   2.300  0.085899  0.029920   -46.361     2.782    -3.155  0.031177
               0.058625  0.003912     5.149     2.495    18.446  0.002928
.
.
24241       0  0.046413 -0.189643   -10.743    -3.098    22.033  0.217599
               0.079701  0.023900    62.985    -1.296    -1.640 -0.030812
.
24241   2.300  0.059033  0.015268   -45.890  0.912909  0.540428  0.015927
               0.046080 -0.005459     7.515     2.142    24.525 -0.006813
.
.
24251       0  0.049757 -0.188266   -13.636    -2.022    26.997  0.219199
               0.063032  0.032881    63.296     1.365    -2.028 -0.038569
.
24251   2.300  0.049152  0.003176   -45.568 -0.962886  0.775406  0.003434
               0.046370 -0.015327     8.972     1.412    28.876 -0.016922
.
.
24261       0  0.068322  0.039495   -14.144     3.317    28.474 -0.043988
               0.077655 -0.180857    64.513 -0.075034    -5.258  0.212683
.
24261   2.300  0.061429 -0.027482   -46.361  0.055173    -3.145 -0.029350
               0.053690 -0.007755     9.320    -2.324    30.794 -0.007944
.
.
24271       0  0.092377  0.050449   -10.676     4.392    21.913 -0.056004
               0.114636 -0.159622    65.162     2.559    -6.895  0.186539
.
24271   2.300  0.095412 -0.044000   -47.317    -1.800    -5.507 -0.046437
               0.070780 -0.018823     7.517    -3.054    24.517 -0.019852
.
.
24281       0  0.100362  0.087950    -6.699     4.927    14.266 -0.106780
               0.099913 -0.101243    68.035     5.125   -12.955  0.105031
.
24281   2.300  0.148279 -0.063217   -48.670    -3.609   -11.452 -0.067851
               0.093822 -0.028345     4.806    -3.402    16.517 -0.031692
.
.
24291       0 -0.065977  0.049586    -6.383     6.822    11.553 -0.087454
              -0.144286 -0.168584    78.891     1.107   -33.183  0.177362
.
24291   2.300  0.090755 -0.032729   -55.672 -0.826138   -31.727 -0.037436
               0.187219 -0.065420     4.143    -4.798    12.290 -0.078111
.
.
24301       0 -0.075911  0.002277 -0.005337  0.003295 -0.000753 -0.044073
              -0.050488 -0.027540    68.999  0.020993   -33.557  0.007645
.
24301   2.300  0.106184  0.130536   -31.104    -3.416   -19.996  0.217355
              -0.073712  0.084315  0.150614  0.042143  0.195514  0.059992
.
.
24311       0  0.148326 -0.062555    -5.443    -5.912    12.498  0.074302
               0.280328 -0.044868    69.407    -2.816   -28.741  0.048522
.
24311   2.300  0.280328 -0.044868   -30.593    -2.816   -14.106 -0.054671
              -0.056295  0.272631     3.320    -2.477  0.037131  0.315110
.
.
24321       0  0.119945 -0.055218    -9.969    -5.092    23.664  0.060193
               0.188055 -0.049244    67.231    -1.443   -24.109  0.045898
.
24321   2.300  0.188055 -0.049244   -32.769    -1.443   -14.479 -0.067358
```

```
                -0.019114  0.215648    3.147    -1.730    -1.389  0.253809
.
.
24331       0   0.053463 -0.028379   -6.461    -3.097    18.523  0.031334
                0.081467 -0.035384   58.887    -3.441    -3.316  0.037795
.
24331   2.300   0.081467 -0.035384  -41.113    -3.441   -12.877 -0.043586
                0.055347 -0.020923   0.441058  -3.826    -9.067 -0.023111
.
.
24341       0   0.042723 -0.015043   -9.393    -2.641    24.745  0.016775
                0.056557 -0.017428   57.633    -1.139   0.893484 0.018476
.
24341   2.300   0.056557 -0.017428  -42.367    -1.139   -11.552 -0.021606
                0.051803  0.006501   0.189227  -1.672   -10.562  0.006830
.
.
24351       0   0.043459 -0.001458  -11.817    -1.721    29.736  0.002341
                0.046416 -0.002111   57.829     1.171   0.616206 0.002118
.
24351   2.300   0.046416 -0.002111  -42.171     1.171   -11.378 -0.002736
               -0.019064  0.337509   0.053699  0.057753 -0.018589 0.390943
.
.
24361       0   0.049723  0.012784  -12.288     2.859    31.653 -0.013819
                0.058656  0.013924   58.882  -0.040291   -3.305 -0.013788
.
24361   2.300   0.058656  0.013924  -41.118  -0.040291   -12.876  0.018235
                0.043119 -0.163499   0.439986  0.964134   -9.096 -0.187420
.
.
24371       0   0.066214  0.028960   -9.391     3.779    24.736 -0.031334
                0.093226  0.033532   59.476     2.240    -5.164 -0.034154
.
24371   2.300   0.093226  0.033532  -40.524     2.240   -13.370  0.042966
                0.064779 -0.132613   1.591     2.973    -7.876 -0.148895
.
.
24381       0   0.092789  0.045547   -5.987     4.230    16.593 -0.050371
                0.151773  0.057573   61.789     4.459   -11.643 -0.059898
.
24381   2.300   0.151773  0.057573  -38.211     4.459   -14.530  0.072515
                0.128510 -0.083954   2.018     4.766    -5.602 -0.084923
.
.
24391       0   0.207359  0.072073   -5.780     5.918    13.070 -0.083272
                0.109901  0.011434   71.101     1.002   -32.819 -0.011497
.
24391   2.300   0.109901  0.011434  -28.899     1.002   -14.288  0.014800
                0.180762 -0.184720   2.960   0.831511     1.035 -0.200146
.
.
24401       0  -0.046332  0.188957  -0.065606   -3.566   0.114331 -0.240194
               -0.049244 -0.026311   0.114641 -0.014030 -0.166362 -0.003055
.
24401   2.300  -0.046332  0.188957  -0.065606   -3.566  -0.036556  0.194390
               -0.049244 -0.026311   0.114641 -0.014030   0.097301 -0.063567
.
.
```

```
24411       0   0.045671 -0.066670   -1.180    -6.115    2.179  0.075518
               -0.035024 -0.062120    3.681    -3.201   -7.902  0.083613
.
24411   2.300   0.045671 -0.066670   -1.180    -6.115 -0.534209 -0.077816
               -0.035024 -0.062120    3.681    -3.201  0.565008 -0.059257
.
.
24421       0   0.025783 -0.060028   -2.220    -5.518    3.968  0.068068
                0.030456 -0.085531    3.561    -2.275   -8.142  0.104137
.
24421   2.300   0.025783 -0.060028   -2.220    -5.518   -1.138 -0.069991
                0.030456 -0.085531    3.561    -2.275  0.049475 -0.092575
.
.
24431       0   0.015608 -0.038698   -2.905    -4.477    4.930  0.044286
                0.012726 -0.014958    2.919    -1.881   -7.434  0.019585
.
24431   2.300   0.015608 -0.038698   -2.905    -4.477   -1.751 -0.044715
                0.012726 -0.014958    2.919    -1.881 -0.721271 -0.014816
.
.
24441       0   0.012386 -0.017253   -3.100    -2.979    4.721  0.019912
                0.018416 -0.005334    3.326    -1.011   -8.511  0.006166
.
24441   2.300   0.012386 -0.017253   -3.100    -2.979   -2.408 -0.019770
                0.018416 -0.005334    3.326    -1.011 -0.861456 -0.006101
.
.
24451       0   0.014420  0.004068   -2.492    -1.025    2.679 -0.004226
                0.016120  0.008879    3.460 -0.034592   -8.896 -0.010256
.
24451   2.300   0.014420  0.004068   -2.492    -1.025   -3.053  0.005130
                0.016120  0.008879    3.460 -0.034592 -0.938394  0.010165
.
.
24461       0   0.015334  0.018556   -2.978     3.246    3.612 -0.021323
                0.017268  0.024527    3.515  0.968562   -8.387 -0.027629
.
24461   2.300   0.015334  0.018556   -2.978     3.246   -3.238  0.021355
                0.017268  0.024527    3.515  0.968562 -0.803339  0.028781
.
.
24471       0   0.020387  0.044464   -3.091     5.259    4.709 -0.050700
                0.024305  0.045081    2.930     1.900   -7.470 -0.050913
.
24471   2.300   0.020387  0.044464   -3.091     5.259   -2.400  0.051564
                0.024305  0.045081    2.930     1.900 -0.730968  0.052770
.
.
24481       0   0.033971  0.072975   -2.401     6.685    3.974 -0.082731
                0.037374  0.090898    2.710     6.161   -7.416 -0.107088
.
24481   2.300   0.033971  0.072975   -2.401     6.685   -1.549  0.085105
                0.037374  0.090898    2.710     6.161   -1.184  0.101969
.
.
24491       0   0.056382  0.088389   -1.288     7.517    2.230 -0.100888
               -0.011241  0.016899    3.320     1.118   -6.523 -0.024094
.
```

```
24491   2.300  0.056382  0.088389   -1.288     7.517 -0.731631  0.102400
              -0.011241  0.016899    3.320     1.118    1.113   0.014773
.
.
24501       0  0.430545  0.471432 -0.675449   -3.377 -0.184753 -0.755210
               0.238654  0.254517   58.607    -1.201  -31.277 -0.353347
.
24501   2.300  0.238654  0.254517   -41.393   -1.201  -26.482  0.232018
              -0.012252  0.067758  0.039861   -1.488  0.042944  0.085315
.
.
24601       0  0.027081  0.009808 -0.016650   -3.566 -0.002452 -0.029507
              -0.044567  0.342322    77.843    1.528  -34.295 -0.322344
.
24601   2.300  0.028924  0.047877   -49.964   -1.130  -28.617  0.033372
               0.029670  0.349354  0.398169 -0.011146  0.106592  0.411457
.
.
24701       0  0.072324  0.015598 -0.062076    6.344  0.090452 -0.067039
               0.037099 -0.018770    68.932    1.369  -33.475 -0.007002
.
24701   2.300  0.037099 -0.018770   -31.068    1.369  -19.934 -0.050172
               0.000923  0.364338  0.114687 -0.037386  0.149799  0.412530
.
.
24801       0 -0.028896  0.228142 -0.059295    3.301  0.183914 -0.256069
               0.005783  0.016313  0.065358 -0.013438  0.017145 -0.026962
.
24801   2.300 -0.028896  0.228142 -0.059295    3.301  0.047542  0.268635
               0.005783  0.016313  0.065358 -0.013438  0.167461  0.010556
.
.
25101       0  0.413546  0.005205 -0.559355    3.170 -0.129518  0.154041
               0.577913  0.333481    58.841    2.246  -31.597 -0.166477
.
25101   2.300  0.035750  0.193139   -41.192  0.274764  -26.188  0.181414
              -0.019606 -0.099126  0.086734    3.194  0.129927 -0.123960
.
.
25111       0 -0.011215  0.071414   -4.389    2.840  0.974839 -0.075446
               0.890584  0.354662    47.689    1.850  -10.492 -0.460885
.
25111   2.300  0.890584  0.354662   -52.311    1.850  -30.808  0.354806
               0.645499  0.221859     3.629    3.079    9.083  0.217222
.
.
25121       0  0.030170  0.088076   -4.081    1.962  0.389379 -0.097522
               0.335311  0.224409    49.102  0.935040   -9.849 -0.303683
.
25121   2.300  0.335311  0.224409   -50.898  0.935040  -26.914  0.212438
               0.255085  0.165816     5.376    2.660   17.024  0.161083
.
.
25131       0  0.023837  0.059516   -1.504    4.340   -1.693 -0.068398
               0.086960  0.107889    56.118    1.766   -8.949 -0.130738
.
25131   2.300  0.086960  0.107889   -43.882    1.766   -9.879  0.117398
               0.032976  0.060042     6.302    1.617   14.860  0.064641
.
```

```
.
25141       0  0.016108  0.042115   -1.354     1.912   -2.215 -0.048573
               0.055908  0.086033   55.720  0.512568   -5.709 -0.099109
.
25141   2.300  0.055908  0.086033   -44.280  0.512568   -7.554  0.098760
               0.014676  0.040458    8.172     1.652   19.836  0.047117
.
.
25151       0  0.011048  0.029825 -0.632892 -0.631000   -2.055 -0.034318
               0.047227  0.082129   57.538 -0.691204   -8.800 -0.095383
.
25151   2.300  0.047227  0.082129   -42.462 -0.691204   -6.464  0.093507
               0.025884  0.029857    7.702     1.367   22.550  0.036639
.
.
25161       0  0.004212  0.015821   -1.499    -1.092   -1.705 -0.018388
               0.047608  0.029454   56.303  0.527435   -8.902 -0.031921
.
25161   2.300  0.047608  0.029454   -43.697  0.527435   -9.406  0.035821
               0.027943  0.079710    8.301    -1.452   24.016  0.090253
.
.
25171       0  0.001731  0.012657   -2.557    -3.360   -1.648 -0.014677
               0.054487  0.037826   53.730 -0.782700   -5.713 -0.043731
.
25171   2.300  0.054487  0.037826   -46.270 -0.782700  -12.134  0.043265
               0.015347  0.075116    8.179    -1.709   19.910  0.085713
.
.
25181       0 -0.001444  0.004117   -4.194    -1.988 -0.062544 -0.004884
               0.036209  0.049217   53.155    -2.131   -8.540 -0.060323
.
25181   2.300  0.030107  0.011920   -51.542 -0.744359   -26.293  0.013671
               0.002662  0.073783    5.653    -1.703    13.517  0.083000
.
.
25191       0 -0.001266  0.002454   -5.387    -2.867  0.379928 -0.002673
               0.006712  0.024614   43.319    -1.727   -2.124 -0.033446
.
25191   2.300  0.006712  0.024614   -56.681    -1.727   -32.490  0.023161
              -0.035124  0.074245    2.452    -1.619     6.586  0.079278
.
.
25201       0  0.015252  0.024054 -0.018699     2.440  0.013237 -0.020468
               0.176247  0.263839    77.989  0.068492   -34.418 -0.252023
.
25201   2.300 -0.040370  0.037117   -50.009 -0.006095   -28.679  0.026982
               0.139691  0.289214  0.392049  0.023657  0.091937  0.379742
.
.
25211       0  0.142845  0.058100   -5.313    -5.803     9.511 -0.058645
               0.094276  0.238783    77.512    -2.645   -30.584 -0.265954
.
25211   2.300  0.279832  0.063976   -55.196     1.947   -29.627  0.072050
               0.127671  0.052664     3.853     4.175    10.112  0.062111
.
.
25221       0  0.154300  0.054718   -9.983    -4.947    18.469 -0.065025
               0.118929  0.144902   75.355    -1.390   -26.780 -0.168503
```

```
.
25221   2.300  0.199129  0.061872  -53.791     1.042   -26.045  0.061113
               0.102708  0.047684    6.328     3.578    18.455  0.051751
.
.
25231       0  0.062261  0.033013   -7.469    -3.039    15.129 -0.040952
               0.110160  0.077714   66.276    -3.313    -9.447 -0.094355
.
25231   2.300  0.065736  0.036903  -47.643     2.418    -8.856  0.039667
               0.032290  0.019450    5.080     2.191    15.803  0.021560
.
.
25241       0  0.039140  0.040192  -10.391    -2.521    20.240 -0.047753
               0.068346  0.092967   64.837    -1.091    -6.116 -0.110481
.
25241   2.300  0.039261  0.027722  -47.388   0.828860    -5.997  0.030181
               0.021790  0.016142    7.043     1.831    20.683  0.017896
.
.
25251       0  0.031723  0.044419  -12.539    -1.550    24.030 -0.051370
               0.042999  0.101811   64.763     1.140    -5.983 -0.119280
.
25251   2.300  0.023475  0.021454  -46.762  -0.769780    -5.415  0.023760
               0.014080  0.013586    7.852     1.148    23.743  0.015162
.
.
25261       0  0.026869  0.107134  -13.171     2.814    25.528 -0.124907
               0.031723  0.050164   66.095  0.112056    -9.012 -0.057898
.
25261   2.300  0.008779  0.011641  -47.627  -0.038311    -8.323  0.013094
               0.014533  0.017681    8.233    -1.964    25.410  0.019866
.
.
25271       0  0.013401  0.109548  -10.405     3.786    20.288 -0.127759
               0.027518  0.057698   67.065     2.304   -10.860 -0.067533
.
25271   2.300  0.005438  0.010029  -48.893    -1.611   -11.237  0.011393
               0.009462  0.015528    7.021    -2.648    20.665  0.017645
.
.
25281       0 -0.002439  0.107873   -6.789     4.301    13.648 -0.126362
               0.008054  0.021230   75.503     1.512   -26.561 -0.025353
.
25281   2.300  0.001082  0.003028  -54.215    -1.074   -26.278  0.003496
               0.006970  0.013949    4.635    -3.004    14.092  0.016054
.
.
25291       0 -0.018099  0.061400   -4.628     5.845     9.161 -0.074374
              -0.004502  0.022597   79.385     2.809   -32.217 -0.027773
.
25291   2.300  0.001479  0.002211  -57.794    -2.019   -31.658  0.002684
               0.004674  0.006888    2.621    -4.146     9.224  0.008210
.
.
25301       0  0.043445 -0.002741 -0.015158    -5.364  0.034780  0.025331
              -0.054067 -0.014488   69.011  0.019456   -33.577 -0.004044
.
25301   2.300  0.103953  0.129110  -31.088    -2.853   -19.981  0.199985
              -0.118169  0.266117  0.116401  0.048140  0.147249  0.253012
```

```
.
.
25311       0  0.120140 -0.046966   -4.790    -5.156    10.327  0.055180
               0.272071 -0.023848   70.015    -2.378   -30.272  0.025880
.
25311   2.300  0.272071 -0.023848  -29.985    -2.378   -14.241 -0.028967
              -0.143583  0.290096    3.232    -1.917  0.379574  0.338365
.
.
25321       0  0.095774 -0.043866   -8.607    -4.414    19.384  0.047582
               0.193530 -0.041315   68.218    -1.281   -26.566  0.037883
.
25321   2.300  0.193530 -0.041315  -31.782    -1.281   -14.666 -0.057139
              -0.065908  0.167270    3.165    -1.356 -0.778910  0.201454
.
.
25331       0  0.028355 -0.017715   -6.340    -2.707    15.906  0.019708
               0.062035 -0.031266   60.570    -2.985    -9.123  0.033491
.
25331   2.300  0.062035 -0.031266  -39.430    -2.985   -14.815 -0.038418
               0.036981  0.059233    1.228    -3.034    -7.449  0.069728
.
.
25341       0  0.019169 -0.011569   -8.820    -2.244    20.947  0.012762
               0.037627 -0.020337   59.532    -1.030    -5.715  0.021812
.
25341   2.300  0.037627 -0.020337  -40.468    -1.030   -13.793 -0.024960
               0.039129  0.076541    1.130    -1.338    -8.758  0.087821
.
.
25351       0  0.012491 -0.006880  -10.555    -1.384    24.693  0.007563
               0.022062 -0.012493   59.415   0.937960    -5.673  0.013440
.
25351   2.300  0.022062 -0.012493  -40.585   0.937960   -14.019 -0.015293
               0.029710  0.089588  0.384084  0.444036    -9.216  0.102169
.
.
25361       0  0.012506 -0.006944  -11.065     2.418    26.362  0.007494
               0.008108 -0.003696   60.543   0.081746    -9.090  0.004061
.
25361   2.300  0.008108 -0.003696  -39.457   0.081746   -14.843 -0.004439
               0.017707  0.047508    1.196   0.891178    -7.503  0.054261
.
.
25371       0  0.007205 -0.002909   -8.797     3.279    20.923  0.003209
               0.005450 -0.001729   61.444     2.012   -10.981  0.001937
.
25371   2.300  0.005450 -0.001729  -38.556     2.012   -14.660 -0.002041
               0.011701  0.053328    2.205     2.462    -6.300  0.060755
.
.
25381       0  0.005779 -7.33E-05   -5.751     3.737    14.164  0.000356
               0.001882 -0.000205   68.538     1.321   -26.729  0.000285
.
25381   2.300  0.004488 -0.000541  -36.473     3.876   -15.258 -0.000483
               0.002081  0.018735    3.207     1.455 -0.887600  0.021258
.
.
25391       0  0.006015  0.000156   -4.065     5.114     9.877  0.000271
```

```
                0.002282 -0.000164    71.916     2.456   -31.673  0.000316
.
25391    2.300  0.002282 -0.000164   -28.084     2.456   -11.268 -6.15E-05
               -0.001365  0.017870     3.916     2.018  0.523333  0.020327
.
.
25401       0 -0.048328  0.178558 -0.068517    -2.803  0.116532 -0.224167
               -0.025238  0.003151  0.076294  0.000550 -0.057228 -0.015416
.
25401    2.300 -0.048328  0.178558 -0.068517    -2.803 -0.041052  0.186499
               -0.025238  0.003151  0.076294  0.000550  0.118242 -0.008170
.
.
25411       0  0.009199 -0.044079 -0.778791    -5.005     1.275  0.051533
               -0.047078 -0.032160     3.627    -2.526    -7.593  0.045969
.
25411    2.300  0.009199 -0.044079 -0.778791    -5.005 -0.515933 -0.049844
               -0.047078 -0.032160     3.627    -2.526  0.749753 -0.027995
.
.
25421       0  0.010021 -0.039471    -1.435    -4.480     2.221  0.045671
               0.018995 -0.069737     3.623    -1.825    -8.043  0.085626
.
25421    2.300  0.010021 -0.039471    -1.435    -4.480    -1.079 -0.045108
               0.018995 -0.069737     3.623    -1.825  0.289454 -0.074763
.
.
25431       0  0.007736 -0.029957    -1.829    -3.586     2.567  0.034440
               0.004139  0.046484     2.524    -1.133    -6.262 -0.051020
.
25431    2.300  0.007736 -0.029957    -1.829    -3.586    -1.639 -0.034458
               0.004139  0.046484     2.524    -1.133 -0.456808  0.055889
.
.
25441       0  0.004942 -0.020898    -1.860    -2.329     2.051  0.023995
               0.014609  0.047601     2.905 -0.593984    -7.235 -0.054885
.
25441    2.300  0.004942 -0.020898    -1.860    -2.329    -2.226 -0.024069
               0.014609  0.047601     2.905 -0.593984 -0.553618  0.054594
.
.
25451       0  0.003343 -0.013857    -1.207 -0.726620  0.033319  0.016030
               0.011812  0.053927     3.091  0.014741    -7.706 -0.062733
.
25451    2.300  0.003343 -0.013857    -1.207 -0.726620    -2.744 -0.015840
               0.011812  0.053927     3.091  0.014741 -0.596147  0.061295
.
.
25461       0  0.003069 -0.016055    -1.545     2.561  0.637656  0.018325
               0.006980  0.059275     3.209  0.646471    -7.849 -0.068924
.
25461    2.300  0.003069 -0.016055    -1.545     2.561    -2.916 -0.018600
               0.006980  0.059275     3.209  0.646471 -0.467691  0.067403
.
.
25471       0  0.000334 -0.010562    -1.833     4.223     2.045  0.012282
               0.003151 -0.006710     3.248     3.196    -8.893  0.007881
.
25471    2.300  0.000334 -0.010562    -1.833     4.223    -2.171 -0.012009
```



```
                0.003151 -0.006710     3.248     3.196    -1.423 -0.007551
.
.
25481       0  0.000210 -0.006761    -1.313     5.426     1.824  0.008202
               0.002399 -0.001526     3.716     1.860    -8.594  0.001910
.
25481    2.300  0.000210 -0.006761    -1.313     5.426    -1.195 -0.007347
               0.002399 -0.001526     3.716     1.860 -0.047953 -0.001600
.
.
25491       0  0.001253  0.010567 -0.150557  0.593313  0.343573 -0.011915
               0.002107 -0.001823     4.430     2.565    -9.844  0.002059
.
25491    2.300  0.001253  0.010567 -0.150557  0.593313 -0.002695  0.012388
               0.002107 -0.001823     4.430     2.565  0.344442 -0.002134
.
.
25501       0  0.001414  0.001792    -7.843    -3.223     3.159 -0.001914
              -0.060315  0.024101    38.145    -2.161     2.232 -0.034898
.
25501    2.300 -0.060315  0.024101   -61.855    -2.161   -40.034  0.020533
              -0.086266  0.070482  0.125678  0.151561  0.130753  0.074889
.
.
25601       0  0.008030  0.004992    -2.902    -4.453     4.693 -0.005153
              -0.023121  0.018382    85.599     3.376   -40.897 -0.023129
.
25601    2.300  0.003185  0.001498   -62.370    -2.435   -38.848  0.001986
              -0.054901  0.047794     4.503     6.278     5.814  0.050858
.
.
25701       0 -0.004381  0.000712 -2.26E-05 -3.92E-05  1.42E-05 -0.001264
               0.003619 -0.000152    77.171     2.952   -39.333  0.000412
.
25701    2.300  0.003619 -0.000152   -22.829     2.952    -6.844  6.28E-05
              -0.003020  0.013778     5.190     2.243     3.101  0.015945
.
.
25801       0  0.005224  0.007466 -0.357664  0.606728     1.152 -0.008093
               0.000749 -0.001391     6.147     2.844   -11.500  0.001713
.
25801    2.300  0.005224  0.007466 -0.357664  0.606728  0.329586  0.009078
               0.000749 -0.001391     6.147     2.844     2.637 -0.001487
.
.
.ID Envolv.   EF
.SK 4
.TP 20
ENVOLVENTE:              EF   'Env. Sobrecargas'                Ejec.  "HIP"
================================================================================
Grupo Espe. Hip¢tesis       Factor Etapa  T¡tulo

  A                4            1.000         sc repartida mitad d vano1
  B    MAS         5            1.000         sobrecarga vano 1 i
  C    MAS        27            1.000         sc repartida mitad d vano2
  D    MAS        28            1.000         sobrecarga vano 2 i
  E    MAS        29            1.000         sc repartida mitad d vano3
  F    MAS        30            1.000         sobrecarga vano 3 i
  G    MAS        31            1.000         sc repartida mitad d vano4
```

H	MAS	32	1.000	sobrecarga vano 4 i
I	MAS	33	1.000	sc repartida mitad d vano5
J	MAS	34	1.000	sobrecarga vano 5 i

```
.ID GWS3MY,STATIK2,1.58
.UN  M,KN
.EL !LHIP.033
.SK 3
.TP 12
.TK 6
ENVOLVENTE para < My > (y valores concomitantes)
(1. l¡nea: MIN., 2. l¡nea: MAX.)
```

Barra	Distancia [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
1101	0	0.079255	0.084953	-0.012384	0.040808	-0.038855	-0.061770
		-0.073513	-0.104599	27.116	-1.661	1.535	0.053694
1101	1.270	0.032987	0.000322	-2.745	-0.547516	-2.754	0.001900
		-0.027245	-0.019968	29.848	-1.072	38.670	-0.034926
1102	0	0.115830	0.050757	-2.440	-0.548691	-2.065	-0.024119
		-0.104326	-0.073127	24.436	-1.189	39.390	-0.016973
1102	1.270	0.031388	0.000919	-2.459	-0.571258	-5.179	0.004856
		-0.019883	-0.023289	24.455	-1.166	70.439	-0.074357
1103	0	0.168553	0.049861	-1.949	-0.440563	-4.589	-0.020555
		-0.153308	-0.067500	18.097	-0.948221	71.010	-0.053635
1103	1.270	0.029703	9.64E-05	-1.965	-0.464940	-7.081	0.007044
		-0.014458	-0.017736	18.113	-0.923844	94.010	-0.103636
1104	0	0.196604	0.042584	-1.259	-0.269765	-6.654	-0.014108
		-0.179572	-0.053801	11.121	-0.579648	94.389	-0.084580
1104	1.270	0.026995	-0.001854	-1.272	-0.295562	-8.267	0.007868
		-0.009962	-0.009363	11.134	-0.553851	108.526	-0.120800
1105	0	0.241578	0.042006	-0.438156	-0.060533	-8.053	-0.011551
		-0.224557	-0.046945	3.772	-0.162358	108.697	-0.101312
1105	1.270	0.022354	-0.004705	-0.448302	-0.088146	-8.615	0.007203
		-0.005333	-0.000234	3.782	-0.134745	113.493	-0.126338
1106	0	0.285662	0.042403	0.432502	0.163895	-8.642	-0.008984
		-0.270773	-0.041230	-3.692	0.270011	113.455	-0.107789
1106	1.270	0.242151	0.032812	0.432356	0.163684	-8.093	0.036178
		-0.227262	-0.031639	-3.692	0.270221	108.767	-0.151462
1107	0	0.327211	0.044416	1.271	0.380135	-8.361	-0.002819
		-0.316538	-0.037124	-11.019	0.700451	108.518	-0.107674
1107	1.270	0.275528	0.034887	1.271	0.379915	-6.746	0.041886
		-0.264854	-0.027595	-11.018	0.700671	94.525	-0.143118
1108	0	0.361624	0.034977	2.000	0.568800	-7.226	0.017357
		-0.357081	-0.022824	-17.970	1.125	94.068	-0.111184
1108	1.270	0.305796	0.030388	2.000	0.568559	-4.686	0.048061
		-0.301253	-0.018234	-17.970	1.125	71.248	-0.126454
1109	0	0.329677	-0.029001	2.549	0.720448	-5.335	0.030928
		-0.332676	0.039845	-24.347	1.587	70.605	-0.099632
1109	1.270	0.112356	-0.045559	2.548	0.719589	-2.098	-0.025849
		-0.115355	0.056403	-24.346	1.588	39.686	-0.029083
1110	0	0.355454	-0.219695	2.871	0.843542	-2.853	-0.021478
		-0.362592	0.216766	-30.125	2.352	38.906	-0.027583
1110	1.270	-0.180076	0.068667	-0.004454	-0.002116	-0.049011	0.045005
		0.172937	-0.071596	-27.250	3.198	1.490	-0.097786
1201	0	-0.037545	-0.024079	46.712	0.226516	-1.893	0.021065
		0.037426	0.036846	5.788	-1.730	0.785391	-0.031573
1201	1.270	0.039074	-0.175040	-0.041515	-0.031720	-0.048031	-0.072494
		-0.039193	0.187808	52.542	-1.471	65.613	0.078199
1202	0	0.004632	-0.184728	-0.040783	-0.036037	-0.043752	0.126253
		-0.004390	0.198119	39.635	-1.499	64.574	-0.133610
1202	1.270	0.004632	-0.184728	-0.040783	-0.036037	-0.095544	-0.108342
		-0.004390	0.198119	39.635	-1.499	114.908	0.117991
1203	0	-0.037306	-0.184591	-0.037986	-0.036344	-0.092371	0.108438
		0.040109	0.193672	27.716	-1.175	114.067	-0.110014
1203	1.270	-0.037306	-0.184591	-0.037986	-0.036344	-0.140611	-0.125984
		0.040109	0.193672	27.716	-1.175	149.265	0.135940
1204	0	-0.081547	-0.184081	-0.032144	-0.036238	-0.139188	0.097779
		0.087027	0.188369	16.413	-0.709540	148.693	-0.094984
1204	1.270	-0.081547	-0.184081	-0.032144	-0.036238	-0.180010	-0.135995
		0.087027	0.188369	16.413	-0.709540	169.537	0.144235
1205	0	-0.125154	-0.185005	-0.022139	-0.036380	-0.180859	0.090997
		0.132804	0.184723	5.440	-0.173048	169.270	-0.084980

1205	1.270	-0.125154	-0.185005	-0.022139	-0.036380	-0.208974	-0.143950
		0.132804	0.184723	5.440	-0.173048	176.178	0.149609
1206	0	-0.167369	-0.187773	-0.007115	-0.036965	-0.212411	0.085524
		0.176554	0.182375	-5.456	0.383500	176.233	-0.076792
1206	1.270	-0.167369	-0.187773	-0.007115	-0.036965	-0.221446	-0.152939
		0.176554	0.182375	-5.456	0.383500	169.304	0.154815
1207	0	-0.209022	-0.192338	0.012975	-0.037936	-0.227515	0.078867
		0.219322	0.181004	-16.521	0.907071	169.682	-0.068657
1207	1.270	-0.209022	-0.192338	0.012975	-0.037936	-0.211037	-0.165392
		0.219322	0.181004	-16.521	0.907071	148.702	0.161209
1208	0	-0.252396	-0.199624	0.037034	-0.038795	-0.219454	0.065579
		0.264334	0.183347	-27.979	1.336	149.392	-0.057655
1208	1.270	-0.252396	-0.199624	0.037034	-0.038795	-0.172423	-0.187934
		0.264334	0.183347	-27.979	1.336	113.859	0.175186
1209	0	-0.300493	-0.216199	0.063091	-0.038549	-0.182588	0.027302
		0.315695	0.202492	-40.027	1.584	114.819	-0.028058
1209	1.270	-0.300493	-0.216199	0.063091	-0.038549	-0.102465	-0.247259
		0.315695	0.202492	-40.027	1.584	63.987	0.229097
1210	0	-0.347294	-0.256807	0.090353	-0.037983	-0.113595	-0.096419
		0.365398	0.266176	-52.649	1.529	65.144	0.081894
1210	1.270	0.308187	0.207766	-46.739	-0.344635	-2.456	-0.013917
		-0.290083	-0.198397	-5.819	1.835	0.739958	0.011291
1301	0	-0.067268	0.011680	55.886	-9.60E-07	-0.792146	-0.010812
		0.068011	-0.000104	0.031858	8.00E-08	0.020382	8.13E-05
1301	1.270	0.066987	-6.04E-05	-0.004820	-1.98E-08	-0.006074	-2.01E-05
		-0.066244	0.011636	55.923	-8.61E-07	70.248	0.003991
1302	0	0.067629	-0.000111	-0.004826	-1.59E-08	-0.006030	7.62E-05
		-0.066387	0.015011	44.110	1.01E-07	69.510	-0.010297
1302	1.270	0.067629	-0.000111	-0.004826	-1.59E-08	-0.012159	-6.42E-05
		-0.066387	0.015011	44.110	1.01E-07	125.527	0.008767
1303	0	0.068485	-8.97E-05	-0.004843	-3.33E-09	-0.012120	5.53E-05
		-0.066475	0.013195	31.799	-3.46E-07	124.890	-0.005890
1303	1.270	0.068485	-8.97E-05	-0.004843	-3.33E-09	-0.018271	-5.86E-05
		-0.066475	0.013195	31.799	-3.46E-07	165.273	0.010867
1304	0	0.069251	-0.000125	-0.004863	1.52E-08	-0.018242	7.35E-05
		-0.066388	0.008313	19.127	1.42E-07	164.808	-0.000672
1304	1.270	0.069251	-0.000125	-0.004863	1.52E-08	-0.024417	-8.51E-05
		-0.066388	0.008313	19.127	1.42E-07	189.098	0.009885
1305	0	0.069929	-1.69E-05	-0.004880	3.93E-08	-0.024402	1.26E-06
		-0.065611	0.003042	6.269	-5.92E-07	188.865	0.003523
1305	1.270	0.069929	-1.69E-05	-0.004880	3.93E-08	-0.030599	-2.02E-05
		-0.065611	0.003042	6.269	-5.92E-07	196.827	0.007386
1306	0	0.069815	-0.000149	-0.004889	6.74E-08	-0.030601	7.91E-05
		-0.063937	-0.002051	-6.620	1.92E-07	196.854	0.006582
1306	1.270	0.096988	-0.000308	-0.088324	2.59E-07	-0.038949	-0.000363
		-0.091110	-0.001891	-6.536	0	188.449	0.004231
1307	0	0.068932	-0.000187	-0.004890	9.23E-08	-0.036832	9.42E-05
		-0.061103	-0.006964	-19.401	2.89E-07	188.732	0.008518
1307	1.270	0.112667	-0.000259	-0.094791	3.81E-07	-0.147501	-0.000679
		-0.104839	-0.006892	-19.311	0	164.199	0.000209
1308	0	0.131672	0.000180	-0.061020	3.99E-07	-0.142932	-0.001206
		-0.122526	-0.010524	-31.868	1.07E-06	164.704	0.009584
1308	1.270	0.131672	0.000180	-0.061020	3.99E-07	-0.220424	-0.000977
		-0.122526	-0.010524	-31.869	1.07E-06	124.232	-0.003781
1309	0	0.144664	0.002194	0.034551	7.99E-08	-0.224717	-0.002765
		-0.136357	-0.012368	-44.102	2.38E-07	124.910	0.008245
1309	1.270	0.144664	0.002194	0.034551	7.99E-08	-0.180838	2.17E-05
		-0.136357	-0.012368	-44.102	2.38E-07	68.903	-0.007462
1310	0	0.137878	0.005871	0.199950	-2.25E-06	-0.193347	-0.003483
		-0.134711	-0.011494	-56.007	7.15E-07	69.684	0.004247
1310	1.270	-0.071226	-0.010960	-56.012	-4.50E-07	-1.504	-0.009092
		0.074392	0.005337	0.204872	-1.08E-06	0.122492	0.002715
1401	0	-0.034030	0.045107	46.712	-0.226516	-1.893	-0.037458
		0.035173	-0.031627	5.788	1.730	0.785447	0.026053
1401	1.270	0.039073	0.174982	-0.041513	0.031719	-0.048028	0.072505
		-0.037930	-0.161502	52.542	1.471	65.613	-0.066791
1402	0	0.004606	0.184465	-0.040780	0.036037	-0.043751	-0.126066
		-0.003705	-0.169501	39.635	1.499	64.574	0.117273

1402	1.270	0.004606	0.184465	-0.040780	0.036037	-0.095539	0.108195
		-0.003705	-0.169501	39.635	1.499	114.908	-0.097984
1403	0	-0.037380	0.184121	-0.037985	0.036344	-0.092366	-0.108168
		0.036633	-0.173036	27.716	1.175	114.067	0.104943
1403	1.270	-0.037380	0.184121	-0.037985	0.036344	-0.140605	0.125657
		0.036633	-0.173036	27.716	1.175	149.265	-0.114803
1404	0	-0.081686	0.183898	-0.032147	0.036238	-0.139180	-0.097770
		0.078938	-0.176095	16.413	0.709541	148.693	0.097962
1404	1.270	-0.081686	0.183898	-0.032147	0.036238	-0.180005	0.135771
		0.078938	-0.176095	16.413	0.709541	169.537	-0.125669
1405	0	-0.125368	0.184747	-0.022140	0.036380	-0.180848	-0.091087
		0.121786	-0.180765	5.440	0.173048	169.270	0.094129
1405	1.270	-0.125368	0.184747	-0.022140	0.036380	-0.208965	0.143532
		0.121786	-0.180765	5.440	0.173048	176.179	-0.135433
1406	0	-0.167662	0.187718	-0.007107	0.036965	-0.212405	-0.085992
		0.164328	-0.186594	-5.457	-0.383500	176.233	0.091213
1406	1.270	-0.167662	0.187718	-0.007107	0.036965	-0.221430	0.152400
		0.164328	-0.186594	-5.457	-0.383500	169.303	-0.145753
1407	0	-0.209385	0.192497	0.012979	0.037936	-0.227506	-0.079810
		0.207353	-0.193715	-16.520	-0.907071	169.682	0.087499
1407	1.270	-0.209385	0.192497	0.012979	0.037936	-0.211022	0.164651
		0.207353	-0.193715	-16.520	-0.907071	148.703	-0.158509
1408	0	-0.252863	0.200848	0.037022	0.038796	-0.219434	-0.067467
		0.252962	-0.205730	-27.980	-1.336	149.392	0.079028
1408	1.270	-0.252863	0.200848	0.037022	0.038796	-0.172418	0.187600
		0.252962	-0.205730	-27.980	-1.336	113.859	-0.182238
1409	0	-0.301191	0.219467	0.063097	0.038549	-0.182582	-0.030285
		0.303042	-0.233411	-40.027	-1.584	114.820	0.046585
1409	1.270	-0.301191	0.219467	0.063097	0.038549	-0.102452	0.248428
		0.303042	-0.233411	-40.027	-1.584	63.987	-0.249835
1410	0	-0.348485	0.262192	0.090348	0.037983	-0.113587	0.093440
		0.347628	-0.293479	-52.649	-1.529	65.144	-0.076823
1410	1.270	0.294062	-0.228192	-46.739	0.344633	-2.456	-0.009870
		-0.294919	0.196905	-5.819	-1.835	0.739953	-0.013246

1501	0	0.079251	-0.084885	-0.012386	-0.040808	-0.038853	0.061810
		-0.084794	0.065840	27.116	1.661	1.535	-0.070487
1501	1.270	0.031560	0.004883	-2.745	0.547516	-2.754	0.003281
		-0.037104	-0.023929	29.848	1.072	38.670	-0.036144
1502	0	0.111923	-0.043120	-2.440	0.548692	-2.065	0.026826
		-0.124349	0.021860	24.436	1.189	39.390	-0.068810
1502	1.270	0.027628	0.006654	-2.459	0.571258	-5.179	0.007521
		-0.040055	-0.027914	24.455	1.166	70.439	-0.076505
1503	0	0.161344	-0.042650	-1.949	0.440564	-4.589	0.029338
		-0.178703	0.026425	18.098	0.948221	71.010	-0.104563
1503	1.270	0.022772	0.006992	-1.965	0.464940	-7.081	0.010819
		-0.040131	-0.023217	18.113	0.923844	94.010	-0.106648
1504	0	0.186139	-0.037227	-1.259	0.269765	-6.654	0.028480
		-0.207208	0.028097	11.120	0.579648	94.389	-0.128569
1504	1.270	0.016911	0.007095	-1.272	0.295562	-8.267	0.013201
		-0.037980	-0.016225	11.133	0.553851	108.525	-0.124885
1505	0	0.228861	-0.039495	-0.438192	0.060533	-8.053	0.030167
		-0.252348	0.037231	3.773	0.162358	108.697	-0.144699
1505	1.270	0.010128	0.007049	-0.448362	0.088146	-8.615	0.014395
		-0.033614	-0.009313	3.783	0.134746	113.494	-0.131803
1506	0	0.272043	-0.043061	0.432504	-0.163895	-8.642	0.029878
		-0.296915	0.047749	-3.692	-0.270011	113.455	-0.148736
1506	1.270	0.228501	-0.033468	0.432358	-0.163684	-8.093	-0.016119
		-0.253373	0.038156	-3.692	-0.270222	108.767	-0.096786
1507	0	0.314464	-0.047985	1.272	-0.380135	-8.361	0.023782
		-0.339607	0.059730	-11.019	-0.700451	108.518	-0.136928
1507	1.270	0.262733	-0.038441	1.271	-0.379915	-6.746	-0.025448
		-0.287877	0.050187	-11.018	-0.700671	94.525	-0.072783
1508	0	0.295283	-0.036517	2.000	-0.568560	-7.226	0.009684
		-0.319385	0.055449	-17.969	-1.125	94.068	-0.106721
1508	1.270	0.295283	-0.036517	2.000	-0.568560	-4.686	-0.036690
		-0.319385	0.055449	-17.969	-1.125	71.248	-0.036304
1509	0	0.323251	0.019356	2.549	-0.720449	-5.335	-0.014761

		-0.343737	0.007408	-24.347	-1.587	70.605	-0.054203
1509	1.270	0.106198	0.035856	2.548	-0.719590	-2.098	0.029762
		-0.126683	-0.009091	-24.346	-1.588	39.686	-0.064737
1510	0	0.353827	0.201949	2.871	-0.843542	-2.853	0.031815
		-0.365323	-0.172132	-30.125	-2.352	38.906	-0.054943
1510	1.270	-0.179554	-0.068920	-0.004452	0.002117	-0.049013	-0.045047
		0.168057	0.098737	-27.250	-3.198	1.490	0.059785
2101	0	-0.299648	0.073752	0.003493	0.086409	-0.060585	-0.152302
		0.217786	-0.164470	31.490	-3.571	1.869	0.218634
2101	1.390	-0.111192	0.173347	-3.317	-1.226	-3.361	-0.007422
		0.029330	-0.264065	34.811	-2.259	48.944	-0.052338
2102	0	-0.165499	0.146024	-2.917	-1.018	-2.173	-0.123223
		0.069763	-0.194151	28.239	-1.533	49.722	0.081893
2102	1.390	-0.124020	0.023268	-2.959	-1.071	-6.279	0.023507
		0.028284	-0.071394	28.282	-1.480	89.024	-0.131731
2103	0	-0.448864	0.051081	-2.321	-0.817272	-5.263	-0.040914
		0.342813	-0.078328	20.931	-1.049	89.643	-0.053752
2103	1.390	-0.130148	-0.009375	-2.331	-0.843902	-8.498	0.008865
		0.024097	-0.017872	20.941	-1.022	118.745	-0.141433
2104	0	-0.389268	0.051040	-1.482	-0.519371	-7.765	-0.037927
		0.277916	-0.066719	12.864	-0.629388	119.169	-0.088204
2104	1.390	-0.137810	-0.008149	-1.490	-0.544058	-9.824	0.005480
		0.026458	-0.007531	12.873	-0.604701	137.050	-0.153404
2105	0	-0.332199	0.047505	-0.507926	-0.169135	-9.449	-0.031394
		0.217205	-0.054739	4.334	-0.210295	137.269	-0.112263
2105	1.390	-0.340321	0.060507	-0.511324	-0.169053	-10.155	0.041041
		0.225328	-0.067742	4.338	-0.210376	143.293	-0.194754
2106	0	-0.275270	0.054087	0.509341	0.200565	-10.167	-0.033112
		0.155283	-0.054328	-4.346	0.209824	143.294	-0.114833
2106	1.390	-0.122535	0.041877	0.505770	0.200553	-9.463	0.035228
		0.002548	-0.042117	-4.342	0.209837	137.258	-0.183507
2107	0	0.723439	0.123618	1.493	0.586435	-9.865	-0.049907
		-0.851874	-0.118099	-12.878	0.595073	137.043	-0.088602
2107	1.390	-0.082722	0.034903	1.486	0.552606	-7.797	0.038648
		-0.045713	-0.029385	-12.871	0.628902	119.150	-0.169486
2108	0	0.847354	0.107393	2.350	0.891361	-8.567	-0.014964
		-0.989302	-0.098407	-20.949	1.011	118.739	-0.099835
2108	1.390	0.846519	0.058327	2.329	0.872313	-5.310	0.100669
		-0.988467	-0.049341	-20.928	1.030	89.630	-0.202977
2109	0	0.923986	-0.002303	3.006	1.128	-6.355	0.065946
		-1.085	0.002941	-28.291	1.467	89.015	-0.143839
2109	1.390	0.792545	-0.055925	2.982	1.110	-2.202	0.009018
		-0.953835	0.056564	-28.267	1.485	49.717	-0.086024
2110	0	0.826434	-0.360028	3.377	1.290	-3.418	0.110844
		-1.005	0.322930	-34.798	2.255	48.938	-0.165283
2110	1.390	0.355007	0.005497	0.006189	-0.037936	-0.061853	-0.013232
		-0.533109	-0.042595	-31.428	3.583	1.908	-0.092772
2201	0	0.349114	0.131999	50.063	0.705404	-2.968	0.033515
		-0.535238	-0.145713	7.731	-2.561	0.780278	-0.011160
2201	1.390	-0.179310	-0.051068	-0.110330	-0.011046	-0.115095	-0.099910
		-0.006815	0.037354	57.904	-1.845	78.258	0.103204
2202	0	-0.215867	-0.117240	-0.085880	-0.009939	-0.097845	0.038246
		0.044209	0.101579	43.896	-1.863	76.822	-0.021626
2202	1.390	-0.215867	-0.117240	-0.085880	-0.009939	-0.217214	-0.124712
		0.044209	0.101579	43.896	-1.863	137.836	0.119563
2203	0	-0.256635	-0.139450	-0.062412	-0.009190	-0.202429	0.043777
		0.095832	0.132683	30.647	-1.522	136.662	-0.037846
2203	1.390	-0.256635	-0.139450	-0.062412	-0.009190	-0.289177	-0.150050
		0.095832	0.132683	30.647	-1.522	179.260	0.146577
2204	0	-0.295407	-0.146611	-0.039047	-0.009102	-0.278620	0.037662
		0.140343	0.144599	18.106	-0.975666	178.443	-0.035008
2204	1.390	-0.295407	-0.146611	-0.039047	-0.009102	-0.332893	-0.166119
		0.140343	0.144599	18.106	-0.975666	203.609	0.165977
2205	0	-0.332913	-0.152485	-0.015359	-0.009073	-0.327966	0.034463
		0.181237	0.149469	6.003	-0.321981	203.196	-0.029121
2205	1.390	-0.185778	-0.181309	-0.019536	-0.009118	-0.350143	-0.189430
		0.034103	0.178293	6.007	-0.321936	211.540	0.190579

2206	0	-0.226698	-0.188762	0.005938	-0.009172	-0.351617	0.059677
		0.076980	0.180234	-5.954	0.365316	211.550	-0.049028
2206	1.390	-0.174271	-0.159208	0.001713	-0.009058	-0.348502	-0.188259
		0.024553	0.150680	-5.950	0.365202	203.279	0.187056
2207	0	-0.209535	-0.168988	0.030518	-0.009412	-0.356470	0.032108
		0.062080	0.151051	-18.067	1.018	203.712	-0.015942
2207	1.390	-0.209535	-0.168988	0.030518	-0.009412	-0.314051	-0.202777
		0.062080	0.151051	-18.067	1.018	178.599	0.194010
2208	0	-0.245667	-0.183286	0.063119	-0.009803	-0.327834	0.027300
		0.102294	0.153605	-30.644	1.563	179.439	-0.009679
2208	1.390	-0.245667	-0.183286	0.063119	-0.009803	-0.240102	-0.227456
		0.102294	0.153605	-30.644	1.563	136.845	0.203823
2209	0	-0.286058	-0.208577	0.098085	-0.009080	-0.258282	-0.001915
		0.152764	0.175799	-43.951	1.899	138.046	0.008836
2209	1.390	-0.419851	-0.332853	0.069743	-0.038951	-0.124042	-0.395053
		0.286557	0.300075	-43.923	1.928	76.958	0.356415
2210	0	-0.324730	-0.257057	0.134153	-0.008353	-0.142652	-0.139424
		0.205522	0.259184	-58.041	1.865	78.422	0.117380
2210	1.390	0.533885	0.224490	-50.154	-0.633297	-3.022	0.278377
		-0.653093	-0.222363	-7.753	2.490	0.814737	-0.297464
2301	0	-0.898319	0.014043	61.651	-1.43E-06	-2.047	-0.012918
		0.700614	-0.003959	-0.103127	-1.60E-07	0.135497	0.000263
2301	1.390	0.493689	-0.004362	-0.158060	2.85E-07	-0.165164	-0.004512
		-0.691394	0.014446	61.706	-1.88E-06	83.802	0.005873
2302	0	0.502474	-0.001385	-0.003513	-8.75E-08	-0.153642	-0.000302
		-0.690434	0.015453	48.500	9.56E-07	82.707	-0.010396
2302	1.390	0.502474	-0.001385	-0.003513	-8.75E-08	-0.158525	-0.002227
		-0.690434	0.015453	48.500	9.56E-07	150.118	0.011083
2303	0	0.489650	-0.000222	0.076264	-1.31E-07	-0.155878	-0.000528
		-0.664712	0.012721	34.938	1.32E-06	149.174	-0.005947
2303	1.390	0.490900	-0.000284	0.076184	-2.06E-08	-0.049907	-0.000904
		-0.665962	0.012782	34.938	1.21E-06	197.735	0.011802
2304	0	0.473308	-3.92E-05	0.095513	4.97E-08	-0.056200	-0.000237
		-0.638622	0.007975	21.050	1.23E-06	197.044	-0.001124
2304	1.390	0.001228	-5.07E-05	-6.09E-05	1.15E-07	-0.000130	-6.08E-05
		-0.166542	0.007986	21.146	1.11E-06	226.379	0.009729
2305	0	0.001217	-1.06E-05	-3.67E-05	1.17E-07	-0.000143	-2.14E-05
		-0.159774	0.002908	7.054	1.22E-06	226.011	0.003014
2305	1.390	0.196269	-1.72E-05	-0.008950	1.16E-07	-0.000286	-3.73E-05
		-0.354826	0.002914	7.063	1.22E-06	235.815	0.007057
2306	0	0.195096	-8.57E-05	-0.008924	1.16E-07	-0.000265	3.19E-05
		-0.348042	-0.003103	-7.098	-1.30E-07	235.822	0.007161
2306	1.390	0.195096	-8.57E-05	-0.008924	1.16E-07	-0.012668	-8.72E-05
		-0.348042	-0.003103	-7.098	-1.30E-07	225.956	0.002847
2307	0	0.193330	-6.45E-05	-0.008875	1.15E-07	-0.012650	1.38E-05
		-0.339988	-0.008605	-21.183	5.49E-07	226.337	0.010028
2307	1.390	0.247842	-0.000358	-0.135521	6.64E-07	-0.100068	-0.000748
		-0.394499	-0.008311	-21.057	0	196.969	-0.001259
2308	0	0.279881	0.000173	-0.107072	7.24E-07	-0.091536	-0.001231
		-0.419111	-0.012780	-34.932	0	197.667	0.011886
2308	1.390	0.279881	0.000173	-0.107072	7.24E-07	-0.240361	-0.000991
		-0.419111	-0.012780	-34.932	0	149.113	-0.005877
2309	0	0.307590	0.001815	0.008208	5.65E-07	-0.244684	-0.002934
		-0.441924	-0.015164	-48.487	-2.38E-07	150.065	0.011075
2309	1.390	0.307590	0.001815	0.008208	5.65E-07	-0.233276	-0.000412
		-0.441924	-0.015164	-48.487	-2.38E-07	82.670	-0.010003
2310	0	0.301380	0.006775	0.229991	-8.49E-07	-0.250357	-0.005237
		-0.441004	-0.014230	-61.690	9.54E-07	83.773	0.006432
2310	1.390	-0.712308	-0.014190	-61.661	8.50E-07	-2.108	-0.013219
		0.572683	0.006735	0.200794	-7.41E-07	0.205529	0.004052
2401	0	0.334526	-0.109780	50.062	-0.705401	-2.968	-0.060059
		-0.539364	0.149682	7.731	2.561	0.780313	0.006238
2401	1.390	-0.180141	0.046049	-0.110335	0.011045	-0.115093	0.095341
		-0.024697	-0.006147	57.904	1.845	78.257	-0.093700
2402	0	-0.216136	0.114420	-0.085874	0.009939	-0.097841	-0.037483
		0.031254	-0.066985	43.897	1.863	76.822	-0.002907
2402	1.390	-0.216136	0.114420	-0.085874	0.009939	-0.217202	0.121555
		0.031254	-0.066985	43.897	1.863	137.836	-0.096012

2403	0	-0.256702	0.138270	-0.062411	0.009190	-0.202418	-0.043988
		0.081975	-0.107832	30.647	1.522	136.662	0.027906
2403	1.390	-0.256702	0.138270	-0.062411	0.009190	-0.289166	0.148199
		0.081975	-0.107832	30.647	1.522	179.260	-0.121975
2404	0	-0.295374	0.146115	-0.039045	0.009102	-0.278608	-0.038079
		0.124015	-0.130378	18.105	0.975668	178.444	0.035486
2404	1.390	-0.295374	0.146115	-0.039045	0.009102	-0.332879	0.165013
		0.124015	-0.130378	18.105	0.975668	203.609	-0.145732
2405	0	-0.332858	0.152165	-0.015353	0.009073	-0.327954	-0.034849
		0.163026	-0.144890	6.003	0.321981	203.196	0.037104
2405	1.390	-0.185771	0.180983	-0.019530	0.009118	-0.350125	0.188599
		0.015939	-0.173708	6.007	0.321937	211.540	-0.176231
2406	0	-0.226633	0.188651	0.005937	0.009172	-0.351600	-0.060266
		0.058952	-0.184946	-5.953	-0.365316	211.549	0.063522
2406	1.390	-0.174206	0.159096	0.001711	0.009058	-0.348486	0.187518
		0.006524	-0.155391	-5.949	-0.365202	203.280	-0.179114
2407	0	-0.209509	0.169275	0.030518	0.009412	-0.356452	-0.033248
		0.045877	-0.165627	-18.068	-1.018	203.712	0.036607
2407	1.390	-0.209509	0.169275	0.030518	0.009412	-0.314033	0.202034
		0.045877	-0.165627	-18.069	-1.018	178.599	-0.193605
2408	0	-0.245711	0.184524	0.063120	0.009804	-0.327818	-0.029459
		0.088598	-0.179045	-30.643	-1.563	179.438	0.034919
2408	1.390	-0.245711	0.184524	0.063120	0.009804	-0.240085	0.227019
		0.088598	-0.179045	-30.643	-1.563	136.846	-0.213943
2409	0	-0.286396	0.212323	0.098077	0.009081	-0.258263	-0.001970
		0.139307	-0.211794	-43.951	-1.899	138.046	0.015579
2409	1.390	-0.419954	0.336527	0.069736	0.038952	-0.124034	0.396309
		0.272865	-0.335998	-43.923	-1.928	76.958	-0.381965
2410	0	-0.325796	0.264203	0.134142	0.008354	-0.142637	0.134554
		0.185910	-0.292955	-58.041	-1.865	78.422	-0.107245
2410	1.390	0.518046	-0.248986	-50.154	0.633294	-3.022	-0.307122
		-0.657932	0.220234	-7.753	-2.490	0.814658	0.294466
2501	0	-0.301246	-0.075984	0.003506	-0.086410	-0.060593	0.153712
		0.217033	0.129612	31.490	3.571	1.869	-0.259722

2501	1.390	-0.113353	-0.157306	-3.317	1.226	-3.361	0.018350
		0.029141	0.210934	34.811	2.259	48.944	-0.049821
2502	0	-0.175334	-0.137175	-2.917	1.018	-2.173	0.127497
		0.060834	0.139168	28.239	1.533	49.722	-0.199422
2502	1.390	-0.131613	-0.013498	-2.959	1.071	-6.279	-0.005950
		0.017113	0.015492	28.281	1.480	89.024	-0.063205
2503	0	-0.461318	-0.044148	-2.321	0.817273	-5.263	0.052738
		0.323306	0.034816	20.930	1.049	89.643	-0.151676
2503	1.390	-0.142640	0.016699	-2.331	0.843903	-8.498	0.013156
		0.004628	-0.026031	20.940	1.022	118.745	-0.125065
2504	0	-0.404777	-0.046355	-1.482	0.519372	-7.765	0.055824
		0.252943	0.039719	12.865	0.629387	119.169	-0.184273
2504	1.390	-0.153698	0.012903	-1.490	0.544059	-9.824	0.019152
		0.301865	-0.019539	12.873	0.604701	137.051	-0.156824
2505	0	-0.349424	-0.045840	-0.507958	0.169136	-9.449	0.053855
		0.189811	0.045545	4.335	0.210294	137.268	-0.200686
2505	1.390	-0.357547	-0.058830	-0.511355	0.169054	-10.155	-0.016263
		0.197933	0.058535	4.338	0.210376	143.294	-0.130979
2506	0	-0.292500	-0.055804	0.509352	-0.200564	-10.167	0.057956
		0.127959	0.063437	-4.346	-0.209825	143.294	-0.210825
2506	1.390	-0.139804	-0.043578	0.505782	-0.200551	-9.463	-0.012753
		-0.024738	0.051211	-4.342	-0.209837	137.258	-0.129506
2507	0	0.705979	-0.128389	1.493	-0.586434	-9.865	0.074810
		-0.874504	0.145059	-12.879	-0.595073	137.044	-0.221648
2507	1.390	-0.098143	-0.039603	1.486	-0.552605	-7.797	-0.020612
		-0.070382	0.056274	-12.872	-0.628902	119.149	-0.103055
2508	0	0.833644	-0.114830	2.350	-0.891360	-8.567	0.037570
		-1.007	0.142316	-20.948	-1.011	118.738	-0.166810
2508	1.390	0.832695	-0.065849	2.329	-0.872313	-5.310	-0.088464
		-1.006	0.093335	-20.928	-1.030	89.630	-0.002571
2509	0	0.915966	-0.008586	3.006	-1.128	-6.355	-0.046857
		-1.095	0.053253	-28.292	-1.467	89.015	-0.051496
2509	1.390	0.784951	0.045000	2.982	-1.110	-2.202	-0.005076
		-0.963663	-0.000333	-28.268	-1.485	49.717	-0.031192

2510	0	0.825549	0.339727	3.377	-1.290	-3.418	-0.097393
		-1.004	-0.268981	-34.798	-2.255	48.937	0.062422
2510	1.390	0.355068	-0.005663	0.006186	0.037937	-0.061854	0.013254
		-0.533022	0.076409	-31.428	-3.583	1.908	0.050107
3101	0	0.214337	0.013439	0.000825	0.031473	-0.085596	-0.021067
		-0.545448	-0.149607	39.677	-4.183	2.760	0.139325
3101	1.640	-0.250636	0.212692	-3.588	-2.282	-3.337	0.084468
		-0.080475	-0.348859	43.265	-1.870	71.081	-0.189517
3102	0	-0.251626	-0.029349	-3.173	-2.027	-0.882137	0.051796
		-0.113647	-0.034898	35.405	-1.116	71.598	-0.111595
3102	1.640	-0.251626	-0.029349	-3.173	-2.027	-6.085	0.003666
		-0.113647	-0.034898	35.405	-1.116	129.659	-0.168825
3103	0	-0.926233	0.008068	-2.473	-1.585	-3.995	-0.011734
		0.540905	-0.043379	26.306	-0.745408	130.029	-0.128078
3103	1.640	-0.926233	0.008068	-2.473	-1.585	-8.051	0.001496
		0.540905	-0.043379	26.306	-0.745408	173.168	-0.199216
3104	0	-0.914018	0.005014	-1.565	-1.021	-6.543	-0.012992
		0.521596	-0.024192	16.192	-0.422735	173.395	-0.176300
3104	1.640	-0.914018	0.005014	-1.565	-1.021	-9.109	-0.004769
		0.521596	-0.024192	16.192	-0.422735	199.948	-0.215973
3105	0	-0.908963	0.001954	-0.531143	-0.352558	-8.315	-0.010074
		0.514919	-0.008067	5.460	-0.136316	200.049	-0.208672
3105	1.640	-0.900921	0.002326	-0.537112	-0.352516	-9.187	-0.006275
		0.506876	-0.008439	5.466	-0.136358	209.004	-0.222496
3106	0	-0.900949	-0.002324	0.537075	0.352512	-9.187	-0.006276
		0.506812	0.008429	-5.466	0.136357	209.005	-0.222488
3106	1.640	-0.909024	-0.001971	0.531105	0.352555	-8.316	-0.010088
		0.514886	0.008076	-5.460	0.136314	200.049	-0.208665
3107	0	-0.913960	-0.005031	1.565	1.021	-9.109	-0.004754
		0.521596	0.024191	-16.191	0.422734	199.948	-0.215973
3107	1.640	-0.913960	-0.005031	1.565	1.021	-6.543	-0.013006
		0.521596	0.024191	-16.191	0.422734	173.396	-0.176301
3108	0	-0.926239	-0.008049	2.473	1.585	-8.051	0.001481
		0.540905	0.043379	-26.306	0.745407	173.169	-0.199216
3108	1.640	-0.926239	-0.008049	2.473	1.585	-3.995	-0.011719
		0.540905	0.043379	-26.306	0.745407	130.029	-0.128078
3109	0	-0.251656	0.029365	3.173	2.027	-6.085	0.003653
		-0.113612	0.034909	-35.405	1.116	129.660	-0.168836
3109	1.640	-0.251656	0.029365	3.173	2.027	-0.882156	0.051809
		-0.113612	0.034909	-35.405	1.116	71.598	-0.111587
3110	0	-0.250668	-0.212675	3.588	2.282	-3.337	0.084455
		-0.080476	0.348841	-43.265	1.870	71.081	-0.189504
3110	1.640	0.214300	-0.013416	-0.000824	-0.031473	-0.085591	-0.021049
		-0.545444	0.149583	-39.677	4.183	2.761	0.139305
3201	0	0.446733	-0.000929	54.821	1.374	-3.972	0.177621
		-1.027	-0.023515	11.265	-4.012	0.732464	-0.136241
3201	1.640	-0.081562	0.078044	-0.088750	-0.007092	-0.132356	-0.085322
		-0.498667	-0.102489	66.175	-2.631	105.270	0.086615
3202	0	-0.081537	0.028847	-0.057639	-0.005279	-0.111669	-0.088047
		-0.463573	-0.057658	49.836	-2.589	103.214	0.121344
3202	1.640	-0.081537	0.028847	-0.057639	-0.005279	-0.206193	-0.040739
		-0.463573	-0.057658	49.836	-2.589	184.941	0.026788
3203	0	-0.081432	0.014848	-0.031494	-0.004220	-0.188236	-0.067121
		-0.443677	-0.024531	34.660	-2.088	183.279	0.076396
3203	1.640	-0.081432	0.014848	-0.031494	-0.004220	-0.239884	-0.042771
		-0.443677	-0.024531	34.660	-2.088	240.120	0.036168
3204	0	-0.083204	0.007890	-0.011796	-0.003140	-0.226636	-0.060720
		-0.432975	-0.007808	20.432	-1.338	238.977	0.061559
3204	1.640	-0.083204	0.007890	-0.011796	-0.003140	-0.246033	-0.047781
		-0.432975	-0.007808	20.432	-1.338	272.484	0.048754
3205	0	-0.084570	0.002483	0.001651	-0.001230	-0.239087	-0.055803
		-0.427891	-0.001510	6.749	-0.459667	271.906	0.057314
3205	1.640	-0.091658	0.002765	-0.005468	-0.001164	-0.239165	-0.051901
		-0.420804	-0.001792	6.756	-0.459733	282.977	0.055007
3206	0	-0.091700	-0.002775	0.005468	0.001164	-0.239166	-0.051892
		-0.420762	0.001719	-6.755	0.459729	282.976	0.055067
3206	1.640	-0.084613	-0.002465	-0.001651	0.001230	-0.239087	-0.055788

		-0.427849	0.001408	-6.748	0.459663	271.907	0.057231
3207	0	-0.083122	-0.007926	0.011798	0.003140	-0.246035	-0.047751
		-0.432977	0.007846	-20.433	1.338	272.485	0.048722
3207	1.640	-0.083122	-0.007926	0.011798	0.003140	-0.226686	-0.060750
		-0.432977	0.007846	-20.433	1.338	238.977	0.061590
3208	0	-0.081475	-0.014802	0.031488	0.004220	-0.239880	-0.042809
		-0.443716	0.024652	-34.660	2.088	240.120	0.036068
3208	1.640	-0.081475	-0.014802	0.031488	0.004220	-0.188241	-0.067083
		-0.443716	0.024652	-34.660	2.088	183.280	0.076496
3209	0	-0.081574	-0.028857	0.057641	0.005279	-0.206195	-0.040731
		-0.463574	0.057612	-49.836	2.589	184.942	0.026827
3209	1.640	-0.081574	-0.028857	0.057641	0.005279	-0.111668	-0.088055
		-0.463574	0.057612	-49.836	2.589	103.214	0.121306
3210	0	-0.081485	-0.077999	0.088754	0.007092	-0.132360	-0.085359
		-0.498666	0.102414	-66.175	2.632	105.271	0.086676
3210	1.640	0.446814	0.000854	-54.821	-1.374	-3.971	0.177560
		-1.027	0.023561	-11.266	4.012	0.732532	-0.136205
3301	0	-1.011	0.019411	70.105	4.77E-07	-3.343	-0.018734
		0.415102	-0.004672	-0.114056	2.24E-07	0.195512	0.002604
3301	1.640	0.389450	-0.004747	-0.158129	3.00E-07	-0.195502	-0.004919
		-0.985408	0.019486	70.150	3.88E-07	111.829	0.012960
3302	0	0.398429	-0.001111	0.033627	-2.09E-07	-0.181889	-8.50E-05
		-0.974485	0.020675	54.905	1.08E-06	109.959	-0.015804
3302	1.640	0.398429	-0.001111	0.033627	-2.09E-07	-0.126744	-0.001907
		-0.974485	0.020675	54.905	1.08E-06	200.000	0.018102
3303	0	0.371357	-2.28E-05	0.110550	-1.90E-07	-0.127300	-0.000470
		-0.922741	0.016978	39.369	1.34E-06	198.381	-0.010445
3303	1.640	0.315586	-3.86E-05	0.007456	1.42E-08	-0.024983	-2.11E-05
		-0.866971	0.016994	39.472	1.10E-06	263.022	0.016911
3304	0	0.318453	7.76E-06	0.007511	9.16E-09	-0.024995	3.39E-06
		-0.855009	0.010786	23.737	3.87E-08	261.820	-0.004180
3304	1.640	0.318453	7.76E-06	0.007511	9.16E-09	-0.012677	1.61E-05
		-0.855009	0.010786	23.737	3.87E-08	300.748	0.013509
3305	0	0.319647	-3.44E-05	0.007549	5.09E-09	-0.012711	3.74E-05
		-0.850354	0.003713	7.911	-6.98E-08	300.108	0.002293
3305	1.640	0.639931	-1.21E-05	-1.81E-05	2.31E-09	-0.000705	8.23E-06
		-1.171	0.003691	7.919	-6.71E-08	313.083	0.008355
3306	0	0.639931	-1.65E-05	1.81E-05	-2.32E-09	-0.000705	3.22E-05
		-1.171	-0.003578	-7.919	-2.98E-08	313.083	0.008262
3306	1.640	0.319647	5.85E-06	-0.007549	-5.09E-09	-0.012710	1.42E-05
		-0.850354	-0.003601	-7.911	2.98E-08	300.108	0.002385
3307	0	0.318453	4.87E-05	-0.007511	-9.30E-09	-0.012676	-3.00E-05
		-0.855088	-0.010869	-23.737	6.52E-08	300.748	0.013576
3307	1.640	0.318453	4.87E-05	-0.007511	-9.30E-09	-0.024994	4.99E-05
		-0.855088	-0.010869	-23.737	6.52E-08	261.821	-0.004247
3308	0	0.315546	-1.57E-05	-0.007456	-1.39E-08	-0.024983	2.34E-05
		-0.866891	-0.016882	-39.472	-1.94E-06	263.023	0.016819
3308	1.640	0.371318	-3.16E-05	-0.110551	1.90E-07	-0.127300	-0.000515
		-0.922662	-0.016866	-39.369	-2.15E-06	198.382	-0.010353
3309	0	0.398470	0.001084	-0.033629	1.30E-07	-0.126742	-0.001884
		-0.974486	-0.020815	-54.905	-4.77E-07	200.000	0.018217
3309	1.640	0.398470	0.001084	-0.033629	1.90E-07	-0.181892	-0.000107
		-0.974486	-0.020815	-54.905	-4.77E-07	109.960	-0.015918
3310	0	0.389411	0.004748	0.158127	-2.81E-07	-0.195502	-0.004919
		-0.985489	-0.019431	-70.149	-4.77E-07	111.830	0.012915
3310	1.640	-1.011	-0.019412	-70.105	-4.62E-07	-3.342	-0.018734
		0.415022	0.004728	0.114053	-2.07E-07	0.195509	0.002650
3401	0	0.429078	0.030908	54.821	-1.374	-3.972	-0.211671
		-1.032	0.030898	11.266	4.012	0.732414	0.128650
3401	1.640	-0.082211	-0.083582	-0.088750	0.007091	-0.132351	0.080336
		-0.520428	0.145387	66.175	2.631	105.270	-0.062001
3402	0	-0.081495	-0.031578	-0.057636	0.005278	-0.111663	0.089404
		-0.480940	0.100986	49.836	2.589	103.213	-0.155195
3402	1.640	-0.081495	-0.031578	-0.057636	0.005278	-0.206182	0.037618
		-0.480940	0.100986	49.836	2.589	184.942	0.010416
3403	0	-0.081228	-0.015622	-0.031493	0.004219	-0.188226	0.066994
		-0.466018	0.055093	34.660	2.088	183.280	-0.092775

3403	1.640	-0.081228	-0.015622	-0.031493	0.004219	-0.239873	0.041375
		-0.466018	0.055093	34.660	2.088	240.120	-0.002427
3404	0	-0.082841	-0.008092	-0.011798	0.003140	-0.226675	0.060371
		-0.461214	0.025544	20.433	1.338	238.976	-0.065195
3404	1.640	-0.082841	-0.008092	-0.011798	0.003140	-0.246023	0.047100
		-0.461214	0.025544	20.433	1.338	272.485	-0.023304
3405	0	-0.084302	-0.002450	0.001651	0.001230	-0.239075	0.055411
		-0.459533	0.007490	6.749	0.459666	271.906	-0.050692
3405	1.640	-0.091349	-0.002711	-0.005468	0.001164	-0.239153	0.051580
		-0.452485	0.007750	6.756	0.459732	282.977	-0.038596
3406	0	-0.091391	0.002721	0.005471	-0.001164	-0.239156	0.051572
		-0.452486	-0.007621	-6.756	-0.459728	282.977	-0.038702
3406	1.640	-0.084304	0.002432	-0.001648	-0.001230	-0.239072	0.055397
		-0.459574	-0.007332	-6.749	-0.459662	271.906	-0.050563
3407	0	-0.082838	0.008130	0.011793	-0.003140	-0.246019	0.047069
		-0.461254	-0.025749	-20.433	-1.338	272.485	-0.023137
3407	1.640	-0.082838	0.008130	0.011793	-0.003140	-0.226679	0.060402
		-0.461254	-0.025749	-20.433	-1.338	238.977	-0.065363
3408	0	-0.081228	0.015659	0.031494	-0.004219	-0.239874	0.041345
		-0.465978	-0.055046	-34.660	-2.088	240.120	-0.002465
3408	1.640	-0.081228	0.015659	0.031494	-0.004219	-0.188226	0.067024
		-0.465978	-0.055046	-34.660	-2.088	183.280	-0.092736
3409	0	-0.081534	0.031476	0.057635	-0.005278	-0.206182	0.037702
		-0.480899	-0.100968	-49.836	-2.589	184.942	0.010400
3409	1.640	-0.081534	0.031476	0.057635	-0.005278	-0.111664	0.089320
		-0.480899	-0.100968	-49.836	-2.589	103.214	-0.155181
3410	0	-0.082214	0.083592	0.088746	-0.007091	-0.132349	0.080328
		-0.520467	-0.145369	-66.176	-2.632	105.271	-0.062016
3410	1.640	0.429078	-0.030891	-54.821	1.374	-3.972	-0.211658
		-1.032	-0.030886	-11.265	-4.012	0.732606	0.128660
3501	0	0.214638	-0.013414	0.000824	-0.031473	-0.085594	0.021208
		-0.546687	0.097424	39.677	4.183	2.760	-0.186786
3501	1.640	-0.253204	-0.195274	-3.588	2.282	-3.337	-0.071224
		-0.078845	0.279284	43.265	1.870	71.080	0.043417

3502	0	-0.264159	0.040174	-3.173	2.027	-0.882127	-0.051397
		-0.129002	-0.036218	35.405	1.116	71.598	-0.057693
3502	1.640	-0.264159	0.040174	-3.173	2.027	-6.085	0.014485
		-0.129002	-0.036218	35.405	1.116	129.659	-0.117089
3503	0	-0.945881	-0.000183	-2.473	1.585	-3.995	0.020129
		0.512876	-0.011094	26.306	0.745409	130.028	-0.172152
3503	1.640	-0.945881	-0.000183	-2.473	1.585	-8.051	0.019828
		0.512876	-0.011094	26.306	0.745409	173.168	-0.190345
3504	0	-0.939215	0.000287	-1.565	1.021	-6.543	0.027871
		0.486385	-0.009574	16.191	0.422736	173.395	-0.221767
3504	1.640	-0.939215	0.000287	-1.565	1.021	-9.109	0.028341
		0.486385	-0.009574	16.191	0.422736	199.948	-0.237468
3505	0	-0.937254	-0.000139	-0.531124	0.352558	-8.316	0.030140
		0.476388	-0.003325	5.460	0.136316	200.049	-0.248720
3505	1.640	-0.929212	-0.000469	-0.537093	0.352516	-9.187	0.029342
		0.468346	-0.002995	5.466	0.136359	209.005	-0.253604
3506	0	-0.929220	0.000459	0.537057	-0.352513	-9.187	0.029350
		0.468346	0.002987	-5.466	-0.136357	209.005	-0.253597
3506	1.640	-0.937262	0.000120	0.531088	-0.352556	-8.316	0.030124
		0.476388	0.003325	-5.461	-0.136315	200.049	-0.248720
3507	0	-0.939273	-0.000261	1.565	-1.021	-9.109	0.028320
		0.486352	0.009583	-16.191	-0.422735	199.948	-0.237475
3507	1.640	-0.939273	-0.000261	1.565	-1.021	-6.543	0.027893
		0.486352	0.009583	-16.191	-0.422735	173.396	-0.221760
3508	0	-0.945819	0.000156	2.473	-1.585	-8.051	0.019850
		0.512908	0.011076	-26.306	-0.745408	173.169	-0.190331
3508	1.640	-0.945819	0.000156	2.473	-1.585	-3.995	0.020106
		0.512908	0.011076	-26.306	-0.745408	130.029	-0.172167
3509	0	-0.264186	-0.040163	3.173	-2.027	-6.085	0.014477
		-0.129002	0.036225	-35.404	-1.116	129.660	-0.117095
3509	1.640	-0.264186	-0.040163	3.173	-2.027	-0.882192	-0.051389
		-0.129002	0.036225	-35.404	-1.116	71.599	-0.057688
3510	0	-0.253172	0.195240	3.588	-2.282	-3.337	-0.071196
		-0.078846	-0.279292	-43.266	-1.870	71.082	0.043424

3510	1.640	0.214670	0.013391	-0.000824	0.031474	-0.085590	0.021190
		-0.546688	-0.097444	-39.677	-4.183	2.760	-0.186803
4101	0	0.355012	-0.005490	-0.006190	0.037936	-0.061868	-0.013238
		-0.533118	0.042617	31.428	-3.583	1.907	-0.092784
4101	1.390	0.826424	0.360078	-3.377	-1.290	-3.418	0.110880
		-1.005	-0.322951	34.798	-2.255	48.937	-0.165299
4102	0	0.792539	0.035925	-2.982	-1.110	-2.202	0.009019
		-0.953831	-0.056534	28.268	-1.485	49.715	-0.086044
4102	1.390	0.923985	0.002310	-3.006	-1.128	-6.355	0.065954
		-1.085	-0.002919	28.292	-1.467	89.015	-0.143826
4103	0	0.846519	-0.058321	-2.329	-0.872315	-5.309	0.100666
		-0.988462	0.049380	20.928	-1.030	89.629	-0.203006
4103	1.390	0.847354	-0.107371	-2.350	-0.891362	-8.567	-0.014946
		-0.989297	0.098430	20.948	-1.011	118.738	-0.099820
4104	0	-0.082760	-0.035018	-1.486	-0.552607	-7.797	0.038730
		-0.045716	0.029330	12.872	-0.628904	119.149	-0.169450
4104	1.390	0.723400	-0.123722	-1.493	-0.586436	-9.865	-0.049978
		-0.851875	0.118034	12.878	-0.595075	137.043	-0.088649
4105	0	-0.122506	-0.041838	-0.505848	-0.200554	-9.463	0.035203
		0.002548	0.042152	4.342	-0.209839	137.258	-0.183533
4105	1.390	-0.275241	-0.054055	-0.509419	-0.200567	-10.167	-0.033087
		0.155283	0.054368	4.346	-0.209826	143.294	-0.114807
4106	0	-0.340318	-0.060453	0.511311	0.169051	-10.155	0.041006
		0.225333	0.067740	-4.338	0.210375	143.294	-0.194755
4106	1.390	-0.332234	-0.047451	0.507913	0.169133	-9.449	-0.031355
		0.217248	0.054738	-4.335	0.210293	137.269	-0.112266
4107	0	-0.137771	0.008170	1.490	0.544057	-9.825	0.005467
		0.026460	0.007524	-12.873	0.604699	137.051	-0.153402
4107	1.390	-0.389229	-0.051031	1.482	0.519370	-7.765	-0.037919
		0.277918	0.066726	-12.865	0.629386	119.170	-0.088202
4108	0	-0.130189	0.009411	2.331	0.843901	-8.498	0.008842
		0.024059	0.017835	-20.940	1.022	118.745	-0.141409
4108	1.390	-0.448905	-0.051029	2.321	0.817271	-5.263	-0.040875
		0.342775	0.078274	-20.930	1.049	89.644	-0.053822

4109	0	-0.124019	-0.023308	2.959	1.071	-6.279	0.023536
		0.028287	0.071390	-28.282	1.480	89.025	-0.131730
4109	1.390	-0.165497	-0.146082	2.917	1.018	-2.173	-0.123261
		0.069765	0.194164	-28.240	1.533	49.722	0.081899
4110	0	-0.111194	-0.173379	3.317	1.226	-3.361	-0.007398
		0.029368	0.264111	-34.811	2.259	48.944	-0.052372
4110	1.390	-0.299654	-0.073731	-0.003498	-0.086410	-0.060581	-0.152286
		0.217828	0.164463	-31.490	3.571	1.870	0.218628
4201	0	0.533837	-0.224328	50.154	0.633296	-3.023	0.278263
		-0.653090	0.222426	7.753	-2.490	0.814639	-0.297507
4201	1.390	-0.324777	0.257319	-0.134150	0.008353	-0.142650	-0.139242
		0.205524	-0.259220	58.041	-1.865	78.422	0.117355
4202	0	-0.419850	0.332842	-0.069737	0.038951	-0.124045	-0.395047
		0.286509	-0.300158	43.923	-1.928	76.958	0.356474
4202	1.390	-0.286057	0.208569	-0.098080	0.009080	-0.258278	-0.001920
		0.152716	-0.175884	43.951	-1.899	138.046	0.008777
4203	0	-0.245616	0.183282	-0.063110	0.009803	-0.240108	-0.227454
		0.102337	-0.153555	30.643	-1.563	136.846	0.203789
4203	1.390	-0.245616	0.183282	-0.063110	0.009803	-0.327827	0.027298
		0.102337	-0.153555	30.643	-1.563	179.438	-0.009643
4204	0	-0.209631	0.168871	-0.030530	0.009412	-0.314042	-0.202697
		0.062079	-0.151002	18.068	-1.018	178.599	0.193977
4204	1.390	-0.209631	0.168871	-0.030530	0.009412	-0.356478	0.032025
		0.062079	-0.151002	18.068	-1.018	203.712	-0.015908
4205	0	-0.174174	0.159320	-0.001713	0.009058	-0.348501	-0.188337
		0.024555	-0.150773	5.948	-0.365206	203.280	0.187121
4205	1.390	-0.226648	0.188871	-0.005938	0.009172	-0.351617	0.059752
		0.077030	-0.180324	5.953	-0.365320	211.549	-0.049088
4206	0	-0.185781	0.181260	0.019542	0.009118	-0.350147	-0.189397
		0.034057	-0.178291	-6.007	0.321933	211.540	0.190580
4206	1.390	-0.332915	0.152440	0.015365	0.009073	-0.327962	0.034431
		0.181191	-0.149471	-6.003	0.321978	203.196	-0.029122
4207	0	-0.295403	0.146568	0.039046	0.009102	-0.332892	-0.166090

		0.140341	-0.144855	-18.105	0.975664	203.608	0.166155
4207	1.390	-0.295403	0.146568	0.039046	0.009102	-0.278621	0.037631
		0.140341	-0.144855	-18.105	0.975664	178.444	-0.035184
4208	0	-0.256635	0.139545	0.062411	0.009190	-0.289177	-0.150117
		0.095831	-0.132390	-30.647	1.522	179.260	0.146374
4208	1.390	-0.256635	0.139545	0.062411	0.009190	-0.202429	0.043843
		0.095831	-0.132390	-30.647	1.522	136.663	-0.037641
4209	0	-0.215867	0.117155	0.085881	0.009939	-0.217215	-0.124654
		0.044209	-0.101493	-43.896	1.863	137.836	0.119504
4209	1.390	-0.215867	0.117155	0.085881	0.009939	-0.097845	0.038186
		0.044209	-0.101493	-43.896	1.863	76.823	-0.021566
4210	0	-0.179311	0.051051	0.110335	0.011046	-0.115100	-0.099899
		-0.006811	-0.037245	-57.904	1.845	78.258	0.103128
4210	1.390	0.349116	-0.132010	-50.063	-0.705406	-2.968	0.033508
		-0.535239	0.145816	-7.731	2.561	0.780315	-0.011089
4301	0	-0.712308	0.014189	61.661	-9.54E-07	-2.109	-0.013218
		0.572730	-0.006688	-0.200807	7.23E-07	0.205539	0.004019
4301	1.390	0.301379	-0.006685	-0.230004	8.31E-07	-0.250364	-0.005174
		-0.440957	0.014185	61.690	-9.57E-07	83.773	0.006401
4302	0	0.307543	-0.001860	-0.008211	-5.43E-07	-0.233273	-0.000380
		-0.441923	0.015303	48.487	-5.03E-07	82.670	-0.010100
4302	1.390	0.307543	-0.001860	-0.008211	-5.43E-07	-0.244687	-0.002965
		-0.441923	0.015303	48.487	-5.03E-07	150.065	0.011171
4303	0	0.279881	-0.000217	0.107069	-7.24E-07	-0.240359	-0.000961
		-0.419111	0.012872	34.933	-1.12E-08	149.112	-0.005942
4303	1.390	0.279881	-0.000217	0.107069	-7.24E-07	-0.091540	-0.001263
		-0.419111	0.012872	34.933	-1.12E-08	197.667	0.011950
4304	0	0.247841	0.000358	0.135526	-6.63E-07	-0.100073	-0.000748
		-0.394545	0.008219	21.057	-7.45E-09	196.968	-0.001195
4304	1.390	0.193330	6.45E-05	0.008875	-1.14E-07	-0.012650	1.37E-05
		-0.340035	0.008512	21.183	-6.03E-07	226.337	0.009964
4305	0	0.195095	8.57E-05	0.008924	-1.16E-07	-0.012668	-8.72E-05
		-0.348041	0.003011	7.098	-5.14E-07	225.956	0.002912
4305	1.390	0.195095	8.57E-05	0.008924	-1.16E-07	-0.000265	3.19E-05
		-0.348041	0.003011	7.098	-5.14E-07	235.822	0.007097
4306	0	0.196316	-5.66E-06	0.008950	-1.16E-07	-0.000286	-2.14E-05
		-0.354825	-0.002504	-7.063	-5.36E-07	235.816	0.006771
4306	1.390	0.001217	1.06E-05	3.67E-05	-1.17E-07	-0.000143	-2.14E-05
		-0.159727	-0.002520	-7.054	-5.36E-07	226.011	0.003284
4307	0	0.001228	4.97E-05	6.09E-05	-1.15E-07	-0.000130	-6.03E-05
		-0.166494	-0.008399	-21.146	-4.10E-07	226.379	0.010017
4307	1.390	0.473354	-7.53E-06	-0.095505	-4.84E-08	-0.056194	-0.000270
		-0.638621	-0.008342	-21.050	-4.77E-07	197.044	-0.001379
4308	0	0.490852	0.000191	-0.076177	-9.31E-10	-0.049910	-0.000840
		-0.665962	-0.012761	-34.937	-1.19E-06	197.735	0.011787
4308	1.390	0.489603	0.000131	-0.076258	1.10E-07	-0.155872	-0.000591
		-0.664712	-0.012700	-34.937	-1.43E-06	149.174	-0.005933
4309	0	0.502521	0.001385	0.003503	1.10E-07	-0.158518	-0.002227
		-0.690434	-0.015362	-48.500	-9.54E-07	150.119	0.011020
4309	1.390	0.502521	0.001385	0.003503	1.10E-07	-0.153649	-0.000302
		-0.690434	-0.015362	-48.500	-9.54E-07	82.707	-0.010332
4310	0	0.493596	0.004453	0.158068	-2.63E-07	-0.165171	-0.004576
		-0.691394	-0.014676	-61.706	2.15E-06	83.802	0.006033
4310	1.390	-0.898318	-0.014226	-61.651	1.67E-06	-2.047	-0.013046
		0.700520	0.004003	0.103133	1.84E-07	0.135500	0.000294
4401	0	0.518043	0.248733	50.154	-0.633294	-3.023	-0.306945
		-0.657931	-0.220117	7.753	2.490	0.814689	0.294383
4401	1.390	-0.325798	-0.264191	-0.134154	-0.008355	-0.142646	0.134562
		0.185910	0.292808	58.041	1.865	78.422	-0.107348
4402	0	-0.420045	-0.336426	-0.069743	-0.038952	-0.124029	0.396240
		0.272563	0.336170	43.923	1.928	76.958	-0.382086
4402	1.390	-0.286440	-0.212226	-0.098083	-0.009081	-0.258266	-0.001902
		0.139258	0.211971	43.951	1.899	138.046	0.015701
4403	0	-0.245617	-0.184612	-0.063115	-0.009804	-0.240088	0.227081
		0.088646	0.179041	30.643	1.563	136.846	-0.213941
4403	1.390	-0.245617	-0.184612	-0.063115	-0.009804	-0.327814	-0.029520
		0.088646	0.179041	30.643	1.563	179.438	0.034916

```
4404       0 -0.209508 -0.169248 -0.030512 -0.009412 -0.314038  0.202017
                0.045826  0.165533    18.067     1.018   178.599 -0.193541
.
4404   1.390 -0.209508 -0.169248 -0.030512 -0.009412 -0.356448 -0.033228
                0.045826  0.165533    18.067     1.018   203.712  0.036540
.
.
4405       0 -0.174205 -0.159117 -0.001717 -0.009058 -0.348482  0.187533
                0.006572  0.155435     5.950     0.365205   203.279 -0.179145
.
4405   1.390 -0.226633 -0.188667 -0.005942 -0.009172 -0.351604 -0.060277
                0.058999  0.184986     5.954     0.365319   211.550  0.063547
.
.
4406       0 -0.185771 -0.181003  0.019535 -0.009118 -0.350128  0.188614
                0.015938  0.173657    -6.007 -0.321934   211.540 -0.176197
.
4406   1.390 -0.332858 -0.152165  0.015358 -0.009073 -0.327951 -0.034848
                0.163026  0.144819    -6.003 -0.321979   203.196  0.037054
.
.
4407       0 -0.295377 -0.146118  0.039050 -0.009102 -0.332882  0.165015
                0.124016  0.130722   -18.105 -0.975665   203.609 -0.145972
.
4407   1.390 -0.295377 -0.146118  0.039050 -0.009102 -0.278604 -0.038080
                0.124016  0.130722   -18.105 -0.975665   178.444  0.035725
.
.
4408       0 -0.256699 -0.138229  0.062407 -0.009190 -0.289164  0.148172
                0.081975  0.107563   -30.647    -1.522   179.260 -0.121788
.
4408   1.390 -0.256699 -0.138229  0.062407 -0.009190 -0.202421 -0.043959
                0.081975  0.107563   -30.647    -1.522   136.662  0.027718
.
.
4409       0 -0.216136 -0.114335  0.085872 -0.009939 -0.217200  0.121497
                0.031206  0.066992   -43.896    -1.863   137.836 -0.096018
.
4409   1.390 -0.216136 -0.114335  0.085872 -0.009939 -0.097843 -0.037423
                0.031206  0.066992   -43.896    -1.863    76.823 -0.002903
.
.
4410       0 -0.180144 -0.046170  0.110333 -0.011046 -0.115094  0.095425
               -0.024649  0.006383   -57.904    -1.845    78.258 -0.093864
.
4410   1.390  0.334573  0.109975   -50.063  0.705403    -2.968 -0.059924
               -0.539365 -0.149762    -7.731    -2.561  0.780325  0.006183
.
.
4501       0  0.355111  0.005672 -0.006189 -0.037936 -0.061868  0.013250
               -0.532982 -0.076444    31.428     3.583     1.907  0.050130
.
4501   1.390  0.825586 -0.339761    -3.377     1.290    -3.418 -0.097419
                -1.003  0.268988    34.798     2.255    48.937  0.062429
.
.
4502       0  0.784941 -0.044954    -2.982     1.110    -2.202 -0.005109
               -0.963661  0.000361    28.268     1.485    49.715 -0.031210
.
```

```
4502   1.390  0.915960  0.008594    -3.006     1.128    -6.355 -0.046853
                -1.095 -0.053187    28.292     1.467    89.015 -0.051448
.
.
4503       0  0.832654  0.065904    -2.329  0.872315    -5.309 -0.088504
                -1.006 -0.093345    20.927     1.030    89.630 -0.002562
.
4503   1.390  0.833565  0.114898    -2.350  0.891362    -8.567  0.037615
                -1.007 -0.142339    20.948     1.011   118.737 -0.166823
.
.
4504       0 -0.098065  0.039542    -1.486  0.552606    -7.797 -0.020572
               -0.070380 -0.056249    12.872  0.628904   119.149 -0.103070
.
4504   1.390  0.706054  0.128346    -1.493  0.586435    -9.865  0.074778
               -0.874499 -0.145054    12.878  0.595075   137.043 -0.221642
.
.
4505       0 -0.139843  0.043531 -0.505818  0.200553    -9.463 -0.012723
               -0.024735 -0.051218     4.343  0.209839   137.258 -0.129499
.
4505   1.390 -0.292502  0.055756 -0.509389  0.200565   -10.167  0.057920
                0.127923 -0.063443     4.347  0.209827   143.295 -0.210825
.
.
4506       0 -0.357588  0.058885  0.511311 -0.169052   -10.155 -0.016304
                0.197931 -0.058575    -4.339 -0.210374   143.294 -0.130948
.
4506   1.390 -0.349466  0.045890  0.507913 -0.169134    -9.449  0.053887
                0.189808 -0.045579    -4.335 -0.210292   137.268 -0.200708
.
.
4507       0 -0.153694 -0.012925     1.490 -0.544057    -9.824  0.019166
                0.001905  0.019523   -12.872 -0.604699   137.051 -0.156812
.
4507   1.390 -0.404772  0.046331     1.482 -0.519371    -7.765  0.055805
                0.252984 -0.039733   -12.864 -0.629385   119.170 -0.184281
.
.
4508       0 -0.142610 -0.016660     2.331 -0.843902    -8.498  0.013128
                0.004590  0.026103   -20.941    -1.022   118.746 -0.125114
.
4508   1.390 -0.461326  0.044199     2.321 -0.817272    -5.263  0.052772
                0.323306 -0.034756   -20.931    -1.049    89.643 -0.151633
.
.
4509       0 -0.131651  0.013479     2.959    -1.071    -6.279 -0.005938
                0.017151 -0.015532   -28.281    -1.480    89.025 -0.063176
.
4509   1.390 -0.175335  0.137143     2.917    -1.018    -2.173  0.127472
                0.060835 -0.139196   -28.239    -1.533    49.723 -0.199440
.
.
4510       0 -0.113354  0.157309     3.317    -1.226    -3.361  0.018347
                0.029143 -0.210885   -34.811    -2.259    48.944 -0.049854
.
4510   1.390 -0.301246  0.075993 -0.003494  0.086410 -0.060576  0.153717
                0.217036 -0.129568   -31.490    -3.571     1.870 -0.259690
.
```

5101	0	-0.180117	-0.068627	0.004454	0.002116	-0.049011	0.044981
		0.172933	0.071537	27.250	-3.198	1.490	-0.097750
5101	1.270	0.355411	0.219697	-2.871	-0.843538	-2.853	-0.021476
		-0.362594	-0.216786	30.125	-2.352	38.906	-0.027598
5102	0	0.112399	0.045494	-2.548	-0.719585	-2.098	-0.025807
		-0.115353	-0.056378	24.346	-1.588	39.686	-0.029101
5102	1.270	0.329718	0.028908	-2.549	-0.720444	-5.335	0.030870
		-0.332672	-0.039792	24.347	-1.587	70.605	-0.099599
5103	0	0.305752	-0.030317	-2.000	-0.568556	-4.686	0.048017
		-0.301253	0.018193	17.969	-1.125	71.248	-0.126429
5103	1.270	0.361580	-0.034919	-2.000	-0.568797	-7.226	0.017394
		-0.357081	0.022794	17.969	-1.125	94.068	-0.111203
5104	0	0.275568	-0.034904	-1.271	-0.379912	-6.746	0.041898
		-0.264854	0.027601	11.019	-0.700670	94.525	-0.143123
5104	1.270	0.327252	-0.044435	-1.271	-0.380132	-8.361	-0.002831
		-0.316538	0.037132	11.019	-0.700449	108.518	-0.107669
5105	0	0.242154	-0.032777	-0.432408	-0.163682	-8.093	0.036157
		-0.227260	0.031622	3.693	-0.270220	108.766	-0.151452
5105	1.270	0.285665	-0.042355	-0.432554	-0.163893	-8.642	-0.008954
		-0.270771	0.041200	3.693	-0.270009	113.456	-0.107808
5106	0	0.022312	0.004706	0.448391	0.088146	-8.615	0.007202
		-0.005337	0.000218	-3.783	0.134747	113.493	-0.126328
5106	1.270	0.241531	-0.042070	0.438241	0.060533	-8.053	-0.011592
		-0.224556	0.046994	-3.772	0.162360	108.696	-0.101281
5107	0	0.027030	0.001870	1.272	0.295561	-8.267	0.007857
		-0.009962	0.009384	-11.134	0.553853	108.525	-0.120814
5107	1.270	0.196638	-0.042517	1.259	0.269764	-6.654	-0.014066
		-0.179570	0.053772	-11.121	0.579650	94.388	-0.084598
5108	0	0.029666	-0.000142	1.965	0.464937	-7.081	0.007074
		-0.014458	0.017739	-18.114	0.923846	94.010	-0.103638
5108	1.270	0.168511	-0.049960	1.949	0.440560	-4.589	-0.020619
		-0.153303	0.067556	-18.098	0.948222	71.010	-0.053599
5109	0	0.031427	-0.000926	2.459	0.571254	-5.179	0.004861
		-0.019877	0.023271	-24.455	1.166	70.439	-0.074346
5109	1.270	0.115877	-0.050721	2.440	0.548687	-2.065	-0.024097
		-0.104327	0.073067	-24.436	1.189	39.390	-0.017010
5110	0	0.032985	-0.000261	2.745	0.547512	-2.754	0.001862
		-0.027251	0.019932	-29.849	1.072	38.670	-0.034904
5110	1.270	0.079250	-0.084957	0.012377	-0.040808	-0.038865	-0.061774
		-0.073516	0.104628	-27.116	1.661	1.534	0.053713
5201	0	0.308086	-0.207632	46.739	0.344633	-2.456	-0.013998
		-0.290031	0.198440	5.819	-1.835	0.739925	0.011259
5201	1.270	-0.347342	0.256937	-0.090365	0.037983	-0.113604	-0.096334
		0.365396	-0.266129	52.649	-1.529	65.144	0.081922
5202	0	-0.300493	0.216335	-0.063091	0.038549	-0.102467	-0.247344
		0.315692	-0.202631	40.027	-1.584	63.987	0.229184
5202	1.270	-0.300493	0.216335	-0.063091	0.038549	-0.182589	0.027390
		0.315692	-0.202631	40.027	-1.584	114.819	-0.028148
5203	0	-0.252343	0.199317	-0.037028	0.038795	-0.172427	-0.187736
		0.264282	-0.182888	27.980	-1.336	113.359	0.174893
5203	1.270	-0.252343	0.199317	-0.037028	0.038795	-0.219451	0.065386
		0.264282	-0.182888	27.980	-1.336	149.392	-0.057365
5204	0	-0.209024	0.192617	-0.012978	0.037936	-0.211035	-0.165569
		0.219372	-0.181372	16.519	-0.907067	148.703	0.161441
5204	1.270	-0.209024	0.192617	-0.012978	0.037936	-0.227517	0.079045
		0.219372	-0.181372	16.519	-0.907067	169.682	-0.068892
5205	0	-0.167368	0.187793	0.007106	0.036965	-0.221443	-0.152951
		0.176604	-0.182394	5.458	-0.383496	169.302	0.154827
5205	1.270	-0.167368	0.187793	0.007106	0.036965	-0.212418	0.085536
		0.176604	-0.182394	5.458	-0.383496	176.233	-0.076804
5206	0	-0.125152	0.184984	0.022145	0.036380	-0.208980	-0.143936
		0.132751	-0.184566	-5.440	0.173049	176.178	0.149509
5206	1.270	-0.125152	0.184984	0.022145	0.036380	-0.180857	0.090983
		0.132751	-0.184566	-5.440	0.173049	169.269	-0.084881
5207	0	-0.081549	0.183986	0.032143	0.036238	-0.180012	-0.135934
		0.087027	-0.188397	-16.413	0.709539	169.537	0.144253
5207	1.270	-0.081549	0.183986	0.032143	0.036238	-0.139192	0.097718
		0.087027	-0.188397	-16.413	0.709539	148.693	-0.095001

5208	0	-0.037308	0.184408	0.037988	0.036344	-0.140614	-0.125867
		0.040109	-0.193700	-27.716	1.175	149.266	0.135958
5208	1.270	-0.037308	0.184408	0.037988	0.036344	-0.092372	0.108321
		0.040109	-0.193700	-27.716	1.175	114.068	-0.110031
5209	0	0.004636	0.184769	0.040782	0.036037	-0.095547	-0.108368
		-0.004341	-0.198088	-39.635	1.499	114.909	0.117971
5209	1.270	0.004636	0.184769	0.040782	0.036037	-0.043755	0.126279
		-0.004341	-0.198088	-39.635	1.499	64.575	-0.133591
5210	0	0.039074	0.175365	0.041516	0.031720	-0.048034	-0.072699
		-0.039241	-0.188075	-52.542	1.471	65.614	0.078369
5210	1.270	-0.037597	0.024302	-46.712	-0.226515	-1.892	0.021206
		0.037429	-0.037012	-5.788	1.730	0.785494	-0.031678
5301	0	-0.071278	0.011020	56.012	0	-1.504	-0.009130
		0.074392	-0.005578	-0.204865	1.08E-06	0.122489	0.002868
5301	1.270	0.137877	-0.005932	-0.199942	2.25E-06	-0.193341	-0.003522
		-0.134763	0.011374	56.007	-1.19E-06	69.684	0.004171
5302	0	0.144664	-0.002256	-0.034547	-5.59E-08	-0.180840	6.10E-05
		-0.136357	0.012488	44.102	-4.77E-07	68.903	-0.007538
5302	1.270	0.144664	-0.002256	-0.034547	-5.59E-08	-0.224712	-0.002804
		-0.136357	0.012488	44.102	-4.77E-07	124.910	0.008321
5303	0	0.131671	-3.12E-05	0.061014	-3.74E-07	-0.220419	-0.001072
		-0.122474	0.010644	31.868	0	124.232	-0.003858
5303	1.270	0.131671	-3.12E-05	0.061014	-3.74E-07	-0.142934	-0.001111
		-0.122474	0.010644	31.868	0	164.703	0.009660
5304	0	0.112666	0.000108	0.094804	-3.80E-07	-0.147510	-0.000583
		-0.104787	0.006652	19.310	0	164.199	0.000361
5304	1.270	0.068932	3.75E-05	0.004890	-9.19E-08	-0.036832	-9.91E-07
		-0.061053	0.006723	19.400	-2.38E-07	188.732	0.008365
5305	0	0.096988	0.000231	0.088317	-3.07E-07	-0.038942	-0.000315
		-0.091162	0.002013	6.536	0	188.449	0.004154
5305	1.270	0.069815	7.26E-05	0.004889	-6.78E-08	-0.030601	3.07E-05
		-0.063989	0.002171	6.620	-2.38E-07	196.853	0.006657
5306	0	0.069878	0.000152	0.004880	-3.95E-08	-0.030599	-0.000106
		-0.065612	-0.003043	-6.269	-8.94E-07	196.826	0.007387
5306	1.270	0.069878	0.000152	0.004880	-3.95E-08	-0.024402	8.75E-05
		-0.065612	-0.003043	-6.269	-8.94E-07	188.865	0.003523
5307	0	0.069301	-5.43E-05	0.004863	-1.50E-08	-0.024417	2.84E-05
		-0.066337	-0.008314	-19.127	5.96E-07	189.099	0.009885
5307	1.270	0.069301	-5.43E-05	0.004863	-1.50E-08	-0.018242	-4.05E-05
		-0.066337	-0.008314	-19.127	5.96E-07	164.808	-0.000673
5308	0	0.068485	0.000223	0.004843	3.26E-09	-0.018271	-0.000144
		-0.066527	-0.012957	-31.798	0	165.273	0.010716
5308	1.270	0.068485	0.000223	0.004843	3.26E-09	-0.012121	0.000140
		-0.066527	-0.012957	-31.798	0	124.891	-0.005739
5309	0	0.067629	-1.04E-05	0.004826	1.58E-08	-0.012159	1.30E-05
		-0.066336	-0.015131	-44.110	7.15E-07	125.528	0.008844
5309	1.270	0.067629	-1.04E-05	0.004826	1.58E-08	-0.006030	-1.60E-07
		-0.066336	-0.015131	-44.110	7.15E-07	69.510	-0.010372
5310	0	0.066988	4.57E-05	0.004820	1.97E-08	-0.006075	-1.09E-05
		-0.066296	-0.011638	-55.923	4.77E-07	70.248	0.003991
5310	1.270	-0.067319	-0.011682	-55.887	4.77E-07	-0.791492	-0.010913
		0.063011	8.95E-05	-0.031858	-7.45E-08	0.020386	7.15E-05
5401	0	0.294012	0.227937	46.739	-0.344630	-2.456	-0.009713
		-0.294919	-0.196829	5.820	1.835	0.739868	-0.013289
5401	1.270	-0.348482	-0.262202	-0.090343	-0.037983	-0.113586	0.093432
		0.347575	0.293310	52.649	1.529	65.144	-0.076928
5402	0	-0.301191	-0.219454	-0.063096	-0.038549	-0.102454	0.248418
		0.302990	0.233490	40.027	1.584	63.987	-0.249884
5402	1.270	-0.301191	-0.219454	-0.063096	-0.038549	-0.182583	-0.030279
		0.302990	0.233490	40.027	1.584	114.819	0.046637
5403	0	-0.252862	-0.200691	-0.037026	-0.038796	-0.172417	0.187498
		0.253010	0.205692	27.980	1.336	113.859	-0.182213
5403	1.270	-0.252862	-0.200691	-0.037026	-0.038796	-0.219438	-0.067369
		0.253010	0.205692	27.980	1.336	149.392	0.079006
5404	0	-0.209385	-0.192657	-0.012974	-0.037936	-0.211026	0.164752
		0.207352	0.193725	16.519	0.907067	148.703	-0.158514
5404	1.270	-0.209385	-0.192657	-0.012974	-0.037936	-0.227502	-0.079912

		0.207352	0.193725	16.519	0.907067	169.682	0.087506
5405	0	-0.167712	-0.187737	0.007108	-0.036965	-0.221433	0.152412
		0.164326	0.186494	5.457	0.383496	169.303	-0.145689
5405	1.270	-0.167712	-0.187737	0.007108	-0.036965	-0.212406	-0.086004
		0.164326	0.186494	5.457	0.383496	176.233	0.091149
5406	0	-0.125316	-0.184890	0.022138	-0.036380	-0.208967	0.143622
		0.121734	0.180786	-5.440	-0.173050	176.178	-0.135446
5406	1.270	-0.125316	-0.184890	0.022138	-0.036380	-0.180852	-0.091177
		0.121734	0.180786	-5.440	-0.173050	169.270	0.094143
5407	0	-0.081684	-0.183624	0.032144	-0.036238	-0.180006	0.135596
		0.079041	0.176180	-16.413	-0.709540	169.537	-0.125723
5407	1.270	-0.081684	-0.183624	0.032144	-0.036238	-0.139184	-0.097597
		0.079041	0.176180	-16.413	-0.709540	148.693	0.098017
5408	0	-0.037380	-0.184225	0.037986	-0.036344	-0.140608	0.125723
		0.036581	0.173181	-27.716	-1.175	149.266	-0.114896
5408	1.270	-0.037380	-0.184225	0.037986	-0.036344	-0.092368	-0.108234
		0.036581	0.173181	-27.716	-1.175	114.068	0.105035
5409	0	0.004607	-0.184476	0.040780	-0.036037	-0.095542	0.108202
		-0.003655	0.169704	-39.635	-1.499	114.909	-0.098113
5409	1.270	0.004607	-0.184476	0.040780	-0.036037	-0.043754	-0.126073
		-0.003655	0.169704	-39.635	-1.499	64.575	0.117402
5410	0	0.039074	-0.175126	0.041513	-0.031719	-0.048031	0.072595
		-0.037984	0.160986	-52.542	-1.471	65.614	-0.066462
5410	1.270	-0.034081	-0.045272	-46.712	0.226515	-1.892	-0.037563
		0.035171	0.031132	-5.788	-1.730	0.785514	0.025739
5501	0	-0.179548	0.068899	0.004452	-0.002117	-0.049013	-0.045035
		0.168059	-0.098735	27.249	3.198	1.491	0.059785
5501	1.270	0.353834	-0.201931	-2.871	0.843538	-2.853	0.031824
		-0.365323	0.172095	30.125	2.352	38.906	-0.054965
5502	0	0.106154	-0.035927	-2.548	0.719585	-2.098	0.029806
		-0.126681	0.009105	24.346	1.588	39.686	-0.064745
5502	1.270	0.323206	-0.019438	-2.549	0.720445	-5.335	-0.014814
		-0.343733	-0.007384	24.347	1.587	70.605	-0.054187
5503	0	0.295324	0.036619	-2.000	0.568556	-4.686	-0.036756
		-0.319390	-0.055425	17.969	1.125	71.248	-0.036318
5503	1.270	0.295324	0.036619	-2.000	0.568556	-7.226	0.009749
		-0.319390	-0.055425	17.969	1.125	94.068	-0.106705
5504	0	0.262727	0.038439	-1.271	0.379912	-6.746	-0.025447
		-0.287870	-0.050233	11.019	0.700670	94.525	-0.072753
5504	1.270	0.314463	0.047984	-1.272	0.380132	-8.361	0.023781
		-0.339606	-0.059777	11.019	0.700450	108.518	-0.136958
5505	0	0.228498	0.033471	-0.432282	0.163683	-8.093	-0.016121
		-0.253372	-0.038140	3.692	0.270220	108.767	-0.096795
5505	1.270	0.272040	0.043051	-0.432429	0.163893	-8.642	0.029871
		-0.296914	-0.047720	3.692	0.270010	113.455	-0.148717
5506	0	0.010130	-0.007106	0.448363	-0.088146	-8.615	0.014431
		-0.033613	0.009309	-3.781	-0.134747	113.492	-0.131800
5506	1.270	0.228861	0.039485	0.438201	-0.060533	-8.053	0.030160
		-0.252344	-0.037281	-3.771	-0.162360	108.697	-0.144731
5507	0	0.016871	-0.007136	1.272	-0.295561	-8.267	0.013227
		-0.037939	0.016301	-11.134	-0.553853	108.525	-0.124932
5507	1.270	0.186100	0.037155	1.259	-0.269764	-6.654	0.028435
		-0.207167	-0.027990	-11.121	-0.579650	94.389	-0.128502
5508	0	0.022808	-0.006985	1.965	-0.464937	-7.081	0.010814
		-0.040177	0.023139	-18.114	-0.923845	94.010	-0.106597
5508	1.270	0.161381	0.042710	1.949	-0.440561	-4.589	0.029377
		-0.178749	-0.026557	-18.098	-0.948222	71.009	-0.104647
5509	0	0.027635	-0.006638	2.459	-0.571255	-5.179	0.007511
		-0.040051	0.027989	-24.456	-1.166	70.439	-0.076552
5509	1.270	0.111928	0.043094	2.440	-0.548688	-2.065	0.026810
		-0.124343	-0.021742	-24.437	-1.189	39.390	-0.068736
5510	0	0.031592	-0.004915	2.745	-0.547513	-2.754	0.003301
		-0.037103	0.023868	-29.849	-1.072	38.670	-0.036105
5510	1.270	0.079290	0.084915	0.012373	0.040808	-0.038868	0.061830
		-0.084801	-0.065962	-27.116	-1.661	1.534	-0.070565
11201	0	-33.302	0.054349	0.317391	-0.493349	-0.270388	3.614
		0.344558	0.006848	-0.109691	0.602446	0.090859	2.165

11201	0.825	-35.919	0.088592	0.234734	-0.326027	-0.009795	3.594
		2.962	-0.027395	-0.027035	0.435124	0.001611	2.235
11202	0	0.347172	0.106058	0.107278	-0.472372	-0.088793	1.955
		-38.188	-0.046705	-0.421008	0.581105	0.361628	4.004
11202	0.825	3.041	-0.037247	0.017266	-0.061833	-0.001341	0.854191
		-40.882	0.096601	-0.330997	0.170566	0.015360	5.154
11203	0	-0.271990	0.024895	-35.911	3.537	-0.000215	0.552900
		0.057467	0.037555	2.950	2.294	1.77E-05	-0.661993
11203	0.300	-0.271990	0.024895	-35.911	3.537	-10.773	0.560368
		0.057467	0.037555	2.950	2.294	0.884863	-0.650727
11204	0	-0.380433	0.014515	-41.233	-3.507	-0.000247	-0.498074
		0.052980	-0.076964	3.427	-2.504	2.06E-05	0.389344
11204	0.300	-0.380433	0.014515	-41.233	-3.507	-12.370	-0.493719
		0.052980	-0.076964	3.427	-2.504	1.028	0.366256
11205	0	-0.891939	-0.032040	-4.76E-12	-0.160818	-5.71E-17	-0.038144
		1.119	-0.027307	1.39E-11	-0.024059	1.67E-16	0.063826
11205	0.600	-0.891939	-0.032040	-4.76E-12	-0.160818	-2.85E-12	-0.057367
		1.119	-0.027307	1.39E-11	-0.024059	8.36E-12	0.047442
11208	0	-87.529	29.911	2.751	0.112107	-27.965	-96.013
		-98.771	33.709	-3.185	-0.030684	31.200	-109.356
11208	4.500	-88.333	29.672	1.970	-1.880	-18.243	37.361
		-97.967	33.947	-2.404	1.962	19.525	43.547
11209	0	-87.529	-29.911	2.751	-0.112688	-27.965	96.013
		-98.771	-33.709	-3.183	0.023549	31.197	109.356
11209	4.500	-88.333	-29.672	1.970	1.880	-18.242	-37.361
		-97.967	-33.947	-2.402	-1.969	19.533	-43.547
11210	0	-81.315	10.299	1.898	0.988206	-24.623	-10.975
		-93.809	11.277	-2.191	-1.017	26.599	-12.558
11210	4.500	-84.219	10.088	0.546058	-0.267880	-19.688	34.158
		-90.905	11.488	-0.839262	0.239024	20.345	39.399
11211	0	-81.315	-10.299	1.898	-0.988626	-24.624	10.975
		-93.809	-11.277	-2.187	1.013	26.589	12.558
11211	4.500	-84.219	-10.088	0.546484	0.267453	-19.687	-34.158
		-90.905	-11.488	-0.834782	-0.243533	20.355	-39.399

11259	0	3.485	0.202078	15.175	1.179	-25.555	-0.154279
		3.485	-0.201578	-15.175	-1.176	35.141	0.653001
11259	4.000	3.485	-0.201578	-15.175	-1.176	-25.555	-0.153278
		3.485	0.202078	15.175	1.179	35.141	0.653998
11260	0	0.443092	0.793978	-2.094	-0.548088	-0.548267	1.847
		4.961	-0.412587	-276.284	-0.546398	232.224	-1.874
11260	2.000	2.543	0.501030	-289.137	-0.307374	-480.667	1.541
		2.860	-0.119639	10.759	-0.787112	155.609	-0.805661
11261	0	2.543	-0.497898	289.137	0.309821	-480.667	1.530
		2.861	0.122771	-10.759	0.789554	155.609	-0.817434
11261	2.000	0.443150	-0.792277	2.094	0.549417	-0.548337	1.844
		4.961	0.417149	276.283	0.549957	232.224	-1.882
11270	0	-263.333	-0.000298	2.359	-0.005919	-57.570	0.000725
		-293.423	0.000284	-3.116	-0.017627	59.764	-0.000327
11270	0.200	-263.333	-0.000298	2.359	-0.005919	-57.098	0.000648
		-293.423	0.000284	-3.116	-0.017627	59.140	-0.000259
11271	0	-12.635	0.024742	14.504	-0.278544	-67.940	0.259826
		-80.455	-0.080092	2.759	-0.045425	29.329	1.250
11271	4.924	-0.459195	0.224734	-0.140296	0.653175	-0.156527	2.272
		-92.631	-0.280085	17.403	-0.977144	46.553	-1.035
11272	0	-12.635	-0.025684	14.504	0.276228	-67.940	-0.262845
		-80.455	0.079146	2.759	0.043109	29.329	-1.253
11272	4.924	-0.459142	-0.225246	-0.140277	-0.654433	-0.156502	-2.276
		-92.631	0.278708	17.403	0.973770	46.553	1.023
11273	0	0.639846	-0.244676	0.124710	-0.231835	-0.666717	2.277
		-95.737	0.331503	-48.557	-0.101257	134.136	-3.081
11273	6.021	-95.737	0.331503	-48.557	-0.101257	-158.206	-1.085
		0.639846	-0.244676	0.124710	-0.231835	0.084109	0.804062
11274	0	0.639927	0.244309	0.124726	0.231656	-0.666797	-2.273
		-95.737	-0.332489	-48.557	0.100778	134.137	3.093
11274	6.021	-95.737	-0.332489	-48.557	0.100778	-158.206	1.092
		0.639927	0.244309	0.124726	0.231656	0.084120	-0.801775
11281	0	0.177956	-0.047679	0.001021	-0.025123	-0.186947	0.345619
		-6.770	0.160610	-70.492	-1.414	12.025	-0.696360

```
.
11281   2.310    -7.140  0.119505   -76.075    -1.586  -165.443 -0.021903
                0.547676 -0.006574     5.584  0.146853    14.477 -0.068016
.
.
11282       0   -15.482  0.255695  -198.891    -3.041  -167.294  0.275850
               -0.537858  0.028248    -7.821 -0.390455    18.882 -0.553904
.
11282   0.301   -15.482  0.255695  -198.891    -3.041  -227.135  0.352781
               -0.537858  0.028248    -7.821 -0.390455    16.529 -0.545405
.
.
11283       0    50.875 -0.345929   -11.166 -0.159675   -14.962  0.408358
                12.574  0.195819    -9.871 -0.042081     9.728 -0.256693
.
11283   2.000    63.231  0.266197   -21.396 -0.673429   -47.603 -0.025176
                0.217172 -0.416306  0.358639  0.471673  0.295691 -0.123365
.
.
11284       0    63.231 -0.268164    21.396  0.675789   -47.603 -0.024764
                0.217198  0.415585 -0.358683 -0.470792  0.295727 -0.123220
.
11284   2.000    50.875  0.344549    11.166  0.161296   -14.962  0.405908
                12.574 -0.197128     9.871  0.043702     9.728 -0.259063
.
.
11285       0   -15.479 -0.236219   198.891     3.041  -227.134  0.343605
               -0.538854 -0.029567     7.820  0.389981    16.529 -0.551440
.
11285   0.301   -15.479 -0.236219   198.891     3.041  -167.294  0.272534
               -0.538854 -0.029567     7.820  0.389981    18.882 -0.560336
.
.
11286       0    -7.140 -0.119506    76.075     1.586  -165.443 -0.022537
                0.547710  0.006574    -5.584 -0.146957    14.477 -0.069151
.
11286   2.310   0.177978  0.047682 -0.001017  0.025073 -0.186964  0.345075
                -6.770 -0.160614    70.492     1.414    12.025 -0.697587
.
.
11301       0   -38.211  0.072291   0.469630 -0.670545 -0.401329     4.043
                0.483283  0.000172 -0.168556  0.899149  0.138498     2.560
.
11301   0.825   -41.210  0.055507   0.278279 -0.315058 -0.016038     4.011
                  3.482  0.016956   0.022795  0.543662  0.001583     2.651
.
.
11302       0   0.415042  0.073041   0.172226 -0.676111 -0.141187     2.188
                -47.451 -5.95E-05 -0.698062  0.906105  0.607168     4.752
.
11302   0.825     3.710  0.079862   0.003149 -0.386490 -0.001614     3.297
                -50.746 -0.006880 -0.528985  0.616484  0.033797     3.704
.
.
11303       0 -0.407033  0.016871   -41.233     3.985 -0.000247  0.510126
                0.090164  0.058038     3.514     2.681  2.11E-05 -0.738727
.
11303   0.300 -0.407033  0.016871   -41.233     3.985   -12.370  0.515187
                0.090164  0.058038     3.514     2.681     1.054 -0.721317
```

```
.
.
11304       0 -0.654259 -0.058036   -50.781    -3.780 -0.000305 -0.749804
                0.085353 -0.016872     3.730    -3.223  2.24E-05  0.519817
.
11304   0.300 -0.654259 -0.058036   -50.781    -3.780   -15.234 -0.767215
                0.085353 -0.016872     3.730    -3.223     1.119  0.514756
.
.
11305       0     1.720 -0.099823 -1.63E-11  0.001431 -1.95E-16  0.130658
               -1.537 -0.026710  5.48E-12 -0.349178  6.57E-17 -0.075751
.
11305   0.600     1.720 -0.099823 -1.63E-11  0.001431 -9.76E-12  0.070766
               -1.537 -0.026710  5.48E-12 -0.349178  3.29E-12 -0.091777
.
.
11308       0   -98.240    33.869     3.346  0.270629   -31.293  -109.236
               -116.294    41.207    -4.239 -0.154755    36.836  -133.553
.
11308   4.500   -98.470    33.771     2.381    -2.467   -19.388    42.741
               -116.065    41.305    -3.273     2.583    20.916    52.297
.
.
11309       0   -98.240   -33.869     3.346 -0.268434   -31.292   109.236
               -116.294   -41.207    -4.237  0.148643    36.833   133.553
.
11309   4.500   -98.470   -33.771     2.380     2.469   -19.390   -42.741
               -116.065   -41.305    -3.271    -2.589    20.923   -52.297
.
.
11310       0   -91.808    11.430     2.427     1.156   -26.519   -12.391
               -108.578    13.402    -3.062    -1.200    29.210   -14.698
.
11310   4.500   -92.994    11.342  0.933616 -0.141931   -20.153    38.543
               -107.392    13.490    -1.568  0.098548    19.989    46.109
.
.
11311       0   -91.807   -11.430     2.426    -1.155   -26.516    12.391
               -108.577   -13.402    -3.058     1.196    29.201    14.698
.
11311   4.500   -92.993   -11.342  0.932315  0.143237   -20.156   -38.543
               -107.391   -13.490    -1.564 -0.102378    19.997   -46.109
.
.
11359       0     3.196  0.062726    17.098  0.689207   -28.495  0.241168
                3.196 -0.062462   -17.098 -0.688025    39.893  0.491492
.
11359   4.000     3.196 -0.062462   -17.098 -0.688025   -28.495  0.241656
                3.196  0.062726    17.098  0.689207    39.893  0.492063
.
.
11360       0  0.396605  0.532600    -1.958  0.413214 -0.489725  0.938285
                5.866  0.312635  -316.822 -0.341980   265.895    -1.292
.
11360   2.000     2.830  0.613947  -330.768  0.181441   -549.555     1.398
                3.432  0.231288    11.988 -0.110206   177.426 -0.061379
.
.
11361       0     2.830 -0.612344   330.766 -0.180185   -549.552     1.392
```

```
                3.432 -0.229686   -11.989  0.111451   177.429 -0.067407
.
11361   2.000 0.396572 -0.532195     1.957 -0.412899 -0.489686  0.937574
                5.865 -0.309835   316.820  0.344165   265.895    -1.297
.
.
11370       0 -293.509 -0.001030     3.113  0.004771   -59.784 -0.001964
              -344.048 -0.000764    -4.800 -0.016814    59.644 -0.003016
.
11370   0.200 -293.509 -0.001030     3.113  0.004771   -59.162 -0.002151
              -344.048 -0.000764    -4.800 -0.016814    58.684 -0.003173
.
.
11371       0  -13.555  0.143792    16.743 -0.208296   -77.919  0.604624
               -92.077 -0.192132     2.254 -0.273254    35.774     1.584
.
11371   4.924 -0.438924  0.161613 -0.125909  0.394912 -0.123868     1.308
              -105.194 -0.209953    19.124 -0.876462    51.527  0.642512
.
.
11372       0  -13.555 -0.144272    16.743  0.207113   -77.919 -0.606197
               -92.078  0.191629     2.254  0.272052    35.774    -1.585
.
11372   4.924 -0.438954 -0.161734 -0.125918 -0.395212 -0.123881    -1.309
              -105.194  0.209091    19.123  0.874377    51.527 -0.649422
.
.
11373       0 0.579105 -0.115191  0.113831 -0.056221 -0.616820     1.409
              -109.725  0.325166   -55.530 -0.302459   153.495    -2.475
.
11373   6.021 -109.725  0.325166   -55.530 -0.302459 -180.825 -0.516836
              0.579105 -0.115191  0.113831 -0.056221  0.068508  0.715517
.
.
11374       0 0.579060  0.115103  0.113823  0.056178 -0.616775    -1.408
              -109.726 -0.325769   -55.530  0.302165   153.495     2.482
.
11374   6.021 -109.726 -0.325769   -55.530  0.302165 -180.825  0.520602
              0.579060  0.115103  0.113823  0.056178  0.068501 -0.714974
.
.
11381       0 0.158968  0.000343 -0.002385 -0.016821 -0.188969  0.165353
               -8.052  0.251687   -84.394    -2.722    13.853 -0.877131
.
11381   2.310   -8.560  0.251203   -90.710    -2.825  -198.775 -0.117177
              0.667116  0.000828     6.313  0.085609    17.520 -0.012519
.
.
11382       0  -17.677  0.527033  -225.771    -4.937  -201.882 -0.231389
              -0.792890  0.112617   -12.455 -0.962602    24.004 -0.255489
.
11382   0.301  -17.677  0.527033  -225.771    -4.937  -269.809 -0.072822
              -0.792890  0.112617   -12.455 -0.962602    20.256 -0.221606
.
.
11383       0   60.038 -0.382148   -10.779 -0.417250   -20.238  0.384329
               14.833  0.123420   -13.643  0.055212    13.476 -0.112004
.
11383   2.000   74.670 -0.032157   -24.763 -0.638389   -55.883 -0.195544
              0.200923 -0.226571  0.341287  0.276350  0.279730 -0.049565
.
.
11384       0   74.670  0.030990    24.763  0.639833   -55.883 -0.195253
              0.200904  0.226405 -0.341263 -0.276141  0.279709 -0.049533
.
11384   2.000   60.038  0.381482    10.779  0.418062   -20.238  0.383264
               14.833 -0.124087    13.643 -0.054370    13.477 -0.113280
.
.
11385       0  -17.679 -0.526254   225.793     4.937  -269.812 -0.075901
              -0.792369 -0.111959    12.461  0.962341    20.255 -0.225013
.
11385   0.301  -17.679 -0.526254   225.793     4.937  -201.878 -0.234234
              -0.792369 -0.111959    12.461  0.962341    24.005 -0.258698
.
.
11386       0   -8.560 -0.251210    90.710     2.825  -198.775 -0.116642
              0.666853 -0.000836    -6.313 -0.085686    17.520 -0.013344
.
11386   2.310 0.158957 -0.000341  0.002386  0.016809 -0.188959  0.165231
               -8.052 -0.251705    84.394     2.722    13.854 -0.877333
.
.
11401       0  -47.452  0.000797  0.731892 -0.906101 -0.621062     4.752
              0.415019  0.072785 -0.167964  0.676112  0.139459     2.189
.
11401   0.825  -50.754  0.018129  0.653142 -0.666148 -0.018286     3.728
                3.718  0.055454 -0.089214  0.436159  0.001905     3.273
.
.
11402       0 0.483337 -0.000478  0.167267 -0.899152 -0.138004     2.560
               -38.211  0.072143 -0.473384  0.670546  0.402878     4.043
.
11402   0.825   3.495 -0.007173 -0.001677 -0.615771 -0.001840     2.609
               -41.223  0.078837 -0.304440  0.387164  0.014177     4.054
.
.
11403       0 -0.654259  0.058036   -50.803     3.780 -0.000305  0.749807
              0.085353  0.016872     3.713     3.223  2.23E-05 -0.519818
.
11403   0.300 -0.654259  0.058036   -50.803     3.780   -15.240  0.767217
              0.085353  0.016872     3.713     3.223     1.114 -0.514757
.
.
11404       0 -0.406342  0.021746   -41.260    -3.949 -0.000248 -0.587391
              0.089473 -0.096654     3.491    -2.716  2.09E-05  0.815995
.
11404   0.300 -0.406342  0.021746   -41.260    -3.949   -12.378 -0.580867
              0.089473 -0.096654     3.491    -2.716     1.047  0.787000
.
.
11405       0 0.203470 -0.356826 -6.63E-13    -1.921 -7.95E-18  0.034624
              -0.020168  0.475077  7.48E-13     2.268  8.97E-18 -0.053149
.
11405   0.600 0.203470 -0.356826 -6.63E-13    -1.921 -3.98E-13 -0.179465
              -0.020168  0.475077  7.48E-13     2.268  4.49E-13  0.231889
.
.
```

11408	0	-116.294	41.207	4.239	0.154757	-36.836	-133.553
		-98.240	33.869	-3.346	-0.270628	31.293	-109.236
11408	4.500	-116.065	41.304	3.273	-2.583	-20.916	52.297
		-98.470	33.771	-2.381	2.467	19.388	42.741
11409	0	-116.294	-41.207	4.237	-0.148644	-36.833	133.553
		-98.240	-33.869	-3.346	0.268434	31.292	109.236
11409	4.500	-116.065	-41.305	3.271	2.589	-20.923	-52.297
		-98.470	-33.771	-2.380	-2.469	19.390	-42.741
11410	0	-108.578	13.402	3.062	1.200	-29.210	-14.698
		-91.808	11.430	-2.427	-1.156	26.519	-12.391
11410	4.500	-107.392	13.490	1.568	-0.098548	-19.989	46.109
		-92.994	11.342	-0.933611	0.141931	20.153	38.543
11411	0	-108.577	-13.402	3.058	-1.196	-29.201	14.698
		-91.807	-11.430	-2.426	1.155	26.516	12.391
11411	4.500	-107.391	-13.490	1.564	0.102379	-19.997	-46.109
		-92.993	-11.342	-0.932317	-0.143238	20.156	-38.543
11459	0	3.196	-0.062740	17.098	-0.689208	-28.495	-0.241135
		3.196	0.062464	-17.098	0.688023	39.893	-0.491491
11459	4.000	3.196	0.062464	-17.098	0.688023	-28.495	-0.241647
		3.196	-0.062740	17.098	-0.689208	39.894	-0.492085
11460	0	0.396604	-0.532600	-1.958	-0.413208	-0.489725	-0.938286
		5.866	-0.312635	-316.822	0.341904	265.894	1.292
11460	2.000	2.830	-0.613947	-330.767	-0.181476	-549.555	-1.398
		3.432	-0.231288	11.988	0.110172	177.426	0.061380
11461	0	2.830	0.612346	330.766	0.180221	-549.552	-1.392
		3.432	0.229685	-11.989	-0.111415	177.429	0.067409
11461	2.000	0.396572	0.532196	1.957	0.412893	-0.489686	-0.937574
		5.865	0.309834	316.820	-0.344087	265.895	1.297
11470	0	-344.048	-0.000764	4.800	0.016813	-59.644	-0.003021
		-293.509	-0.001022	-3.113	-0.004771	59.784	-0.001949
11470	0.200	-344.048	-0.000764	4.800	0.016813	-58.684	-0.003174
		-293.509	-0.001022	-3.113	-0.004771	59.162	-0.002196
11471	0	-13.555	-0.143785	16.743	0.208297	-77.919	-0.604617
		-92.077	0.192117	2.254	0.273245	35.774	-1.584
11471	4.924	-0.438924	-0.161614	-0.125908	-0.394912	-0.123868	-1.308
		-105.194	0.209946	19.124	0.876454	51.527	-0.642492
11472	0	-13.555	0.144266	16.743	-0.207114	-77.919	0.606189
		-92.078	-0.191628	2.254	-0.272044	35.774	1.585
11472	4.924	-0.438954	0.161735	-0.125918	0.395212	-0.123881	1.309
		-105.194	-0.209097	19.123	-0.874369	51.527	0.649378
11473	0	0.579105	0.115191	0.113831	0.056221	-0.616820	-1.409
		-109.725	-0.325166	-55.530	0.302446	153.495	2.474
11473	6.021	-109.725	-0.325166	-55.530	0.302446	-180.825	0.516810
		0.579105	0.115191	0.113831	0.056221	0.068508	-0.715515
11474	0	0.579060	-0.115104	0.113823	-0.056179	-0.616775	1.408
		-109.726	0.325770	-55.530	-0.302153	153.495	-2.482
11474	6.021	-109.726	0.325770	-55.530	-0.302153	-180.825	-0.520574
		0.579060	-0.115104	0.113823	-0.056179	0.068501	0.714971
11481	0	0.158968	-0.000344	-0.002385	0.016820	-0.188969	-0.165353
		-8.052	-0.251693	-84.394	2.722	13.853	0.877136
11481	2.310	-8.560	-0.251193	-90.710	2.825	-198.775	0.117185
		0.667112	-0.000844	6.313	-0.085583	17.520	0.012503
11482	0	-17.677	-0.508485	-225.782	4.937	-201.880	0.228591
		-0.792890	-0.088314	-12.456	0.962639	24.004	0.251833
11482	0.301	-17.677	-0.508485	-225.782	4.937	-269.811	0.075604
		-0.792890	-0.088314	-12.456	0.962639	20.256	0.225262
11483	0	60.038	0.382054	-10.779	0.417239	-20.238	-0.384240
		14.833	-0.123410	-13.643	-0.055203	13.476	0.111998
11483	2.000	74.670	0.032074	-24.763	0.638387	-55.883	0.195460
		0.200921	0.226570	0.341288	-0.276351	0.279730	0.049564
11484	0	74.670	-0.030951	24.763	-0.639830	-55.883	0.195212
		0.200905	-0.226405	-0.341263	0.276141	0.279709	0.049533
11484	2.000	60.038	-0.381476	10.779	-0.418050	-20.238	-0.383263
		14.833	0.124120	13.643	0.054362	13.477	0.113316
11485	0	-17.679	0.521184	225.777	-4.937	-269.810	0.076656
		-0.792358	0.111412	12.458	-0.962386	20.256	0.225098
11485	0.301	-17.679	0.521184	225.777	-4.937	-201.881	0.233463
		-0.792358	0.111412	12.458	-0.962386	24.004	0.258619

11486	0	-8.560	0.251223	90.710	-2.825	-198.775	0.116622
		0.666960	0.000829	-6.313	0.085661	17.520	0.013358
11486	2.310	0.158955	0.000340	0.002386	-0.016809	-0.188959	-0.165232
		-8.052	0.251711	84.394	-2.722	13.854	0.877340
11501	0	-38.188	-0.045186	0.425684	-0.581098	-0.363587	4.003
		0.347564	0.104498	-0.107368	0.472374	0.088815	1.956
11501	0.825	-40.881	0.097376	0.335271	-0.170558	-0.013567	5.154
		3.041	-0.038064	-0.016955	0.061833	0.001395	0.853825
11502	0	0.344670	0.007197	0.109793	-0.602450	-0.090871	2.165
		-33.302	0.053976	-0.311440	0.493345	0.267933	3.614
11502	0.825	2.964	-0.042386	0.057560	-0.566781	-0.000600	2.216
		-35.921	0.103558	-0.259207	0.457676	0.011311	3.613
11503	0	-0.380433	-0.014515	-41.242	3.507	-0.000247	0.498070
		0.052980	0.076964	3.405	2.504	2.04E-05	-0.389345
11503	0.300	-0.380433	-0.014515	-41.242	3.507	-12.372	0.493716
		0.052980	0.076964	3.405	2.504	1.022	-0.366257
11504	0	-0.271989	-0.024895	-35.900	-3.537	-0.000215	-0.552885
		0.057467	-0.037555	2.947	-2.294	1.77E-05	0.662000
11504	0.300	-0.271989	-0.024895	-35.900	-3.537	-10.770	-0.560353
		0.057467	-0.037555	2.947	-2.294	0.884061	0.650734
11505	0	0.467739	-0.305444	-6.06E-13	-1.748	-7.28E-18	0.020880
		-0.240680	0.365029	6.63E-13	1.933	7.95E-18	-0.030865
11505	0.600	0.467739	-0.305444	-6.06E-13	-1.748	-3.64E-13	-0.162381
		-0.240680	0.365029	6.63E-13	1.933	3.98E-13	0.188146
11508	0	-98.771	33.709	3.185	0.030691	-31.199	-109.356
		-87.529	29.911	-2.751	-0.112112	27.965	-96.013
11508	4.500	-97.967	33.947	2.404	-1.962	-19.525	43.547
		-88.333	29.672	-1.970	1.880	18.243	37.361
11509	0	-98.771	-33.709	3.183	-0.023556	-31.196	109.356
		-87.529	-29.911	-2.751	0.112693	27.965	96.013
11509	4.500	-97.967	-33.947	2.402	1.969	-19.533	-43.547
		-88.333	-29.672	-1.970	-1.880	18.242	-37.361
11510	0	-93.809	11.277	2.191	1.017	-26.599	-12.558
		-81.315	10.299	-1.898	-0.988206	24.623	-10.975
11510	4.500	-90.905	11.488	0.839260	-0.239026	-20.345	39.399
		-84.219	10.088	-0.546046	0.267881	19.688	34.158
11511	0	-93.809	-11.277	2.187	-1.013	-26.589	12.558
		-81.315	-10.299	-1.898	0.988626	24.624	10.975
11511	4.500	-90.905	-11.488	0.834778	0.243535	-20.355	-39.399
		-84.219	-10.088	-0.546468	-0.267455	19.687	-34.158
11559	0	3.485	-0.202089	15.175	-1.179	-25.555	0.154305
		3.485	0.201580	-15.175	1.176	35.141	-0.653002
11559	4.000	3.485	0.201580	-15.175	1.176	-25.555	0.153285
		3.485	-0.202089	15.175	-1.179	35.141	-0.654017
11560	0	0.443092	-0.793976	-2.094	0.548088	-0.548268	-1.847
		4.961	0.412585	-276.283	0.546344	232.223	1.874
11560	2.000	2.543	-0.501029	-289.136	0.307345	-480.667	-1.541
		2.860	0.119638	10.759	0.787086	155.609	0.805663
11561	0	2.543	0.497899	289.136	-0.309797	-480.667	-1.530
		2.861	-0.122768	-10.759	-0.789527	155.609	0.817435
11561	2.000	0.443150	0.792276	2.094	-0.549417	-0.548337	-1.844
		4.961	-0.417146	276.283	-0.549906	232.223	1.882
11570	0	-293.423	0.000286	3.116	0.017626	-59.763	-0.000305
		-263.332	0.000321	-2.359	0.005919	57.569	0.000671
11570	0.200	-293.423	0.000286	3.116	0.017626	-59.140	-0.000244
		-263.332	0.000321	-2.359	0.005919	57.098	0.000732
11571	0	-12.635	-0.024746	14.504	0.278545	-67.340	-0.259803
		-80.455	0.080089	2.759	0.045421	29.329	-1.250
11571	4.924	-0.459195	-0.224735	-0.140295	-0.653176	-0.156527	-2.272
		-92.631	0.280078	17.403	0.977141	46.553	1.035
11572	0	-12.635	0.025676	14.504	-0.276229	-67.340	0.262854
		-80.455	-0.079138	2.759	-0.043105	29.329	1.253
11572	4.924	-0.459141	0.225246	-0.140277	0.654434	-0.156501	2.276
		-92.631	-0.278708	17.403	-0.973768	46.553	-1.023
11573	0	0.639846	0.244676	0.124710	0.231835	-0.666716	-2.277
		-95.737	-0.331509	-48.557	0.101250	134.136	3.081
11573	6.021	-95.737	-0.331509	-48.557	0.101250	-158.206	1.085
		0.639846	0.244676	0.124710	0.231835	0.084109	-0.804063

```
.
.
11574       0  0.639927 -0.244309  0.124726 -0.231656 -0.666797     2.273
              -95.737  0.332493  -48.557 -0.100772  134.136    -3.093
.
11574   6.021   -95.737  0.332493  -48.557 -0.100772 -158.206    -1.091
              0.639927 -0.244309  0.124726 -0.231656  0.084120  0.801775
.
.
11581       0  0.177954  0.047677  0.001023  0.025123 -0.186949 -0.345617
              -6.770 -0.160622  -70.492     1.414    12.025  0.696374
.
11581   2.310    -7.140 -0.119491  -76.075     1.586 -165.443  0.021919
              0.547727  0.006546     5.584 -0.146845    14.477  0.067983
.
.
11582       0   -15.482 -0.253301 -198.895     3.041 -167.294 -0.276216
             -0.539037 -0.029058   -7.820  0.390478    18.882  0.554027
.
11582   0.301   -15.482 -0.253301 -198.895     3.041 -227.135 -0.352426
             -0.539037 -0.029058   -7.820  0.390478    16.529  0.545284
.
.
11583       0    50.875  0.345948  -11.166  0.159671  -14.962 -0.408380
              12.574 -0.195789   -9.871  0.042085     9.728  0.256665
.
11583   2.000    63.231 -0.266149  -21.396  0.673430  -47.603  0.025224
              0.217170  0.416308  0.358640 -0.471673  0.295691  0.123367
.
.
11584       0    63.232  0.268161   21.396 -0.675789  -47.603  0.024767
              0.217200 -0.415587 -0.358684  0.470793  0.295728  0.123223
.
11584   2.000    50.875 -0.344527   11.166 -0.161290  -14.962 -0.405888
              12.574  0.197100     9.871 -0.043707     9.728  0.259036
.
.
11585       0   -15.482  0.246379  198.901    -3.041 -227.136 -0.345137
             -0.537776  0.030031    7.821 -0.389996    16.529  0.551372
.
11585   0.301   -15.482  0.246379  198.901    -3.041 -167.293 -0.271009
             -0.537776  0.030031    7.821 -0.389996    18.882  0.560407
.
.
11586       0    -7.140  0.119490   76.075    -1.586 -165.443  0.022555
              0.547638 -0.006592   -5.584  0.146948    14.477  0.069175
.
11586   2.310  0.177979 -0.047681 -0.001018 -0.025073 -0.186965 -0.345074
              -6.770  0.160578   70.492    -1.414    12.025  0.697549
.
.
12201       0   -64.416  0.036847  0.577341  0.427181 -0.603935  0.759751
             -0.516858 -0.016341 -0.100454 -0.399182  0.104091  0.451750
.
12201   1.036   -64.287 -0.029868  0.528579  0.109460 -0.005846     1.599
             -0.645724  0.050373 -0.051693 -0.081461  3.76E-05 -0.366158
.
.
12202       0 -0.430062  0.088978  0.097874  0.554672 -0.101025  0.368152
              -71.176 -0.067555 -0.745164 -0.525868  0.778595  0.932676
.
12202   1.036 -0.547500  0.098838  0.021534  0.379261 -0.000328 -0.166809
              -71.058 -0.077414 -0.668824 -0.350458  0.007333     1.490
.
.
12203       0 -0.531807  0.035430   -65.058  0.365452 -0.000390 -0.233763
              0.048306 -0.012369  0.127686  0.868641  7.66E-07  0.205757
.
12203   0.300 -0.531807  0.035430   -65.058  0.365452   -19.517 -0.223134
              0.048306 -0.012369  0.127686  0.868641  0.038305  0.202046
.
.
12204       0 -0.731553 -0.005859   -71.768 -0.643905 -0.000431 -0.176998
              0.077109 -0.017199  0.154783 -0.680090  9.29E-07  0.148196
.
12204   0.300 -0.731553 -0.005859   -71.768 -0.643905   -21.530 -0.178756
              0.077109 -0.017199  0.154783 -0.680090  0.046434  0.143036
.
.
12205       0 -0.434667 -0.190996 -1.37E-12 -0.256366 -1.65E-17 -0.069607
              0.919715  0.196088  5.31E-12  0.151672  6.37E-17  0.075538
.
12205   0.600 -0.434667 -0.190996 -1.37E-12 -0.256366 -8.23E-13 -0.184200
              0.919715  0.196088  5.31E-12  0.151672  3.18E-12  0.193186
.
.
12301       0   -71.110  0.049752  0.806583  0.332666 -0.837202  0.973937
             -0.686386 -0.023571 -0.156862 -0.256218  0.162442  0.594252
.
12301   1.036   -70.999 -0.117881  0.732134  0.260516 -0.001743     2.159
             -0.796535  0.144062 -0.082473 -0.184069  6.59E-05 -0.563771
.
.
12302       0 -0.542856  0.051069  0.158454  0.342513 -0.164287  0.445949
              -81.853 -0.024375    -1.166 -0.264318     1.222     1.315
.
12302   1.036 -0.671132  0.101378  0.110221     1.234 -0.000137 -0.322891
              -81.725 -0.074684    -1.117    -1.156  0.014997     2.111
.
.
12303       0 -0.726170  0.030286   -71.987  0.205083 -0.000432  0.682661
              0.079318 -0.002954  0.186903     1.391  1.12E-06 -0.759101
.
12303   0.300 -0.726170  0.030286   -71.987  0.205083   -21.596  0.691746
              0.079318 -0.002954  0.186903     1.391  0.056070 -0.759987
.
.
12304       0    -1.136 -0.039125   -82.559 -0.907913 -0.000495 -0.596719
              0.107784  0.011798  0.146680 -0.880889  8.80E-07  0.518533
.
12304   0.300    -1.136 -0.039125   -82.559 -0.907913   -24.767 -0.608456
              0.107784  0.011798  0.146680 -0.880889  0.044003  0.522073
.
.
12305       0     1.307  0.124602 -6.07E-12  0.291088 -7.29E-17  0.189174
             -0.814441 -0.110386  1.55E-12 -0.515765  1.87E-17 -0.180620
.
12305   0.600     1.307  0.124602 -6.07E-12  0.291088 -3.64E-12  0.263932
```

```
                -0.814441 -0.110386  1.55E-12 -0.515765  9.33E-13 -0.246850
.
.
12401       0   -81.853 -0.024528     1.181  0.264321    -1.232     1.315
                -0.542938  0.050095 -0.159525 -0.342512  0.164838  0.446409
.
12401   1.036   -81.847 -0.016669     1.122  0.824295 -0.009245     1.316
                -0.549246  0.042236 -0.101041 -0.902487  7.28E-05  0.472192
.
.
12402       0 -0.686388 -0.023180  0.156366  0.256219 -0.162185  0.594047
                -71.110  0.052263 -0.785688 -0.332666  0.826188  0.972591
.
12402   1.036 -0.796580  0.144152  0.081938  0.184068 -0.000343 -0.563771
                -70.999 -0.115068 -0.711259 -0.260515  0.012396     2.161
.
.
12403       0   -1.136  0.039125   -82.539  0.907976 -0.000495  0.596725
                0.107784 -0.011798  0.148683  0.880858  8.92E-07 -0.518531
.
12403   0.300   -1.136  0.039125   -82.539  0.907976   -24.761  0.608462
                0.107784 -0.011798  0.148683  0.880858  0.044604 -0.522070
.
.
12404       0 -0.726170 -0.030286   -71.983 -0.205020 -0.000432 -0.682650
                0.079318  0.002954  0.187520    -1.391  1.13E-06  0.759101
.
12404   0.300 -0.726170 -0.030286   -71.983 -0.205020   -21.594 -0.691735
                0.079318  0.002954  0.187520    -1.391  0.056255  0.759987
.
.
12405       0  0.318198  0.074845 -5.23E-13 -0.632621 -6.28E-18 -0.122756
                0.174263 -0.094624  5.65E-13  0.857376  6.78E-18  0.141504
.
12405   0.600  0.318198  0.074845 -5.23E-13 -0.632621 -3.14E-13 -0.077850
                0.174263 -0.094624  5.65E-13  0.857376  3.39E-13  0.084731
.
.
12501       0   -71.176 -0.069019  0.751337  0.525871 -0.781793  0.933477
                -0.430072  0.089588 -0.097208 -0.554672  0.100686  0.367863
.
12501   1.036   -71.649 -0.041748  0.684811  0.280400 -0.003767     1.234
                0.043412  0.062317 -0.030682 -0.309202  0.000311  0.088318
.
.
12502       0 -0.516840 -0.013666  0.100461  0.399180 -0.104093  0.450388
                -64.416  0.036930 -0.583533 -0.427182  0.607143  0.759685
.
12502   1.036 -0.646272  0.076805  0.051127 -0.344757 -4.66E-05 -0.339473
                -64.286 -0.053540 -0.534199  0.316756  0.002653     1.574
.
.
12503       0 -0.731553  0.005859   -71.760  0.643938 -0.000431  0.177000
                0.077109  0.017199  0.154493  0.680123  9.27E-07 -0.148199
.
12503   0.300 -0.731553  0.005859   -71.760  0.643938   -21.528  0.178758
                0.077109  0.017199  0.154493  0.680123  0.046347 -0.143039
.
.
```



```
12504       0 -0.531805 -0.035430   -65.054 -0.365452 -0.000390  0.233766
                0.048306  0.012369  0.129027 -0.868707  7.74E-07 -0.205757
.
12504   0.300 -0.531805 -0.035430   -65.054 -0.365452   -19.516  0.223138
                0.048306  0.012369  0.129027 -0.868707  0.038707 -0.202047
.
.
12505       0  0.577457  0.033002 -4.88E-13 -0.520817 -5.86E-18 -0.128291
               -0.092420 -0.059992  5.24E-13  0.625556  6.29E-18  0.143844
.
12505   0.600  0.577457  0.033002 -4.88E-13 -0.520817 -2.93E-13 -0.108491
               -0.092420 -0.059992  5.24E-13  0.625556  3.14E-13  0.107850
.
.
13201       0   -67.977  0.000474  0.657303 -0.001620 -0.689257 -0.000271
                0.384606  0.001957 -0.100853 -0.003085  0.106788 -0.001059
.
13201   1.059  0.187599  0.013194  0.007049     1.171 -0.000293    -2.238
               -67.680 -0.010764  0.549402    -1.175  0.007082     2.239
.
.
13202       0  0.341717 -0.000825  0.093657 -0.000157 -0.099919  0.000463
               -74.931 -0.000932 -0.846903 -0.006130  0.886240  0.000499
.
13202   1.059   -74.594 -0.037290 -0.782587    -1.403 -0.011533 -0.036238
                0.004244  0.035533  0.029341     1.397  0.000199  0.035339
.
.
13203       0 -0.649096  8.71E-06   -67.881  1.03E-05 -0.000407  0.001616
                0.100842 -7.33E-06  0.383537         0  2.30E-06  0.003083
.
13203   0.300 -0.649096  8.71E-06   -67.881  1.03E-05   -20.364  0.001618
                0.100842 -7.33E-06  0.383537         0  0.115059  0.003081
.
.
13204       0 -0.832105 -5.22E-07   -74.934 -9.93E-06 -0.000459  0.006129
                0.095066 -5.18E-07  0.338751  2.77E-05  2.03E-06  0.000147
.
13204   0.300 -0.832105 -5.22E-07   -74.934 -9.93E-06   -22.480  0.006129
                0.095066 -5.18E-07  0.338751  2.77E-05  0.101623  0.000147
.
.
13205       0  0.131772  0.002904 -6.43E-15 -9.93E-07 -7.72E-20 -0.000920
                0.411989  0.011920  3.12E-12 -3.57E-05  3.74E-17 -0.011564
.
13205   0.600  0.131772  0.002904 -6.43E-15 -9.93E-07 -3.86E-15  0.000822
                0.411989  0.011920  3.12E-12 -3.57E-05  1.87E-12 -0.004412
.
.
13301       0   -74.877  3.52E-05  0.883107  0.001599 -0.939563 -2.11E-05
                0.448287 -3.62E-05 -0.158361 -0.003512  0.167723  1.84E-05
.
13301   1.059  0.462974  0.002645 -0.101577 -0.937414 -0.000114  0.014561
               -74.892 -0.002646  0.836323  0.935500  0.006338 -0.014564
.
.
13302       0  0.407360 -0.000532  0.156126  0.001095 -0.165945  0.000257
               -85.622 -0.000878    -1.307 -0.004925     1.379  0.000463
.
```

13302	1.059	-42.830	0.065642	-0.574546	-0.237354	-0.007011	-5.106
		-42.385	-0.067051	-0.576423	0.233523	0.000920	5.106
13303	0	-0.832054	-2.39E-05	-74.908	-7.12E-06	-0.000449	-0.001548
		0.102588	-2.95E-05	0.494974	-0.000127	2.97E-06	0.003455
13303	0.300	-0.832054	-2.39E-05	-74.908	-7.12E-06	-22.472	-0.001555
		0.102588	-2.95E-05	0.494974	-0.000127	0.148489	0.003446
13304	0	-1.307	3.41E-05	-85.617	6.73E-05	-0.000514	0.004918
		0.157288	1.94E-05	0.411358	2.11E-06	2.47E-06	-0.001098
13304	0.300	-1.307	3.41E-05	-85.617	6.73E-05	-25.685	0.004929
		0.157288	1.94E-05	0.411358	2.11E-06	0.123405	-0.001092
13305	0	0.317331	0.006304	-3.55E-12	-1.67E-05	-4.26E-17	-0.011648
		0.253978	0.000756	7.84E-15	6.21E-08	9.41E-20	-0.000216
13305	0.600	0.317331	0.006304	-3.55E-12	-1.67E-05	-2.13E-12	-0.007866
		0.253978	0.000756	7.84E-15	6.21E-08	4.70E-15	0.000237
13401	0	-85.622	-0.000613	1.308	0.004924	-1.379	0.000277
		0.407372	-0.000532	-0.158155	-0.001094	0.167019	0.000257
13401	1.059	0.403781	-0.024997	-0.129205	-0.506923	-0.000520	-0.040111
		-85.619	0.023853	1.279	0.510752	0.005803	0.039432
13402	0	0.448332	0.000198	0.158154	0.003512	-0.167613	-0.000152
		-74.877	3.88E-05	-0.893245	-0.001600	0.940384	-2.29E-05
13402	1.059	-74.892	-0.040341	-0.836906	-0.005099	-0.005752	-0.068426
		0.463137	0.040578	0.101815	0.007012	9.25E-05	0.068501
13403	0	-1.307	-3.41E-05	-85.625	-3.87E-06	-0.000514	-0.004929
		0.157288	-1.94E-05	0.411371	-3.39E-05	2.47E-06	0.001098
13403	0.300	-1.307	-3.41E-05	-85.625	-3.87E-06	-25.687	-0.004939
		0.157288	-1.94E-05	0.411371	-3.39E-05	0.123409	0.001092
13404	0	-0.832054	2.39E-05	-74.914	3.84E-05	-0.000449	0.001535
		0.102588	2.95E-05	0.481368	0	2.89E-06	-0.003455
13404	0.300	-0.832054	2.39E-05	-74.914	3.84E-05	-22.474	0.001542
		0.102588	2.95E-05	0.481368	0	0.144407	-0.003446
13405	0	0.338342	0.002667	-4.65E-13	-1.47E-05	-5.58E-18	-0.006924
		0.233296	-0.015214	4.96E-13	0	5.95E-18	0.000941
13405	0.600	0.338342	0.002667	-4.65E-13	-1.47E-05	-2.79E-13	-0.005324
		0.233296	-0.015214	4.96E-13	0	2.98E-13	-0.008187

13501	0	-74.931	0.001068	0.840177	0.006130	-0.881178	-0.000559
		0.341701	0.000307	-0.094204	0.000155	0.100208	-0.000160
13501	1.059	0.166706	0.062433	-0.019330	-0.704906	-0.000214	-1.902
		-74.756	-0.061058	0.765303	0.711191	0.000198	1.903
13502	0	0.384646	-0.000175	0.100836	0.003085	-0.106776	9.30E-05
		-67.877	0.000976	-0.645807	0.001620	0.083170	-0.000490
13502	1.059	-33.936	-0.035762	-0.296603	-0.226783	-0.001839	3.674
		-33.556	0.036563	-0.248368	0.231487	0.001131	-3.673
13503	0	-0.832105	5.18E-07	-74.937	-2.19E-05	-0.000450	-0.006131
		0.095066	5.22E-07	0.343472	4.05E-06	2.06E-06	-0.000155
13503	0.300	-0.832105	5.18E-07	-74.937	-2.19E-05	-22.481	-0.006130
		0.095066	5.22E-07	0.343472	4.05E-06	0.103039	-0.000155
13504	0	-0.649094	-8.71E-06	-67.876	-9.78E-06	-0.000407	-0.001616
		0.100841	7.33E-06	0.380967	3.17E-05	2.29E-06	-0.003083
13504	0.300	-0.649094	-8.71E-06	-67.876	-9.78E-06	-20.362	-0.001618
		0.100841	7.33E-06	0.380967	3.17E-05	0.114288	-0.003081
13505	0	0.457569	0.006623	-4.36E-13	-1.19E-05	-5.23E-18	-0.006846
		0.086351	-0.002208	4.65E-13	9.54E-07	5.58E-18	-0.002512
13505	0.600	0.457569	0.006623	-4.36E-13	-1.19E-05	-2.61E-13	-0.002872
		0.086351	-0.002208	4.65E-13	9.54E-07	2.79E-13	-0.003837
14201	0	-64.416	-0.036337	0.581398	-0.426546	-0.606038	-0.759961
		-0.517001	0.013739	-0.100452	0.395681	0.104096	-0.450400
14201	1.036	-64.287	0.028253	0.531540	-0.105847	-0.003744	-1.610
		-0.645379	-0.050850	-0.050594	0.074982	4.16E-05	0.376462
14202	0	-0.430153	-0.089618	0.097910	-0.555581	-0.101052	-0.367862
		-71.176	0.067917	-0.736902	0.518920	0.072776	-0.932856
14202	1.036	-0.545286	-0.124939	0.022545	-0.821049	-9.85E-05	0.140750
		-71.061	0.103238	-0.661537	0.784388	0.009853	-1.464
14203	0	-0.531811	-0.035431	-65.067	-0.365475	-0.000390	0.234020
		0.048307	0.012374	0.133616	-0.868660	8.02E-07	-0.203152
14203	0.300	-0.531811	-0.035431	-65.067	-0.365475	-19.520	0.223391
		0.048307	0.012374	0.133616	-0.868660	0.040084	-0.199440
14204	0	-0.731553	0.005860	-71.767	0.643858	-0.000431	0.183361
		0.077113	0.017194	0.153665	0.680111	9.22E-07	-0.146699

```
.
14204   0.300 -0.731553  0.005860   -71.767  0.643858   -21.530  0.185119
               0.077113  0.017194  0.153665  0.680111  0.046099 -0.141541
.
.
14205         0 -0.438973  0.190577 -1.37E-12  0.256364 -1.65E-17  0.066963
               0.905474 -0.203385  5.31E-12 -0.151643  6.37E-17 -0.095451
.
14205   0.600 -0.438973  0.190577 -1.37E-12  0.256364 -8.23E-13  0.181305
               0.905474 -0.203385  5.31E-12 -0.151643  3.18E-12 -0.217477
.
.
14301         0   -71.110 -0.050955  0.795359 -0.328572 -0.829669 -0.973269
              -0.686339  0.023238 -0.156644  0.252163  0.162328 -0.594033
.
14301   1.036   -70.990  0.038874  0.663480    -1.206 -0.006068    -2.265
              -0.805941 -0.066591 -0.024765     1.129  0.000409  0.669175
.
.
14302         0 -0.542997 -0.051488  0.158265 -0.341676 -0.164189 -0.445735
               -81.853  0.024826    -1.182  0.257464     1.232    -1.315
.
14302   1.036 -0.546384 -0.075561  0.128624 -0.142563 -0.000462 -0.534050
               -81.850  0.048899    -1.152  0.058351  0.008359    -1.254
.
.
14303         0 -0.726172 -0.030354   -71.973 -0.205155 -0.000432 -0.684371
               0.079319  0.002919  0.186656    -1.391  1.12E-06  0.760780
.
14303   0.300 -0.726172 -0.030354   -71.973 -0.205155   -21.592 -0.693477
               0.079319  0.002919  0.186656    -1.391  0.055995  0.761655
.
.
14304         0   -1.136  0.039203   -82.522  0.907918 -0.000495  0.602648
               0.107786 -0.011772  0.151331  0.880895  9.08E-07 -0.518432
.
14304   0.300   -1.136  0.039203   -82.522  0.907918   -24.756  0.614409
               0.107786 -0.011772  0.151331  0.880895  0.045398 -0.521963
.
.
14305         0   1.290 -0.114847 -6.07E-12 -0.291089 -7.29E-17 -0.218560
              -0.819013  0.105090  1.55E-12  0.515764  1.87E-17  0.178484
.
14305   0.600   1.290 -0.114847 -6.07E-12 -0.291089 -3.64E-12 -0.287466
              -0.819013  0.105090  1.55E-12  0.515764  9.33E-13  0.241536
.
.
14401         0   -81.853  0.023122     1.174 -0.257466    -1.228    -1.314
              -0.542890 -0.050910 -0.159376  0.341675  0.164769 -0.446014
.
14401   1.036   -81.722  0.090857     1.096    -1.434 -0.012616    -2.095
              -0.673641 -0.118646 -0.081615     1.518  0.000125  0.306150
.
.
14402         0 -0.686436  0.024452  0.156118 -0.252163 -0.162056 -0.594805
               -71.110 -0.051057 -0.801440  0.328571  0.834348 -0.973219
.
14402   1.036 -0.801705 -0.121198  0.052985 -0.422168 -0.000620  0.597765
               -70.994  0.094592 -0.698307  0.498576  0.004385    -2.193
.
.
14403         0   -1.136 -0.039203   -82.543 -0.908045 -0.000495 -0.602651
               0.107786  0.011772  0.148009 -0.880896  8.88E-07  0.518437
.
14403   0.300   -1.136 -0.039203   -82.543 -0.908045   -24.762 -0.614412
               0.107786  0.011772  0.148009 -0.880896  0.044402  0.521968
.
.
14404         0 -0.726172  0.030354   -71.989  0.205124 -0.000432  0.684371
               0.079319 -0.002919  0.187401     1.391  1.12E-06 -0.760780
.
14404   0.300 -0.726172  0.030354   -71.989  0.205124   -21.596  0.693477
               0.079319 -0.002919  0.187401     1.391  0.056219 -0.761655
.
.
14405         0  0.307596 -0.063340 -5.23E-13  0.632638 -6.28E-18  0.103069
               0.163828  0.070407  5.65E-13 -0.857344  6.79E-18 -0.148190
.
14405   0.600  0.307596 -0.063340 -5.23E-13  0.632638 -3.14E-13  0.065066
               0.163828  0.070407  5.65E-13 -0.857344  3.39E-13 -0.105947
.
.
14501         0   -71.176  0.066039  0.736301 -0.518922 -0.774004 -0.931950
              -0.430044 -0.090237 -0.097345  0.555581  0.100762 -0.367521
.
14501   1.036   -71.167  0.066051  0.677958 -0.596700 -0.011650 -0.863495
              -0.438962 -0.090249 -0.039002  0.633359  0.000339 -0.461045
.
.
14502         0 -0.516935  0.013595  0.100484 -0.395680 -0.104112 -0.450373
               -64.415 -0.037091 -0.535360  0.426546  0.607899 -0.759618
.
14502   1.036 -0.647038  0.000952  0.051423 -0.187861 -2.68E-05  0.442886
               -64.285 -0.024448 -0.536299  0.218727  0.001502    -1.677
.
.
14503         0 -0.731553 -0.005860   -71.763 -0.643891 -0.000431 -0.183365
               0.077113 -0.017194  0.153391 -0.680113  9.20E-07  0.146702
.
14503   0.300 -0.731553 -0.005860   -71.763 -0.643891   -21.528 -0.185123
               0.077113 -0.017194  0.153391 -0.680113  0.046016  0.141544
.
.
14504         0 -0.531810  0.035430   -65.065  0.365444 -0.000390 -0.234025
               0.048307 -0.012374  0.132211  0.868662  7.93E-07  0.203153
.
14504   0.300 -0.531810  0.035430   -65.065  0.365444   -19.519 -0.223397
               0.048307 -0.012374  0.132211  0.868662  0.039662  0.199441
.
.
14505         0  0.568244 -0.020813 -4.88E-13  0.520835 -5.86E-18  0.111278
              -0.101748  0.026755  5.24E-13 -0.625554  6.29E-18 -0.145394
.
14505   0.600  0.568244 -0.020813 -4.88E-13  0.520835 -2.93E-13  0.098791
              -0.101748  0.026755  5.24E-13 -0.625554  3.14E-13 -0.129341
.
.
15201         0   -33.302 -0.053576  0.312347  0.494405 -0.269208    -3.614
```

		0.344557	-0.004456	-0.110076	-0.600203	0.090987	-2.166
.							
15201	0.825	-35.918	-0.076387	0.200458	0.338570	-0.012984	-3.585
		2.960	0.018355	0.001813	-0.444367	0.001631	-2.243
.							
.							
15202	0	0.347296	-0.109975	0.105636	0.469589	-0.088131	-1.954
		-38.188	0.048126	-0.422986	-0.583387	0.362414	-4.004
.							
15202	0.825	3.372	-0.057863	0.045147	0.479312	-0.002274	-2.696
		-41.213	-0.003986	-0.362497	-0.593110	0.014754	-3.313
.							
.							
15203	0	-0.271994	-0.024883	-35.923	-3.536	-0.000216	-0.553354
		0.057465	-0.037552	2.966	-2.294	1.78E-05	0.659145
.							
15203	0.300	-0.271994	-0.024883	-35.923	-3.536	-10.777	-0.560819
		0.057465	-0.037552	2.966	-2.294	0.889778	0.647880
.							
.							
15204	0	-0.380123	0.011515	-41.250	3.527	-0.000247	0.585407
		0.052675	0.050920	3.439	2.483	2.06E-05	-0.471608
.							
15204	0.300	-0.380123	0.011515	-41.250	3.527	-12.375	0.588861
		0.052675	0.050920	3.439	2.483	1.032	-0.456333
.							
.							
15205	0	-0.901210	0.045848	-4.76E-12	0.160819	-5.71E-17	0.033605
		1.125	0.026804	1.39E-11	0.023995	1.67E-16	-0.097309
.							
15205	0.600	-0.901210	0.045848	-4.76E-12	0.160819	-2.85E-12	0.061112
		1.125	0.026804	1.39E-11	0.023995	8.36E-12	-0.081227
.							
.							
15301	0	-38.212	-0.071058	0.463044	0.672286	-0.398613	-4.044
		0.483163	-0.002551	-0.167696	-0.896279	0.138166	-2.559
.							
15301	0.825	-41.239	-0.016466	0.331964	0.374844	-0.018809	-3.969
		3.511	-0.057144	-0.036617	-0.598836	0.002014	-2.694
.							
.							
15302	0	0.415162	-0.073383	0.171390	0.673387	-0.140842	-2.188
		-47.451	-0.002488	-0.721999	-0.908302	0.618960	-4.751
.							
15302	0.825	3.710	-0.081031	0.003464	0.382898	-0.001484	-3.297
		-50.746	0.005160	-0.554073	-0.617813	0.025368	-3.704
.							
.							
15303	0	-0.407033	-0.016922	-41.239	-3.985	-0.000247	-0.510904
		0.090163	-0.058079	3.539	-2.681	2.12E-05	0.734902
.							
15303	0.300	-0.407033	-0.016922	-41.239	-3.985	-12.372	-0.515981
		0.090163	-0.058079	3.539	-2.681	1.062	0.717479
.							
.							
15304	0	-0.654258	0.058078	-50.763	3.780	-0.000305	0.751066
		0.085353	0.016923	3.692	3.223	2.22E-05	-0.516152
.							
15304	0.300	-0.654258	0.058078	-50.763	3.780	-15.228	0.768489
		0.085353	0.016923	3.692	3.223	1.108	-0.511075
.							
.							
15305	0	1.730	0.089265	-1.63E-11	-0.001495	-1.95E-16	-0.164129
		-1.546	0.027850	5.48E-12	0.349179	6.57E-17	0.073247
.							
15305	0.600	1.730	0.089265	-1.63E-11	-0.001495	-9.76E-12	-0.110572
		-1.546	0.027850	5.48E-12	0.349179	3.29E-12	0.089956
.							
.							
15401	0	-47.452	0.000709	0.712506	0.908298	-0.613111	-4.752
		0.415498	-0.069967	-0.166949	-0.673386	0.139011	-2.190
.							
15401	0.825	-50.752	0.007737	0.604734	0.679288	-0.026219	-3.703
		3.716	-0.076995	-0.059178	-0.444376	0.002185	-3.296
.							
.							
15402	0	0.482851	-0.000566	0.165962	0.896283	-0.137466	-2.560
		-38.212	-0.071160	-0.466270	-0.672288	0.399944	-4.044
.							
15402	0.825	3.511	-0.135294	0.035197	0.752445	-0.002292	-2.770
		-41.240	0.063568	-0.335505	-0.528450	0.017026	-3.892
.							
.							
15403	0	-0.654258	-0.058077	-50.773	-3.780	-0.000305	-0.751056
		0.085353	-0.016923	3.684	-3.223	2.21E-05	0.516152
.							
15403	0.300	-0.654258	-0.058077	-50.773	-3.780	-15.232	-0.768478
		0.085353	-0.016923	3.684	-3.223	1.105	0.511076
.							
.							
15404	0	-0.406342	-0.021697	-41.275	3.949	-0.000248	0.588228
		0.089471	0.096699	3.517	2.716	2.11E-05	-0.812216
.							
15404	0.300	-0.406342	-0.021697	-41.275	3.949	-12.382	0.581719
		0.089471	0.096699	3.517	2.716	1.055	-0.783208
.							
.							
15405	0	0.201914	0.327901	-6.63E-13	1.921	-7.95E-18	-0.044065
		-0.018176	-0.436552	7.48E-13	-2.268	8.97E-18	0.020906
.							
15405	0.600	0.201914	0.327901	-6.63E-13	1.921	-3.98E-13	0.152670
		-0.018176	-0.436552	7.48E-13	-2.268	4.49E-13	-0.241018
.							
.							
15501	0	-38.188	0.044744	0.411987	0.583380	-0.357967	-4.003
		0.347208	-0.108435	-0.108015	-0.469591	0.089112	-1.954
.							
15501	0.825	-41.210	0.003903	0.322783	0.518438	-0.019459	-3.306
		3.368	-0.067594	-0.018812	-0.404650	0.001370	-2.704
.							
.							
15502	0	0.344191	-0.002683	0.109584	0.600207	-0.090799	-2.167
		-33.302	-0.054128	-0.315894	-0.494402	0.269771	-3.614
.							
15502	0.825	2.960	-0.007730	-0.001742	0.521097	-0.001570	-2.272
		-35.918	-0.049081	-0.204569	-0.415291	0.010343	-3.556
.							
.							

```
15503       0 -0.380432  0.014518   -41.247    -3.507 -0.000247 -0.499617
                0.052984 -0.076952     3.429    -2.504  2.06E-05  0.385830
.
15503   0.300 -0.380432  0.014518   -41.247    -3.507   -12.374 -0.495262
                0.052984 -0.076952     3.429    -2.504     1.029  0.362745
.
.
15504       0 -0.271993  0.024883   -35.913     3.537 -0.000215  0.553348
                0.057465  0.037552     2.974     2.294  1.78E-05 -0.659153
.
15504   0.300 -0.271993  0.024883   -35.913     3.537   -10.774  0.560813
                0.057465  0.037552     2.974     2.294  0.892197 -0.647887
.
.
15505       0  0.464595  0.282433 -6.06E-13     1.748 -7.28E-18 -0.030406
               -0.240824 -0.356580  6.63E-13    -1.933  7.95E-18  0.010730
.
15505   0.600  0.464595  0.282433 -6.06E-13     1.748 -3.64E-13  0.139048
               -0.240824 -0.356580  6.63E-13    -1.933  3.98E-13 -0.203211
.
.
21101       0 -0.061519 -0.049923  0.032383 -0.038854 -0.040807  0.061796
                0.041996  0.044512     3.480     1.534     1.661 -0.053701
.
21101   2.300  0.041996  0.044512    -8.479     1.534    -4.088  0.048672
               -0.061519 -0.049923  0.032383 -0.038854  0.033670 -0.053023
.
.
21111       0 -0.019482 -0.068189  0.005766 -0.039471 -0.010326  0.081533
                0.016683  0.062371     5.101     1.447  0.128322 -0.073476
.
21111   2.300  0.016150  0.061050    -6.858     1.447    -1.892  0.068569
               -0.018949 -0.066868  0.005760 -0.039380  0.002939 -0.073893
.
.
21121       0  0.004421 -0.078344     5.851     1.141 -0.350488  0.091053
                0.000383  0.074623 -0.002979  0.019252  0.001837 -0.086360
.
21121   2.300 -0.000688 -0.014373 -0.493736  0.593159    -1.242 -0.016491
                0.005492  0.010651    -5.618  0.566704  0.590006  0.012625
.
.
21131       0  0.008876 -0.076542     6.290  0.785539 -0.540737  0.087768
               -0.002527  0.074761 -0.003048  0.019790  0.001655 -0.085659
.
21131   2.300 -0.000949 -0.014042 -0.693309  0.429372    -1.764 -0.016253
                0.007299  0.012261    -4.980  0.375958     1.931  0.014265
.
.
21141       0  0.008641 -0.076399     6.530  0.364932 -0.628090  0.087488
               -0.002360  0.076485 -0.002598  0.020672  0.001870 -0.087580
.
21141   2.300 -0.001387 -0.012840 -0.823333  0.220757    -2.101 -0.014801
                0.007668  0.012926    -4.608  0.164848     2.735  0.014907
.
.
21151       0  0.008882 -0.076225     6.594 -0.087008 -0.658587  0.087361
               -0.002741  0.078299 -0.001287  0.021788  0.002095 -0.089719
.
```

```
21151   2.300 -0.000951 -0.010082 -0.872011 -0.012032    -2.228 -0.011540
                0.007092  0.012157    -4.495 -0.053188     2.981  0.013953
.
.
21161       0  0.009189 -0.075453     6.487 -0.539376 -0.648671  0.086279
               -0.003111  0.079630  0.000883  0.023075  0.002287 -0.091071
.
21161   2.300  0.002012 -0.049799 -0.839008 -0.268148    -2.146 -0.057769
                0.004066  0.053976    -4.633 -0.248153     2.668  0.062584
.
.
21171       0  0.003965 -0.071954     6.218 -0.960743 -0.615377  0.081086
                0.000920  0.078175  0.003678  0.024417  0.002676 -0.088500
.
21171   2.300 -0.014427 -0.038451 -0.728756 -0.480375    -1.865 -0.048396
                0.019313  0.044671    -5.009 -0.455952     1.808  0.055288
.
.
21181       0 -0.020224 -0.060934     5.822    -1.316 -0.617911  0.065625
                0.018935  0.068422  0.006530  0.025637  0.004176 -0.075286
.
21181   2.300 -0.004955 -0.009251 -0.548892 -0.648650    -1.414 -0.024563
                0.093666  0.016740    -5.582 -0.641262  0.453105  0.032125
.
.
21191       0 -0.081518 -0.019313     5.448    -1.561 -0.898341  0.017091
                0.067686  0.023444  0.007497  0.026501  0.010365 -0.022948
.
21191   2.300 -0.058659 -0.038992    -6.511    -1.561    -2.121 -0.049286
                0.044828  0.043123  0.007566  0.026379  0.027650  0.052930
.
.
21201       0 -0.048522 -0.105042     7.723    -1.165    -3.873  0.125295
                0.041864  0.100140    -1.575     1.551     1.322 -0.119135
.
21201   2.300  0.041864  0.100140    -1.575     1.551    -2.300  0.111179
               -0.048522 -0.105042    -4.236    -1.165  0.137011 -0.116292
.
.
21211       0 -0.006882 -0.054428     6.053  0.369940    -1.858  0.063832
                0.004625  0.048112 -4.28E-05  0.000474  5.26E-05 -0.056141
.
21211   2.300  0.002397  0.041746    -5.906  0.370882    -1.689  0.047617
               -0.004653 -0.048061  4.59E-05 -0.000468  5.68E-05 -0.054451
.
.
21221       0 -0.001099 -0.025039  0.492373     1.200    -1.593  0.028771
                0.001723  0.018892     5.312 -0.879876  0.617899 -0.021461
.
21221   2.300  0.000685  0.005433    -6.156  0.320071    -1.380  0.006389
               -6.15E-05 -0.011580  1.00E-05 -0.000141  2.43E-05 -0.013216
.
.
21231       0 -0.002799 -0.024771  0.894490  0.858499    -2.281  0.028414
                0.004480  0.020270     4.729 -0.625626     1.982 -0.023163
.
21231   2.300  0.002100 -0.016309    -6.336  0.232722    -1.117 -0.018603
               -0.000419  0.011808  6.35E-06  0.000152  3.67E-05  0.013503
.
```

```
.
21241       0 -0.004596 -0.023055     1.137  0.448941    -2.703  0.026427
               0.006191  0.020950     4.394 -0.331854     2.801 -0.024021
.
21241   2.300  0.002518 -0.013543    -6.428  0.116937 -0.934413 -0.015494
              -0.000923  0.011438  4.04E-06  0.000149  4.81E-05  0.013060
.
.
21251       0 -0.007434 -0.020432     1.221  0.006918    -2.856  0.023140
               0.008423  0.020970     4.294 -0.020513     3.054 -0.023812
.
21251   2.300  0.001313 -0.038047    -7.679 -0.029451 -0.906379 -0.043937
              -0.000324  0.038585     1.235  0.015856  0.034829  0.044503
.
.
21261       0 -0.006158 -0.087058     1.167 -0.450140    -2.743  0.099615
               0.006359  0.090059     4.403  0.307306     2.743 -0.103122
.
21261   2.300  0.001493 -0.006689    -6.390 -0.142976 -0.942936 -0.007962
              -0.001292  0.009690 -1.82E-05  0.000141  5.89E-05  0.011357
.
.
21271       0 -0.018580 -0.088608  0.946362 -0.854335    -2.369  0.100431
               0.018351  0.093242     4.751  0.599428     1.884 -0.105712
.
21271   2.300 -0.005000 -0.003246    -6.262 -0.255043    -1.133 -0.004950
               0.004771  0.007880 -4.06E-05  0.000135  5.47E-05  0.010326
.
.
21281       0 -0.036424 -0.087925  0.599378    -1.189    -1.755  0.100196
               0.037926  0.092212     5.291  0.851143  0.544830 -0.104666
.
21281   2.300 -0.023493  0.002687    -6.069 -0.337845    -1.415  0.000402
               0.024995  0.001600 -6.25E-05  0.000129  5.07E-05  0.004987
.
.
21291       0  0.011208 -0.086818     6.110 -0.400982    -2.066  0.100503
              -0.002159  0.087966 -0.019812  0.015325  0.027054 -0.100535
.
21291   2.300 -0.065852  0.084904    -5.870 -0.385630    -1.786  0.095723
               0.074901 -0.083757  0.000474 -2.69E-05  0.000277 -0.093115
.
.
21301       0  0.031058 -0.103854     1.575    -1.551    -2.300  0.115904
              -0.026017  0.098564     4.236     1.165  0.137011 -0.110254
.
21301   2.300 -0.026017  0.098564    -7.723     1.165    -3.873  0.116434
               0.031058 -0.103854     1.575    -1.551     1.322 -0.122950
.
.
21311       0  0.005839 -0.054948     5.906 -0.370882    -1.689  0.061989
              -0.004642  0.048099 -4.59E-05  0.000468  5.69E-05 -0.054495
.
21311   2.300 -0.003429  0.041224    -6.053 -0.369940    -1.858  0.047839
               0.004625 -0.048072  4.28E-05 -0.000474  5.26E-05 -0.056094
.
.
21321       0 -0.001544 -0.018542     6.156 -0.320071    -1.380  0.020984
              -5.03E-05  0.011657 -1.01E-05  0.000141  2.44E-05 -0.013304
.
21321   2.300 -0.001337  0.019462 -0.492375    -1.200    -1.593  0.022884
              -0.000257 -0.026346    -5.312  0.879876  0.617897 -0.031039
.
.
21331       0 -0.002552  0.006256     6.336 -0.232722    -1.117 -0.007226
              -0.000408 -0.011727 -6.30E-06 -0.000152  3.65E-05  0.013409
.
21331   2.300  0.001319  0.020021 -0.894490 -0.858499    -2.281  0.023306
              -0.004279 -0.025492    -4.729  0.625626     1.982 -0.029705
.
.
21341       0 -0.002725  0.007976     6.428 -0.116937 -0.934412 -0.009132
              -0.000928 -0.011353 -4.02E-06 -0.000149  4.79E-05  0.012962
.
21341   2.300  0.001906  0.020061    -1.137 -0.448941    -2.703  0.023146
              -0.005559 -0.023438    -4.394  0.331854     2.801 -0.027084
.
.
21351       0 -0.011056  0.038197     7.679  0.029451 -0.906379 -0.044105
               0.006879 -0.039316    -1.235 -0.015856  0.034830  0.045350
.
21351   2.300 -0.000273  0.019617    -1.221 -0.006918    -2.856  0.022203
              -0.003904 -0.020737    -4.294  0.020513     3.054 -0.023533
.
.
21361       0 -0.003277  0.010685     6.390  0.142975 -0.942932 -0.012479
              -0.001292 -0.009592  1.80E-05 -0.000141  5.86E-05  0.011245
.
21361   2.300  0.001018  0.088563    -1.167  0.450140    -2.743  0.101303
              -0.005587 -0.087470    -4.403 -0.307306     2.743 -0.100022
.
.
21371       0 -0.008451  0.010974     6.262  0.255042    -1.133 -0.013590
               0.004793 -0.007767  4.02E-05 -0.000135  5.45E-05  0.010204
.
21371   2.300 -0.012053  0.091935 -0.946363  0.854335    -2.369  0.104211
               0.008395 -0.088728    -4.751 -0.599428     1.884 -0.100222
.
.
21381       0 -0.023656  0.006635     6.069  0.337845    -1.415 -0.009845
               0.025135 -0.001440  6.19E-05 -0.000129  5.08E-05  0.004821
.
21381   2.300 -0.030233  0.092061 -0.599377     1.189    -1.755  0.104963
               0.031712 -0.086866    -5.291 -0.851144  0.544826 -0.098038
.
.
21391       0 -0.060930 -0.077538     5.870  0.385629    -1.786  0.087730
               0.075047  0.083932 -0.000475  2.68E-05  0.000277 -0.093309
.
21391   2.300  0.019553  0.096353    -6.110  0.400982    -2.066  0.112009
              -0.005436 -0.089959  0.019810 -0.015326  0.027052 -0.102883
.
.
21401       0  0.080555 -0.055932     8.479    -1.534    -4.088  0.058090
              -0.061654  0.049942 -0.032382  0.038854  0.033670 -0.053028
.
21401   2.300 -0.061654  0.049942 -0.032382  0.038854 -0.040806  0.061835
               0.080555 -0.055932    -3.480    -1.534     1.661 -0.070548
```

```
.
.
21411       0  0.021404 -0.073602     6.858    -1.447    -1.892  0.080285
              -0.019016  0.066866 -0.005760  0.039380  0.002939 -0.073881
.
21411   2.300 -0.019550  0.068187 -0.005766  0.039471 -0.010326  0.081540
               0.021939 -0.074923    -5.101    -1.447  0.128323 -0.090629
.
.
21421       0 -0.000351  0.011167  0.493736 -0.593159    -1.242 -0.012603
              -0.004888 -0.016226     5.618 -0.566704  0.590010  0.018016
.
21421   2.300 -0.005657  0.069422    -5.851    -1.141 -0.350486  0.079977
               0.000418 -0.074481  0.002979 -0.019252  0.001837 -0.086199
.
.
21431       0  0.000973  0.010925  0.693308 -0.429372    -1.764 -0.012541
              -0.007914 -0.014572     4.980 -0.375958     1.931  0.016679
.
21431   2.300 -0.004435  0.070957    -6.290 -0.785540 -0.540735  0.081234
              -0.002506 -0.074603  0.003048 -0.019790  0.001655 -0.085483
.
.
21441       0  0.001414  0.010655  0.823333 -0.220757    -2.101 -0.012223
              -0.008457 -0.013126     4.608 -0.164847     2.735  0.015077
.
21441   2.300 -0.004665  0.073868    -6.530 -0.384932 -0.628091  0.084590
              -0.002378 -0.076340  0.002598 -0.020672  0.001870 -0.087421
.
.
21451       0  0.002125  0.009284  0.872011  0.012032    -2.228 -0.010619
              -0.009083 -0.010651     4.495  0.053188     2.981  0.012217
.
21451   2.300 -0.004128  0.076860    -6.594  0.087008 -0.658586  0.088104
              -0.002830 -0.078227  0.001287 -0.021788  0.002095 -0.089651
.
.
21461       0  0.004985  0.050594  0.839007  0.268148    -2.146 -0.058711
              -0.011885 -0.050847     4.633  0.248153     2.668  0.059026
.
21461   2.300 -0.003591  0.079492    -6.487  0.539377 -0.648668  0.090957
              -0.003310 -0.079745 -0.000882 -0.023075  0.002288 -0.091223
.
.
21471       0 -0.011826  0.040867  0.728755  0.480375    -1.865 -0.051179
               0.004620 -0.039764     5.009  0.455952     1.808  0.049880
.
21471   2.300 -0.007707  0.079740    -6.218  0.960743 -0.615378  0.090290
               0.000501 -0.078637 -0.003677 -0.024417  0.002676 -0.089052
.
.
21481       0 -0.091588  0.013183  0.548892  0.648651    -1.414 -0.028835
               0.083733 -0.009693     5.582  0.641261  0.453104  0.024850
.
21481   2.300 -0.026158  0.072905    -5.822     1.316 -0.617909  0.080492
               0.018303 -0.069416 -0.006529 -0.025637  0.004177 -0.076450
.
.
21491       0 -0.046925  0.053705     6.511     1.561    -2.121 -0.063623
               0.043799 -0.044674 -0.007564 -0.026379  0.027648  0.054661
.
21491   2.300 -0.069795  0.034028    -5.448     1.561 -0.898341  0.036594
               0.066669 -0.024997 -0.007495 -0.026502  0.010366 -0.024786
.
.
21501       0 -0.005985 -0.032302     5.694 -0.930785    -2.443  0.047610
               0.007895  0.012823  0.009814 -0.686943  0.044098 -0.018223
.
21501   2.300  0.044912 -0.144300    -6.267 -0.930218    -3.101 -0.167321
              -0.043002  0.124821  0.011349 -0.687509  0.066787  0.151908
.
.
21601       0  0.090959 -0.425878     6.158     1.073    -2.702  0.457643
              -0.066361  0.423088 -0.040394    -1.474  0.052861 -0.452583
.
21601   2.300 -0.043441  0.192491    -5.969     1.095    -2.370  0.251020
               0.068039 -0.195282  0.127115    -1.496  0.037971 -0.252377
.
.
21701       0 -0.041181 -0.191325     5.969    -1.095    -2.370  0.249838
               0.073492  0.195896 -0.127120     1.496  0.037977 -0.253364
.
21701   2.300  0.105148  0.427025    -6.158    -1.073    -2.702  0.458940
              -0.072838 -0.422453  0.040390     1.474  0.052856 -0.451953
.
.
21801       0  0.079040  0.145299     6.267  0.930219    -3.101 -0.168361
              -0.046741 -0.124331 -0.011348  0.687509  0.066787  0.151239
.
21801   2.300  0.028166  0.033581    -5.694  0.930786    -2.443  0.049162
               0.004133 -0.012614 -0.009814  0.686941  0.044099 -0.018062
.
.
22101       0  0.044327 -0.044245     6.333  0.876177    -2.704  0.066443
              -0.009152  0.025503  0.014193     1.201  0.045391 -0.035201
.
22101   2.300  0.058013 -0.022740    -7.008  0.919576    -3.479 -0.013201
              -0.022839  0.003998  0.015534     1.158  0.078337  0.001337
.
.
22111       0  0.061073 -0.017904     6.166     1.966 -0.941401  0.019448
              -0.018419  0.031787  0.004563 -0.000969  0.008048 -0.037855
.
22111   2.300  0.059015  0.054899    -7.176     1.988    -2.104  0.061688
              -0.016360 -0.041017  0.006964 -0.022576  0.023024 -0.048168
.
.
22121       0  0.028069 -0.043678     6.712     1.633 -0.689166  0.048732
              -0.007218  0.054060  0.000392  0.000185  0.004074 -0.062223
.
22121   2.300 -0.027414 -0.002924 -0.628562     1.020    -1.673  0.004481
               0.048266  0.013306    -5.999  0.612922     1.086  0.005906
.
.
22131       0  0.017742 -0.056852     7.231     1.155 -0.720434  0.064239
              -0.006282  0.062106 -0.003946  0.001933  0.003611 -0.070698
.
22131   2.300  0.001915 -0.006628 -0.840926  0.744321    -2.234 -0.007353
```

```
                0.009545  0.011882    -5.271  0.412277     2.799  0.012978
.
.
22141       0  0.013175 -0.077961     7.562  0.588925 -0.772824  0.088651
              -0.004688  0.081594 -0.006642  0.004050  0.003842 -0.092950
.
22141   2.300 -0.004074 -0.072106 -0.973590  0.375403    -2.589 -0.084295
               0.012561  0.075739    -4.811  0.217571     3.857  0.088351
.
.
22151       0  0.011684 -0.082202     7.671 -0.017698 -0.793528  0.093899
              -0.004691  0.087190 -0.007080  0.006395  0.004058 -0.099690
.
22151   2.300 -0.006382 -0.065064    -1.021 -0.011544    -2.717 -0.075499
               0.013375  0.070052    -4.655  0.000240     4.215  0.081178
.
.
22161       0  0.012062 -0.083920     7.553 -0.624849 -0.774894  0.095730
              -0.006192  0.092356 -0.004977  0.008848  0.004124 -0.105457
.
22161   2.300 -0.001918 -0.154244 -0.979215 -0.425314    -2.607 -0.178860
               0.007789  0.162680    -4.812 -0.190687     3.857  0.188536
.
.
22171       0  0.007623 -0.067637     7.213    -1.192 -0.724909  0.075900
              -0.004286  0.081194 -0.000727  0.011173  0.004341 -0.091915
.
22171   2.300 -0.016326 -0.123870 -0.857081 -0.776423    -2.276 -0.147996
               0.019663  0.137426    -5.270 -0.404380     2.804  0.163160
.
.
22181       0 -0.024860 -0.066150     6.683    -1.673 -0.698201  0.069034
               0.016513  0.085482  0.004738  0.013359  0.006094 -0.093489
.
22181   2.300 -0.109683 -0.076643 -0.656128    -1.055    -1.746 -0.107936
               0.101336  0.095976    -5.996 -0.604435     1.095  0.127944
.
.
22191       0 -0.097730 -0.023167     6.128    -2.007 -0.965383  0.018076
               0.060050  0.039962  0.007624  0.014833  0.015314 -0.040660
.
22191   2.300 -0.117100 -0.055783    -7.213    -2.024    -2.215 -0.073393
               0.079420  0.072578  0.009242  0.031420  0.035987  0.089436
.
.
22201       0  0.035053 -0.045557     6.863    -1.506    -3.007  0.062522
               0.000805  0.043431 -0.043793     2.073  0.057849 -0.057714
.
22201   2.300 -0.014941 -0.087709    -6.644  0.601731    -2.641 -0.125538
               0.050799  0.085583  0.123340 -0.035341  0.034499  0.125456
.
.
22211       0  0.130069  0.039679     6.831  0.555960    -2.086 -0.051161
              -0.089576 -0.040251 -0.017626 -0.012261  0.022302  0.051442
.
22211   2.300 -0.037012 -0.003754    -6.526  0.543951    -1.733  0.001161
               0.077505  0.003182  0.000515 -0.000252  0.000309 -0.002196
.
.
```



```
22221       0  0.033625  0.026444  0.850148     1.624    -2.145 -0.039572
              -0.004089 -0.026874     5.748    -1.152     1.216  0.038702
.
22221   2.300  0.004694  0.058837    -6.741  0.472495    -1.093  0.071168
               0.024841 -0.059267  0.000227 -0.000244  4.54E-05 -0.073026
.
.
22231       0 -0.004978  0.008218     1.313     1.163    -2.909 -0.011372
               0.021644 -0.008821     5.092 -0.814085     2.927  0.010848
.
22231   2.300  0.003325  0.007841    -8.238 -0.810318 -0.812179  0.009049
               0.013341 -0.008445     1.304     1.160  0.223159 -0.010962
.
.
22241       0 -0.018703 -0.091441     1.590  0.595720    -3.380  0.105593
               0.026051  0.091849     4.704 -0.411304     3.994 -0.106850
.
22241   2.300  0.000125  0.015288    -8.666 -0.417714 -0.703404  0.016972
               0.007224 -0.014881     1.621  0.602130  0.452247 -0.017292
.
.
22251       0 -0.018147 -0.091173     1.691 -0.003678    -3.546  0.105013
               0.019470  0.094047     4.568  0.000257     4.356 -0.108845
.
22251   2.300 -0.006581  0.002514    -8.808 -0.003396 -0.666144  0.002237
               0.007904  0.000360     1.728 -2.50E-05  0.532426  0.000540
.
.
22261       0 -0.011872 -0.236182     1.618 -0.621150    -3.397  0.271589
               0.008431  0.242469     4.680  0.430410     3.995 -0.279308
.
22261   2.300 -0.015028  0.009449    -8.663  0.411505 -0.711055  0.009817
               0.011588 -0.003163     1.620 -0.602245  0.452251 -0.003078
.
.
22271       0 -0.034049 -0.237416     1.332    -1.172    -2.949  0.269627
               0.025646  0.246773     5.084  0.818000     2.932 -0.280829
.
22271   2.300 -0.026513  0.017804    -8.223  0.805580 -0.823647  0.019439
               0.018110 -0.008448     1.304    -1.160  0.223166 -0.009122
.
.
22281       0 -0.090100 -0.234356  0.880471    -1.630    -2.212  0.262851
               0.078740  0.243719     5.740     1.155     1.224 -0.273334
.
22281   2.300 -0.028715 -0.006803    -6.719 -0.475018    -1.102 -0.009699
               0.017355  0.016167 -2.85E-05  3.97E-05  5.47E-05  0.020750
.
.
22291       0 -0.060206 -0.146882     6.876 -0.559891    -2.182  0.166665
               0.057112  0.149559 -0.026684  0.015567  0.035430 -0.167276
.
22291   2.300 -0.102877 -0.028886    -6.490 -0.544423    -1.733 -0.036572
               0.099782  0.031563 -0.000193  0.000100  9.67E-05  0.042118
.
.
22301       0 -0.014242  0.083619     6.644 -0.601731    -2.641 -0.121244
               0.058017 -0.080995 -0.123338  0.035340  0.034497  0.120306
.
```

22301	2.300	0.050506	0.045833	-6.863	1.506	-3.007	0.062624
		-0.006731	-0.043208	0.043798	-2.073	0.057855	-0.057526
.							
.							
22311	0	-0.033285	-0.007271	6.526	-0.543952	-1.733	0.013263
		0.077465	-0.003138	-0.000516	0.000252	0.000309	-0.002245
.							
22311	2.300	0.137041	-0.052968	-6.831	-0.555961	-2.086	-0.067105
		-0.092861	0.042558	0.017626	0.012261	0.022302	0.054182
.							
.							
22321	0	0.003419	-0.072607	6.741	-0.472497	-1.093	0.086448
		0.024829	0.059294	-0.000228	0.000244	4.53E-05	-0.073056
.							
22321	2.300	0.038790	-0.032535	-0.850148	-1.624	-2.145	-0.046462
		-0.010543	0.019222	-5.748	1.152	1.216	0.029236
.							
.							
22331	0	-0.006132	-0.013817	8.238	0.810317	-0.812178	0.015356
		0.018406	0.003357	-1.304	-1.160	0.223157	-0.004821
.							
22331	2.300	0.001454	-0.013233	-1.313	-1.163	-2.909	-0.017016
		0.010820	0.002773	-5.092	0.814085	2.927	0.003495
.							
.							
22341	0	-0.012421	-0.018379	8.666	0.417713	-0.703401	0.020298
		0.014251	0.012117	-1.621	-0.602130	0.452244	-0.013969
.							
22341	2.300	-0.011719	0.088927	-1.590	-0.595721	-3.380	0.102836
		0.013550	-0.095189	-4.704	0.411304	3.994	-0.110909
.							
.							
22351	0	-0.019975	-0.002353	8.808	0.003395	-0.666142	0.002049
		0.015652	-0.000333	-1.728	2.48E-05	0.532422	0.000510
.							
22351	2.300	-0.010505	0.091331	-1.691	0.003677	-3.546	0.105193
		0.006182	-0.094017	-4.568	-0.000257	4.356	-0.108811
.							
.							
22361	0	-0.027611	-0.006040	8.663	-0.411506	-0.711062	0.006124
		0.018650	0.005980	-1.620	0.602245	0.452253	-0.006458
.							
22361	2.300	-0.004255	0.239142	-1.618	0.621150	-3.397	0.274953
		-0.004707	-0.239201	-4.680	-0.430410	3.995	-0.275425
.							
.							
22371	0	-0.035936	-0.011599	8.228	-0.805581	-0.823647	0.012901
		0.023204	0.013583	-1.304	1.160	0.223163	-0.015306
.							
22371	2.300	-0.027003	0.242794	-1.332	1.172	-2.949	0.275779
		0.014270	-0.240811	-5.084	-0.818000	2.932	-0.273622
.							
.							
22381	0	-0.029258	0.020537	6.719	0.475017	-1.102	-0.024812
		0.017411	-0.016122	2.83E-05	-3.98E-05	5.49E-05	0.020705
.							
22381	2.300	-0.083145	0.240884	-0.880470	1.630	-2.212	0.270431
		0.071298	-0.236470	-5.740	-1.155	1.224	-0.264386
.							

.							
22391	0	-0.096988	0.039554	6.490	0.544423	-1.733	-0.048100
		0.099832	-0.031518	0.000193	-0.000100	9.69E-05	0.042070
.							
22391	2.300	-0.049751	0.160521	-6.876	0.559891	-2.182	0.183214
		0.052595	-0.152484	0.026683	-0.015568	0.035428	-0.170761
.							
.							
22401	0	0.096308	0.022881	7.008	-0.919578	-3.479	-0.013379
		-0.027480	-0.003651	-0.015535	-1.158	0.078338	0.000837
.							
22401	2.300	0.082533	0.044700	-6.333	-0.876179	-2.704	0.066928
		-0.013706	-0.025471	-0.014193	-1.201	0.045391	-0.035244
.							
.							
22411	0	0.069065	-0.073033	7.176	-1.988	-2.104	0.079199
		-0.017527	0.042800	-0.006964	0.022576	0.023024	-0.050153
.							
22411	2.300	0.071198	-0.000465	-6.166	-1.966	-0.941401	-0.005022
		-0.019660	-0.029768	-0.004563	0.000969	0.008048	-0.035465
.							
.							
22421	0	-0.024791	-0.001944	0.628562	-1.020	-1.673	0.009907
		0.036226	-0.021618	5.999	-0.612922	1.086	0.014481
.							
22421	2.300	0.019301	0.029356	-6.712	-1.633	-0.689169	0.031069
		-0.007867	-0.052918	-0.000392	-0.000185	0.004074	-0.060871
.							
.							
22431	0	0.004523	0.003162	0.840926	-0.744321	-2.234	-0.003329
		-0.007255	-0.016964	5.271	-0.412277	2.799	0.018572
.							
22431	2.300	0.003855	0.047743	-7.231	-1.155	-0.720437	0.053527
		-0.006589	-0.061545	0.003947	-0.001933	0.003611	-0.070028
.							
.							
22441	0	-0.001054	0.070396	0.973590	-0.375404	-2.589	-0.082272
		-0.005331	-0.078235	4.811	-0.217571	3.857	0.091139
.							
22441	2.300	-0.001585	0.073513	-7.562	-0.588925	-0.772823	0.083496
		-0.004800	-0.081352	0.006643	-0.004050	0.003842	-0.092659
.							
.							
22451	0	-0.003100	0.065121	1.021	0.011543	-2.717	-0.075565
		-0.004838	-0.069990	4.655	-0.000240	4.215	0.081107
.							
22451	2.300	-0.003169	0.082251	-7.671	0.017697	-0.793525	0.093960
		-0.004769	-0.087120	0.007080	-0.006395	0.004058	-0.099616
.							
.							
22461	0	0.001282	0.156092	0.979214	0.425313	-2.607	-0.181007
		-0.010303	-0.160092	4.812	0.190687	3.857	0.185610
.							
22461	2.300	-0.002629	0.088497	-7.553	0.624849	-0.774897	0.101045
		-0.006391	-0.092497	0.004977	-0.008849	0.004124	-0.105643
.							
.							
22471	0	-0.013550	0.127638	0.857079	0.776422	-2.276	-0.152336
		0.002745	-0.132325	5.270	0.404380	2.804	0.157535

```
.
22471   2.300 -0.006076  0.077072    -7.213     1.192 -0.724914  0.087015
              -0.004729 -0.081759  0.000728 -0.011173  0.004342 -0.092596
.
.
22481       0 -0.106276  0.082337  0.656127     1.055    -1.746 -0.114170
               0.089108 -0.087856     5.996  0.604434     1.095  0.119574
.
22481   2.300 -0.032920  0.081239    -6.683     1.673 -0.698206  0.087687
               0.015752 -0.086758 -0.004736 -0.013360  0.006095 -0.094978
.
.
22491       0 -0.104405  0.075576     7.213     2.024    -2.215 -0.092491
               0.078322 -0.074722 -0.009240 -0.031421  0.035984  0.091861
.
22491   2.300 -0.085035  0.043013    -6.128     2.007 -0.965385  0.044561
               0.058952 -0.042158 -0.007623 -0.014835  0.015315 -0.043227
.
.
22501       0 -0.004916 -0.052622     6.302 -0.918035    -2.787  0.079350
              -0.005047  0.008335  0.003799    -1.188  0.076816 -0.010284
.
22501   2.300  0.035371 -0.122056    -7.039 -0.949597    -3.632 -0.131213
              -0.045334  0.077769  0.005605    -1.156  0.085749  0.098424
.
.
22601       0  0.048541 -0.158439     6.920     1.496    -3.117  0.168505
              -0.020998  0.149462 -0.064704    -2.062  0.084371 -0.153254
.
22601   2.300 -0.052315  0.202757    -6.663 -0.591340    -2.661  0.274510
               0.079857 -0.211735  0.178925  0.025201  0.054711 -0.279907
.
.
22701       0 -0.053531 -0.199097     6.663  0.591340    -2.661  0.270509
               0.091410  0.208398 -0.178929 -0.025201  0.054716 -0.276316
.
22701   2.300  0.067904  0.158923    -6.920    -1.496    -3.117  0.169120
              -0.030025 -0.149622  0.064703     2.062  0.084370 -0.153535
.
.
22801       0  0.079277  0.122933     7.039  0.949598    -3.632 -0.131909
              -0.049913 -0.078015 -0.005604     1.156  0.085749  0.098577
.
22801   2.300  0.038958  0.053587    -6.302  0.918036    -2.787  0.080766
              -0.009595 -0.008669 -0.003798     1.188  0.076818 -0.010791
.
.
23101       0  0.072620 -0.086578     7.350  0.658668    -3.223  0.132606
              -0.011958  0.031848  0.008262     2.484  0.085553 -0.040527
.
23101   2.300  0.084871 -0.121873    -8.291  0.690991    -4.303 -0.115478
              -0.024209  0.067144  0.010024     2.451  0.104705  0.081685
.
.
23111       0  0.048330  0.038197     7.438     2.975    -1.019 -0.044447
               0.023587 -0.004054  0.007034 -0.005270  0.010055 -0.000818
.
23111   2.300 -0.010459  0.145139    -8.205     3.028    -1.903  0.170566
               0.082377 -0.110995  0.010765 -0.058610  0.032629 -0.137303
```

```
.
.
23121       0  0.030814  0.034704     8.399     2.461 -0.814953 -0.040171
              -0.001865 -0.014644  0.000867 -0.004122  0.003715  0.014801
.
23121   2.300 -0.060830  0.157946 -0.702679     2.132    -2.029  0.200580
               0.089778 -0.137886    -6.537  0.325294     2.553 -0.179814
.
.
23131       0  0.021686  0.017493     9.212     1.737 -0.889523 -0.020207
              -0.005522 -0.010400 -0.006217 -0.002700  0.002711  0.011764
.
23131   2.300 -0.001324  0.191510 -0.911247     1.569    -2.658  0.225053
               0.017488 -0.184417    -5.523  0.165556     4.958 -0.217182
.
.
23141       0  0.016990  0.006464     9.708  0.894661 -0.956979 -0.007536
              -0.003950 -0.004774 -0.011237 -0.001305  0.002652  0.005544
.
23141   2.300 -0.004001 -0.006286    -1.034  0.793466    -3.046 -0.007601
               0.017041  0.007976    -4.909  0.099889     6.408  0.009496
.
.
23151       0  0.015440 -8.11E-06     9.872  2.14E-06 -0.979964  9.27E-06
              -0.003196 -5.18E-07 -0.013034  9.79E-09  0.002679  6.03E-07
.
23151   2.300 -0.004644 -8.53E-06    -1.074  1.86E-06    -3.176 -9.92E-06
               0.016888 -1.01E-07    -4.706  2.88E-07     6.889 -5.59E-08
.
.
23161       0  0.016998 -0.006465     9.708 -0.894657 -0.956987  0.007536
              -0.003942  0.004781 -0.011237  0.001305  0.002652 -0.005552
.
23161   2.300 -0.003979  0.006285    -1.034 -0.793463    -3.046  0.007600
               0.017034 -0.007968    -4.909 -0.099888     6.408 -0.009487
.
.
23171       0  0.021693 -0.017492     9.212    -1.737 -0.889524  0.020206
              -0.005529  0.010407 -0.006217  0.002700  0.002710 -0.011772
.
23171   2.300 -0.001317 -0.191510 -0.911249    -1.569    -2.658 -0.225053
               0.017480  0.184425    -5.523 -0.165555     4.958  0.217191
.
.
23181       0  0.030792 -0.034712     8.399    -2.461 -0.814958  0.040180
              -0.001872  0.014645  0.000867  0.004122  0.003715 -0.014802
.
23181   2.300 -0.060837 -0.157954 -0.702681    -2.132    -2.029 -0.200589
               0.089756  0.137887    -6.537 -0.325293     2.553  0.179815
.
.
23191       0  0.048338 -0.038213     7.438    -2.975    -1.019  0.044465
               0.023587  0.004054  0.007034  0.005270  0.010055  0.000818
.
23191   2.300 -0.010437 -0.145155    -8.205    -3.028    -1.903 -0.170584
               0.082362  0.110995  0.010765  0.058610  0.032629  0.137303
.
.
23201       0  0.036438 -0.067353     8.104    -2.422    -3.644  0.085462
```

```
                0.015052  0.056884 -0.076047     3.388  0.099318 -0.065965
.
23201    2.300  0.010093 -0.019738    -7.779  0.997494    -3.115 -0.040929
                0.041397  0.009268  0.167408 -0.031659  0.048205  0.036348
.
.
23211        0  0.047497  0.118742     8.138  0.940680    -1.944 -0.132955
                0.020121 -0.119646 -0.024398 -0.010793  0.030204  0.134294
.
23211    2.300  0.029497  0.033747    -7.526  0.930037    -1.238  0.042308
                0.038120 -0.034651  0.000220 -0.000151  0.000138 -0.043048
.
.
23221        0 -0.034836  0.323232     1.473     2.690    -2.783 -0.368231
                0.082655 -0.323117     6.437    -1.879     2.804  0.365714
.
23221    2.300  0.008630  0.030733    -9.139    -1.842 -0.435408  0.035848
                0.039188 -0.030618     1.410     2.653  0.663581 -0.038102
.
.
23231        0 -0.004454  0.160272     2.168     1.899    -3.709 -0.184297
                0.030623 -0.162250     5.605    -1.297     5.259  0.184652
.
23231    2.300 -0.038991  0.046046 -0.012885 -0.002236 -0.157818  0.055079
                0.065160 -0.048024    -7.854  0.604203     1.600 -0.059273
.
.
23241        0 -0.012317 -0.001661     2.589  0.977984    -4.268  0.002308
                0.026220 -0.000301     5.138 -0.657273     6.750 -0.000909
.
23241    2.300 -0.021539  0.052755 -0.035892 -0.000181 -0.177425  0.061237
                0.035443 -0.054717    -7.877  0.320892     2.446 -0.064350
.
.
23251        0 -0.010576  7.98E-06     2.741  2.38E-06    -4.455 -9.09E-06
                0.020852 -7.45E-08     4.979 -1.57E-06     7.247  3.73E-08
.
23251    2.300 -0.017290  5.96E-08 -0.042753 -9.31E-09 -0.182744  1.64E-07
                0.027566  7.84E-06    -7.876  8.21E-07     2.746  8.96E-06
.
.
23261        0 -0.012353  0.001669     2.589 -0.977980    -4.268 -0.002318
                0.026213  0.000309     5.138  0.657270     6.750  0.000900
.
23261    2.300 -0.021561 -0.052746 -0.035892  0.000181 -0.177425 -0.061227
                0.035421  0.054725    -7.877 -0.320890     2.446  0.064359
.
.
23271        0 -0.004476 -0.160279     2.168    -1.899    -3.709  0.184306
                0.030609  0.162242     5.605     1.297     5.259 -0.184643
.
23271    2.300 -0.039027 -0.046046 -0.012885  0.002236 -0.157818 -0.055079
                0.065160  0.048008    -7.854 -0.604202     1.600  0.059255
.
.
23281        0 -0.034844 -0.323224     1.473    -2.690    -2.783  0.368222
                0.082655  0.323117     6.437     1.879     2.804 -0.365714
.
23281    2.300  0.008623 -0.030733    -9.139     1.842 -0.435414 -0.035848
```



```
                0.039188  0.030626     1.410    -2.653  0.663586  0.038111
.
.
23291        0  0.047519 -0.118726     8.138 -0.940679    -1.944  0.132936
                0.020121  0.119654 -0.024398  0.010793  0.030203 -0.134303
.
23291    2.300  0.029526 -0.033747    -7.526 -0.930037    -1.238 -0.042308
                0.038113  0.034675  0.000220  0.000151  0.000138  0.043076
.
.
23301        0  0.011644  0.011370     7.779 -0.997495    -3.115 -0.031915
                0.051556 -0.004169 -0.167409  0.031659  0.048207  0.030802
.
23301    2.300  0.058928  0.065670    -8.104     2.422    -3.644  0.083265
                0.004271 -0.058468  0.076051    -3.388  0.099322 -0.067815
.
.
23311        0  0.034375 -0.055583     7.526 -0.930039    -1.238  0.066305
                0.038113  0.034672 -0.000220  0.000151  0.000138 -0.043071
.
23311    2.300  0.056493 -0.143469    -8.138 -0.940682    -1.944 -0.162658
                0.015996  0.122558  0.024397  0.010794  0.030202  0.137800
.
.
23321        0  0.003299 -0.043861     9.139     1.842 -0.435409  0.049450
                0.041901  0.019265    -1.410    -2.653  0.663569 -0.024525
.
23321    2.300 -0.028495 -0.334694    -1.473    -2.690    -2.783 -0.381320
                0.073695  0.310098    -6.437     1.879     2.804  0.349676
.
.
23331        0 -0.038947 -0.045811     0.012885  0.002236 -0.157818  0.054755
                0.058811  0.029087     7.854 -0.604205     1.600 -0.037869
.
23331    2.300  0.003474 -0.169219    -2.168    -1.899    -3.709 -0.194440
                0.016390  0.152495    -5.605     1.297     5.259  0.172863
.
.
23341        0 -0.021583 -0.052701     0.035892  0.000181 -0.177425  0.061176
                0.028349  0.044890     7.877 -0.320893     2.446 -0.053182
.
23341    2.300 -0.003306 -0.003042    -2.589 -0.977985    -4.268 -0.002940
                0.010071 -0.004769    -5.138  0.657272     6.750 -0.007031
.
.
23351        0 -0.017319  3.28E-07     0.042754  9.31E-09 -0.182744 -4.32E-07
                0.020362 -1.60E-07     7.876 -8.21E-07     2.746  2.46E-07
.
23351    2.300 -0.000841  2.38E-07    -2.741 -2.38E-06    -4.455  2.76E-07
                0.003884 -7.82E-08    -4.979  1.57E-06     7.247 -8.94E-08
.
.
23361        0 -0.021583  0.052701     0.035892 -0.000181 -0.177425 -0.061175
                0.028334 -0.044898     7.877  0.320891     2.446  0.053191
.
23361    2.300 -0.003306  0.003041    -2.589  0.977980    -4.268  0.002940
                0.010057  0.004761    -5.138 -0.657269     6.750  0.007022
.
.
```

```
23371       0 -0.038925  0.045811  0.012886 -0.002236 -0.157818 -0.054756
                0.058311 -0.029087     7.854  0.604203     1.600  0.037869
.
23371   2.300  0.003496  0.169219    -2.168     1.899    -3.709  0.194440
               0.016390 -0.152495    -5.605    -1.297     5.259 -0.172862
.
.
23381       0  0.003313  0.043869     9.139    -1.842 -0.435403 -0.049459
               0.041901 -0.019273    -1.410     2.653  0.663573  0.024534
.
23381   2.300 -0.028480  0.334702    -1.473     2.690    -2.783  0.381329
               0.073695 -0.310105    -6.437    -1.879     2.804 -0.349685
.
.
23391       0  0.034361  0.055583     7.526  0.930039    -1.238 -0.066306
               0.038120 -0.034680 -0.000220 -0.000151  0.000138  0.043081
.
23391   2.300  0.056478  0.143469    -8.138  0.940681    -1.944  0.162659
               0.016003 -0.122567  0.024397 -0.010794  0.030202 -0.137809
.
.
23401       0  0.137363  0.121061     8.291 -0.690996    -4.303 -0.114265
              -0.030053 -0.068091 -0.010023    -2.451  0.104706  0.082606
.
23401   2.300  0.125068  0.085925    -7.350 -0.658673    -3.223  0.132130
              -0.017758 -0.032955 -0.008261    -2.484  0.085554 -0.041964
.
.
23411       0 -0.000965 -0.174354     8.205    -3.028    -1.903  0.199096
               0.081075  0.113224 -0.010763  0.058611  0.032627 -0.139786
.
23411   2.300  0.057780 -0.067495    -7.438    -2.975    -1.019 -0.083197
               0.022329  0.006365 -0.007034  0.005271  0.010056  0.001913
.
.
23421       0 -0.058197 -0.166175  0.702680    -2.132    -2.029  0.209747
               0.073351  0.126361     6.537 -0.325295     2.553 -0.167604
.
23421   2.300  0.017722 -0.055551    -8.399    -2.461 -0.814958 -0.065523
              -0.002567  0.015738 -0.000867  0.004122  0.003715  0.016098
.
.
23431       0  0.001682 -0.197295  0.911250    -1.569    -2.658  0.231645
              -0.003591  0.177455     5.523 -0.165557     4.958 -0.209399
.
23431   2.300  0.003920 -0.030630    -9.212    -1.737 -0.889520 -0.085635
              -0.005829  0.010790  0.006217  0.002700  0.002711  0.012250
.
.
23441       0 -0.000563  0.003206     1.034 -0.793466    -3.046 -0.004055
              -0.005332 -0.011300     4.909 -0.099890     6.408  0.013208
.
23441   2.300 -0.001880 -0.012950    -9.708 -0.894661 -0.956978 -0.015124
              -0.004015  0.004857  0.011237  0.001306  0.002652  0.005662
.
.
23451       0 -0.000914  1.45E-07     1.074 -1.86E-06    -3.176 -2.16E-07
              -0.005968 -5.22E-08     4.706 -2.88E-07     6.889  5.96E-08
.
```

```
23451   2.300 -0.003723 -1.45E-07    -9.872 -2.14E-06 -0.979965 -2.38E-07
              -0.003160  2.42E-07  0.013035 -1.09E-08  0.002679  2.72E-07
.
.
23461       0 -0.000534 -0.003207     1.034  0.793462    -3.046  0.004056
              -0.005310  0.011308     4.909  0.099889     6.408 -0.013217
.
23461   2.300 -0.001836  0.012949    -9.708  0.894657 -0.956985  0.015122
              -0.004008 -0.004848  0.011237 -0.001306  0.002652 -0.005652
.
.
23471       0  0.001660  0.197295  0.911253     1.569    -2.658 -0.231645
              -0.003591 -0.177462     5.523  0.165556     4.958  0.209408
.
23471   2.300  0.003898  0.030630    -9.212     1.737 -0.889521  0.035635
              -0.005829 -0.010798  0.006218 -0.002700  0.002711 -0.012259
.
.
23481       0 -0.053190  0.166174  0.702680     2.132    -2.029 -0.209746
               0.073381 -0.126353     6.537  0.325295     2.553  0.167595
.
23481   2.300  0.017744  0.055551    -8.399     2.461 -0.814957  0.065523
              -0.002553 -0.015730 -0.000866 -0.004122  0.003715 -0.016089
.
.
23491       0 -0.000973  0.174346     8.205     3.028    -1.903 -0.199086
               0.081082 -0.113216 -0.010763 -0.058611  0.032627  0.139776
.
23491   2.300  0.057773  0.067487    -7.438     2.975    -1.019  0.083187
               0.022337 -0.006357 -0.007033 -0.005271  0.010056 -0.001903
.
.
23501       0  0.072649  0.086578     7.350 -0.658669    -3.223 -0.132606
              -0.011973 -0.031842  0.008317    -2.484  0.085490  0.040519
.
23501   2.300  0.084885  0.121866    -8.291 -0.690992    -4.303  0.115470
              -0.024209 -0.067130  0.010078    -2.451  0.104768 -0.081669
.
.
23601       0  0.036423  0.067346     8.104     2.422    -3.644 -0.085453
               0.015067 -0.056893 -0.075972    -3.388  0.099231  0.065975
.
23601   2.300  0.010093  0.019729    -7.779 -0.997494    -3.115  0.040920
               0.041397 -0.009276  0.167407  0.031659  0.048204 -0.036356
.
.
23701       0  0.011644 -0.011362     7.779  0.997496    -3.115  0.031905
               0.051556  0.004168 -0.167408 -0.031659  0.048206 -0.030802
.
23701   2.300  0.058928 -0.065670    -8.104    -2.422    -3.644 -0.083266
               0.004271  0.058477  0.075976     3.388  0.099236  0.067825
.
.
23801       0  0.137385 -0.121052     8.291  0.690996    -4.303  0.114257
              -0.030031  0.068101 -0.010077     2.451  0.104768 -0.082618
.
23801   2.300  0.125090 -0.085916    -7.350  0.658674    -3.223 -0.132120
              -0.017736  0.032964 -0.008316     2.484  0.085492  0.041974
.
```

```
.
24101       0 -0.004922  0.052626     6.302  0.918034    -2.787 -0.079355
             -0.005034 -0.008336  0.003779     1.188  0.076839  0.010285
.
24101   2.300  0.035359  0.122056    -7.039  0.949596    -3.632  0.131213
             -0.045315 -0.077765  0.005585     1.156  0.085726 -0.098420
.
.
24111       0 -0.097730  0.023173     6.128     2.007 -0.965375 -0.018083
              0.060038 -0.039967  0.007624 -0.014833  0.015314  0.040667
.
24111   2.300 -0.117106  0.055789    -7.213     2.024    -2.215  0.073400
              0.079414 -0.072584  0.009242 -0.031420  0.035987 -0.089442
.
.
24121       0 -0.024841  0.066140     6.683     1.673 -0.698199 -0.069023
              0.016507 -0.085477  0.004738 -0.013359  0.006094  0.093483
.
24121   2.300 -0.109670  0.076639 -0.656128     1.055    -1.746  0.107930
              0.101336 -0.095976    -5.996  0.604436     1.095 -0.127944
.
.
24131       0  0.007642  0.067641     7.213     1.192 -0.724909 -0.075905
             -0.004280 -0.081193 -0.000727 -0.011173  0.004341  0.091914
.
24131   2.300 -0.016313  0.123874 -0.857080  0.776424    -2.276  0.148001
              0.019676 -0.137426    -5.270  0.404381     2.804 -0.163160
.
.
24141       0  0.012028  0.083919     7.553  0.624852 -0.774896 -0.095729
             -0.006195 -0.092356 -0.004977 -0.008848  0.004124  0.105456
.
24141   2.300 -0.001953  0.154248 -0.979215  0.425316    -2.607  0.178865
              0.007785 -0.162685    -4.812  0.190688     3.857 -0.188542
.
.
24151       0  0.011684  0.082208     7.671  0.017701 -0.793522 -0.093905
             -0.004701 -0.087189 -0.007080 -0.006395  0.004058  0.099689
.
24151   2.300 -0.006394  0.065070    -1.021  0.011545    -2.717  0.075505
              0.013378 -0.070051    -4.655 -0.000239     4.215 -0.081178
.
.
24161       0  0.013188  0.077961     7.562 -0.588922 -0.772819 -0.088652
             -0.004682 -0.081594 -0.006642 -0.004050  0.003842  0.092950
.
24161   2.300 -0.004055  0.072106 -0.973591 -0.375402    -2.589  0.084295
              0.012561 -0.075739    -4.811 -0.217570     3.857 -0.088351
.
.
24171       0  0.017807  0.056846     7.231    -1.155 -0.720435 -0.064232
             -0.006282 -0.062105 -0.003946 -0.001933  0.003611  0.070697
.
24171   2.300  0.001953  0.006622 -0.840927 -0.744320    -2.234  0.007347
              0.009573 -0.011881    -5.271 -0.412276     2.799 -0.012977
.
.
24181       0  0.028082  0.043682     6.712    -1.633 -0.689167 -0.048737
             -0.007218 -0.054059  0.000392 -0.000185  0.004074  0.062222
.
24181   2.300 -0.027377  0.002923 -0.628563    -1.020    -1.673 -0.004482
              0.048241 -0.013300    -5.999 -0.612921     1.086 -0.005899
.
.
24191       0  0.061067  0.017903     6.166    -1.966 -0.941411 -0.019446
             -0.018419 -0.031781  0.004563  0.000969  0.008048  0.037349
.
24191   2.300  0.059008 -0.054900    -7.176    -1.988    -2.104 -0.061690
             -0.016360  0.041022  0.006964  0.022576  0.023024  0.048175
.
.
24201       0  0.048541  0.158439     6.920    -1.496    -3.117 -0.168504
             -0.020998 -0.149466 -0.064739     2.062  0.084411  0.153259
.
24201   2.300 -0.052315 -0.202761    -6.663  0.591340    -2.661 -0.274515
              0.079857  0.211735  0.178926 -0.025201  0.054712  0.279907
.
.
24211       0 -0.060194  0.146882     6.876  0.559891    -2.182 -0.166665
              0.057125 -0.149554 -0.026684 -0.015567  0.035430  0.167271
.
24211   2.300 -0.102864  0.028886    -6.490  0.544424    -1.733  0.036572
              0.099795 -0.031558 -0.000193 -0.000100 9.67E-05 -0.042113
.
.
24221       0 -0.090100  0.234366  0.880467     1.630    -2.212 -0.262362
              0.078740 -0.243724     5.740    -1.155     1.224  0.273339
.
24221   2.300 -0.028715  0.006814    -6.719  0.475019    -1.102  0.009711
              0.017355 -0.016172 -2.85E-05 -3.97E-05 5.47E-05 -0.020756
.
.
24231       0 -0.034049  0.237412     1.332     1.172    -2.949 -0.269622
              0.025646 -0.246773     5.084 -0.818001     2.932  0.280929
.
24231   2.300 -0.026513 -0.017809    -8.228 -0.805582 -0.823647 -0.019445
              0.018110  0.008448     1.304     1.160  0.223165  0.009122
.
.
24241       0 -0.011859  0.236182     1.618  0.621153    -3.397 -0.271589
              0.008422 -0.242468     4.680 -0.430412     3.995  0.279308
.
24241   2.300 -0.015041 -0.009449    -8.663 -0.411507 -0.711061 -0.009817
              0.011603  0.003163     1.620  0.602248  0.452253  0.003078
.
.
24251       0 -0.018163  0.091163     1.691  0.003681    -3.546 -0.105002
              0.019504 -0.094047     4.568 -0.000259     4.356  0.108846
.
24251   2.300 -0.006560 -0.002523    -8.808  0.003394 -0.666140 -0.002248
              0.007901 -0.000361     1.728  2.79E-05  0.532426 -0.000541
.
.
24261       0 -0.018743  0.091442     1.590 -0.595718    -3.380 -0.105593
              0.026051 -0.091849     4.704  0.411302     3.994  0.106850
.
24261   2.300  0.000106 -0.015288    -8.666  0.417712 -0.703401 -0.016972
              0.007202  0.014881     1.621 -0.602128  0.452247  0.017292
```

```
.
.
24271       0 -0.005003 -0.008213     1.313    -1.163    -2.909  0.011367
               0.021644  0.008822     5.092  0.814084     2.927 -0.010348
.
24271   2.300  0.003300 -0.007836    -8.238  0.810316 -0.812179 -0.009043
               0.013341  0.008445     1.304    -1.160  0.223162  0.010961
.
.
24281       0  0.033625 -0.026440  0.850152    -1.624    -2.145  0.039567
              -0.004052  0.026870     5.748     1.152     1.216 -0.038697
.
24281   2.300  0.004732 -0.058837    -6.741 -0.472495    -1.093 -0.071168
               0.024841  0.059267  0.000227  0.000244  4.54E-05  0.073027
.
.
24291       0  0.130094 -0.039674     6.831 -0.555960    -2.086  0.051156
              -0.089576  0.040251 -0.017626  0.012261  0.022302 -0.051442
.
24291   2.300 -0.036987  0.003759    -6.526 -0.543951    -1.733 -0.001156
               0.077505 -0.003182  0.000515  0.000252  0.000309  0.002196
.
.
24301       0 -0.053531  0.199092     6.663 -0.591340    -2.661 -0.270504
               0.091404 -0.208393 -0.178930  0.025201  0.054717  0.276310
.
24301   2.300  0.067886 -0.158918    -6.920     1.496    -3.117 -0.169115
              -0.030013  0.149617  0.064738    -2.062  0.084410  0.153530
.
.
24311       0 -0.096988 -0.039559     6.490 -0.544423    -1.733  0.048106
               0.099851  0.031518  0.000193  0.000100 9.69E-05 -0.042070
.
24311   2.300 -0.049751 -0.160525    -6.876 -0.559891    -2.182 -0.183220
               0.052614  0.152484  0.026683  0.015568  0.035428  0.170762
.
.
24321       0 -0.029258 -0.020542     6.719 -0.475018    -1.102  0.024818
               0.017405  0.016118 2.83E-05  3.98E-05  5.49E-05 -0.020699
.
24321   2.300 -0.083145 -0.240889 -0.880466    -1.630    -2.212 -0.270437
               0.071292  0.236465    -5.740     1.155     1.224  0.264380
.
.
24331       0 -0.035923  0.011599     8.228  0.805583 -0.823645 -0.012900
               0.023204 -0.013577    -1.304    -1.160  0.223164  0.015300
.
24331   2.300 -0.027003 -0.242794    -1.332    -1.172    -2.949 -0.275779
               0.014283  0.240816    -5.084  0.818002     2.932  0.273628
.
.
24341       0 -0.027605  0.006044     8.663  0.411507 -0.711056 -0.006130
               0.018653 -0.005979    -1.620 -0.602248  0.452252  0.006458
.
24341   2.300 -0.004248 -0.239137    -1.618 -0.621152    -3.397 -0.274948
              -0.004704  0.239202    -4.680  0.430412     3.995  0.275425
.
.
24351       0 -0.019941  0.002358     8.808 -0.003393 -0.666143 -0.002054
               0.015611  0.000338    -1.728 -2.76E-05  0.532425 -0.000516
.
24351   2.300 -0.010508 -0.091326    -1.691 -0.003680    -3.546 -0.105187
               0.006179  0.094022    -4.568  0.000259     4.356  0.108817
.
.
24361       0 -0.012377  0.018384     8.666 -0.417711 -0.703404 -0.020304
               0.014264 -0.012117    -1.621  0.602128  0.452245  0.013969
.
24361   2.300 -0.011688 -0.088922    -1.590  0.595719    -3.380 -0.102831
               0.013575  0.095189    -4.704 -0.411302     3.994  0.110909
.
.
24371       0 -0.006139  0.013817     8.238 -0.810315 -0.812181 -0.015356
               0.018366 -0.003357    -1.304     1.160  0.223159  0.004821
.
24371   2.300  0.001438  0.013233    -1.313     1.163    -2.909  0.017017
               0.010789 -0.002774    -5.092 -0.814083     2.927 -0.003496
.
.
24381       0  0.003394  0.072612     6.741  0.472496    -1.093 -0.086454
               0.024829 -0.059294 -0.000228 -0.000244  4.53E-05  0.073056
.
24381   2.300  0.038778  0.032541 -0.850152     1.624    -2.145  0.046469
              -0.010555 -0.019222    -5.748    -1.152     1.216 -0.029236
.
.
24391       0 -0.033310  0.007267     6.526  0.543952    -1.733 -0.013257
               0.077465  0.003138 -0.000516 -0.000252  0.000309  0.002246
.
24391   2.300  0.137028  0.052963    -6.831  0.555961    -2.086  0.067100
              -0.092873 -0.042559  0.017626 -0.012261  0.022302 -0.054183
.
.
24401       0  0.079289 -0.122933     7.039 -0.949598    -3.632  0.131909
              -0.049913  0.078010 -0.005584    -1.156  0.085726 -0.098571
.
24401   2.300  0.038971 -0.053591    -6.302 -0.918036    -2.787 -0.080770
              -0.009595  0.008669 -0.003778    -1.188  0.076841  0.010790
.
.
24411       0 -0.104399 -0.075571     7.213    -2.024    -2.215  0.092486
               0.078322  0.074723 -0.009240  0.031421  0.035984 -0.091862
.
24411   2.300 -0.085035 -0.043012    -6.128    -2.007 -0.965378 -0.044561
               0.058959  0.042164 -0.007622  0.014835  0.015315  0.043233
.
.
24421       0 -0.106251 -0.082322  0.656126    -1.055    -1.746  0.114153
               0.089096  0.087856     5.996 -0.604435     1.095 -0.119573
.
24421   2.300 -0.032907 -0.081229    -6.683    -1.673 -0.698201 -0.087676
               0.015752  0.086763 -0.004736  0.013360  0.006095  0.094983
.
.
24431       0 -0.013556 -0.127648  0.857078 -0.776424    -2.276  0.152347
               0.002732  0.132325     5.270 -0.404381     2.804 -0.157534
.
24431   2.300 -0.006076 -0.077072    -7.213    -1.192 -0.724913 -0.087015
```

```
                -0.004747  0.081748  0.000728  0.011173  0.004342  0.092584
.
.
24441       0  0.001285 -0.156087  0.979214 -0.425315    -2.607  0.181002
               -0.010318  0.160093     4.812 -0.190688     3.857 -0.185610
.
24441   2.300 -0.002633 -0.088491    -7.553 -0.624852 -0.774896 -0.101039
               -0.006401  0.092497  0.004977  0.008949  0.004124  0.105643
.
.
24451       0 -0.003088 -0.065122     1.021 -0.011544    -2.717  0.075565
               -0.004838  0.069985     4.655  0.000239     4.215 -0.081101
.
24451   2.300 -0.003157 -0.082251    -7.671 -0.017700 -0.793525 -0.093960
               -0.004769  0.087115  0.007080  0.006395  0.004058  0.099610
.
.
24461       0 -0.001057 -0.070401  0.973591  0.375403    -2.589  0.082279
               -0.005331  0.078230     4.811  0.217570     3.857 -0.091133
.
24461   2.300 -0.001588 -0.073518    -7.562  0.588923 -0.772825 -0.083502
               -0.004800  0.081346  0.006643  0.004050  0.003842  0.092652
.
.
24471       0  0.004551 -0.003167  0.840927  0.744320    -2.234  0.003333
               -0.007224  0.016964     5.271  0.412276     2.799 -0.018571
.
24471   2.300  0.003921 -0.047747    -7.231     1.155 -0.720439 -0.053532
               -0.006594  0.061545  0.003947  0.001933  0.003611  0.070027
.
24481       0 -0.024810  0.001944  0.628563     1.020    -1.673 -0.009907
               0.036226  0.021612     5.999  0.612321     1.086 -0.014474
.
24481   2.300  0.019295 -0.029356    -6.712     1.633 -0.689173 -0.031069
               -0.007879  0.052912 -0.000392  0.000185  0.004074  0.060864
.
.
24491       0  0.069077  0.073033     7.176     1.388    -2.104 -0.079199
               -0.017520 -0.042801 -0.006964 -0.022576  0.023024  0.050154
.
24491   2.300  0.071138  0.000465    -6.166     1.366 -0.941414  0.005022
               -0.019641  0.029767 -0.004563 -0.000969  0.008048  0.035464
.
.
24501       0  0.044323  0.044245     6.333 -0.876178    -2.704 -0.066442
               -0.009161 -0.025503  0.014219    -1.201  0.045361  0.035201
.
24501   2.300  0.058010  0.022740    -7.008 -0.919577    -3.479  0.013201
               -0.022848 -0.003998  0.015560    -1.158  0.078366 -0.001337
.
.
24601       0  0.035078  0.045557     6.863     1.506    -3.007 -0.062522
               0.000836 -0.043436 -0.043747    -2.073  0.057796  0.057720
.
24601   2.300 -0.014885  0.087705    -6.644 -0.601730    -2.641  0.125534
               0.050799 -0.085584  0.123339  0.035341  0.034497 -0.125457
.
.
```



```
.
24701       0 -0.014283 -0.083615     6.644  0.601731    -2.641  0.121239
               0.057998  0.081001 -0.123337 -0.035340  0.034496 -0.120312
.
24701   2.300  0.050462 -0.045828    -6.863    -1.506    -3.007 -0.062618
              -0.006747  0.043213  0.043752     2.073  0.057802  0.057532
.
.
24801       0  0.096326 -0.022885     7.008  0.919578    -3.479  0.013384
              -0.027486  0.003651 -0.015560     1.158  0.078367 -0.000837
.
24801   2.300  0.082552 -0.044705    -6.333  0.876180    -2.704 -0.066933
              -0.013712  0.025470 -0.014219     1.201  0.045361  0.035243
.
.
25101       0 -0.005962  0.032302     5.694  0.930785    -2.443 -0.047610
               0.007906 -0.012823  0.009816  0.686939  0.044097  0.018223
.
25101   2.300  0.044923  0.144304    -6.267  0.930219    -3.101  0.167325
              -0.042979 -0.124825  0.011350  0.687505  0.066789 -0.151912
.
.
25111       0 -0.081512  0.019314     5.448     1.561 -0.898343 -0.017091
               0.067692 -0.023445  0.007497 -0.026501  0.010366  0.022948
.
25111   2.300 -0.058654  0.038992    -6.511     1.561    -2.121  0.049286
               0.044833 -0.043123  0.007566 -0.026379  0.027650 -0.052930
.
.
25121       0 -0.020219  0.060934     5.822     1.316 -0.617912 -0.065625
               0.018929 -0.068426  0.006530 -0.025637  0.004176  0.075291
.
25121   2.300 -0.094950  0.009248 -0.548893  0.648647    -1.414  0.024560
               0.093660 -0.016741    -5.582  0.641262  0.453103 -0.032126
.
.
25131       0  0.003943  0.071951     6.218  0.960739 -0.615379 -0.081082
               0.000937 -0.078171  0.003678 -0.024417  0.002676  0.088495
.
25131   2.300 -0.014450  0.038451 -0.728756  0.480372    -1.865  0.048397
               0.019329 -0.044671    -5.009  0.455951     1.803 -0.055288
.
.
25141       0  0.009189  0.075453     6.487  0.539374 -0.648669 -0.086279
              -0.003111 -0.079630  0.000883 -0.023075  0.002287  0.091071
.
25141   2.300  0.002012  0.049800 -0.839009  0.268146    -2.146  0.057769
               0.004066 -0.053977    -4.633  0.248152     2.668 -0.062584
.
.
25151       0  0.008898  0.076228     6.594  0.087006 -0.658587 -0.087365
              -0.002752 -0.078299 -0.001287 -0.021788  0.002095  0.089719
.
25151   2.300 -0.000956  0.010083 -0.872009  0.012031    -2.228  0.011541
               0.007103 -0.012154    -4.495  0.053187     2.981 -0.013950
.
.
25161       0  0.008624  0.076399     6.530 -0.364933 -0.628090 -0.087488
              -0.002355 -0.076482 -0.002598 -0.020672  0.001870  0.087575
.
```

```
25161   2.300 -0.001404  0.012845 -0.823332 -0.220756    -2.101  0.014806
                0.007674 -0.012927    -4.608 -0.164849     2.735 -0.014908
.
.
25171       0  0.008887  0.076542     6.290 -0.785539 -0.540735 -0.087768
               -0.002527 -0.074761 -0.003048 -0.019790  0.001655  0.085659
.
25171   2.300 -0.000938  0.014043 -0.693308 -0.429370    -1.764  0.016254
                0.007299 -0.012262    -4.980 -0.375959     1.931 -0.014266
.
.
25181       0  0.004410  0.078345     5.851    -1.141 -0.350486 -0.091053
                0.000412 -0.074620 -0.002979 -0.019252  0.001837  0.086356
.
25181   2.300 -0.000675  0.014377 -0.493735 -0.593156    -1.242  0.016496
                0.005498 -0.010653    -5.618 -0.566705  0.589997 -0.012627
.
.
25191       0 -0.019494  0.068138  0.005766  0.039472 -0.010326 -0.081533
                0.016699 -0.062368     5.101    -1.447  0.128323  0.073472
.
25191   2.300  0.016165 -0.061046    -6.858    -1.447    -1.892 -0.068565
               -0.018960  0.066867  0.005760  0.039380  0.002939  0.073892
.
.
25201       0  0.090937  0.425874     6.158    -1.073    -2.702 -0.457638
               -0.066372 -0.423084 -0.040390     1.474  0.052857  0.452579
.
25201   2.300 -0.043452 -0.192496    -5.969    -1.095    -2.370 -0.251025
                0.068016  0.195287  0.127120     1.496  0.037976  0.252383
.
.
25211       0  0.011214  0.086918     6.110  0.400981    -2.066 -0.100503
               -0.002164 -0.087966 -0.019812 -0.015325  0.027054  0.100536
.
25211   2.300 -0.065846 -0.084908    -5.870  0.385629    -1.786 -0.095727
                0.074896  0.083760  0.000474  2.69E-05  0.000277  0.093119
.
.
25221       0 -0.036447  0.087926  0.599377     1.189    -1.755 -0.100196
                0.037943 -0.092213     5.291 -0.851141  0.544829  0.104666
.
25221   2.300 -0.023493 -0.002687    -6.069  0.337844    -1.415 -0.000402
                0.024990 -0.001600 -6.25E-05 -0.000129  5.07E-05 -0.004987
.
.
25231       0 -0.018580  0.088608  0.946360  0.854331    -2.369 -0.100431
                0.018334 -0.093239     4.751 -0.599425     1.884  0.105709
.
25231   2.300 -0.005000  0.003249    -6.262  0.255041    -1.133  0.004954
                0.004754 -0.007880 -4.06E-05 -0.000135  5.47E-05 -0.010326
.
.
25241       0 -0.006180  0.087058     1.167  0.450137    -2.743 -0.099615
                0.006393 -0.090056     4.403 -0.307304     2.743  0.103118
.
25241   2.300  0.001505  0.006693    -6.390  0.142975 -0.942943  0.007966
               -0.001292 -0.009690 -1.82E-05 -0.000141  5.89E-05 -0.011357
.
```

```
.
25251       0 -0.007422  0.020433     1.221 -0.006920    -2.856 -0.023141
                0.008417 -0.020975     4.294  0.020514     3.054  0.023817
.
25251   2.300  0.001337  0.038042    -7.679  0.029453 -0.906384  0.043932
               -0.000341 -0.038584     1.235 -0.015858  0.034821 -0.044503
.
.
25261       0 -0.004595  0.023049     1.137 -0.448941    -2.703 -0.026420
                0.006197 -0.020947     4.394  0.331855     2.801  0.024017
.
25261   2.300  0.002520  0.013539    -6.428 -0.116937 -0.934426  0.015490
               -0.000917 -0.011438  4.04E-06 -0.000149  4.81E-05 -0.013060
.
.
25271       0 -0.002798  0.024772  0.894485 -0.858499    -2.281 -0.028415
                0.004491 -0.020267     4.729  0.625625     1.982  0.023159
.
25271   2.300  0.002102  0.016312    -6.336 -0.232721    -1.117  0.018607
               -0.000408 -0.011808  6.35E-06 -0.000152  3.67E-05 -0.013503
.
.
25281       0 -0.001158  0.025036  0.492371    -1.200    -1.593 -0.028768
                0.001739 -0.018889     5.312  0.879875  0.617889  0.021457
.
25281   2.300  0.000643 -0.005433    -6.156 -0.320070    -1.380 -0.006389
               -6.15E-05  0.011580  1.00E-05  0.000141  2.43E-05  0.013216
.
.
25291       0 -0.006889  0.054428     6.053 -0.369938    -1.858 -0.063831
                0.004620 -0.048112 -4.28E-05 -0.000474  5.26E-05  0.056141
.
25291   2.300  0.002367 -0.041745    -5.906 -0.370881    -1.689 -0.047617
               -0.004637  0.048061  4.59E-05  0.000468  5.68E-05  0.054451
.
.
25301       0 -0.041170  0.191327     5.969     1.095    -2.370 -0.249839
                0.073481 -0.195894 -0.127125    -1.496  0.037982  0.253362
.
25301   2.300  0.105137 -0.427024    -6.158     1.073    -2.702 -0.458940
               -0.072826  0.422456  0.040386    -1.474  0.052852  0.451956
.
.
25311       0 -0.060930  0.077541     5.870 -0.385628    -1.786 -0.087734
                0.075047 -0.083931 -0.000475 -2.68E-05  0.000277  0.093309
.
25311   2.300  0.019553 -0.096349    -6.110 -0.400980    -2.066 -0.112005
               -0.005436  0.089959  0.019810  0.015326  0.027052  0.102883
.
.
25321       0 -0.023664 -0.006635     6.069 -0.337843    -1.415  0.009845
                0.025141  0.001440  6.19E-05  0.000129  5.08E-05 -0.004821
.
25321   2.300 -0.030230 -0.092062 -0.599377    -1.189    -1.755 -0.104964
                0.031707  0.086867    -5.291  0.851141  0.544824  0.098039
.
.
25331       0 -0.008440 -0.010974     6.262 -0.255041    -1.133  0.013590
                0.004793  0.007767  4.02E-05  0.000135  5.45E-05 -0.010204
```

```
.
25331   2.300 -0.012053 -0.091935 -0.946361 -0.854331    -2.369 -0.104212
               0.008406  0.088728    -4.751  0.599425     1.884  0.100223
.
.
25341       0 -0.003277 -0.010689     6.390 -0.142974 -0.942942  0.012483
              -0.001303  0.009592  1.80E-05  0.000141  5.86E-05 -0.011245
.
25341   2.300  0.000984 -0.088563    -1.167 -0.450137    -2.743 -0.101304
              -0.005565  0.087467    -4.403  0.307304     2.743  0.100019
.
.
25351       0 -0.011063 -0.038203     7.679 -0.029452 -0.306385  0.044112
               0.006891  0.039319    -1.235  0.015858  0.034824 -0.045353
.
25351   2.300 -0.000268 -0.019618    -1.221  0.006920    -2.856 -0.022204
              -0.003904  0.020734    -4.294 -0.020514     3.054  0.023530
.
.
25361       0 -0.002703 -0.007976     6.428  0.116937 -0.934422  0.009132
              -0.000923  0.011353 -4.02E-06  0.000149  4.79E-05 -0.012962
.
25361   2.300  0.001917 -0.020062    -1.137  0.448941    -2.703 -0.023147
              -0.005543  0.023439    -4.394 -0.331855     2.801  0.027085
.
.
25371       0 -0.002552 -0.006256     6.336  0.232721    -1.117  0.007226
              -0.000431  0.011727 -6.30E-06  0.000152  3.65E-05 -0.013409
.
25371   2.300  0.001307 -0.020022 -0.894485  0.858499    -2.281 -0.023307
              -0.004290  0.025492    -4.729 -0.625626     1.982  0.029706
.
.
25381       0 -0.001524  0.018542     6.156  0.320070    -1.380 -0.020984
              -6.15E-05 -0.011657 -1.01E-05 -0.000141  2.44E-05  0.013304
.
25381   2.300 -0.001323 -0.019462 -0.492371     1.200    -1.593 -0.022885
              -0.000263  0.026347    -5.312 -0.879875  0.617887  0.031039
.
.
25391       0  0.005813  0.054948     5.906  0.370880    -1.689 -0.061989
              -0.004648 -0.048099 -4.59E-05 -0.000463  5.69E-05  0.054495
.
25391   2.300 -0.003455 -0.041224    -6.053  0.369938    -1.858 -0.047838
               0.004620  0.048072  4.28E-05  0.000474  5.26E-05  0.056094
.
.
25401       0  0.079040 -0.145302     6.267 -0.930220    -3.101  0.168366
              -0.046741  0.124331 -0.011350 -0.687505  0.066789 -0.151239
.
25401   2.300  0.028166 -0.033584    -5.694 -0.930787    -2.443 -0.049167
               0.004133  0.012613 -0.009816 -0.686938  0.044097  0.018061
.
.
25411       0 -0.046936 -0.053705     6.511    -1.561    -2.121  0.063623
               0.043799  0.044675 -0.007564  0.026379  0.027648 -0.054661
.
25411   2.300 -0.069806 -0.034028    -5.448    -1.561 -0.898342 -0.036594
               0.066669  0.024998 -0.007495  0.026502  0.010366  0.024787
```

```
.
.
25421       0 -0.091580 -0.013184  0.548892 -0.648647    -1.414  0.028836
               0.083738  0.009694     5.582 -0.641261  0.453105 -0.024852
.
25421   2.300 -0.026142 -0.072902    -5.822    -1.316 -0.617911 -0.080488
               0.018300  0.069413 -0.006529  0.025637  0.004177  0.076447
.
.
25431       0 -0.011838 -0.040868  0.728755 -0.480372    -1.865  0.051181
               0.004620  0.039765     5.009 -0.455951     1.808 -0.049881
.
25431   2.300 -0.007718 -0.079740    -6.218 -0.960740 -0.615377 -0.090290
               0.000501  0.078637 -0.003677  0.024417  0.002676  0.089052
.
.
25441       0  0.004974 -0.050595  0.839007 -0.268146    -2.146  0.058711
              -0.011885  0.050847     4.633 -0.248153     2.668 -0.059026
.
25441   2.300 -0.003602 -0.079492    -6.487 -0.539374 -0.648667 -0.090957
              -0.003310  0.079744 -0.000883  0.023075  0.002288  0.091222
.
.
25451       0  0.002097 -0.009281  0.872010 -0.012031    -2.228  0.010616
              -0.009083  0.010652     4.495 -0.053187     2.981 -0.012218
.
25451   2.300 -0.004156 -0.076860    -6.594 -0.087006 -0.658585 -0.088104
              -0.002830  0.078231  0.001287  0.021788  0.002095  0.089655
.
.
25461       0  0.001397 -0.010652  0.823332  0.220757    -2.101  0.012220
              -0.008462  0.013127     4.608  0.164848     2.735 -0.015077
.
25461   2.300 -0.004681 -0.073864    -6.530  0.364933 -0.628086 -0.084586
              -0.002384  0.076339  0.002598  0.020672  0.001870  0.087421
.
.
25471       0  0.000986 -0.010929  0.693308  0.429370    -1.764  0.012546
              -0.007925  0.014573     4.980  0.375959     1.931 -0.016680
.
25471   2.300 -0.004435 -0.070956    -6.290  0.785539 -0.540733 -0.081233
              -0.002504  0.074599  0.003048  0.019790  0.001655  0.085479
.
.
25481       0 -0.000352 -0.011168  0.493735  0.593156    -1.242  0.012605
              -0.004860  0.016226     5.618  0.566705  0.590000 -0.018017
.
25481   2.300 -0.005646 -0.069423    -5.851     1.141 -0.350486 -0.079978
               0.000433  0.074481  0.002979  0.019252  0.001837  0.086198
.
.
25491       0  0.021395  0.073598     6.853     1.447    -1.892 -0.080281
              -0.018988 -0.066865 -0.005760 -0.039380  0.002939  0.073881
.
25491   2.300 -0.019522 -0.068187 -0.005766 -0.039471 -0.010326 -0.081540
               0.021929  0.074920    -5.101     1.447  0.128323  0.090625
.
.
25501       0 -0.061508  0.049924  0.032383  0.038854 -0.040807 -0.061797
```

```
                0.041991 -0.044512     3.480    -1.534     1.661  0.053701
.
25501    2.300  0.041991 -0.044512    -8.479    -1.534    -4.088 -0.048672
               -0.061508  0.049924  0.032383  0.038854  0.033670  0.053023
.
.
25601        0 -0.048533  0.105041     7.723     1.165    -3.873 -0.125294
                0.041869 -0.100139    -1.575    -1.551     1.322  0.119134
.
25601    2.300  0.041869 -0.100139    -1.575    -1.551    -2.300 -0.111178
               -0.048533  0.105041    -4.236     1.165  0.137009  0.116291
.
.
25701        0  0.031058  0.103857     1.575     1.551    -2.300 -0.115907
               -0.025989 -0.098567     4.236    -1.165  0.137010  0.110257
.
25701    2.300 -0.025989 -0.098567    -7.723    -1.165    -3.873 -0.116438
                0.031058  0.103857     1.575     1.551     1.322  0.122953
.
.
25801        0  0.080555  0.055932     8.479     1.534    -4.088 -0.058090
               -0.061671 -0.049939 -0.032382 -0.038854  0.033670  0.053024
.
25801    2.300 -0.061671 -0.049939 -0.032382 -0.038854 -0.040806 -0.061830
                0.080555  0.055932    -3.480     1.534     1.661  0.070548
.
.
.ID GWS3K2,STATIK2,1.58
.UN   M,KN
.EL !LHIP.033
.SK 3
.TP 12
.TK 6
ENVOLVENTE para < Vz > (y valores concomitantes)
(1. l¡nea: MIN., 2. l¡nea: MAX.)

Barra  Distancia        N         Vy         Vz         Mx         My         Mz
         [m]         [kN]       [kN]       [kN]     [kNm]      [kNm]      [kNm]
-------------------------------------------------------------------------------
 1101        0 -0.000482 -0.060062    -2.745 -0.548189  0.732785  0.045684
                0.006224  0.040415    29.849    -1.072  0.763095 -0.053760
.
 1101    1.270 -0.000482 -0.060062    -2.745 -0.548189    -2.753 -0.030592
                0.006224  0.040415    29.849    -1.072    38.670 -0.002434
.
.
 1102        0 -0.050827 -0.045943    -2.459 -0.572084    -2.056  0.029434
                0.062332  0.023572    24.456    -1.166    39.381 -0.070526
.
 1102    1.270 -0.050827 -0.045943    -2.459 -0.572084    -5.179 -0.028910
                0.062332  0.023572    24.456    -1.166    70.439 -0.040590
.
.
 1103        0 -0.103343 -0.046180    -1.965 -0.465826    -4.585  0.032011
                0.118588  0.028540    18.113 -0.922958    71.006 -0.106201
.
 1103    1.270 -0.103343 -0.046180    -1.965 -0.465826    -7.081 -0.026635
                0.118588  0.028540    18.113 -0.922958    94.009 -0.069956
.
```

```
.
 1104        0 -0.157708 -0.049651    -1.272 -0.296500    -6.650  0.035738
                0.174740  0.038434    11.134 -0.552913    94.384 -0.134426
.
 1104    1.270 -0.157708 -0.049651    -1.272 -0.296500    -8.266 -0.027316
                0.174740  0.038434    11.134 -0.552913   108.525 -0.085616
.
.
 1105        0 -0.214647 -0.053479 -0.448663 -0.089146    -8.044  0.037866
                0.231667  0.048540     3.782 -0.133745   108.688 -0.150730
.
 1105    1.270 -0.214647 -0.053479 -0.448663 -0.089146    -8.614 -0.030049
                0.231667  0.048540     3.782 -0.133745   113.432 -0.089086
.
.
 1106        0 -0.254203 -0.050661    -3.696  0.269817   113.430 -0.104946
                0.269092  0.051834  0.436410  0.164088    -8.617 -0.011827
.
 1106    1.270 -0.254203 -0.050661    -3.696  0.269817   108.736 -0.169283
                0.269092  0.051834  0.436410  0.164088    -8.063  0.053999
.
.
 1107        0 -0.307108 -0.045272   -11.022  0.700207   108.488 -0.109033
                0.317781  0.052564     1.275  0.380379    -8.331 -0.001460
.
 1107    1.270 -0.307108 -0.045272   -11.022  0.700207    94.490 -0.166526
                0.317781  0.052564     1.275  0.380379    -6.711  0.065294
.
.
 1108        0 -0.349037 -0.023561   -17.973     1.124    94.033 -0.122318
                0.353580  0.035715     2.004  0.569119    -7.192  0.028491
.
 1108    1.270 -0.349037 -0.023561   -17.973     1.124    71.208 -0.152240
                0.353580  0.035715     2.004  0.569119    -4.647  0.073847
.
.
 1109        0 -0.361579  0.075309   -24.351     1.586    70.566 -0.151082
                0.358580 -0.064465     2.553  0.721198    -5.295  0.082378
.
 1109    1.270 -0.361579  0.075309   -24.351     1.586    39.642 -0.055443
                0.358580 -0.064465     2.553  0.721198    -2.053  0.000511
.
.
 1110        0 -0.326315  0.333698   -30.129     2.351    38.863 -0.111496
                0.319177 -0.336627     2.874  0.844785    -2.810  0.062435
.
 1110    1.270 -0.326315  0.333698   -30.129     2.351  0.600377  0.312284
                0.319177 -0.336627     2.874  0.844785  0.840798 -0.365064
.
.
 1201        0  0.039074 -0.175040 -0.041515 -0.031720  0.004692  0.149799
               -0.039193  0.187808    52.542    -1.471    -1.112 -0.160307
.
 1201    1.270  0.039074 -0.175040 -0.041515 -0.031720 -0.048031 -0.072494
               -0.039193  0.187808    52.542    -1.471    65.613  0.078199
.
.
 1202        0  0.004632 -0.184728 -0.040783 -0.036037 -0.043752  0.126253
               -0.004390  0.198119    39.635    -1.499    64.574 -0.133610
```

1202	1.270	0.004632	-0.184728	-0.040783	-0.036037	-0.095544	-0.108342
		-0.004390	0.198119	39.635	-1.499	114.908	0.117991
1203	0	-0.037306	-0.184591	-0.037986	-0.036344	-0.092371	0.108438
		0.040109	0.193672	27.716	-1.175	114.067	-0.110014
1203	1.270	-0.037306	-0.184591	-0.037986	-0.036344	-0.140611	-0.125984
		0.040109	0.193672	27.716	-1.175	149.265	0.135940
1204	0	-0.081547	-0.184081	-0.032144	-0.036238	-0.139188	0.097779
		0.087027	0.188369	16.413	-0.709540	148.693	-0.094984
1204	1.270	-0.081547	-0.184081	-0.032144	-0.036238	-0.180010	-0.135995
		0.087027	0.188369	16.413	-0.709540	169.537	0.144235
1205	0	-0.125154	-0.185005	-0.022139	-0.036380	-0.180859	0.090997
		0.132804	0.184723	5.440	-0.173048	169.270	-0.084980
1205	1.270	-0.125154	-0.185005	-0.022139	-0.036380	-0.208974	-0.143950
		0.132804	0.184723	5.440	-0.173048	176.178	0.149609
1206	0	-0.240329	-0.175666	-5.522	0.272762	175.444	0.077268
		0.249514	0.170268	0.058964	0.073773	0.576339	-0.068536
1206	1.270	-0.240329	-0.175666	-5.522	0.272762	168.431	-0.145819
		0.249514	0.170268	0.058964	0.073773	0.651221	0.147695
1207	0	0.096404	0.092046	-16.538	0.834342	168.963	-0.042430
		-0.086104	-0.103380	0.030282	0.034794	0.491648	0.052640
1207	1.270	0.096404	0.092046	-16.538	0.834342	147.961	0.074464
		-0.086104	-0.103380	0.030282	0.034794	0.530105	-0.078647
1208	0	0.332718	0.190545	-27.984	1.336	149.352	-0.062907
		-0.320780	-0.206822	0.041882	-0.038713	-0.179204	0.070831
1208	1.270	0.332718	0.190545	-27.984	1.336	113.813	0.179075
		-0.320780	-0.206822	0.041882	-0.038713	-0.126015	-0.191822
1209	0	0.381508	0.217103	-40.032	1.584	114.773	-0.031115
		-0.366306	-0.230810	0.068078	-0.038414	-0.136139	0.030360
1209	1.270	0.381508	0.217103	-40.032	1.584	63.935	0.244595
		-0.366306	-0.230810	0.068078	-0.038414	-0.049683	-0.262758
1210	0	0.429258	0.287322	-52.654	1.528	65.091	0.094805
		-0.411154	-0.277953	0.095459	-0.037819	-0.060728	-0.109329
1210	1.270	0.429258	0.287322	-52.654	1.528	-1.777	0.459689
		-0.411154	-0.277953	0.095459	-0.037819	0.060500	-0.462315

1301	0	0.066987	-6.04E-05	-0.004820	-1.98E-08	4.66E-05	5.67E-05
		-0.066244	0.011636	55.923	-8.61E-07	-0.771810	-0.010787
1301	1.270	0.066987	-6.04E-05	-0.004820	-1.98E-08	-0.006074	-2.01E-05
		-0.066244	0.011636	55.923	-8.61E-07	70.248	0.003991
1302	0	0.067629	-0.000111	-0.004826	-1.59E-08	-0.006030	7.62E-05
		-0.066387	0.015011	44.110	1.01E-07	69.510	-0.010297
1302	1.270	0.067629	-0.000111	-0.004826	-1.59E-08	-0.012159	-6.42E-05
		-0.066387	0.015011	44.110	1.01E-07	125.527	0.008767
1303	0	0.068485	-8.97E-05	-0.004843	-3.33E-09	-0.012120	5.53E-05
		-0.066475	0.013195	31.799	-3.46E-07	124.890	-0.005890
1303	1.270	0.068485	-8.97E-05	-0.004843	-3.33E-09	-0.018271	-5.86E-05
		-0.066475	0.013195	31.799	-3.46E-07	165.273	0.010867
1304	0	0.079525	-0.000191	-0.028770	1.57E-07	0.151706	0.000109
		-0.076662	0.008379	19.151	0	164.638	-0.000708
1304	1.270	0.079525	-0.000191	-0.028770	1.57E-07	0.115170	-0.000133
		-0.076662	0.008379	19.151	0	188.959	0.009933
1305	0	0.086584	-2.38E-05	-0.061439	2.22E-07	0.134594	-2.66E-05
		-0.082267	0.003049	6.326	-7.75E-07	188.706	0.003551
1305	1.270	0.086584	-2.38E-05	-0.061439	2.22E-07	0.056493	-5.68E-05
		-0.082267	0.003049	6.326	-7.75E-07	196.740	0.007423
1306	0	0.005878	-0.002200	-6.625	2.59E-07	196.823	0.006661
		0	0	0	0	0	0
1306	1.270	0.005878	-0.002200	-6.625	2.59E-07	188.410	0.003867
		0	0	0	0	0	0
1307	0	0.006884	-0.007019	-19.405	2.96E-07	188.696	0.008546
		0.000944	-0.000132	4.25E-06	8.48E-08	-0.000455	6.58E-05
1307	1.270	0.006884	-0.007019	-19.405	2.96E-07	164.052	-0.000368
		0.000944	-0.000132	4.25E-06	8.48E-08	-0.000450	-0.000102
1308	0	0.009146	-0.010344	-31.929	1.47E-06	164.561	0.008378
		0	0	0	0	0	0
1308	1.270	0.009146	-0.010344	-31.929	1.47E-06	124.012	-0.004759
		0	0	0	0	0	0
1309	0	-0.072616	-0.012322	-44.107	1.51E-07	124.861	0.008391

		0.080924	0.002148	0.039448	1.68E-07	-0.175359	-0.002911
1309	1.270	-0.072616	-0.012322	-44.107	1.51E-07	68.848	-0.007257
		0.080924	0.002148	0.039448	1.68E-07	-0.125262	-0.000183
1310	0	-0.071226	-0.010960	-56.012	-4.50E-07	69.629	0.004826
		0.074392	0.005337	0.204872	-1.08E-06	-0.137685	-0.004063
1310	1.270	-0.071226	-0.010960	-56.012	-4.50E-07	-1.504	-0.009092
		0.074392	0.005337	0.204872	-1.08E-06	0.122492	0.002715
1401	0	0.039073	0.174982	-0.041513	0.031719	0.004691	-0.149714
		-0.037930	-0.161502	52.542	1.471	-1.112	0.138309
1401	1.270	0.039073	0.174982	-0.041513	0.031719	-0.048028	0.072505
		-0.037930	-0.161502	52.542	1.471	65.613	-0.066791
1402	0	0.004606	0.184465	-0.040780	0.036037	-0.043751	-0.126066
		-0.003705	-0.169501	39.635	1.499	64.574	0.117273
1402	1.270	0.004606	0.184465	-0.040780	0.036037	-0.095539	0.108195
		-0.003705	-0.169501	39.635	1.499	114.908	-0.097984
1403	0	-0.037380	0.184121	-0.037985	0.036344	-0.092366	-0.108168
		0.036633	-0.173036	27.716	1.175	114.067	0.104943
1403	1.270	-0.037380	0.184121	-0.037985	0.036344	-0.140605	0.125657
		0.036633	-0.173036	27.716	1.175	149.265	-0.114803
1404	0	-0.081686	0.183898	-0.032147	0.036238	-0.139180	-0.097770
		0.078938	-0.176095	16.413	0.709541	148.693	0.097962
1404	1.270	-0.081686	0.183898	-0.032147	0.036238	-0.180005	0.135771
		0.078938	-0.176095	16.413	0.709541	169.537	-0.125669
1405	0	-0.125368	0.184747	-0.022140	0.036380	-0.180848	-0.091087
		0.121786	-0.180765	5.440	0.173048	169.270	0.094129
1405	1.270	-0.125368	0.184747	-0.022140	0.036380	-0.208965	0.143532
		0.121786	-0.180765	5.440	0.173048	176.179	-0.135433
1406	0	-0.253116	0.171566	-5.523	-0.272762	175.445	-0.063811
		0.249782	-0.170443	0.058963	-0.073773	0.576337	0.069033
1406	1.270	-0.253116	0.171566	-5.523	-0.272762	168.430	0.154069
		0.249782	-0.170443	0.058963	-0.073773	0.651217	-0.147421
1407	0	0.084488	-0.104418	-16.537	-0.834342	168.963	0.060511
		-0.086521	0.103200	0.030291	-0.034793	0.491653	-0.052822
1407	1.270	0.084488	-0.104418	-16.537	-0.834342	147.962	-0.072094
		-0.086521	0.103200	0.030291	-0.034793	0.530121	0.078236
1408	0	0.321346	-0.212945	-27.985	-1.336	149.352	0.084287
		-0.321247	0.208063	0.041871	0.038713	-0.179184	-0.072726
1408	1.270	0.321346	-0.212945	-27.985	-1.336	113.812	-0.186142
		-0.321247	0.208063	0.041871	0.038713	-0.126010	0.191504
1409	0	0.368655	-0.247983	-40.032	-1.584	114.773	0.049609
		-0.367004	0.234040	0.068083	0.038414	-0.136132	-0.033309
1409	1.270	0.368655	-0.247983	-40.032	-1.584	63.934	-0.265317
		-0.367004	0.234040	0.068083	0.038414	-0.049670	0.263910
1410	0	0.411436	-0.314600	-52.654	-1.528	65.091	-0.089756
		-0.412293	0.283313	0.095454	0.037819	-0.060720	0.106373
1410	1.270	0.411436	-0.314600	-52.654	-1.528	-1.777	-0.489282
		-0.412293	0.283313	0.095454	0.037819	0.060502	0.466166
1501	0	-0.001907	0.065216	-2.745	0.548189	0.732774	-0.047080
		-0.003636	-0.084261	29.849	1.072	0.763107	0.038403
1501	1.270	-0.001907	0.065216	-2.745	0.548189	-2.753	0.035740
		-0.003636	-0.084261	29.849	1.072	38.669	-0.068603
1502	0	-0.054581	0.053548	-2.459	0.572084	-2.056	-0.026695
		0.042155	-0.074808	24.456	1.166	39.381	-0.015289
1502	1.270	-0.054581	0.053548	-2.459	0.572084	-5.179	0.041308
		0.042155	-0.074808	24.456	1.166	70.439	-0.110291
1503	0	-0.110265	0.053228	-1.965	0.465826	-4.585	-0.023125
		0.092906	-0.069453	18.114	0.922958	71.006	-0.052099
1503	1.270	-0.110265	0.053228	-1.965	0.465826	-7.081	0.044472
		0.092906	-0.069453	18.114	0.922958	94.009	-0.140301
1504	0	-0.167779	0.054896	-1.272	0.296500	-6.650	-0.021330
		0.146710	-0.064025	11.133	0.552913	94.385	-0.078759
1504	1.270	-0.167779	0.054896	-1.272	0.296500	-8.266	0.048385
		0.146710	-0.064025	11.133	0.552913	108.524	-0.160068
1505	0	-0.226851	0.055831	-0.448724	0.089146	-8.044	-0.019253
		0.203365	-0.058095	3.783	0.133745	108.688	-0.095280
1505	1.270	-0.226851	0.055831	-0.448724	0.089146	-8.614	0.051649
		0.203365	-0.058095	3.783	0.133745	113.492	-0.169057

1506	0	-0.280303	0.057183	-3.696	-0.269818	113.430	-0.151517
		0.255431	-0.052494	0.436413	-0.164088	-8.617	0.032659
1506	1.270	-0.280303	0.057183	-3.696	-0.269818	108.736	-0.078898
		0.255431	-0.052494	0.436413	-0.164088	-8.063	-0.034006
1507	0	-0.330089	0.067881	-11.022	-0.700207	108.488	-0.135494
		0.304945	-0.056136	1.275	-0.380379	-8.331	0.022348
1507	1.270	-0.330089	0.067881	-11.022	-0.700207	94.490	-0.049288
		0.304945	-0.056136	1.275	-0.380379	-6.711	-0.048942
1508	0	-0.367252	0.060783	-17.973	-1.124	94.033	-0.087618
		0.343150	-0.041850	2.004	-0.569120	-7.192	-0.009419
1508	1.270	-0.367252	0.060783	-17.973	-1.124	71.208	-0.010427
		0.343150	-0.041850	2.004	-0.569120	-4.647	-0.062567
1509	0	-0.372603	-0.028050	-24.351	-1.586	70.566	-0.002663
		0.352118	0.054815	2.553	-0.721200	-5.295	-0.066302
1509	1.270	-0.372603	-0.028050	-24.351	-1.586	39.641	-0.038285
		0.352118	0.054815	2.553	-0.721200	-2.053	0.003310
1510	0	-0.329041	-0.289091	-30.129	-2.351	38.862	0.029066
		0.317545	0.318908	2.874	-0.844786	-2.810	-0.052194
1510	1.270	-0.329041	-0.289091	-30.129	-2.351	0.600560	-0.338065
		0.317545	0.318908	2.874	-0.844786	0.840774	0.352803
2101	0	0.034901	0.191479	-3.324	-1.226	1.297	-0.276369
		-0.116762	-0.282196	34.818	-2.259	0.511122	0.342701
2101	1.390	0.034901	0.191479	-3.324	-1.226	-3.323	-0.010223
		-0.116762	-0.282196	34.818	-2.259	48.906	-0.049536
2102	0	0.025336	0.031517	-2.966	-1.071	-2.127	-0.015862
		-0.121072	-0.079644	28.288	-1.480	49.676	-0.025468
2102	1.390	0.025336	0.031517	-2.966	-1.071	-6.250	0.027945
		-0.121072	-0.079644	28.288	-1.480	88.995	-0.136169
2103	0	0.166535	-0.038451	-2.338	-0.843924	-5.228	0.053785
		-0.272585	0.011204	20.948	-1.022	89.608	-0.148481
2103	1.390	0.166535	-0.038451	-2.338	-0.843924	-8.477	0.000340
		-0.272585	0.011204	20.948	-1.022	118.724	-0.132908
2104	0	0.227810	-0.078462	-1.497	-0.544164	-7.732	0.077609
		-0.339163	0.062783	12.880	-0.604595	119.137	-0.203740
2104	1.390	0.227810	-0.078462	-1.497	-0.544164	-9.813	-0.031449
		-0.339163	0.062783	12.880	-0.604595	137.039	-0.116475
2105	0	0.137867	-0.078964	-0.524489	-0.192274	-9.418	0.071367
		-0.252860	0.071730	4.351	-0.187155	137.238	-0.215024
2105	1.390	0.137867	-0.078964	-0.524489	-0.192274	-10.147	-0.038389
		-0.252860	0.071730	4.351	-0.187155	143.285	-0.115323
2106	0	-0.542800	-0.124577	-4.357	0.178815	143.281	-0.085741
		0.422812	0.124336	0.520282	0.231575	-10.153	-0.062205
2106	1.390	-0.542800	-0.124577	-4.357	0.178815	137.225	-0.258895
		0.422812	0.124336	0.520282	0.231575	-9.430	0.110616
2107	0	-0.690713	-0.116511	-12.885	0.595136	137.033	-0.090163
		0.562278	0.122030	1.500	0.586372	-9.855	-0.048341
2107	1.390	-0.690713	-0.116511	-12.885	0.595136	119.124	-0.252112
		0.562278	0.122030	1.500	0.586372	-7.771	0.121273
2108	0	-0.824915	-0.094705	-20.956	1.011	118.719	-0.102980
		0.682967	0.103691	2.356	0.891339	-8.547	-0.011819
2108	1.390	-0.824915	-0.094705	-20.956	1.011	89.592	-0.234615
		0.682967	0.103691	2.356	0.891339	-5.272	0.132307
2109	0	-0.915537	0.011143	-28.298	1.466	88.986	-0.148265
		0.754247	-0.010505	3.012	1.128	-6.326	0.070372
2109	1.390	-0.915537	0.011143	-28.298	1.466	49.654	-0.132773
		0.754247	-0.010505	3.012	1.128	-2.139	0.055772
2110	0	-0.914771	0.320446	-34.830	2.237	48.892	-0.157508
		0.736668	-0.357545	3.408	1.308	-3.372	0.103070
2110	1.390	-0.914771	0.320446	-34.830	2.237	0.479776	0.287894
		0.736668	-0.357545	3.408	1.308	1.366	-0.393898
2201	0	0.023258	-0.029909	-0.119199	-0.011126	0.097744	-0.068262
		-0.209383	0.016195	57.913	-1.845	-2.286	0.090616
2201	1.390	0.023258	-0.029909	-0.119199	-0.011126	-0.067936	-0.109833
		-0.209383	0.016195	57.913	-1.845	78.210	0.113127
2202	0	-0.015788	-0.103425	-0.094581	-0.009977	-0.050724	0.024099
		-0.155869	0.087764	43.905	-1.863	76.775	-0.007480
2202	1.390	-0.015788	-0.103425	-0.094581	-0.009977	-0.182187	-0.119656
		-0.155869	0.087764	43.905	-1.863	137.801	0.114507

2203	0	-0.059281	-0.133068	-0.070954	-0.009177	-0.167395	0.040358
		-0.101522	0.126302	30.656	-1.522	136.627	-0.034426
2203	1.390	-0.059281	-0.133068	-0.070954	-0.009177	-0.266017	-0.144600
		-0.101522	0.126302	30.656	-1.522	179.237	0.141126
2204	0	0.370268	-0.261958	-0.069097	-0.068305	0.337840	0.157716
		-0.525332	0.259946	18.136	-0.916464	177.827	-0.155082
2204	1.390	0.370268	-0.261958	-0.069097	-0.068305	0.241799	-0.206391
		-0.525332	0.259946	18.136	-0.916464	203.034	0.206249
2205	0	0.288932	-0.414846	-0.087547	-0.096101	0.367057	0.279919
		-0.440608	0.411830	6.075	-0.234953	202.501	-0.274577
2205	1.390	0.288932	-0.414846	-0.087547	-0.096101	0.245372	-0.296694
		-0.440608	0.411830	6.075	-0.234953	210.945	0.297843
2206	0	-0.620225	-0.330865	-6.051	0.247376	210.674	0.195264
		0.470507	0.322338	0.102589	0.108769	0.523991	-0.184614
2206	1.390	-0.620225	-0.330865	-6.051	0.247376	202.264	-0.264620
		0.470507	0.322338	0.102589	0.108769	0.666584	0.263417
2207	0	-0.233151	-0.019276	-18.111	0.937335	202.883	0.033002
		0.085696	0.001338	0.074354	0.071545	0.471664	-0.016836
2207	1.390	-0.233151	-0.019276	-18.111	0.937335	177.710	0.006219
		0.085696	0.001338	0.074354	0.071545	0.575012	-0.014976
2208	0	0.294809	0.160132	-30.652	1.563	179.415	-0.014924
		-0.438182	-0.189813	0.071659	-0.009816	-0.304500	0.032545
2208	1.390	0.294809	0.160132	-30.652	1.563	136.810	0.207650
		-0.438182	-0.189813	0.071659	-0.009816	-0.204899	-0.231264
2209	0	0.342179	0.189195	-43.960	1.899	138.011	0.003729
		-0.475472	-0.221973	0.106777	-0.009042	-0.223083	0.003192
2209	1.390	0.342179	0.189195	-43.960	1.899	76.909	0.266700
		-0.475472	-0.221973	0.106777	-0.009042	-0.074670	-0.305338
2210	0	0.391601	0.279301	-58.050	1.865	78.375	0.124990
		-0.510809	-0.277174	0.143001	-0.008276	-0.095331	-0.147034
2210	1.390	0.391601	0.279301	-58.050	1.865	-2.311	0.513203
		-0.510809	-0.277174	0.143001	-0.008276	0.103432	-0.532291
2301	0	0.700464	-0.004328	-0.166721	2.03E-07	0.115795	0.001332
		-0.898169	0.014412	61.715	-1.80E-06	-2.027	-0.013987
2301	1.390	0.700464	-0.004328	-0.166721	2.03E-07	-0.115937	-0.004684
		-0.898169	0.014412	61.715	-1.80E-06	83.753	0.006045
2302	0	0.707733	-0.001366	-0.012304	-3.13E-09	-0.104472	-0.000363
		-0.895692	0.015434	48.509	8.72E-07	82.657	-0.010335
2302	1.390	0.707733	-0.001366	-0.012304	-3.13E-09	-0.121574	-0.002261
		-0.895692	0.015434	48.509	8.72E-07	150.082	0.011117
2303	0	0.200906	-4.44E-05	-0.008888	1.10E-07	0.036923	1.04E-05
		-0.375968	0.012543	35.023	9.69E-07	148.981	-0.006485
2303	1.390	0.200906	-4.44E-05	-0.008888	1.10E-07	0.024569	-5.14E-05
		-0.375968	0.012543	35.023	9.69E-07	197.661	0.010949
2304	0	0.206726	-0.000151	-0.023237	6.29E-07	0.307557	-8.15E-06
		-0.372040	0.008086	21.169	5.96E-07	196.680	-0.001353
2304	1.390	0.206726	-0.000151	-0.023237	6.29E-07	0.275259	-0.000218
		-0.372040	0.008086	21.169	5.96E-07	226.104	0.009886
2305	0	0.212885	-0.000159	-0.069322	6.19E-07	0.300507	-2.27E-05
		-0.371442	0.003056	7.123	7.15E-07	225.711	0.003015
2305	1.390	0.212885	-0.000159	-0.069322	6.19E-07	0.204154	-0.000243
		-0.371442	0.003056	7.123	7.15E-07	235.611	0.007263
2306	0	-0.605953	-0.003164	-7.156	-1.47E-08	235.664	0.007166
		0.453007	-2.46E-05	0.048864	0	0.157993	2.66E-05
2306	1.390	-0.605953	-0.003164	-7.156	-1.47E-08	225.717	0.002768
		0.453007	-2.46E-05	0.048864	0	0.225911	-7.66E-06
2307	0	-0.597080	-0.008660	-21.209	6.64E-07	226.116	0.010021
		0.450423	-8.79E-06	0.016636	1.12E-08	0.208150	2.15E-05
2307	1.390	-0.597080	-0.008660	-21.209	6.64E-07	196.637	-0.002017
		0.450423	-8.79E-06	0.016636	1.12E-08	0.231273	9.31E-06
2308	0	-0.139231	-0.012607	-35.039	7.24E-07	197.575	0.010655
		0	0	0	0	0	0
2308	1.390	-0.139231	-0.012607	-35.039	7.24E-07	148.872	-0.006869
		0	0	0	0	0	0
2309	0	-0.255866	-0.015223	-48.496	-1.57E-07	150.028	0.011107
		0.121533	0.001874	0.016976	4.83E-07	-0.207438	-0.002967
2309	1.390	-0.255866	-0.015223	-48.496	-1.57E-07	82.621	-0.010052
		0.121533	0.001874	0.016976	4.83E-07	-0.183842	-0.000362

2310	0	-0.256905	-0.014220	-61.699	8.50E-07	83.724	0.006555
		0.117280	0.006765	0.238741	-7.45E-07	-0.200889	-0.005360
2310	1.390	-0.256905	-0.014220	-61.699	8.50E-07	-2.034	-0.013210
		0.117280	0.006765	0.238741	-7.45E-07	0.130948	0.004043
2401	0	0.022427	0.024922	-0.119204	0.011125	0.097752	0.070655
		-0.227265	0.014980	57.913	1.845	-2.285	-0.124476
2401	1.390	0.022427	0.024922	-0.119204	0.011125	-0.067934	0.105295
		-0.227265	0.014980	57.913	1.845	78.210	-0.103655
2402	0	-0.016058	0.100621	-0.094576	0.009977	-0.050720	-0.023334
		-0.168825	-0.053185	43.906	1.863	76.775	-0.017056
2402	1.390	-0.016058	0.100621	-0.094576	0.009977	-0.182175	0.116523
		-0.168825	-0.053185	43.906	1.863	137.801	-0.090980
2403	0	-0.059442	0.131907	-0.070953	0.009177	-0.167384	-0.040573
		-0.115284	-0.101470	30.656	1.522	136.627	0.024491
2403	1.390	-0.059442	0.131907	-0.070953	0.009177	-0.266005	0.142771
		-0.115284	-0.101470	30.656	1.522	179.237	-0.116546
2404	0	0.370395	0.261552	-0.069095	0.068305	0.337846	-0.157752
		-0.541755	-0.245815	18.135	0.916465	177.827	0.155160
2404	1.390	0.370395	0.261552	-0.069095	0.068305	0.241808	0.205790
		-0.541755	-0.245815	18.135	0.916465	203.034	-0.186509
2405	0	0.289457	0.414236	-0.087547	0.096101	0.367060	-0.279538
		-0.459288	-0.406960	6.075	0.234954	202.501	0.281794
2405	1.390	0.289457	0.414236	-0.087547	0.096101	0.245375	0.296226
		-0.459288	-0.406960	6.075	0.234954	210.945	-0.283858
2406	0	-0.638932	0.325711	-6.050	-0.247376	210.673	-0.181267
		0.471251	-0.322007	0.102596	-0.108768	0.523983	0.184522
2406	1.390	-0.638932	0.325711	-6.050	-0.247376	202.265	0.271453
		0.471251	-0.322007	0.102596	-0.108768	0.666585	-0.263049
2407	0	-0.250663	0.005024	-18.112	-0.937334	202.884	-0.013082
		0.087031	-0.001377	0.074358	-0.071544	0.471670	0.016441
2407	1.390	-0.250663	0.005024	-18.112	-0.937334	177.710	-0.006099
		0.087031	-0.001377	0.074358	-0.071544	0.575023	0.014528
2408	0	0.281019	-0.185558	-30.652	-1.563	179.415	0.040159
		-0.438132	0.191037	0.071659	0.009817	-0.304484	-0.034699
2408	1.390	0.281019	-0.185558	-30.652	-1.563	136.811	-0.217756
		-0.438132	0.191037	0.071659	0.009817	-0.204881	0.230832
2409	0	0.328675	-0.225152	-43.960	-1.899	138.011	0.020660
		-0.475764	0.225681	0.106769	0.009044	-0.223064	-0.007051
2409	1.390	0.328675	-0.225152	-43.960	-1.899	76.909	-0.292289
		-0.475764	0.225681	0.106769	0.009044	-0.074661	0.306633
2410	0	0.371895	-0.313008	-58.050	-1.865	78.375	-0.114896
		-0.511781	0.284256	0.142989	0.008278	-0.095316	0.142204
2410	1.390	0.371895	-0.313008	-58.050	-1.865	-2.311	-0.549960
		-0.511781	0.284256	0.142989	0.008278	0.103432	0.537304
2501	0	0.032701	-0.175449	-3.324	1.226	1.297	0.264937
		-0.116914	0.229077	34.818	2.259	0.511006	-0.370946
2501	1.390	0.032701	-0.175449	-3.324	1.226	-3.323	0.021072
		-0.116914	0.229077	34.818	2.259	48.906	-0.052542
2502	0	0.017667	-0.021747	-2.966	1.071	-2.127	0.019765
		-0.132167	0.023740	28.288	1.480	49.676	-0.091691
2502	1.390	0.017667	-0.021747	-2.966	1.071	-6.250	-0.010462
		-0.132167	0.023740	28.288	1.480	88.995	-0.058693
2503	0	0.154284	0.045775	-2.338	0.843925	-5.228	-0.042014
		-0.292296	-0.055107	20.947	1.022	89.609	-0.056924
2503	1.390	0.154284	0.045775	-2.338	0.843925	-8.477	0.021611
		-0.292296	-0.055107	20.947	1.022	118.724	-0.133520
2504	0	0.211817	0.083236	-1.497	0.544164	-7.732	-0.059636
		-0.363651	-0.089872	12.880	0.604595	119.136	-0.068813
2504	1.390	0.211817	0.083236	-1.497	0.544164	-9.813	0.056058
		-0.363651	-0.089872	12.880	0.604595	137.039	-0.193730
2505	0	0.120186	0.080502	-0.524508	0.192274	-9.418	-0.048753
		-0.279799	-0.080797	4.352	0.187156	137.237	-0.098078
2505	1.390	0.120186	0.080502	-0.524508	0.192274	-10.147	0.063140
		-0.279799	-0.080797	4.352	0.187156	143.286	-0.210382
2506	0	-0.568131	0.133508	-4.357	-0.178815	143.281	-0.239935
		0.403589	-0.125875	0.520286	-0.231573	-10.153	0.087066
2506	1.390	-0.568131	0.133508	-4.357	-0.178815	137.225	-0.054366

```
          0.403589 -0.125875  0.520286 -0.231573    -9.430 -0.087893
.
.
2507      0 -0.713381  0.143493   -12.886 -0.595136   137.034 -0.220061
          0.544856 -0.126823     1.500 -0.586371    -9.855  0.073223
.
2507  1.390 -0.713381  0.143493   -12.886 -0.595136   119.124 -0.020613
          0.544856 -0.126823     1.500 -0.586371    -7.771 -0.103054
.
.
2508      0 -0.842517  0.138635   -20.955    -1.011   118.719 -0.163619
          0.669333 -0.111149     2.356 -0.891338    -8.547  0.034380
.
2508  1.390 -0.842517  0.138635   -20.955    -1.011    89.593  0.029075
          0.669333 -0.111149     2.356 -0.891338    -5.272 -0.120110
.
.
2509      0 -0.925052  0.045066   -28.298    -1.466    88.987 -0.047001
          0.746341 -0.000399     3.013    -1.128    -6.327 -0.051352
.
2509  1.390 -0.925052  0.045066   -28.298    -1.466    49.654  0.015638
          0.746341 -0.000399     3.013    -1.128    -2.139 -0.051907
.
.
2510      0 -0.913774 -0.266553   -34.830    -2.237    48.891  0.054799
          0.735821  0.337298     3.408    -1.308    -3.371 -0.089770
.
2510  1.390 -0.913774 -0.266553   -34.830    -2.237  0.479892 -0.315694
          0.735821  0.337298     3.408    -1.308     1.366  0.379055
.
.
3101      0 -0.282742  0.244983    -3.599    -2.282     2.642 -0.313430
         -0.048370 -0.381150    43.277    -1.869  0.032643  0.431687
.
3101  1.640 -0.282742  0.244983    -3.599    -2.282    -3.260  0.088326
         -0.048370 -0.381150    43.277    -1.869    71.004 -0.193374
.
.
3102      0 -0.270800 -0.015757    -3.184    -2.027 -0.804944  0.039722
         -0.094474 -0.048490    35.416    -1.116    71.521 -0.099522
.
3102  1.640 -0.270800 -0.015757    -3.184    -2.027    -6.027  0.013882
         -0.094474 -0.048490    35.416    -1.116   129.601 -0.179041
.
.
3103      0 -0.933890  0.013492    -2.485    -1.585    -3.936 -0.015266
          0.548561 -0.048803    26.317 -0.745415   129.970 -0.124545
.
3103  1.640 -0.933890  0.013492    -2.485    -1.585    -8.012  0.006860
          0.548561 -0.048803    26.317 -0.745415   173.129 -0.204579
.
.
3104      0 -0.916334  0.006905    -1.577    -1.021    -6.504 -0.013961
          0.523912 -0.026082    16.203 -0.422834   173.356 -0.175331
.
3104  1.640 -0.916334  0.006905    -1.577    -1.021    -9.089 -0.002638
          0.523912 -0.026082    16.203 -0.422834   199.929 -0.218104
.
.
```

```
3105      0 -0.897250 -0.003461 -0.549582 -0.315315    -7.933 -0.006604
          0.503205 -0.002652     5.479 -0.173559   199.667 -0.212143
.
3105  1.640 -0.897250 -0.003461 -0.549582 -0.315315    -8.834 -0.012279
          0.503205 -0.002652     5.479 -0.173559   208.651 -0.216492
.
.
3106      0  0.503144  0.002652    -5.479  0.173557   208.652 -0.216492
         -0.897282  0.003453  0.549557  0.315312    -8.834 -0.012273
.
3106  1.640  0.503144  0.002652    -5.479  0.173557   199.667 -0.212143
         -0.897282  0.003453  0.549557  0.315312    -7.933 -0.006610
.
.
3107      0  0.523977  0.026081   -16.203  0.422833   199.928 -0.218103
         -0.916340 -0.006922     1.577     1.021    -9.089 -0.002624
.
3107  1.640  0.523977  0.026081   -16.203  0.422833   173.357 -0.175332
         -0.916340 -0.006922     1.577     1.021    -6.504 -0.013975
.
.
3108      0  0.548561  0.048820   -26.317  0.745414   173.129 -0.204594
         -0.933895 -0.013491     2.485     1.585    -8.012  0.006859
.
3108  1.640  0.548561  0.048820   -26.317  0.745414   129.971 -0.124532
         -0.933895 -0.013491     2.485     1.585    -3.936 -0.015266
.
.
3109      0 -0.094503  0.048492   -35.416     1.116   129.602 -0.179044
         -0.270765  0.015782     3.184     2.027    -6.027  0.013862
.
3109  1.640 -0.094503  0.048492   -35.416     1.116    71.521 -0.099521
         -0.270765  0.015782     3.184     2.027 -0.804962  0.039744
.
.
3110      0 -0.048403  0.381132   -43.277     1.869    71.005 -0.193361
         -0.282741 -0.244966     3.599     2.282    -3.260  0.088312
.
3110  1.640 -0.048403  0.381132   -43.277     1.869  0.033494  0.431671
         -0.282741 -0.244966     3.599     2.282     2.641 -0.313415
.
.
3201      0 -0.062967  0.116882 -0.103805 -0.007269  0.132740 -0.281735
         -0.517261 -0.141326    66.191    -2.631    -3.373  0.323115
.
3201  1.640 -0.062967  0.116882 -0.103805 -0.007269 -0.037492 -0.090057
         -0.517261 -0.141326    66.191    -2.631   105.176  0.091349
.
.
3202      0 -0.072060  0.051905 -0.072448 -0.005391 -0.016951 -0.111413
         -0.473049 -0.080715    49.851    -2.589   103.119  0.144710
.
3202  1.640 -0.072060  0.051905 -0.072448 -0.005391 -0.135760 -0.026293
         -0.473049 -0.080715    49.851    -2.589   184.871  0.012342
.
.
3203      0 -0.078088  0.024268 -0.046018 -0.004219 -0.117826 -0.072977
         -0.447022 -0.033951    34.675    -2.088   183.209  0.082253
.
```

3203	1.640	-0.078088	0.024268	-0.046018	-0.004219	-0.193293	-0.033179
		-0.447022	-0.033951	34.675	-2.088	240.074	0.026576
3204	0	0.485871	-0.354761	-0.081749	-0.087843	0.644832	0.320664
		-1.002	0.354843	20.502	-1.254	238.105	-0.319825
3204	1.640	0.485871	-0.354761	-0.081749	-0.087843	0.510769	-0.261121
		-1.002	0.354843	20.502	-1.254	271.728	0.262094
3205	0	0.375557	-0.363661	-0.102361	-0.084332	0.479950	0.309388
		-0.888019	0.364634	6.853	-0.376565	271.187	-0.307878
3205	1.640	0.375557	-0.363661	-0.102361	-0.084332	0.312086	-0.286991
		-0.888019	0.364634	6.853	-0.376565	282.425	0.290097
3206	0	-0.888061	-0.364690	-6.852	0.376560	282.425	0.290147
		0.375599	0.363634	0.102369	0.084332	0.312077	-0.286972
3206	1.640	-0.888061	-0.364690	-6.852	0.376560	271.188	-0.307921
		0.375599	0.363634	0.102369	0.084332	0.479956	0.309363
3207	0	-1.002	-0.354845	-20.503	1.254	271.728	0.262099
		0.485871	0.354765	0.081743	0.087843	0.510772	-0.261127
3207	1.640	-1.002	-0.354845	-20.503	1.254	238.105	-0.319823
		0.485871	0.354765	0.081743	0.087843	0.644826	0.320664
3208	0	-0.447060	0.034073	-34.675	2.088	240.074	0.026477
		-0.078130	-0.024223	0.046013	0.004219	-0.193289	-0.033217
3208	1.640	-0.447060	0.034073	-34.675	2.088	183.210	0.082353
		-0.078130	-0.024223	0.046013	0.004219	-0.117830	-0.072941
3209	0	-0.473090	0.080670	-49.851	2.589	184.872	0.012379
		-0.072058	-0.051915	0.072449	0.005391	-0.135763	-0.026284
3209	1.640	-0.473090	0.080670	-49.851	2.589	103.119	0.144672
		-0.072058	-0.051915	0.072449	0.005391	-0.016950	-0.111422
3210	0	-0.517180	0.141279	-66.190	2.631	105.176	0.091388
		-0.062970	-0.116864	0.103809	0.007269	-0.037496	-0.090072
3210	1.640	-0.517180	0.141279	-66.190	2.631	-3.372	0.323076
		-0.062970	-0.116864	0.103809	0.007269	0.132743	-0.281720
3301	0	0.416326	-0.004735	-0.172782	3.15E-07	0.186258	0.002865
		-1.012	0.019474	70.164	3.87E-07	-3.334	-0.018995
3301	1.640	0.416326	-0.004735	-0.172782	3.15E-07	-0.097093	-0.004901
		-1.012	0.019474	70.164	3.87E-07	111.731	0.012942
3302	0	0.329442	2.74E-05	-0.007430	-4.66E-09	0.048927	-1.43E-05
		-0.905498	0.019537	54.946	1.09E-06	109.729	-0.015875
3302	1.640	0.329442	2.74E-05	-0.007430	-4.66E-09	0.036742	3.07E-05
		-0.905498	0.019537	54.946	1.09E-06	199.836	0.016165
3303	0	0.324107	3.31E-05	-0.007517	-3.35E-09	0.036717	-1.86E-05
		-0.875491	0.016922	39.487	1.10E-06	198.217	-0.010897
3303	1.640	0.324107	3.31E-05	-0.007517	-3.35E-09	0.024389	3.58E-05
		-0.875491	0.016922	39.487	1.10E-06	262.973	0.016854
3304	0	0.321399	-1.48E-05	-0.007560	-2.31E-09	0.024399	2.09E-05
		-0.857955	0.010809	23.753	4.10E-08	261.771	-0.004197
3304	1.640	0.321399	-1.48E-05	-0.007560	-2.31E-09	0.012001	-3.34E-06
		-0.857955	0.010809	23.753	4.10E-08	300.723	0.013528
3305	0	0.324968	-6.03E-05	-0.030656	1.09E-07	0.349763	-5.58E-06
		-0.855674	0.003739	7.950	-1.19E-07	299.746	0.002336
3305	1.640	0.324968	-6.03E-05	-0.030656	1.09E-07	0.299489	-0.000105
		-0.855674	0.003739	7.950	-1.19E-07	312.782	0.008468
3306	0	-0.855673	-0.003656	-7.949	1.44E-07	312.782	0.008400
		0.324967	6.17E-05	0.030656	-1.45E-07	0.299489	-0.000105
3306	1.640	-0.855673	-0.003656	-7.949	1.44E-07	299.746	0.002403
		0.324967	6.17E-05	0.030656	-1.45E-07	0.349763	-4.02E-06
3307	0	-0.857955	-0.010807	-23.752	5.59E-08	300.724	0.013528
		0.321319	-1.24E-05	0.007560	2.31E-09	0.012001	1.87E-05
3307	1.640	-0.857955	-0.010807	-23.752	5.59E-08	261.771	-0.004196
		0.321319	-1.24E-05	0.007560	2.31E-09	0.024399	-1.55E-06
3308	0	-0.875531	-0.016920	-39.487	-1.96E-06	262.973	0.016852
		0.324186	2.26E-05	0.007518	3.49E-09	0.024388	-9.95E-06
3308	1.640	-0.875531	-0.016920	-39.487	-1.96E-06	198.218	-0.010895
		0.324186	2.26E-05	0.007518	3.49E-09	0.036717	2.71E-05
3309	0	-0.905458	-0.019676	-54.946	-2.87E-07	199.837	0.016279
		0.329442	-5.53E-05	0.007430	4.44E-09	0.036742	5.36E-05
3309	1.640	-0.905458	-0.019676	-54.946	-2.87E-07	109.729	-0.015989
		0.329442	-5.53E-05	0.007430	4.44E-09	0.048927	-3.72E-05
3310	0	-1.012	-0.019419	-70.164	-4.62E-07	111.731	0.012897
		0.416247	0.004736	0.172780	-2.96E-07	-0.097093	-0.004901

3310	1.640	-1.012	-0.019419	-70.164	-4.62E-07	-3.333	-0.018949
		0.416247	0.004736	0.172780	-2.96E-07	0.186254	0.002865
3401	0	-0.063497	-0.122375	-0.103805	0.007268	0.132746	0.285791
		-0.539141	0.184180	66.190	2.631	-3.373	-0.368812
3401	1.640	-0.063497	-0.122375	-0.103805	0.007268	-0.037487	0.085105
		-0.539141	0.184180	66.190	2.631	105.176	-0.066769
3402	0	-0.071978	-0.054562	-0.072445	0.005391	-0.016945	0.112713
		-0.490456	0.123971	49.851	2.589	103.118	-0.178505
3402	1.640	-0.071978	-0.054562	-0.072445	0.005391	-0.135749	0.023234
		-0.490456	0.123971	49.851	2.589	184.871	0.024799
3403	0	-0.077844	-0.025021	-0.046018	0.004218	-0.117815	0.072832
		-0.469402	0.064492	34.674	2.088	183.210	-0.098613
3403	1.640	-0.077844	-0.025021	-0.046018	0.004218	-0.193282	0.031799
		-0.469402	0.064492	34.674	2.088	240.073	0.007150
3404	0	0.486992	0.354497	-0.081751	0.087842	0.644829	-0.320237
		-1.031	-0.337045	20.503	1.254	238.105	0.315413
3404	1.640	0.486992	0.354497	-0.081751	0.087842	0.510762	0.261115
		-1.031	-0.337045	20.503	1.254	271.728	-0.237319
3405	0	0.376529	0.363383	-0.102354	0.084332	0.479943	-0.309184
		-0.920363	-0.358344	6.853	0.376564	271.187	0.313903
3405	1.640	0.376529	0.363383	-0.102354	0.084332	0.312089	0.286740
		-0.920363	-0.358344	6.853	0.376564	282.425	-0.273756
3406	0	-0.920366	0.358288	-6.853	-0.376560	282.425	-0.273714
		0.376488	-0.363188	0.102362	-0.084332	0.312081	0.286584
3406	1.640	-0.920366	0.358288	-6.853	-0.376560	271.187	0.313855
		0.376488	-0.363188	0.102362	-0.084332	0.479948	-0.309021
3407	0	-1.031	0.337047	-20.503	-1.254	271.728	-0.237324
		0.486955	-0.354666	0.081743	-0.087842	0.510768	0.261256
3407	1.640	-1.031	0.337047	-20.503	-1.254	238.105	0.315411
		0.486955	-0.354666	0.081743	-0.087842	0.644821	-0.320372
3408	0	-0.469402	-0.064473	-34.675	-2.088	240.074	0.007134
		-0.077804	0.025086	0.046018	-0.004218	-0.193282	0.031746
3408	1.640	-0.469402	-0.064473	-34.675	-2.088	183.210	-0.098597
		-0.077804	0.025086	0.046018	-0.004218	-0.117815	0.072885

3409	0	-0.490495	-0.123980	-49.851	-2.589	184.871	0.024806
		-0.071939	0.054488	0.072444	-0.005391	-0.135749	0.023295
3409	1.640	-0.490495	-0.123980	-49.851	-2.589	103.120	-0.178513
		-0.071939	0.054488	0.072444	-0.005391	-0.016945	0.112652
3410	0	-0.539141	-0.184135	-66.191	-2.631	105.171	-0.066807
		-0.063540	0.122358	0.103801	-0.007268	-0.037485	0.085119
3410	1.640	-0.539141	-0.184135	-66.191	-2.631	-3.372	-0.368775
		-0.063540	0.122358	0.103801	-0.007268	0.132742	0.285778
3501	0	-0.285181	-0.227556	-3.599	2.282	2.642	0.297936
		-0.046868	0.311566	43.276	1.869	0.033077	-0.463514
3501	1.640	-0.285181	-0.227556	-3.599	2.282	-3.260	-0.075241
		-0.046868	0.311566	43.276	1.869	71.003	0.047433
3502	0	-0.283235	0.026619	-3.184	2.027	-0.804934	-0.039511
		-0.109925	-0.022663	35.416	1.116	71.521	-0.069580
3502	1.640	-0.283235	0.026619	-3.184	2.027	-6.027	0.004143
		-0.109925	-0.022663	35.416	1.116	129.601	-0.106746
3503	0	-0.953473	-0.005574	-2.485	1.585	-3.936	0.023519
		0.520468	-0.005703	26.317	0.745416	129.970	-0.175542
3503	1.640	-0.953473	-0.005574	-2.485	1.585	-8.012	0.014378
		0.520468	-0.005703	26.317	0.745416	173.129	-0.184895
3504	0	-0.941563	-0.001572	-1.576	1.021	-6.504	0.028747
		0.488733	-0.007715	16.203	0.422835	173.356	-0.222642
3504	1.640	-0.941563	-0.001572	-1.576	1.021	-9.089	0.026168
		0.488733	-0.007715	16.203	0.422835	199.928	-0.235295
3505	0	-0.927153	0.005355	-0.549565	0.315316	-7.933	0.025814
		0.466287	-0.008820	5.479	0.173559	199.667	-0.244394
3505	1.640	-0.927153	0.005355	-0.549565	0.315316	-8.834	0.034596
		0.466287	-0.008820	5.479	0.173559	208.652	-0.258858
3506	0	0.466283	0.008820	-5.479	-0.173557	208.652	-0.258858
		-0.927157	-0.005374	0.549542	-0.315313	-8.834	0.034612
3506	1.640	0.466283	0.008820	-5.479	-0.173557	199.667	-0.244394
		-0.927157	-0.005374	0.549542	-0.315313	-7.933	0.025798
3507	0	0.488669	0.007724	-16.203	-0.422833	199.928	-0.235302

		-0.941589	0.001598	1.577	-1.021	-9.089	0.026147
3507	1.640	0.488669	0.007724	-16.203	-0.422833	173.357	-0.222636
		-0.941589	0.001598	1.577	-1.021	-6.504	0.028768
3508	0	0.520532	0.005695	-26.318	-0.745415	173.130	-0.184889
		-0.953443	0.005537	2.485	-1.585	-8.012	0.014408
3508	1.640	0.520532	0.005695	-26.318	-0.745415	129.970	-0.175550
		-0.953443	0.005537	2.485	-1.585	-3.936	0.023489
3509	0	-0.109957	0.022670	-35.416	-1.116	129.601	-0.106752
		-0.283231	-0.026609	3.184	-2.027	-6.027	0.004134
3509	1.640	-0.109957	0.022670	-35.416	-1.116	71.522	-0.069574
		-0.283231	-0.026609	3.184	-2.027	-0.805000	-0.039502
3510	0	-0.046836	-0.311583	-43.277	-1.869	71.005	0.047448
		-0.285181	0.227531	3.599	-2.282	-3.260	-0.075220
3510	1.640	-0.046836	-0.311583	-43.277	-1.869	0.033402	-0.463528
		-0.285181	0.227531	3.599	-2.282	2.641	0.297915
4101	0	0.736658	0.357566	-3.408	-1.308	1.366	-0.393910
		-0.914765	-0.320440	34.830	-2.237	0.478769	0.287888
4101	1.390	0.736658	0.357566	-3.408	-1.308	-3.371	0.103087
		-0.914765	-0.320440	34.830	-2.237	48.890	-0.157505
4102	0	0.754284	0.010526	-3.013	-1.128	-2.139	0.055759
		-0.915576	-0.011136	28.299	-1.466	49.652	-0.132784
4102	1.390	0.754284	0.010526	-3.013	-1.128	-6.326	0.070390
		-0.915576	-0.011136	28.299	-1.466	88.986	-0.148262
4103	0	0.682928	-0.103670	-2.357	-0.891340	-5.272	0.132294
		-0.824872	0.094729	20.955	-1.011	89.592	-0.234634
4103	1.390	0.682928	-0.103670	-2.357	-0.891340	-8.547	-0.011801
		-0.824872	0.094729	20.955	-1.011	118.718	-0.102965
4104	0	0.562239	-0.122127	-1.499	-0.586373	-7.771	0.121343
		-0.690714	0.116439	12.885	-0.595138	119.124	-0.252064
4104	1.390	0.562239	-0.122127	-1.499	-0.586373	-9.855	-0.048406
		-0.690714	0.116439	12.885	-0.595138	137.033	-0.090220
4105	0	0.422880	-0.124302	-0.520365	-0.231576	-9.430	0.110594
		-0.542838	0.124615	4.357	-0.178817	137.225	-0.258924
4105	1.390	0.422880	-0.124302	-0.520365	-0.231576	-10.153	-0.062178
		-0.542838	0.124615	4.357	-0.178817	143.281	-0.085716
4106	0	-0.252855	-0.071694	-4.351	0.187153	143.285	-0.115348
		0.137870	0.078981	0.524470	0.192272	-10.147	-0.038402
4106	1.390	-0.252855	-0.071694	-4.351	0.187153	137.238	-0.214998
		0.137870	0.078981	0.524470	0.192272	-9.418	0.071378
4107	0	-0.339160	-0.062806	-12.880	0.604592	137.039	-0.116459
		0.227850	0.078500	1.497	0.544163	-9.813	-0.031476
4107	1.390	-0.339160	-0.062806	-12.880	0.604592	119.137	-0.203756
		0.227850	0.078500	1.497	0.544163	-7.732	0.077635
4108	0	-0.272585	-0.011234	-20.947	1.022	118.725	-0.132888
		0.166456	0.038480	2.338	0.843923	-8.477	0.000320
4108	1.390	-0.272585	-0.011234	-20.947	1.022	89.610	-0.148503
		0.166456	0.038480	2.338	0.843923	-5.228	0.053805
4109	0	-0.121070	0.079640	-28.288	1.480	88.996	-0.136168
		0.025338	-0.031557	2.966	1.071	-6.250	0.027974
4109	1.390	-0.121070	0.079640	-28.288	1.480	49.677	-0.025473
		0.025338	-0.031557	2.966	1.071	-2.127	-0.015889
4110	0	-0.116762	0.282243	-34.817	2.259	48.906	-0.049571
		0.034936	-0.191512	3.324	1.226	-3.323	-0.010200
4110	1.390	-0.116762	0.282243	-34.817	2.259	0.511889	0.342731
		0.034936	-0.191512	3.324	1.226	1.297	-0.276390
4201	0	-0.510809	0.277437	-0.142998	0.008276	0.103431	-0.532473
		0.391556	-0.279338	58.050	-1.865	-2.312	0.513229
4201	1.390	-0.510809	0.277437	-0.142998	0.008276	-0.095328	-0.146852
		0.391556	-0.279338	58.050	-1.865	78.375	0.124965
4202	0	-0.475472	0.221920	-0.106772	0.009042	-0.074672	-0.305302
		0.342131	-0.189235	43.960	-1.899	76.909	0.266729
4202	1.390	-0.475472	0.221920	-0.106772	0.009042	-0.223079	0.003155
		0.342131	-0.189235	43.960	-1.899	138.011	0.003702
4203	0	-0.438178	0.189808	-0.071649	0.009816	-0.204905	-0.231281
		0.294899	-0.160081	30.652	-1.563	136.810	0.207616
4203	1.390	-0.438178	0.189808	-0.071649	0.009816	-0.304493	0.032542
		0.294899	-0.160081	30.652	-1.563	179.415	-0.014887

4204	0	0.085693	-0.001537	-0.074334	-0.071545	0.574997	-0.014839
		-0.233245	0.019406	18.112	-0.937338	177.710	0.006119
4204	1.390	0.085693	-0.001537	-0.074334	-0.071545	0.471677	-0.016975
		-0.233245	0.019406	18.112	-0.937338	202.884	0.033092
4205	0	0.470507	-0.322301	-0.102605	-0.108769	0.666595	0.263393
		-0.620125	0.330848	6.049	-0.247379	202.265	-0.264609
4205	1.390	0.470507	-0.322301	-0.102605	-0.108769	0.523980	-0.184587
		-0.620125	0.330848	6.049	-0.247379	210.673	0.195251
4206	0	-0.440607	-0.411865	-6.075	0.234950	210.945	0.297870
		0.288883	0.414833	0.087548	0.096101	0.245371	-0.296688
4206	1.390	-0.440607	-0.411865	-6.075	0.234950	202.501	-0.274599
		0.288883	0.414833	0.087548	0.096101	0.367058	0.279907
4207	0	-0.525334	-0.260170	-18.135	0.916461	203.034	0.206406
		0.370272	0.261883	0.069101	0.068305	0.241796	-0.206340
4207	1.390	-0.525334	-0.260170	-18.135	0.916461	177.827	-0.155216
		0.370272	0.261883	0.069101	0.068305	0.337843	0.157663
4208	0	-0.101523	-0.126031	-30.655	1.522	179.237	0.140939
		-0.059281	0.133186	0.070953	0.009177	-0.266016	-0.144682
4208	1.390	-0.101523	-0.126031	-30.655	1.522	136.628	-0.034237
		-0.059281	0.133186	0.070953	0.009177	-0.167396	0.040439
4209	0	-0.155870	-0.087679	-43.905	1.863	137.801	0.114449
		-0.015788	0.103341	0.094583	0.009977	-0.182188	-0.119598
4209	1.390	-0.155870	-0.087679	-43.905	1.863	76.776	-0.007420
		-0.015788	0.103341	0.094583	0.009977	-0.050724	0.024040
4210	0	-0.209380	-0.016086	-57.913	1.845	78.211	0.113051
		0.023257	0.029892	0.119204	0.011126	-0.067941	-0.109822
4210	1.390	-0.209380	-0.016086	-57.913	1.845	-2.285	0.090693
		0.023257	0.029892	0.119204	0.011126	0.097746	-0.068274
4301	0	0.117280	-0.006674	-0.238754	7.26E-07	0.130958	0.003979
		-0.256858	0.014174	61.699	-9.57E-07	-2.034	-0.013178
4301	1.390	0.117280	-0.006674	-0.238754	7.26E-07	-0.200896	-0.005296
		-0.256858	0.014174	61.699	-9.57E-07	83.723	0.006523
4302	0	0.121533	-0.001874	-0.016980	-4.61E-07	-0.183840	-0.000363
		-0.255913	0.015317	48.496	-5.03E-07	82.621	-0.010117
4302	1.390	0.121533	-0.001874	-0.016980	-4.61E-07	-0.207441	-0.002967
		-0.255913	0.015317	48.496	-5.03E-07	150.027	0.011173
4303	0	0	0	0	0	0	0
		-0.139230	0.012655	35.040	-7.26E-07	148.872	-0.006903
4303	1.390	0	0	0	0	0	0
		-0.139230	0.012655	35.040	-7.26E-07	197.575	0.010688
4304	0	0.450376	7.79E-06	-0.016636	-7.45E-09	0.231273	9.78E-06
		-0.597081	0.008569	21.209	-7.15E-07	196.637	-0.001953
4304	1.390	0.450376	7.79E-06	-0.016636	-7.45E-09	0.208150	2.06E-05
		-0.597081	0.008569	21.209	-7.15E-07	226.116	0.009957
4305	0	0.453007	2.26E-05	-0.048870	2.24E-08	0.225916	-6.27E-06
		-0.605953	0.003074	7.156	-6.56E-07	225.718	0.002831
4305	1.390	0.453007	2.26E-05	-0.048870	2.24E-08	0.157989	2.52E-05
		-0.605953	0.003074	7.156	-6.56E-07	235.664	0.007103
4306	0	-0.371441	-0.002645	-7.124	0	235.612	0.006977
		0.212931	0.000135	0.069321	-6.22E-07	0.204153	-0.000227
4306	1.390	-0.371441	-0.002645	-7.124	0	225.710	0.003301
		0.212931	0.000135	0.069321	-6.22E-07	0.300506	-3.87E-05
4307	0	-0.371992	-0.008499	-21.169	6.71E-08	226.104	0.010173
		0.206725	0.000149	0.023238	-6.30E-07	0.275258	-0.000217
4307	1.390	-0.371992	-0.008499	-21.169	6.71E-08	196.681	-0.001640
		0.206725	0.000149	0.023238	-6.30E-07	0.307557	-9.52E-06
4308	0	-0.376015	-0.012634	-35.022	-1.08E-06	197.660	0.011012
		0.200905	6.43E-05	0.008888	-1.10E-07	0.024569	-6.50E-05
4308	1.390	-0.376015	-0.012634	-35.022	-1.08E-06	148.981	-0.006549
		0.200905	6.43E-05	0.008888	-1.10E-07	0.036923	2.44E-05
4309	0	-0.895692	-0.015342	-48.509	-9.54E-07	150.082	0.011053
		0.707779	0.001365	0.012294	2.61E-08	-0.121567	-0.002260
4309	1.390	-0.895692	-0.015342	-48.509	-9.54E-07	82.658	-0.010272
		0.707779	0.001365	0.012294	2.61E-08	-0.104479	-0.000363
4310	0	-0.898168	-0.014596	-61.715	2.15E-06	83.753	0.006172
		0.700369	0.004373	0.166729	-1.81E-07	-0.115945	-0.004715
4310	1.390	-0.898168	-0.014596	-61.715	2.15E-06	-2.027	-0.014115
		0.700369	0.004373	0.166729	-1.81E-07	0.115799	0.001363

4401	0	-0.511783	-0.284245	-0.143002	-0.008278	0.103441	0.537296
		0.371895	0.312861	58.050	1.865	-2.311	-0.549858
4401	1.390	-0.511783	-0.284245	-0.143002	-0.008278	-0.095324	0.142212
		0.371895	0.312861	58.050	1.865	78.375	-0.114998
4402	0	-0.475713	-0.225629	-0.106774	-0.009044	-0.074657	0.306598
		0.328531	0.225374	43.960	1.899	76.909	-0.292444
4402	1.390	-0.475713	-0.225629	-0.106774	-0.009044	-0.223067	-0.007014
		0.328531	0.225374	43.960	1.899	138.011	0.020813
4403	0	-0.438132	-0.191124	-0.071654	-0.009817	-0.204885	0.230893
		0.281161	0.185552	30.652	1.563	136.810	-0.217753
4403	1.390	-0.438132	-0.191124	-0.071654	-0.009817	-0.304480	-0.034758
		0.281161	0.185552	30.652	1.563	179.415	0.040154
4404	0	0.087031	0.001394	-0.074320	0.071544	0.574996	0.014516
		-0.250713	-0.005110	18.111	0.937338	177.710	-0.006040
4404	1.390	0.087031	0.001394	-0.074320	0.071544	0.471695	0.016454
		-0.250713	-0.005110	18.111	0.937338	202.883	-0.013142
4405	0	0.471250	0.321971	-0.102616	0.108768	0.666598	-0.263025
		-0.638883	-0.325653	6.051	0.247379	202.264	0.271413
4405	1.390	0.471250	0.321971	-0.102616	0.108768	0.523968	0.184496
		-0.638883	-0.325653	6.051	0.247379	210.674	-0.181226
4406	0	-0.459289	0.406949	-6.075	-0.234951	210.945	-0.283852
		0.289457	-0.414295	0.087535	-0.096101	0.245384	0.296270
4406	1.390	-0.459289	0.406949	-6.075	-0.234951	202.501	0.281784
		0.289457	-0.414295	0.087535	-0.096101	0.367052	-0.279577
4407	0	-0.541754	0.246131	-18.135	-0.916463	203.034	-0.186730
		0.370393	-0.261527	0.069106	-0.068305	0.241801	0.205774
4407	1.390	-0.541754	0.246131	-18.135	-0.916463	177.827	0.155379
		0.370393	-0.261527	0.069106	-0.068305	0.337854	-0.157734
4408	0	-0.115285	0.101201	-30.656	-1.522	179.237	-0.116361
		-0.059439	-0.131868	0.070949	-0.009177	-0.266003	0.142745
4408	1.390	-0.115285	0.101201	-30.656	-1.522	136.627	0.024304
		-0.059439	-0.131868	0.070949	-0.009177	-0.167387	-0.040545
4409	0	-0.168872	0.053194	-43.905	-1.863	137.801	-0.090987
		-0.016058	-0.100537	0.094574	-0.009977	-0.182174	0.116466
4409	1.390	-0.168872	0.053194	-43.905	-1.863	76.776	-0.017051
		-0.016058	-0.100537	0.094574	-0.009977	-0.050722	-0.023275
4410	0	-0.227217	-0.014721	-57.913	-1.845	78.211	-0.103835
		0.022425	-0.025066	0.119202	-0.011125	-0.067934	0.105396
4410	1.390	-0.227217	-0.014721	-57.913	-1.845	-2.285	-0.124296
		0.022425	-0.025066	0.119202	-0.011125	0.097750	0.070555
4501	0	0.735896	-0.337318	-3.408	1.308	1.366	0.379067
		-0.913767	0.266546	34.830	2.237	0.478820	-0.315687
4501	1.390	0.735896	-0.337318	-3.408	1.308	-3.371	-0.089787
		-0.913767	0.266546	34.830	2.237	48.890	0.054797
4502	0	0.746335	0.000408	-3.013	1.128	-2.139	-0.051915
		-0.925055	-0.045001	28.299	1.466	49.652	0.015596
4502	1.390	0.746335	0.000408	-3.013	1.128	-6.326	-0.051349
		-0.925055	-0.045001	28.299	1.466	88.986	-0.046952
4503	0	0.669292	0.111202	-2.357	0.891340	-5.272	-0.120150
		-0.842550	-0.138643	20.954	1.011	89.592	0.029084
4503	1.390	0.669292	0.111202	-2.357	0.891340	-8.547	0.034414
		-0.842550	-0.138643	20.954	1.011	118.718	-0.163622
4504	0	0.544893	0.126773	-1.499	0.586372	-7.771	-0.103022
		-0.713338	-0.143480	12.885	0.595138	119.124	-0.020620
4504	1.390	0.544893	0.126773	-1.499	0.586372	-9.855	0.073185
		-0.713338	-0.143480	12.885	0.595138	137.033	-0.220050
4505	0	0.403586	0.125855	-0.520328	0.231575	-9.430	-0.087881
		-0.568165	-0.133541	4.358	0.178817	137.224	-0.054340
4505	1.390	0.403586	0.125855	-0.520328	0.231575	-10.153	0.087050
		-0.568165	-0.133541	4.358	0.178817	143.282	-0.239955
4506	0	-0.279802	0.080792	-4.352	-0.187154	143.286	-0.210379
		0.120144	-0.080482	0.524471	-0.192273	-10.147	0.063127
4506	1.390	-0.279802	0.080792	-4.352	-0.187154	137.237	-0.098082
		0.120144	-0.080482	0.524471	-0.192273	-9.418	-0.048738
4507	0	-0.363644	0.089880	-12.880	-0.604593	137.039	-0.193737
		0.211855	-0.083283	1.497	-0.544163	-9.813	0.056091
4507	1.390	-0.363644	0.089880	-12.880	-0.604593	119.137	-0.068808
		0.211855	-0.083283	1.497	-0.544163	-7.732	-0.059667

4508	0	-0.292334	0.055166	-20.948	-1.022	118.725	-0.133561
		0.154315	-0.045723	2.338	-0.843924	-8.477	0.021575
4508	1.390	-0.292334	0.055166	-20.948	-1.022	89.609	-0.056883
		0.154315	-0.045723	2.338	-0.843924	-5.228	-0.041978
4509	0	-0.132129	-0.023780	-28.288	-1.480	88.996	-0.058665
		0.017629	0.021727	2.966	-1.071	-6.250	-0.010449
4509	1.390	-0.132129	-0.023780	-28.288	-1.480	49.677	-0.091718
		0.017629	0.021727	2.966	-1.071	-2.127	0.019750
4510	0	-0.116911	-0.229020	-34.817	-2.259	48.906	-0.052581
		0.032701	0.175445	3.324	-1.226	-3.323	0.021074
4510	1.390	-0.116911	-0.229020	-34.817	-2.259	0.511924	-0.370906
		0.032701	0.175445	3.324	-1.226	1.297	0.264932
5101	0	0.319175	0.336622	-2.874	-0.844781	0.840714	-0.365062
		-0.326359	-0.333712	30.128	-2.351	0.600612	0.312292
5101	1.270	0.319175	0.336622	-2.874	-0.844781	-2.810	0.062432
		-0.326359	-0.333712	30.128	-2.351	38.862	-0.111505
5102	0	0.358580	0.064386	-2.553	-0.721194	-2.053	0.000560
		-0.361534	-0.075270	24.351	-1.586	39.641	-0.055467
5102	1.270	0.358580	0.064386	-2.553	-0.721194	-5.295	0.082327
		-0.361534	-0.075270	24.351	-1.586	70.566	-0.151056
5103	0	0.353578	-0.035659	-2.004	-0.569116	-4.647	0.073810
		-0.349079	0.023535	17.973	-1.124	71.208	-0.152222
5103	1.270	0.353578	-0.035659	-2.004	-0.569116	-7.192	0.028525
		-0.349079	0.023535	17.973	-1.124	94.033	-0.122334
5104	0	0.317781	-0.052574	-1.275	-0.380376	-6.711	0.065300
		-0.307066	0.045272	11.023	-0.700205	94.490	-0.166525
5104	1.270	0.317781	-0.052574	-1.275	-0.380376	-8.331	-0.001467
		-0.307066	0.045272	11.023	-0.700205	108.488	-0.109033
5105	0	0.269089	-0.051792	-0.436463	-0.164086	-8.063	0.053972
		-0.254196	0.050637	3.697	-0.269816	108.736	-0.169267
5105	1.270	0.269089	-0.051792	-0.436463	-0.164086	-8.617	-0.011801
		-0.254196	0.050637	3.697	-0.269816	113.430	-0.104961
5106	0	0.231662	-0.048556	-3.783	0.133747	113.492	-0.089077
		-0.214687	0.053480	0.448752	0.089146	-8.614	-0.030049
5106	1.270	0.231662	-0.048556	-3.783	0.133747	108.688	-0.150740
		-0.214687	0.053480	0.448752	0.089146	-8.044	0.037868
5107	0	0.174740	-0.038375	-11.134	0.552915	108.524	-0.085655
		-0.157672	0.049630	1.272	0.296499	-8.266	-0.027302
5107	1.270	0.174740	-0.038375	-11.134	0.552915	94.384	-0.134389
		-0.157672	0.049630	1.272	0.296499	-6.650	0.035725
5108	0	0.118587	-0.028576	-18.114	0.922960	94.009	-0.069934
		-0.103380	0.046173	1.965	0.465823	-7.081	-0.026630
5108	1.270	0.118587	-0.028576	-18.114	0.922960	71.005	-0.106224
		-0.103380	0.046173	1.965	0.465823	-4.585	0.032007
5109	0	0.062337	-0.023552	-24.456	1.166	70.438	-0.040604
		-0.050787	0.045897	2.459	0.572080	-5.179	-0.028881
5109	1.270	0.062337	-0.023552	-24.456	1.166	39.381	-0.070513
		-0.050787	0.045897	2.459	0.572080	-2.056	0.029406
5110	0	0.006218	-0.040413	-29.849	1.072	38.670	-0.002437
		-0.000484	0.060084	2.745	0.548186	-2.753	-0.030605
5110	1.270	0.006218	-0.040413	-29.849	1.072	0.762630	-0.053759
		-0.000484	0.060084	2.745	0.548186	0.732801	0.045698
5201	0	-0.411150	0.278083	-0.095472	0.037819	0.060507	-0.462396
		0.429204	-0.287275	52.654	-1.528	-1.777	0.459656
5201	1.270	-0.411150	0.278083	-0.095472	0.037819	-0.060737	-0.109244
		0.429204	-0.287275	52.654	-1.528	65.091	0.094832
5202	0	-0.366306	0.230947	-0.068077	0.038414	-0.049685	-0.262843
		0.381505	-0.217243	40.032	-1.584	63.934	0.244683
5202	1.270	-0.366306	0.230947	-0.068077	0.038414	-0.136139	0.030448
		0.381505	-0.217243	40.032	-1.584	114.773	-0.031205
5203	0	-0.320778	0.206544	-0.041877	0.038713	-0.126020	-0.191644
		0.332718	-0.190116	27.985	-1.336	113.812	0.178801
5203	1.270	-0.320778	0.206544	-0.041877	0.038713	-0.179201	0.070657
		0.332718	-0.190116	27.985	-1.336	149.352	-0.062637
5204	0	-0.086107	0.103494	-0.030280	-0.034794	0.530102	-0.078719
		0.096455	-0.092249	16.537	-0.834337	147.962	0.074592
5204	1.270	-0.086107	0.103494	-0.030280	-0.034794	0.491649	0.052712

		0.096455	-0.092249	16.537	-0.834337	168.962	-0.042559
5205	0	0.249513	-0.170166	-0.058946	-0.073773	0.651215	0.147631
		-0.240277	0.175566	5.524	-0.272758	168.430	-0.145755
5205	1.270	0.249513	-0.170166	-0.058946	-0.073773	0.576357	-0.068471
		-0.240277	0.175566	5.524	-0.272758	175.445	0.077204
5206	0	0.132751	-0.184566	-5.440	0.173049	176.178	0.149509
		-0.125152	0.184984	0.022145	0.036380	-0.208980	-0.143936
5206	1.270	0.132751	-0.184566	-5.440	0.173049	169.269	-0.084881
		-0.125152	0.184984	0.022145	0.036380	-0.180857	0.090983
5207	0	0.087027	-0.188397	-16.413	0.709539	169.537	0.144253
		-0.081549	0.183986	0.032143	0.036238	-0.180012	-0.135934
5207	1.270	0.087027	-0.188397	-16.413	0.709539	148.693	-0.095001
		-0.081549	0.183986	0.032143	0.036238	-0.139192	0.097718
5208	0	0.040109	-0.193700	-27.716	1.175	149.266	0.135958
		-0.037308	0.184408	0.037988	0.036344	-0.140614	-0.125867
5208	1.270	0.040109	-0.193700	-27.716	1.175	114.068	-0.110031
		-0.037308	0.184408	0.037988	0.036344	-0.092372	0.108321
5209	0	-0.004341	-0.198088	-39.635	1.499	114.909	0.117971
		0.004636	0.184769	0.040782	0.036037	-0.095547	-0.108368
5209	1.270	-0.004341	-0.198088	-39.635	1.499	64.575	-0.133591
		0.004636	0.184769	0.040782	0.036037	-0.043755	0.126279
5210	0	-0.039241	-0.188075	-52.542	1.471	65.614	0.078369
		0.039074	0.175365	0.041516	0.031720	-0.048034	-0.072699
5210	1.270	-0.039241	-0.188075	-52.542	1.471	-1.111	-0.160476
		0.039074	0.175365	0.041516	0.031720	0.004689	0.150005
5301	0	0.074392	-0.005578	-0.204865	1.08E-06	0.122489	0.002868
		-0.071278	0.011020	56.012	0	-1.504	-0.009130
5301	1.270	0.074392	-0.005578	-0.204865	1.08E-06	-0.137680	-0.004216
		-0.071278	0.011020	56.012	0	69.628	0.004864
5302	0	0.080923	-0.002151	-0.039444	-1.43E-07	-0.125263	-0.000181
		-0.072616	0.012383	44.107	-4.77E-07	68.847	-0.007296
5302	1.270	0.080923	-0.002151	-0.039444	-1.43E-07	-0.175355	-0.002913
		-0.072616	0.012383	44.107	-4.77E-07	124.861	0.008430
5303	0	0	0	0	0	0	0
		0.009197	0.010613	31.929	-3.58E-07	124.012	-0.004929
5303	1.270	0	0	0	0	0	0
		0.009197	0.010613	31.929	-3.58E-07	164.560	0.008549
5304	0	0.000944	1.24E-05	-4.25E-06	-8.44E-08	-0.000450	-2.60E-05
		0.006935	0.006748	19.405	-2.38E-07	164.052	-0.000195
5304	1.270	0.000944	1.24E-05	-4.25E-06	-8.44E-08	-0.000455	-1.03E-05
		0.006935	0.006748	19.405	-2.38E-07	188.695	0.008374
5305	0	0	0	0	0	0	0
		0.005826	0.002243	6.624	-2.98E-07	188.410	0.003839
5305	1.270	0	0	0	0	0	0
		0.005826	0.002243	6.624	-2.98E-07	196.823	0.006688
5306	0	-0.082267	-0.003048	-6.325	-7.45E-07	196.739	0.007423
		0.086533	0.000158	0.061495	-1.97E-07	0.056498	-0.000141
5306	1.270	-0.082267	-0.003048	-6.325	-7.45E-07	188.706	0.003551
		0.086533	0.000158	0.061495	-1.97E-07	0.134593	5.90E-05
5307	0	-0.076611	-0.008379	-19.151	7.15E-07	188.959	0.009933
		0.079575	1.14E-05	0.028772	-1.60E-07	0.115170	-1.94E-05
5307	1.270	-0.076611	-0.008379	-19.151	7.15E-07	164.638	-0.000708
		0.079575	1.14E-05	0.028772	-1.60E-07	0.151709	-4.85E-06
5308	0	-0.066527	-0.012957	-31.798	0	165.273	0.010716
		0.068485	0.000223	0.004843	3.26E-09	-0.018271	-0.000144
5308	1.270	-0.066527	-0.012957	-31.798	0	124.891	-0.005739
		0.068485	0.000223	0.004843	3.26E-09	-0.012121	0.000140
5309	0	-0.066336	-0.015131	-44.110	7.15E-07	125.528	0.008844
		0.067629	-1.04E-05	0.004826	1.58E-08	-0.012159	1.30E-05
5309	1.270	-0.066336	-0.015131	-44.110	7.15E-07	69.510	-0.010372
		0.067629	-1.04E-05	0.004826	1.58E-08	-0.006030	-1.60E-07
5310	0	-0.066296	-0.011638	-55.923	4.77E-07	70.248	0.003991
		0.066988	4.57E-05	0.004820	1.97E-08	-0.006075	-1.09E-05
5310	1.270	-0.066296	-0.011638	-55.923	4.77E-07	-0.771152	-0.010788
		0.066988	4.57E-05	0.004820	1.97E-08	4.65E-05	4.72E-05
5401	0	-0.412290	-0.283323	-0.095450	-0.037819	0.060498	0.466170
		0.411382	0.314431	52.654	1.528	-1.777	-0.489172

5401	1.270	-0.412290	-0.283323	-0.095450	-0.037819	-0.060719	0.106365
		0.411382	0.314431	52.654	1.528	65.091	-0.089861
5402	0	-0.367004	-0.234057	-0.068082	-0.038414	-0.049671	0.263919
		0.368803	0.248092	40.032	1.584	63.934	-0.265385
5402	1.270	-0.367004	-0.234057	-0.068082	-0.038414	-0.136132	-0.033321
		0.368803	0.248092	40.032	1.584	114.773	0.049680
5403	0	-0.321246	-0.207906	-0.041875	-0.038713	-0.126009	0.191402
		0.321394	0.212906	27.984	1.336	113.813	-0.186116
5403	1.270	-0.321246	-0.207906	-0.041875	-0.038713	-0.179187	-0.072628
		0.321394	0.212906	27.984	1.336	149.351	0.084264
5404	0	-0.086520	-0.103194	-0.030280	0.034793	0.530113	0.078232
		0.084487	0.104262	16.537	0.834338	147.962	-0.071994
5404	1.270	-0.086520	-0.103194	-0.030280	0.034793	0.491659	-0.052819
		0.084487	0.104262	16.537	0.834338	168.962	0.060413
5405	0	0.249781	0.170221	-0.058944	0.073773	0.651211	-0.147280
		-0.253166	-0.171465	5.523	0.272758	168.430	0.154004
5405	1.270	0.249781	0.170221	-0.058944	0.073773	0.576355	0.068892
		-0.253166	-0.171465	5.523	0.272758	175.444	-0.063747
5406	0	0.121734	0.180786	-5.440	-0.173050	176.178	-0.135446
		-0.125316	-0.184890	0.022138	-0.036380	-0.208967	0.143622
5406	1.270	0.121734	0.180786	-5.440	-0.173050	169.270	0.094143
		-0.125316	-0.184890	0.022138	-0.036380	-0.180852	-0.091177
5407	0	0.079041	0.176180	-16.413	-0.709540	169.537	-0.125723
		-0.081684	-0.183624	0.032144	-0.036238	-0.180006	0.135596
5407	1.270	0.079041	0.176180	-16.413	-0.709540	148.693	0.098017
		-0.081684	-0.183624	0.032144	-0.036238	-0.139184	-0.097597
5408	0	0.036581	0.173181	-27.716	-1.175	149.266	-0.114896
		-0.037380	-0.184225	0.037986	-0.036344	-0.140608	0.125723
5408	1.270	0.036581	0.173181	-27.716	-1.175	114.068	0.105035
		-0.037380	-0.184225	0.037986	-0.036344	-0.092368	-0.108234
5409	0	-0.003655	0.169704	-39.635	-1.499	114.909	-0.098113
		0.004607	-0.184476	0.040780	-0.036037	-0.095542	0.108202
5409	1.270	-0.003655	0.169704	-39.635	-1.499	64.575	0.117402
		0.004607	-0.184476	0.040780	-0.036037	-0.043754	-0.126073
5410	0	-0.037984	0.160986	-52.542	-1.471	65.614	-0.066462
		0.039074	-0.175126	0.041513	-0.031719	-0.048031	0.072595
5410	1.270	-0.037984	0.160986	-52.542	-1.471	-1.111	0.137981
		0.039074	-0.175126	0.041513	-0.031719	0.004688	-0.149805
5501	0	0.317547	-0.318885	-2.874	0.844782	0.840783	0.352788
		-0.329036	0.289048	30.128	2.351	0.600712	-0.338038
5501	1.270	0.317547	-0.318885	-2.874	0.844782	-2.810	-0.052179
		-0.329036	0.289048	30.128	2.351	38.862	0.029039
5502	0	0.352115	-0.054891	-2.553	0.721195	-2.053	0.003359
		-0.372641	0.028069	24.351	1.586	39.642	-0.038298
5502	1.270	0.352115	-0.054891	-2.553	0.721195	-5.295	-0.066349
		-0.372641	0.028069	24.351	1.586	70.566	-0.002651
5503	0	0.343144	0.041930	-2.004	0.569116	-4.647	-0.062616
		-0.367211	-0.060736	17.973	1.124	71.208	-0.010458
5503	1.270	0.343144	0.041930	-2.004	0.569116	-7.192	-0.009367
		-0.367211	-0.060736	17.973	1.124	94.033	-0.087589
5504	0	0.304950	0.056146	-1.275	0.380376	-6.711	-0.048948
		-0.330092	-0.067939	11.023	0.700206	94.490	-0.049252
5504	1.270	0.304950	0.056146	-1.275	0.380376	-8.331	0.022354
		-0.330092	-0.067939	11.023	0.700206	108.488	-0.135532
5505	0	0.255428	0.052490	-0.436337	0.164086	-8.063	-0.034003
		-0.280302	-0.057159	3.696	0.269817	108.736	-0.078914
5505	1.270	0.255428	0.052490	-0.436337	0.164086	-8.617	0.032657
		-0.280302	-0.057159	3.696	0.269817	113.430	-0.151503
5506	0	0.203364	0.058051	-3.782	-0.133747	113.491	-0.169029
		-0.226848	-0.055848	0.448724	-0.089146	-8.614	0.051659
5506	1.270	0.203364	0.058051	-3.782	-0.133747	108.689	-0.095307
		-0.226848	-0.055848	0.448724	-0.089146	-8.044	-0.019264
5507	0	0.146751	0.064063	-11.134	-0.552915	108.524	-0.160091
		-0.167818	-0.054898	1.272	-0.296499	-8.266	0.048385
5507	1.270	0.146751	0.064063	-11.134	-0.552915	94.384	-0.078735
		-0.167818	-0.054898	1.272	-0.296499	-6.650	-0.021332
5508	0	0.092859	0.069451	-18.114	-0.922960	94.009	-0.140299
		-0.110228	-0.053298	1.965	-0.465823	-7.081	0.044515

5508	1.270	0.092859	0.069451	-18.114	-0.922960	71.005	-0.052100
		-0.110228	-0.053298	1.965	-0.465823	-4.585	-0.023171
5509	0	0.042160	0.074806	-24.456	-1.166	70.439	-0.110289
		-0.054575	-0.053454	2.459	-0.572080	-5.179	0.041248
5509	1.270	0.042160	0.074806	-24.456	-1.166	39.381	-0.015289
		-0.054575	-0.053454	2.459	-0.572080	-2.056	-0.026636
5510	0	-0.003636	0.084239	-29.849	-1.072	38.669	-0.068589
		-0.001875	-0.065286	2.745	-0.548186	-2.753	0.035785
5510	1.270	-0.003636	0.084239	-29.849	-1.072	0.762736	0.038390
		-0.001875	-0.065286	2.745	-0.548186	0.732798	-0.047126
11201	0	0.344558	0.006848	-0.109691	0.602446	0.090859	2.165
		-33.302	0.054349	0.317391	-0.493349	-0.270388	3.614
11201	0.825	0.344558	0.006848	-0.109691	0.602446	0.000367	2.171
		-33.302	0.054349	0.317391	-0.493349	-0.008551	3.658
11202	0	-38.188	-0.046705	-0.421008	0.581105	0.361628	4.004
		0.347172	0.106058	0.107278	-0.472372	-0.088793	1.955
11202	0.825	-38.188	-0.046705	-0.421008	0.581105	0.014311	3.965
		0.347172	0.106058	0.107278	-0.472372	-0.000292	2.043
11203	0	-0.271990	0.024895	-35.911	3.537	-0.000215	0.552900
		0.057467	0.037555	2.950	2.294	1.77E-05	-0.661993
11203	0.300	-0.271990	0.024895	-35.911	3.537	-10.773	0.560368
		0.057467	0.037555	2.950	2.294	0.884863	-0.650727
11204	0	-0.380433	0.014515	-41.233	-3.507	-0.000247	-0.498074
		0.052980	-0.076964	3.427	-2.504	2.06E-05	0.389344
11204	0.300	-0.380433	0.014515	-41.233	-3.507	-12.370	-0.493719
		0.052980	-0.076964	3.427	-2.504	1.028	0.366256
11205	0	-0.891939	-0.032040	-4.76E-12	-0.160818	-5.71E-17	-0.038144
		1.119	-0.027307	1.39E-11	-0.024059	1.67E-16	0.063826
11205	0.600	-0.891939	-0.032040	-4.76E-12	-0.160818	-2.85E-12	-0.057367
		1.119	-0.027307	1.39E-11	-0.024059	8.36E-12	0.047442
11208	0	-98.686	32.940	-6.258	1.618	26.026	-109.640
		-87.613	30.680	5.824	-1.537	-22.791	-95.729
11208	4.500	-98.686	32.940	-6.258	1.618	-2.135	38.584
		-87.613	30.680	5.824	-1.537	3.416	42.324
11209	0	-98.686	-32.940	-6.257	-1.623	26.024	109.640
		-87.613	-30.679	5.825	1.534	-22.793	95.729
11209	4.500	-98.686	-32.940	-6.257	-1.623	-2.130	-38.584
		-87.613	-30.679	5.825	1.534	3.420	-42.324
11210	0	-74.983	13.392	-2.454	-1.281	17.086	4.446
		-100.142	8.185	2.161	1.253	-15.109	-27.980
11210	4.500	-74.983	13.392	-2.454	-1.281	6.043	64.706
		-100.142	8.185	2.161	1.253	-5.385	8.851
11211	0	-74.983	-13.392	-2.450	1.277	17.076	-4.446
		-100.142	-8.185	2.162	-1.253	-15.111	27.980
11211	4.500	-74.983	-13.392	-2.450	1.277	6.051	-64.706
		-100.142	-8.185	2.162	-1.253	-5.384	-8.850
11259	0	3.485	-0.201578	-15.175	-1.176	35.141	0.653001
		3.485	0.202078	15.175	1.179	-25.555	-0.154279
11259	4.000	3.485	-0.201578	-15.175	-1.176	-25.555	-0.153278
		3.485	0.202078	15.175	1.179	35.141	0.653998
11260	0	2.543	0.501030	-289.137	-0.307374	97.583	0.539283
		2.860	-0.119639	10.759	-0.787112	134.092	-0.566393
11260	2.000	2.543	0.501030	-289.137	-0.307374	-480.667	1.541
		2.860	-0.119639	10.759	-0.787112	155.609	-0.805661
11261	0	2.861	0.122771	-10.759	0.789554	155.609	-0.817434
		2.543	-0.497898	289.137	0.309821	-480.667	1.530
11261	2.000	2.861	0.122771	-10.759	0.789554	134.092	-0.571902
		2.543	-0.497898	289.137	0.309821	97.583	0.533772
11270	0	-293.479	0.000321	-3.709	-0.025448	54.396	0.000145
		-263.276	-0.000335	2.952	0.001902	-52.202	0.000252
11270	0.200	-293.479	0.000321	-3.709	-0.025448	53.654	0.000221
		-263.276	-0.000335	2.952	0.001902	-51.611	0.000168
11271	0	-0.459195	0.224734	-0.140296	0.653175	0.534321	1.165
		-92.631	-0.280085	17.403	-0.977144	-39.145	0.344594
11271	4.924	-0.459195	0.224734	-0.140296	0.653175	-0.156527	2.272
		-92.631	-0.280085	17.403	-0.977144	46.553	-1.035
11272	0	-0.459142	-0.225246	-0.140277	-0.654433	0.534255	-1.167

		-92.631	0.278708	17.403	0.973770	-39.145	-0.348980
.							
11272	4.924	-0.459142	-0.225246	-0.140277	-0.654433	-0.156502	-2.276
		-92.631	0.278708	17.403	0.973770	46.553	1.023
.							
.							
11273	0	-95.737	0.331503	-48.557	-0.101257	134.136	-3.081
		0.639846	-0.244676	0.124710	-0.231835	-0.666717	2.277
.							
11273	6.021	-95.737	0.331503	-48.557	-0.101257	-158.206	-1.085
		0.639846	-0.244676	0.124710	-0.231835	0.084109	0.804062
.							
.							
11274	0	-95.737	-0.332489	-48.557	0.100778	134.137	3.093
		0.639927	0.244309	0.124726	0.231656	-0.666797	-2.273
.							
11274	6.021	-95.737	-0.332489	-48.557	0.100778	-158.206	1.092
		0.639927	0.244309	0.124726	0.231656	0.084120	-0.801775
.							
.							
11281	0	-7.247	0.111083	-76.081	-1.587	10.388	-0.334399
		0.654630	0.001848	5.590	0.148502	1.450	-0.016342
.							
11281	2.310	-7.247	0.111083	-76.081	-1.587	-165.326	-0.077847
		0.654630	0.001848	5.590	0.148502	14.360	-0.012073
.							
.							
11282	0	-15.672	0.409804	-206.816	-3.585	-148.902	1.564
		-0.347688	-0.125862	0.103183	0.152782	0.489667	-1.842
.							
11282	0.301	-15.672	0.409804	-206.816	-3.585	-211.127	1.687
		-0.347688	-0.125862	0.103183	0.152782	0.520712	-1.879
.							
.							
11283	0	63.231	0.266197	-21.396	-0.673429	-4.813	-0.557548
		0.217172	-0.416306	0.358639	0.471673	-0.421558	0.709214
.							
11283	2.000	63.231	0.266197	-21.396	-0.673429	-47.603	-0.025176
		0.217172	-0.416306	0.358639	0.471673	0.295691	-0.123365
.							
.							
11284	0	0.217198	0.415585	-0.358683	-0.470792	0.295727	-0.123220
		63.231	-0.268164	21.396	0.675789	-47.603	-0.024764
.							
11284	2.000	0.217198	0.415585	-0.358683	-0.470792	-0.421610	0.707917
		63.231	-0.268164	21.396	0.675789	-4.813	-0.561071
.							
.							
11285	0	-0.347654	0.125424	-0.103180	-0.153043	0.520668	-1.883
		-15.671	-0.391210	206.815	3.584	-211.127	1.675
.							
11285	0.301	-0.347654	0.125424	-0.103180	-0.153043	0.489624	-1.845
		-15.671	-0.391210	206.815	3.584	-148.902	1.557
.							
.							
11286	0	0.654681	-0.001846	-5.590	-0.148644	14.360	-0.013637
		-7.247	-0.111086	76.081	1.587	-165.326	-0.078051
.							
11286	2.310	0.654681	-0.001846	-5.590	-0.148644	1.450	-0.017901
		-7.247	-0.111086	76.081	1.587	10.388	-0.334610
.							
.							
11301	0	0.483283	0.000172	-0.168556	0.899149	0.138498	2.560
		-38.211	0.072291	0.469630	-0.670545	-0.401329	4.043
.							
11301	0.825	0.483283	0.000172	-0.168556	0.899149	-0.000555	2.560
		-38.211	0.072291	0.469630	-0.670545	-0.013900	4.103
.							
.							
11302	0	-47.451	-5.95E-05	-0.698062	0.906105	0.607168	4.752
		0.415042	0.073041	0.172226	-0.676111	-0.141187	2.188
.							
11302	0.825	-47.451	-5.95E-05	-0.698062	0.906105	0.031290	4.752
		0.415042	0.073041	0.172226	-0.676111	0.000893	2.249
.							
.							
11303	0	-0.407033	0.016871	-41.233	3.985	-0.000247	0.510126
		0.090164	0.058038	3.514	2.681	2.11E-05	-0.738727
.							
11303	0.300	-0.407033	0.016871	-41.233	3.985	-12.370	0.515187
		0.090164	0.058038	3.514	2.681	1.054	-0.721317
.							
.							
11304	0	-0.654259	-0.058036	-50.781	-3.780	-0.000305	-0.749804
		0.085353	-0.016872	3.730	-3.223	2.24E-05	0.519817
.							
11304	0.300	-0.654259	-0.058036	-50.781	-3.780	-15.234	-0.767215
		0.085353	-0.016872	3.730	-3.223	1.119	0.514756
.							
.							
11305	0	1.720	-0.099823	-1.63E-11	0.001431	-1.95E-16	0.130658
		-1.537	-0.026710	5.48E-12	-0.349178	6.57E-17	-0.075751
.							
11305	0.600	1.720	-0.099823	-1.63E-11	0.001431	-9.76E-12	0.070766
		-1.537	-0.026710	5.48E-12	-0.349178	3.29E-12	-0.091777
.							
.							
11308	0	-115.564	39.735	-7.557	0.760670	30.416	-133.097
		-98.970	35.341	6.664	-0.644796	-24.873	-109.692
.							
11308	4.500	-115.564	39.735	-7.557	0.760670	-3.587	45.701
		-98.970	35.341	6.664	-0.644796	5.115	49.337
.							
.							
11309	0	-115.564	-39.735	-7.556	-0.763082	30.415	133.097
		-98.970	-35.341	6.665	0.643290	-24.874	109.692
.							
11309	4.500	-115.564	-39.735	-7.556	-0.763082	-3.584	-45.702
		-98.970	-35.341	6.665	0.643290	5.117	-49.337
.							
.							
11310	0	-87.176	15.788	-3.339	-1.673	19.739	4.333
		-113.210	9.044	2.704	1.629	-17.048	-31.422
.							
11310	4.500	-87.176	15.788	-3.339	-1.673	4.715	75.377
		-113.210	9.044	2.704	1.629	-4.879	9.275
.							
.							

11311	0	-87.174	-15.788	-3.336	1.670	19.732	-4.334
		-113.210	-9.044	2.704	-1.629	-17.047	31.422
11311	4.500	-87.174	-15.788	-3.336	1.670	4.721	-75.378
		-113.210	-9.044	2.704	-1.629	-4.880	-9.275
11359	0	3.196	-0.062462	-17.098	-0.688025	39.893	0.491492
		3.196	0.062726	17.098	0.689207	-28.495	0.241168
11359	4.000	3.196	-0.062462	-17.098	-0.688025	-28.495	0.241656
		3.196	0.062726	17.098	0.689207	39.893	0.492063
11360	0	2.830	0.613947	-330.768	0.181441	111.953	0.170369
		3.432	0.231288	11.988	-0.110206	153.451	-0.523935
11360	2.000	2.830	0.613947	-330.768	0.181441	-549.555	1.398
		3.432	0.231288	11.988	-0.110206	177.426	-0.061379
11361	0	3.432	-0.229686	-11.989	0.111451	177.429	-0.067407
		2.830	-0.612344	330.766	-0.180185	-549.552	1.392
11361	2.000	3.432	-0.229686	-11.989	0.111451	153.452	-0.526761
		2.830	-0.612344	330.766	-0.180185	111.954	0.167559
11370	0	-344.102	-0.000783	-5.950	-0.020057	49.220	-0.003246
		-293.455	-0.001011	4.263	0.008013	-49.360	-0.001735
11370	0.200	-344.102	-0.000783	-5.950	-0.020057	48.030	-0.003403
		-293.455	-0.001011	4.263	0.008013	-48.507	-0.001922
11371	0	-0.438924	0.161613	-0.125909	0.394912	0.496135	0.511860
		-105.194	-0.209953	19.124	-0.876462	-42.641	1.676
11371	4.924	-0.438924	0.161613	-0.125909	0.394912	-0.123868	1.308
		-105.194	-0.209953	19.124	-0.876462	51.527	0.642512
11372	0	-0.438954	-0.161734	-0.125918	-0.395212	0.496170	-0.512251
		-105.194	0.209091	19.123	0.874377	-42.641	-1.679
11372	4.924	-0.438954	-0.161734	-0.125918	-0.395212	-0.123881	-1.309
		-105.194	0.209091	19.123	0.874377	51.527	-0.649422
11373	0	-109.725	0.325166	-55.530	-0.302459	153.495	-2.475
		0.579105	-0.115191	0.113831	-0.056221	-0.616820	1.409
11373	6.021	-109.725	0.325166	-55.530	-0.302459	-180.825	-0.516836
		0.579105	-0.115191	0.113831	-0.056221	0.068508	0.715517
11374	0	-109.726	-0.325769	-55.530	0.302165	153.495	2.482
		0.579060	0.115103	0.113823	0.056178	-0.616775	-1.408
11374	6.021	-109.726	-0.325769	-55.530	0.302165	-180.825	0.520602
		0.579060	0.115103	0.113823	0.056178	0.068501	-0.714974
11381	0	-8.609	0.200376	-90.715	-2.833	10.799	-0.553727
		0.716454	0.051654	6.318	0.093948	2.866	-0.158050
11381	2.310	-8.609	0.200376	-90.715	-2.833	-198.713	-0.090945
		0.716454	0.051654	6.318	0.093948	17.458	-0.038751
11382	0	-18.161	0.642110	-238.344	-5.980	-178.413	0.567914
		-0.309226	-0.002460	0.116958	0.080131	0.534826	-1.055
11382	0.301	-18.161	0.642110	-238.344	-5.980	-250.123	0.761104
		-0.309226	-0.002460	0.116958	0.080131	0.570015	-1.056
11383	0	74.670	-0.032157	-24.763	-0.638389	-6.359	-0.131233
		0.200923	-0.226571	0.341287	0.276350	-0.402817	0.403558
11383	2.000	74.670	-0.032157	-24.763	-0.638389	-55.883	-0.195544
		0.200923	-0.226571	0.341287	0.276350	0.279730	-0.049565
11384	0	0.200904	0.226405	-0.341263	-0.276141	0.279709	-0.049533
		74.670	0.030990	24.763	0.639833	-55.883	-0.195253
11384	2.000	0.200904	0.226405	-0.341263	-0.276141	-0.402790	0.403259
		74.670	0.030990	24.763	0.639833	-6.358	-0.133275
11385	0	-0.309249	0.000339	-0.116993	-0.080192	0.570047	-1.056
		-18.162	-0.638552	238.371	5.979	-250.127	0.755097
11385	0.301	-0.309249	0.000339	-0.116993	-0.080192	0.534847	-1.056
		-18.162	-0.638552	238.371	5.979	-178.408	0.562977
11386	0	0.716189	-0.051663	-6.318	-0.094025	17.458	-0.039578
		-8.609	-0.200383	90.715	2.833	-198.713	-0.090408
11386	2.310	0.716189	-0.051663	-6.318	-0.094025	2.866	-0.158897
		-8.609	-0.200383	90.715	2.833	10.799	-0.553206
11401	0	0.415019	0.072785	-0.167964	0.676112	0.139459	2.189
		-47.452	0.000797	0.731892	-0.906101	-0.621062	4.752
11401	0.825	0.415019	0.072785	-0.167964	0.676112	0.000895	2.249
		-47.452	0.000797	0.731892	-0.906101	-0.017275	4.752
11402	0	-38.211	0.072143	-0.473384	0.670546	0.402878	4.043
		0.483337	-0.000478	0.167267	-0.899152	-0.138004	2.560
11402	0.825	-38.211	0.072143	-0.473384	0.670546	0.012352	4.103
		0.483337	-0.000478	0.167267	-0.899152	-1.46E-05	2.559

11403	0	-0.654259	0.058036	-50.803	3.780	-0.000305	0.749807
		0.085353	0.016872	3.713	3.223	2.23E-05	-0.519818
11403	0.300	-0.654259	0.058036	-50.803	3.780	-15.240	0.767217
		0.085353	0.016872	3.713	3.223	1.114	-0.514757
11404	0	-0.406342	0.021746	-41.260	-3.949	-0.000248	-0.587391
		0.089473	-0.096654	3.491	-2.716	2.09E-05	0.815995
11404	0.300	-0.406342	0.021746	-41.260	-3.949	-12.378	-0.580867
		0.089473	-0.096654	3.491	-2.716	1.047	0.787000
11405	0	0.203470	-0.356826	-6.63E-13	-1.921	-7.95E-18	0.034624
		-0.020168	0.475077	7.48E-13	2.268	8.97E-18	-0.053149
11405	0.600	0.203470	-0.356826	-6.63E-13	-1.921	-3.98E-13	-0.179465
		-0.020168	0.475077	7.48E-13	2.268	4.49E-13	0.231889
11408	0	-98.971	35.341	-6.664	0.644795	24.873	-109.692
		-115.564	39.735	7.557	-0.760667	-30.416	-133.097
11408	4.500	-98.971	35.341	-6.664	0.644795	-5.115	49.337
		-115.564	39.735	7.557	-0.760667	3.587	45.701
11409	0	-98.970	-35.341	-6.665	-0.643290	24.874	109.692
		-115.564	-39.735	7.556	0.763079	-30.415	133.097
11409	4.500	-98.970	-35.341	-6.665	-0.643290	-5.117	-49.337
		-115.564	-39.735	7.556	0.763079	3.585	-45.702
11410	0	-113.210	9.044	-2.704	-1.629	17.048	-31.422
		-87.175	15.788	3.339	1.673	-19.739	4.333
11410	4.500	-113.210	9.044	-2.704	-1.629	4.879	9.275
		-87.175	15.788	3.339	1.673	-4.715	75.377
11411	0	-113.210	-9.044	-2.704	1.629	17.047	31.422
		-87.174	-15.788	3.336	-1.670	-19.732	-4.334
11411	4.500	-113.210	-9.044	-2.704	1.629	4.880	-9.275
		-87.174	-15.788	3.336	-1.670	-4.721	-75.378
11459	0	3.196	0.062464	-17.098	0.688023	39.893	-0.491491
		3.196	-0.062740	17.098	-0.689208	-28.495	-0.241135
11459	4.000	3.196	0.062464	-17.098	0.688023	-28.495	-0.241647
		3.196	-0.062740	17.098	-0.689208	39.894	-0.492085
11460	0	2.830	-0.613947	-330.767	-0.181476	111.953	-0.170361
		3.432	-0.231288	11.988	0.110172	153.451	0.523937
11460	2.000	2.830	-0.613947	-330.767	-0.181476	-549.555	-1.398
		3.432	-0.231288	11.988	0.110172	177.426	0.061380
11461	0	3.432	0.229685	-11.989	-0.111415	177.429	0.067409
		2.830	0.612346	330.766	0.180221	-549.552	-1.392
11461	2.000	3.432	0.229685	-11.989	-0.111415	153.452	0.526761
		2.830	0.612346	330.766	0.180221	111.954	-0.167549
11470	0	-293.455	-0.001011	-4.263	-0.008013	49.360	-0.001740
		-344.102	-0.000775	5.950	0.020056	-49.220	-0.003231
11470	0.200	-293.455	-0.001011	-4.263	-0.008013	48.507	-0.001953
		-344.102	-0.000775	5.950	0.020056	-48.030	-0.003416
11471	0	-0.438924	-0.161614	-0.125908	-0.394912	0.496134	-0.511859
		-105.194	0.209946	19.124	0.876454	-42.641	-1.676
11471	4.924	-0.438924	-0.161614	-0.125908	-0.394912	-0.123868	-1.308
		-105.194	0.209946	19.124	0.876454	51.527	-0.642492
11472	0	-0.438954	0.161735	-0.125918	0.395212	0.496169	0.512252
		-105.194	-0.209097	19.123	-0.874369	-42.641	1.679
11472	4.924	-0.438954	0.161735	-0.125918	0.395212	-0.123881	1.309
		-105.194	-0.209097	19.123	-0.874369	51.527	0.649378
11473	0	-109.725	-0.325166	-55.530	0.302446	153.495	2.474
		0.579105	0.115191	0.113831	0.056221	-0.616820	-1.409
11473	6.021	-109.725	-0.325166	-55.530	0.302446	-180.825	0.516810
		0.579105	0.115191	0.113831	0.056221	0.068508	-0.715515
11474	0	-109.726	0.325770	-55.530	-0.302153	153.495	-2.482
		0.579060	-0.115104	0.113823	-0.056179	-0.616775	1.408
11474	6.021	-109.726	0.325770	-55.530	-0.302153	-180.825	-0.520574
		0.579060	-0.115104	0.113823	-0.056179	0.068501	0.714971
11481	0	-8.609	-0.200365	-90.715	2.833	10.799	0.553710
		0.716450	-0.051672	6.318	-0.093923	2.866	0.158074
11481	2.310	-8.609	-0.200365	-90.715	2.833	-198.713	0.090954
		0.716450	-0.051672	6.318	-0.093923	17.458	0.038735
11482	0	-18.161	-0.598839	-238.355	5.980	-178.411	-0.574432
		-0.309226	0.002040	0.117008	-0.080130	0.534818	1.055
11482	0.301	-18.161	-0.598839	-238.355	5.980	-250.125	-0.754604
		-0.309226	0.002040	0.117008	-0.080130	0.570022	1.055

.							
.							
11483	0	74.670	0.032074	-24.763	0.638387	-6.359	0.131315
		0.200921	0.226570	0.341288	-0.276351	-0.402818	-0.403558
.							
11483	2.000	74.670	0.032074	-24.763	0.638387	-55.883	0.195460
		0.200921	0.226570	0.341288	-0.276351	0.279730	0.049564
.							
.							
11484	0	0.200905	-0.226405	-0.341263	0.276141	0.279709	0.049533
		74.670	-0.030951	24.763	-0.639830	-55.883	0.195212
.							
11484	2.000	0.200905	-0.226405	-0.341263	0.276141	-0.402789	-0.403259
		74.670	-0.030951	24.763	-0.639830	-6.358	0.133313
.							
.							
11485	0	-0.309249	-0.001518	-0.117007	0.080191	0.570049	1.056
		-18.162	0.634113	238.352	-5.979	-250.124	-0.754435
.							
11485	0.301	-0.309249	-0.001518	-0.117007	0.080191	0.534845	1.056
		-18.162	0.634113	238.352	-5.979	-178.411	-0.563651
.							
.							
11486	0	0.716296	0.051656	-6.318	0.094000	17.458	0.039591
		-8.609	0.200395	90.715	-2.833	-198.713	0.090389
.							
11486	2.310	0.716296	0.051656	-6.318	0.094000	2.866	0.158894
		-8.609	0.200395	90.715	-2.833	10.799	0.553215
.							
.							
11501	0	0.347564	0.104498	-0.107368	0.472374	0.088815	1.956
		-38.188	-0.045186	0.425684	-0.581098	-0.363587	4.003
.							
11501	0.825	0.347564	0.104498	-0.107368	0.472374	0.000240	2.042
		-38.188	-0.045186	0.425684	-0.581098	-0.012412	3.966
.							
.							
11502	0	-33.302	0.053976	-0.311440	0.493345	0.267933	3.614
		0.344670	0.007197	0.109793	-0.602450	-0.090871	2.165
.							
11502	0.825	-33.302	0.053976	-0.311440	0.493345	0.011005	3.658
		0.344670	0.007197	0.109793	-0.602450	-0.000295	2.171
.							
.							
11503	0	-0.380433	-0.014515	-41.242	3.507	-0.000247	0.498070
		0.052980	0.076964	3.405	2.504	2.04E-05	-0.389345
.							
11503	0.300	-0.380433	-0.014515	-41.242	3.507	-12.372	0.493716
		0.052980	0.076964	3.405	2.504	1.022	-0.366257
.							
.							
11504	0	-0.271989	-0.024895	-35.900	-3.537	-0.000215	-0.552885
		0.057467	-0.037555	2.947	-2.294	1.77E-05	0.662000
.							
11504	0.300	-0.271989	-0.024895	-35.900	-3.537	-10.770	-0.560353
		0.057467	-0.037555	2.947	-2.294	0.884061	0.650734
.							
.							
11505	0	0.467739	-0.305444	-6.06E-13	-1.748	-7.28E-18	0.020880
		-0.240680	0.365029	6.63E-13	1.933	7.95E-18	-0.030865
.							
11505	0.600	0.467739	-0.305444	-6.06E-13	-1.748	-3.64E-13	-0.162381
		-0.240680	0.365029	6.63E-13	1.933	3.98E-13	0.188146
.							
.							
11508	0	-87.613	30.679	-5.824	1.537	22.791	-95.729
		-98.686	32.940	6.258	-1.618	-26.026	-109.640
.							
11508	4.500	-87.613	30.679	-5.824	1.537	-3.416	42.324
		-98.686	32.940	6.258	-1.618	2.135	38.584
.							
.							
11509	0	-87.613	-30.679	-5.825	-1.534	22.792	95.728
		-98.686	-32.940	6.257	1.623	-26.024	109.640
.							
11509	4.500	-87.613	-30.679	-5.825	-1.534	-3.420	-42.324
		-98.686	-32.940	6.257	1.623	2.130	-38.584
.							
.							
11510	0	-100.142	8.185	-2.161	-1.253	15.109	-27.980
		-74.982	13.392	2.454	1.281	-17.086	4.446
.							
11510	4.500	-100.142	8.185	-2.161	-1.253	5.385	8.851
		-74.982	13.392	2.454	1.281	-6.042	64.706
.							
.							
11511	0	-100.142	-8.185	-2.162	1.253	15.111	27.980
		-74.982	-13.392	2.450	-1.277	-17.076	-4.446
.							
11511	4.500	-100.142	-8.185	-2.162	1.253	5.384	-8.850
		-74.982	-13.392	2.450	-1.277	-6.051	-64.706
.							
.							
11559	0	3.485	0.201580	-15.175	1.176	35.141	-0.653002
		3.485	-0.202089	15.175	-1.179	-25.555	0.154305
.							
11559	4.000	3.485	0.201580	-15.175	1.176	-25.555	0.153285
		3.485	-0.202089	15.175	-1.179	35.141	-0.654017
.							
.							
11560	0	2.543	-0.501029	-289.136	0.307345	97.583	-0.539283
		2.860	0.119638	10.759	0.787086	134.092	0.566397
.							
11560	2.000	2.543	-0.501029	-289.136	0.307345	-480.667	-1.541
		2.860	0.119638	10.759	0.787086	155.609	0.805663
.							
.							
11561	0	2.861	-0.122768	-10.759	-0.789527	155.609	0.817435
		2.543	0.497899	289.136	-0.309797	-480.667	-1.530
.							
11561	2.000	2.861	-0.122768	-10.759	-0.789527	134.092	0.571908
		2.543	0.497899	289.136	-0.309797	97.583	-0.533770
.							
.							
11570	0	-263.276	0.000286	-2.952	-0.001903	52.202	0.000183
		-293.479	0.000321	3.709	0.025448	-54.395	0.000183
.							
11570	0.200	-263.276	0.000286	-2.952	-0.001903	51.611	0.000275

```
                -293.479  0.000321     3.709  0.025448   -53.654  0.000214
.
.
11571       0 -0.459195 -0.224735 -0.140295 -0.653176  0.534320    -1.165
              -92.631  0.280078    17.403  0.977141   -39.145 -0.344559
.
11571   4.924 -0.459195 -0.224735 -0.140295 -0.653176 -0.156527    -2.272
              -92.631  0.280078    17.403  0.977141    46.553     1.035
.
.
11572       0 -0.459141  0.225246 -0.140277  0.654434  0.534254     1.167
              -92.631 -0.278708    17.403 -0.973768   -39.145  0.348968
.
11572   4.924 -0.459141  0.225246 -0.140277  0.654434 -0.156501     2.276
              -92.631 -0.278708    17.403 -0.973768    46.553    -1.023
.
.
11573       0   -95.737 -0.331509   -48.557  0.101250   134.136     3.081
             0.639846  0.244676  0.124710  0.231835 -0.666716    -2.277
.
11573   6.021   -95.737 -0.331509   -48.557  0.101250  -158.206     1.085
             0.639846  0.244676  0.124710  0.231835  0.084109 -0.804063
.
.
11574       0   -95.737  0.332493   -48.557 -0.100772   134.136    -3.093
             0.639927 -0.244309  0.124726 -0.231656 -0.666797     2.273
.
11574   6.021   -95.737  0.332493   -48.557 -0.100772  -158.206    -1.091
             0.639927 -0.244309  0.124726 -0.231656  0.084120  0.801775
.
.
11581       0    -7.247 -0.111068   -76.081     1.587    10.388  0.334382
             0.654680 -0.001877     5.590 -0.148494     1.450  0.016374
.
11581   2.310    -7.247 -0.111068   -76.081     1.587  -165.325  0.077863
             0.654680 -0.001877     5.590 -0.148494    14.360  0.012039
.
.
11582       0   -15.673 -0.407584  -206.818     3.585  -148.902    -1.564
            -0.347689  0.125225  0.103159 -0.152781  0.489671     1.842
.
11582   0.301   -15.673 -0.407584  -206.818     3.585  -211.127    -1.686
            -0.347689  0.125225  0.103159 -0.152781  0.520709     1.879
.
.
11583       0    63.231 -0.266149   -21.396  0.673430    -4.813  0.557499
             0.217170  0.416308  0.358640 -0.471673 -0.421559 -0.709215
.
11583   2.000    63.231 -0.266149   -21.396  0.673430   -47.603  0.025224
             0.217170  0.416308  0.358640 -0.471673  0.295691  0.123367
.
.
11584       0  0.217200 -0.415587 -0.358684  0.470793  0.295728  0.123223
              63.232  0.268161    21.396 -0.675789   -47.603  0.024767
.
11584   2.000  0.217200 -0.415587 -0.358684  0.470793 -0.421611 -0.707919
              63.232  0.268161    21.396 -0.675789    -4.813  0.561067
.
.
```



```
.
11585       0 -0.347637 -0.125152 -0.103191  0.153043  0.520670     1.883
              -15.672  0.401562    206.825    -3.584  -211.128    -1.676
.
11585   0.301 -0.347637 -0.125152 -0.103191  0.153043  0.489623     1.845
              -15.672  0.401562    206.825    -3.584  -148.901    -1.556
.
.
11586       0  0.654609  0.001828    -5.590  0.148636    14.360  0.013661
              -7.247  0.111070    76.081    -1.587  -165.325  0.078069
.
11586   2.310  0.654609  0.001828    -5.590  0.148636     1.450  0.017882
              -7.247  0.111070    76.081    -1.587    10.388  0.334592
.
.
12201       0 -0.516858 -0.016341 -0.100454 -0.399182  0.104091  0.451750
              -64.416  0.036847  0.577341  0.427181 -0.603935  0.759751
.
12201   1.036 -0.516858 -0.016341 -0.100454 -0.399182  2.48E-05  0.434821
              -64.416  0.036847  0.577341  0.427181 -0.005834  0.797923
.
.
12202       0   -71.176 -0.067555 -0.745164 -0.525868  0.778595  0.932676
             -0.430062  0.088978  0.097874  0.554672 -0.101025  0.368152
.
12202   1.036   -71.176 -0.067555 -0.745164 -0.525868  0.006636  0.862692
             -0.430062  0.088978  0.097874  0.554672  0.000368  0.460329
.
.
12203       0 -0.531807  0.035430   -65.058  0.365452 -0.000390 -0.233763
              0.048306 -0.012369  0.127686  0.868641  7.66E-07  0.205757
.
12203   0.300 -0.531807  0.035430   -65.058  0.365452   -19.517 -0.223134
              0.048306 -0.012369  0.127686  0.868641  0.038305  0.202046
.
.
12204       0 -0.731553 -0.005859   -71.768 -0.643905 -0.000431 -0.176998
              0.077109 -0.017199  0.154783 -0.680090  9.29E-07  0.148196
.
12204   0.300 -0.731553 -0.005859   -71.768 -0.643905   -21.530 -0.178756
              0.077109 -0.017199  0.154783 -0.680090  0.046434  0.143036
.
.
12205       0 -0.434667 -0.190996 -1.37E-12 -0.256366 -1.65E-17 -0.069607
              0.919715  0.196088  5.31E-12  0.151672  6.37E-17  0.075538
.
12205   0.600 -0.434667 -0.190996 -1.37E-12 -0.256366 -8.23E-13 -0.184200
              0.919715  0.196088  5.31E-12  0.151672  3.18E-12  0.193186
.
.
12301       0 -0.686386 -0.023571 -0.156862 -0.256218  0.162442  0.594252
              -71.110  0.049752  0.806583  0.332666 -0.837202  0.973937
.
12301   1.036 -0.686386 -0.023571 -0.156862 -0.256218 -6.12E-05  0.569834
              -71.110  0.049752  0.806583  0.332666 -0.001616     1.025
.
.
12302       0   -81.853 -0.024375   -1.166 -0.264318     1.222     1.315
             -0.542856  0.051069  0.158454  0.342513 -0.164287  0.445949
.
```

```
12302   1.036   -81.853 -0.024375    -1.166 -0.264318  0.014995     1.290
               -0.542856  0.051069  0.158454  0.342513 -0.000135  0.498854
.
.
12303       0 -0.726170  0.030286   -71.987  0.205083 -0.000432  0.682661
               0.079318 -0.002954  0.186903     1.391  1.12E-06 -0.759101
.
12303   0.300 -0.726170  0.030286   -71.987  0.205083   -21.596  0.691746
               0.079318 -0.002954  0.186903     1.391  0.056070 -0.759987
.
.
12304       0    -1.136 -0.039125   -82.559 -0.907913 -0.000495 -0.596719
               0.107784  0.011798  0.146680 -0.880889  3.80E-07  0.518533
.
12304   0.300    -1.136 -0.039125   -82.559 -0.907913   -24.767 -0.608456
               0.107784  0.011798  0.146680 -0.880889  0.044003  0.522073
.
.
12305       0     1.307  0.124602 -6.07E-12  0.291088 -7.29E-17  0.189174
              -0.814441 -0.110386  1.55E-12 -0.515765  1.87E-17 -0.180620
.
12305   0.600     1.307  0.124602 -6.07E-12  0.291088 -3.64E-12  0.263932
              -0.814441 -0.110386  1.55E-12 -0.515765  9.33E-13 -0.246850
.
.
12401       0 -0.542938  0.050095 -0.159525 -0.342512  0.164838  0.446409
              -81.853 -0.024528     1.181  0.264321    -1.232     1.315
.
12401   1.036 -0.542938  0.050095 -0.159525 -0.342512 -0.000423  0.498306
              -81.853 -0.024523     1.181  0.264321 -0.008750     1.290
.
.
12402       0   -71.110  0.052263 -0.785688 -0.332666  0.826188  0.972591
              -0.686388 -0.023180  0.156366  0.256219 -0.162185  0.594047
.
12402   1.036   -71.110  0.052263 -0.785688 -0.332666  0.012248     1.027
              -0.686388 -0.023180  0.156366  0.256219 -0.000196  0.570034
.
.
12403       0    -1.136  0.039125   -82.539  0.907976 -0.000495  0.596725
               0.107784 -0.011798  0.148683  0.880858  3.92E-07 -0.518531
.
12403   0.300    -1.136  0.039125   -82.539  0.907976   -24.761  0.608462
               0.107784 -0.011798  0.148683  0.880858  0.044604 -0.522070
.
.
12404       0 -0.726170 -0.030286   -71.983 -0.205020 -0.000432 -0.682650
               0.079318  0.002954  0.187520    -1.391  1.13E-06  0.759101
.
12404   0.300 -0.726170 -0.030286   -71.983 -0.205020   -21.594 -0.691735
               0.079318  0.002954  0.187520    -1.391  0.056255  0.759987
.
.
12405       0  0.318198  0.074845 -5.23E-13 -0.632621 -6.28E-18 -0.122756
               0.174263 -0.094624  5.65E-13  0.857376  6.78E-18  0.141504
.
12405   0.600  0.318198  0.074845 -5.23E-13 -0.632621 -3.14E-13 -0.077850
               0.174263 -0.094624  5.65E-13  0.857376  3.39E-13  0.084731
.
.
12501       0 -0.430072  0.089588 -0.097208 -0.554672  0.100686  0.367863
              -71.176 -0.069019  0.751337  0.525871 -0.781793  0.933477
.
12501   1.036 -0.430072  0.089588 -0.097208 -0.554672 -1.71E-05  0.460673
              -71.176 -0.069019  0.751337  0.525871 -0.003439  0.861977
.
.
12502       0   -64.416  0.036930 -0.583533 -0.427182  0.607143  0.759685
              -0.516840 -0.013666  0.100461  0.399180 -0.104093  0.450388
.
12502   1.036   -64.416  0.036930 -0.583533 -0.427182  0.002627  0.737943
              -0.516840 -0.013666  0.100461  0.399180 -1.98E-05  0.436231
.
.
12503       0 -0.731553  0.005859   -71.760  0.643938 -0.000431  0.177000
               0.077109  0.017199  0.154493  0.680123  9.27E-07 -0.148199
.
12503   0.300 -0.731553  0.005859   -71.760  0.643938   -21.528  0.178758
               0.077109  0.017199  0.154493  0.680123  0.046347 -0.143039
.
.
12504       0 -0.531805 -0.035430   -65.054 -0.365452 -0.000390  0.233766
               0.048306  0.012369  0.129027 -0.868707  7.74E-07 -0.205757
.
12504   0.300 -0.531805 -0.035430   -65.054 -0.365452   -19.516  0.223138
               0.048306  0.012369  0.129027 -0.868707  0.038707 -0.202047
.
.
12505       0  0.577457  0.033002 -4.88E-13 -0.520817 -5.86E-18 -0.128291
              -0.092420 -0.059992  5.24E-13  0.625556  6.29E-18  0.143844
.
12505   0.600  0.577457  0.033002 -4.88E-13 -0.520817 -2.93E-13 -0.108491
              -0.092420 -0.059992  5.24E-13  0.625556  3.14E-13  0.107850
.
.
13201       0  0.384606  0.001957 -0.100853 -0.003085  0.106788 -0.001059
              -67.877  0.000474  0.657303 -0.001620 -0.689257 -0.000271
.
13201   1.059  0.384606  0.001957 -0.100853 -0.003085 -1.06E-05  0.001013
              -67.877  0.000474  0.657303 -0.001620  0.006800  0.000231
.
.
13202       0   -74.931 -0.000932 -0.846903 -0.006130  0.886240  0.000499
               0.341717 -0.000825  0.093657 -0.000157 -0.099919  0.000463
.
13202   1.059   -74.931 -0.000932 -0.846903 -0.006130 -0.010594 -0.000487
               0.341717 -0.000825  0.093657 -0.000157 -0.000740 -0.000412
.
.
13203       0 -0.649096  8.71E-06   -67.881  1.03E-05 -0.000407  0.001616
               0.100842 -7.33E-06  0.383537         0  2.30E-06  0.003083
.
13203   0.300 -0.649096  8.71E-06   -67.881  1.03E-05   -20.364  0.001618
               0.100842 -7.33E-06  0.383537         0  0.115059  0.003081
.
.
13204       0 -0.832105 -5.22E-07   -74.934 -9.93E-06 -0.000450  0.006129
               0.095066 -5.18E-07  0.338751  2.77E-05  2.03E-06  0.000147
```

```
.
13204   0.300 -0.832105 -5.22E-07   -74.934 -9.93E-06   -22.480  0.006129
               0.095066 -5.18E-07  0.338751  2.77E-05  0.101623  0.000147
.
.
13205       0  0.131772  0.002904 -6.43E-15 -9.93E-07 -7.72E-20 -0.000920
               0.411989  0.011920  3.12E-12 -3.57E-05  3.74E-17 -0.011564
.
13205   0.600  0.131772  0.002904 -6.43E-15 -9.93E-07 -3.86E-15  0.000822
               0.411989  0.011920  3.12E-12 -3.57E-05  1.87E-12 -0.004412
.
.
13301       0  0.448287 -3.62E-05 -0.158361 -0.003512  0.167723  1.84E-05
                -74.877  3.52E-05  0.893107  0.001599 -0.939563 -2.11E-05
.
13301   1.059  0.448287 -3.62E-05 -0.158361 -0.003512  2.58E-05 -1.98E-05
                -74.877  3.52E-05  0.893107  0.001599  0.006199  1.61E-05
.
.
13302       0   -85.622 -0.000878    -1.307 -0.004925     1.379  0.000463
               0.407360 -0.000532  0.156126  0.001095 -0.165945  0.000257
.
13302   1.059   -85.622 -0.000878    -1.307 -0.004925 -0.005477 -0.000466
               0.407360 -0.000532  0.156126  0.001095 -0.000614 -0.000306
.
.
13303       0 -0.832054 -2.39E-05   -74.908 -7.12E-06 -0.000449 -0.001548
               0.102588 -2.95E-05  0.494974 -0.000127  2.97E-06  0.003455
.
13303   0.300 -0.832054 -2.39E-05   -74.908 -7.12E-06   -22.472 -0.001555
               0.102588 -2.95E-05  0.494974 -0.000127  0.148489  0.003446
.
.
13304       0   -1.307  3.41E-05   -85.617  6.73E-05 -0.000514  0.004918
               0.157288  1.94E-05  0.411358  2.11E-06  2.47E-06 -0.001098
.
13304   0.300   -1.307  3.41E-05   -85.617  6.73E-05   -25.685  0.004929
               0.157288  1.94E-05  0.411358  2.11E-06  0.123405 -0.001092
.
.
13305       0  0.317331  0.006304 -3.55E-12 -1.67E-05 -4.26E-17 -0.011648
               0.253978  0.000756  7.84E-15  6.21E-08  9.41E-20 -0.000216
.
13305   0.600  0.317331  0.006304 -3.55E-12 -1.67E-05 -2.13E-12 -0.007866
               0.253978  0.000756  7.84E-15  6.21E-08  4.70E-15  0.000237
.
.
13401       0  0.407372 -0.000532 -0.158155 -0.001094  0.167019  0.000257
                -85.622 -0.000613     1.308  0.004924    -1.379  0.000277
.
13401   1.059  0.407372 -0.000532 -0.158155 -0.001094 -0.000460 -0.000306
                -85.622 -0.000613     1.308  0.004924  0.005743 -0.000372
.
.
13402       0   -74.877  3.88E-05 -0.893245 -0.001600  0.940384 -2.29E-05
               0.448332  0.000198  0.158154  0.003512 -0.167613 -0.000152
.
13402   1.059   -74.877  3.88E-05 -0.893245 -0.001600 -0.005525  1.81E-05
               0.448332  0.000198  0.158154  0.003512 -0.000135  5.71E-05
.
.
13403       0   -1.307 -3.41E-05   -85.625 -3.87E-06 -0.000514 -0.004929
               0.157288 -1.94E-05  0.411371 -3.39E-05  2.47E-06  0.001098
.
13403   0.300   -1.307 -3.41E-05   -85.625 -3.87E-06   -25.687 -0.004939
               0.157288 -1.94E-05  0.411371 -3.39E-05  0.123409  0.001092
.
.
13404       0 -0.832054  2.39E-05   -74.914  3.84E-05 -0.000449  0.001535
               0.102588  2.95E-05  0.481368         0  2.89E-06 -0.003455
.
13404   0.300 -0.832054  2.39E-05   -74.914  3.84E-05   -22.474  0.001542
               0.102588  2.95E-05  0.481368         0  0.144407 -0.003446
.
.
13405       0  0.338342  0.002667 -4.65E-13 -1.47E-05 -5.58E-18 -0.006924
               0.233296 -0.015214  4.96E-13         0  5.95E-18  0.000941
.
13405   0.600  0.338342  0.002667 -4.65E-13 -1.47E-05 -2.79E-13 -0.005324
               0.233296 -0.015214  4.96E-13         0  2.98E-13 -0.008187
.
.
13501       0  0.341701  0.000307 -0.094204  0.000155  0.100208 -0.000160
                -74.931  0.001068  0.840177  0.006130 -0.881178 -0.000559
.
13501   1.059  0.341701  0.000307 -0.094204  0.000155  0.000450  0.000164
                -74.931  0.001068  0.840177  0.006130  0.008534  0.000572
.
.
13502       0   -67.877  0.000976 -0.645807  0.001620  0.683170 -0.000490
               0.384646 -0.000175  0.100836  0.003085 -0.106776  9.30E-05
.
13502   1.059   -67.877  0.000976 -0.645807  0.001620 -0.000713  0.000544
               0.384646 -0.000175  0.100836  0.003085  4.44E-06 -9.27E-05
.
.
13503       0 -0.832105  5.18E-07   -74.937 -2.19E-05 -0.000450 -0.006131
               0.095066  5.22E-07  0.343472  4.05E-06  2.06E-06 -0.000155
.
13503   0.300 -0.832105  5.18E-07   -74.937 -2.19E-05   -22.481 -0.006130
               0.095066  5.22E-07  0.343472  4.05E-06  0.103039 -0.000155
.
.
13504       0 -0.649094 -8.71E-06   -67.876 -9.78E-06 -0.000407 -0.001616
               0.100841  7.33E-06  0.380967  3.17E-05  2.29E-06 -0.003083
.
13504   0.300 -0.649094 -8.71E-06   -67.876 -9.78E-06   -20.362 -0.001618
               0.100841  7.33E-06  0.380967  3.17E-05  0.114288 -0.003081
.
.
13505       0  0.457569  0.006623 -4.36E-13 -1.19E-05 -5.23E-18 -0.006846
               0.086351 -0.002208  4.65E-13  9.54E-07  5.58E-18 -0.002512
.
13505   0.600  0.457569  0.006623 -4.36E-13 -1.19E-05 -2.61E-13 -0.002872
               0.086351 -0.002208  4.65E-13  9.54E-07  2.79E-13 -0.003837
.
.
14201       0 -0.517001  0.013739 -0.100452  0.395681  0.104096 -0.450400
```

```
                -64.416 -0.036337  0.581398 -0.426546 -0.606038 -0.759961
.
14201    1.036 -0.517001  0.013739 -0.100452  0.395681  3.17E-05 -0.436167
                -64.416 -0.036337  0.581398 -0.426546 -0.003734 -0.797604
.
.
14202        0   -71.176  0.067917 -0.736902  0.518920  0.772776 -0.932856
              -0.430153 -0.089618  0.097910 -0.555581 -0.101052 -0.367862
.
14202    1.036   -71.176  0.067917 -0.736902  0.518920  0.009375 -0.862497
              -0.430153 -0.089618  0.097910 -0.555581  0.000379 -0.460703
.
.
14203        0 -0.531811 -0.035431   -65.067 -0.365475 -0.000390  0.234020
               0.048307  0.012374  0.133616 -0.868660  8.02E-07 -0.203152
.
14203    0.300 -0.531811 -0.035431   -65.067 -0.365475   -19.520  0.223391
               0.048307  0.012374  0.133616 -0.868660  0.040084 -0.199440
.
.
14204        0 -0.731553  0.005860   -71.767  0.643858 -0.000431  0.183361
               0.077113  0.017194  0.153665  0.680111  9.22E-07 -0.146699
.
14204    0.300 -0.731553  0.005860   -71.767  0.643858   -21.530  0.185119
               0.077113  0.017194  0.153665  0.680111  0.046099 -0.141541
.
.
14205        0 -0.438973  0.190577 -1.37E-12  0.256364 -1.65E-17  0.066963
               0.905474 -0.203385  5.31E-12 -0.151643  6.37E-17 -0.095451
.
14205    0.600 -0.438973  0.190577 -1.37E-12  0.256364 -8.23E-13  0.181305
               0.905474 -0.203385  5.31E-12 -0.151643  3.18E-12 -0.217477
.
.
14301        0 -0.686339  0.023238 -0.156644  0.252163  0.162328 -0.594083
              -71.110 -0.050955  0.795359 -0.328572 -0.829669 -0.973269
.
14301    1.036 -0.686339  0.023238 -0.156644  0.252163  5.20E-05 -0.570009
              -71.110 -0.050955  0.795359 -0.328572 -0.005710    -1.026
.
.
14302        0   -81.853  0.024826    -1.182  0.257464     1.232    -1.315
              -0.542997 -0.051488  0.158265 -0.341676 -0.164189 -0.445735
.
14302    1.036   -81.853  0.024826    -1.182  0.257464  0.008129    -1.289
              -0.542997 -0.051488  0.158265 -0.341676 -0.000233 -0.499074
.
.
14303        0 -0.726172 -0.030354   -71.973 -0.205155 -0.000432 -0.684371
               0.079319  0.002919  0.186656    -1.391  1.12E-06  0.760780
.
14303    0.300 -0.726172 -0.030354   -71.973 -0.205155   -21.592 -0.693477
               0.079319  0.002919  0.186656    -1.391  0.055995  0.761655
.
.
14304        0   -1.136  0.039203   -82.522  0.907918 -0.000495  0.602648
               0.107786 -0.011772  0.151331  0.880895  9.08E-07 -0.518432
.
14304    0.300   -1.136  0.039203   -82.522  0.907918   -24.756  0.614409
               0.107786 -0.011772  0.151331  0.880895  0.045398 -0.521963
.
.
14305        0     1.290 -0.114847 -6.07E-12 -0.291089 -7.29E-17 -0.218560
              -0.819013  0.105090  1.55E-12  0.515764  1.87E-17  0.178484
.
14305    0.600     1.290 -0.114847 -6.07E-12 -0.291089 -3.64E-12 -0.287466
              -0.819013  0.105090  1.55E-12  0.515764  9.33E-13  0.241536
.
.
14401        0 -0.542890 -0.050910 -0.159376  0.341675  0.164769 -0.446014
                -81.853  0.023122     1.174 -0.257466    -1.228    -1.314
.
14401    1.036 -0.542890 -0.050910 -0.159376  0.341675 -0.000338 -0.498755
                -81.853  0.023122     1.174 -0.257466 -0.012153    -1.290
.
.
14402        0   -71.110 -0.051057 -0.801440  0.328571  0.834348 -0.973219
              -0.686436  0.024452  0.156118 -0.252163 -0.162056 -0.594805
.
14402    1.036   -71.110 -0.051057 -0.801440  0.328571  0.004089    -1.026
              -0.686436  0.024452  0.156118 -0.252163 -0.000324 -0.569474
.
.
14403        0   -1.136 -0.039203   -82.543 -0.908045 -0.000495 -0.602651
               0.107786  0.011772  0.148009 -0.880896  8.88E-07  0.518437
.
14403    0.300   -1.136 -0.039203   -82.543 -0.908045   -24.762 -0.614412
               0.107786  0.011772  0.148009 -0.880896  0.044402  0.521968
.
.
14404        0 -0.726172  0.030354   -71.989  0.205124 -0.000432  0.684371
               0.079319 -0.002919  0.187401     1.391  1.12E-06 -0.760780
.
14404    0.300 -0.726172  0.030354   -71.989  0.205124   -21.596  0.693477
               0.079319 -0.002919  0.187401     1.391  0.056219 -0.761655
.
.
14405        0  0.307596 -0.063340 -5.23E-13  0.632638 -6.28E-18  0.103069
               0.163828  0.070407  5.65E-13 -0.857344  6.79E-18 -0.148190
.
14405    0.600  0.307596 -0.063340 -5.23E-13  0.632638 -3.14E-13  0.065066
               0.163828  0.070407  5.65E-13 -0.857344  3.39E-13 -0.105947
.
.
14501        0 -0.430044 -0.090237 -0.097345  0.555581  0.100762 -0.367521
              -71.176  0.066039  0.736301 -0.518922 -0.774004 -0.931950
.
14501    1.036 -0.430044 -0.090237 -0.097345  0.555581 -8.35E-05 -0.461003
              -71.176  0.066039  0.736301 -0.518922 -0.011227 -0.863537
.
.
14502        0   -64.415 -0.037091 -0.585360  0.426546  0.607899 -0.759618
              -0.516935  0.013595  0.100484 -0.395680 -0.104112 -0.450373
.
14502    1.036   -64.415 -0.037091 -0.585360  0.426546  0.001490 -0.798043
              -0.516935  0.013595  0.100484 -0.395680 -1.56E-05 -0.436289
.
.
```

```
14503       0 -0.731553 -0.005860   -71.763 -0.643891 -0.000431 -0.183365
                0.077113 -0.017194  0.153391 -0.680113  9.20E-07  0.146702
.
14503   0.300 -0.731553 -0.005860   -71.763 -0.643891   -21.528 -0.185123
                0.077113 -0.017194  0.153391 -0.680113  0.046016  0.141544
.
.
14504       0 -0.531810  0.035430   -65.065  0.365444 -0.000390 -0.234025
                0.048307 -0.012374  0.132211  0.868662  7.93E-07  0.203153
.
14504   0.300 -0.531810  0.035430   -65.065  0.365444   -19.519 -0.223397
                0.048307 -0.012374  0.132211  0.868662  0.039662  0.199441
.
.
14505       0  0.568244 -0.020813 -4.88E-13  0.520835 -5.86E-18  0.111278
               -0.101748  0.026755  5.24E-13 -0.625554  6.29E-18 -0.145394
.
14505   0.600  0.568244 -0.020813 -4.88E-13  0.520835 -2.93E-13  0.098791
               -0.101748  0.026755  5.24E-13 -0.625554  3.14E-13 -0.129341
.
.
15201       0  0.344557 -0.004456 -0.110076 -0.600203  0.090987     -2.166
                -33.302 -0.053576  0.312347  0.494405 -0.269208     -3.614
.
15201   0.825  0.344557 -0.004456 -0.110076 -0.600203  0.000178     -2.170
                -33.302 -0.053576  0.312347  0.494405 -0.011531     -3.658
.
.
15202       0   -38.188  0.048126 -0.422986 -0.583387  0.362414     -4.004
                0.347296 -0.109975  0.105636  0.469589 -0.088131     -1.954
.
15202   0.825   -38.188  0.048126 -0.422986 -0.583387  0.013465     -3.965
                0.347296 -0.109975  0.105636  0.469589 -0.000985     -2.044
.
.
15203       0 -0.271994 -0.024883   -35.923   -3.536 -0.000216 -0.553354
                0.057465 -0.037552     2.966   -2.294  1.78E-05  0.659145
.
15203   0.300 -0.271994 -0.024883   -35.923   -3.536   -10.777 -0.560819
                0.057465 -0.037552     2.966   -2.294  0.889778  0.647880
.
.
15204       0 -0.380123  0.011515   -41.250     3.527 -0.000247  0.585407
                0.052675  0.050920     3.439     2.483  2.06E-05 -0.471608
.
15204   0.300 -0.380123  0.011515   -41.250     3.527   -12.375  0.588861
                0.052675  0.050920     3.439     2.483     1.032 -0.456333
.
.
15205       0 -0.901210  0.045848 -4.76E-12  0.160819 -5.71E-17  0.033605
                1.125    0.026804  1.39E-11  0.023995  1.67E-16 -0.097309
.
15205   0.600 -0.901210  0.045848 -4.76E-12  0.160819 -2.85E-12  0.061112
                1.125    0.026804  1.39E-11  0.023995  8.36E-12 -0.081227
.
.
15301       0  0.483594 -0.039900 -0.167817 -0.972568  0.138164     -2.567
                -38.212 -0.033709  0.463165  0.748575 -0.398610     -4.035
.
15301   0.825  0.483594 -0.039900 -0.167817 -0.972568 -0.000280     -2.600
                -38.212 -0.033709  0.463165  0.748575 -0.016515     -4.063
.
.
15302       0   -47.451 -0.002488 -0.721999 -0.908302  0.618960     -4.751
                0.415162 -0.073383  0.171390  0.673387 -0.140842     -2.188
.
15302   0.825   -47.451 -0.002488 -0.721999 -0.908302  0.023335     -4.753
                0.415162 -0.073383  0.171390  0.673387  0.000549     -2.249
.
.
15303       0 -0.407033 -0.016922   -41.239    -3.985 -0.000247 -0.510904
                0.090163 -0.058079     3.539    -2.681  2.12E-05  0.734902
.
15303   0.300 -0.407033 -0.016922   -41.239    -3.985   -12.372 -0.515981
                0.090163 -0.058079     3.539    -2.681     1.062  0.717479
.
.
15304       0 -0.654258  0.058078   -50.763     3.780 -0.000305  0.751066
                0.085353  0.016923     3.692     3.223  2.22E-05 -0.516152
.
15304   0.300 -0.654258  0.058078   -50.763     3.780   -15.228  0.768489
                0.085353  0.016923     3.692     3.223     1.108 -0.511075
.
.
15305       0     1.730  0.089265 -1.63E-11 -0.001495 -1.95E-16 -0.164129
               -1.546    0.027850  5.48E-12  0.349179  6.57E-17  0.073247
.
15305   0.600     1.730  0.089265 -1.63E-11 -0.001495 -9.76E-12 -0.110572
               -1.546    0.027850  5.48E-12  0.349179  3.29E-12  0.089956
.
.
15401       0  0.415498 -0.069967 -0.166949 -0.673386  0.139011     -2.190
                -47.452  0.000709  0.712506  0.908298 -0.613111     -4.752
.
15401   0.825  0.415498 -0.069967 -0.166949 -0.673386  0.001283     -2.247
                -47.452  0.000709  0.712506  0.908298 -0.025317     -4.752
.
.
15402       0   -38.212 -0.071160 -0.466270 -0.672288  0.399944     -4.044
                0.482851 -0.000566  0.165962  0.896283 -0.137466     -2.560
.
15402   0.825   -38.212 -0.071160 -0.466270 -0.672288  0.015287     -4.102
                0.482851 -0.000566  0.165962  0.896283 -0.000553     -2.560
.
.
15403       0 -0.654258 -0.058077   -50.773    -3.780 -0.000305 -0.751056
                0.085353 -0.016923     3.684    -3.223  2.21E-05  0.516152
.
15403   0.300 -0.654258 -0.058077   -50.773    -3.780   -15.232 -0.768478
                0.085353 -0.016923     3.684    -3.223     1.105  0.511076
.
.
15404       0 -0.406342 -0.021697   -41.275     3.949 -0.000248  0.588228
                0.089471  0.096699     3.517     2.716  2.11E-05 -0.812216
.
15404   0.300 -0.406342 -0.021697   -41.275     3.949   -12.382  0.581719
                0.089471  0.096699     3.517     2.716     1.055 -0.783208
.
```

```
.
15405       0  0.201914  0.327901 -6.63E-13     1.921 -7.95E-18 -0.044065
              -0.018176 -0.436552  7.48E-13    -2.268  8.97E-18  0.020906
.
15405   0.600  0.201914  0.327901 -6.63E-13     1.921 -3.98E-13  0.152670
              -0.018176 -0.436552  7.48E-13    -2.268  4.49E-13 -0.241018
.
.
15501       0  0.347208 -0.108435 -0.108015 -0.469591  0.089112    -1.954
               -38.188  0.044744  0.411987  0.583380 -0.357967    -4.003
.
15501   0.825  0.347208 -0.108435 -0.108015 -0.469591  3.17E-06    -2.044
               -38.188  0.044744  0.411987  0.583380 -0.018092    -3.966
.
.
15502       0   -33.302 -0.054128 -0.315894 -0.494402  0.269771    -3.614
              0.344191 -0.002683  0.109584  0.600207 -0.090799    -2.167
.
15502   0.825   -33.302 -0.054128 -0.315894 -0.494402  0.009169    -3.658
              0.344191 -0.002683  0.109584  0.600207 -0.000396    -2.169
.
.
15503       0 -0.380432  0.014518   -41.247    -3.507 -0.000247 -0.499617
              0.052984 -0.076952     3.429    -2.504  2.06E-05  0.385830
.
15503   0.300 -0.380432  0.014518   -41.247    -3.507   -12.374 -0.495262
              0.052984 -0.076952     3.429    -2.504     1.029  0.362745
.
.
15504       0 -0.271993  0.024883   -35.913     3.537 -0.000215  0.553348
              0.057465  0.037552     2.974     2.294  1.78E-05 -0.659153
.
15504   0.300 -0.271993  0.024883   -35.913     3.537   -10.774  0.560813
              0.057465  0.037552     2.974     2.294  0.892197 -0.647887
.
.
15505       0  0.464595  0.282433 -6.06E-13     1.748 -7.28E-18 -0.030406
              -0.240824 -0.356580  6.63E-13    -1.933  7.95E-18  0.010730
.
15505   0.600  0.464595  0.282433 -6.06E-13     1.748 -3.64E-13  0.139048
              -0.240824 -0.356580  6.63E-13    -1.933  3.98E-13 -0.203211
.
.
21101       0  0.078228  0.063522 -0.458861  0.771223  0.588494 -0.078473
              -0.097750 -0.068933     3.972  0.723930     1.032  0.086568
.
21101   2.300  0.041996  0.044512    -8.479     1.534    -4.088  0.048672
              -0.061519 -0.049923  0.032383 -0.038854  0.033670 -0.053023
.
.
21111       0  0.024871  0.086455 -0.291771  0.736615  0.034101 -0.103394
              -0.027670 -0.092272     5.399  0.671172  0.083894  0.111451
.
21111   2.300  0.016683  0.062371    -6.858     1.447    -1.892  0.069971
              -0.019482 -0.068189  0.005766 -0.039471  0.002934 -0.075295
.
.
21121       0 -0.000190  0.052571 -0.493763  0.594137 -0.106281 -0.060932
              0.004995 -0.056292     6.342  0.565725 -0.242370  0.065625
.
21121   2.300  0.005056  0.029723    -6.112     1.160 -0.651894  0.034336
              -0.000252 -0.033444  1.42E-05 -0.000483 -5.39E-06 -0.038202
.
.
21131       0 -0.000949 -0.014042 -0.693309  0.429372 -0.169420  0.016044
               0.007299  0.012261     6.980  0.375958 -0.369662 -0.013935
.
21131   2.300  0.007619 -0.036017    -5.673  0.804821  0.166629 -0.041494
              -0.001270  0.034236  9.15E-06  0.000508  5.40E-05  0.039506
.
.
21141       0 -0.001387 -0.012840 -0.823333  0.220757 -0.207464  0.014730
               0.007668  0.012926     7.351  0.164848 -0.418755 -0.014822
.
21141   2.300  0.007528 -0.034851    -5.432  0.385079  0.633869 -0.040247
              -0.001247  0.034937  3.44E-05  0.000525  0.000118  0.040353
.
.
21151       0 -0.000951 -0.010082 -0.872011 -0.012032 -0.222457  0.011648
               0.007092  0.012157     7.465 -0.053188 -0.434035 -0.014006
.
21151   2.300  0.007360 -0.033238    -5.367 -0.065767  0.753139 -0.038407
              -0.001219  0.035312  7.41E-05  0.000548  0.000219  0.040820
.
.
21161       0  0.002012 -0.049799 -0.839008 -0.268148 -0.216289  0.056765
               0.004066  0.053976     7.327 -0.248153 -0.430094 -0.061557
.
21161   2.300  0.010435 -0.076525    -5.473 -0.539377  0.517815 -0.086416
              -0.004357  0.080702  0.000983  0.023075  0.004507  0.093231
.
.
21171       0 -0.014427 -0.038451 -0.728756 -0.480375 -0.188720  0.040037
               0.019313  0.044671     6.950 -0.455952 -0.423981 -0.047451
.
21171   2.300  0.006412 -0.074634    -5.742 -0.960711 -0.068128 -0.087329
              -0.001527  0.080955  0.003789  0.024384  0.011336  0.094222
.
.
21181       0 -0.094955 -0.009251 -0.548892 -0.648650 -0.152036 -0.003286
               0.093666  0.016740     6.378 -0.641262 -0.461698 -0.006376
.
21181   2.300 -0.015087 -0.065166    -6.138    -1.315 -0.980718 -0.079040
               0.013798  0.072655  0.006642  0.025562  0.019384  0.086601
.
.
21191       0 -0.190844 -0.025768 -0.321827 -0.755893 -0.123109  0.015585
               0.177013  0.029899     5.778 -0.778416 -0.764867 -0.021442
.
21191   2.300  0.013423 -0.101891    -6.511    -1.560    -2.121 -0.119357
              -0.027255  0.106022  0.007645  0.026048  0.027404  0.123001
.
.
21201       0  0.041864  0.100140    -1.575     1.551     1.322 -0.119135
              -0.048522 -0.105042     7.723    -1.165    -3.873  0.125295
.
21201   2.300  0.025275  0.076014    -5.832  0.420141    -2.187  0.084723
              -0.031933 -0.080916  0.021536 -0.033586  0.024176 -0.089836
```

```
.
.
21211       0  0.009177  0.075526 -0.142611     1.435 -0.582316 -0.088404
              -0.011433 -0.081841     6.196    -1.064    -1.276  0.096094
.
21211   2.300  0.002991  0.044145    -5.906  0.370953    -1.689  0.050254
              -0.005248 -0.050461  4.82E-05 -0.000539  4.00E-05 -0.057088
.
.
21221       0 -0.000791  0.054713 -0.010705 -0.009885 -0.013071 -0.063288
               0.001415 -0.060860     5.815  0.329816 -0.962520  0.070599
.
21221   2.300  0.000316  0.020694    -6.659 -0.890230 -0.956644  0.024128
               0.000308 -0.026841  0.503072     1.210 -0.423373 -0.030955
.
.
21231       0 -0.002861  0.056778 -0.014818 -0.009808 -0.021591 -0.065661
               0.004542 -0.061279     5.639  0.242681 -0.276814  0.070912
.
21231   2.300  0.002385  0.022697    -7.245 -0.635894 -0.949344  0.026145
              -0.000705 -0.027198  0.909296  0.868767 -0.167900 -0.031245
.
.
21241       0 -0.006129  0.057721 -0.016408 -0.009271 -0.033553 -0.066976
               0.007724 -0.059826     5.547  0.126357  0.131199  0.069383
.
21241   2.300  0.001444  0.024383    -7.582 -0.341573 -0.916941  0.027759
               0.000151 -0.026488     1.153  0.458659 -0.017424 -0.030193
.
.
21251       0 -0.005589  0.120548 -0.016313  0.018351 -0.000281 -0.139225
               0.006577 -0.120009     5.531 -0.031946  0.197684  0.138554
.
21251   2.300  0.004926  0.087938    -7.682 -0.002593 -0.862006  0.101054
              -0.003937 -0.087400     1.237 -0.011002 -0.009544 -0.100489
.
.
21261       0 -0.009993  0.122974 -0.019210  0.017056  0.005373 -0.141847
               0.010195 -0.119973     5.589 -0.159890 -0.005648  0.138340
.
21261   2.300  0.007569  0.091243    -7.557  0.307363 -0.883965  0.105635
              -0.007367 -0.088242     1.167 -0.450197 -0.058912 -0.102240
.
.
21271       0 -0.013395  0.122789 -0.020382  0.015981  0.012146 -0.141487
               0.013166 -0.118155     5.718 -0.270888 -0.496613  0.136205
.
21271   2.300  0.018351  0.093242    -7.208  0.599428 -0.940965  0.108736
              -0.018580 -0.088608  0.946362 -0.854335 -0.192407 -0.103359
.
.
21281       0 -0.010431  0.118183 -0.019566  0.015437  0.019084 -0.135562
               0.011933 -0.113896     5.910 -0.353153    -1.229  0.131092
.
21281   2.300  0.037926  0.092212    -6.668  0.851143    -1.039  0.107413
              -0.036424 -0.087925  0.599378    -1.189 -0.376029 -0.102025
.
.
21291       0 -0.139803  0.157628 -0.019859  0.015044  0.026930 -0.187364
               0.148852 -0.156481     6.110 -0.400700    -2.066  0.187332
.
21291   2.300 -0.092005  0.123413    -6.073     1.030    -1.294  0.133561
               0.101054 -0.122265  0.202976    -1.416 -0.490908 -0.130953
.
.
21301       0 -0.032102  0.080943 -0.021536  0.033586  0.024176 -0.089859
               0.037143 -0.086233     5.832 -0.420141    -2.187  0.095509
.
21301   2.300 -0.026017  0.098564    -7.723     1.165    -3.873  0.116434
               0.031058 -0.103854     1.575    -1.551     1.322 -0.122950
.
.
21311       0 -0.005238  0.050496 -4.82E-05  0.000539  4.02E-05 -0.057128
               0.006435 -0.057344     5.906 -0.370953    -1.689  0.064623
.
21311   2.300 -0.002262  0.073777    -6.196     1.064    -1.276  0.085437
               0.003459 -0.080626  0.142610    -1.435 -0.582317 -0.093693
.
.
21321       0  0.000117  0.021223 -0.503073    -1.210 -0.423371 -0.023969
              -0.001711 -0.028108     6.659  0.890230 -0.956646  0.031649
.
21321   2.300 -0.000766  0.047743    -5.815 -0.329816 -0.962523  0.055034
              -0.000828 -0.054628  0.010705  0.009885 -0.013071 -0.063188
.
.
21331       0  0.003389  0.022420 -0.909295 -0.868767 -0.167899 -0.025395
              -0.006349 -0.027891     7.245  0.635894 -0.949343  0.031578
.
21331   2.300 -0.000134  0.051231    -5.639 -0.242681 -0.276815  0.059175
              -0.002826 -0.056701  0.014818  0.009808 -0.021591 -0.065574
.
.
21341       0  0.006672  0.023489    -1.153 -0.458659 -0.017420 -0.026578
              -0.010326 -0.026866     7.582  0.341572 -0.916944  0.030407
.
21341   2.300  0.002500  0.054287    -5.547 -0.126357  0.131199  0.062978
              -0.006154 -0.057665  0.016408  0.009271 -0.033553 -0.066916
.
.
21351       0  0.003423  0.086649    -1.237  0.011002 -0.009541 -0.099589
              -0.007599 -0.087769     7.682  0.002593 -0.862007  0.100835
.
21351   2.300  0.001611  0.119437    -5.531  0.031946  0.197685  0.137941
              -0.005787 -0.120557  0.016313 -0.018351 -0.000281 -0.139271
.
.
21361       0 -0.000192  0.089747    -1.167  0.450197 -0.058910 -0.104013
              -0.004378 -0.088654     7.557 -0.307363 -0.883964  0.102779
.
21361   2.300  0.006106  0.124254    -5.589  0.159890 -0.005649  0.143410
              -0.010676 -0.123161  0.019210 -0.017056  0.005372 -0.142129
.
.
21371       0 -0.012053  0.091935 -0.946363  0.854335 -0.192404 -0.107230
               0.008395 -0.088728     7.208 -0.599428 -0.940965  0.103844
.
21371   2.300  0.011214  0.126564    -5.718  0.270888 -0.496613  0.146229
```

```
                -0.014872 -0.123357  0.020382 -0.015981  0.012144 -0.142240
.
.
21381       0 -0.030233  0.092061 -0.599377     1.189 -0.376028 -0.106770
               0.031712 -0.086866     6.668 -0.851144    -1.039  0.101746
.
21381   2.300  0.014388  0.124601    -5.910  0.353153    -1.229  0.143994
              -0.012909 -0.119406  0.019565 -0.015437  0.019082 -0.137069
.
.
21391       0  0.107419  0.125551 -0.202977     1.416 -0.490907 -0.134729
              -0.093302 -0.119157     6.073    -1.030    -1.294  0.129151
.
21391   2.300  0.157197  0.166022    -6.110  0.400700    -2.066  0.198845
              -0.143080 -0.159628  0.019858 -0.015044  0.026928 -0.189719
.
.
21401       0 -0.061654  0.049942 -0.032382  0.038854  0.033670 -0.053028
               0.080555 -0.055932     8.479    -1.534    -4.088  0.058090
.
21401   2.300 -0.054093  0.058987    -3.972 -0.723930     1.032  0.071232
               0.072993 -0.064977  0.458861 -0.771223  0.588494 -0.079945
.
.
21411       0 -0.019550  0.068187 -0.005766  0.039471  0.002935 -0.075283
               0.021939 -0.074923     6.858    -1.447    -1.892  0.081687
.
21411   2.300 -0.020333  0.082024    -5.399 -0.671172  0.083896  0.096666
               0.022722 -0.088760  0.291771 -0.736615  0.034101 -0.105756
.
.
21421       0 -0.000252  0.033466 -1.42E-05  0.000483 -5.28E-06 -0.038226
              -0.004988 -0.038525     6.112    -1.160 -0.651890  0.043639
.
21421   2.300 -0.005375  0.050715    -6.342 -0.565725 -0.242369  0.058192
               0.000136 -0.055773  0.493763 -0.594137 -0.106280 -0.064413
.
.
21431       0 -0.001270 -0.034210 -9.07E-06 -0.000508  5.38E-05  0.039476
              -0.005671  0.030563     5.673 -0.804822  0.166632 -0.035338
.
21431   2.300 -0.007914 -0.014572    -6.980 -0.375958 -0.369660 -0.016834
               0.000973  0.010925  0.693308 -0.429372 -0.169420  0.012586
.
.
21441       0 -0.001242 -0.034911 -3.42E-05 -0.000525  0.000117  0.040322
              -0.005801  0.032439     5.432 -0.385079  0.633876 -0.037468
.
21441   2.300 -0.008457 -0.013126    -7.351 -0.164847 -0.418756 -0.015113
               0.001414  0.010655  0.823333 -0.220757 -0.207465  0.012281
.
.
21451       0 -0.001219 -0.035285 -7.39E-05 -0.000547  0.000218  0.040789
              -0.005738  0.033917     5.367  0.065767  0.753144 -0.039191
.
21451   2.300 -0.009083 -0.010651    -7.465  0.053188 -0.434035 -0.012280
               0.002125  0.009284  0.872011  0.012032 -0.222457  0.010733
.
.
```

```
21461       0 -0.004558 -0.080816 -0.000982 -0.023075  0.004506  0.093343
              -0.002342  0.080564     5.473  0.539377  0.517819 -0.093028
.
21461   2.300 -0.011885 -0.050847    -7.327  0.248153 -0.430091 -0.057917
               0.004985  0.050594  0.839007  0.268148 -0.216290  0.057652
.
.
21471       0 -0.001946 -0.081321 -0.003788 -0.024384  0.011334  0.094737
              -0.005260  0.082425     5.742  0.960711 -0.068121 -0.096037
.
21471   2.300  0.004620 -0.039764    -6.950  0.455952 -0.423981 -0.041573
              -0.011826  0.040867  0.728755  0.480375 -0.188720  0.042811
.
.
21481       0  0.013160 -0.073645 -0.006641 -0.025562  0.019382  0.087718
              -0.021016  0.077135     6.138    1.315 -0.980716 -0.091702
.
21481   2.300  0.083733 -0.009693    -6.378  0.641261 -0.461696  0.002557
              -0.091588  0.013183  0.548892  0.648651 -0.152037  0.001484
.
.
21491       0 -0.028284 -0.107574 -0.007644 -0.026048  0.027403  0.124733
               0.025157  0.116604     6.511    1.560    -2.121 -0.133695
.
21491   2.300  0.179507 -0.021572    -5.778  0.778416 -0.764867 -0.010153
              -0.182634  0.030602  0.321828  0.755893 -0.123108  0.021960
.
.
21501       0 -0.038773 -0.193977 -0.108482 -0.051816 -0.101439  0.256866
               0.040683  0.174498     5.812    -1.566    -2.297 -0.227480
.
21501   2.300  0.092427 -0.215039    -6.271 -0.903493    -3.073 -0.263382
              -0.090517  0.195560  0.015484 -0.714234  0.039214  0.247969
.
.
21601       0 -0.066361  0.423088 -0.040394    -1.474  0.052861 -0.452583
               0.090959 -0.425878     6.158    1.073    -2.702  0.457643
.
21601   2.300 -0.046047  0.309109    -5.971 -0.393923    -2.370  0.386594
               0.070645 -0.311899  0.128716 -0.007177  0.037745 -0.387952
.
.
21701       0  0.078928  0.309754 -0.128722  0.007176  0.037751 -0.385702
              -0.046618 -0.305183     5.971  0.393922    -2.370  0.382176
.
21701   2.300  0.105148  0.427025    -6.158    -1.073    -2.702  0.458940
              -0.072838 -0.422453  0.040390     1.474  0.052856 -0.451953
.
.
21801       0 -0.092385 -0.193465 -0.015484  0.714235  0.039214  0.245567
               0.124685  0.214432     6.271  0.903493    -3.073 -0.262689
.
21801   2.300  0.055136 -0.170590    -5.812     1.566    -2.297 -0.223241
              -0.022836  0.191557  0.108482  0.051813 -0.101439  0.254341
.
.
22101       0 -0.082564 -0.034978 -0.106459  0.072266 -0.095401 -0.031556
               0.117739  0.016236     6.454     2.005    -2.563  0.062798
.
```

```
22101   2.300  0.051360 -0.202027    -7.010  0.918225    -3.452 -0.236019
              -0.016185  0.183285  0.017258     1.159  0.051735  0.224156
.
.
22111       0 -0.140824  0.093332 -0.358839     1.240 -0.152264 -0.091551
               0.183479 -0.079450     6.530  0.724643 -0.781089  0.073144
.
22111   2.300  0.057131  0.126337    -7.176     2.032    -2.103  0.143557
              -0.014476 -0.112455  0.007628 -0.066838  0.021670 -0.130037
.
.
22121       0 -0.030234  0.081718 -0.628862     1.067 -0.222723 -0.085208
               0.051086 -0.071336     7.341  0.566412 -0.462369  0.071717
.
22121   2.300  0.031900  0.123714    -6.633     1.702 -0.597659  0.141310
              -0.011048 -0.113332  0.005265 -0.068278  0.010224 -0.130923
.
.
22131       0  0.001204  0.007611 -0.840928  0.744366 -0.299883 -0.007973
               0.010256 -0.002357     8.068  0.412232 -0.416941  0.001514
.
22131   2.300  0.018122  0.037578    -6.114     1.177  0.558811  0.042772
              -0.006663 -0.032324  0.001847 -0.020694  0.006200 -0.037147
.
.
22141       0 -0.004074 -0.072106 -0.973590  0.375403 -0.350306  0.081542
               0.012561  0.075739     8.529  0.217571 -0.418676 -0.085840
.
22141   2.300  0.008428 -0.050833    -5.784  0.592857     1.267 -0.059404
              5.93E-05  0.054466  9.63E-05  0.000118  0.000275  0.063461
.
.
22151       0 -0.006382 -0.065064    -1.021 -0.011544 -0.369664  0.074143
               0.013375  0.070052     8.685  0.000240 -0.419806 -0.079934
.
22151   2.300  0.006469 -0.049982    -5.676 -0.011455     1.497 -0.058018
               0.000524  0.054969  6.21E-05  0.000152  0.000206  0.063698
.
.
22161       0 -0.006918 -0.039827 -0.980225 -0.398896 -0.352098  0.045132
               0.012789  0.048264     8.529 -0.217105 -0.418673 -0.054858
.
22161   2.300  0.005621 -0.031733    -5.791 -0.616172     1.250 -0.037001
               0.000250  0.040169  6.68E-05  0.000172  0.000206  0.046677
.
.
22171       0 -0.016326 -0.123870 -0.857081 -0.776423 -0.304964  0.136893
               0.019663  0.137426     8.070 -0.404380 -0.415604 -0.152908
.
22171   2.300  0.006369 -0.129647    -6.130    -1.209  0.516609 -0.151808
              -0.003032  0.143204  0.003341  0.028371  0.010956  0.166972
.
.
22181       0 -0.115110 -0.131282 -0.656374    -1.089 -0.233688  0.129969
               0.106763  0.150614     7.344 -0.570443 -0.458418 -0.154424
.
22181   2.300 -0.029620 -0.167980    -6.660    -1.723 -0.671852 -0.201574
               0.021273  0.187313  0.008097  0.064076  0.020622  0.221582
.
```

```
.
22191       0 -0.309559 -0.023824 -0.396408    -1.265 -0.177324  0.002491
               0.271879  0.040619     6.532 -0.727787 -0.772745 -0.025074
.
22191   2.300 -0.063943 -0.102683    -7.214    -2.056    -2.214 -0.124347
               0.026263  0.119478  0.009788  0.063526  0.034712  0.140390
.
.
22201       0  0.000805  0.043431 -0.043793     2.073  0.057849 -0.057714
               0.035053 -0.045557     6.863    -1.506    -3.007  0.062522
.
22201   2.300 -0.014941 -0.087709    -6.644  0.601731    -2.641 -0.125538
               0.050799  0.085583  0.123340 -0.035341  0.034499  0.125456
.
.
22211       0 -0.089838 -0.039293 -0.024251 -0.023616  0.014936  0.050256
               0.130331  0.038721     6.838  0.567314    -2.079 -0.049975
.
22211   2.300 -0.097774 -0.078652    -6.833    -1.407    -1.303 -0.076080
               0.138267  0.078080  0.307474     1.950 -0.429265  0.075045
.
.
22221       0 -0.043279 -0.025920 -0.031321 -0.024343 -0.001297  0.034437
               0.072814  0.025491     6.630  0.496595 -0.927638 -0.035307
.
22221   2.300 -0.005674 -0.025427    -7.604    -1.163 -0.949657 -0.021604
               0.035209  0.024997  0.863319     1.636 -0.143358  0.019745
.
.
22231       0 -0.019442 -0.020574 -0.037822 -0.025632 -0.018681  0.025147
               0.036108  0.019970     6.443  0.374914  0.037032 -0.025671
.
22231   2.300  0.017913 -0.006508    -8.266 -0.826587 -0.770160 -0.007056
              -0.001248  0.005904     1.332     1.176  0.181141  0.005143
.
.
22241       0 -0.014872 -0.015462 -0.039832 -0.027014 -0.039461  0.017790
               0.022221  0.015870     6.334  0.211430  0.653173 -0.019047
.
22241   2.300  0.010181  0.002002    -8.675 -0.438519 -0.658112  0.001149
              -0.002832 -0.001594     1.629  0.622935  0.406955 -0.001470
.
.
22251       0 -0.024841  0.079659 -0.037313 -0.003245 -0.102820 -0.092767
               0.026164 -0.076785     6.297 -0.000176  0.912819  0.088934
.
22251   2.300 -0.005951  0.097710    -8.808 -0.003161 -0.666075  0.110959
               0.007274 -0.094836     1.728 -0.000260  0.532357 -0.108182
.
.
22261       0 -0.020902  0.222997 -0.040522  0.027622 -0.026333 -0.257922
               0.017461 -0.216710     6.338 -0.218362  0.623916  0.250203
.
22261   2.300  0.001843  0.241186    -8.676  0.439293 -0.646562  0.276893
              -0.005284 -0.234899     1.634 -0.630033  0.387758 -0.270154
.
.
22271       0 -0.022539  0.227253 -0.040699  0.025654 -0.006023 -0.261443
               0.014136 -0.217896     6.457 -0.379788 -0.010788  0.250241
```

22271	2.300	0.017798	0.247096	-8.269	0.826774	-0.764119	0.286744
		-0.026201	-0.237739	1.346	-1.181	0.163637	-0.276428
22281	0	-0.021990	0.204941	-0.036069	0.024129	0.012270	-0.234450
		0.010630	-0.195578	6.656	-0.499107	-0.999754	0.223967
22281	2.300	0.049040	0.229106	-7.609	1.163	-0.946992	0.267660
		-0.060400	-0.219743	0.889700	-1.638	-0.154783	-0.256609
22291	0	0.001716	0.147251	-0.031381	0.023452	0.030337	-0.166646
		-0.004810	-0.144574	6.881	-0.567775	-2.177	0.166035
22291	2.300	0.089963	0.156613	-6.840	1.407	-1.304	0.180432
		-0.093057	-0.153935	0.349924	-1.951	-0.429151	-0.174885
22301	0	0.058017	-0.080995	-0.123338	0.035340	0.034497	0.120306
		-0.014242	0.083619	6.644	-0.601731	-2.641	-0.121244
22301	2.300	0.050506	0.045833	-6.863	1.506	-3.007	0.062624
		-0.006731	-0.043208	0.043798	-2.073	0.057855	-0.057526
22311	0	0.142643	-0.083088	-0.307473	-1.950	-0.429265	0.080897
		-0.098463	0.072679	6.833	1.407	-1.303	-0.069879
22311	2.300	0.137602	-0.052391	-6.838	-0.567315	-2.079	-0.066380
		-0.093422	0.041982	0.024252	0.023615	0.014937	0.053458
22321	0	0.040462	-0.031287	-0.863320	-1.636	-0.143357	0.027070
		-0.012215	0.017974	7.604	1.163	-0.949660	-0.013678
22321	2.300	0.073849	-0.040630	-6.630	-0.496596	-0.927637	-0.053428
		-0.045602	0.027317	0.031322	0.024343	-0.001296	0.036201
22331	0	0.005209	-0.011077	-1.332	-1.176	0.181139	0.011207
		0.007065	0.000617	8.266	0.826586	-0.770159	-0.000672
22331	2.300	0.032907	-0.031695	-6.443	-0.374914	0.037031	-0.039547
		-0.020633	0.021235	0.037822	0.025631	-0.018680	0.026025
22341	0	0.004607	-0.001205	-1.629	-0.622935	0.406952	0.001822
		-0.002776	-0.005057	8.675	0.438518	-0.658109	0.004508
22341	2.300	0.017159	-0.022033	-6.334	-0.211431	0.653170	-0.026282
		-0.015328	0.015771	0.039832	0.027013	-0.039461	0.018209
22351	0	0.015009	0.094838	-1.728	0.000259	0.532353	-0.108184
		-0.019333	-0.097524	8.808	0.003161	-0.666072	0.110743
22351	2.300	0.020599	0.076796	-6.297	0.000176	0.912817	0.088946
		-0.024922	-0.079482	0.037313	0.003244	-0.102820	-0.092564

22361	0	0.002339	0.237838	-1.634	0.630032	0.387761	-0.273575
		-0.011301	-0.237898	8.676	-0.439293	-0.646570	0.273241
22361	2.300	0.012570	0.223022	-6.338	0.218361	0.623920	0.257635
		-0.021532	-0.223082	0.040522	-0.027622	-0.026334	-0.258107
22371	0	-0.019161	0.243105	-1.346	1.181	0.163636	-0.282631
		0.006429	-0.241121	8.269	-0.826774	-0.764119	0.280225
22371	2.300	0.011444	0.229797	-6.457	0.379788	-0.010788	0.264394
		-0.024177	-0.227814	0.040699	-0.025655	-0.006025	-0.262238
22381	0	-0.053438	0.226249	-0.889699	1.638	-0.154783	-0.264016
		0.041591	-0.221834	7.609	-1.163	-0.946997	0.259908
22381	2.300	0.013225	0.210876	-6.656	0.499107	-0.999749	0.242422
		-0.025072	-0.206461	0.036069	-0.024130	0.012268	-0.236376
22391	0	-0.085284	0.159038	-0.349923	1.951	-0.429151	-0.180653
		0.088129	-0.151001	6.840	-1.407	-1.304	0.174622
22391	2.300	0.005633	0.158197	-6.881	0.567775	-2.177	0.182566
		-0.002789	-0.150161	0.031380	-0.023452	0.030335	-0.170113
22401	0	-0.018865	-0.185695	-0.017258	-1.159	0.051736	0.226787
		0.087692	0.204925	7.010	-0.918227	-3.452	-0.239329
22401	2.300	0.136620	-0.020404	-6.454	-2.005	-2.563	0.058287
		-0.067792	0.039633	0.106458	-0.072265	-0.095402	-0.026603
22411	0	-0.015780	0.114333	-0.007627	0.066837	0.021670	-0.132121
		0.067318	-0.144566	7.176	-2.032	-2.103	0.161168
22411	2.300	0.186068	0.068593	-6.530	-0.724643	-0.781089	0.058233
		-0.134530	-0.098826	0.358840	-1.240	-0.152264	-0.098720
22421	0	-0.011797	0.114267	-0.005265	0.068278	0.010225	-0.131850
		0.023232	-0.137828	6.633	-1.702	-0.597662	0.156338
22421	2.300	0.038958	0.063006	-7.341	-0.566412	-0.462372	0.061165
		-0.027524	-0.086568	0.628863	-1.067	-0.222723	-0.090968
22431	0	-0.007018	0.032689	-0.001846	0.020694	0.006199	-0.037538
		0.004286	-0.046492	6.114	-1.177	0.558809	0.052781
22431	2.300	-0.006544	-0.002730	-8.068	-0.412232	-0.416943	-0.004587
		0.003812	-0.011072	0.840928	-0.744367	-0.299884	-0.011913
22441	0	5.93E-05	-0.054459	-9.66E-05	-0.000117	0.000275	0.063453

```
                -0.006444  0.046620     5.784 -0.592858     1.267 -0.054586
.
22441    2.300 -0.005331 -0.078235    -8.529 -0.217571 -0.418674 -0.088794
               -0.001054  0.070396  0.973590 -0.375404 -0.350307  0.079631
.
.
22451        0  0.000527 -0.054959 -6.22E-05 -0.000152  0.000206  0.063687
               -0.008465  0.050091     5.676  0.011454     1.497 -0.058145
.
22451    2.300 -0.004838 -0.069990    -8.685 -0.000240 -0.419802 -0.079863
               -0.003100  0.065121     1.021  0.011543 -0.369666  0.074208
.
.
22461        0  0.000250 -0.040153 -6.67E-05 -0.000171  0.000206  0.046660
               -0.009270  0.036153     5.791  0.616172     1.250 -0.042057
.
22461    2.300 -0.005078 -0.045640    -8.529  0.217106 -0.418674 -0.051759
               -0.003943  0.041639  0.980225  0.398895 -0.352099  0.047160
.
.
22471        0 -0.003518 -0.143653 -0.003340 -0.028372  0.010954  0.167454
               -0.007286  0.138966     6.130     1.209  0.516609 -0.162255
.
22471    2.300  0.002745 -0.132325    -8.070  0.404380 -0.415606 -0.146801
               -0.013550  0.127638  0.857079  0.776422 -0.304966  0.141220
.
.
22481        0  0.020456 -0.188448 -0.008096 -0.064077  0.020619  0.222859
               -0.037623  0.182928     6.660     1.723 -0.671851 -0.217455
.
22481    2.300  0.094505 -0.142434    -7.344  0.570442 -0.458421 -0.144055
               -0.111673  0.136914  0.656372     1.089 -0.233690  0.136764
.
.
22491        0  0.025134 -0.121545 -0.009786 -0.063527  0.034709  0.142720
               -0.051217  0.122399     7.214     2.056    -2.214 -0.143351
.
22491    2.300  0.274082 -0.030033    -6.532  0.727786 -0.772745 -0.010537
               -0.300164  0.030887  0.396407     1.265 -0.177324  0.011871
.
.
22501        0 -0.084685 -0.217696 -0.147334 -0.088554 -0.147647  0.320651
               0.074723  0.173410     6.454    -2.017    -2.563 -0.251584
.
22501    2.300  0.073943 -0.227881    -7.051 -0.934349    -3.598 -0.272271
               -0.083906  0.183594  0.017625    -1.171  0.052026  0.239483
.
.
22601        0 -0.020998  0.149462 -0.064704    -2.062  0.084371 -0.153254
               0.048541 -0.158439     6.920     1.496    -3.117  0.168505
.
22601    2.300  0.015097 -0.003623    -6.664 -0.591236    -2.661  0.001778
               0.012445 -0.005355  0.179187  0.025096  0.054410 -0.007175
.
.
22701        0  0.023961  0.002006 -0.179191 -0.025097  0.054415 -0.003572
               0.013918  0.007295     6.664  0.591235    -2.661 -0.002235
.
22701    2.300  0.067904  0.158923    -6.920    -1.496    -3.117  0.169120
```

```
                -0.030025 -0.149622  0.064703     2.062  0.084370 -0.153535
.
.
22801        0 -0.086345 -0.181212 -0.017624     1.171  0.052026  0.236814
               0.115709  0.226130     7.051  0.934348    -3.598 -0.270146
.
22801    2.300  0.092558 -0.169453    -6.454     2.017    -2.563 -0.247405
              -0.063194  0.214371  0.147334  0.088550 -0.147645  0.317380
.
.
23101        0 -0.101349  0.063893 -0.141436  0.088225 -0.132362 -0.186622
               0.162011 -0.118622     7.500     3.054    -3.005  0.278701
.
23101    2.300  0.113549 -0.112430    -8.296  0.685316    -4.266 -0.096437
              -0.052887  0.057700  0.015157     2.457  0.067950  0.062644
.
.
23111        0 -0.287013  0.047337 -0.416323     2.489 -0.253650 -0.017047
               0.358931 -0.013193     7.861  0.480943 -0.754859 -0.028217
.
23111    2.300 -0.010459  0.145139    -8.205     3.028    -1.903  0.170566
               0.082377 -0.110995  0.010765 -0.058610  0.032629 -0.137303
.
.
23121        0 -0.060830  0.157946 -0.702679     2.132 -0.413210 -0.162681
               0.089778 -0.137886     9.103  0.325294 -0.398028  0.137311
.
23121    2.300  0.308857  0.212930    -7.247     2.516  0.504400  0.251345
               0.020091 -0.192871  0.007991 -0.089069  0.018814 -0.230579
.
.
23131        0 -0.000965  0.230529 -0.911259     1.569 -0.561995 -0.259420
               0.017129 -0.223436    10.117  0.165478 -0.324818  0.250978
.
23131    2.300  0.019967  0.252379    -6.437     1.795     2.297  0.295077
              -0.003803 -0.245286  0.002684 -0.060584  0.003522 -0.287206
.
.
23141        0 -0.003225  0.032326    -1.034  0.793578 -0.668451 -0.037055
               0.016266 -0.030636    10.730  0.099778 -0.285876  0.035063
.
23141    2.300  0.013523  0.039904    -5.943  0.893510     3.362  0.046306
              -0.000483 -0.038215  4.87E-05 -0.000155  0.000138 -0.044411
.
.
23151        0 -0.004644 -8.53E-06    -1.074  1.86E-06 -0.705077  9.69E-06
               0.016888 -1.01E-07    10.933  2.88E-07 -0.272209  1.71E-07
.
23151    2.300  0.011973 -8.50E-06    -5.780  2.15E-06     3.713 -9.88E-06
               0.000271 -1.42E-07  1.15E-05  7.28E-11  8.82E-05 -1.04E-07
.
.
23161        0 -0.003211 -0.032328    -1.034 -0.793574 -0.668454  0.037057
               0.016266  0.030645    10.730 -0.099777 -0.285881 -0.035073
.
23161    2.300  0.013538 -0.039906    -5.943 -0.893506     3.362 -0.046308
              -0.000483  0.038223  4.87E-05  0.000155  0.000138  0.044421
.
.
```

23171	0	-0.000965	-0.230529	-0.911260	-1.569	-0.561996	0.259420
		0.017129	0.223444	10.117	-0.165477	-0.324818	-0.250987
.							
23171	2.300	0.019967	-0.252379	-6.437	-1.795	2.297	-0.295077
		-0.003803	0.245294	0.002684	0.060584	0.003522	0.287215
.							
.							
23181	0	-0.060837	-0.157954	-0.702681	-2.132	-0.413209	0.162690
		0.089756	0.137887	9.103	-0.325293	-0.398033	-0.137312
.							
23181	2.300	0.008850	-0.212938	-7.247	-2.516	0.504409	-0.251354
		0.020069	0.192872	0.007991	0.059069	0.018814	0.230580
.							
.							
23191	0	-0.287006	-0.047353	-0.416319	-2.489	-0.253659	0.017066
		0.358931	0.013193	7.861	-0.480943	-0.754862	0.028217
.							
23191	2.300	-0.010437	-0.145155	-8.205	-3.028	-1.903	-0.170584
		0.082362	0.110995	0.010765	0.058610	0.032629	0.137303
.							
.							
23201	0	0.015052	0.056884	-0.076047	3.388	0.099318	-0.065965
		0.036438	-0.067353	8.104	-2.422	-3.644	0.085462
.							
23201	2.300	0.035107	0.038838	-7.779	0.997448	-3.115	0.044352
		0.016383	-0.049307	0.167634	-0.031613	0.048187	-0.048934
.							
.							
23211	0	0.020355	-0.119417	-0.027718	-0.016978	0.024426	0.133978
		0.047263	0.118513	8.141	0.946864	-1.938	-0.132639
.							
23211	2.300	0.095864	-0.167790	-8.126	-2.258	-1.106	-0.185401
		-0.028246	0.166886	0.599833	3.188	-0.132319	0.184661
.							
.							
23221	0	-0.009047	-0.162739	-0.032575	-0.018572	0.004905	0.185465
		0.056866	0.162854	7.942	0.829426	0.015868	-0.187982
.							
23221	2.300	0.069080	-0.176604	-9.203	-1.854	-0.389607	-0.206479
		-0.021262	0.176719	1.473	2.665	0.617780	0.204225
.							
.							
23231	0	-0.016581	-0.160022	-0.036191	-0.021681	-0.014963	0.185017
		0.042750	0.158044	7.809	0.623649	1.565	-0.184662
.							
23231	2.300	0.029131	-0.161452	-10.047	-1.305	0.116819	-0.187764
		-0.002962	0.159474	2.180	1.907	1.325	0.183570
.							
.							
23241	0	-0.013714	-0.155209	-0.036418	-0.025667	-0.035289	0.180142
		0.027617	0.153247	7.763	0.346378	2.517	-0.178743
.							
23241	2.300	0.012148	-0.155108	-10.538	-0.682969	0.462856	-0.177972
		0.001755	0.153146	2.625	1.004	1.806	0.174858
.							
.							
23251	0	-0.016961	-8.20E-08	-0.042765	-9.03E-09	-0.084319	1.42E-07
		0.027237	7.99E-06	7.763	8.21E-07	2.876	-9.19E-06
.							
23251	2.300	0.003562	-1.49E-08	-10.703	-1.58E-06	0.531578	2.24E-08
		0.006714	7.92E-06	2.784	2.39E-06	2.031	9.10E-06
.							
.							
23261	0	-0.013736	0.155217	-0.036419	0.025667	-0.035289	-0.180152
		0.027595	-0.153239	7.763	-0.346377	2.517	0.178733
.							
23261	2.300	0.012112	0.155117	-10.538	0.682966	0.462850	0.177982
		0.001748	-0.153138	2.625	-1.004	1.806	-0.174849
.							
.							
23271	0	-0.016595	0.160014	-0.036191	0.021681	-0.014963	-0.185008
		0.042728	-0.158052	7.809	-0.623648	1.565	0.184671
.							
23271	2.300	0.029117	0.161444	-10.047	1.305	0.116813	0.187755
		-0.002984	-0.159482	2.181	-1.907	1.325	-0.183579
.							
.							
23281	0	-0.009047	0.162739	-0.032575	0.018572	0.004905	-0.185465
		0.056858	-0.162346	7.942	-0.829426	0.015883	0.187972
.							
23281	2.300	0.069080	0.176604	-9.203	1.854	-0.389612	0.206479
		-0.021269	-0.176711	1.473	-2.665	0.617784	-0.204216
.							
.							
23291	0	0.020384	0.118425	-0.027718	0.016978	0.024426	-0.133987
		0.047255	-0.118497	8.141	-0.946864	-1.938	0.132621
.							
23291	2.300	0.095893	0.167797	-8.126	2.258	-1.106	0.185410
		-0.028254	-0.166870	0.599845	-3.188	-0.132305	-0.184643
.							
.							
23301	0	0.026513	0.054403	-0.167635	0.031613	0.043189	-0.054474
		0.036687	-0.047202	7.779	-0.997443	-3.115	0.053361
.							
23301	2.300	0.058928	0.065670	-8.104	2.422	-3.644	0.083265
		0.004271	-0.058468	0.076051	-3.388	0.099322	-0.067815
.							
.							
23311	0	-0.023039	-0.177098	-0.599831	-3.188	-0.132326	0.196455
		0.095527	0.156187	8.126	2.258	-1.106	-0.173222
.							
23311	2.300	0.056332	-0.143367	-8.141	-0.946866	-1.938	-0.162501
		0.016156	0.122457	0.027717	0.016978	0.024425	0.137642
.							
.							
23321	0	-0.014979	-0.188260	-1.473	-2.665	0.617768	0.217584
		0.060179	0.163664	9.203	1.854	-0.389608	-0.192660
.							
23321	2.300	0.056756	-0.188648	-7.942	-0.829428	0.015878	-0.218834
		-0.011556	0.164052	0.032575	0.018572	0.004904	0.187190
.							
.							
23331	0	0.004981	-0.168503	-2.160	-1.907	1.325	0.194098
		0.014884	0.151779	10.047	1.305	0.116820	-0.177212
.							
23331	2.300	0.037557	-0.177164	-7.809	-0.623650	1.565	-0.207228
		-0.017692	0.160440	0.036191	0.021681	-0.014964	0.185651
.							

```
.
23341       0  0.011073 -0.157929    -2.625    -1.004     1.806  0.180441
              -0.004308  0.150118    10.538  0.682969  0.462857 -0.172448
.
23341   2.300  0.020772 -0.163104    -7.763 -0.346379     2.517 -0.190287
              -0.014006  0.155293  0.036419  0.025666 -0.035290  0.180316
.
.
23351       0  0.016478 -8.20E-08    -2.784 -2.39E-06     2.031  1.56E-07
              -0.013436  2.46E-07    10.703  1.58E-06  0.531588 -3.43E-07
.
23351   2.300  0.020033 -1.60E-07    -7.763 -8.21E-07     2.876 -1.27E-07
              -0.016990  3.20E-07  0.042766  8.86E-09 -0.084319  3.20E-07
.
.
23361       0  0.011073  0.157929    -2.625     1.004     1.806 -0.180442
              -0.004323 -0.150126    10.538 -0.682966  0.462859  0.172457
.
23361   2.300  0.020772  0.163104    -7.763  0.346377     2.517  0.190287
              -0.014021 -0.155301  0.036419 -0.025667 -0.035290 -0.180325
.
.
23371       0  0.005003  0.168503    -2.180     1.907     1.325 -0.194098
               0.014884 -0.151779    10.047    -1.305  0.116822  0.177211
.
23371   2.300  0.037579  0.177164    -7.809  0.623649     1.565  0.207228
              -0.017692 -0.160440  0.036191 -0.021681 -0.014964 -0.185650
.
.
23381       0 -0.014964  0.188269    -1.473     2.665  0.617772 -0.217594
               0.060179 -0.163672     9.203    -1.854 -0.389603  0.182669
.
23381   2.300  0.056771  0.188656    -7.942  0.829427  0.015886  0.218844
              -0.011556 -0.164060  0.032575 -0.018572  0.004904 -0.187199
.
.
23391       0 -0.023039  0.177098 -0.599844     3.188 -0.132312 -0.196455
               0.095520 -0.156195     8.126    -2.258    -1.106  0.173231
.
23391   2.300  0.056332  0.143367    -8.141  0.946866    -1.938  0.162500
               0.016149 -0.122465  0.027717 -0.016978  0.024425 -0.137651
.
.
23401       0 -0.056259 -0.062110 -0.015156    -2.457  0.067951  0.067386
               0.163568  0.115080     8.296 -0.685320    -4.266 -0.099045
.                                                                .
23401   2.300  0.189343  0.111966    -7.500    -3.054    -3.005  0.271796
              -0.082033 -0.058996  0.141436 -0.088223 -0.132361 -0.181630
.
.
23411       0  0.081075  0.113224 -0.010763  0.058611  0.032627 -0.139786
              -0.000965 -0.174354     8.205    -3.028    -1.903  0.199096
.
23411   2.300  0.360496 -0.003794    -7.861 -0.480944 -0.754860 -0.051372
              -0.280386 -0.057336  0.416323    -2.489 -0.253651 -0.029912
.
.
23421       0  0.019331  0.193831 -0.007990  0.059070  0.018812 -0.231633
              -0.004176 -0.233645     7.247    -2.516  0.504399  0.273776
```

```
.
23421   2.300  0.073351  0.126361    -9.103 -0.325295 -0.398033  0.123014
              -0.058197 -0.166175  0.702680    -2.132 -0.413209 -0.172440
.
.
23431       0 -0.004176  0.245475 -0.002684  0.060584  0.003521 -0.287369
               0.002267 -0.265315     6.437    -1.795     2.297  0.309615
.
23431   2.300 -0.003942  0.216474   -10.117 -0.165479 -0.324815  0.242749
               0.002033 -0.236315  0.911262    -1.569 -0.561994 -0.266133
.
.
23441       0 -0.000490  0.038200 -4.86E-05  0.000155  0.000138 -0.044394
              -0.005405 -0.046293     5.943 -0.893511     3.362  0.053547
.
23441   2.300 -0.006107  0.027302   -10.730 -0.099778 -0.285877  0.031119
               0.000212 -0.035396     1.034 -0.793577 -0.668449 -0.040582
.
.
23451       0  0.000278         0 -1.15E-05 -4.37E-11  8.82E-05         0
              -0.007160  8.57E-08     5.780 -2.15E-06     3.713 -1.56E-07
.
23451   2.300 -0.005968 -5.22E-08   -10.933 -2.88E-07 -0.272210 -5.96E-08
              -0.000914  1.45E-07     1.074 -1.86E-06 -0.705077  1.04E-07
.
.
23461       0 -0.000483 -0.038192 -4.86E-05 -0.000155  0.000138  0.044385
              -0.005361  0.046293     5.943  0.893506     3.362 -0.053546
.
23461   2.300 -0.006085 -0.027294   -10.730  0.099778 -0.285882 -0.031111
               0.000241  0.035395     1.034  0.793574 -0.668451  0.040581
.
.
23471       0 -0.004184 -0.245475 -0.002683 -0.060584  0.003520  0.287369
               0.002253  0.265307     6.437     1.795     2.297 -0.309606
.
23471   2.300 -0.003950 -0.216474   -10.117  0.165478 -0.324817 -0.242749
               0.002019  0.236307  0.911264     1.569 -0.561993  0.266124
.
.
23481       0  0.019345 -0.193823 -0.007990 -0.059070  0.018812  0.231624
              -0.004154  0.233644     7.247     2.516  0.504406 -0.273775
.
23481   2.300  0.073381 -0.126353    -9.103  0.325295 -0.398029 -0.123005
              -0.058190  0.166174  0.702680     2.132 -0.413212  0.172439
.
.
23491       0  0.081082 -0.113216 -0.010763 -0.058611  0.032627  0.139776
              -0.000973  0.174346     8.205     3.028    -1.903 -0.199086
.
23491   2.300  0.360503  0.003802    -7.861  0.480943 -0.754862  0.051382
              -0.280394  0.057328  0.416318     2.489 -0.253660  0.029903
.
.
23501       0 -0.101334 -0.063886 -0.141434 -0.088225 -0.132365  0.186613
               0.162011  0.118622     7.500    -3.054    -3.005 -0.278700
.
23501   2.300  0.113563  0.112437    -8.296 -0.685317    -4.266  0.096446
              -0.052887 -0.057701  0.015210    -2.457  0.068012 -0.062644
```

```
.
.
23601       0  0.015067 -0.056893 -0.075972    -3.388  0.099231  0.065975
               0.036423  0.067346     8.104     2.422    -3.644 -0.085453
.
23601   2.300  0.035107 -0.038846    -7.779 -0.997448    -3.115 -0.044361
               0.016383  0.049299  0.167633  0.031613  0.048186  0.048924
.
.
23701       0  0.026513 -0.054403 -0.167635 -0.031613  0.048188  0.054474
               0.036687  0.047210     7.779  0.997449    -3.115 -0.053371
.
23701   2.300  0.058928 -0.065670    -8.104    -2.422    -3.644 -0.083266
               0.004271  0.058477  0.075976     3.388  0.099236  0.067825
.
.
23801       0 -0.056237  0.062119 -0.015210     2.457  0.068013 -0.067397
               0.163590 -0.115071     8.296  0.685321    -4.266  0.099035
.
23801   2.300  0.189365 -0.111956    -7.500     3.054    -3.005 -0.271785
              -0.082011  0.059005  0.141434  0.088223 -0.132364  0.181640
.
.
24101       0 -0.084673  0.217696 -0.147336  0.088554 -0.147644 -0.320651
               0.074717 -0.173406     6.454     2.017    -2.563  0.251580
.
24101   2.300  0.073956  0.227881    -7.051  0.934349    -3.598  0.272271
              -0.083912 -0.183590  0.017605     3.171  0.052004 -0.239478
.
.
24111       0 -0.309553  0.023820 -0.396409     1.265 -0.177320 -0.002485
               0.271861 -0.040615     6.532  0.727788 -0.772741  0.025069
.
24111   2.300 -0.063949  0.102678    -7.214     2.056    -2.214  0.124342
               0.026257 -0.119473  0.009788 -0.063526  0.034712 -0.140385
.
.
24121       0 -0.115091  0.131282 -0.656374     1.089 -0.233687 -0.129970
               0.106757 -0.150619     7.344  0.570443 -0.458418  0.154430
.
24121   2.300 -0.029601  0.167981    -6.660     1.723 -0.671859  0.201574
               0.021267 -0.187318  0.008097 -0.064076  0.020622 -0.221588
.
.
24131       0 -0.016313  0.123874 -0.857080  0.776424 -0.304964 -0.136898
               0.019676 -0.137426     8.069  0.404381 -0.415604  0.152908
.
24131   2.300  0.006394  0.129652    -6.130     1.209  0.516605  0.151813
              -0.003032 -0.143204  0.003341 -0.028371  0.010956 -0.166972
.
.
24141       0 -0.006956  0.039827 -0.980225  0.398897 -0.352098 -0.045131
               0.012789 -0.048263     8.529  0.217106 -0.418675  0.054858
.
24141   2.300  0.005583  0.031732    -5.791  0.616175     1.250  0.037000
               0.000250 -0.040168  6.68E-05 -0.000172  0.000206 -0.046677
.
.
24151       0 -0.006394  0.065070    -1.021  0.011545 -0.369664 -0.074150
               0.013378 -0.070051     8.685 -0.000239 -0.419800  0.079934
.
24151   2.300  0.006457  0.049988    -5.676  0.011458     1.497  0.058025
               0.000527 -0.054969  6.21E-05 -0.000152  0.000206 -0.063697
.
.
24161       0 -0.004055  0.072106 -0.973591 -0.375402 -0.350306 -0.081542
               0.012561 -0.075739     8.529 -0.217570 -0.418672  0.085840
.
24161   2.300  0.008447  0.050834    -5.784 -0.592854     1.267  0.059405
               5.93E-05 -0.054466  9.63E-05 -0.000118  0.000275 -0.063461
.
.
24171       0  0.001241 -0.007617 -0.840929 -0.744365 -0.299883  0.007980
               0.010284  0.002358     8.068 -0.412231 -0.416942 -0.001515
.
24171   2.300  0.018185 -0.037584    -6.114    -1.177  0.558819 -0.042778
              -0.006659  0.032325  0.001847  0.020694  0.006200  0.037148
.
.
24181       0 -0.030197 -0.081719 -0.628863    -1.067 -0.222723  0.085209
               0.051061  0.071342     7.341 -0.566411 -0.462370 -0.071724
.
24181   2.300  0.031912 -0.123714    -6.633    -1.702 -0.597653 -0.141311
              -0.011048  0.113337  0.005264  0.068278  0.010224  0.130930
.
.
24191       0 -0.140818 -0.093333 -0.358837    -1.240 -0.152269  0.091553
               0.183467  0.079456     6.530 -0.724642 -0.781094 -0.073150
.
24191   2.300  0.057137 -0.126338    -7.176    -2.032    -2.103 -0.143558
              -0.014489  0.112461  0.007627  0.066838  0.021670  0.130043
.
.
24201       0 -0.020998 -0.149466 -0.064739     2.062  0.084411  0.153259
               0.048541  0.158439     6.920    -1.496    -3.117 -0.168504
.
24201   2.300  0.015109  0.003619    -6.664  0.591236    -2.661 -0.001783
               0.012433  0.005354  0.179188 -0.025096  0.054411  0.007175
.
.
24211       0  0.001734 -0.147251 -0.031381 -0.023452  0.030337  0.166646
              -0.004804  0.144579     6.881  0.567775    -2.177 -0.166040
.
24211   2.300  0.089994 -0.156612    -6.840    -1.407    -1.304 -0.180431
              -0.093064  0.153940  0.349916     1.951 -0.429160  0.174891
.
.
24221       0 -0.021984 -0.204935 -0.036069 -0.024129  0.012270  0.234444
               0.010624  0.195577     6.656  0.499108 -0.999756 -0.223966
.
24221   2.300  0.049046 -0.229100    -7.609    -1.163 -0.946995 -0.267654
              -0.060406  0.219742  0.889696     1.638 -0.154785  0.256608
.
.
24231       0 -0.022527 -0.227253 -0.040699 -0.025654 -0.006023  0.261443
               0.014124  0.217892     6.457  0.379788 -0.010793 -0.250236
.
24231   2.300  0.017798 -0.247096    -8.269 -0.826775 -0.764118 -0.286745
```

```
                -0.026201  0.237735     1.346     1.181  0.163637  0.276422
.
.
24241       0 -0.020898 -0.223002 -0.040522 -0.027622 -0.026333  0.257928
               0.017461  0.216715     6.338  0.218363  0.623916 -0.250209
.
24241   2.300  0.001834 -0.241191    -8.676 -0.439295 -0.646568 -0.276899
              -0.005271  0.234904     1.634  0.630036  0.387760  0.270160
.
.
24251       0 -0.024838 -0.079664 -0.037313  0.003245 -0.102820  0.092773
               0.026179  0.076780     6.297  0.000177  0.912817 -0.088929
.
24251   2.300 -0.005923 -0.097715    -8.808  0.003159 -0.666071 -0.110965
               0.007265  0.094831     1.728  0.000262  0.532357  0.108176
.
.
24261       0 -0.014891  0.015463 -0.039832  0.027014 -0.039461 -0.017791
               0.022199 -0.015870     6.334 -0.211429  0.653175  0.019048
.
24261   2.300  0.010162 -0.002001    -8.675  0.438517 -0.658109 -0.001149
              -0.002854  0.001594     1.629 -0.622932  0.406955  0.001469
.
.
24271       0 -0.019467  0.020574 -0.037822  0.025632 -0.018681 -0.025147
               0.036108 -0.019966     6.443 -0.374913  0.037036  0.025666
.
24271   2.300  0.017888  0.006508    -8.266  0.826585 -0.770160  0.007056
              -0.001248 -0.005900     1.332    -1.176  0.181143 -0.005138
.
.
24281       0 -0.043241  0.025916 -0.031321  0.024343 -0.001297 -0.034432
               0.072814 -0.025486     6.630 -0.496595 -0.927633  0.035302
.
24281   2.300 -0.005611  0.025423    -7.604     1.163 -0.949656  0.021599
               0.035184 -0.024993  0.863324    -1.636 -0.143354 -0.019741
.
.
24291       0 -0.089826  0.039294 -0.024251  0.023616  0.014936 -0.050257
               0.130344 -0.038717     6.838 -0.567315    -2.079  0.049970
.
24291   2.300 -0.097761  0.078653    -6.833     1.407    -1.303  0.076081
               0.138279 -0.078076  0.307482    -1.950 -0.429256 -0.075040
.
.
24301       0  0.023955 -0.002001 -0.179192  0.025097  0.054416  0.003566
               0.013918 -0.007300     6.664 -0.591236    -2.661  0.002240
.
24301   2.300  0.067886 -0.158918    -6.920     1.496    -3.117 -0.169115
              -0.030013  0.149617  0.064738    -2.062  0.384410  0.153530
.
.
24311       0 -0.085266 -0.159037 -0.349916    -1.951 -0.429158  0.180652
               0.088129  0.150996     6.840     1.407    -1.304 -0.174616
.
24311   2.300  0.005652 -0.158197    -6.881 -0.567775    -2.177 -0.182565
              -0.002789  0.150155  0.031380  0.023452  0.030335  0.170107
.
.
```

```
24321       0 -0.053444 -0.226253 -0.889695    -1.638 -0.154785  0.264021
               0.041591  0.221829     7.609     1.163 -0.946995 -0.259903
.
24321   2.300  0.013219 -0.210881    -6.656 -0.499108 -0.999753 -0.242428
              -0.025072  0.206456  0.036068  0.024130  0.012268  0.236370
.
.
24331       0 -0.019161 -0.243105    -1.346    -1.181  0.163636  0.282630
               0.006441  0.241126     8.269  0.826776 -0.764117 -0.280231
.
24331   2.300  0.011457 -0.229797    -6.457 -0.379788 -0.010792 -0.264394
              -0.024177  0.227819  0.040699  0.025655 -0.006025  0.262244
.
.
24341       0  0.002339 -0.237834    -1.634 -0.630035  0.387760  0.273570
              -0.011291  0.237898     8.676  0.439295 -0.646563 -0.273241
.
24341   2.300  0.012570 -0.223017    -6.338 -0.218362  0.623914 -0.257630
              -0.021522  0.223082  0.040522  0.027622 -0.026334  0.258108
.
.
24351       0  0.014975 -0.094638    -1.728 -0.000262  0.532355  0.108184
              -0.019305  0.097534     8.808 -0.003159 -0.666073 -0.110755
.
24351   2.300  0.020565 -0.076796    -6.297 -0.000177  0.912819 -0.088947
              -0.024894  0.079492  0.037313 -0.003244 -0.102820  0.092576
.
.
24361       0  0.004626  0.001206    -1.629  0.622932  0.406953 -0.001822
              -0.002739  0.005061     8.675 -0.438516 -0.658112 -0.004513
.
24361   2.300  0.017202  0.022033    -6.334  0.211430  0.653178  0.026282
              -0.015315 -0.015766  0.039832 -0.027013 -0.039461 -0.018204
.
.
24371       0  0.005181  0.011077    -1.332     1.176  0.181141 -0.011208
               0.007046 -0.000618     8.266 -0.826584 -0.770162  0.000673
.
24371   2.300  0.032854  0.031695    -6.443  0.374914  0.037039  0.039547
              -0.020627 -0.021236  0.037822 -0.025631 -0.018680 -0.026026
.
.
24381       0  0.040462  0.031292 -0.863323     1.636 -0.143354 -0.027077
              -0.012240 -0.017974     7.604    -1.163 -0.949659  0.013679
.
24381   2.300  0.073849  0.040636    -6.630  0.496596 -0.927630  0.053434
              -0.045627 -0.027318  0.031322 -0.024343 -0.001296 -0.036201
.
.
24391       0  0.142643  0.083084 -0.307483     1.950 -0.429255 -0.080892
              -0.098488 -0.072680     6.833    -1.407    -1.303  0.069880
.
24391   2.300  0.137602  0.052387    -6.838  0.567315    -2.079  0.066376
              -0.093447 -0.041982  0.024252 -0.023615  0.014937 -0.053458
.
.
24401       0 -0.086357  0.181207 -0.017605    -1.171  0.052094 -0.236809
               0.115734 -0.226130     7.051 -0.934348    -3.598  0.270146
.
```

```
24401   2.300  0.092558  0.169449    -6.454    -2.017    -2.563  0.247400
              -0.063182 -0.214372  0.147337 -0.088550 -0.147641 -0.317381
.
.
24411       0  0.025134  0.121546 -0.009786  0.063527  0.034709 -0.142722
              -0.051211 -0.122394     7.214    -2.056    -2.214  0.143345
.
24411   2.300  0.274082  0.030034    -6.532 -0.727787 -0.772742  0.010539
              -0.300158 -0.030882  0.396409    -1.265 -0.177321 -0.011866
.
.
24421       0  0.020443  0.188452 -0.008086  0.064077  0.020619 -0.222864
              -0.037598 -0.182919     6.660    -1.723 -0.671860  0.217444
.
24421   2.300  0.094492  0.142438    -7.344 -0.570443 -0.458417  0.144060
              -0.111648 -0.136905  0.656372    -1.089 -0.233689 -0.136753
.
.
24431       0 -0.003531  0.143652 -0.003340  0.028372  0.010954 -0.167453
              -0.007293 -0.138976     6.130    -1.209  0.516606  0.162266
.
24431   2.300  0.002732  0.132325    -8.069 -0.404381 -0.415605  0.146801
              -0.013556 -0.127648  0.857078 -0.776424 -0.304966 -0.141232
.
.
24441       0  0.000250  0.040153 -6.67E-05  0.000171  0.000206 -0.046660
              -0.009283 -0.036148     5.791 -0.616174     1.250  0.042051
.
24441   2.300 -0.005090  0.045640    -8.529 -0.217107 -0.418673  0.051759
              -0.003943 -0.041634  0.980225 -0.398896 -0.352099 -0.047154
.
.
24451       0  0.000527  0.054955 -6.22E-05  0.000152  0.000206 -0.063681
              -0.008453 -0.050091     5.676 -0.011457     1.497  0.058145
.
24451   2.300 -0.004838  0.069985    -8.685  0.000239 -0.419802  0.079858
              -0.003088 -0.065122     1.021 -0.011544 -0.369665 -0.074209
.
.
24461       0  5.93E-05  0.054454 -9.66E-05  0.000117  0.000275 -0.063448
              -0.006447 -0.046626     5.784  0.592855     1.267  0.054593
.
24461   2.300 -0.005331  0.078230    -8.529  0.217570 -0.418677  0.088788
              -0.001057 -0.070401  0.973591  0.375403 -0.350307 -0.079638
.
.
24471       0 -0.007009 -0.032690 -0.001846 -0.020694  0.006199  0.037538
              0.004336  0.046488     6.114     1.177  0.558815 -0.052776
.
24471   2.300 -0.006510  0.002729    -8.068  0.412231 -0.416944  0.004586
              0.003837  0.011068  0.840928  0.744366 -0.299884  0.011909
.
.
24481       0 -0.011784 -0.114272 -0.005265 -0.068278  0.010225  0.131957
              0.023200  0.137828     6.633     1.702 -0.597652 -0.156338
.
24481   2.300  0.038971 -0.063012    -7.341  0.566411 -0.462374 -0.061172
             -0.027555  0.086568  0.628863     1.067 -0.222724  0.090963
.
```

```
.
24491       0 -0.015774 -0.114334 -0.007627 -0.066837  0.021670  0.132122
              0.067330  0.144566     7.176     2.032    -2.103 -0.161168
.
24491   2.300  0.186074 -0.068595    -6.530  0.724643 -0.781097 -0.058235
             -0.134517  0.098827  0.358837     1.240 -0.152269  0.098720
.
.
24501       0 -0.082549  0.034979 -0.106457 -0.072266 -0.095403  0.031555
              0.117711 -0.016237     6.454    -2.005    -2.563 -0.062797
.
24501   2.300  0.051376  0.202028    -7.010 -0.918225    -3.452  0.236020
             -0.016213 -0.183286  0.017283    -1.159  0.051765 -0.224157
.
.
24601       0  0.000836 -0.043436 -0.043747    -2.073  0.057796  0.057720
              0.035078  0.045557     6.863     1.506    -3.007 -0.062522
.
24601   2.300 -0.014885  0.087705    -6.644 -0.601730    -2.641  0.125534
              0.050799 -0.085584  0.123339  0.035341  0.034497 -0.125457
.
.
24701       0  0.057998  0.081001 -0.123337 -0.035340  0.034496 -0.120312
             -0.014283 -0.083615     6.644  0.601731    -2.641  0.121239
.
24701   2.300  0.050462 -0.045829    -6.863    -1.506    -3.007 -0.062618
             -0.006747  0.043213  0.043752     2.073  0.057802  0.057532
.
.
24801       0 -0.018859  0.185696 -0.017283     1.159  0.051765 -0.226788
              0.087699 -0.204930     7.010  0.918228    -3.452  0.239335
.
24801   2.300  0.136626  0.020404    -6.454     2.005    -2.563 -0.058286
             -0.067796 -0.039639  0.106457  0.072265 -0.095403  0.026596
.
.
25101       0 -0.038762  0.193980 -0.108483  0.051816 -0.101438 -0.256869
              0.040706 -0.174501     5.812     1.566    -2.297  0.227483
.
25101   2.300  0.092449  0.215045    -6.271  0.903494    -3.073  0.263389
             -0.090506 -0.195566  0.015486  0.714230  0.039216 -0.247976
.
.
25111       0 -0.190827  0.025769 -0.321827  0.755889 -0.123109 -0.015586
              0.177007 -0.029900     5.778  0.778416 -0.764869  0.021443
.
25111   2.300  0.013429  0.101891    -6.511     1.560    -2.121  0.119358
             -0.027249 -0.106022  0.007645 -0.026048  0.027404 -0.123001
.
.
25121       0 -0.094950  0.009248 -0.548893  0.648647 -0.152036  0.003289
              0.093660 -0.016741     6.378  0.641262 -0.461700  0.006376
.
25121   2.300 -0.015082  0.065163    -6.138     1.315 -0.980720  0.079035
              0.013792 -0.072655  0.006642 -0.025562  0.019384 -0.086601
.
.
25131       0 -0.014450  0.038451 -0.728756  0.480372 -0.188719 -0.040038
              0.019329 -0.044671     6.950  0.455951 -0.423984  0.047451
```

```
.
25131   2.300  0.006390  0.074634    -5.742  0.960707 -0.068129  0.087329
              -0.001510 -0.080854  0.003789 -0.024384  0.011336 -0.094221
.
.
25141       0  0.002012  0.049800 -0.839009  0.268146 -0.216287 -0.056765
               0.004066 -0.053977     7.327  0.248152 -0.430094  0.061557
.
25141   2.300  0.010435  0.076524    -5.473  0.539374  0.517807  0.088416
              -0.004357 -0.080701  0.000983 -0.023075  0.004507 -0.093231
.
.
25151       0 -0.000956  0.010083 -0.872009  0.012031 -0.222456 -0.011649
               0.007103 -0.012154     7.465  0.053187 -0.434036  0.014003
.
25151   2.300  0.007355  0.033241    -5.367  0.065766  0.753133  0.038411
              -0.001208 -0.035312  7.41E-05 -0.000548  0.000219 -0.040821
.
.
25161       0 -0.001404  0.012845 -0.823332 -0.220756 -0.207463 -0.014736
               0.007674 -0.012927     7.351 -0.164849 -0.418757  0.014823
.
25161   2.300  0.007511  0.034855    -5.432 -0.385080  0.633862  0.040251
              -0.001242 -0.034937  3.44E-05 -0.000525  0.000118 -0.040353
.
.
25171       0 -0.000938  0.014043 -0.693308 -0.429370 -0.169418 -0.016045
               0.007299 -0.012262     6.980 -0.375959 -0.369662  0.013936
.
25171   2.300  0.007630  0.036017    -5.673 -0.804821  0.166619  0.041494
              -0.001270 -0.034236  9.15E-06 -0.000508  5.40E-05 -0.039506
.
.
25181       0 -0.000172 -0.052567 -0.493762 -0.594134 -0.106280  0.060927
               0.004935  0.056292     6.342 -0.565727 -0.242369 -0.065624
.
25181   2.300  0.005074 -0.029720    -6.112  -1.160  -0.651901 -0.034332
              -0.000252  0.033444  1.42E-05  0.000483 -5.39E-06  0.038202
.
.
25191       0  0.024876 -0.086454 -0.291770 -0.736612  0.034101  0.103394
              -0.027671  0.092275     5.399 -0.671172  0.083895 -0.111454
.
25191   2.300  0.016639 -0.062368    -6.858  -1.447   -1.892  -0.069967
              -0.019494  0.068188  0.005766  0.039472  0.002934  0.075294
.
.
25201       0 -0.066372 -0.423084 -0.040390   1.474  0.052857  0.452579
               0.090937  0.425874     6.158  -1.073  -2.702  -0.457638
.
25201   2.300 -0.046058 -0.309109    -5.971  0.393921  -2.370 -0.386595
               0.070623  0.311900  0.128716  0.007177  0.037745  0.387953
.
.
25211       0 -0.139808 -0.157628 -0.019859 -0.015044  0.026930  0.187364
               0.148858  0.156480     6.110  0.400699  -2.066 -0.187331
.
25211   2.300 -0.091999 -0.123414    -6.073  -1.030   -1.294 -0.133562
               0.101049  0.122266  0.202976   1.416 -0.490908  0.130954
.
.
25221       0 -0.010414 -0.118183 -0.019566 -0.015437  0.019084  0.135562
               0.011910  0.113896     5.910  0.353152  -1.229 -0.131092
.
25221   2.300  0.037943 -0.092213    -6.668 -0.851141  -1.039 -0.107414
              -0.036447  0.087926  0.599377   1.189 -0.316031  0.102025
.
.
25231       0 -0.013412 -0.122789 -0.020382 -0.015981  0.012146  0.141487
               0.013166  0.118158     5.718  0.270887 -0.496615 -0.136209
.
25231   2.300  0.018334 -0.093239    -7.208 -0.599425 -0.940968 -0.108732
              -0.018580  0.088608  0.946360  0.854331 -0.192410  0.103360
.
.
25241       0 -0.009960 -0.122974 -0.019210 -0.017056  0.005373  0.141847
               0.010172  0.119977     5.589  0.159889 -0.005654 -0.138344
.
25241   2.300  0.007602 -0.091240    -7.557 -0.307361 -0.883967 -0.105631
              -0.007390  0.088242     1.167  0.450194 -0.058916  0.102241
.
.
25251       0 -0.005571 -0.120547 -0.016313 -0.018351 -0.000281  0.139225
               0.006566  0.120006     5.531  0.031946  0.197680 -0.138549
.
25251   2.300  0.004944 -0.087942    -7.682  0.002594 -0.862011 -0.101059
              -0.003949  0.087400     1.237  0.011000 -0.009552  0.100488
.
.
25261       0 -0.006122 -0.057725 -0.016408  0.009271 -0.033553  0.066980
               0.007724  0.059826     5.547 -0.126357  0.131191 -0.069383
.
25261   2.300  0.001451 -0.024384    -7.582  0.341573 -0.916947 -0.027759
               0.000151  0.026485     1.153 -0.458659 -0.017431  0.030190
.
.
25271       0 -0.002848 -0.056778 -0.014818  0.009808 -0.021591  0.065661
               0.004542  0.061282     5.639 -0.242681 -0.276820 -0.070916
.
25271   2.300  0.002398 -0.022695    -7.245  0.635894 -0.949348 -0.026142
              -0.000705  0.027199  0.909291 -0.868767 -0.167905  0.031246
.
.
25281       0 -0.000833 -0.054713 -0.010705  0.009885 -0.013071  0.063287
               0.001415  0.060860     5.815 -0.329815 -0.962527 -0.070598
.
25281   2.300  0.000285 -0.020690    -6.659  0.890230 -0.956648 -0.024124
               0.000296  0.026838  0.503069   -1.210 -0.423376  0.030951
.
.
25291       0  0.009159 -0.075525 -0.142613   -1.435 -0.582314  0.088403
              -0.011428  0.081840     6.196    1.064   -1.276 -0.096093
.
25291   2.300  0.002961 -0.044145    -5.906 -0.370952   -1.689 -0.050254
              -0.005231  0.050461  4.82E-05  0.000539  4.00E-05  0.057088
.
.
25301       0  0.078917 -0.309755 -0.128722 -0.007176  0.037751  0.385702
```

```
                -0.046606  0.305187     5.971 -0.393921    -2.370 -0.382180
.
25301    2.300   0.105137 -0.427024    -6.158    1.073    -2.702 -0.458940
                -0.072826  0.422456  0.040386   -1.474  0.052852  0.451956
.
.
25311        0   0.107419 -0.125548 -0.202978   -1.416 -0.430906  0.134726
                -0.093302  0.119157     6.073    1.030   -1.294 -0.129151
.
25311    2.300   0.157197 -0.166018    -6.110 -0.400699    -2.066 -0.198841
                -0.143080  0.159628  0.019858  0.015044  0.026928  0.189719
.
.
25321        0 -0.030230 -0.092062 -0.599377   -1.189 -0.376029  0.106770
                 0.031707  0.086867     6.668  0.851141   -1.039 -0.101747
.
25321    2.300   0.014380 -0.124601    -5.910 -0.353151    -1.229 -0.143994
                -0.012903  0.119406  0.019565  0.015437  0.019082  0.137069
.
.
25331        0 -0.012053 -0.091935 -0.946361 -0.854331 -0.132408  0.107231
                 0.008406  0.088728     7.208  0.599425 -0.940969 -0.103844
.
25331    2.300   0.011225 -0.126564    -5.718 -0.270887 -0.496617 -0.146229
                -0.014872  0.123357  0.020382  0.015981  0.012144  0.142239
.
.
25341        0 -0.000225 -0.089747    -1.167 -0.450194 -0.058916  0.104014
                -0.004356  0.088651     7.557  0.307361 -0.833968 -0.102776
.
25341    2.300   0.006073 -0.124257    -5.589 -0.159889 -0.005655 -0.143414
                -0.010653  0.123161  0.019210  0.017056  0.005372  0.142129
.
.
25351        0   0.003429 -0.086646    -1.237 -0.011000 -0.009548  0.099586
                -0.007601  0.087762     7.682 -0.002594 -0.862013 -0.100827
.
25351    2.300   0.001616 -0.119437    -5.531 -0.031945  0.197679 -0.137941
                -0.005789  0.120553  0.016313  0.018351 -0.000281  0.139266
.
.
25361        0   0.006661 -0.023493    -1.153  0.458659 -0.017426  0.026563
                -0.010287  0.026871     7.582 -0.341573 -0.916948 -0.030412
.
25361    2.300   0.002489 -0.054291    -5.547  0.126357  0.131189 -0.062982
                -0.006115  0.057668  0.016408 -0.009271 -0.033553  0.066920
.
.
25371        0   0.003378 -0.022420 -0.909290  0.868767 -0.167905  0.025395
                -0.006361  0.027891     7.245 -0.635894 -0.949347 -0.031579
.
25371    2.300  -0.000145 -0.051230    -5.639  0.242681 -0.276821 -0.059175
                -0.002837  0.056701  0.014818 -0.009808 -0.021591  0.065574
.
.
25381        0   0.000106 -0.021224 -0.503069     1.210 -0.423375  0.023970
                -0.001692  0.028108     6.659 -0.890230 -0.956648 -0.031650
.
25381    2.300  -0.000777 -0.047743    -5.815  0.329815 -0.962528 -0.055034
```



```
                -0.000808  0.054627  0.010705 -0.009885 -0.013071  0.063138
.
.
25391        0  -0.005242 -0.050496 -4.82E-05 -0.000539  4.02E-05  0.057128
                 0.006407  0.057344     5.906  0.370951    -1.689 -0.064623
.
25391    2.300  -0.002267 -0.073777    -6.196    -1.064    -1.276 -0.085436
                 0.003431  0.080625  0.142612     1.435 -0.582314  0.093692
.
.
25401        0  -0.092385  0.193464 -0.015486 -0.714231  0.039216 -0.245566
                 0.124688 -0.214435     6.271 -0.903493    -3.073  0.262692
.
25401    2.300   0.055136  0.170585    -5.812    -1.566    -2.297  0.223235
                -0.022836 -0.191557  0.108483 -0.051813 -0.101438 -0.254340
.
.
25411        0  -0.028284  0.107574 -0.007644  0.026048  0.027403 -0.124733
                 0.025146 -0.116604     6.511    -1.560    -2.121  0.133695
.
25411    2.300   0.179507  0.021572    -5.778 -0.778416 -0.764867  0.010153
                -0.182645 -0.030603  0.321828 -0.755890 -0.123108 -0.021961
.
.
25421        0   0.013155  0.073646 -0.006641  0.025562  0.019382 -0.087718
                -0.020996 -0.077135     6.138    -1.315 -0.980715  0.091702
.
25421    2.300   0.083738  0.009694    -6.378 -0.641261 -0.461698 -0.002555
                -0.091580 -0.013184  0.543892 -0.648647 -0.152037 -0.001436
.
.
25431        0  -0.001946  0.081322 -0.003788  0.024384  0.011334 -0.094738
                -0.005271 -0.082425     5.742 -0.960707 -0.068124  0.096037
.
25431    2.300   0.004620  0.039765    -6.950 -0.455951 -0.423981  0.041575
                -0.011838 -0.040868  0.728755 -0.480372 -0.188719 -0.042812
.
.
25441        0  -0.004558  0.080816 -0.000982  0.023075  0.004506 -0.093343
                -0.002353 -0.080564     5.473 -0.539374  0.517812  0.093027
.
25441    2.300  -0.011885  0.050847    -7.327 -0.248153 -0.430091  0.057918
                 0.004974 -0.050595  0.839007 -0.268146 -0.216288 -0.057652
.
.
25451        0  -0.001219  0.035284 -7.39E-05  0.000547  0.000218 -0.040798
                -0.005766 -0.033914     5.367 -0.065766  0.753138  0.039187
.
25451    2.300  -0.009083  0.010652    -7.465 -0.053187 -0.434035  0.012280
                 0.002097 -0.009281  0.872010 -0.012031 -0.222456 -0.010730
.
.
25461        0  -0.001247  0.034910 -3.42E-05  0.000525  0.000117 -0.040322
                -0.005818 -0.032435     5.432  0.385080  0.633865  0.037464
.
25461    2.300  -0.008462  0.013127    -7.351  0.164848 -0.418753  0.015113
                 0.001397 -0.010652  0.823332  0.220757 -0.207463 -0.012278
.
.
```

```
25471       0 -0.001270  0.034210 -9.07E-06  0.000508  5.38E-05 -0.039476
             -0.005670 -0.030567     5.673  0.804821  0.166622  0.035342
.
25471   2.300 -0.007925  0.014573    -6.980  0.375959 -0.369660  0.016836
              0.000986 -0.010929  0.693308  0.429370 -0.169418 -0.012590
.
.
25481       0 -0.000252 -0.033466 -1.42E-05 -0.000483 -5.28E-06  0.038227
             -0.004961  0.038524     6.112     1.160 -0.651897 -0.043639
.
25481   2.300 -0.005364 -0.050714    -6.342  0.565727 -0.242369 -0.058191
              0.000151  0.055772  0.493762  0.594135 -0.106280  0.064412
.
.
25491       0 -0.019522 -0.068187 -0.005766 -0.039471  0.002935  0.075283
              0.021929  0.074920     6.858     1.447    -1.892 -0.081683
.
25491   2.300 -0.020305 -0.082026    -5.399  0.671173  0.083896 -0.096669
              0.022712  0.088759  0.291770  0.736612  0.034101  0.105755
.
.
25501       0  0.078222 -0.063521 -0.458858 -0.771220  0.588491  0.078472
             -0.097739  0.068933     3.972 -0.723931     1.032 -0.086568
.
25501   2.300  0.041991 -0.044512    -8.479    -1.534    -4.088 -0.048672
             -0.061508  0.049924  0.032383  0.038854  0.033670  0.053023
.
.
25601       0  0.041869 -0.100139    -1.575    -1.551     1.322  0.119134
             -0.048533  0.105041     7.723     1.165    -3.873 -0.125294
.
25601   2.300  0.025269 -0.076014    -5.832 -0.420140    -2.187 -0.084723
             -0.031933  0.080916  0.021536  0.033586  0.024176  0.089836
.
.
25701       0 -0.032086 -0.080943 -0.021536 -0.033586  0.024176  0.089859
              0.037154  0.086233     5.832  0.420140    -2.187 -0.095509
.
25701   2.300 -0.025989 -0.098567    -7.723    -1.165    -3.873 -0.116438
              0.031058  0.103857     1.575     1.551     1.322  0.122953
.
.
25801       0 -0.061671 -0.049939 -0.032382 -0.038854  0.033670  0.053024
              0.080555  0.055932     8.479     1.534    -4.088 -0.058090
.
25801   2.300 -0.054121 -0.058983    -3.972  0.723931     1.032 -0.071227
              0.073004  0.064976  0.458858  0.771220  0.588490  0.079944
.
.
```

6 TABLERO

6.1 Resultados del Modelo Tridimensional - Vigas

A continuación se incluyen los resultados del análisis con el modelo tridimensional de barras relativos a los esfuerzos en las vigas.

```
.ID Envolv.   EI
.SK 4
.TP 20
ENVOLVENTE:              EI   'Env servicio'                    Ejec.  "VIGA"
=============================================================================
Grupo Espe. Hip¢tesis       Factor Etapa  T¡tulo

  A    PERM.     3             1.000        carga muerta
  B    O         3             1.500        carga muerta
  C    MAS       4             1.000        sc repartida mitad d vano1
  D    MAS       5             1.000        sobrecarga vano 1 i
  E    MAS      27             1.000        sc repartida mitad d vano2
  F    MAS      28             1.000        sobrecarga vano 2 i
  G    MAS      29             1.000        sc repartida mitad d vano3
  H    MAS      30             1.000        sobrecarga vano 3 i
  I    MAS      31             1.000        sc repartida mitad d vano4
  J    MAS      32             1.000        sobrecarga vano 4 i
  K    MAS      33             1.000        sc repartida mitad d vano5
  L    MAS      34             1.000        sobrecarga vano 5 i
  M    MAS       6             1.000        Veh¡culo pesado 1 vano 1
  N    O         7             1.000        Veh¡culo pesado 2 vano 1
  O    O         8             1.000        Veh¡culo pesado 3 vano 1
  P    O         9             1.000        Veh¡culo pesado 4 vano 1
  Q    O        10             1.000        Veh¡culo pesado 5 vano 1
  R    O        11             1.000        Veh¡culo pesado 6 vano 1
  S    O        12             1.000        Veh¡culo pesado 7 vano 1
  T    O        13             1.000        Veh¡culo pesado 8 vano 1
  U    O        14             1.000        Veh¡culo pesado 1 vano 2
  V    O        15             1.000        Veh¡culo pesado 2 vano 2
  W    O        16             1.000        Veh¡culo pesado 3 vano 2
  X    O        17             1.000        Veh¡culo pesado 4 vano 2
  Y    O        18             1.000        Veh¡culo pesado 5 vano 2
  Z    O        19             1.000        Veh¡culo pesado 6 vano 2
 AA    O        20             1.000        Veh¡culo pesado 7 vano 1
 AB    O        21             1.000        Veh¡culo pesado 8 vano 2
 AC    O        35             1.000        Veh¡culo pesado 1 vano 3
 AD    O        36             1.000        Veh¡culo pesado 2 vano 3
 AE    O        37             1.000        Veh¡culo pesado 3 vano 3
 AF    O        38             1.000        Veh¡culo pesado 4 vano 3
 AG    O        39             1.000        Veh¡culo pesado 5 vano 2
 AH    O        40             1.000        Veh¡culo pesado 6 vano 3
 AI    O        41             1.000        Veh¡culo pesado 7 vano 3
 AJ    O        42             1.000        Veh¡culo pesado 8 vano 3
 AK    O        43             1.000        Veh¡culo pesado 1 vano 4
 AL    O        44             1.000        Veh¡culo pesado 2 vano 4
 AM    O        45             1.000        Veh¡culo pesado 3 vano 4
 AN    O        46             1.000        Veh¡culo pesado 4 vano 4
 AO    O        47             1.000        Veh¡culo pesado 5 vano 4
 AP    O        48             1.000        Veh¡culo pesado 6 vano 4
 AQ    O        49             1.000        Veh¡culo pesado 7 vano 4
 AR    O        50             1.000        Veh¡culo pesado 8 vano 4
 AS    O        51             1.000        Veh¡culo pesado 1 vano 5
 AT    O        52             1.000        Veh¡culo pesado 2 vano 5
 AU    O        53             1.000        Veh¡culo pesado 3 vano 5
 AV    O        54             1.000        Veh¡culo pesado 4 vano 5
 AW    O        55             1.000        Veh¡culo pesado 5 vano 5
 AX    O        56             1.000        Veh¡culo pesado 6 vano 5
```

AY	O	57	1.000	Veh¡culo pesado 7 vano 5
AZ	O	58	1.000	Veh¡culo pesado 8 vano 5

.ID GWS3MY,STATIK2,1.58
.UN M,KN
.EL !LVIGA.009
.SK 3
.TP 12
.TK 6
ENVOLVENTE para < My > (y valores concomitantes)
(1. l¡nea: MIN., 2. l¡nea: MAX.)

Barra	Distancia [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
1101	0	0.245515	0.148209	99.275	1.483	-1.435	-0.177190
		-0.145487	-0.144533	95.512	-8.280	8.423	0.024948
1101	1.270	0.020045	-0.038153	47.849	-2.846	70.337	-0.065764
		-0.045848	-0.122792	229.975	-4.932	304.141	-0.256833
1102	0	0.117514	0.006146	49.759	-3.146	73.101	-0.111277
		-0.041274	-0.217808	215.635	-7.136	306.475	-0.344135
1102	1.270	0.033071	-0.043693	39.581	-3.168	129.826	-0.138956
		0.043169	-0.167969	200.414	-7.113	570.659	-0.585256
1103	0	0.552670	0.109789	36.610	0.573734	130.131	-0.223355
		-0.017439	-0.179415	183.338	-12.165	572.582	-0.653293
1103	1.270	0.413820	0.060025	26.435	0.549357	170.157	-0.119649
		0.121411	-0.129651	168.114	-12.141	795.752	-0.845421
1104	0	0.689565	0.118001	23.807	0.548535	169.899	-0.265577
		0.018406	-0.098046	99.834	-3.286	796.824	-0.899621
1104	1.270	0.519955	0.073564	13.634	0.522738	193.668	-0.147825
		0.188016	-0.053609	84.608	-3.260	913.946	-0.992031
1105	0	0.840499	0.130965	11.250	0.534534	193.372	-0.288588
		0.022648	-0.014846	16.562	2.433	913.835	-1.029
1105	1.270	0.621275	0.084254	1.081	0.506921	201.203	-0.156861
		0.241872	0.031864	1.333	2.461	925.198	-1.013
1106	0	0.986442	0.147706	-1.169	0.539878	200.849	-0.290590
		0.016227	0.057557	-68.494	11.284	923.973	-1.038
1106	1.270	0.942932	0.138115	-11.329	0.539667	192.914	-0.111698
		0.188352	0.019612	18.085	-9.012	846.783	-0.933475
1107	0	1.124	0.174262	-13.554	0.571218	192.496	-0.261056
		0.191589	0.077978	-50.165	0.036560	846.866	-0.998381
1107	1.270	1.072	0.164732	-23.714	0.570998	168.832	-0.051454
		0.243273	0.087507	-65.404	0.036780	773.482	-0.887652
1108	0	1.242	0.166879	-26.002	0.655223	168.358	-0.163830
		0.265020	0.207194	-130.684	6.105	772.308	-0.996081
1108	1.270	1.186	0.162290	-36.161	0.654982	128.886	0.034383
		0.320848	0.211783	-145.923	6.105	596.670	-0.719240
1109	0	1.265	-0.073040	-38.619	0.895658	128.368	-0.012492
		0.464928	0.578993	-210.268	15.698	594.176	-0.926148
1109	1.270	0.220859	0.036864	-50.650	2.149	71.880	-0.088425
		0.682249	0.595551	-225.506	15.698	317.470	-0.170908
1110	0	0.493787	-0.145370	-49.694	1.245	70.608	-0.115262
		0.694397	1.475	-238.051	12.844	314.085	-0.507748
1110	1.270	-0.045326	0.150051	-98.307	0.500786	-1.460	0.007497
		0.458268	0.083341	-92.453	11.280	7.634	-0.014913
1201	0	-0.117688	0.143426	256.050	4.111	-10.514	-0.120239
		0.151671	0.336575	81.435	0.073765	1.455	-0.283205
1201	1.270	0.154417	-0.149422	50.238	1.025	64.239	-0.059592
		-0.070920	0.285519	331.784	0.976768	415.356	0.125645
1202	0	0.122909	-0.159677	39.167	1.073	64.657	0.114365
		-0.036832	0.285305	166.202	0.755236	410.410	-0.177747
1202	1.270	0.122909	-0.159677	39.167	1.073	114.397	-0.088416
		-0.071152	0.390785	265.525	3.364	683.073	0.243295
1203	0	0.087945	-0.168896	28.038	0.883814	114.759	0.107857
		0.000416	0.361839	252.432	2.168	675.358	-0.182344
1203	1.270	0.087945	-0.168896	28.038	0.883814	150.366	-0.106632
		0.000416	0.361839	252.432	2.168	995.933	0.277174
1204	0	0.050752	-0.177423	16.899	0.607924	150.651	0.104214
		0.076827	0.320589	114.543	1.851	990.895	-0.130504
1204	1.270	0.050752	-0.177423	16.899	0.607924	172.111	-0.121103
		0.076827	0.320589	114.543	1.851	1136.359	0.276628
1205	0	0.012456	-0.186168	5.742	0.289357	172.306	0.101249
		0.150522	0.283110	-22.110	0.490956	1134.958	-0.099167
1205	1.270	0.012456	-0.186168	5.742	0.289357	179.598	-0.135174

		0.150522	0.283110	-22.110	0.490956	1106.879	0.260368
1206	0	-0.026970	-0.195715	-5.464	-0.047531	179.699	0.097071
		0.216347	0.261154	-157.008	0.065231	1109.087	-0.086305
1206	1.270	-0.026970	-0.195715	-5.464	-0.047531	172.761	-0.151477
		0.293677	0.372116	110.495	0.334736	1047.728	0.324100
1207	0	-0.068209	-0.204371	-16.765	-0.384660	172.777	0.087936
		0.349767	0.376471	-27.578	-0.064128	1047.898	-0.130113
1207	1.270	-0.068209	-0.204371	-16.765	-0.384660	151.486	-0.171606
		0.349767	0.376471	-27.578	-0.064128	1012.875	0.347986
1208	0	-0.113343	-0.207971	-28.215	-0.713501	151.434	0.067142
		0.369103	0.386759	-169.899	-1.481	1016.761	-0.100755
1208	1.270	-0.113343	-0.207971	-28.215	-0.713501	115.603	-0.196971
		0.369103	0.386759	-169.899	-1.481	800.998	0.390410
1209	0	-0.164103	-0.202822	-39.824	-1.056	115.502	0.021000
		0.314511	0.282281	-316.081	-2.101	808.547	-0.066932
1209	1.270	-0.164103	-0.202822	-39.824	-1.056	64.927	-0.236574
		0.314511	0.282281	-316.081	-2.101	407.140	0.291551
1210	0	-0.214270	-0.195211	-51.401	-1.523	64.798	-0.085058
		0.205018	-0.172870	-339.291	-4.347	417.156	-0.224363
1210	1.270	0.147807	-0.231280	-333.382	-6.221	-14.466	-0.877741
		-0.076437	-0.743325	-57.275	0.334030	0.543427	-0.840357
1301	0	-0.165611	0.044679	259.684	1.026	-9.712	-0.041060
		0.039655	0.076128	121.791	4.815	2.368	-0.068070
1301	1.270	0.182435	0.024990	44.705	1.56E-05	57.582	0.008733
		-0.092750	0.049291	319.691	0.486329	401.051	0.016958
1302	0	0.140930	0.049476	35.247	0.008857	58.351	-0.034131
		-0.093847	0.063683	163.970	0.501603	397.000	-0.043807
1302	1.270	0.184942	0.031833	35.238	1.80E-05	103.103	0.018709
		-0.171306	0.071657	263.785	1.015	675.012	0.041740
1303	0	0.188498	0.026990	25.338	1.83E-05	103.758	-0.011897
		-0.180816	0.062238	251.432	0.123676	667.370	-0.028727
1303	1.270	0.188498	0.026990	25.338	1.83E-05	135.936	0.022379
		-0.180816	0.062238	251.432	0.123676	986.676	0.050312
1304	0	0.192280	0.017189	15.148	1.83E-05	136.425	-0.001396
		-0.193274	0.042076	115.262	0.397597	981.551	-0.006575
1304	1.270	0.192280	0.017189	15.148	1.83E-05	155.662	0.020434
		-0.193274	0.042076	115.262	0.397597	1127.927	0.046859
1305	0	0.195518	0.006644	4.801	1.82E-05	155.952	0.006940
		-0.209173	0.020171	-20.022	0.116123	1126.275	0.011379
1305	1.270	0.195518	0.006644	4.801	1.82E-05	162.049	0.015377
		-0.209173	0.020171	-20.022	0.116123	1100.848	0.036995
1306	0	0.197150	-0.003948	-5.559	1.80E-05	162.117	0.013204
		-0.230846	-0.001567	-154.610	0.375045	1102.685	0.025325
1306	1.270	0.224323	-0.004107	-5.642	1.82E-05	155.055	0.007937
		-0.302341	-8.90E-05	103.746	-0.620818	1035.177	0.024579
1307	0	0.195353	-0.013706	-15.768	1.78E-05	154.895	0.016877
		-0.321881	-0.020888	-32.637	-0.353792	1035.342	0.033072
1307	1.270	0.202891	0.311673	-15.988	0.060127	134.621	0.262279
		-0.365616	-0.020816	-32.548	-0.353793	993.999	0.007080
1308	0	0.248658	0.317447	-25.779	0.042977	134.244	-0.122696
		-0.460878	-0.038126	-170.271	-0.616269	997.540	0.034590
1308	1.270	0.248658	0.317447	-25.779	0.042977	101.506	0.280445
		-0.460878	-0.038126	-170.271	-0.616269	781.305	-0.013828
1309	0	0.273697	0.232821	-34.951	0.044212	100.907	-0.130130
		-0.588792	-0.047116	-310.000	-0.307949	788.088	0.021776
1309	1.270	0.273697	0.232821	-34.951	0.044212	56.522	0.165541
		-0.588792	-0.047116	-310.000	-0.307949	394.404	-0.038059
1310	0	0.237654	-0.084371	-43.521	0.101577	55.757	-0.343101
		-0.716924	-0.039729	-327.543	-1.157	403.304	-0.016097
1310	1.270	-0.646523	-0.033242	-305.533	-1.157	-12.875	-0.058552
		0.032131	-0.290676	-92.243	-5.312	0.890506	-0.890733
1401	0	-0.151137	0.077350	150.241	5.962	-3.601	-0.061511
		-0.075549	0.117673	93.233	5.543	4.936	-0.100392
1401	1.270	0.018372	0.436319	50.125	-0.937576	64.109	0.182440
		-0.131170	-0.117960	222.131	11.184	279.870	-0.045536
1402	0	-0.065738	0.459700	39.056	-0.973538	64.540	-0.310056
		-0.101405	-0.128134	187.704	12.544	277.815	0.097310

1402	1.270	-0.065738	0.459700	39.056	-0.973538	114.139	0.273739
		-0.101405	-0.128134	187.704	12.544	516.189	-0.065414
1403	0	-0.171965	0.452069	27.936	-0.783898	114.511	-0.258626
		-0.072926	-0.148042	150.768	13.624	514.560	0.104872
1403	1.270	-0.171965	0.452069	27.936	-0.783898	149.988	0.315478
		-0.072926	-0.148042	150.768	13.624	706.028	-0.083134
1404	0	-0.284550	0.443622	16.816	-0.508239	150.276	-0.228574
		-0.043111	-0.167411	80.903	5.842	704.846	0.112344
1404	1.270	-0.284550	0.443622	16.816	-0.508239	171.631	0.334803
		-0.043111	-0.167411	80.903	5.842	807.588	-0.100261
1405	0	-0.395314	0.441845	5.690	-0.189122	171.821	-0.213109
		-0.010702	-0.188443	10.273	-0.441492	806.813	0.121631
1405	1.270	-0.395314	0.441845	5.690	-0.189122	179.047	0.348012
		-0.010702	-0.188443	10.273	-0.441492	819.859	-0.117683
1406	0	-0.502196	0.446524	-5.470	0.149643	179.137	-0.206201
		0.023394	-0.214312	-59.816	-8.519	819.612	0.135283
1406	1.270	-0.502196	0.446524	-5.470	0.149643	172.191	0.360862
		-0.006839	-0.223746	14.571	4.855	758.129	-0.135341
1407	0	-0.605272	0.459991	-16.708	0.489758	172.187	-0.207821
		0.022350	-0.267570	-55.288	-2.946	759.639	0.177121
1407	1.270	-0.605272	0.459991	-16.708	0.489758	150.969	0.376344
		0.022350	-0.267570	-55.288	-2.946	689.425	-0.162679
1408	0	-0.704533	0.491148	-28.081	0.821117	150.890	-0.215950
		0.049710	-0.350183	-125.720	-8.708	691.226	0.209167
1408	1.270	-0.704533	0.491148	-28.081	0.821117	115.228	0.407784
		0.049710	-0.350183	-125.720	-8.708	531.568	-0.235548
1409	0	-0.802241	0.586805	-39.606	1.162	115.094	-0.207271
		0.076148	-0.525264	-194.990	-15.630	533.467	0.187302
1409	1.270	-0.803937	0.405584	-41.492	0.247342	64.396	0.330080
		0.076148	-0.525264	-194.990	-15.630	285.839	-0.479758
1410	0	-0.869946	0.418946	-50.060	1.513	63.753	-0.285771
		0.093099	-0.823805	-229.997	-13.354	287.823	-0.109454
1410	1.270	0.078404	-0.508612	-192.928	-8.360	-6.273	-0.316307
		-0.704549	0.036334	-64.916	-5.274	3.555	-0.537897

1501	0	0.172526	-0.141778	99.289	-1.333	-1.292	0.031687
		-0.188503	0.020562	90.398	7.471	7.852	-0.087788
1501	1.270	-0.102558	0.021406	42.678	1.108	62.605	-0.028717
		-0.168988	-0.090053	115.374	5.021	160.902	-0.147003
1502	0	-0.076956	-0.037120	40.548	1.135	64.459	-0.071858
		-0.274109	-0.054169	104.310	5.535	165.467	-0.205151
1502	1.270	-0.161250	0.012654	30.370	1.157	109.486	-0.083543
		-0.189814	-0.103943	89.090	5.513	288.275	-0.309399
1503	0	-0.081183	-0.026650	29.524	0.983743	111.067	-0.124061
		-0.337316	-0.032499	76.187	4.629	292.318	-0.349148
1503	1.270	-0.219755	0.022992	19.348	1.008	142.093	-0.122262
		-0.198744	-0.082141	60.964	4.604	379.412	-0.426064
1504	0	-0.106550	-0.010776	19.255	0.579514	143.235	-0.161729
		-0.366370	-0.009846	47.136	2.987	382.597	-0.448609
1504	1.270	-0.275777	0.033546	9.083	0.605311	161.223	-0.143417
		-0.197142	-0.054168	31.910	2.961	432.795	-0.493110
1505	0	-0.108224	-0.006844	9.588	0.067350	161.798	-0.176800
		-0.402456	0.016819	17.814	0.726671	434.791	-0.502239
1505	1.270	-0.326957	0.039700	-0.582142	0.094963	167.517	-0.151107
		-0.163782	-0.031988	8.422	0.969463	448.316	-0.515891
1506	0	-0.101278	-0.008308	0.204277	-0.501826	167.441	-0.176669
		-0.425021	0.038011	-10.886	-2.067	448.226	-0.506239
1506	1.270	-0.144819	0.001286	-9.955	-0.501615	161.249	-0.178530
		-0.368103	0.029076	-17.306	-1.004	435.290	-0.474570
1507	0	-0.085383	-0.013842	-9.081	-0.963581	160.496	-0.168988
		-0.425499	0.061615	-30.918	-4.024	432.565	-0.481428
1507	1.270	-0.137114	-0.004298	-19.240	-0.963361	142.513	-0.174858
		-0.373768	0.052071	-46.158	-4.024	383.624	-0.414889
1508	0	-0.122961	0.003476	-18.965	-1.432	141.135	-0.162386
		-0.357598	0.064214	-59.730	-6.442	379.302	-0.393923
1508	1.270	-0.122961	0.003476	-29.124	-1.432	110.600	-0.157972
		-0.357598	0.064214	-74.970	-6.442	293.771	-0.312374
1509	0	-0.112180	0.098264	-29.890	-1.962	108.718	-0.161222
		-0.310355	0.014626	-87.705	-8.401	288.290	-0.247203

1509	1.270	-0.329233	0.114763	-40.050	-1.961	64.308	-0.016490
		-0.093302	-0.001874	-102.943	-8.402	167.233	-0.248571
1510	0	-0.110174	0.377837	-42.243	-2.843	62.104	-0.051099
		-0.238372	-0.197879	-114.774	-10.719	161.054	-0.125916
1510	1.270	-0.056840	-0.072905	-98.306	-0.500717	-1.459	-0.125004
		0.334668	0.068265	-88.406	-10.266	7.012	-0.049396
2101	0	-0.196015	-0.651430	177.116	-1.926	-2.449	0.679248
		-0.411976	-0.511255	111.513	-14.045	9.701	0.541117
2101	1.390	1.856	0.133687	56.053	-1.536	85.950	0.045174
		0.076561	-1.463	246.325	-8.641	354.118	-0.381651
2102	0	1.724	-0.079009	53.065	-0.826832	86.675	0.006476
		-0.019803	-0.710258	229.717	-7.664	356.401	-0.031959
2102	1.390	1.766	-0.201765	41.903	-0.880072	152.653	-0.159577
		-0.061282	-0.587502	213.080	-7.611	664.154	-0.962943
2103	0	1.213	-0.229745	39.249	-0.595723	153.307	0.022222
		0.086524	-0.358352	193.553	-11.457	666.130	-0.663100
2103	1.390	1.532	-0.290202	28.120	-0.622353	200.124	-0.318333
		-0.232192	-0.297896	176.884	-11.431	923.576	-1.140
2104	0	1.000	-0.219699	25.688	-0.430469	200.644	-0.057611
		-0.102665	-0.244595	106.301	-3.186	924.758	-0.941180
2104	1.390	1.252	-0.278888	14.560	-0.455156	228.621	-0.390516
		-0.354124	-0.185406	89.629	-3.161	1060.918	-1.254
2105	0	0.774197	-0.203701	12.249	-0.278956	228.968	-0.104121
		-0.268301	-0.143653	18.800	1.838	1060.935	-1.093
2105	1.390	0.766074	-0.190699	1.126	-0.278874	238.265	-0.380848
		-0.260179	-0.156655	2.124	1.838	1075.475	-1.299
2106	0	1.975	0.246321	-1.144	0.357685	238.276	-0.382208
		-0.429736	-0.065325	-70.282	9.756	1074.431	-1.103
2106	1.390	2.128	0.234111	-12.267	0.357672	228.953	-0.046673
		0.242502	-0.008698	16.222	-8.934	986.656	-1.081
2107	0	3.181	0.334287	-14.555	0.553479	228.548	-0.368941
		-0.538222	-0.012593	-54.791	-0.785787	987.484	-1.072
2107	1.390	1.567	0.189805	-25.707	0.486985	200.581	-0.045621
		0.267939	0.076122	-71.463	-0.751958	899.742	-1.006
2108	0	3.487	0.318421	-28.065	0.743351	199.930	-0.242359
		-0.584583	0.111697	-139.777	4.621	899.301	-1.048
2108	1.390	2.609	0.191308	-39.232	0.698913	153.236	0.079094
		-0.583748	0.160763	-156.436	4.640	693.436	-0.859000
2109	0	3.685	0.026822	-41.770	1.059	152.520	0.034493
		-0.528721	0.473957	-223.298	13.468	691.572	-1.006
2109	1.390	2.602	-0.109917	-52.949	1.042	86.644	-0.106643
		-0.397280	0.527579	-239.954	13.487	369.633	-0.293262
2110	0	0.741615	-0.325570	-54.505	1.733	84.938	0.000753
		-0.197356	1.475	-254.807	11.112	366.733	-0.712441
2110	1.390	-1.385	0.178332	-131.037	0.499385	-2.398	-0.071019
		-1.036	0.119093	-106.900	12.697	9.213	-0.020883
2201	0	-1.231	0.505833	284.979	7.747	-15.484	0.028981
		-0.416047	-0.131571	65.136	-0.793022	0.440143	-0.054662
2201	1.390	-0.553009	-0.086581	57.315	1.758	79.221	-0.110606
		-1.095	0.578582	338.473	2.521	460.214	0.169478
2202	0	-0.564893	-0.138665	44.387	1.268	79.487	0.051188
		-0.896657	-0.288121	175.866	1.309	454.054	0.461454
2202	1.390	-0.564893	-0.138665	44.387	1.268	141.192	-0.141548
		-1.274	-0.112155	269.609	3.969	756.483	0.268185
2203	0	-0.585919	-0.138365	31.493	0.911212	141.413	0.036100
		-1.080	-0.124147	255.179	2.369	747.485	0.296275
2203	1.390	-0.585919	-0.138365	31.493	0.911212	185.187	-0.156220
		-1.080	-0.124147	255.179	2.369	1102.169	0.123718
2204	0	-0.614387	-0.135459	18.806	0.560834	185.363	0.026345
		-0.990836	-0.053832	116.361	1.624	1096.225	0.180032
2204	1.390	-0.214864	-0.156769	18.779	0.573772	211.499	-0.154945
		-0.990836	-0.053832	116.361	1.624	1257.961	0.105209
2205	0	-0.646567	-0.144025	6.274	0.195249	211.601	0.030393
		-0.948319	-0.035542	-20.339	0.034040	1256.232	0.156367
2205	1.390	-0.112570	-0.204364	6.249	0.204756	220.296	-0.189586
		-1.095	-0.006718	-20.334	0.034085	1227.964	0.118914
2206	0	-0.160497	-0.226384	-6.229	-0.171139	220.313	0.099951

		-1.073	-0.015874	-155.670	-0.698397	1230.375	0.133609
2206	1.390	-0.108070	-0.196830	-6.233	-0.171025	211.649	-0.200278
		-0.504485	0.297079	107.483	0.053061	1164.336	0.391096
2207	0	-0.149594	-0.223353	-18.770	-0.540730	211.578	0.079018
		-0.454351	0.294683	-30.573	-0.599238	1163.866	0.001865
2207	1.390	-0.046243	-0.182352	-18.783	-0.545038	185.473	-0.209722
		-0.454351	0.294683	-30.573	-0.599238	1121.372	0.411457
2208	0	-0.080937	-0.203904	-31.496	-0.899380	185.321	0.035728
		-0.442986	0.307852	-172.302	-2.139	1125.215	0.030901
2208	1.390	-0.080937	-0.203904	-31.496	-0.899380	141.543	-0.247687
		-0.442986	0.307852	-172.302	-2.139	885.725	0.458799
2209	0	-0.115879	-0.216138	-44.446	-1.264	141.341	-0.008667
		-0.517148	0.249923	-318.868	-2.972	893.895	0.083956
2209	1.390	-0.249672	-0.340414	-44.474	-1.294	79.562	-0.412315
		-0.383355	0.374200	-318.840	-2.942	450.688	0.534564
2210	0	-0.145819	-0.200019	-57.462	-1.775	79.335	-0.156751
		-0.690832	-0.148361	-343.487	-5.158	461.764	0.038044
2210	1.390	-0.362469	-0.183055	-335.600	-7.656	-16.435	-0.367423
		-0.369422	-0.713334	-65.337	0.705513	0.500098	-1.050
2301	0	-2.779	0.014075	260.114	1.291	-14.862	0.018003
		-0.290700	-0.908660	132.257	9.739	1.252	1.227
2301	1.390	1.034	-0.794093	49.698	-0.084976	69.623	0.507947
		-2.165	-0.013165	324.989	-0.041369	443.059	-0.012570
2302	0	1.092	-0.673931	39.975	-0.041617	70.668	0.838911
		-2.025	0.024990	172.317	0.447137	438.376	-0.023597
2302	1.390	1.092	-0.673931	39.975	-0.041617	126.230	-0.097815
		-2.542	0.052807	266.676	1.104	742.295	0.042996
2303	0	1.090	-0.572655	29.402	-0.047695	127.067	0.572077
		-2.382	0.047150	254.441	0.255224	733.396	-0.019607
2303	1.390	0.551055	-0.013450	29.239	-0.011174	167.792	0.004314
		-2.384	0.047212	254.441	0.255224	1087.055	0.045997
2304	0	0.519409	-0.021417	17.866	-0.010815	168.386	0.029478
		-2.269	0.026378	118.175	0.416669	1081.020	0.002056
2304	1.390	0.047329	-0.021429	17.770	-0.010815	193.142	-5.92E-05
		-1.797	0.026390	118.271	0.416669	1245.354	0.038489
2305	0	0.039875	-0.032121	5.958	-0.010103	193.457	0.037338
		-1.744	0.003012	-17.084	0.064141	1243.386	0.021386
2305	1.390	0.234927	-0.032127	5.949	-0.010103	201.738	-0.007309
		-1.939	0.003019	-17.075	0.064141	1219.640	0.025575
2306	0	0.231025	-0.042757	-6.009	-0.009473	201.759	0.043569
		-1.918	-0.021321	-152.574	0.223906	1221.791	0.038335
2306	1.390	0.231025	-0.042757	-6.009	-0.009473	193.408	-0.015861
		-1.682	-0.006593	101.226	-0.465108	1151.257	0.021461
2307	0	0.230667	-0.052766	-17.823	-0.008991	193.134	0.047896
		-1.706	-0.029685	-35.823	-0.304540	1151.120	0.043238
2307	1.390	0.222064	0.518240	-18.141	0.047661	168.211	0.512719
		-1.760	-0.029391	-35.696	-0.304540	1101.404	0.002650
2308	0	0.301465	0.545019	-29.462	0.024836	167.661	-0.200787
		-1.853	-0.049857	-173.450	-0.647078	1105.286	0.049690
2308	1.390	0.301465	0.545019	-29.462	0.024836	126.711	0.556759
		-1.853	-0.049857	-173.450	-0.647078	864.200	-0.019608
2309	0	0.366830	0.580079	-39.924	0.021447	125.876	-0.169361
		-1.995	-0.061396	-313.560	-0.455420	871.976	0.041655
2309	1.390	0.366830	0.580079	-39.924	0.021447	70.384	0.636916
		-1.995	-0.061396	-313.560	-0.455420	436.146	-0.043682
2310	0	0.335184	0.514440	-49.457	0.086076	69.331	-0.063155
		-2.155	-0.052411	-331.905	-1.236	446.437	0.004684
2310	1.390	-2.333	-0.044608	-306.877	-1.236	-15.239	-0.058844
		0.134304	0.228341	-101.871	-5.175	1.169	0.237024
2401	0	-1.378	0.333484	230.979	11.084	-7.654	-0.642497
		-2.222	0.497795	82.226	8.469	3.678	-0.100964
2401	1.390	-0.550971	-0.337816	57.096	-1.817	78.976	0.274031
		-1.737	0.437118	238.821	13.634	325.036	-0.060024
2402	0	-0.487651	-0.175808	44.245	-1.332	79.273	0.335037
		-1.602	0.251602	200.783	13.631	321.447	-0.269260
2402	1.390	-0.782954	-0.376569	44.214	-1.374	140.741	0.138313
		-1.602	0.251602	200.783	13.631	600.524	0.080453

2403	0	-0.706932	-0.343482	31.398	-1.016	141.004	0.496659
		-1.497	0.068514	159.448	14.104	597.636	-0.064577
2403	1.390	-0.706932	-0.343482	31.398	-1.016	184.646	0.019238
		-1.497	0.068514	159.448	14.104	819.260	0.030654
2404	0	-0.642044	-0.337886	18.785	-0.662863	184.847	0.450907
		-1.429	-0.048414	85.345	6.378	817.161	0.019652
2404	1.390	-0.642044	-0.337886	18.785	-0.662863	210.957	-0.018736
		-1.429	-0.048414	85.345	6.378	935.785	-0.047641
2405	0	-0.577095	-0.330659	6.304	-0.295498	211.073	0.423031
		-1.378	-0.119270	10.840	-0.029407	934.433	0.054944
2405	1.390	-1.202	0.630293	6.183	-0.104438	219.693	0.629171
		-1.525	-0.148087	10.845	-0.029452	949.501	-0.122781
2406	0	-1.351	0.643807	-6.260	0.269140	219.691	-0.237231
		-1.476	-0.199075	-62.517	-8.094	949.027	0.104608
2406	1.390	-1.299	0.614252	-6.264	0.269026	210.985	0.643196
		-1.315	-0.175484	14.730	4.813	881.950	-0.157226
2407	0	-1.438	0.644027	-18.740	0.638831	210.881	-0.210256
		-1.282	-0.225847	-58.742	-3.003	883.670	0.118135
2407	1.390	-1.438	0.644027	-18.740	0.638831	184.833	0.684905
		-1.282	-0.225847	-58.742	-3.003	802.022	-0.195780
2408	0	-1.573	0.696270	-31.368	0.995777	184.646	-0.206043
		-1.250	-0.303486	-133.373	-8.936	804.315	0.163179
2408	1.390	-1.573	0.696270	-31.368	0.995777	141.046	0.761733
		-1.250	-0.303486	-133.373	-8.936	618.933	-0.258650
2409	0	-1.709	0.793999	-44.214	1.359	140.801	-0.143159
		-1.216	-0.474173	-207.079	-15.839	621.557	0.185744
2409	1.390	-1.843	0.918202	-44.242	1.389	79.344	-1.064
		-1.082	-0.598376	-207.050	-15.869	333.732	-0.576492
2410	0	-2.087	0.546207	-56.542	1.509	78.805	0.139567
		-1.192	-0.809030	-246.465	-13.967	336.616	-0.046655
2410	1.390	-1.057	-0.556852	-204.505	-8.176	-8.226	-0.653882
		-2.418	-0.021462	-77.024	-7.140	3.725	-0.116522
2501	0	-1.208	0.019899	107.213	-0.163276	-2.091	-0.022366
		-0.511697	0.345090	105.449	13.083	9.247	-0.614521
2501	1.390	-1.758	-0.067406	45.313	3.886	73.844	0.061339
		-0.690393	0.460353	131.489	9.634	199.085	-0.133377
2502	0	-1.925	-0.129675	43.206	2.923	77.318	0.047645
		-0.807647	0.195115	118.009	7.530	204.855	-0.472613
2502	1.390	-1.881	-0.005998	32.045	2.976	129.593	-0.075377
		-0.851367	0.071438	101.372	7.477	357.340	-0.258634
2503	0	-2.240	-0.086399	31.580	2.318	132.561	-0.053786
		-0.661091	0.034436	86.500	5.899	362.538	-0.489137
2503	1.390	-1.921	-0.025552	20.450	2.345	168.717	-0.152095
		-0.979769	-0.026411	69.831	5.872	471.187	-0.463054
2504	0	-2.157	-0.110026	20.793	1.470	170.879	-0.082486
		-0.797074	0.032824	53.712	3.984	475.411	-0.599659
2504	1.390	-1.906	-0.050768	9.665	1.495	192.052	-0.207657
		-1.048	-0.026434	37.041	3.959	538.476	-0.581795
2505	0	-2.042	-0.115992	10.599	0.493348	193.194	-0.106287
		-0.888287	0.044570	20.343	1.509	541.307	-0.658230
2505	1.390	-2.050	-0.128982	-0.523636	0.493267	200.199	-0.273911
		-1.023	0.058805	9.866	1.361	562.387	-0.590339
2506	0	-1.904	-0.127825	0.599356	-0.562945	200.205	-0.107391
		-1.101	0.068815	-3.390	-1.053	561.691	-0.679870
2506	1.390	-1.751	-0.115599	-10.524	-0.562933	193.306	-0.278205
		-1.253	0.056589	-20.065	-1.053	545.393	-0.591076
2507	0	-0.808634	-0.201863	-9.388	-1.520	192.147	-0.080194
		-2.085	0.158450	-36.629	-4.327	542.250	-0.662174
2507	1.390	-1.613	-0.113078	-20.514	-1.486	171.364	-0.277741
		-1.281	0.069664	-53.302	-4.361	479.752	-0.524969
2508	0	-0.575194	-0.180532	-20.125	-2.391	169.113	-0.101421
		-2.171	0.162000	-69.575	-6.896	474.710	-0.535980
2508	1.390	-0.576143	-0.131551	-31.265	-2.371	133.404	-0.318777
		-2.170	0.113019	-86.234	-6.915	366.422	-0.344383
2509	0	-0.398034	-0.018031	-32.042	-3.208	130.297	-0.178161
		-2.181	0.074105	-101.244	-8.927	360.006	-0.303613
2509	1.390	-0.529049	0.035556	-43.186	-3.189	78.007	-0.149508
		-2.050	0.020519	-117.899	-8.946	207.716	-0.254325

2510	0	-0.447642	0.481581	-45.544	-4.257	74.362	-0.203295
		-1.980	-0.274375	-131.375	-11.338	200.478	-0.028701
2510	1.390	0.363933	0.077158	-106.987	-0.128379	-2.027	0.038534
		-1.208	0.053472	-101.982	-11.743	8.629	-0.050115
3101	0	-0.100011	-0.871170	197.392	0.795171	-5.811	0.972462
		-1.581	-0.641576	142.269	-16.026	12.652	0.630610
3101	1.640	2.584	0.025003	65.168	-2.229	118.537	-0.006511
		0.338878	-1.704	277.000	-5.237	466.863	-0.874910
3102	0	2.380	-0.292152	61.802	-1.496	120.159	0.178595
		-0.014089	-0.545622	257.467	-4.256	466.750	-0.330412
3102	1.640	2.380	-0.292152	48.683	-1.496	210.753	-0.300514
		-0.014089	-0.545622	237.788	-4.256	872.843	-1.225
3103	0	1.428	-0.246538	45.757	-1.103	212.168	-0.008327
		0.430723	-0.314390	213.553	-7.896	872.864	-0.909855
3103	1.640	1.428	-0.246538	32.638	-1.103	276.449	-0.412633
		0.430723	-0.314390	193.874	-7.896	1206.941	-1.425
3104	0	1.159	-0.222337	29.981	-0.758947	277.519	-0.108540
		0.305419	-0.180014	118.537	-1.335	1206.670	-1.280
3104	1.640	1.159	-0.222337	16.862	-0.758947	315.929	-0.473158
		0.305419	-0.180014	98.858	-1.335	1384.927	-1.576
3105	0	0.887477	-0.203803	14.368	-0.386771	316.580	-0.163081
		0.227093	-0.060391	22.677	2.174	1383.953	-1.487
3105	1.640	0.895520	-0.203432	1.243	-0.386728	329.384	-0.496711
		0.219050	-0.060763	3.004	2.174	1405.007	-1.586
3106	0	1.295	0.211282	-1.244	0.382169	329.483	-0.496319
		0.155884	0.046597	-74.006	8.149	1403.574	-1.512
3106	1.640	1.287	0.211635	-14.369	0.382212	316.677	-0.149831
		0.313228	0.069755	13.337	-8.490	1293.552	-1.346
3107	0	1.568	0.231809	-16.862	0.757336	316.033	-0.470493
		0.450924	0.177895	-62.543	-2.069	1295.700	-1.504
3107	1.640	1.568	0.231809	-29.962	0.757336	277.623	-0.090343
		0.450924	0.177895	-82.222	-2.069	1176.998	-1.213
3108	0	1.835	0.256620	-32.630	1.108	276.557	-0.391073
		0.633281	0.316894	-156.123	2.115	1178.209	-1.425
3108	1.640	1.835	0.256620	-45.749	1.108	212.288	0.029767
		0.633281	0.316894	-175.802	2.115	906.042	-0.905587
3109	0	2.744	0.213722	-48.671	1.524	210.877	-0.184721
		0.235972	0.575704	-247.373	9.565	905.970	-1.277
3109	1.640	2.744	0.213722	-61.790	1.524	120.302	0.165763
		0.235972	0.575704	-267.052	9.565	484.159	-0.333248
3110	0	2.788	-0.603859	-65.197	2.375	118.684	0.236380
		0.639312	1.783	-286.036	7.748	483.210	-0.940772
3110	1.640	0.105728	1.057	-219.399	0.042202	-5.725	1.199
		-1.449	0.610938	-136.254	14.817	12.209	0.601650
3201	0	-1.697	0.256871	289.374	10.818	-17.920	0.159611
		-1.175	-0.015199	79.072	-1.929	0.148590	-0.152363
3201	1.640	-0.219146	-0.002906	67.744	2.077	110.318	-0.072873
		-1.482	0.301975	353.746	3.122	566.615	0.157755
3202	0	-0.167590	-0.038267	52.378	1.519	110.779	-0.013612
		-1.140	-0.479111	187.327	1.534	559.038	0.753086
3202	1.640	-0.167590	-0.038267	52.378	1.519	196.675	-0.076366
		-2.150	-0.300498	273.330	5.375	912.698	0.115759
3203	0	-0.139485	-0.012540	37.152	1.100	197.083	-0.043885
		-1.926	-0.197124	257.999	3.713	902.693	0.389763
3203	1.640	-0.139485	-0.012540	37.152	1.100	258.010	-0.064459
		-1.926	-0.197124	257.999	3.713	1325.793	0.066492
3204	0	-0.131516	-0.002414	22.197	0.673493	258.319	-0.051258
		-1.859	-0.112228	119.271	2.332	1319.249	0.283563
3204	1.640	-0.505473	0.000800	22.165	0.684766	294.716	-0.036308
		-1.859	-0.112228	119.271	2.332	1514.845	0.099517
3205	0	-0.131819	-0.008798	7.395	0.226829	294.388	-0.042364
		-1.851	-0.103936	-16.339	0.206385	1513.340	0.276453
3205	1.640	-0.521165	-0.015483	7.363	0.234365	306.375	-0.050454
		-1.844	-0.104215	-16.332	0.206319	1486.547	0.106174
3206	0	-0.530823	-0.032023	-7.380	-0.222901	306.982	-0.013936
		-1.867	-0.114586	-152.171	-1.258	1489.902	0.277690
3206	1.640	-0.523736	-0.031712	-7.387	-0.222834	294.871	-0.065795
		-1.713	0.208292	100.572	0.060335	1411.466	0.357205

3207	0	-0.535552	-0.042142	-22.181	-0.671897	294.708	-0.010453
		-1.696	0.220021	-37.211	-1.214	1409.847	0.015018
3207	1.640	-0.135097	0.000335	-22.195	-0.673498	258.321	-0.053396
		-1.696	0.220021	-37.211	-1.214	1348.824	0.375837
3208	0	-0.143907	0.010504	-37.154	-1.100	258.012	-0.063344
		-1.736	0.299302	-177.004	-3.140	1352.450	-0.002355
3208	1.640	-0.143907	0.010504	-37.154	-1.100	197.082	-0.046118
		-1.736	0.299302	-177.004	-3.140	1062.176	0.488480
3209	0	-0.172723	0.036162	-52.377	-1.519	196.675	-0.075453
		-1.931	0.370195	-323.109	-4.428	1071.242	0.074690
3209	1.640	-0.172723	0.036162	-52.377	-1.519	110.780	-0.016150
		-1.931	0.370195	-323.109	-4.428	541.365	0.681785
3210	0	-0.224882	0.000971	-67.744	-2.077	110.319	-0.072855
		-2.400	-0.170294	-349.393	-6.551	554.047	0.431757
3210	1.640	-1.455	-0.271854	-338.039	-10.556	-19.654	0.075417
		-1.196	-0.450104	-79.061	1.913	0.227670	-0.815875
3301	0	-3.658	0.059477	261.078	1.336	-18.896	-0.042959
		-1.302	-0.377595	150.870	10.263	1.226	0.492258
3301	1.640	-0.047839	-0.776539	60.140	-0.057366	99.245	0.145322
		-3.234	0.032902	339.821	0.227826	545.163	0.011942
3302	0	0.018340	-0.666624	48.684	-0.014137	100.711	0.840335
		-3.003	0.056970	184.992	0.484278	538.836	-0.042406
3302	1.640	-0.085522	0.000542	48.572	-0.008246	180.494	0.018270
		-3.780	0.086595	270.036	1.186	889.456	0.081454
3303	0	-0.131342	-0.003619	35.701	-0.009727	181.666	0.021032
		-3.550	0.068176	256.956	0.454705	878.200	-0.034618
3303	1.640	-0.187113	-0.003635	35.598	-0.009727	240.134	0.015584
		-3.494	0.068192	257.059	0.454705	1299.669	0.076699
3304	0	-0.192692	-0.014970	21.730	-0.009071	240.936	0.031858
		-3.378	0.039839	120.900	0.451581	1291.942	-0.005590
3304	1.640	-0.192692	-0.014970	21.730	-0.009071	276.573	0.007308
		-3.378	0.039839	120.900	0.451581	1490.210	0.059744
3305	0	-0.197585	-0.027223	7.318	-0.008337	276.981	0.041658
		-3.327	0.010454	-13.413	-0.005278	1487.814	0.020702
3305	1.640	0.122699	-0.027201	7.310	-0.008337	288.981	-0.002959
		-3.648	0.010432	-13.406	-0.005278	1465.817	0.037818
3306	0	0.117503	-0.039090	-7.275	-0.007778	288.991	0.050175
		-3.642	-0.019317	-149.177	0.000117	1468.823	0.045112
3306	1.640	-0.202781	-0.039067	-7.283	-0.007778	277.048	-0.013921
		-3.175	-0.005323	95.007	-0.226518	1389.470	0.024197
3307	0	-0.211565	-0.050769	-21.703	-0.007400	276.660	0.057578
		-3.229	-0.034486	-42.053	-0.230584	1388.870	0.054629
3307	1.640	-0.211565	-0.050769	-21.703	-0.007400	241.068	-0.025681
		-3.229	-0.034486	-42.053	-0.230584	1319.905	-0.001926
3308	0	-0.231150	-0.061791	-35.595	-0.007165	240.290	0.062705
		-3.351	-0.061398	-178.381	-0.692521	1324.626	0.070328
3308	1.640	-0.097855	0.547836	-35.872	0.018305	181.676	0.593569
		-3.407	-0.061382	-178.278	-0.692521	1032.182	-0.029848
3309	0	-0.058446	0.645705	-48.674	0.004934	180.528	-0.289526
		-3.650	-0.077956	-317.943	-0.683224	1042.042	0.073662
3309	1.640	-0.058446	0.645705	-48.674	0.004934	100.706	0.769387
		-3.650	-0.077956	-317.943	-0.683224	520.637	-0.054181
3310	0	-0.104955	0.812892	-60.145	0.052375	99.239	0.048462
		-3.880	-0.060425	-337.287	-1.363	533.724	0.051935
3310	1.640	-3.553	-0.047675	-306.966	-1.363	-19.744	-0.032859
		-0.890439	0.513951	-119.049	-5.144	1.201	0.901903
3401	0	-2.370	0.481169	251.145	11.178	-11.370	-0.808904
		-4.006	0.446690	103.982	12.877	3.234	-0.204350
3401	1.640	-2.203	-0.688657	67.465	-2.158	110.112	0.305640
		-3.319	0.595649	262.499	15.183	419.830	0.079166
3402	0	-2.018	-0.527605	52.207	-1.603	110.617	0.782065
		-3.123	0.461923	218.442	15.001	414.111	-0.488476
3402	1.640	-2.018	-0.527605	52.207	-1.603	196.233	-0.083173
		-3.123	0.461923	218.442	15.001	772.342	0.269048
3403	0	-1.854	-0.510478	37.079	-1.183	196.681	0.681827
		-3.032	0.249974	171.334	14.613	767.844	-0.220518
3403	1.640	-1.854	-0.510478	37.079	-1.183	257.488	-0.155322

		-3.032	0.249974	171.334	14.613	1048.821	0.189423
3404	0	-1.714	-0.506880	22.199	-0.754799	257.828	0.647338
		-3.000	0.113150	91.402	6.831	1045.699	-0.095171
3404	1.640	-1.714	-0.506880	22.199	-0.754799	294.233	-0.183911
		-3.000	0.113150	91.402	6.831	1195.591	0.090388
3405	0	-1.574	-0.501761	7.445	-0.309213	294.418	0.618044
		-2.989	0.033113	11.143	0.043979	1193.738	-0.032999
3405	1.640	-1.296	0.471614	7.297	-0.151264	306.611	0.540303
		-2.982	0.033374	11.150	0.044046	1212.014	0.021117
3406	0	-1.434	0.472958	-7.437	0.299667	306.604	-0.214749
		-2.979	-0.030188	-67.123	-8.045	1211.533	0.018473
3406	1.640	-1.427	0.472669	-7.444	0.299601	294.399	0.560234
		-2.836	-0.032032	15.788	4.627	1134.196	-0.032461
3407	0	-1.560	0.479373	-22.198	0.745687	294.212	-0.197457
		-2.850	-0.111550	-63.337	-3.267	1136.348	0.089686
3407	1.640	-1.560	0.479373	-22.198	0.745687	257.808	0.588683
		-2.850	-0.111550	-63.337	-3.267	1032.479	-0.093249
3408	0	-1.694	0.486391	-37.079	1.174	257.466	-0.174830
		-2.884	-0.248657	-144.792	-9.645	1035.690	0.191735
3408	1.640	-1.694	0.486391	-37.079	1.174	196.659	0.622818
		-2.884	-0.248657	-144.792	-9.645	798.241	-0.216046
3409	0	-1.861	0.509450	-52.204	1.593	196.209	-0.116274
		-2.975	-0.474309	-225.651	-16.657	802.226	0.280651
3409	1.640	-1.861	0.509450	-52.204	1.593	110.598	0.719191
		-2.975	-0.474309	-225.651	-16.657	432.173	-0.497184
3410	0	-2.066	0.676264	-67.457	2.146	110.089	0.226159
		-3.160	-0.672685	-272.016	-15.540	436.807	0.079004
3410	1.640	-2.348	-0.378652	-220.700	-7.558	-11.511	-0.663490
		-3.977	-0.344404	-97.806	-11.377	3.687	-0.115392
3501	0	0.037373	0.196643	124.152	-0.547537	-3.225	-0.403428
		-1.795	0.409248	134.929	15.408	12.498	-0.716210
3501	1.640	-3.304	-0.119246	53.249	6.986	104.878	-0.068872
		-1.533	0.651924	160.219	12.923	287.732	-0.002970
3502	0	-3.441	0.062574	50.962	5.786	112.134	-0.194368
		-1.880	0.053787	144.139	10.010	298.078	-0.475874
3502	1.640	-3.441	0.062574	37.842	5.786	184.950	-0.091750
		-1.880	0.053787	124.460	10.010	518.320	-0.387666
3503	0	-4.195	-0.012513	37.526	4.588	191.125	-0.171029
		-1.442	0.000664	106.303	6.865	526.994	-0.686417
3503	1.640	-4.195	-0.012513	24.406	4.588	241.907	-0.191549
		-1.442	0.000664	86.624	6.865	685.187	-0.685329
3504	0	-4.205	-0.030103	24.995	2.961	246.380	-0.204075
		-1.575	-0.015851	69.940	4.248	691.093	-0.840123
3504	1.640	-4.205	-0.030103	11.876	2.961	276.613	-0.253442
		-1.575	-0.015851	50.261	4.248	789.653	-0.866118
3505	0	-4.180	-0.036694	13.051	1.067	278.972	-0.226523
		-1.630	-0.008610	32.459	1.144	792.050	-0.929458
3505	1.640	-4.172	-0.037024	-0.074628	1.067	289.616	-0.287268
		-1.638	-0.008280	12.786	1.144	829.146	-0.943008
3506	0	-4.120	-0.037660	1.129	-0.981580	289.623	-0.228808
		-1.640	0.005937	-6.012	-1.633	827.969	-0.946000
3506	1.640	-4.128	-0.037999	-11.996	-0.981623	280.709	-0.290548
		-1.632	0.006276	-25.685	-1.633	801.982	-0.936284
3507	0	-4.052	-0.042576	-10.990	-2.859	279.341	-0.201965
		-1.583	0.018985	-47.910	-5.048	797.783	-0.879945
3507	1.640	-4.052	-0.042576	-24.109	-2.859	249.561	-0.271788
		-1.583	0.018985	-67.589	-5.048	703.077	-0.848810
3508	0	-3.943	-0.055659	-24.110	-4.544	245.040	-0.147812
		-1.460	0.011444	-88.998	-7.540	696.672	-0.704887
3508	1.640	-4.172	0.053148	-38.651	-3.972	193.403	-0.139340
		-1.460	0.011444	-108.677	-7.540	534.585	-0.686119
3509	0	-3.475	-0.019974	-39.371	-5.083	187.997	-0.125866
		-1.915	-0.036018	-127.907	-9.390	526.713	-0.404107
3509	1.640	-3.475	-0.019974	-52.490	-5.083	112.674	-0.158622
		-1.915	-0.036018	-147.586	-9.390	300.818	-0.463174
3510	0	-3.402	0.167625	-54.768	-6.129	106.355	-0.105838
		-1.586	-0.653657	-164.078	-11.657	292.118	-0.005910

3510	1.640	0.044353	-0.196737	-124.152	0.547541	-3.223	-0.403768
		-1.676	-0.385935	-129.932	-14.047	11.800	-0.683627
4101	0	-0.695525	-0.594519	176.955	-2.117	-2.378	0.430590
		-1.181	-0.139581	111.350	-14.152	9.788	-0.008070
4101	1.390	3.580	0.351795	55.880	-1.717	85.788	0.016573
		-0.687837	-1.385	246.159	-8.778	353.968	-0.667729
4102	0	3.393	-0.118288	52.938	-0.392446	86.585	0.075290
		-0.842710	-0.490927	229.669	-7.712	356.319	-0.303887
4102	1.390	3.524	-0.171903	41.794	-1.011	152.429	-0.109921
		-0.974156	-0.437312	213.014	-7.693	663.963	-0.965450
4103	0	3.264	-0.270632	39.220	-0.709622	153.153	0.122084
		-0.983761	-0.152581	193.524	-11.518	665.989	-0.873354
4103	1.390	3.265	-0.319682	28.080	-0.728669	199.919	-0.288629
		-0.984597	-0.103531	176.865	-11.498	923.406	-1.051
4104	0	2.136	-0.236320	25.686	-0.515145	200.514	-0.009764
		-0.079533	-0.072297	106.313	-3.255	924.628	-1.072
4104	1.390	2.942	-0.325024	14.560	-0.548974	228.485	-0.378269
		-0.885693	0.016407	89.640	-3.221	1060.808	-1.132
4105	0	1.654	-0.204949	12.287	-0.344184	228.890	-0.076988
		-0.050519	0.024972	18.832	1.773	1060.870	-1.205
4105	1.390	1.737	-0.240699	1.143	-0.358079	238.214	-0.383818
		0.102216	0.037189	2.156	1.773	1075.454	-1.160
4106	0	1.675	0.189672	-1.126	0.272708	238.368	-0.362198
		0.156505	0.128534	-70.251	9.691	1074.453	-1.220
4106	1.390	1.683	0.202674	-12.249	0.272790	229.070	-0.086900
		-0.440884	0.159436	16.253	-8.999	986.721	-0.980007
4107	0	2.154	0.284320	-14.558	0.452121	228.730	-0.366611
		-0.472963	0.188547	-54.783	-0.846240	987.596	-1.204
4107	1.390	1.902	0.225119	-25.685	0.427434	200.757	-0.026163
		-0.221504	0.247749	-71.454	-0.821553	899.870	-0.887362
4108	0	2.416	0.290130	-28.114	0.627053	200.245	-0.260598
		-0.299299	0.304994	-139.792	4.553	899.469	-1.148
4108	1.390	2.097	0.229690	-39.244	0.600423	153.436	0.079868
		0.019417	0.365433	-156.461	4.580	693.579	-0.660983
4109	0	2.591	0.067894	-41.895	0.912043	152.788	-0.005264
		-0.083220	0.622833	-223.365	13.386	691.764	-1.015
4109	1.390	-0.346422	-0.014193	-55.501	2.291	86.765	-0.165535
		-0.041741	0.745607	-240.002	13.439	369.715	-0.035037
4110	0	-0.240736	0.022772	-54.663	1.573	85.083	-0.109765
		0.102863	1.550	-254.967	10.974	366.933	-0.443620
4110	1.390	-0.022981	0.233062	-131.196	0.308284	-2.469	0.175278
		-0.355704	0.490795	-107.060	12.589	9.126	0.528809
4201	0	-0.712950	0.164902	285.313	7.672	-15.589	-0.306718
		0.001799	0.254165	65.330	-0.720055	0.437403	-0.393519
4201	1.390	-0.144552	0.199601	57.463	1.775	79.335	-0.155783
		0.286869	0.278249	338.853	2.498	460.666	-0.171952
4202	0	-0.248733	0.339501	44.473	1.294	79.562	-0.411213
		0.516501	-0.491485	175.984	1.209	454.418	0.629220
4202	1.390	-0.114940	0.215228	44.445	1.264	141.340	-0.008831
		-0.849942	-0.179877	269.756	3.899	757.049	0.098755
4203	0	-0.080324	0.202945	31.496	0.899379	141.543	-0.246848
		-0.753138	-0.199480	255.169	2.282	747.974	0.347496
4203	1.390	-0.080324	0.202945	31.496	0.899379	185.321	0.035234
		-0.753138	-0.199480	255.169	2.282	1102.645	0.070229
4204	0	-0.045870	0.181289	18.783	0.545038	185.473	-0.208941
		-0.743924	-0.178388	116.257	1.531	1096.639	0.307640
4204	1.390	-0.045870	0.181289	18.783	0.545038	211.580	0.043040
		-0.743924	-0.178388	116.257	1.531	1258.230	0.059690
4205	0	-0.011552	0.160932	6.239	0.177570	211.658	-0.184115
		-0.774114	-0.186253	-20.475	-0.062039	1256.448	0.301312
4205	1.390	-0.251397	0.183005	6.204	0.185876	220.315	0.077192
		-0.721640	-0.215804	-20.471	-0.062153	1227.990	0.015786
4206	0	-0.221469	0.160117	-6.273	-0.189895	220.311	-0.158614
		-0.778167	-0.224933	-155.804	-0.794636	1230.346	0.305403
4206	1.390	-0.368604	0.131296	-6.277	-0.189940	211.588	0.035826
		-1.002	0.145682	107.348	-0.043033	1164.122	0.211313
4207	0	-0.342594	0.118781	-18.804	-0.557657	211.493	-0.136647
		-1.024	0.168812	-30.672	-0.692533	1163.594	0.013722

4207	1.390	-0.683112	0.140258	-18.809	-0.560818	185.356	0.027543
		-1.024	0.168812	-30.672	-0.692533	1120.962	0.248361
4208	0	-0.653850	0.144509	-31.495	-0.911207	185.179	-0.162461
		-1.092	0.231725	-172.311	-2.225	1124.739	0.049356
4208	1.390	-0.653850	0.144509	-31.495	-0.911207	141.404	0.038398
		-1.092	0.231725	-172.311	-2.225	885.236	0.371441
4209	0	-0.632589	0.146920	-44.389	-1.268	141.172	-0.147829
		-1.260	0.179991	-318.721	-3.041	893.329	0.214952
4209	1.390	-0.632589	0.146920	-44.389	-1.268	79.473	0.056382
		-1.260	0.179991	-318.721	-3.041	450.325	0.465130
4210	0	-0.620378	0.097406	-57.319	-1.758	79.209	-0.113666
		-1.552	-0.434486	-343.109	-5.181	461.316	0.529768
4210	1.390	-1.196	-0.529251	-335.269	-7.731	-16.329	-0.091996
		0.012484	-0.387698	-65.121	0.776571	0.502040	-0.765186
4301	0	-2.443	0.056297	259.996	1.291	-14.914	-0.069894
		-0.121491	-0.104476	131.967	9.738	1.337	-0.210409
4301	1.390	0.366329	-0.472902	49.446	-0.093310	69.329	0.022422
		-1.633	0.026270	324.780	-0.041411	442.776	-0.022998
4302	0	0.411810	-0.593694	39.929	-0.032799	70.382	0.692450
		-1.481	0.042225	172.264	0.447155	438.082	-0.033622
4302	1.390	0.411810	-0.593694	39.929	-0.032799	125.882	-0.132751
		-2.122	0.070161	266.624	1.104	741.929	0.047152
4303	0	0.357132	-0.575534	29.475	-0.037693	126.715	0.609789
		-1.993	0.056495	254.492	0.255254	733.011	-0.024465
4303	1.390	0.249224	-0.006460	29.310	-0.010941	167.589	0.012119
		-1.993	0.056495	254.492	0.255254	1086.740	0.054060
4304	0	0.184902	-0.014855	17.977	-0.010646	168.166	0.028817
		-1.909	0.034808	118.283	0.416701	1080.678	-0.001523
4304	1.390	0.130391	-0.015149	17.851	-0.010646	193.053	0.008433
		-1.855	0.035102	118.410	0.416700	1245.187	0.046594
4305	0	0.111606	-0.025423	6.046	-0.010011	193.350	0.036755
		-1.837	0.011793	-16.919	0.064171	1243.179	0.017307
4305	1.390	0.111606	-0.025423	6.046	-0.010011	201.754	0.001419
		-1.837	0.011793	-16.919	0.064171	1219.662	0.033698
4306	0	0.099700	-0.036035	-5.911	-0.009449	201.756	0.043017
		-1.845	-0.012070	-152.423	0.223939	1221.771	0.034051
4306	1.390	-0.095399	-0.036018	-5.920	-0.009449	193.528	-0.007061
		-1.664	0.002540	101.391	-0.465076	1151.463	0.023668
4307	0	-0.106336	-0.046291	-17.744	-0.009021	193.234	0.047424
		-1.722	-0.021407	-35.681	-0.304509	1151.285	0.033275
4307	1.390	1.067	0.471094	-18.023	0.054803	169.463	0.435186
		-2.194	-0.021349	-35.585	-0.304509	1101.748	0.003800
4308	0	1.097	0.500324	-29.392	0.034846	167.896	-0.204877
		-2.317	-0.040748	-173.401	-0.647049	1105.601	0.039469
4308	1.390	1.096	0.500263	-29.392	0.034846	127.043	0.490528
		-2.316	-0.040687	-173.401	-0.647049	864.584	-0.017150
4309	0	1.106	0.593067	-39.971	0.030298	126.206	-0.114534
		-2.488	-0.044063	-313.613	-0.455398	872.344	0.034881
4309	1.390	1.106	0.593067	-39.971	0.030298	70.649	0.709795
		-2.488	-0.044063	-313.613	-0.455398	436.440	-0.026364
4310	0	1.061	0.699912	-49.707	0.077864	69.604	0.349505
		-2.646	-0.012432	-332.115	-1.236	446.722	0.029103
4310	1.390	-2.739	-0.002393	-306.996	-1.236	-15.185	0.025224
		0.122021	1.009	-102.163	-5.176	1.085	1.711
4401	0	-1.002	0.678290	231.313	11.158	-7.757	-0.825911
		-2.333	0.130691	82.408	8.399	3.680	-0.234635
4401	1.390	-1.902	-0.986190	57.126	-1.881	79.090	0.287878
		-1.335	0.722364	239.201	13.656	325.489	-0.029254
4402	0	-1.911	-0.932430	44.246	-1.402	79.363	1.113
		-1.219	0.572686	200.901	13.731	321.812	-0.554941
4402	1.390	-1.777	-0.808230	44.218	-1.372	140.825	-0.113473
		-1.352	0.448487	200.929	13.701	601.091	0.171591
4403	0	-1.645	-0.716244	31.368	-1.008	141.067	0.802778
		-1.388	0.299044	159.441	14.191	598.125	-0.261865
4403	1.390	-1.645	-0.716244	31.368	-1.008	184.667	-0.192761
		-1.388	0.299044	159.441	14.191	819.739	0.153790
4404	0	-1.507	-0.667713	18.741	-0.650513	184.852	0.723998

		-1.423	0.225269	85.243	6.472	817.574	-0.199322
4404	1.390	-1.507	-0.667713	18.741	-0.650513	210.901	-0.204085
		-1.423	0.225269	85.243	6.472	936.057	0.113789
4405	0	-1.362	-0.640135	6.264	-0.280796	211.003	0.681144
		-1.459	0.174947	10.700	0.067390	934.653	-0.158754
4405	1.390	-1.414	-0.669686	6.259	-0.280910	219.708	-0.235255
		-1.407	0.204498	10.704	0.067504	949.526	0.111059
4406	0	-1.257	-0.656492	-6.182	0.092370	219.709	0.665517
		-1.450	0.153445	-62.651	-7.997	948.998	-0.125209
4406	1.390	-0.466981	0.266770	-6.306	0.283670	211.058	0.360232
		-1.295	0.119381	14.593	4.910	881.733	0.055035
4407	0	-0.521032	0.274546	-18.786	0.651218	210.940	0.000971
		-1.348	0.049028	-58.843	-2.909	883.397	-0.045825
4407	1.390	-0.521032	0.274546	-18.786	0.651218	184.828	0.382574
		-1.348	0.049028	-58.843	-2.909	801.609	0.022321
4408	0	-0.576990	0.282453	-31.402	1.004	184.625	0.024694
		-1.420	-0.072958	-133.384	-8.849	803.838	0.038337
4408	1.390	-0.576990	0.282453	-31.402	1.004	140.979	0.417288
		-1.420	-0.072958	-133.384	-8.849	618.443	-0.063071
4409	0	-0.647753	0.322627	-44.216	1.361	140.714	0.105817
		-1.526	-0.278748	-206.931	-15.769	620.990	0.092452
4409	1.390	-0.647753	0.322627	-44.216	1.361	79.256	0.554250
		-1.526	-0.278748	-206.931	-15.769	333.367	-0.294992
4410	0	-1.349	0.248204	-56.407	1.491	78.642	0.394338
		-1.654	-0.527810	-246.088	-13.944	336.166	-0.084963
4410	1.390	-1.288	-0.206815	-204.173	-8.101	-8.122	-0.457157
		-2.139	-0.389156	-76.843	-7.210	3.722	-0.034981
4501	0	0.363519	-0.076837	106.988	0.128377	-2.030	0.038397
		-1.317	-0.037610	105.287	13.190	9.334	-0.066259
4501	1.390	-1.174	-0.568638	45.154	4.046	73.700	-0.215159
		-1.952	0.261470	131.326	9.774	198.942	-0.030421
4502	0	-1.182	-0.108114	43.089	3.079	77.242	-0.074446
		-2.009	-0.032013	117.959	7.579	204.775	-0.241411
4502	1.390	-1.051	-0.054566	31.945	3.098	129.396	-0.203979
		-2.140	-0.085562	101.303	7.560	357.149	-0.306647
4503	0	-1.144	0.056622	31.554	2.426	132.431	-0.246362
		-2.118	-0.120614	86.473	5.959	362.398	-0.334935
4503	1.390	-1.143	0.105617	20.414	2.446	168.542	-0.133143
		-2.119	-0.169608	69.814	5.940	471.018	-0.537097
4504	0	-2.090	0.034549	20.792	1.550	170.776	-0.206221
		-1.221	-0.073620	53.725	4.054	475.281	-0.518175
4504	1.390	-1.285	0.123353	9.666	1.584	191.944	-0.117810
		-2.025	-0.162424	37.053	4.020	538.367	-0.660891
4505	0	-2.135	0.035541	10.612	0.569460	193.147	-0.209584
		-1.191	-0.057808	20.368	1.575	541.247	-0.585816
4505	1.390	-2.288	0.047766	-0.510751	0.569472	200.170	-0.150047
		-1.051	-0.069271	9.892	1.428	562.361	-0.675202
4506	0	-2.340	0.049156	0.615069	-0.486743	200.232	-0.209504
		-0.979708	-0.059257	-3.361	-0.986676	561.715	-0.593743
4506	1.390	-2.332	0.036160	-10.508	-0.486825	193.355	-0.152836
		-0.987831	-0.046262	-20.037	-0.986594	545.456	-0.664450
4507	0	-2.103	-0.027795	-9.386	-1.430	192.254	-0.148253
		-1.144	0.021985	-36.615	-4.266	542.358	-0.583410
4507	1.390	-2.354	0.031461	-20.514	-1.405	171.468	-0.132281
		-0.892646	-0.037271	-53.286	-4.291	479.984	-0.607457
4508	0	-2.027	-0.048839	-20.162	-2.290	169.289	-0.099258
		-1.068	0.018421	-69.594	-6.828	474.880	-0.462349
4508	1.390	-2.346	0.012020	-31.291	-2.263	133.533	-0.104341
		-0.749264	-0.042439	-86.263	-6.855	366.561	-0.499546
4509	0	-1.903	-0.063781	-32.142	-3.086	130.493	-0.029487
		-0.927736	-0.083570	-101.312	-8.844	360.197	-0.255814
4509	1.390	-1.947	0.059883	-43.303	-3.033	78.083	-0.003464
		-0.884052	-0.207234	-117.949	-8.897	207.795	-0.486647
4510	0	-1.708	-0.010814	-45.702	-4.097	74.505	0.095064
		-0.752564	-0.473917	-131.536	-11.199	200.618	-0.131839
4510	1.390	-1.666	-0.003885	-107.215	0.182413	-2.083	0.059080
		-0.442768	-0.329723	-102.144	-11.635	8.541	-0.602181

5101	0	-0.045035	-0.149502	98.306	-0.500802	-1.459	0.007330
		0.441482	-0.093429	96.083	-12.804	8.202	-0.018018
5101	1.270	0.624042	0.075283	48.120	-2.983	70.518	-0.091500
		0.571097	-1.377	229.254	-10.477	302.453	-0.446381
5102	0	1.076	-0.089526	48.796	-0.851615	72.732	-0.052407
		0.597173	-0.572609	214.612	-9.583	305.600	-0.156382
5102	1.270	1.293	-0.106112	38.636	-0.852474	128.249	-0.167199
		0.379853	-0.556023	199.373	-9.582	568.471	-0.882468
5103	0	1.151	-0.167690	36.179	-0.644306	128.770	-0.020545
		0.256375	-0.230502	182.754	-13.724	571.207	-0.702968
5103	1.270	1.207	-0.172292	26.019	-0.644547	168.264	-0.225625
		0.200548	-0.225900	167.515	-13.723	793.619	-1.004
5104	0	1.017	-0.150950	23.722	-0.570455	168.743	-0.082617
		0.196581	-0.114572	99.681	-4.571	795.493	-0.918245
5104	1.270	1.069	-0.160481	13.562	-0.570675	192.418	-0.274718
		0.144897	-0.105042	84.442	-4.571	912.406	-1.063
5105	0	0.884320	-0.131429	11.338	-0.543458	192.840	-0.120960
		0.157116	-0.035281	16.654	1.236	913.082	-1.018
5105	1.270	0.927831	-0.141007	1.175	-0.543669	200.784	-0.291352
		0.113605	-0.025703	1.415	1.236	924.555	-1.059
5106	0	0.564030	-0.080982	-1.079	-0.513192	201.144	-0.159915
		0.301607	-0.001022	-68.380	10.068	924.108	-0.987828
5106	1.270	0.783249	-0.127758	-11.249	-0.540805	193.315	-0.287529
		-0.022216	0.004542	18.116	-10.200	847.642	-0.942406
5107	0	0.465738	-0.070617	-13.631	-0.530618	193.618	-0.150333
		0.162842	0.033454	-50.412	-1.277	848.507	-0.930058
5107	1.270	0.635345	-0.115004	-23.803	-0.556415	169.854	-0.264311
		-0.006766	0.077842	-65.638	-1.251	774.813	-0.863275
5108	0	0.362853	-0.056953	-26.431	-0.558227	170.118	-0.122327
		0.115429	0.116205	-131.385	4.484	774.434	-0.832724
5108	1.270	0.501699	-0.106771	-36.607	-0.582604	130.098	-0.222167
		-0.023416	0.166022	-146.609	4.508	597.909	-0.657638
5109	0	0.033110	0.043687	-39.581	3.168	129.826	-0.138951
		0.049738	0.174223	-211.379	13.067	596.225	-0.604223
5109	1.270	0.117560	-0.006109	-49.760	3.146	73.100	-0.111254
		-0.034712	0.224019	-226.600	13.089	318.117	-0.355186
5110	0	0.020043	0.038213	-47.849	2.846	70.336	-0.065802
		-0.032891	0.139636	-238.623	6.678	315.535	-0.273829
5110	1.270	0.201394	-0.143712	-99.272	-1.491	-1.444	-0.174307
		-0.128872	0.143532	-91.971	7.189	7.867	0.027914
5201	0	0.091354	0.149619	282.980	6.127	-14.003	-0.649169
		-0.050163	0.536802	57.313	-0.363701	0.466237	-0.517943
5201	1.270	-0.213803	0.195399	51.401	1.523	64.797	-0.083493
		0.467961	0.428027	328.723	1.932	408.810	-0.627505
5202	0	-0.163588	0.202783	39.823	1.056	64.927	-0.235927
		0.534573	-0.246025	168.870	0.952613	403.343	0.143459
5202	1.270	-0.163588	0.202783	39.823	1.056	115.501	0.021597
		0.263093	-0.289920	267.805	3.069	693.860	-0.041693
5203	0	-0.112981	0.207420	28.216	0.713492	115.602	-0.196347
		0.320823	-0.356292	253.667	1.358	675.436	0.367919
5203	1.270	-0.112981	0.207420	28.216	0.713492	181.434	0.067066
		0.320823	-0.356292	253.667	1.358	987.581	-0.084554
5204	0	-0.067901	0.204419	16.765	0.384653	181.486	-0.171515
		0.304879	-0.338503	114.832	0.864331	981.885	0.321449
5204	1.270	-0.067901	0.204419	16.765	0.384653	172.776	0.088086
		0.304879	-0.338503	114.832	0.864331	1137.716	-0.108431
5205	0	-0.026660	0.195515	5.464	0.047525	172.760	-0.151291
		0.253314	-0.339552	-22.326	-0.553935	1135.703	0.306357
5205	1.270	-0.026660	0.195515	5.464	0.047525	179.699	0.097002
		0.253314	-0.339552	-22.326	-0.553935	1137.350	-0.124856
5206	0	0.012768	0.185940	-5.742	-0.289361	179.598	-0.134995
		0.185536	-0.359072	-157.276	-0.981796	1108.963	0.308114
5206	1.270	0.012768	0.185940	-5.742	-0.289361	172.305	0.101139
		0.148001	-0.245328	110.319	-0.698637	1046.875	-0.083643
5207	0	0.051059	0.177123	-16.899	-0.607925	172.111	-0.120891
		0.074873	-0.278379	-27.200	-1.033	1046.439	0.247151
5207	1.270	0.051059	0.177123	-16.899	-0.607925	150.650	0.104046
		0.074873	-0.278379	-27.200	-1.033	1011.896	-0.106375

5208	0	0.088046	0.168509	-28.038	-0.883813	150.366	-0.106376
		-0.000716	-0.324977	-168.550	-2.254	1015.128	0.257468
5208	1.270	0.000329	0.155395	-28.046	-0.879783	114.756	0.100553
		-0.000716	-0.324977	-168.550	-2.254	801.079	-0.155236
5209	0	0.123119	0.159512	-39.167	-1.073	114.397	-0.088321
		-0.067194	-0.368285	-313.736	-2.310	807.930	0.235361
5209	1.270	0.033165	0.145665	-39.172	-1.070	64.652	0.104479
		-0.036781	-0.285255	-166.203	-0.755226	410.411	-0.177715
5210	0	0.154520	0.149550	-50.238	-1.025	64.239	-0.059716
		-0.107730	-0.351735	-337.682	-2.844	418.798	0.151679
5210	1.270	-0.105708	-0.125861	-306.708	-4.014	-11.038	-0.102326
		0.108099	-0.327226	-81.409	-0.085661	1.457	-0.275785
5301	0	-0.616239	0.035030	258.558	1.268	-12.744	-0.050607
		0.018995	0.250651	121.326	9.678	1.112	-1.134
5301	1.270	0.227396	0.152839	43.511	-0.110152	55.758	-0.263952
		-0.619797	0.033362	314.745	-0.220011	392.572	-0.054347
5302	0	0.273723	-0.221883	34.953	-0.057171	56.522	0.192146
		-0.511975	0.041127	164.152	0.426185	388.570	-0.045546
5302	1.270	0.273723	-0.221883	34.953	-0.057171	100.910	-0.089634
		-0.567094	0.049329	263.827	1.053	669.821	0.026215
5303	0	0.257964	-0.328207	25.789	-0.057441	101.508	0.307426
		-0.450543	0.039748	252.410	0.123503	662.042	-0.013743
5303	1.270	0.228245	0.005259	25.662	-0.011849	134.238	0.012928
		-0.450543	0.039748	252.410	0.123503	982.590	0.036735
5304	0	0.217442	-0.325656	15.998	-0.075684	134.633	0.280429
		-0.362275	0.021421	116.823	0.391321	977.269	0.007089
5304	1.270	0.140980	-0.003677	15.756	-0.011776	154.752	0.010821
		-0.318540	0.021492	116.913	0.391321	1125.638	0.033848
5305	0	0.152160	-0.012775	5.647	-0.011164	154.926	0.021720
		-0.302084	0.000885	-18.186	0.109382	1123.742	0.024080
5305	1.270	0.124987	-0.012933	5.564	-0.011164	161.994	0.005549
		-0.274911	0.001043	-18.103	0.109381	1100.751	0.025151
5306	0	0.113818	-0.022765	-4.790	-0.010560	161.938	0.027648
		-0.245371	-0.020864	-152.703	0.368481	1102.325	0.038137
5306	1.270	0.113818	-0.022765	-4.790	-0.010560	155.854	-0.001261
		-0.177604	-0.019264	105.575	-0.628253	1037.889	0.011614
5307	0	0.105668	-0.033472	-15.137	-0.010063	155.575	0.032120
		-0.165664	-0.040971	-30.974	-0.360460	1037.812	0.045686
5307	1.270	0.105668	-0.033472	-15.137	-0.010063	136.352	-0.010387
		-0.165664	-0.040971	-30.974	-0.360460	998.477	-0.006345
5308	0	0.099522	-0.043040	-25.325	-0.009667	135.871	0.033000
		-0.156599	-0.060139	-169.265	-0.615826	1001.828	0.048538
5308	1.270	0.099522	-0.043040	-25.325	-0.009667	103.710	-0.021658
		-0.156599	-0.060139	-169.265	-0.615826	786.871	-0.027835
5309	0	0.094809	-0.047934	-35.227	-0.009234	103.062	0.027812
		-0.149145	-0.069096	-309.977	-0.267891	793.527	0.040060
5309	1.270	0.094809	-0.047934	-35.227	-0.009234	58.325	-0.033062
		-0.149145	-0.069096	-309.977	-0.267891	399.872	-0.047688
5310	0	0.091454	-0.039484	-44.694	-0.007897	57.562	0.014414
		-0.143832	-0.054049	-329.303	-0.920528	408.704	0.018722
5310	1.270	-0.145404	-0.042061	-306.907	-0.920528	-9.918	-0.038850
		-0.009833	-0.145025	-153.987	-10.984	2.425	-0.129189
5401	0	0.115066	0.455537	176.857	6.060	-5.879	-0.244262
		-0.632360	0.006836	69.590	6.388	3.667	-0.476858
5401	1.270	-0.877964	-0.805882	51.096	-1.644	64.649	0.017860
		0.093868	0.721849	223.636	12.941	278.952	-0.067049
5402	0	-0.779720	-0.586236	39.608	-1.177	64.812	0.565647
		0.081135	0.484140	189.236	13.133	276.362	-0.438309
5402	1.270	-0.779720	-0.586236	39.608	-1.177	115.112	-0.178843
		0.081135	0.484140	189.236	13.133	516.682	0.176523
5403	0	-0.690521	-0.496178	28.080	-0.834567	115.243	0.424887
		0.053769	0.337701	151.546	14.196	514.544	-0.233037
5403	1.270	-0.690521	-0.496178	28.080	-0.834567	150.903	-0.205234
		0.053769	0.337701	151.546	14.196	707.001	0.195827
5404	0	-0.594243	-0.468520	16.705	-0.502830	150.981	0.389896
		0.024098	0.264467	81.061	6.485	705.347	-0.166548
5404	1.270	-0.594243	-0.468520	16.705	-0.502830	172.196	-0.205099
		0.024098	0.264467	81.061	6.485	808.299	0.169311

```
 5405       0 -0.491552 -0.457595    5.468 -0.162691   172.198  0.373003
              -0.006532  0.223598   10.124  0.239795   807.078 -0.138855
 5405   1.270 -0.491552 -0.457595    5.468 -0.162691   179.142 -0.208119
              -0.006532  0.223598   10.124  0.239795   819.936  0.145103
 5406       0 -0.383899 -0.453808   -5.691  0.175915   179.051  0.358869
              -0.038004  0.194758  -59.950 -7.837      819.263 -0.118703
 5406   1.270 -0.383899 -0.453808   -5.691  0.175915   171.824 -0.217442
               0.013721  0.183499   14.349  5.533      757.875  0.117616
 5407       0 -0.271797 -0.455702  -16.816  0.494787   171.633  0.344484
              -0.020282  0.163699  -55.220 -2.303      758.952 -0.098988
 5407   1.270 -0.271797 -0.455702  -16.816  0.494787   150.278 -0.234233
              -0.020282  0.163699  -55.220 -2.303      688.826  0.108900
 5408       0 -0.157518 -0.464665  -27.935  0.770209   149.989  0.324382
              -0.051692  0.146068 -125.039 -8.123      690.156 -0.083256
 5408   1.270 -0.157518 -0.464665  -27.935  0.770209   114.513 -0.265717
              -0.051692  0.146068 -125.039 -8.123      531.363  0.102242
 5409       0 -0.049438 -0.472797  -39.055  0.959860   114.139  0.281532
              -0.081405  0.128359 -193.505 -14.984     532.751 -0.066772
 5409   1.270 -0.049438 -0.472797  -39.055  0.959860    64.542 -0.318895
              -0.081405  0.128359 -193.505 -14.984     287.010  0.096237
 5410       0  0.036111 -0.448253  -50.124  0.925513    64.110  0.187361
              -0.111685  0.118695 -228.308 -11.407     288.449 -0.046459
 5410   1.270 -0.150880 -0.076500 -166.396  -7.863     -3.830 -0.060710
              -0.052413 -0.094321  -88.582  -4.658      4.824 -0.080335
 5501       0 -0.056834  0.073470   98.305  0.500720   -1.459 -0.125255
               0.329104 -0.061869   90.884  11.693      7.656 -0.045035
 5501   1.270 -0.364821 -0.455008   42.170   2.703     61.895 -0.107715
              -0.264543  0.189647  115.361   9.393     160.637 -0.124635
 5502       0 -0.527268 -0.148435   40.138   1.908     64.020 -0.005509
              -0.109584 -0.009847  103.568   7.246     165.705 -0.236610
 5502   1.270 -0.310216 -0.131946   29.978   1.909     108.542 -0.193009
              -0.326636 -0.026336   88.329   7.245     287.555 -0.250120
 5503       0 -0.289339 -0.020791   29.376   1.508     110.375 -0.151427
              -0.363336 -0.074216   75.647   5.648     292.109 -0.303769
 5503   1.270 -0.289339 -0.020791   19.217   1.508     141.230 -0.177830
              -0.363336 -0.074216   60.408   5.648     378.500 -0.398020
 5504       0 -0.281854 -0.011172   19.296   1.011     142.609 -0.164555
              -0.371352 -0.058963   46.869   3.807     382.192 -0.409712
 5504   1.270 -0.230118 -0.001628    9.136   1.012     160.663 -0.178330
              -0.423088 -0.068508   31.629   3.806     432.036 -0.485004
 5505       0 -0.270032 -0.018109    9.719   0.464909  161.467 -0.165497
              -0.360044 -0.032946   17.700   1.485     434.527 -0.471657
 5505   1.270 -0.226490 -0.008529 -0.440554  0.465119  167.358 -0.185009
              -0.422113 -0.037189    8.259   1.758     448.164 -0.509187
 5506       0 -0.432722 -0.057595  0.342959 -0.131774  167.510 -0.137331
              -0.151732  0.030582  -11.003  -1.287     448.301 -0.513133
 5506   1.270 -0.213990 -0.011005   -9.827 -0.104162  161.488 -0.185721
              -0.399127 -0.015858  -17.464 -0.240017  435.425 -0.503251
 5507       0 -0.362556 -0.051082   -9.028 -0.557856  160.965 -0.130433
              -0.194442  0.055035  -31.237  -3.174     433.199 -0.494878
 5507   1.270 -0.193330 -0.006791  -19.200 -0.532059  143.047 -0.171034
              -0.363671  0.010743  -46.464  -3.200     383.856 -0.449258
 5508       0 -0.288097 -0.039132  -19.085 -0.934332  141.905 -0.110544
              -0.196961  0.082857  -60.314  -5.391     380.039 -0.427709
 5508   1.270 -0.149525  0.010563  -29.270 -0.909956  111.201 -0.132806
              -0.335533  0.033162  -75.537  -5.415     293.771 -0.349919
 5509       0 -0.212175 -0.028210  -30.277  -1.211    109.572 -0.072228
              -0.188731  0.104912  -88.465  -6.626     288.798 -0.310993
 5509   1.270 -0.127883  0.021521  -40.455  -1.189     64.663 -0.080325
              -0.273023  0.055181 -103.686  -6.649     166.783 -0.205490
 5510       0 -0.137339 -0.041871  -42.708  -1.229     62.731 -0.017526
              -0.168654  0.090983 -114.608  -6.107     161.104 -0.148042
 5510   1.270 -0.002992  0.141149  -99.299   1.333    -1.293  0.032500
              -0.169400 -0.023063  -88.019  -6.433     7.223 -0.087435
.ID GWS3KZ,STATIK2,1.58
.UN  M,KN
.EL !LVIGA.009
.SK 3
```

.TP 12
.TK 6
ENVOLVENTE para < Vz > (y valores concomitantes)
(1. l¡nea: MIN., 2. l¡nea: MAX.)

Barra	Distancia [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
1101	0	-0.013424	-0.098537	58.008	-2.847	3.121	0.026880
		-0.012379	-0.062408	245.215	-4.931	2.407	-0.145086
1101	1.270	-0.013424	-0.098537	47.848	-2.847	70.337	-0.098256
		-0.012379	-0.062408	229.975	-4.931	304.141	-0.224341
1102	0	-0.049144	-0.090554	49.740	-3.169	73.110	-0.057724
		0.125383	-0.121108	215.654	-7.112	306.466	-0.397688
1102	1.270	-0.049144	-0.090554	39.580	-3.169	129.826	-0.172723
		0.125383	-0.121108	200.414	-7.112	570.659	-0.551490
1103	0	-0.035882	-0.084680	30.522	7.987	297.859	-0.297146
		0.254457	-0.083375	183.354	-12.140	572.578	-0.705859
1103	1.270	-0.035882	-0.084680	20.362	7.987	330.169	-0.404685
		0.254457	-0.083375	168.115	-12.140	795.751	-0.811741
1104	0	-0.080648	-0.056599	15.788	2.892	329.968	-0.351813
		0.419245	0.014033	104.093	-3.222	612.478	-0.764640
1104	1.270	-0.080648	-0.056599	5.628	2.892	343.567	-0.423691
		0.419245	0.014033	88.854	-3.222	734.995	-0.746819
1105	0	-0.129667	-0.039222	-0.988218	1.954	342.892	-0.366919
		0.560296	0.057843	68.455	-4.220	736.034	-0.908627
1105	1.270	-0.129667	-0.039222	-11.148	1.954	335.186	-0.416729
		0.560296	0.057843	53.216	-4.220	813.292	-0.835169
1106	0	0.032797	0.048126	-68.498	11.284	923.948	-1.035
		0.668939	0.101490	38.282	-9.164	586.760	-0.740288
1106	1.270	0.032797	0.048126	-83.738	11.284	827.282	-0.974105
		0.668939	0.101490	28.123	-9.164	628.926	-0.611400
1107	0	0.022836	0.100598	-104.068	6.470	825.381	-0.961670
		0.975945	0.150079	-10.646	-0.002535	243.696	-0.343728
1107	1.270	0.022886	0.100598	-119.307	6.470	683.543	-0.833916
		0.975945	0.150079	-20.805	-0.002535	223.725	-0.153135
1108	0	0.046492	0.186411	-139.103	5.636	681.442	-0.870376
		1.132	0.175573	-24.349	-0.628675	223.323	-0.334200
1108	1.270	0.046492	0.186411	-154.342	5.636	495.111	-0.633644
		1.132	0.175573	-34.508	-0.628675	185.950	-0.111230
1109	0	0.436025	0.614457	-210.272	15.697	594.137	-0.977598
		1.310	0.237721	-36.138	-4.204	185.253	-0.321195
1109	1.270	0.436025	0.614457	-225.511	15.697	317.426	-0.197268
		1.310	0.237721	-46.298	-4.204	132.908	-0.019302
1110	0	0.730674	1.592	-238.054	12.843	314.041	-0.591661
		0.457510	-0.262302	-49.690	1.246	70.652	-0.031349
1110	1.270	0.730674	1.592	-253.294	12.843	2.048	1.429
		0.457510	-0.262302	-59.850	1.246	1.096	-0.364459
1201	0	0.154417	-0.149422	50.238	1.025	0.438916	0.130166
		-0.070920	0.285519	331.784	0.976768	-5.993	-0.236949
1201	1.270	0.154417	-0.149422	50.238	1.025	64.239	-0.059592
		-0.070920	0.285519	331.784	0.976768	415.356	0.125645
1202	0	0.122909	-0.159677	39.167	1.073	64.657	0.114365
		-0.071152	0.390785	265.525	3.364	345.870	-0.252983
1202	1.270	0.122909	-0.159677	39.167	1.073	114.397	-0.088416
		-0.071152	0.390785	265.525	3.364	683.073	0.243295
1203	0	-0.055276	-0.142645	-31.255	1.744	447.325	0.103198
		0.000416	0.361839	252.432	2.168	675.358	-0.132344
1203	1.270	-0.055276	-0.142645	-31.255	1.744	407.633	-0.077954
		0.000416	0.361839	252.432	2.168	995.933	0.277174
1204	0	-0.082083	-0.158235	-34.712	0.411473	407.690	0.101925
		0.128450	0.391199	127.223	2.106	602.393	-0.186144
1204	1.270	-0.082083	-0.158235	-34.712	0.411473	363.608	-0.099026
		0.128450	0.391199	127.228	2.106	763.966	0.310659
1205	0	-0.113746	-0.166067	-35.805	-0.033117	364.764	0.095454
		0.218289	0.377981	118.087	1.767	759.978	-0.164296
1205	1.270	-0.113746	-0.166067	-35.805	-0.033117	319.294	-0.115443
		0.218289	0.377981	118.087	1.767	909.942	0.315721
1206	0	-0.200537	-0.096887	-157.074	-0.045507	1108.298	0.067754
		0.357418	0.364527	118.735	0.030308	641.768	-0.147445

1206	1.270	-0.200537	-0.096887	-157.074	-0.045507	908.823	-0.055287
		0.357418	0.364527	118.735	0.030308	792.555	0.315485
1207	0	0.141909	0.183487	-163.689	-1.511	913.814	-0.060890
		0.297216	0.132077	-0.060255	0.052556	236.607	-0.049664
1207	1.270	0.141909	0.183487	-163.689	-1.511	705.938	0.172129
		0.297216	0.132077	-0.060255	0.052556	236.531	0.118067
1208	0	0.347405	0.312142	-173.949	-1.918	712.921	-0.079993
		0.093892	0.037638	-8.386	-0.484313	235.894	-0.045769
1208	1.270	0.347405	0.312142	-173.949	-1.918	492.014	0.316412
		0.093892	0.037638	-8.386	-0.484313	225.244	0.002029
1209	0	0.380325	0.296892	-316.086	-2.101	808.500	-0.069989
		0.027476	-0.021371	-19.704	-1.956	225.912	-0.141893
1209	1.270	0.380325	0.296892	-316.086	-2.101	407.087	0.307049
		0.027476	-0.021371	-19.704	-1.956	200.888	-0.169033
1210	0	0.268878	-0.151724	-339.297	-4.348	417.103	-0.211453
		-0.197508	-0.822881	-51.360	-1.539	65.089	-0.268946
1210	1.270	0.268878	-0.151724	-339.297	-4.348	-13.787	-0.404135
		-0.197508	-0.822881	-51.360	-1.539	-0.136031	-1.314
1301	0	0.182435	0.024990	44.705	1.56E-05	0.809159	-0.023004
		-0.092750	0.049291	319.691	0.486329	-4.940	-0.045639
1301	1.270	0.182435	0.024990	44.705	1.56E-05	57.582	0.008733
		-0.092750	0.049291	319.691	0.486329	401.051	0.016958
1302	0	0.184942	0.031833	35.238	1.80E-05	58.352	-0.021718
		-0.171306	0.071657	263.785	1.015	340.019	-0.049261
1302	1.270	0.184942	0.031833	35.238	1.80E-05	103.103	0.018709
		-0.171306	0.071657	263.785	1.015	675.011	0.041740
1303	0	0.038027	0.029082	-30.425	0.952584	426.386	-0.013434
		-0.180816	0.062238	251.432	0.123676	667.370	-0.028727
1303	1.270	0.038027	0.029082	-30.425	0.952584	387.748	0.023499
		-0.180816	0.062238	251.432	0.123676	986.678	0.050312
1304	0	0.046453	0.019540	-32.624	0.106353	387.899	-0.002731
		-0.233678	0.045097	126.298	0.592300	604.826	-0.007310
1304	1.270	0.046453	0.019540	-32.624	0.106353	346.468	0.022084
		-0.233678	0.045097	126.298	0.592300	765.218	0.049960
1305	0	0.049954	0.008773	-34.017	-0.104678	347.435	0.006166
		-0.261203	0.021780	113.781	0.329146	761.337	0.011257
1305	1.270	0.049954	0.008773	-34.017	-0.104678	304.236	0.017307
		-0.261203	0.021780	113.781	0.329146	905.833	0.038917
1306	0	-0.161031	-0.001715	-154.615	0.375045	1102.685	0.025404
		-0.215512	0.003987	113.055	-0.620819	625.576	0.011358
1306	1.270	-0.161031	-0.001715	-154.615	0.375045	906.302	0.023226
		-0.215512	0.003987	113.055	-0.620819	769.150	0.016422
1307	0	-0.194353	-0.023354	-163.398	-0.577205	910.724	0.035327
		-0.062156	0.000872	-0.301270	0.007063	216.133	0.011265
1307	1.270	-0.194353	-0.023354	-163.398	-0.577205	703.217	0.005669
		-0.062156	0.000872	-0.301270	0.007063	215.811	0.012372
1308	0	-0.243033	-0.041769	-174.896	-0.839970	709.074	0.037859
		-0.090017	-0.008259	-6.890	-0.137143	215.496	0.011971
1308	1.270	-0.243033	-0.041769	-174.896	-0.839970	486.965	-0.015186
		-0.090017	-0.008259	-6.890	-0.137143	206.746	0.001483
1309	0	-0.525052	-0.047070	-310.005	-0.307949	788.038	0.021923
		-0.053065	-0.014652	-14.663	-0.794592	206.638	0.000421
1309	1.270	-0.525052	-0.047070	-310.005	-0.307949	394.348	-0.037855
		-0.053065	-0.014652	-14.663	-0.794592	188.017	-0.013186
1310	0	-0.653438	-0.039195	-327.548	-1.157	403.248	-0.015517
		0.174168	-0.084905	-43.516	0.101578	55.813	-0.343680
1310	1.270	-0.653438	-0.039195	-327.548	-1.157	-12.721	-0.065293
		0.174168	-0.084905	-43.516	0.101578	0.549129	-0.451506
1401	0	0.008937	0.232131	48.961	0.924412	2.075	-0.197749
		-0.131170	-0.117960	222.131	11.184	-2.225	0.104267
1401	1.270	0.008937	0.232131	48.961	0.924412	64.254	0.097045
		-0.131170	-0.117960	222.131	11.184	279.870	-0.045536
1402	0	-0.065738	0.459700	39.056	-0.973538	64.540	-0.310056
		-0.101405	-0.128134	187.704	12.544	277.815	0.097310
1402	1.270	-0.065738	0.459700	39.056	-0.973538	114.139	0.273739
		-0.101405	-0.128134	187.704	12.544	516.189	-0.065414
1403	0	-0.069980	0.205044	27.013	-3.152	242.262	-0.112870
		-0.072926	-0.148042	150.768	13.624	514.560	0.104872

1403	1.270	-0.069980	0.205044	27.013	-3.152	276.568	0.147526
		-0.072926	-0.148042	150.768	13.624	706.028	-0.083134
1404	0	-0.119734	0.195728	10.764	-1.105	276.102	-0.093506
		-0.068511	-0.168290	86.275	5.970	563.697	0.116455
1404	1.270	-0.119734	0.195728	10.764	-1.105	289.772	0.155059
		-0.068511	-0.168290	86.275	5.970	673.262	-0.097265
1405	0	-0.167461	0.187389	-4.965	-1.312	289.337	-0.079198
		-0.037747	-0.193199	51.616	4.522	673.204	0.129611
1405	1.270	-0.167461	0.187389	-4.965	-1.312	283.031	0.158777
		-0.037747	-0.193199	51.616	4.522	738.754	-0.115742
1406	0	-0.394050	0.143849	-59.882	-8.408	818.824	-0.019741
		0.082506	-0.208011	22.811	5.159	473.987	0.120057
1406	1.270	-0.394050	0.143849	-59.882	-8.408	742.776	0.162940
		0.082506	-0.208011	22.811	5.159	502.957	-0.144106
1407	0	-0.065038	-0.161146	-97.408	-8.190	743.485	0.127283
		-0.156605	0.086737	-14.468	0.388390	213.255	-0.013236
1407	1.270	-0.065038	-0.161146	-97.408	-8.190	619.782	-0.077365
		-0.156605	0.086737	-14.468	0.388390	194.881	0.096916
1408	0	0.160153	-0.316894	-133.013	-9.582	622.047	0.177819
		-0.399298	0.154025	-27.767	0.778899	194.409	-0.010894
1408	1.270	0.160153	-0.316894	-133.013	-9.582	453.126	-0.224621
		-0.399298	0.154025	-27.767	0.778899	159.147	0.184711
1409	0	0.141961	-0.539837	-194.995	-15.630	533.420	0.190325
		-0.868054	0.601377	-39.601	1.162	115.141	-0.210295
1409	1.270	0.141961	-0.539837	-194.995	-15.630	285.787	-0.495240
		-0.868054	0.601377	-39.601	1.162	64.849	0.553423
1410	0	0.156907	-0.844925	-230.002	-13.354	287.770	-0.122387
		-0.933754	0.440066	-50.055	1.513	63.806	-0.272838
1410	1.270	0.156907	-0.844925	-230.002	-13.354	-4.321	-1.195
		-0.933754	0.440066	-50.055	1.513	0.238661	0.286024
1501	0	-0.136025	0.081738	52.837	1.108	1.955	-0.100061
		-0.135521	-0.150385	130.614	5.020	4.705	0.011519
1501	1.270	-0.136025	0.081738	42.678	1.108	62.605	0.003743
		-0.135521	-0.150385	115.374	5.020	160.902	-0.179462
1502	0	-0.243460	0.059548	40.529	1.158	64.468	-0.125380
		-0.107604	-0.150837	104.329	5.512	165.458	-0.151630
1502	1.270	-0.243460	0.059548	30.369	1.158	109.486	-0.049757
		-0.107604	-0.150837	89.090	5.512	288.274	-0.343185
1503	0	-0.352792	0.069228	29.508	1.009	111.071	-0.176525
		0.017274	-0.121893	78.233	2.645	271.707	-0.281376
1503	1.270	-0.352792	0.069228	19.348	1.009	142.093	-0.088609
		0.017274	-0.121893	62.994	2.645	361.382	-0.436174
1504	0	-0.460467	0.081346	19.242	0.606249	143.239	-0.211539
		0.062740	-0.096351	51.310	1.183	362.010	-0.384320
1504	1.270	-0.460467	0.081346	9.082	0.606249	161.224	-0.108234
		0.062740	-0.096351	36.071	1.183	417.495	-0.506681
1505	0	-0.353482	0.037622	7.750	0.824914	216.869	-0.261084
		0.073197	-0.080769	23.662	0.968462	427.942	-0.450572
1505	1.270	-0.353482	0.037622	-2.410	0.824914	220.260	-0.213276
		0.073197	-0.080769	8.422	0.968462	448.315	-0.553145
1506	0	-0.408410	0.047444	-10.890	-2.067	448.201	-0.509020
		0.165014	-0.065843	2.892	-0.852288	220.212	-0.214133
1506	1.270	-0.408410	0.047444	-26.129	-2.067	424.695	-0.446768
		0.165014	-0.065843	-7.268	-0.852288	217.433	-0.297750
1507	0	-0.417725	0.058629	-35.822	-3.732	423.357	-0.458188
		-0.094902	-0.021993	-9.077	-0.963825	160.526	-0.170422
1507	1.270	-0.417725	0.058629	-51.061	-3.732	368.189	-0.383732
		-0.094902	-0.021993	-19.236	-0.963825	142.548	-0.198352
1508	0	-0.444307	0.088440	-61.349	-1.590	360.042	-0.365396
		-0.075094	-0.001858	-18.961	-1.433	141.170	-0.181489
1508	1.270	-0.444307	0.088440	-76.588	-1.590	272.455	-0.253081
		-0.075094	-0.001858	-29.120	-1.433	110.640	-0.183849
1509	0	-0.339222	-0.020833	-87.708	-8.400	288.250	-0.195662
		-0.083313	0.133722	-29.886	-1.962	108.757	-0.212762
1509	1.270	-0.339222	-0.020833	-102.948	-8.400	167.188	-0.222118
		-0.083313	0.133722	-40.045	-1.962	64.353	-0.042942
1510	0	-0.202090	-0.314838	-114.778	-10.718	161.010	-0.041907

		-0.146456	0.494796	-42.239	-2.844	62.147	-0.135108
1510	1.270	-0.202090	-0.314838	-130.017	-10.718	5.572	-0.441736
		-0.146456	0.494796	-52.399	-2.844	2.054	0.493258
2101	0	-0.324558	-0.090242	65.304	-3.729	3.796	0.019865
		-0.069531	-1.481	263.011	-8.640	0.098588	1.679
2101	1.390	-0.324558	-0.090242	54.184	-3.729	86.837	-0.105566
		-0.069531	-1.481	246.332	-8.640	354.078	-0.378849
2102	0	1.915	-0.193516	53.016	-0.880106	86.721	0.113837
		-0.210639	-0.595752	229.766	-7.611	356.355	-0.139320
2102	1.390	1.915	-0.193516	41.896	-0.880106	152.682	-0.155139
		-0.210639	-0.595752	213.087	-7.611	664.125	-0.967381
2103	0	-0.139751	-0.276770	33.470	5.787	346.205	-0.243366
		-0.528874	-0.268820	193.570	-11.431	666.096	-0.757799
2103	1.390	-0.139751	-0.276770	22.350	5.787	384.998	-0.623061
		-0.528874	-0.268820	176.891	-11.431	923.556	-1.131
2104	0	-0.327407	-0.274063	16.823	1.844	385.144	-0.257838
		-0.214095	0.000271	111.528	-3.330	717.183	-0.900891
2104	1.390	-0.327407	-0.274063	5.704	1.844	400.799	-0.638770
		-0.214095	0.000271	94.849	-3.330	860.609	-0.900514
2105	0	-0.647425	-0.258106	-1.331	1.336	400.395	-0.273558
		-0.078161	0.053170	72.408	-4.384	861.993	-1.056
2105	1.390	-0.647425	-0.258106	-12.450	1.336	390.817	-0.632312
		-0.078161	0.053170	55.729	-4.384	951.045	-0.982451
2106	0	-1.128	-0.135574	-70.293	9.725	1074.417	-1.074
		0.731860	0.156064	38.606	-8.860	674.271	-0.864544
2106	1.390	-1.128	-0.135574	-86.973	9.725	965.122	-1.263
		0.731860	0.156064	27.487	-8.860	720.204	-0.647624
2107	0	-1.366	-0.074131	-110.199	5.090	963.600	-0.989390
		2.325	0.296445	-11.606	-0.064653	286.708	-0.446239
2107	1.390	-1.366	-0.074131	-126.879	5.090	798.838	-1.092
		2.325	0.296445	-22.725	-0.064653	262.849	-0.034196
2108	0	-1.560	0.011410	-148.856	4.138	797.401	-0.879986
		2.643	0.303090	-26.790	-0.428350	262.438	-0.396426
2108	1.390	-1.560	0.011410	-165.536	4.138	578.908	-0.864126
		2.643	0.303090	-37.909	-0.428350	217.474	0.024852
2109	0	-0.358982	0.482159	-223.305	13.468	691.543	-1.010
		2.939	0.291979	-40.230	-3.663	216.650	-0.311016
2109	1.390	-0.358982	0.482159	-239.984	13.468	369.570	-0.340016
		2.939	0.291979	-51.350	-3.663	153.004	0.094819
2110	0	-0.107590	1.473	-254.839	11.094	366.747	-0.704667
		0.651849	-0.323087	-54.473	1.750	84.985	-0.007021
2110	1.390	-0.107590	1.473	-271.518	11.094	0.943493	1.343
		0.651849	-0.323087	-65.592	1.750	1.543	-0.456094
2201	0	0.142450	-0.015767	57.285	1.757	-0.242392	-0.111764
		-1.297	0.557424	338.482	2.521	-10.304	-0.595387
2201	1.390	0.142450	-0.015767	57.285	1.757	79.381	-0.133679
		-1.297	0.557424	338.482	2.521	460.167	0.179401
2202	0	0.071868	-0.055773	44.356	1.290	79.626	0.002077
		-1.474	-0.125970	269.618	3.969	381.694	0.438220
2202	1.390	0.071868	-0.055773	44.356	1.290	141.278	-0.075444
		-1.474	-0.125970	269.618	3.969	756.448	0.263129
2203	0	-0.873658	-0.686367	-27.980	1.811	487.600	0.556303
		-1.278	-0.130523	255.188	2.369	747.450	0.299695
2203	1.390	-0.873658	-0.686367	-27.980	1.811	448.709	-0.397709
		-1.278	-0.130523	255.188	2.369	1102.146	0.118268
2204	0	-0.498869	-0.766440	-31.101	0.242649	449.420	0.537875
		-1.152	0.380029	126.841	1.937	685.352	-0.150628
2204	1.390	-0.498869	-0.766440	-31.101	0.242649	406.132	-0.527433
		-1.152	0.380029	126.841	1.937	862.253	0.377592
2205	0	-0.668787	-0.886984	-32.794	-0.406924	407.603	0.597921
		-1.006	0.556625	115.543	1.518	857.222	-0.284785
2205	1.390	-0.668787	-0.886984	-32.794	-0.406924	362.021	-0.634937
		-1.006	0.556625	115.543	1.518	1017.820	0.488392
2206	0	-1.770	-0.526973	-155.767	-0.816337	1229.500	0.377900
		0.025519	0.473338	116.649	-0.119051	693.575	-0.190721
2206	1.390	-1.770	-0.526973	-155.767	-0.816337	1012.992	-0.354563
		0.025519	0.473338	116.649	-0.119051	855.711	0.467191

2207	0	-1.428	-0.209385	-162.882	-2.240	1018.458	0.198656
		0.973151	0.415654	-2.190	-0.171615	276.298	-0.126853
2207	1.390	-1.428	-0.209385	-162.882	-2.240	792.061	-0.092378
		0.973151	0.415654	-2.190	-0.171615	273.254	0.450883
2208	0	-0.986260	-0.001194	-175.068	-2.707	799.594	0.123767
		0.531419	0.228797	-10.970	-0.729511	272.222	-0.052702
2208	1.390	-0.986260	-0.001194	-175.068	-2.707	556.259	0.122107
		0.531419	0.228797	-10.970	-0.729511	256.974	0.265313
2209	0	-0.327734	0.263320	-318.877	-2.972	893.859	0.078849
		0.524264	0.161678	-22.553	-2.092	257.525	-0.044349
2209	1.390	-0.327734	0.263320	-318.877	-2.972	450.639	0.444850
		0.524264	0.161678	-22.553	-2.092	226.177	0.180374
2210	0	-0.504753	-0.128243	-343.496	-5.158	461.717	0.045655
		-0.445444	-0.293941	-57.430	-1.774	79.470	-0.191783
2210	1.390	-0.504753	-0.128243	-343.496	-5.158	-15.723	-0.132597
		-0.445444	-0.293941	-57.430	-1.774	-0.354452	-0.600344
2301	0	1.241	-0.794060	49.690	-0.084976	0.606804	1.611
		-2.372	-0.013198	324.998	-0.041369	-8.719	0.005946
2301	1.390	1.241	-0.794060	49.690	-0.084976	69.673	0.507776
		-2.372	-0.013198	324.998	-0.041369	443.010	-0.012398
2302	0	0.793306	-0.016141	39.892	-0.008524	70.884	0.031324
		-2.747	0.052788	266.684	1.104	371.582	-0.030343
2302	1.390	0.793306	-0.016141	39.892	-0.008524	126.332	0.008889
		-2.747	0.052788	266.684	1.104	742.258	0.043030
2303	0	-0.887875	0.000745	-27.300	0.826377	462.689	-0.000940
		-2.094	0.046973	254.527	0.255223	733.203	-0.020145
2303	1.390	-0.887875	0.000745	-27.300	0.826377	424.743	9.52E-05
		-2.094	0.046973	254.527	0.255223	1086.980	0.045144
2304	0	-0.796375	-0.008369	-28.774	0.046425	425.212	0.010621
		-1.722	0.042157	127.481	0.615085	684.479	-0.006428
2304	1.390	-0.796375	-0.008369	-28.774	0.046425	385.218	-0.001011
		-1.722	0.042157	127.481	0.615085	861.670	0.052168
2305	0	-0.745702	-0.020133	-30.736	-0.143592	386.431	0.020648
		-1.700	0.018026	112.599	0.395504	856.950	0.013730
2305	1.390	-0.745702	-0.020133	-30.736	-0.143592	343.711	-0.007336
		-1.700	0.018026	112.599	0.395504	1013.457	0.038784
2306	0	-2.176	-0.021382	-152.632	0.223907	1221.632	0.038340
		-0.793886	-0.000752	111.384	-0.465109	673.934	0.016869
2306	1.390	-2.176	-0.021382	-152.632	0.223907	1009.482	0.008621
		-0.793886	-0.000752	111.384	-0.465109	828.752	0.015824
2307	0	-2.177	-0.045718	-162.801	-0.635130	1014.632	0.052035
		0.071842	0.009296	-2.531	0.020482	255.342	0.010550
2307	1.390	-2.177	-0.045718	-162.801	-0.635130	788.348	-0.011510
		0.071842	0.009296	-2.531	0.020482	251.824	0.023472
2308	0	-1.757	-0.067933	-176.808	-0.853913	795.261	0.058795
		-0.401052	-0.000360	-9.930	-0.106696	251.037	0.014247
2308	1.390	-1.757	-0.067933	-176.808	-0.853913	549.508	-0.035628
		-0.401052	-0.000360	-9.930	-0.106696	237.234	0.013747
2309	0	-1.809	-0.061455	-313.568	-0.455419	871.939	0.041688
		-0.325108	-0.003474	-18.058	-0.718248	236.910	0.008221
2309	1.390	-1.809	-0.061455	-313.568	-0.455419	436.097	-0.043731
		-0.325108	-0.003474	-18.058	-0.718248	211.811	0.003392
2310	0	-1.971	-0.052401	-331.914	-1.236	446.388	0.004808
		0.151085	0.514430	-49.448	0.086076	69.380	-0.063278
2310	1.390	-1.971	-0.052401	-331.914	-1.236	-14.954	-0.068027
		0.151085	0.514430	-49.448	0.086076	0.649722	0.651752
2401	0	-0.643705	-0.547334	57.051	-1.863	-0.264344	1.385
		-1.939	0.458245	238.830	13.634	-6.971	-0.706914
2401	1.390	-0.643705	-0.547334	57.051	-1.863	79.033	0.624259
		-1.939	0.458245	238.830	13.634	324.988	-0.069979
2402	0	-0.582875	-0.390369	44.206	-1.374	79.332	0.675872
		-1.802	0.265402	200.791	13.631	321.400	-0.283409
2402	1.390	-0.582875	-0.390369	44.206	-1.374	140.776	0.133281
		-1.802	0.265402	200.791	13.631	600.489	0.085484
2403	0	-1.024	0.278737	29.830	-2.308	283.519	-0.101627
		-1.695	0.074877	159.456	14.104	597.601	-0.067992
2403	1.390	-1.024	0.278737	29.830	-2.308	324.981	0.285801
		-1.695	0.074877	159.456	14.104	819.237	0.036082

2404	0	-0.560115	0.313519	11.394	-0.832072	324.764	-0.152100
		-1.865	-0.176510	92.035	6.690	656.734	0.146685
2404	1.390	-0.560115	0.313519	11.394	-0.832072	340.601	0.283674
		-1.865	-0.176510	92.035	6.690	784.657	-0.098654
2405	0	-0.622241	0.421292	-5.785	-1.222	340.085	-0.256707
		-1.779	-0.388549	54.842	4.976	783.929	0.306589
2405	1.390	-0.622241	0.421292	-5.785	-1.222	332.044	0.328865
		-1.779	-0.388549	54.842	4.976	860.157	-0.233472
2406	0	-2.174	0.311583	-62.614	-7.977	948.151	-0.140181
		-0.748949	-0.342380	23.895	4.985	540.111	0.228169
2406	1.390	-2.174	0.311583	-62.614	-7.977	861.121	0.292901
		-0.748949	-0.342380	23.895	4.985	573.323	-0.247720
2407	0	-1.783	-0.047830	-102.840	-8.337	862.017	0.054400
		-0.353200	-0.002182	-16.060	0.536886	255.974	0.047133
2407	1.390	-1.783	-0.047830	-102.840	-8.337	719.075	-0.012081
		-0.353200	-0.002182	-16.060	0.536886	233.652	0.044100
2408	0	-1.253	-0.290225	-140.803	-10.005	722.049	0.140710
		-0.883367	0.163589	-30.909	0.810040	233.006	0.020512
2408	1.390	-1.253	-0.290225	-140.803	-10.005	526.341	-0.262687
		-0.883367	0.163589	-30.909	0.810040	190.044	0.247891
2409	0	-1.026	-0.487530	-207.087	-15.839	621.522	0.190825
		-1.898	0.807356	-44.205	1.359	140.836	-0.148239
2409	1.390	-1.026	-0.487530	-207.087	-15.839	333.682	-0.486815
		-1.898	0.807356	-44.205	1.359	79.393	0.973940
2410	0	-1.006	-0.829084	-246.474	-13.967	336.569	-0.054305
		-2.273	0.566261	-56.533	1.509	78.852	0.147218
2410	1.390	-1.006	-0.829084	-246.474	-13.967	-6.017	-1.207
		-2.273	0.566261	-56.533	1.509	0.274071	0.934283
2501	0	-1.612	-0.085549	56.426	3.886	3.181	0.182969
		-0.836447	0.478496	148.175	9.634	4.683	-0.801182
2501	1.390	-1.612	-0.085549	45.306	3.886	73.882	0.064061
		-0.836447	0.478496	131.496	9.634	199.046	-0.136099
2502	0	-1.732	-0.014246	43.157	2.976	77.363	-0.060087
		-1.001	0.079687	118.058	7.477	204.809	-0.364882
2502	1.390	-1.732	-0.014246	32.038	2.976	129.622	-0.079889
		-1.001	0.079687	101.378	7.477	357.311	-0.254122
2503	0	-1.624	0.003524	31.563	2.345	132.595	-0.148538
		-0.999046	-0.023984	87.054	3.091	332.280	-0.389485
2503	1.390	-1.624	0.003524	20.443	2.345	168.738	-0.143640
		-0.999046	-0.023984	70.375	3.091	441.689	-0.422821
2504	0	-1.540	0.019565	20.778	1.495	170.912	-0.197945
		-1.153	-0.087661	57.094	1.456	442.634	-0.454873
2504	1.390	-1.540	0.019565	9.658	1.495	192.064	-0.170751
		-1.153	-0.087661	40.414	1.456	510.399	-0.576717
2505	0	-0.848853	0.081709	9.088	1.565	274.841	-0.369389
		-1.500	-0.080527	26.558	1.338	537.056	-0.557814
2505	1.390	-0.848853	0.081709	-2.032	1.565	279.745	-0.255818
		-1.500	-0.080527	9.879	1.338	562.379	-0.669742
2506	0	-1.645	0.139516	-12.558	-1.556	558.979	-0.697450
		-0.713936	-0.125435	2.319	-1.126	283.445	-0.239717
2506	1.390	-1.645	0.139516	-29.237	-1.556	529.933	-0.503530
		-0.713936	-0.125435	-8.800	-1.126	278.941	-0.414065
2507	0	-1.762	0.150424	-41.434	-3.612	528.705	-0.635936
		-0.969757	-0.200297	-9.381	-1.520	192.157	-0.081781
2507	1.390	-1.762	0.150424	-58.113	-3.612	459.523	-0.426855
		-0.969757	-0.200297	-20.501	-1.520	171.389	-0.360183
2508	0	-2.007	0.158318	-69.582	-6.896	474.691	-0.532790
		-0.739505	-0.176850	-20.118	-2.391	169.133	-0.104612
2508	1.390	-2.007	0.158318	-86.261	-6.896	366.385	-0.312737
		-0.739505	-0.176850	-31.238	-2.391	133.442	-0.350424
2509	0	-2.011	0.065918	-101.250	-8.927	359.977	-0.299117
		-0.567659	-0.009844	-32.036	-3.208	130.326	-0.182656
2509	1.390	-2.011	0.065918	-117.930	-8.927	207.653	-0.207495
		-0.567659	-0.009844	-43.155	-3.208	78.070	-0.196338
2510	0	-1.890	-0.271947	-131.406	-11.321	200.432	-0.036325
		-0.537369	0.479152	-45.512	-4.274	74.408	-0.195672
2510	1.390	-1.890	-0.271947	-148.086	-11.321	6.193	-0.414316
		-0.537369	0.479152	-56.632	-4.274	3.421	0.470322

3101	0	2.552	0.057294	78.276	-2.229	1.004	-0.096613
		0.370984	-1.736	296.691	-5.236	-3.630	1.969
3101	1.640	2.552	0.057294	65.157	-2.229	118.614	-0.002654
		0.370984	-1.736	277.012	-5.236	466.786	-0.878767
3102	0	1.711	-0.136520	61.789	-1.536	120.367	0.054173
		0.005084	-0.559214	257.479	-4.256	466.673	-0.318339
3102	1.640	1.711	-0.136520	48.670	-1.536	210.939	-0.169711
		0.005084	-0.559214	237.799	-4.256	872.784	-1.235
3103	0	-0.120193	-0.195766	41.737	4.809	449.384	-0.383422
		0.438380	-0.319815	213.565	-7.896	872.806	-0.906323
3103	1.640	-0.120193	-0.195766	28.617	4.809	507.072	-0.704466
		0.438380	-0.319815	193.886	-7.896	1206.902	-1.431
3104	0	-0.339974	-0.155473	20.688	1.718	507.048	-0.449244
		0.110823	-0.076036	125.591	-2.021	947.198	-1.089
3104	1.640	-0.339974	-0.155473	7.569	1.718	530.217	-0.704209
		0.110823	-0.076036	105.912	-2.021	1137.022	-1.214
3105	0	-0.528979	-0.137482	-0.737164	1.493	529.921	-0.471235
		0.185509	-0.001727	80.272	-3.845	1137.637	-1.317
3105	1.640	-0.528979	-0.137482	-13.857	1.493	517.954	-0.696697
		0.185509	-0.001727	60.593	-3.845	1253.141	-1.320
3106	0	0.152217	0.040819	-74.018	8.186	1403.221	-1.506
		-0.860137	0.060843	39.916	-8.222	867.865	-1.055
3106	1.640	0.152217	0.040819	-93.697	8.186	1265.700	-1.439
		-0.860137	0.060843	26.736	-8.222	922.567	-0.955484
3107	0	0.125733	0.130346	-121.495	3.299	1264.991	-1.388
		0.503453	0.195898	-13.619	0.011861	388.442	-0.551087
3107	1.640	0.125733	0.130346	-141.174	3.299	1049.612	-1.175
		0.503453	0.195898	-26.738	0.011861	355.351	-0.229828
3108	0	0.149252	0.226793	-166.288	1.655	1049.634	-1.206
		0.752992	0.221796	-31.772	0.005599	354.739	-0.514715
3108	1.640	0.149252	0.226793	-185.967	1.655	760.796	-0.834099
		0.752992	0.221796	-44.891	0.005599	291.878	-0.150983
3109	0	0.255081	0.589286	-247.384	9.565	905.911	-1.288
		2.724	0.200140	-48.659	1.524	210.935	-0.174513
3109	1.640	0.255081	0.589286	-267.063	9.565	484.081	-0.321180
		2.724	0.200140	-61.779	1.524	120.380	0.153703
3110	0	0.671386	1.815	-286.047	7.748	483.133	-0.944629
		-0.623254	0.022141	-64.877	2.757	119.803	-0.101377
3110	1.640	0.671386	1.815	-305.726	7.748	-2.102	2.032
		-0.623254	0.022141	-77.996	2.757	2.651	-0.065067
3201	0	-0.211302	0.125198	67.702	2.076	-0.451134	-0.297857
		-1.501	0.263137	353.761	3.123	-13.625	-0.269038
3201	1.640	-0.211302	0.125198	67.702	2.076	110.576	-0.092540
		-1.501	0.263137	353.761	3.123	566.521	0.162489
3202	0	-0.497151	0.072914	52.330	1.540	111.022	-0.105723
		-2.159	-0.323555	273.345	5.375	464.360	0.631922
3202	1.640	-0.497151	0.072914	52.330	1.540	196.840	0.013852
		-2.159	-0.323555	273.345	5.375	912.628	0.101313
3203	0	-0.369227	-0.423073	-25.005	2.215	580.757	0.489771
		-1.929	-0.206544	258.013	3.713	902.622	0.395620
3203	1.640	-0.369227	-0.423073	-25.005	2.215	539.751	-0.204041
		-1.929	-0.206544	258.013	3.713	1325.747	0.056901
3204	0	0.135193	-0.741988	-26.096	0.609386	541.599	0.773341
		-2.416	0.543556	125.559	2.507	870.570	-0.371167
3204	1.640	0.135193	-0.741988	-26.096	0.609386	498.803	-0.443469
		-2.416	0.543556	125.559	2.507	1076.478	0.520229
3205	0	-0.073680	-0.733356	-28.019	-0.255049	500.946	0.723264
		-2.223	0.570542	109.870	1.702	1070.652	-0.358378
3205	1.640	-0.073680	-0.733356	-28.019	-0.255049	454.997	-0.473392
		-2.223	0.570542	109.870	1.702	1250.832	0.577273
3206	0	-2.334	-0.480995	-152.268	-1.341	1489.351	0.512770
		-0.604511	0.572333	111.112	-0.200882	810.249	-0.329579
3206	1.640	-2.334	-0.480995	-152.268	-1.341	1239.642	-0.276030
		-0.604511	0.572333	111.112	-0.200882	992.466	0.609010
3207	0	-2.499	-0.452247	-161.079	-3.048	1245.948	0.456623
		-0.469859	0.570282	-5.599	-2.126	990.380	-0.297926
3207	1.640	-2.499	-0.452247	-161.079	-3.048	981.789	-0.285031

		-0.469859	0.570282	-5.599	-2.126	981.198	0.637298
3208	0	-2.048	0.012607	-177.671	-3.872	989.922	0.176096
		0.427679	0.471614	-15.964	-1.086	349.726	-0.222078
3208	1.640	-2.048	0.012607	-177.671	-3.872	698.554	0.196772
		0.427679	0.471614	-15.964	-1.086	323.547	0.551338
3209	0	-1.940	0.393253	-323.124	-4.428	1071.172	0.060243
		0.468920	0.461292	-27.532	-2.332	323.756	-0.142270
3209	1.640	-1.940	0.393253	-323.124	-4.428	541.270	0.705152
		0.468920	0.461292	-27.532	-2.332	278.607	0.614219
3210	0	-2.419	-0.131430	-349.409	-6.551	553.952	0.436470
		-0.231849	-0.590528	-67.692	-2.093	110.637	0.007036
3210	1.640	-2.419	-0.131430	-349.409	-6.551	-19.055	0.220933
		-0.231849	-0.590528	-67.692	-2.093	-0.372120	-0.961390
3301	0	-0.020962	-0.776527	60.126	-0.057366	0.740821	1.419
		-3.261	0.032890	339.836	0.227826	-12.244	-0.042014
3301	1.640	-0.020962	-0.776527	60.126	-0.057366	99.343	0.145340
		-3.261	0.032890	339.836	0.227826	545.065	0.011923
3302	0	-0.154509	0.001681	48.530	-0.008246	101.070	0.017451
		-3.711	0.085456	270.077	1.186	446.385	-0.060626
3302	1.640	-0.154509	0.001681	48.530	-0.008246	180.657	0.020207
		-3.711	0.085456	270.077	1.186	889.293	0.079516
3303	0	-1.189	0.013732	-23.655	0.648139	549.942	-0.000344
		-3.503	0.068120	257.074	0.454705	878.036	-0.035070
3303	1.640	-1.189	0.013732	-23.655	0.648139	511.150	0.022174
		-3.503	0.068120	257.074	0.454705	1299.620	0.076642
3304	0	-1.100	0.000655	-23.696	-0.035092	511.877	0.013755
		-3.197	0.054794	127.031	0.658323	858.862	-0.019032
3304	1.640	-1.100	0.000655	-23.696	-0.035092	473.017	0.014830
		-3.197	0.054794	127.031	0.658323	1067.183	0.070827
3305	0	-1.055	-0.013308	-26.339	-0.191208	475.183	0.025730
		-3.170	0.024580	107.917	0.501608	1060.730	0.008344
3305	1.640	-1.055	-0.013308	-26.339	-0.191208	431.989	0.003906
		-3.170	0.024580	107.917	0.501608	1237.706	0.048653
3306	0	-3.327	-0.019395	-149.208	0.000117	1468.522	0.045249
		-1.684	0.001283	106.595	-0.226515	776.314	0.017562
3306	1.640	-3.327	-0.019395	-149.208	0.000117	1223.831	0.013443
		-1.684	0.001283	106.595	-0.226515	951.123	0.019667
3307	0	-3.362	-0.050083	-161.149	-0.721416	1230.908	0.068055
		-0.593505	0.008671	-7.052	0.042299	339.618	0.010098
3307	1.640	-3.362	-0.050083	-161.149	-0.721416	966.634	-0.014077
		-0.593505	0.008671	-7.052	0.042299	328.054	0.024318
3308	0	-3.464	-0.079446	-179.377	-0.877394	975.069	0.085600
		-0.634412	-0.003474	-15.659	-0.064929	327.113	0.018005
3308	1.640	-3.464	-0.079446	-179.377	-0.877394	680.902	-0.044686
		-0.634412	-0.003474	-15.659	-0.064929	301.434	0.012308
3309	0	-3.581	-0.076817	-317.984	-0.683225	1041.879	0.071724
		-0.711264	-0.008976	-24.011	-0.605374	301.023	0.019210
3309	1.640	-3.581	-0.076817	-317.984	-0.683225	520.406	-0.054251
		-0.711264	-0.008976	-24.011	-0.605374	261.647	0.004489
3310	0	-3.907	-0.060413	-337.301	-1.363	533.626	0.051917
		-0.078119	0.812880	-60.131	0.052375	99.338	0.048480
3310	1.640	-3.907	-0.060413	-337.301	-1.363	-19.526	-0.047156
		-0.078119	0.812880	-60.131	0.052375	0.727127	1.382
3401	0	-2.184	-0.727450	67.450	-2.158	-0.407490	1.503
		-3.338	0.634442	262.514	15.183	-10.771	-0.966045
3401	1.640	-2.184	-0.727450	67.450	-2.158	110.206	0.310408
		-3.338	0.634442	262.514	15.183	419.735	0.074397
3402	0	-2.008	-0.550590	52.192	-1.602	110.712	0.805374
		-3.132	0.484908	218.457	15.001	414.017	-0.511785
3402	1.640	-2.008	-0.550590	52.192	-1.602	196.303	-0.097556
		-3.132	0.484908	218.457	15.001	772.271	0.283432
3403	0	-1.547	0.116116	34.359	-1.742	368.455	-0.002662
		-3.036	0.259374	171.349	14.613	767.774	-0.226356
3403	1.640	-1.547	0.116116	34.359	-1.742	424.802	0.187760
		-3.036	0.259374	171.349	14.613	1048.774	0.199000
3404	0	-0.948866	0.406507	12.455	-0.959596	424.501	-0.326404
		-3.403	-0.259019	100.366	7.562	845.212	0.291171

3404	1.640	-0.948866	0.406507	12.455	-0.959596	444.927	0.340240
		-3.403	-0.259019	100.366	7.562	1009.807	-0.133603
3405	0	-1.044	0.370609	-6.926	-1.567	444.175	-0.286782
		-3.291	-0.336223	60.128	5.636	1008.553	0.333521
3405	1.640	-1.044	0.370609	-6.926	-1.567	432.817	0.320992
		-3.291	-0.336223	60.128	5.636	1107.159	-0.217862
3406	0	-3.447	0.335721	-67.220	-7.962	1210.932	-0.216539
		-1.667	-0.384968	26.329	4.888	672.018	0.335242
3406	1.640	-3.447	0.335721	-67.220	-7.962	1100.746	0.334022
		-1.667	-0.384968	26.329	4.888	715.197	-0.296080
3407	0	-3.561	0.254049	-111.302	-9.090	1101.964	-0.128124
		-0.498777	-0.370278	-18.529	0.730594	346.011	0.304654
3407	1.640	-3.561	0.254049	-111.302	-9.090	919.436	0.288499
		-0.498777	-0.370278	-18.529	0.730594	315.626	-0.302577
3408	0	-3.020	-0.248331	-152.334	-10.992	923.486	0.187117
		-1.080	-0.042064	-36.025	0.853034	315.025	0.118272
3408	1.640	-3.020	-0.248331	-152.334	-10.992	673.669	-0.220130
		-1.080	-0.042064	-36.025	0.853034	255.946	0.049290
3409	0	-2.984	-0.497321	-225.666	-16.657	802.155	0.295057
		-1.851	0.532463	-52.189	1.593	196.279	-0.130681
3409	1.640	-2.984	-0.497321	-225.666	-16.657	432.078	-0.520516
		-1.851	0.532463	-52.189	1.593	110.693	0.742523
3410	0	-3.179	-0.711451	-272.031	-15.540	436.713	0.074213
		-2.047	0.715029	-67.442	2.146	110.184	0.230950
3410	1.640	-3.179	-0.711451	-272.031	-15.540	-9.401	-1.093
		-2.047	0.715029	-67.442	2.146	-0.417061	1.404
3501	0	-3.336	-0.151528	66.357	6.986	6.891	0.175608
		-1.485	0.662124	182.167	9.677	4.756	-1.094
3501	1.640	-3.336	-0.151528	53.238	6.986	104.955	-0.072889
		-1.485	0.662124	162.487	9.677	287.361	-0.007985
3502	0	-3.460	0.049019	50.950	5.786	112.211	-0.182481
		-1.803	0.036612	146.316	7.660	294.081	-0.454518
3502	1.640	-3.460	0.049019	37.831	5.786	185.009	-0.102093
		-1.803	0.036612	126.637	7.660	517.893	-0.394477
3503	0	-4.203	-0.017903	37.514	4.588	191.183	-0.167638
		-1.344	-0.012771	107.951	6.323	524.127	-0.671713
3503	1.640	-4.203	-0.017903	24.395	4.588	241.946	-0.196999
		-1.344	-0.012771	88.272	6.323	685.024	-0.692657
3504	0	-3.826	0.072877	24.544	2.481	255.376	-0.308614
		-1.572	-0.013992	69.952	4.248	691.054	-0.840998
3504	1.640	-3.826	0.072877	11.425	2.481	284.870	-0.189100
		-1.572	-0.013992	50.272	4.248	789.634	-0.963944
3505	0	-3.937	0.078551	11.653	0.720174	287.354	-0.333153
		-1.640	-0.014104	32.478	1.182	791.668	-0.925133
3505	1.640	-3.937	0.078551	-1.466	0.720174	295.708	-0.204335
		-1.640	-0.014104	12.799	1.182	828.793	-0.948262
3506	0	-1.518	0.015414	-15.394	-1.005	816.595	-0.932752
		-4.118	-0.043494	1.142	-0.944380	289.976	-0.223547
3506	1.640	-1.518	0.015414	-35.073	-1.005	775.214	-0.907475
		-4.118	-0.043494	-11.978	-0.944380	281.091	-0.294874
3507	0	-1.450	0.014582	-52.241	-3.457	774.536	-0.845231
		-4.054	-0.040717	-10.978	-2.859	278.361	-0.204138
3507	1.640	-1.450	0.014582	-71.920	-3.457	672.727	-0.821318
		-4.054	-0.040717	-24.097	-2.859	249.600	-0.270912
3508	0	-1.452	0.006063	-89.009	-7.540	696.633	-0.699445
		-3.951	-0.050277	-24.099	-4.544	245.079	-0.153254
3508	1.640	-1.452	0.006063	-108.689	-7.540	534.527	-0.689503
		-3.951	-0.050277	-37.218	-4.544	194.801	-0.235706
3509	0	-1.896	-0.049573	-127.919	-9.390	526.655	-0.393764
		-3.116	-0.112143	-38.555	-5.939	188.564	-0.064566
3509	1.640	-1.896	-0.049573	-147.598	-9.390	300.741	-0.475060
		-3.116	-0.112143	-51.675	-5.939	114.578	-0.248473
3510	0	-1.554	-0.685947	-164.090	-11.657	292.041	-0.001886
		-2.912	0.075093	-54.630	-7.243	107.272	-0.043116
3510	1.640	-1.554	-0.685947	-183.769	-11.657	6.808	-1.127
		-2.912	0.075093	-67.749	-7.243	6.925	0.080032
4101	0	0.579551	0.243271	65.119	-3.906	3.914	-0.342272
		-0.598071	-1.383	262.870	-8.760	0.138226	1.262

4101	1.390	0.579551	0.243271	53.999	-3.906	86.698	-0.004139
		-0.598071	-1.383	246.191	-9.760	353.922	-0.659936
4102	0	2.889	0.050249	52.881	-1.090	86.722	-0.033888
		-0.804455	-0.445528	229.700	-7.693	356.256	-0.350626
4102	1.390	2.889	0.050249	41.761	-1.090	152.496	0.035956
		-0.804455	-0.445528	213.020	-7.693	663.934	-0.969886
4103	0	1.979	-0.278793	33.435	5.688	346.076	-0.184022
		-0.820171	-0.107232	193.552	-11.499	665.952	-0.904982
4103	1.390	1.979	-0.278793	22.316	5.688	384.821	-0.571528
		-0.820171	-0.107232	176.872	-11.499	923.386	-1.054
4104	0	1.682	-0.249995	16.824	1.755	385.032	-0.225863
		-1.632	0.130107	111.541	-3.390	717.058	-1.031
4104	1.390	1.682	-0.249995	5.704	1.755	400.689	-0.573342
		-1.632	0.130107	94.862	-3.390	860.502	-0.850540
4105	0	1.389	-0.237766	-1.310	1.253	400.345	-0.238602
		-1.349	0.177391	72.435	-4.442	861.927	-1.174
4105	1.390	1.389	-0.237766	-12.429	1.253	390.797	-0.569083
		-1.349	0.177391	55.755	-4.442	951.016	-0.927230
4106	0	-0.321683	-0.010900	-70.264	9.668	1074.445	-1.141
		-0.453240	0.179120	38.627	-8.943	674.292	-0.908013
4106	1.390	-0.321683	-0.010900	-86.944	9.668	965.190	-1.156
		-0.453240	0.179120	27.507	-8.943	720.253	-0.659046
4107	0	-0.411958	0.056156	-110.189	9.030	963.710	-1.051
		0.646543	0.323005	-11.606	-0.153511	286.819	-0.506895
4107	1.390	-0.411958	0.056156	-126.869	9.030	798.961	-0.972537
		0.646543	0.323005	-22.726	-0.153511	262.960	-0.057936
4108	0	-0.318960	0.173659	-148.874	4.071	797.571	-0.935747
		0.856475	0.304127	-26.825	-0.523091	262.616	-0.446706
4108	1.390	-0.318960	0.173659	-165.553	4.071	579.053	-0.694371
		0.856475	0.304127	-37.945	-0.523091	217.603	-0.023987
4109	0	-0.232576	0.631083	-223.372	13.386	691.735	-1.020
		0.983946	0.316333	-40.328	-3.784	216.848	-0.371131
4109	1.390	-0.232576	0.631083	-240.051	13.386	369.669	-0.142409
		0.983946	0.316333	-51.447	-3.784	153.067	0.068554

4110	0	-0.043267	1.569	-254.974	10.974	366.895	-0.440818
		-0.094606	0.004640	-54.656	1.573	85.121	-0.112567
4110	1.390	-0.043267	1.569	-271.653	10.974	0.903728	1.739
		-0.094606	0.004640	-65.776	1.573	1.424	-0.106118
4201	0	-0.852977	0.278262	57.430	1.775	-0.316340	-0.563727
		0.472901	0.258131	338.862	2.498	-10.381	-0.523129
4201	1.390	-0.852977	0.278262	57.430	1.775	79.509	-0.176958
		0.472901	0.258131	338.862	2.498	460.619	-0.164342
4202	0	-0.442094	0.330254	44.409	1.285	79.766	-0.403817
		-0.660527	-0.193228	269.765	3.899	382.055	0.362256
4202	1.390	-0.442094	0.330254	44.409	1.285	141.492	0.055217
		-0.660527	-0.193228	269.765	3.899	757.014	0.093680
4203	0	-0.073230	-0.179045	-27.987	1.799	487.767	0.223442
		-0.560576	-0.206006	255.178	2.282	747.939	0.351323
4203	1.390	-0.073230	-0.179045	-27.987	1.799	448.866	-0.025421
		-0.560576	-0.206006	255.178	2.282	1102.622	0.064985
4204	0	0.412937	-0.349444	-31.145	0.205803	449.825	0.374753
		-1.526	0.308950	126.757	1.865	686.091	-0.192176
4204	1.390	0.412937	-0.349444	-31.145	0.205803	406.534	-0.110955
		-1.526	0.308950	126.757	1.865	862.276	0.237247
4205	0	0.721071	-0.652778	-32.866	-0.454666	407.991	0.615909
		-1.847	0.624396	115.430	1.452	857.124	-0.448543
4205	1.390	0.721071	-0.652778	-32.866	-0.454666	362.308	-0.291416
		-1.847	0.624396	115.430	1.452	1017.565	0.419333
4206	0	-1.253	-0.458506	-155.872	-0.881619	1229.750	0.412695
		-0.809349	0.710395	116.579	-0.166741	693.286	-0.469133
4206	1.390	-1.253	-0.458506	-155.872	-0.881619	1013.096	-0.224602
		-0.809349	0.710395	116.579	-0.166741	855.324	0.518277
4207	0	-1.376	-0.279446	-162.971	-2.312	1018.440	0.304352
		0.327850	0.832286	-2.237	-0.208491	275.957	-0.524738
4207	1.390	-1.376	-0.279446	-162.971	-2.312	791.920	-0.084063
		0.327850	0.832286	-2.237	-0.208491	272.848	0.632093
4208	0	-1.036	-0.077223	-175.080	-2.793	799.119	0.245345

		-0.009244	0.733773	-10.975	-0.740743	272.063	-0.404301
4208	1.390	-1.036	-0.077223	-175.080	-2.793	555.768	0.138009
		-0.009244	0.733773	-10.975	-0.740743	256.808	0.615602
4209	0	-1.460	0.193806	-318.730	-3.042	893.294	0.209897
		0.084927	0.659151	-22.503	-2.096	257.329	-0.201489
4209	1.390	-1.460	0.193806	-318.730	-3.042	450.278	0.479276
		0.084927	0.659151	-22.503	-2.096	226.051	0.714694
4210	0	-1.754	-0.413327	-343.118	-5.181	461.268	0.539690
		0.570979	-0.503622	-57.271	-1.774	79.422	-0.122364
4210	1.390	-1.754	-0.413327	-343.118	-5.181	-15.647	-0.034811
		0.570979	-0.503622	-57.271	-1.774	-0.180529	-0.822371
4301	0	0.182230	-0.472891	49.437	-0.093310	0.663603	0.679591
		-1.449	0.026259	324.789	-0.041411	-8.712	-0.059375
4301	1.390	0.182230	-0.472891	49.437	-0.093310	69.379	0.022300
		-1.449	0.026259	324.789	-0.041411	442.727	-0.022876
4302	0	0.133418	-0.002808	39.863	-0.008336	70.630	0.016095
		-1.935	0.070175	266.633	1.104	371.287	-0.050386
4302	1.390	0.133418	-0.002808	39.863	-0.008336	126.037	0.012192
		-1.935	0.070175	266.633	1.104	741.892	0.047154
4303	0	-0.831346	0.009486	-27.253	0.826406	462.436	0.002408
		-1.714	0.056278	254.599	0.255253	732.771	-0.025426
4303	1.390	-0.831346	0.009486	-27.253	0.826406	424.555	0.015592
		-1.714	0.056278	254.599	0.255253	1086.649	0.052798
4304	0	-0.310629	-0.000755	-28.698	0.046455	424.958	0.014848
		-2.084	0.050817	127.620	0.615117	684.172	-0.016874
4304	1.390	-0.310629	-0.000755	-28.698	0.046455	385.069	0.013799
		-2.084	0.050817	127.620	0.615117	861.556	0.053759
4305	0	-0.273327	-0.012135	-30.638	-0.143561	386.258	0.024255
		-2.090	0.026621	112.752	0.395535	856.806	0.003359
4305	1.390	-0.273327	-0.012135	-30.638	-0.143561	343.672	0.007388
		-2.090	0.026621	112.752	0.395535	1013.525	0.040361
4306	0	-1.862	-0.012211	-152.483	0.223940	1221.567	0.034257
		-1.202	0.007627	111.485	-0.465076	673.970	0.006715
4306	1.390	-1.862	-0.012211	-152.483	0.223940	1009.624	0.017284
		-1.202	0.007627	111.485	-0.465076	828.928	0.017316
4307	0	-1.892	-0.037293	-162.659	-0.635097	1014.744	0.048487
		-0.266631	0.016612	-2.455	0.020512	255.491	-0.001550
4307	1.390	-1.892	-0.037293	-162.659	-0.635097	788.658	-0.003349
		-0.266631	0.016612	-2.455	0.020512	252.079	0.021540
4308	0	-1.962	-0.058778	-176.736	-0.853381	795.593	0.055571
		-0.310637	0.007956	-9.886	-0.106667	251.226	0.001915
4308	1.390	-1.962	-0.058778	-176.736	-0.853381	549.940	-0.026127
		-0.310637	0.007956	-9.886	-0.106667	237.486	0.012974
4309	0	-2.694	-0.044043	-313.622	-0.455398	872.307	0.034914
		0.135334	0.012425	-18.089	-0.718230	237.205	-0.000678
4309	1.390	-2.694	-0.044043	-313.622	-0.455398	436.391	-0.026303
		0.135334	0.012425	-18.089	-0.718230	212.063	0.016592
4310	0	-2.853	-0.012352	-332.123	-1.236	446.673	0.029243
		1.268	0.699832	-49.698	0.077865	69.653	0.349366
4310	1.390	-2.853	-0.012352	-332.123	-1.236	-14.960	0.012074
		1.268	0.699832	-49.698	0.077865	0.575753	1.322
4401	0	-2.088	-1.006	57.117	-1.381	-0.252002	1.694
		-1.149	0.742418	239.210	13.656	-7.046	-1.069
4401	1.390	-2.088	-1.006	57.117	-1.381	79.137	0.295528
		-1.149	0.742418	239.210	13.656	325.442	-0.036904
4402	0	-1.967	-0.821633	44.209	-1.372	79.412	1.023
		-1.163	0.461890	200.938	13.701	321.763	-0.465298
4402	1.390	-1.967	-0.821633	44.209	-1.372	140.869	-0.118585
		-1.163	0.461890	200.938	13.701	601.055	0.176703
4403	0	-1.216	-0.078263	29.825	-2.296	283.687	0.201564
		-1.195	0.305556	159.450	14.191	598.089	-0.265677
4403	1.390	-1.216	-0.078263	29.825	-2.296	325.142	0.092782
		-1.195	0.305556	159.450	14.191	819.715	0.159029
4404	0	-0.668750	0.044520	11.347	-0.794583	325.173	0.027780
		-1.694	0.043008	91.949	6.762	656.873	-0.011195
4404	1.390	-0.668750	0.044520	11.347	-0.794583	340.944	0.089661
		-1.694	0.043008	91.949	6.762	784.677	0.048583

4405	0	-0.271516	0.330952	-5.856	-1.174	340.474	-0.236355
		-2.088	-0.312562	54.735	5.042	783.826	0.292212
4405	1.390	-0.271516	0.330952	-5.856	-1.174	332.334	0.223649
		-2.088	-0.312562	54.735	5.042	859.904	-0.142231
4406	0	-1.925	0.386737	-62.719	-7.911	948.402	-0.232864
		-1.065	-0.436286	23.824	5.033	539.821	0.339731
4406	1.390	-1.925	0.386737	-62.719	-7.911	861.226	0.304679
		-1.065	-0.436286	23.824	5.033	572.935	-0.266682
4407	0	-2.014	0.171282	-102.929	-8.265	861.999	-0.094650
		-0.110352	-0.272527	-16.108	0.574371	255.632	0.242879
4407	1.390	-2.014	0.171282	-102.929	-8.265	718.934	0.143422
		-0.110352	-0.272527	-16.108	0.574371	233.242	-0.135918
4408	0	-1.608	-0.059081	-140.814	-9.918	721.573	0.021390
		-0.557564	-0.192350	-30.914	0.821844	232.846	0.213863
4408	1.390	-1.608	-0.059081	-140.814	-9.918	525.850	-0.060730
		-0.557564	-0.192350	-30.914	0.821844	189.877	-0.053493
4409	0	-1.726	-0.292547	-206.940	-15.769	620.955	0.097484
		-0.447674	0.336426	-44.207	1.361	140.749	0.100785
4409	1.390	-1.726	-0.292547	-206.940	-15.769	333.320	-0.309140
		-0.447674	0.336426	-44.207	1.361	79.303	0.568398
4410	0	-1.857	-0.548914	-246.096	-13.944	336.119	-0.094934
		-1.147	0.269307	-56.398	1.491	78.689	0.404309
4410	1.390	-1.857	-0.548914	-246.096	-13.944	-5.941	-0.857893
		-1.147	0.269307	-56.398	1.491	0.299154	0.778631
4501	0	-1.263	-0.566195	56.242	4.064	3.301	0.579453
		-1.862	0.259027	148.037	9.756	4.725	-0.398087
4501	1.390	-1.263	-0.566195	45.122	4.064	73.746	-0.207526
		-1.862	0.259027	131.358	9.756	198.896	-0.038053
4502	0	-1.221	-0.062753	43.058	3.098	77.305	-0.121252
		-1.970	-0.077375	117.990	7.560	204.712	-0.194605
4502	1.390	-1.221	-0.062753	31.939	3.098	129.425	-0.208475
		-1.970	-0.077375	101.310	7.560	357.120	-0.302152
4503	0	-1.307	0.101920	31.527	2.445	132.469	-0.278008
		-1.501	-0.134025	87.037	3.159	332.136	-0.295107
4503	1.390	-1.307	0.101920	20.408	2.445	168.562	-0.136344
		-1.501	-0.134025	70.358	3.159	441.521	-0.481394
4504	0	-1.447	0.121780	20.778	1.584	170.801	-0.288671
		-1.429	-0.150150	57.105	1.517	442.511	-0.404131
4504	1.390	-1.447	0.121780	9.659	1.584	191.954	-0.119403
		-1.429	-0.150150	40.425	1.517	510.291	-0.612831
4505	0	-0.651161	0.124203	9.103	1.649	274.796	-0.408800
		-1.747	-0.139369	26.582	1.397	536.993	-0.510617
4505	1.390	-0.651161	0.124203	-2.017	1.649	279.720	-0.236165
		-1.747	-0.139369	9.902	1.397	562.348	-0.704332
4506	0	-1.436	0.081139	-12.530	-1.497	559.007	-0.663767
		-0.948435	-0.083345	2.338	-1.043	283.468	-0.259727
4506	1.390	-1.436	0.081139	-29.210	-1.497	529.999	-0.550989
		-0.948435	-0.083345	-8.782	-1.043	278.989	-0.375572
4507	0	-1.478	0.086095	-41.421	-3.551	528.812	-0.597628
		-1.737	-0.098152	-9.379	-1.430	192.266	-0.111327
4507	1.390	-1.478	0.086095	-58.100	-3.551	459.648	-0.477961
		-1.737	-0.098152	-20.499	-1.430	171.501	-0.247754
4508	0	-1.365	0.047483	-69.601	-6.828	474.860	-0.470796
		-1.730	-0.077902	-20.155	-2.290	169.310	-0.090811
4508	1.390	-1.365	0.047483	-86.280	-6.828	366.527	-0.404797
		-1.730	-0.077902	-31.275	-2.290	133.568	-0.199091
4509	0	-1.077	-0.091818	-101.319	-8.844	360.168	-0.251303
		-1.754	-0.055533	-32.135	-3.086	130.522	-0.033999
4509	1.390	-1.077	-0.091818	-117.998	-8.844	207.749	-0.378925
		-1.754	-0.055533	-43.254	-3.086	78.129	-0.111186
4510	0	-0.898618	-0.492053	-131.543	-11.199	200.579	-0.134566
		-1.562	0.007321	-45.696	-4.097	74.543	0.097791
4510	1.390	-0.898618	-0.492053	-148.222	-11.199	6.150	-0.818492
		-1.562	0.007321	-56.815	-4.097	3.301	0.107967
5101	0	0.587807	0.192209	58.276	-2.984	3.005	-0.251687
		0.607333	-1.493	244.497	-10.476	1.587	1.366
5101	1.270	0.587807	0.192209	48.116	-2.984	70.561	-0.007592
		0.607333	-1.493	229.258	-10.476	302.409	-0.530288

5102	0	1.111	0.146269	48.790	-0.919902	72.902	-0.170774
		0.350992	-0.591501	214.617	-9.581	305.556	-0.182749
5102	1.270	1.111	0.146269	38.631	-0.919902	128.412	0.014980
		0.350992	-0.591501	199.377	-9.581	568.431	-0.933925
5103	0	1.034	-0.178436	29.119	6.238	301.014	-0.286964
		0.208550	-0.225160	182.758	-13.723	571.167	-0.728761
5103	1.270	1.034	-0.178436	18.959	6.238	331.542	-0.513569
		0.208550	-0.225160	167.518	-13.723	793.584	-1.015
5104	0	0.866544	-0.124161	14.763	1.757	331.921	-0.311920
		-0.048110	-0.075607	104.028	-4.475	611.693	-0.752564
5104	1.270	0.866544	-0.124161	4.604	1.757	344.218	-0.469597
		-0.048110	-0.075607	88.789	-4.475	734.127	-0.848581
5105	0	0.720949	-0.113419	-1.617	0.985924	344.134	-0.301811
		-0.026684	-0.036199	68.553	-5.419	735.943	-0.872908
5105	1.270	0.720949	-0.113419	-11.776	0.985924	335.630	-0.445848
		-0.026684	-0.036199	53.314	-5.419	813.325	-0.918878
5106	0	0.538606	-0.049796	-68.380	10.067	924.107	-0.950577
		-0.029694	0.006464	38.340	-10.102	587.482	-0.696847
5106	1.270	0.538606	-0.049796	-83.620	10.067	827.591	-1.014
		-0.029694	0.006464	28.181	-10.102	629.721	-0.688638
5107	0	0.401881	0.007327	-104.139	5.189	826.478	-0.855681
		-0.080612	0.056562	-5.626	-2.892	343.565	-0.423666
5107	1.270	0.401881	0.007327	-119.378	5.189	684.551	-0.846376
		-0.080612	0.056562	-15.786	-2.892	329.968	-0.351835
5108	0	0.265590	0.052314	-139.562	4.135	683.249	-0.689005
		-0.035898	0.084680	-20.362	-7.987	330.167	-0.404684
5108	1.270	0.265590	0.052314	-154.802	4.135	496.336	-0.622569
		-0.035898	0.084680	-30.521	-7.987	297.858	-0.297144
5109	0	0.131952	0.127400	-211.379	13.066	596.225	-0.570481
		-0.085578	0.088799	-38.865	5.530	141.940	-0.185160
5109	1.270	0.131952	0.127400	-226.619	13.066	318.108	-0.408689
		-0.085578	0.088799	-49.024	5.530	86.132	-0.072390
5110	0	0.000578	0.079291	-238.623	6.677	315.535	-0.241361
		-0.013426	0.098558	-47.849	2.847	70.337	-0.098269
5110	1.270	0.000578	0.079291	-253.863	6.677	2.820	-0.140666
		-0.013426	0.098558	-58.008	2.847	3.120	0.026895
5201	0	-0.497674	0.356427	51.382	1.523	-0.260678	-0.165900
		0.531769	0.406881	328.728	1.932	-8.711	-1.131
5201	1.270	-0.497674	0.356427	51.382	1.523	64.991	0.286744
		0.531769	0.406881	328.728	1.932	408.757	-0.614595
5202	0	-0.265958	0.338301	39.795	1.078	65.141	-0.369364
		0.328906	-0.304532	267.810	3.069	343.708	0.341990
5202	1.270	-0.265958	0.338301	39.795	1.078	115.679	0.060261
		0.328906	-0.304532	267.810	3.069	683.813	-0.044751
5203	0	-0.034674	-0.050181	-29.024	1.591	442.738	0.038185
		0.389259	-0.363519	253.672	1.358	675.390	0.371826
5203	1.270	-0.034674	-0.050181	-29.024	1.591	405.880	-0.025543
		0.389259	-0.363519	253.672	1.358	997.541	-0.089825
5204	0	0.193738	-0.140167	-33.243	-0.081149	406.265	0.127557
		0.132191	-0.157917	127.301	1.186	602.489	0.145914
5204	1.270	0.193738	-0.140167	-33.243	-0.081149	364.048	-0.050447
		0.132191	-0.157917	127.301	1.186	764.154	-0.054632
5205	0	0.482257	-0.388616	-35.118	-0.673857	364.974	0.324460
		-0.206346	0.121858	117.869	0.839689	759.423	-0.081027
5205	1.270	0.482257	-0.388616	-35.118	-0.673857	320.376	-0.169062
		-0.206346	0.121858	117.869	0.839689	909.110	0.073727
5206	0	0.185536	-0.359072	-157.276	-0.981796	1108.963	0.308114
		-0.117728	0.124045	118.668	-0.672481	640.461	-0.070731
5206	1.270	0.185536	-0.359072	-157.276	-0.981796	909.231	-0.147888
		-0.117728	0.124045	118.668	-0.672481	791.162	0.086800
5207	0	0.105723	-0.377173	-163.533	-2.435	913.465	0.304383
		-0.082059	0.158161	34.713	-0.411470	363.608	-0.098978
5207	1.270	0.105723	-0.377173	-163.533	-2.435	705.787	-0.174605
		-0.082059	0.158161	34.713	-0.411470	407.691	0.101877
5208	0	0.015635	-0.398873	-172.965	-2.761	711.425	0.291917
		-0.055278	0.142421	31.255	-1.744	407.633	-0.077811
5208	1.270	0.015635	-0.398873	-172.965	-2.761	491.768	-0.214630
		-0.055278	0.142421	31.255	-1.744	447.325	0.103056

5209	0	-0.067194	-0.368285	-313.736	-2.310	807.930	0.235361
		0.123119	0.159512	-39.167	-1.073	114.397	-0.088321
5209	1.270	-0.067194	-0.368285	-313.736	-2.310	409.503	-0.232341
		0.123119	0.159512	-39.167	-1.073	64.657	0.114250
5210	0	-0.107730	-0.351735	-337.682	-2.844	418.798	0.151679
		0.154520	0.149550	-50.238	-1.025	64.239	-0.059716
5210	1.270	-0.107730	-0.351735	-337.682	-2.844	-10.039	-0.295005
		0.154520	0.149550	-50.238	-1.025	0.439467	0.130204
5301	0	0.163911	0.153193	43.506	-0.110153	0.563981	-0.459194
		-0.556312	0.033008	314.750	-0.220010	-7.201	-0.095571
5301	1.270	0.163911	0.153193	43.506	-0.110153	55.814	-0.264646
		-0.556312	0.033008	314.750	-0.220010	392.516	-0.053653
5302	0	0.208415	0.013541	34.922	-0.008459	56.737	-0.008217
		-0.503353	0.049224	263.832	1.053	334.718	-0.036187
5302	1.270	0.208415	0.013541	34.922	-0.008459	101.086	0.008979
		-0.503353	0.049224	263.832	1.053	669.771	0.026324
5303	0	-0.265399	0.011740	-28.892	0.947469	419.658	-0.005621
		-0.318872	0.039717	252.471	0.123503	661.822	-0.014814
5303	1.270	-0.265399	0.011740	-28.892	0.947469	382.967	0.009288
		-0.318872	0.039717	252.471	0.123503	982.447	0.035624
5304	0	-0.191315	0.002318	-30.896	0.100380	382.853	0.008703
		-0.148953	0.024279	127.829	0.585627	601.405	0.004677
5304	1.270	-0.191315	0.002318	-30.896	0.100380	343.622	0.011647
		-0.148953	0.024279	127.829	0.585627	763.741	0.035510
5305	0	-0.149698	-0.007964	-32.413	-0.115541	344.424	0.018147
		-0.123857	0.002889	115.604	0.321923	759.629	0.022180
5305	1.270	-0.149698	-0.007964	-32.413	-0.115541	303.262	0.008033
		-0.123857	0.002889	115.604	0.321923	906.440	0.025849
5306	0	-0.262026	-0.020870	-152.759	0.368481	1102.235	0.038172
		-0.028816	-0.013157	114.313	-0.628252	625.979	0.021202
5306	1.270	-0.262026	-0.020870	-152.759	0.368481	908.242	0.011669
		-0.028816	-0.013157	114.313	-0.628252	771.150	0.004494
5307	0	-0.234553	-0.043996	-161.817	-0.583240	912.436	0.049106
		0.046504	-0.019718	32.623	-0.106354	346.469	0.022197
5307	1.270	-0.234553	-0.043996	-161.817	-0.583240	706.938	-0.006766
		0.046504	-0.019718	32.623	-0.106354	387.898	-0.002844
5308	0	-0.208325	-0.065372	-173.921	-0.841696	712.760	0.053130
		0.038027	-0.028952	30.425	-0.952586	387.748	0.023416
5308	1.270	-0.208325	-0.065372	-173.921	-0.841696	491.830	-0.029889
		0.038027	-0.028952	30.425	-0.952586	426.386	-0.013351
5309	0	-0.149145	-0.069096	-309.977	-0.267891	793.527	0.040060
		0.094809	-0.047934	-35.227	-0.009234	103.062	0.027812
5309	1.270	-0.149145	-0.069096	-309.977	-0.267891	399.872	-0.047688
		0.094809	-0.047934	-35.227	-0.009234	58.325	-0.033062
5310	0	-0.143832	-0.054049	-329.303	-0.920528	408.704	0.018722
		0.091454	-0.039484	-44.694	-0.007897	57.562	0.014414
5310	1.270	-0.143832	-0.054049	-329.303	-0.920528	-9.433	-0.049917
		0.091454	-0.039484	-44.694	-0.007897	0.803464	-0.035729
5401	0	-0.996222	-0.306066	50.742	-0.373958	1.094	-0.162653
		0.157676	0.742970	223.641	12.941	-5.113	-1.024
5401	1.270	-0.996222	-0.306066	50.742	-0.373958	65.533	-0.551342
		0.157676	0.742970	223.641	12.941	278.900	-0.079982
5402	0	-0.845533	-0.600838	39.603	-1.177	64.865	0.581149
		0.146949	0.498742	189.241	13.133	276.309	-0.453811
5402	1.270	-0.845533	-0.600838	39.603	-1.177	115.158	-0.181886
		0.146949	0.498742	189.241	13.133	516.636	0.179566
5403	0	-0.495138	-0.063801	26.774	-2.684	243.537	0.143093
		0.122153	0.344916	151.551	14.196	514.498	-0.236941
5403	1.270	-0.495138	-0.063801	26.774	-2.684	277.538	0.062069
		0.122153	0.344916	151.551	14.196	706.960	0.201085
5404	0	-0.235735	-0.044784	10.310	-0.747917	277.559	0.091377
		-0.036450	0.151438	86.446	6.538	563.888	-0.073022
5404	1.270	-0.235735	-0.044784	10.310	-0.747917	290.653	0.034503
		-0.036450	0.151438	86.446	6.538	673.671	0.119296
5405	0	0.117366	0.191168	-5.431	-0.941924	290.186	-0.124602
		-0.367775	-0.150016	51.494	5.091	673.021	0.165674
5405	1.270	0.117366	0.191168	-5.431	-0.941924	283.290	0.118171

		-0.367775	-0.150016	51.494	5.091	738.416	-0.024838
5406	0	-0.038004	0.194758	-59.950	-7.837	819.263	-0.118703
		-0.229340	-0.178564	22.698	5.507	473.337	0.155278
5406	1.270	-0.038004	0.194758	-59.950	-7.837	743.130	0.128629
		-0.229340	-0.178564	22.698	5.507	502.162	-0.071488
5407	0	-0.068306	0.170389	-97.194	-7.620	743.247	-0.099499
		-0.119732	-0.195458	-10.764	1.105	289.772	0.154887
5407	1.270	-0.068306	0.170389	-97.194	-7.620	619.816	0.116886
		-0.119732	-0.195458	-10.764	1.105	276.102	-0.093334
5408	0	-0.097144	0.148180	-132.175	-9.026	620.905	-0.081111
		-0.070006	-0.205147	-27.013	3.152	276.568	0.147591
5408	1.270	-0.097144	0.148180	-132.175	-9.026	453.050	0.107069
		-0.070006	-0.205147	-27.013	3.152	242.262	-0.112935
5409	0	-0.081405	0.128359	-193.505	-14.984	532.751	-0.066772
		-0.049438	-0.472797	-39.055	0.959860	114.139	0.281532
5409	1.270	-0.081405	0.128359	-193.505	-14.984	287.010	0.096237
		-0.049438	-0.472797	-39.055	0.959860	64.542	-0.318895
5410	0	-0.111685	0.118695	-228.308	-11.407	288.449	-0.046459
		0.008963	-0.232254	-48.962	-0.924409	64.254	0.097123
5410	1.270	-0.111685	0.118695	-228.308	-11.407	-1.490	0.104277
		0.008963	-0.232254	-48.962	-0.924409	2.076	-0.197827
5501	0	-0.401109	-0.571961	52.325	2.704	1.939	0.534644
		-0.228256	0.306600	130.604	9.392	4.410	-0.429998
55 1	1.270	-0.401109	-0.571961	42.166	2.704	61.939	-0.191719
		-0.228256	0.306600	115.364	9.392	160.593	-0.040631
5502	0	-0.281307	-0.167399	40.134	1.910	64.064	-0.031956
		-0.355544	0.009117	103.573	7.244	165.669	-0.210163
5502	1.270	-0.281307	-0.167399	29.974	1.910	108.581	-0.244544
		-0.355544	0.009117	88.333	7.244	287.516	-0.198585
5503	0	-0.241518	-0.015480	29.373	1.509	110.415	-0.177287
		-0.396201	-0.035108	77.867	3.387	271.654	-0.292006
5503	1.270	-0.241518	-0.015480	19.213	1.509	141.265	-0.196946
		-0.396201	-0.035108	62.627	3.387	360.864	-0.336591
5504	0	-0.239631	0.006534	19.292	1.012	142.644	-0.188055
		-0.423877	-0.058516	51.198	1.911	361.977	-0.372742
5504	1.270	-0.239631	0.006534	9.133	1.012	160.693	-0.179757
		-0.423877	-0.058516	35.958	1.911	417.319	-0.447054
5505	0	0.173070	0.061953	7.662	1.333	216.670	-0.294825
		-0.405501	-0.046628	23.503	1.758	427.969	-0.452757
5505	1.270	0.173070	0.061953	-2.498	1.333	219.950	-0.216147
		-0.405501	-0.046628	8.263	1.758	448.139	-0.511972
5506	0	0.085246	0.079325	-11.004	-1.286	448.300	-0.550362
		-0.350155	-0.036629	2.759	-0.338259	220.451	-0.215530
5506	1.270	0.085246	0.079325	-26.243	-1.286	424.649	-0.449624
		-0.350155	-0.036629	-7.400	-0.338259	217.504	-0.262047
5507	0	0.025891	0.102465	-36.073	-2.907	423.810	-0.517702
		-0.547248	-0.098844	-9.028	-0.558794	160.966	-0.095275
5507	1.270	0.025891	0.102465	-51.312	-2.907	368.323	-0.387578
		-0.547248	-0.098844	-19.187	-0.558794	143.051	-0.220801
5508	0	0.017228	0.121891	-62.994	-2.645	361.381	-0.436172
		-0.421133	-0.085445	-19.024	-0.935218	141.906	-0.076843
5508	1.270	0.017228	0.121891	-78.234	-2.645	271.705	-0.281376
		-0.421133	-0.085445	-29.254	-0.935218	111.206	-0.185354
5509	0	-0.084752	0.143548	-88.484	-1.914	280.316	-0.330959
		-0.294385	-0.075027	-30.276	-1.212	109.573	-0.038491
5509	1.270	-0.084752	0.143548	-103.724	-1.914	158.269	-0.148662
		-0.294385	-0.075027	-40.436	-1.212	64.672	-0.133771
5510	0	-0.109681	0.144383	-114.825	-1.724	156.903	-0.173144
		-0.170805	-0.102242	-42.708	-1.229	62.731	0.014958
5510	1.270	-0.109681	0.144383	-130.064	-1.724	1.404	0.010214
		-0.170805	-0.102242	-52.867	-1.229	2.044	-0.114884

6.2 Cálculo de las Vigas

A continuación se presenta la comprobación de las vigas. Para ello se utiliza una hoja de cálculo. Se incluye tanto la comprobación de tensiones en servicio en vacío, a tiempo cero y a tiempo infinito.

OBRA: OC-04-00 : ACCESOS A ZARAGOZA
PASO SUPERIOR CAMINO DE SAN ANTÓN

fck, viga [MPa] =	*45*				
fck, losa [MPa] =	*25*				
Canto Viga [m] =	*0.8*				
Area viga[m2] =	*0.1999*	perd,inst =	*0.93*	Ec, viga [MPa] =	31928
Iy, viga [m4] =	*0.018097*	perdi_dif =	*0.85*	Ec,losa [MPa] =	27264
y,cdg, viga [m] =	*0.419*			n =	0.85
Wsup [m3] =	0.0475				
W inf [m3] =	0.0432				
Ancho losa [m] =	*1.55*				
espesor Losa [m]	*0.2*				
Area V+L [m2] =	0.465				
B V+L [m3] =	0.094				
y_inf =	0.798				
y_sup =	-0.202				
fibra,sup,viga =	0.002				
Iy V+L [m4] =	0.050				
sigma_0 [MPa] =	*1425*				
Luz, viga =	*12.7*				

	Capa 1		Capa 2		Capa 3		Capa 4			Pretensado	pp, viga	pp, losa	Env. Servicio	gamma p = 1.05		gamma p = 1.05		gamma p = 0.95	
														Vacio		ELS a t=0		ELS a t=inf	
Sección x [m]	Area	y	Area	y	Area	y	Area	y		N,p,0 [kN]	M,p,0 [kNm]	My [kNm]	My [kNm]	My [kNm]	s_inf [MPa]	s_sup [MPa]	s_inf [MPa]	s_sup [MPa]	s_inf [MPa]	s_sup [MPa]
0	11.2	0.05	0	0.098	0	0.146	4	0.75		-2014.38	-372.24	0.00	0.00	**-29.05**	-19.6	-2.4	-20.1	-2.4	-15.6	-1.2
0	11.2	0.05	0	0.098	0	0.146	4	0.75		-2014.38	-372.24	0.00	0.00	**20.77**	-19.6	-2.4	-19.3	-2.4	-14.8	-1.2
1.27	11.2	0.05	0	0.098	0	0.146	4	0.75		-2014.38	-372.24	36.27	56.25	**68.48**	-18.3	-3.1	-15.9	-4.3	-11.9	-3.3
1.27	11.2	0.05	0	0.098	0	0.146	4	0.75		-2014.38	-372.24	36.27	56.25	**314.25**	-18.8	-3.1	-12.5	-4.3	-8.0	-3.3
1.27	11.2	0.05	0	0.098	0	0.146	4	0.75		-2014.38	-372.24	36.27	56.25	**65.1**	-18.8	-3.1	-16.5	-4.3	-11.9	-3.3
1.27	11.2	0.05	0	0.098	0	0.146	4	0.75		-2014.38	-372.24	36.27	56.25	**307.15**	-18.8	-3.1	-12.6	-4.3	-8.1	-3.3
2.54	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	64.48	100.00	**124.91**	-27.8	-2.3	-23.5	-4.5	16.8	-3.5
2.54	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	64.48	100.00	**587.14**	-27.8	-2.3	-16.2	-4.5	-9.5	-3.6
2.54	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	64.48	100.00	**127.03**	-27.8	-2.3	-23.5	-4.5	-16.7	-3.5
2.54	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	64.48	100.00	**575.66**	-27.8	-2.3	-16.4	-4.5	-9.6	-3.6
3.81	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	84.63	131.25	**163.36**	-27.4	-2.8	-21.7	-5.5	-15.0	-4.7
3.81	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	84.63	131.25	**817.78**	-27.4	-2.8	-11.4	-5.6	-4.6	-4.8
3.81	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	84.63	131.25	**167.36**	-27.4	-2.8	-21.7	-5.5	-14.9	-4.7
3.81	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	84.63	131.25	**804.42**	-27.4	-2.8	-11.6	-5.6	-4.8	-4.8
5.08	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	96.73	150.00	**185.4**	-27.1	-3.0	-20.7	-6.2	-13.9	-5.4
5.08	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	96.73	150.00	**941.2**	-27.1	-3.0	-8.7	-6.2	-1.9	-5.5
5.08	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	96.73	150.00	**190.21**	-27.1	-3.0	-20.6	-6.2	-13.8	-5.4
5.08	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	96.73	150.00	**926.5**	-27.1	-3.0	-8.9	-6.2	-2.2	-5.5
6.35	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	100.76	156.25	**191.62**	-27.0	-3.1	-20.3	-6.4	-13.6	-5.7
6.35	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	100.76	156.25	**956.97**	-27.0	-3.1	-8.2	-6.4	-1.5	-5.7
6.35	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	100.76	156.25	**196.68**	-27.0	-3.1	-20.3	-6.4	-13.5	-5.7
6.35	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	100.76	156.25	**941.45**	-27.0	-3.1	-8.5	-6.4	-1.7	-5.7
7.62	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	96.73	150.00	**182.24**	-27.1	-3.0	-20.7	-6.2	-14.0	-5.4
7.62	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	96.73	150.00	**913.75**	-27.1	-3.0	-9.2	-6.2	-2.4	-5.5
7.62	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	96.73	150.00	**187.41**	-27.1	-3.0	-20.6	-6.2	-13.9	-5.4
8.89	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	96.73	150.00	**895.61**	-27.1	-3.0	-9.4	-6.2	-2.7	-5.5
8.89	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	84.63	131.25	**156.89**	-27.4	-2.8	-21.8	-5.5	-15.1	-4.7
8.89	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	84.63	131.25	**841.87**	-27.4	-2.8	-11.0	5.6	-4.2	-4.8
8.89	11.2	0.05	5.6	0.098	0	0.146	4	0.75		2756.52	-610.46	84.63	131.25	**162.24**	-27.4	-2.8	-21.8	-5.5	-15.0	-4.7
10.16	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	84.63	131.25	**823.1**	-27.4	-2.8	-11.3	-5.6	-4.5	-4.8
10.16	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	64.48	100.00	**116.46**	-27.8	-2.3	-23.7	-4.5	-16.9	-3.5
10.16	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	64.48	100.00	**658.02**	-27.8	-2.3	-15.1	-4.5	-8.3	3.6
10.16	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	64.48	100.00	**121.62**	-27.8	-2.3	-23.6	-4.5	-16.8	-3.5
10.16	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	64.48	100.00	**639.26**	-27.8	-2.3	-15.4	-4.5	-8.6	-3.6
11.43	11.2	0.05	0	0.098	0	0.146	4	0.75		-2014.38	-372.24	36.27	56.25	**60.83**	-18.8	-3.1	-16.5	-4.3	-12.0	-3.3
11.43	11.2	0.05	0	0.098	0	0.146	4	0.75		-2014.38	-372.24	36.27	56.25	**357.65**	-18.8	-3.1	-11.8	4.3	-7.3	-3.3
11.43	11.2	0.05	0	0.098	0	0.146	4	0.75		-2014.38	-372.24	36.27	56.25	**65.49**	-18.8	-3.1	-16.5	4.3	-11.9	-3.3
11.43	11.2	0.05	0	0.098	0	0.146	4	0.75		-2014.38	-372.24	36.27	56.25	**338.96**	-18.8	-3.1	-12.1	-4.3	-7.6	-3.3

12.7	**11.2**	**0.05**	**0**	**0.098**	**0**	**0.146**	**4**	**0.75**	-2014.38	-372.24	0.00	0.00	**-43.06**	-19.6	-2.4	-20.3	-2.4	-15.8	-1.2
12.7	**11.2**	**0.05**	**0**	**0.098**	**0**	**0.146**	**4**	**0.75**	-2014.38	-372.24	0.00	0.00	**66.57**	-19.6	-2.4	-18.6	-2.4	-14.0	-1.2
													Max compr:	-27.8			Max trac:	-1.5	

OBRA: OC-04-00 : ACCESOS A ZARAGOZA
PASO SUPERIOR CAMINO DE SAN ANTÓN

Cortante en Viga

fck [MPa] =	**25**	psi =	1.459
d [m] =	**0.95**	alfa,ras =	**0.438**
b0 [m] =	**0.1**		

Barra		Vd [kNm/m]	N [kNm/m]	rho,l	Vcu [kN]	A,alfa [cm2/m]	Rasante,inf	A,alfa,inf [cm2/m]
1101	**0**	**103.64**	-1712	0.020	103.57	0.83	45.34	1.33
1101	**0**	**481.08**	-1712	0.020	103.57	11.04	210.47	6.15
1101	**1.27**	**87.13**	-1712	0.020	103.57	0.83	38.12	1.11
1101	**1.27**	**451.89**	-1712	0.020	103.57	10.18	197.70	5.78
1102	**1.27**	**86.72**	-1712	0.020	103.57	0.83	37.94	1.11
1102	**1.27**	**418.25**	-1712	0.020	103.57	9.20	182.98	5.35
1102	**2.54**	**70.21**	-2343	0.020	122.92	0.83	30.72	0.90
1102	**2.54**	**389.06**	-2343	0.020	122.92	7.78	170.21	4.98
1103	**2.54**	**54.36**	-2343	0.020	122.92	0.83	23.78	0.70
1103	**2.54**	**352.61**	-2343	0.020	122.92	6.72	154.27	4.51
1103	**3.81**	**37.85**	-2343	0.020	122.92	0.83	16.56	0.48
1103	**3.81**	**323.41**	-2343	0.020	122.92	5.86	141.49	4.14
1104	**3.81**	**23.67**	-2343	0.020	122.92	0.83	10.36	0.30
1104	**3.81**	**229.55**	-2343	0.020	122.92	3.12	100.43	2.94
1104	**5.08**	**7.17**	-2343	0.020	122.92	0.83	3.14	0.09
1104	**5.08**	**200.35**	-2343	0.020	122.92	2.26	87.65	2.56
1105	**5.08**	**-10.54**	-2343	0.020	122.92	0.83	4.61	0.13
1105	**5.08**	**155.59**	-2343	0.020	122.92	0.96	68.07	1.99
1105	**6.35**	**-27.05**	-2343	0.020	122.92	0.83	11.83	0.35
1105	**6.35**	**126.39**	-2343	0.020	122.92	0.83	55.30	1.62
1106	**6.35**	**-108.72**	-2343	0.020	122.92	0.83	47.57	1.39
1106	**6.35**	**82.57**	-2343	0.020	122.92	0.83	36.12	1.06
1106	**7.62**	**-137.91**	-2343	0.020	122.92	0.83	60.34	1.76
1106	**7.62**	**66.06**	-2343	0.020	122.92	0.83	28.90	0.85
1107	**7.62**	**-183.62**	-2343	0.020	122.92	1.77	80.33	2.35
1107	**7.62**	**-3.14**	-2343	0.020	122.92	0.83	1.37	0.04
1107	**8.89**	**-212.81**	-2343	0.020	122.92	2.63	93.10	2.72
1107	**8.89**	**-19.65**	-2343	0.020	122.92	0.83	8.60	0.25
1108	**8.89**	**-258.94**	-2343	0.020	122.92	3.98	113.29	3.31
1108	**8.89**	**-38.39**	-2343	0.020	122.92	0.83	16.80	0.49
1108	**10.16**	**-288.13**	-2343	0.020	122.92	4.83	126.06	3.69
1108	**10.16**	**-54.9**	-2343	0.020	122.92	0.83	24.02	0.70
1109	**10.16**	**-401.8**	-2343	0.020	122.92	8.15	175.79	5.14
1109	**10.16**	**-69.84**	-2343	0.020	122.92	0.83	30.56	0.89

1109	**11.43**	**-431**	-1712	0.020	103.57	9.57	188.56	5.51
1109	**11.43**	**-86.35**	-1712	0.020	103.57	0.83	37.78	1.10
1110	**11.43**	**-481.14**	-1712	0.020	103.57	11.04	210.50	6.15
1110	**11.43**	**-97.57**	-1712	0.020	103.57	0.83	42.69	1.25
1110	**12.7**	**-510.34**	-1712	0.020	103.57	11.89	223.27	6.53
1110	**12.7**	**-114.08**	-1712	0.020	103.57	0.83	49.91	1.46

22421	**1.39**	1.12	2.40	0.00	0.0134	**-4.29**	125.05	0.03	**22801**	**0.69**	**47.13**	7.86	0.00	0.0134	**2.97**	125.05	0.02
22131	**1.39**	-8.52	2.40	0.00	0.0134	**9.23**	125.05	0.07				48.60					
22131	**1.39**	7.79	2.40	0.00	0.0134	**93.1**	125.05	0.74									
22131	**1.39**	4.26	2.40	0.00	0.0134	**-42.65**	125.05	0.34									
22131	**1.39**	69.87	12.25	0.00	0.0134	**19.45**	125.05	0.16									
22131	**1.39**	-4.98	2.40	0.00	0.0134	**-62.08**	125.05	0.50									
22131	**1.39**	52.33	8.82	0.00	0.0134	**5.69**	125.05	0.05									
22231	**1.39**	-5.61	2.40	0.00	0.0134	**-6**	125.05	0.05									
22231	**1.39**	53.78	9.09	0.00	0.0134	**92.59**	125.05	0.74									
22231	**1.39**	4.95	2.40	0.00	0.0134	**-42.23**	125.05	0.34									
22231	**1.39**	102.98	19.80	0.00	0.0134	**65.71**	125.05	0.53									
22231	**1.39**	-12.75	2.40	0.00	0.0134	**-71.47**	125.05	0.57									
22231	**1.39**	81.52	14.71	0.00	0.0134	**7.32**	125.05	0.06									
22331	**1.39**	-6.13	2.40	0.00	0.0134	**-10.95**	125.05	0.09									
22331	**1.39**	82.09	14.84	0.00	0.0134	**84.45**	125.05	0.68									
22331	**1.39**	0.17	2.40	0.00	0.0134	**-52.72**	125.05	0.42									
22331	**1.39**	85.28	15.55	0.00	0.0134	**3.24**	125.05	0.03									
22331	**1.39**	-16.02	2.52	0.00	0.0134	**-73.64**	125.05	0.59									
22331	**1.39**	41.29	6.80	0.00	0.0134	**-9.04**	125.05	0.07									
22431	**1.39**	-13.51	2.40	0.00	0.0134	**-2.95**	125.05	0.02									
22431	**1.39**	37.41	6.12	0.00	0.0134	**24.37**	125.05	0.19									
22431	**1.39**	-0.76	2.40	0.00	0.0134	**-16.72**	125.05	0.13									
22431	**1.39**	30.21	4.88	0.00	0.0134	**4.94**	125.05	0.04									
22431	**1.39**	-2.18	2.40	0.00	0.0134	**-38.8**	125.05	0.31									
22431	**1.39**	0.85	2.40	0.00	0.0134	**-6.18**	125.05	0.05									
22141	**1.39**	-5.19	2.40	0.00	0.0134	**9.56**	125.05	0.08									
22141	**1.39**	3.52	2.40	0.00	0.0134	**91.72**	125.05	0.73									
22141	**1.39**	4.88	2.40	0.00	0.0134	**-43.89**	125.05	0.35									
22141	**1.39**	71.51	12.59	0.00	0.0134	**17.84**	125.05	0.14									
22141	**1.39**	-3.95	2.40	0.00	0.0134	**-63.27**	125.05	0.51									
22141	**1.39**	40.84	6.72	0.00	0.0134	**4.02**	125.05	0.03									
22241	**1.39**	-4.54	2.40	0.00	0.0134	**-0.62**	125.05	0.00									
22241	**1.39**	43.02	7.11	0.00	0.0134	**91.8**	125.05	0.73									
22241	**1.39**	5.53	2.40	0.00	0.0134	**-42.71**	125.05	0.34									
22241	**1.39**	103.71	19.99	0.00	0.0134	**65.52**	125.05	0.52									
22241	**1.39**	-12.95	2.40	0.00	0.0134	**-71.37**	125.05	0.57									
22241	**1.39**	68.19	11.91	0.00	0.0134	**4.19**	125.05	0.03									
22341	**1.39**	-7.36	2.40	0.00	0.0134	**-6.25**	125.05	0.05									
22341	**1.39**	68.14	11.90	0.00	0.0134	**83.74**	125.05	0.67									
22341	**1.39**	-0.32	2.40	0.00	0.0134	**-53.15**	125.05	0.43									
22341	**1.39**	85.87	15.68	0.00	0.0134	**2.71**	125.05	0.02									
22341	**1.39**	-12.43	2.40	0.00	0.0134	**-74.04**	125.05	0.59									
22341	**1.39**	38.19	6.26	0.00	0.0134	**-9.59**	125.05	0.08									
22441	**1.39**	-9.57	2.40	0.00	0.0134	**-2.19**	125.05	0.02									
22441	**1.39**	36.39	5.94	0.00	0.0134	**22.76**	125.05	0.18									
22441	**1.39**	1.35	2.40	0.00	0.0134	**-16.01**	125.05	0.13									
22441	**1.39**	30.04	4.85	0.00	0.0134	**3.38**	125.05	0.03									
22441	**1.39**	-2.18	2.40	0.00	0.0134	**-38.08**	125.05	0.30									
22441	**1.39**	0.82	2.40	0.00	0.0134	**-7.74**	125.05	0.06									
22151	**1.39**	-8.43	2.40	0.00	0.0134	**9.76**	125.05	0.08									
22151	**1.39**	6.25	2.40	0.00	0.0134	**92.5**	125.05	0.74									
22151	**1.39**	5.22	2.40	0.00	0.0134	**-43.07**	125.05	0.34									
22151	**1.39**	69.17	12.11	0.00	0.0134	**17.07**	125.05	0.14									
22151	**1.39**	-3.41	2.40	0.00	0.0134	**-62.43**	125.05	0.50									
22151	**1.39**	45.29	7.52	0.00	0.0134	**3.23**	125.05	0.03									
22251	**1.39**	-3.91	2.40	0.00	0.0134	**-4.4**	125.05	0.04									
22251	**1.39**	47.46	7.92	0.00	0.0134	**92.73**	125.05	0.74									
22251	**1.39**	5.99	2.40	0.00	0.0134	**-41.57**	125.05	0.33									
22251	**1.39**	101.51	19.43	0.00	0.0134	**65.39**	125.05	0.52									
22251	**1.39**	-12.86	2.40	0.00	0.0134	**-71.29**	125.05	0.57									
22251	**1.39**	71.41	12.56	0.00	0.0134	**6.38**	125.05	0.05									
22351	**1.39**	-5.98	2.40	0.00	0.0134	**-9.64**	125.05	0.08									

22351	**1.39**	72.24	12.74	0.00	0.0134	**84.39**	125.05	0.67
22351	**1.39**	0.71	2.40	0.00	0.0134	**-52.29**	125.05	0.42
22351	**1.39**	83.95	15.25	0.00	0.0134	**2.31**	125.05	0.02
22351	**1.39**	-11.84	2.40	0.00	0.0134	**-73.18**	125.05	0.59
22351	**1.39**	35.17	5.73	0.00	0.0134	**-10**	125.05	0.08
22451	**1.39**	-8.96	2.40	0.00	0.0134	**-0.75**	125.05	0.01
22451	**1.39**	33.65	5.47	0.00	0.0134	**22.48**	125.05	0.18
22451	**1.39**	1.7	2.40	0.00	0.0134	**-14.59**	125.05	0.12
22451	**1.39**	28.92	4.66	0.00	0.0134	**3.13**	125.05	0.03
22451	**1.39**	-2.71	2.40	0.00	0.0134	**-36.66**	125.05	0.29
22451	**1.39**	0.77	2.40	0.00	0.0134	**-8**	125.05	0.06
22161	**1.39**	-8.16	2.40	0.00	0.0134	**9.68**	125.05	0.08
22161	**1.39**	6.03	2.40	0.00	0.0134	**92.87**	125.05	0.74
22161	**1.39**	4.98	2.40	0.00	0.0134	**-42.78**	125.05	0.34
22161	**1.39**	69.95	12.26	0.00	0.0134	**17.1**	125.05	0.14
22161	**1.39**	-3.72	2.40	0.00	0.0134	**-62.14**	125.05	0.50
22161	**1.39**	45.2	7.51	0.00	0.0134	**3.26**	125.05	0.03
22261	**1.39**	-4.3	2.40	0.00	0.0134	**-4.7**	125.05	0.04
22261	**1.39**	47.48	7.92	0.00	0.0134	**92.83**	125.05	0.74
22261	**1.39**	5.89	2.40	0.00	0.0134	**-41.74**	125.05	0.33
22261	**1.39**	103.5	19.94	0.00	0.0134	**65.61**	125.05	0.52
22261	**1.39**	-11.91	2.40	0.00	0.0134	**-71.33**	125.05	0.57
22261	**1.39**	70.47	12.37	0.00	0.0134	**6.62**	125.05	0.05
22361	**1.39**	-5.59	2.40	0.00	0.0134	**-9.86**	125.05	0.08
22361	**1.39**	71.35	12.55	0.00	0.0134	**84.41**	125.05	0.68
22361	**1.39**	0.64	2.40	0.00	0.0134	**-52.53**	125.05	0.42
22361	**1.39**	85.89	15.69	0.00	0.0134	**2.59**	125.05	0.02
22361	**1.39**	-12.27	2.40	0.00	0.0134	**-73.43**	125.05	0.59
22361	**1.39**	32.5	5.27	0.00	0.0134	**-9.71**	125.05	0.08
22461	**1.39**	-9.79	2.40	0.00	0.0134	**-0.59**	125.05	0.00
22461	**1.39**	31.1	5.03	0.00	0.0134	**22.81**	125.05	0.18
22461	**1.39**	1.21	2.40	0.00	0.0134	**-14.42**	125.05	0.12
22461	**1.39**	27.39	4.40	0.00	0.0134	**3.45**	125.05	0.03
22461	**1.39**	-2.9	2.40	0.00	0.0134	**-36.49**	125.05	0.29
22461	**1.39**	0.83	2.40	0.00	0.0134	**-7.68**	125.05	0.06
22171	**1.39**	-4.84	2.40	0.00	0.0134	**9.02**	125.05	0.07
22171	**1.39**	3.64	2.40	0.00	0.0134	**92.71**	125.05	0.74
22171	**1.39**	4.47	2.40	0.00	0.0134	**-43.2**	125.05	0.35
22171	**1.39**	73.16	12.93	0.00	0.0134	**16.36**	125.05	0.13
22171	**1.39**	-4.95	2.40	0.00	0.0134	**-62.6**	125.05	0.50
22171	**1.39**	38.97	6.39	0.00	0.0134	**2.56**	125.05	0.02
22271	**1.39**	-5.42	2.40	0.00	0.0134	**-1**	125.05	0.01
22271	**1.39**	40.06	6.59	0.00	0.0134	**91.58**	125.05	0.73
22271	**1.39**	5.49	2.40	0.00	0.0134	**-43.33**	125.05	0.35
22271	**1.39**	107.15	20.90	0.00	0.0134	**66.15**	125.05	0.53
22271	**1.39**	-11.48	2.40	0.00	0.0134	**-71.12**	125.05	0.57
22271	**1.39**	62.17	10.71	0.00	0.0134	**4.55**	125.05	0.04
22371	**1.39**	-6.6	2.40	0.00	0.0134	**-6.57**	125.05	0.05
22371	**1.39**	62.36	10.74	0.00	0.0134	**83.45**	125.05	0.67
22371	**1.39**	-0.79	2.40	0.00	0.0134	**-53.82**	125.05	0.43
22371	**1.39**	89.2	16.44	0.00	0.0134	**2.99**	125.05	0.02
22371	**1.39**	-13.94	2.40	0.00	0.0134	**-74.74**	125.05	0.60
22371	**1.39**	32.31	5.23	0.00	0.0134	**-9.28**	125.05	0.07
22471	**1.39**	-11.59	2.40	0.00	0.0134	**-0.77**	125.05	0.01
22471	**1.39**	32.33	5.24	0.00	0.0134	**23.61**	125.05	0.19
22471	**1.39**	0.27	2.40	0.00	0.0134	**-14.57**	125.05	0.12
22471	**1.39**	27.65	4.44	0.00	0.0134	**4.21**	125.05	0.03
22471	**1.39**	-2.07	2.40	0.00	0.0134	**-36.65**	125.05	0.29
22471	**1.39**	0.94	2.40	0.00	0.0134	**-6.9**	125.05	0.06
22181	**1.39**	-8.03	2.40	0.00	0.0134	**8.34**	125.05	0.07
22181	**1.39**	8.46	2.40	0.00	0.0134	**94.7**	125.05	0.76
22181	**1.39**	3.07	2.40	0.00	0.0134	**-41.4**	125.05	0.33

22181	**1.39**	72.7	12.83	0.00	0.0134	**17.92**	125.05	0.14
22181	**1.39**	-7.06	2.40	0.00	0.0134	**-60.89**	125.05	0.49
22181	**1.39**	49.61	8.31	0.00	0.0134	**4.21**	125.05	0.03
22281	**1.39**	-7.74	2.40	0.00	0.0134	**-6.04**	125.05	0.05
22281	**1.39**	51.18	8.61	0.00	0.0134	**91.83**	125.05	0.73
22281	**1.39**	5.09	2.40	0.00	0.0134	**-43.58**	125.05	0.35
22281	**1.39**	108.08	21.15	0.00	0.0134	**66.91**	125.05	0.54
22281	**1.39**	-11.11	2.40	0.00	0.0134	**-70.81**	125.05	0.57
22281	**1.39**	69.79	12.23	0.00	0.0134	**6.12**	125.05	0.05
22381	**1.39**	-5.16	2.40	0.00	0.0134	**-9.47**	125.05	0.08
22381	**1.39**	70.36	12.35	0.00	0.0134	**83.68**	125.05	0.67
22381	**1.39**	-0.73	2.40	0.00	0.0134	**-54.04**	125.05	0.43
22381	**1.39**	90.19	16.67	0.00	0.0134	**4.17**	125.05	0.03
22381	**1.39**	-17.74	2.80	0.00	0.0134	**-75.01**	125.05	0.60
22381	**1.39**	34.46	5.61	0.00	0.0134	**-8.06**	125.05	0.06
22481	**1.39**	-15.81	2.49	0.00	0.0134	**-0.27**	125.05	0.00
22481	**1.39**	32.09	5.20	0.00	0.0134	**25.42**	125.05	0.20
22481	**1.39**	-2.01	2.40	0.00	0.0134	**-13.98**	125.05	0.11
22481	**1.39**	28.12	4.52	0.00	0.0134	**5.93**	125.05	0.05
22481	**1.39**	-2.29	2.40	0.00	0.0134	**-36.1**	125.05	0.29
22481	**1.39**	1.49	2.40	0.00	0.0134	**-5.15**	125.05	0.04
22191	**1.39**	-5.58	2.40	0.00	0.0134	**8.81**	125.05	0.07
22191	**1.39**	9.95	2.40	0.00	0.0134	**94.91**	125.05	0.76
22191	**1.39**	1.45	2.40	0.00	0.0134	**-40.45**	125.05	0.32
22191	**1.39**	77.62	13.87	0.00	0.0134	**19.31**	125.05	0.15
22191	**1.39**	-7.61	2.40	0.00	0.0134	**-60.25**	125.05	0.48
22191	**1.39**	53.08	8.96	0.00	0.0134	**5.91**	125.05	0.05
22291	**1.39**	-11.63	2.40	0.00	0.0134	**-8.88**	125.05	0.07
22291	**1.39**	57.04	9.71	0.00	0.0134	**89.63**	125.05	0.72
22291	**1.39**	3.87	2.40	0.00	0.0134	**-48.98**	125.05	0.39
22291	**1.39**	106.54	20.73	0.00	0.0134	**68.59**	125.05	0.55
22291	**1.39**	-14.74	2.40	0.00	0.0134	**-72.25**	125.05	0.58
22291	**1.39**	82.09	14.84	0.00	0.0134	**9.34**	125.05	0.07
22391	**1.39**	-7.05	2.40	0.00	0.0134	**-13.02**	125.05	0.10
22391	**1.39**	82.84	15.01	0.00	0.0134	**82.85**	125.05	0.66
22391	**1.39**	-5.05	2.40	0.00	0.0134	**-56.25**	125.05	0.45
22391	**1.39**	88.01	16.17	0.00	0.0134	**7.17**	125.05	0.06
22391	**1.39**	-23.39	3.73	0.00	0.0134	**-77.3**	125.05	0.62
22391	**1.39**	41.18	6.79	0.00	0.0134	**-4.98**	125.05	0.04
22491	**1.39**	-18.32	2.89	0.00	0.0134	**-3.11**	125.05	0.02
22491	**1.39**	37.49	6.13	0.00	0.0134	**25.35**	125.05	0.20
22491	**1.39**	-5.27	2.40	0.00	0.0134	**-16.51**	125.05	0.13
22491	**1.39**	30.92	5.00	0.00	0.0134	**5.55**	125.05	0.04
22491	**1.39**	-6.09	2.40	0.00	0.0134	**-38.71**	125.05	0.31
22491	**1.39**	4.3	2.40	0.00	0.0134	**-5.45**	125.05	0.04

OBRA: OC-04-00 : ACCESOS A ZARAGOZA
PASO SUPERIOR CAMINO DE SAN ANTÓN

Losa - Dimensionamiento

fck [MPa] = **25** Mlim [kNm] = 119.53125
d [m] = **0.15**
b [m] = **1**
U0 [kN] = 2125

Barra	ancho [m]	Md [kNm/m]	As [cm2/m]	A's [cm2/m]	rho,l	Vd [kN/m]	Vu [kN/m]	Vd/Vu	Barra	ancho [m]	Md [kNm/m]	As [cm2/m]	A's [cm2/m]	rho,l	Vd [kN/m]	Vu [kN/m]	Vd/Vu
23111	**1.63**	**-3.01**	2.40	0.00	0.0134	**8.97**	125.05	0.07	**23101**	**0.81**	**-29.84**	4.81	0.00	0.0134	**2.54**	125.05	0.02
23111	**1.63**	**7.84**	2.40	0.00	0.0134	**91.03**	125.05	0.73	**23101**	**0.81**	**35.43**	5.77	0.00	0.0134	**181.63**	125.05	1.45
23111	**1.63**	**2.12**	2.40	0.00	0.0134	**-28.34**	125.05	0.23	**23101**	**0.81**	**-0.82**	2.40	0.00	0.0134	**-96.54**	125.05	0.77
23111	**1.63**	**79.1**	14.19	0.00	0.0134	**17.45**	125.05	0.14	**23101**	**0.81**	**173.81**	36.92	12.48	0.0134	**51.28**	125.05	0.41
23111	**1.63**	**-7.24**	2.40	0.00	0.0134	**-48.05**	125.05	0.38	**23101**	**0.81**	**-22.42**	3.57	0.00	0.0134	**-138.09**	125.05	1.10
23111	**1.63**	**40.37**	6.64	0.00	0.0134	**3.97**	125.05	0.03	**23101**	**0.81**	**93.53**	17.46	0.00	0.0134	**26.45**	125.05	0.21
23211	**1.63**	**-9.78**	2.40	0.00	0.0134	**-3.06**	125.05	0.02	**23201**	**0.81**	**-45.72**	7.60	0.00	0.0134	**-2.93**	125.05	0.02
23211	**1.63**	**43.58**	7.21	0.00	0.0134	**85.92**	125.05	0.69	**23201**	**0.81**	**137.43**	28.55	4.12	0.0134	**191.92**	125.05	1.53
23211	**1.63**	**4.41**	2.40	0.00	0.0134	**-48.47**	125.05	0.39	**23201**	**0.81**	**5.29**	2.40	0.00	0.0134	**-134.19**	125.05	1.07
23211	**1.63**	**117.07**	23.69	0.00	0.0134	**64.84**	125.05	0.52	**23201**	**0.81**	**247.7**	53.92	29.48	0.0134	**148.88**	125.05	1.19
23211	**1.63**	**-10.57**	2.40	0.00	0.0134	**-71.74**	125.05	0.57	**23201**	**0.81**	**-57.61**	9.82	0.00	0.0134	**-180.72**	125.05	1.45
23211	**1.63**	**72**	12.69	0.00	0.0134	**2.93**	125.05	0.02	**23201**	**0.81**	**179.97**	38.34	13.90	0.0134	**12.53**	125.05	0.10
23311	**1.63**	**-6.45**	2.40	0.00	0.0134	**-4.66**	125.05	0.04	**23301**	**0.81**	**-33.57**	5.45	0.00	0.0134	**-28.72**	125.05	0.23
23311	**1.63**	**72.27**	12.74	0.00	0.0134	**65.85**	125.05	0.53	**23301**	**0.81**	**183.95**	39.25	14.82	0.0134	**156.36**	125.05	1.25
23311	**1.63**	**-5.5**	2.40	0.00	0.0134	**-56.28**	125.05	0.45	**23301**	**0.81**	**-18.58**	2.94	0.00	0.0134	**-136.48**	125.05	1.09
23311	**1.63**	**99.57**	18.94	0.00	0.0134	**5.87**	125.05	0.05	**23301**	**0.81**	**210.72**	45.41	20.97	0.0134	**34.33**	125.05	0.27
23311	**1.63**	**-24.33**	3.89	0.00	0.0134	**-77.37**	125.05	0.62	**23301**	**0.81**	**-88.45**	16.27	0.00	0.0134	**-179.53**	125.05	1.44
23311	**1.63**	**35.03**	5.70	0.00	0.0134	**-6.23**	125.05	0.05	**23301**	**0.81**	**82.02**	14.82	0.00	0.0134	**10.99**	125.05	0.09
23411	**1.63**	**-20.41**	3.24	0.00	0.0134	**-1.06**	125.05	0.01	**23401**	**0.81**	**-40.5**	6.66	0.00	0.0134	**-19.61**	125.05	0.16
23411	**1.63**	**33.98**	5.52	0.00	0.0101	**26.62**	113.78	0.23	**23401**	**0.81**	**75.69**	13.46	0.00	0.0101	**64.85**	113.78	0.57
23411	**1.63**	**-5.47**	2.40	0.00	0.0134	**-14.54**	125.05	0.12	**23401**	**0.81**	**-22.06**	3.51	0.00	0.0134	**-44.44**	125.05	0.36
23411	**1.63**	**29.35**	4.73	0.00	0.0134	**6.91**	125.05	0.06	**23401**	**0.81**	**61.19**	10.51	0.00	0.0134	**23.3**	125.05	0.19
23411	**1.63**	**-4.53**	2.40	0.00	0.0134	**-36.71**	125.05	0.29	**23401**	**0.81**	**-42.78**	7.07	0.00	0.0134	**-88.61**	125.05	0.71
23411	**1.63**	**2.8**	2.40	0.00	0.0134	**-4.11**	125.05	0.03	**23401**	**0.81**	**37.32**	6.10	0.00	0.0134	**1.09**	125.05	0.01
23121	**1.63**	**-4.51**	2.40	0.00	0.0134	**8.99**	125.05	0.07	**23501**	**0.81**	**-29.32**	4.72	0.00	0.0134	**0.85**	125.05	0.01
23121	**1.63**	**4.58**	2.40	0.00	0.0134	**88.07**	125.05	0.70	**23501**	**0.81**	**38.69**	6.34	0.00	0.0134	**170.22**	125.05	1.36
23121	**1.63**	**3.92**	2.40	0.00	0.0134	**-31.81**	125.05	0.25	**23501**	**0.81**	**-1.46**	2.40	0.00	0.0134	**-81.21**	125.05	0.65
23121	**1.63**	**70.72**	12.42	0.00	0.0134	**17.42**	125.05	0.14	**23501**	**0.81**	**158.85**	33.48	9.04	0.0134	**40.35**	125.05	0.32
23121	**1.63**	**-5.41**	2.40	0.00	0.0134	**-51.24**	125.05	0.41	**23501**	**0.81**	**-24.02**	3.83	0.00	0.0134	**-122.75**	125.05	0.98
23121	**1.63**	**44.49**	7.38	0.00	0.0134	**3.66**	125.05	0.03	**23501**	**0.81**	**80.84**	14.57	0.00	0.0134	**15.52**	125.05	0.12
23221	**1.63**	**-6.16**	2.40	0.00	0.0134	**-3.95**	125.05	0.03	**23601**	**0.81**	**-49.45**	8.28	0.00	0.0134	**-11.95**	125.05	0.10
23221	**1.63**	**46.21**	7.69	0.00	0.0134	**80.85**	125.05	0.65	**23601**	**0.81**	**110.87**	21.91	0.00	0.0134	**180.18**	125.05	1.44
23221	**1.63**	**5.47**	2.40	0.00	0.0134	**-40.58**	125.05	0.32	**23601**	**0.81**	**5.38**	2.40	0.00	0.0134	**-124.51**	125.05	1.00
23221	**1.63**	**108.28**	21.20	0.00	0.0134	**59.92**	125.05	0.48	**23601**	**0.81**	**210.07**	45.26	20.82	0.0134	**137.14**	125.05	1.10
23221	**1.63**	**-7.11**	2.40	0.00	0.0134	**-63.85**	125.05	0.51	**23601**	**0.81**	**-60.49**	10.38	0.00	0.0134	**-171.04**	125.05	1.37
23221	**1.63**	**69.12**	12.09	0.00	0.0134	**6.05**	125.05	0.05	**23601**	**0.81**	**138.17**	28.72	4.29	0.0134	**15.64**	125.05	0.13
23321	**1.63**	**-4.1**	2.40	0.00	0.0134	**-8.94**	125.05	0.07	**23701**	**0.81**	**-34.78**	5.66	0.00	0.0134	**-24.16**	125.05	0.19
23321	**1.63**	**69.74**	12.22	0.00	0.0134	**71.72**	125.05	0.57	**23701**	**0.81**	**138.53**	28.81	4.37	0.0134	**132.94**	125.05	1.06
23321	**1.63**	**-0.85**	2.40	0.00	0.0134	**-49.76**	125.05	0.40	**23701**	**0.81**	**-14.6**	2.40	0.00	0.0134	**-122.67**	125.05	0.98
23321	**1.63**	**92.02**	17.10	0.00	0.0134	**3.75**	125.05	0.03	**23701**	**0.81**	**175.6**	37.33	12.90	0.0134	**37.28**	125.05	0.30
23321	**1.63**	**-16.72**	2.63	0.00	0.0134	**-70.69**	125.05	0.57	**23701**	**0.81**	**-79.23**	14.22	0.00	0.0134	**-165.71**	125.05	1.33
23321	**1.63**	**34.04**	5.53	0.00	0.0134	**-8.51**	125.05	0.07	**23701**	**0.81**	**87.27**	16.00	0.00	0.0134	**13.94**	125.05	0.11
23421	**1.63**	**-14.66**	2.40	0.00	0.0134	**-1.43**	125.05	0.01	**23801**	**0.81**	**-28.69**	4.62	0.00	0.0134	**-10.88**	125.05	0.09
23421	**1.63**	**33.31**	5.41	0.00	0.0134	**24.67**	125.05	0.20	**23801**	**0.81**	**73.1**	12.92	0.00	0.0134	**65.58**	125.05	0.52
23421	**1.63**	**-1.65**	2.40	0.00	0.0134	**-15.18**	125.05	0.12	**23801**	**0.81**	**-17.54**	2.77	0.00	0.0134	**-35.72**	125.05	0.29
23421	**1.63**	**28.07**	4.51	0.00	0.0134	**5.23**	125.05	0.04	**23801**	**0.81**	**63.82**	11.03	0.00	0.0134	**24.04**	125.05	0.19
23421	**1.63**	**-2.77**	2.40	0.00	0.0134	**-37.35**	125.05	0.30	**23801**	**0.81**	**-43.21**	7.15	0.00	0.0134	**-79.89**	125.05	0.64

23421	**1.63**	**0.96**	2.40	0.00	0.0134	**-5.8**	125.05	0.05	**23801**	**0.81**	**39.61**	6.51	0.00	0.0134	**1.83**	125.05	0.01
23131	**1.63**	**-6.37**	2.40	0.00	0.0134	**9.85**	125.05	0.08			-88.45						
23131	**1.63**	**6.07**	2.40	0.00	0.0134	**84.82**	125.05	0.68									
23131	**1.63**	**4.9**	2.40	0.00	0.0134	**-34.92**	125.05	0.28									
23131	**1.63**	**64.97**	11.26	0.00	0.0134	**18.57**	125.05	0.15									
23131	**1.63**	**-3.37**	2.40	0.00	0.0134	**-54.25**	125.05	0.43									
23131	**1.63**	**46.9**	7.82	0.00	0.0134	**4.71**	125.05	0.04									
23231	**1.63**	**-4.28**	2.40	0.00	0.0134	**-3.15**	125.05	0.03									
23231	**1.63**	**48.38**	8.09	0.00	0.0134	**80.85**	125.05	0.65									
23231	**1.63**	**5.92**	2.40	0.00	0.0134	**-38.06**	125.05	0.30									
23231	**1.63**	**96.77**	18.24	0.00	0.0134	**58.21**	125.05	0.47									
23231	**1.63**	**-10.2**	2.40	0.00	0.0134	**-63.09**	125.05	0.50									
23231	**1.63**	**75.39**	13.40	0.00	0.0134	**5.8**	125.05	0.05									
23331	**1.63**	**-4.14**	2.40	0.00	0.0134	**-8.7**	125.05	0.07									
23331	**1.63**	**75.77**	13.48	0.00	0.0134	**73.77**	125.05	0.59									
23331	**1.63**	**1.42**	2.40	0.00	0.0134	**-47.53**	125.05	0.38									
23331	**1.63**	**81.4**	14.69	0.00	0.0134	**2.93**	125.05	0.02									
23331	**1.63**	**-12.43**	2.40	0.00	0.0134	**-68.41**	125.05	0.55									
23331	**1.63**	**39.8**	6.54	0.00	0.0134	**-9.39**	125.05	0.08									
23431	**1.63**	**-9.69**	2.40	0.00	0.0134	**-2.48**	125.05	0.02									
23431	**1.63**	**36.76**	6.01	0.00	0.0134	**22.62**	125.05	0.18									
23431	**1.63**	**1.02**	2.40	0.00	0.0134	**-16.34**	125.05	0.13									
23431	**1.63**	**30.15**	4.87	0.00	0.0134	**3.29**	125.05	0.03									
23431	**1.63**	**-2.31**	2.40	0.00	0.0134	**-38.49**	125.05	0.31									
23431	**1.63**	**0.96**	2.40	0.00	0.0134	**-7.74**	125.05	0.06									
23141	**1.63**	**-3.78**	2.40	0.00	0.0134	**10.01**	125.05	0.08									
23141	**1.63**	**2.98**	2.40	0.00	0.0134	**84.46**	125.05	0.68									
23141	**1.63**	**5.33**	2.40	0.00	0.0134	**-35.38**	125.05	0.28									
23141	**1.63**	**67.02**	11.67	0.00	0.0134	**16.72**	125.05	0.13									
23141	**1.63**	**-2.68**	2.40	0.00	0.0134	**-54.66**	125.05	0.44									
23141	**1.63**	**38.42**	6.30	0.00	0.0134	**2.82**	125.05	0.02									
23241	**1.63**	**-3.58**	2.40	0.00	0.0134	**1.28**	125.05	0.01									
23241	**1.63**	**40.41**	6.65	0.00	0.0134	**79.61**	125.05	0.64									
23241	**1.63**	**6.24**	2.40	0.00	0.0134	**-39.14**	125.05	0.31									
23241	**1.63**	**98.37**	18.64	0.00	0.0134	**58.69**	125.05	0.47									
23241	**1.63**	**-10.67**	2.40	0.00	0.0134	**-62.47**	125.05	0.50									
23241	**1.63**	**62.01**	10.67	0.00	0.0134	**2.95**	125.05	0.02									
23341	**1.63**	**-5.18**	2.40	0.00	0.0134	**-4.68**	125.05	0.04									
23341	**1.63**	**61.94**	10.66	0.00	0.0134	**72.56**	125.05	0.58									
23341	**1.63**	**0.71**	2.40	0.00	0.0134	**-48.6**	125.05	0.39									
23341	**1.63**	**82.75**	14.99	0.00	0.0134	**2.59**	125.05	0.02									
23341	**1.63**	**-12.15**	2.40	0.00	0.0134	**-69.46**	125.05	0.56									
23341	**1.63**	**36.76**	6.01	0.00	0.0134	**-9.74**	125.05	0.08									
23441	**1.63**	**-8.37**	2.40	0.00	0.0134	**-1.47**	125.05	0.01									
23441	**1.63**	**35.05**	5.71	0.00	0.0134	**22.08**	125.05	0.18									
23441	**1.63**	**1.66**	2.40	0.00	0.0134	**-15.37**	125.05	0.12									
23441	**1.63**	**29.64**	4.78	0.00	0.0134	**2.8**	125.05	0.02									
23441	**1.63**	**-2.77**	2.40	0.00	0.0134	**-37.52**	125.05	0.30									
23441	**1.63**	**1.03**	2.40	0.00	0.0134	**-8.25**	125.05	0.07									
23151	**1.63**	**-6.19**	2.40	0.00	0.0134	**10.12**	125.05	0.08									
23151	**1.63**	**5.03**	2.40	0.00	0.0134	**84.6**	125.05	0.68									
23151	**1.63**	**5.54**	2.40	0.00	0.0134	**-35.27**	125.05	0.28									
23151	**1.63**	**64.76**	11.22	0.00	0.0134	**16.97**	125.05	0.14									
23151	**1.63**	**-2.33**	2.40	0.00	0.0134	**-54.54**	125.05	0.44									
23151	**1.63**	**43.52**	7.20	0.00	0.0134	**3.04**	125.05	0.02									
23251	**1.63**	**-3.2**	2.40	0.00	0.0134	**-3.15**	125.05	0.03									
23251	**1.63**	**45.84**	7.62	0.00	0.0134	**81.01**	125.05	0.65									
23251	**1.63**	**6.49**	2.40	0.00	0.0134	**-37.67**	125.05	0.30									
23251	**1.63**	**96.25**	18.12	0.00	0.0134	**58.08**	125.05	0.46									
23251	**1.63**	**-10.18**	2.40	0.00	0.0134	**-63.01**	125.05	0.50									
23251	**1.63**	**69.13**	12.10	0.00	0.0134	**5.89**	125.05	0.05									
23351	**1.63**	**-3.88**	2.40	0.00	0.0134	**-8.72**	125.05	0.07									

23351	**1.63**	**69.75**	12.22	0.00	0.0134	**73.7**	125 05	0.59
23351	**1.63**	**1.67**	2.40	0.00	0.0134	**-47.39**	125 05	0.38
23351	**1.63**	**80.91**	14.58	0.00	0.0134	**2.34**	125.05	0.02
23351	**1.63**	**-11.51**	2.40	0.00	0.0134	**-68.25**	125.05	0.55
23351	**1.63**	**33.35**	5.41	0.00	0.0134	**-10**	125.05	0.08
23451	**1.63**	**-7.84**	2.40	0.00	0.0134	**-0.9**	125.05	0.01
23451	**1.63**	**31.9**	5.16	0.00	0.0134	**21.84**	125.05	0.17
23451	**1.63**	**1.92**	2.40	0.00	0.0134	**-14.82**	125.05	0.12
23451	**1.63**	**28.19**	4.53	0.00	0.0134	**2.57**	125.05	0.02
23451	**1.63**	**-2.84**	2.40	0.00	0.0134	**-36.97**	125.05	0.30
23451	**1.63**	**0.97**	2.40	0.00	0.0134	**-8.48**	125.05	0.07
23161	**1.63**	**-6.1**	2.40	0.00	0.0134	**10.01**	125.05	0.08
23161	**1.63**	**4.86**	2.40	0.00	0.0134	**84.72**	125.05	0.68
23161	**1.63**	**5.42**	2.40	0.00	0.0134	**-35.12**	125 05	0.28
23161	**1.63**	**64.99**	11.26	0.00	0.0134	**16.99**	125.05	0.14
23161	**1.63**	**-2.47**	2.40	0.00	0.0134	**-54.4**	125.05	0.44
23161	**1.63**	**43.46**	7.19	0.00	0.0134	**3.08**	125 05	0.02
23261	**1.63**	**-3.39**	2.40	0.00	0.0134	**-3.42**	125 05	0.03
23261	**1.63**	**45.82**	7.62	0.00	0.0134	**81.1**	125 05	0.65
23261	**1.63**	**6.44**	2.40	0.00	0.0134	**-37.66**	125.05	0.30
23261	**1.63**	**97.35**	18.38	0.00	0.0134	**58.11**	125.05	0.46
23261	**1.63**	**-9.75**	2.40	0.00	0.0134	**-63.06**	125.05	0.50
23261	**1.63**	**68.37**	11.94	0.00	0.0134	**5.96**	125.05	0.05
23361	**1.63**	**-3.93**	2.40	0.00	0.0134	**-8.83**	125.05	0.07
23361	**1.63**	**69.02**	12.07	0.00	0.0134	**73.77**	125.05	0.59
23361	**1.63**	**1.74**	2.40	0.00	0.0134	**-47.4**	125.05	0.38
23361	**1.63**	**81.99**	14.82	0.00	0.0134	**2.53**	125.05	0.02
23361	**1.63**	**-11.33**	2.40	0.00	0.0134	**-68.26**	125.05	0.55
23361	**1.63**	**32.12**	5.20	0.00	0.0134	**-9.8**	125.05	0.08
23461	**1.63**	**-8**	2.40	0.00	0.0134	**-0.82**	125.05	0.01
23461	**1.63**	**31.46**	5.09	0.00	0.0134	**21.93**	125.05	0.18
23461	**1.63**	**1.85**	2.40	0.00	0.0134	**-14.73**	125.05	0.12
23461	**1.63**	**26.8**	4.30	0.00	0.0134	**2.64**	125.05	0.02
23461	**1.63**	**-3.08**	2.40	0.00	0.0134	**-36.87**	125.05	0.29
23461	**1.63**	**0.91**	2.40	0.00	0.0134	**-8.4**	125 05	0.07
23171	**1.63**	**-3.73**	2.40	0.00	0.0134	**9.54**	125.05	0.08
23171	**1.63**	**2.89**	2.40	0.00	0.0134	**84.86**	125.05	0.68
23171	**1.63**	**4.78**	2.40	0.00	0.0134	**-34.88**	125.05	0.28
23171	**1.63**	**67.66**	11.80	0.00	0.0134	**15.82**	125.05	0.13
23171	**1.63**	**-3.85**	2.40	0.00	0.0134	**-54.21**	125.05	0.43
23171	**1.63**	**35.39**	5.77	0.00	0.0134	**1.96**	125 05	0.02
23271	**1.63**	**-4.69**	2.40	0.00	0.0134	**0.96**	125.05	0.01
23271	**1.63**	**36.85**	6.02	0.00	0.0134	**79.72**	125 05	0.64
23271	**1.63**	**6.15**	2.40	0.00	0.0134	**-39.45**	125.05	0.32
23271	**1.63**	**100.15**	19.08	0.00	0.0134	**58.85**	125 05	0.47
23271	**1.63**	**-10.13**	2.40	0.00	0.0134	**-62.72**	125.05	0.50
23271	**1.63**	**58.05**	9.90	0.00	0.0134	**2.99**	125 05	0.02
23371	**1.63**	**-5.29**	2.40	0.00	0.0134	**-4.74**	125.05	0.04
23371	**1.63**	**58.19**	9.93	0.00	0.0134	**72.52**	125.05	0.58
23371	**1.63**	**0.47**	2.40	0.00	0.0134	**-48.79**	125.05	0.39
23371	**1.63**	**84.45**	15.36	0.00	0.0134	**3.02**	125.05	0.02
23371	**1.63**	**-12.62**	2.40	0.00	0.0134	**-69.66**	125.05	0.56
23371	**1.63**	**31.34**	5.07	0.00	0.0134	**-9.3**	125.05	0.07
23471	**1.63**	**-9.34**	2.40	0.00	0.0134	**-0.44**	125 05	0.00
23471	**1.63**	**31.61**	5.11	0.00	0.0134	**22.46**	125.05	0.18
23471	**1.63**	**1.17**	2.40	0.00	0.0134	**-14.3**	125 05	0.11
23471	**1.63**	**27.33**	4.39	0.00	0.0134	**3.13**	125 05	0.03
23471	**1.63**	**-2.38**	2.40	0.00	0.0134	**-36.46**	125 05	0.29
23471	**1.63**	**0.95**	2.40	0.00	0.0134	**-7.9**	125.05	0.06
23181	**1.63**	**-6.24**	2.40	0.00	0.0134	**9.02**	125.05	0.07
23181	**1.63**	**6.24**	2.40	0.00	0.0134	**85.68**	125.05	0.69
23181	**1.63**	**3.78**	2.40	0.00	0.0134	**-34.2**	125.05	0.27

23181	**1.63**	**66.24**	11.51	0.00	0.0134	**16.64**	125.05	0.13
23181	**1.63**	**-5.51**	2.40	0.00	0.0134	**-53.64**	125.05	0.43
23181	**1.63**	**44.51**	7.38	0.00	0.0134	**2.88**	125.05	0.02
23281	**1.63**	**-6.34**	2.40	0.00	0.0134	**-3.27**	125.05	0.03
23281	**1.63**	**45.6**	7.58	0.00	0.0134	**80.39**	125.05	0.64
23281	**1.63**	**5.5**	2.40	0.00	0.0134	**-38.75**	125.05	0.31
23281	**1.63**	**99.58**	18.94	0.00	0.0134	**58.69**	125.05	0.47
23281	**1.63**	**-9.6**	2.40	0.00	0.0134	**-62.89**	125.05	0.50
23281	**1.63**	**64.44**	11.15	0.00	0.0134	**4.4**	125.05	0.04
23381	**1.63**	**-4.3**	2.40	0.00	0.0134	**-7.19**	125.05	0.06
23381	**1.63**	**64.8**	11.23	0.00	0.0134	**73.46**	125.05	0.59
23381	**1.63**	**0.72**	2.40	0.00	0.0134	**-48.02**	125.05	0.38
23381	**1.63**	**84.03**	15.27	0.00	0.0134	**3.81**	125.05	0.03
23381	**1.63**	**-14.45**	2.40	0.00	0.0134	**-68.95**	125.05	0.55
23381	**1.63**	**33.12**	5.37	0.00	0.0134	**-8.45**	125.05	0.07
23481	**1.63**	**-12.52**	2.40	0.00	0.0134	**0.53**	125.05	0.00
23481	**1.63**	**30.1**	4.86	0.00	0.0134	**23.99**	125.05	0.19
23481	**1.63**	**-0.28**	2.40	0.00	0.0134	**-13.23**	125.05	0.11
23481	**1.63**	**26.98**	4.33	0.00	0.0134	**4.56**	125.05	0.04
23481	**1.63**	**-2.3**	2.40	0.00	0.0134	**-35.39**	125.05	0.28
23481	**1.63**	**1.05**	2.40	0.00	0.0134	**-6.47**	125.05	0.05
23191	**1.63**	**-3.91**	2.40	0.00	0.0134	**8.96**	125.05	0.07
23191	**1.63**	**6.75**	2.40	0.00	0.0134	**85.74**	125.05	0.69
23191	**1.63**	**2.3**	2.40	0.00	0.0134	**-33.64**	125.05	0.27
23191	**1.63**	**70.01**	12.28	0.00	0.0134	**18.09**	125.05	0.14
23191	**1.63**	**-7.07**	2.40	0.00	0.0134	**-53.35**	125.05	0.43
23191	**1.63**	**47.14**	7.86	0.00	0.0134	**4.61**	125.05	0.04
23291	**1.63**	**-9.65**	2.40	0.00	0.0134	**-5.48**	125.05	0.04
23291	**1.63**	**49.45**	8.28	0.00	0.0134	**80.22**	125.05	0.64
23291	**1.63**	**4.35**	2.40	0.00	0.0134	**-42.07**	125.05	0.34
23291	**1.63**	**97.92**	18.53	0.00	0.0134	**59.13**	125.05	0.47
23291	**1.63**	**-11.48**	2.40	0.00	0.0134	**-65.34**	125.05	0.52
23291	**1.63**	**73.9**	13.08	0.00	0.0134	**6.91**	125.05	0.06
23391	**1.63**	**-6.47**	2.40	0.00	0.0134	**-10.03**	125.05	0.08
23391	**1.63**	**74.47**	13.20	0.00	0.0134	**73.14**	125.05	0.58
23391	**1.63**	**-3.35**	2.40	0.00	0.0134	**-48.99**	125.05	0.39
23391	**1.63**	**81.79**	14.77	0.00	0.0134	**5.87**	125.05	0.05
23391	**1.63**	**-20**	3.17	0.00	0.0134	**-70.08**	125.05	0.56
23391	**1.63**	**37.79**	6.19	0.00	0.0134	**-6.23**	125.05	0.05
23491	**1.63**	**-16.71**	2.63	0.00	0.0134	**-2.21**	125.05	0.02
23491	**1.63**	**35.69**	5.82	0.00	0.0134	**25.09**	125.05	0.20
23491	**1.63**	**-3.53**	2.40	0.00	0.0134	**-15.69**	125.05	0.13
23491	**1.63**	**29.74**	4.80	0.00	0.0134	**5.39**	125.05	0.04
23491	**1.63**	**-4.35**	2.40	0.00	0.0134	**-37.86**	125.05	0.30
23491	**1.63**	**2.82**	2.40	0.00	0.0134	**-5.64**	125.05	0.05
		-24.33						

7. PILAS

7 PILAS

El dimensionamiento de la pila central se lleva a cabo a partir de los esfuerzos determinados con el modelo de emparrillado descrito anteriormente. Este modelo proporciona directamente los esfuerzos que aparecen en el dintel y en la sección de empotramiento de la pila.

Para el dimensionamiento de fuste, se tienen en cuenta los efectos de segundo orden mediante el m,todo de la excentricidad adicional, de acuerdo con la Instrucción EHE.

A continuación se incluye el listado de esfuerzos de STATIK2, una hoja de cálculo con los esfuerzos para el dimensionamiento y la comprobación del armado de acuerdo con el programa FAGUS2.

```
.ID Envolv.   DH
.SK 4
.TP 20
ENVOLVENTE:              DH   'Env. ELU dim Pila'              Ejec.  "PILA"
=============================================================================
Grupo Espe. Hip¢tesis       Factor Etapa  T¡tulo

  A    PERM.     1            1.000        Peso propio vigas
       Y         2            1.000        Peso propio losa
       Y         3            1.000        carga muerta
  B    O         1            1.350        Peso propio vigas
       Y         2            1.350        Peso propio losa
       Y         3            2.030        carga muerta
  C    MAS       4            1.500        sc repartida mitad d vano1
  D    MAS       5            1.500        sobrecarga vano 1 i
  E    MAS      27            1.500        sc repartida mitad d vano2
  F    MAS      28            1.500        sobrecarga vano 2 i
  G    MAS      29            1.500        sc repartida mitad d vano3
  H    MAS      30            1.500        sobrecarga vano 3 i
  I    MAS      31            1.500        sc repartida mitad d vano4
  J    MAS      32            1.500        sobrecarga vano 4 i
  K    MAS      33            1.500        sc repartida mitad d vano5
  L    MAS      34            1.500        sobrecarga vano 5 i
  M    MAS       6            1.500        Veh¡culo pesado 1 vano 1
  N    O         7            1.500        Veh¡culo pesado 2 vano 1
  O    O         8            1.500        Veh¡culo pesado 3 vano 1
  P    O         9            1.500        Veh¡culo pesado 4 vano 1
  Q    O        10            1.500        Veh¡culo pesado 5 vano 1
  R    O        11            1.500        Veh¡culo pesado 6 vano 1
  S    O        12            1.500        Veh¡culo pesado 7 vano 1
  T    O        13            1.500        Veh¡culo pesado 8 vano 1
  U    O        14            1.500        Veh¡culo pesado 1 vano 2
  V    O        15            1.500        Veh¡culo pesado 2 vano 2
  W    O        16            1.500        Veh¡culo pesado 3 vano 2
  X    O        17            1.500        Veh¡culo pesado 4 vano 2
  Y    O        18            1.500        Veh¡culo pesado 5 vano 2
  Z    O        19            1.500        Veh¡culo pesado 6 vano 2
 AA    O        20            1.500        Veh¡culo pesado 7 vano 1
 AB    O        21            1.500        Veh¡culo pesado 8 vano 2
 AC    O        35            1.500        Veh¡culo pesado 1 vano 3
 AD    O        36            1.500        Veh¡culo pesado 2 vano 3
 AE    O        37            1.500        Veh¡culo pesado 3 vano 3
 AF    O        39            1.500        Veh¡culo pesado 5 vano 2
 AG    O        40            1.500        Veh¡culo pesado 6 vano 3
 AH    O        41            1.500        Veh¡culo pesado 7 vano 3
 AI    O        42            1.500        Veh¡culo pesado 8 vano 3
 AJ    O        43            1.500        Veh¡culo pesado 1 vano 4
 AK    O        44            1.500        Veh¡culo pesado 2 vano 4
 AL    O        45            1.500        Veh¡culo pesado 3 vano 4
 AM    O        46            1.500        Veh¡culo pesado 4 vano 4
 AN    O        47            1.500        Veh¡culo pesado 5 vano 4
 AO    O        48            1.500        Veh¡culo pesado 6 vano 4
 AP    O        49            1.500        Veh¡culo pesado 7 vano 4
 AQ    O        50            1.500        Veh¡culo pesado 8 vano 4
 AR    O        51            1.500        Veh¡culo pesado 1 vano 5
 AS    O        52            1.500        Veh¡culo pesado 2 vano 5
 AT    O        53            1.500        Veh¡culo pesado 3 vano 5
```

AU	O	54	1.500	Veh¡culo pesado 4 vano 5
AV	O	55	1.500	Veh¡culo pesado 5 vano 5
AW	O	56	1.500	Veh¡culo pesado 6 vano 5
AX	O	57	1.500	Veh¡culo pesado 7 vano 5
AY	O	58	1.500	Veh¡culo pesado 8 vano 5
AZ	MAS	22	0.600000	Reol¢gicas
BA	MAS	23	0.900000	gradiente t,rmico 14 c
BB	MAS	24	0.450000	Viento transversal
BC	MAS	25	1.500	Frenado

ALTERNATIVA PARA ENVOLVENTE:

BD	PERM.	1	1.000	Peso propio vigas
	Y	2	1.000	Peso propio losa
	Y	3	1.000	carga muerta
BE	O	1	1.350	Peso propio vigas
	Y	2	1.350	Peso propio losa
	Y	3	2.030	carga muerta
BF	MAS	4	0.900000	sc repartida mitad d vano1
BG	MAS	5	0.900000	sobrecarga vano 1 i
BH	MAS	27	0.900000	sc repartida mitad d vano2
BI	MAS	28	0.900000	sobrecarga vano 2 i
BJ	MAS	29	0.900000	sc repartida mitad d vano3
BK	MAS	30	0.900000	sobrecarga vano 3 i
BL	MAS	31	0.900000	sc repartida mitad d vano4
BM	MAS	32	0.900000	sobrecarga vano 4 i
BN	MAS	33	0.900000	sc repartida mitad d vano5
BO	MAS	34	0.900000	sobrecarga vano 5 i
BP	MAS	6	0.900000	Veh¡culo pesado 1 vano 1
BQ	O	7	0.900000	Veh¡culo pesado 2 vano 1
BR	O	8	0.900000	Veh¡culo pesado 3 vano 1
BS	O	9	0.900000	Veh¡culo pesado 4 vano 1
BT	O	10	0.900000	Veh¡culo pesado 5 vano 1
BU	O	11	0.900000	Veh¡culo pesado 6 vano 1
BV	O	12	0.900000	Veh¡culo pesado 7 vano 1
BW	O	13	0.900000	Veh¡culo pesado 8 vano 1
BX	O	14	0.900000	Veh¡culo pesado 1 vano 2
BY	O	15	0.900000	Veh¡culo pesado 2 vano 2
BZ	O	16	0.900000	Veh¡culo pesado 3 vano 2
CA	O	17	0.900000	Veh¡culo pesado 4 vano 2
CB	O	18	0.900000	Veh¡culo pesado 5 vano 2
CC	O	19	0.900000	Veh¡culo pesado 6 vano 2
CD	O	20	0.900000	Veh¡culo pesado 7 vano 1
CE	O	21	0.900000	Veh¡culo pesado 8 vano 2
CF	O	35	0.900000	Veh¡culo pesado 1 vano 3
CG	O	36	0.900000	Veh¡culo pesado 2 vano 3
CH	O	37	0.900000	Veh¡culo pesado 3 vano 3
CI	O	39	0.900000	Veh¡culo pesado 5 vano 2
CJ	O	40	0.900000	Veh¡culo pesado 6 vano 3
CK	O	41	0.900000	Veh¡culo pesado 7 vano 3
CL	O	42	0.900000	Veh¡culo pesado 8 vano 3
CM	O	43	0.900000	Veh¡culo pesado 1 vano 4
CN	O	44	0.900000	Veh¡culo pesado 2 vano 4
CO	O	45	0.900000	Veh¡culo pesado 3 vano 4
CP	O	46	0.900000	Veh¡culo pesado 4 vano 4
CQ	O	47	0.900000	Veh¡culo pesado 5 vano 4
CR	O	48	0.900000	Veh¡culo pesado 6 vano 4
CS	O	49	0.900000	Veh¡culo pesado 7 vano 4
CT	O	50	0.900000	Veh¡culo pesado 8 vano 4
CU	O	51	0.900000	Veh¡culo pesado 1 vano 5
CV	O	52	0.900000	Veh¡culo pesado 2 vano 5
CW	O	53	0.900000	Veh¡culo pesado 3 vano 5
CX	O	54	0.900000	Veh¡culo pesado 4 vano 5
CY	O	55	0.900000	Veh¡culo pesado 5 vano 5
CZ	O	56	0.900000	Veh¡culo pesado 6 vano 5
DA	O	57	0.900000	Veh¡culo pesado 7 vano 5
DB	O	58	0.900000	Veh¡culo pesado 8 vano 5
DC	MAS	22	0.600000	Reol¢gicas
DD	MAS	23	0.900000	gradiente t,rmico 14 c
DE	MAS	24	1.500	Viento transversal
DF	MAS	25	0.900000	Frenado
DG	MAS	26	0.900000	Temperatura uniforme

ALTERNATIVA PARA ENVOLVENTE:

DH	PERM.	1	1.000	Peso propio vigas
	Y	2	1.000	Peso propio losa
	Y	3	1.000	carga muerta
DI	O	1	1.350	Peso propio vigas
	Y	2	1.350	Peso propio losa
	Y	3	2.030	carga muerta
DJ	MAS	4	0.900000	sc repartida mitad d vano1
DK	MAS	5	0.900000	sobrecarga vano 1 i
DL	MAS	27	0.900000	sc repartida mitad d vano2
DM	MAS	28	0.900000	sobrecarga vano 2 i
DN	MAS	29	0.900000	sc repartida mitad d vano3
DO	MAS	30	0.900000	sobrecarga vano 3 i
DP	MAS	31	0.900000	sc repartida mitad d vano4
DQ	MAS	32	0.900000	sobrecarga vano 4 i
DR	MAS	33	0.900000	sc repartida mitad d vano5
DS	MAS	34	0.900000	sobrecarga vano 5 i
DT	MAS	6	0.900000	Veh¡culo pesado 1 vano 1
DU	O	7	0.900000	Veh¡culo pesado 2 vano 1
DV	O	8	0.900000	Veh¡culo pesado 3 vano 1
DW	O	9	0.900000	Veh¡culo pesado 4 vano 1
DX	O	10	0.900000	Veh¡culo pesado 5 vano 1
DY	O	11	0.900000	Veh¡culo pesado 6 vano 1
DZ	O	12	0.900000	Veh¡culo pesado 7 vano 1
EA	O	13	0.900000	Veh¡culo pesado 8 vano 1
EB	O	14	0.900000	Veh¡culo pesado 1 vano 2
EC	O	15	0.900000	Veh¡culo pesado 2 vano 2
ED	O	16	0.900000	Veh¡culo pesado 3 vano 2
EE	O	17	0.900000	Veh¡culo pesado 4 vano 2
EF	O	18	0.900000	Veh¡culo pesado 5 vano 2
EG	O	19	0.900000	Veh¡culo pesado 6 vano 2
EH	O	20	0.900000	Veh¡culo pesado 7 vano 1
EI	O	21	0.900000	Veh¡culo pesado 8 vano 2
EJ	O	35	0.900000	Veh¡culo pesado 1 vano 3
EK	O	36	0.900000	Veh¡culo pesado 2 vano 3
EL	O	37	0.900000	Veh¡culo pesado 3 vano 3
EM	O	39	0.900000	Veh¡culo pesado 5 vano 2
EN	O	40	0.900000	Veh¡culo pesado 6 vano 3
EO	O	41	0.900000	Veh¡culo pesado 7 vano 3
EP	O	42	0.900000	Veh¡culo pesado 8 vano 3
EQ	O	43	0.900000	Veh¡culo pesado 1 vano 4
ER	O	44	0.900000	Veh¡culo pesado 2 vano 4
ES	O	45	0.900000	Veh¡culo pesado 3 vano 4
ET	O	46	0.900000	Veh¡culo pesado 4 vano 4
EU	O	47	0.900000	Veh¡culo pesado 5 vano 4
EV	O	48	0.900000	Veh¡culo pesado 6 vano 4

EW	O	49	0.900000	Veh¡culo pesado 7 vano 4
EX	O	50	0.900000	Veh¡culo pesado 8 vano 4
EY	O	51	0.900000	Veh¡culo pesado 1 vano 5
EZ	O	52	0.900000	Veh¡culo pesado 2 vano 5
FA	O	53	0.900000	Veh¡culo pesado 3 vano 5
FB	O	54	0.900000	Veh¡culo pesado 4 vano 5
FC	O	55	0.900000	Veh¡culo pesado 5 vano 5
FD	O	56	0.900000	Veh¡culo pesado 6 vano 5
FE	O	57	0.900000	Veh¡culo pesado 7 vano 5
FF	O	58	0.900000	Veh¡culo pesado 8 vano 5
FG	MAS	22	0.600000	Reol¢gicas
FH	MAS	23	1.500	gradiente t,rmico 14 c
FI	MAS	24	0.900000	Viento transversal
FJ	MAS	25	0.900000	Frenado
FK	MAS	26	1.500	Temperatura uniforme

.ID GWS3MX,STATIK2,1.58
.UN M,KN
.EL !LPILA.001
.SK 3
.TP 12
.TK 6
ENVOLVENTE para < Mx > (y valores concomitantes)
(1. l¡nea: MIN., 2. l¡nea: MAX.)

Barra	Distancia [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
11203	0	-17.582	-0.034663	-145.598	10.276	-0.000874	16.942
		-1.419	6.921	-450.189	86.665	-0.002701	-0.578163
.							
11203	0.150	-17.582	-0.034663	-145.598	10.276	-21.840	16.937
		-1.419	6.921	-450.189	86.665	-67.528	0.459894
.							
11203	0.300	-17.582	-0.034663	-145.598	10.276	-43.678	16.932
		-1.419	6.921	-450.189	86.665	-135.054	1.498
.							
.							
11204	0	9.603	-6.920	-412.098	-82.704	-0.002473	10.557
		3.815	0.035015	-159.245	-10.378	-0.000955	5.186
.							
11204	0.150	9.603	-6.920	-412.098	-82.704	-61.815	9.519
		3.815	0.035015	-159.245	-10.378	-23.887	5.192
.							
11204	0.300	9.603	-6.920	-412.098	-82.704	-123.627	-8.481
		3.815	0.035015	-159.245	-10.378	-47.773	5.197
.							
.							
11208	0	-1198.519	433.131	28.493	-13.262	-156.800	-1526.761
		-1714.792	647.320	12.358	42.486	233.993	-2238.561
.							
11208	2.250	-1198.519	433.131	28.493	-13.262	-92.693	-552.256
		-1714.792	647.320	12.358	42.486	261.797	-782.148
.							
11208	4.500	-1198.519	433.131	28.493	-13.262	-28.586	422.249
		-1714.792	647.320	12.358	42.486	289.601	674.265
.							
.							
11209	0	-1073.135	-461.236	57.330	-26.365	37.817	1513.741
		-735.594	-283.044	5.881	17.939	-1.040	927.776
.							
11209	2.250	-1073.135	-461.236	57.330	-26.365	166.805	476.001
		-735.594	-283.044	5.881	17.939	12.191	290.952
.							
11209	4.500	-1073.135	-461.236	57.330	-26.365	295.792	-561.738
		-735.594	-283.044	5.881	17.939	25.422	-345.872
.							
.							
11210	0	-974.275	133.458	50.531	-4.978	280.820	-117.190
		-639.189	126.366	11.398	8.848	-62.670	-171.013
.							
11210	2.250	-974.275	133.458	50.531	-4.978	394.511	183.079
		-639.189	126.366	11.398	8.848	-37.026	113.299
.							
11210	4.500	-974.275	133.458	50.531	-4.978	508.203	483.348
		-639.189	126.366	11.398	8.848	-11.382	397.612
.							
.							
11211	0	-681.839	-81.950	4.059	-3.609	-21.739	117.846
		-1119.227	-108.729	52.247	9.709	295.206	63.394
.							
11211	2.250	-681.839	-81.950	4.059	-3.609	-12.605	-66.535
		-1119.227	-108.729	52.247	9.709	412.757	-181.236
.							
11211	4.500	-681.839	-81.950	4.059	-3.609	-3.472	-250.916
		-1119.227	-108.729	52.247	9.709	530.309	-425.866
.							
.							
11259	0	-18.787	1.082	-88.030	-7.980	230.709	10.415
		-42.662	0.675768	22.892	3.465	31.025	44.334
.							
11259	2.000	-18.787	1.082	-88.030	-7.980	54.656	12.578
		-42.662	0.675768	22.892	3.465	76.806	45.685
.							
11259	4.000	-18.787	1.082	-88.030	-7.980	-121.397	14.742
		-42.662	0.675768	22.892	3.465	122.588	47.037
.							
.							
11260	0	-19.544	-103.886	-1798.299	-1036.173	1500.620	149.528
		26.982	-2.954	-1390.727	107.776	1133.300	-8.978
.							
11260	1.000	-19.544	-103.886	-1798.299	-1036.173	-297.606	45.646
		26.982	-2.954	-1390.727	107.776	-257.371	-11.932
.							
11260	2.000	-19.544	-103.886	-1798.299	-1036.173	-2095.834	-58.236
		26.982	-2.954	-1390.727	107.776	-1648.042	-14.386
.							
.							
11261	0	59.347	-3.516	1116.027	-113.459	-1081.272	9.195
		39.036	99.973	1463.449	1032.872	-1423.771	-44.171
.							
11261	1.000	59.347	-3.516	1116.027	-113.459	34.710	5.679
		39.036	99.973	1463.449	1032.872	39.619	55.798
.							
11261	2.000	59.347	-3.516	1116.027	-113.459	1150.692	2.163
		39.036	99.973	1463.449	1032.872	1503.010	155.767
.							

11270	0	-3180.150	-2.213	161.436	-36.869	1514.054	-75.688
		-2335.684	189.849	0.933826	87.701	-74.872	959.174
11270	0.1000	-3180.150	-2.213	161.436	-36.869	1530.197	-75.909
		-2335.684	189.849	0.933826	87.701	-74.778	978.158
11270	0.200	-3180.150	-2.213	161.436	-36.869	1546.340	-76.130
		-2335.684	189.849	0.933826	87.701	-74.685	997.142
11271	0	-674.230	-27.953	121.237	-39.463	-275.033	226.923
		-489.348	-0.832919	78.894	15.230	-170.258	-48.442
11271	2.462	-674.230	-27.953	121.237	-39.463	23.468	158.100
		-489.348	-0.832919	78.894	15.230	23.988	-50.493
11271	4.924	-674.230	-27.953	121.237	-39.463	321.968	89.277
		-489.348	-0.832919	78.894	15.230	218.234	-52.544
11272	0	-509.256	-12.543	45.280	-16.633	-0.525452	75.497
		-684.775	53.192	76.750	48.779	-48.093	-259.189
11272	2.462	-509.256	-12.543	45.280	-16.633	110.960	44.615
		-684.775	53.192	76.750	48.779	140.873	-128.224
11272	4.924	-509.256	-12.543	45.280	-16.633	222.446	13.734
		-684.775	53.192	76.750	48.779	329.839	2.740
11273	0	-576.949	-30.314	-285.289	-114.524	740.999	-177.340
		-467.740	-0.058037	-220.920	18.791	563.271	23.957
11273	3.010	-576.949	-30.314	-285.289	-114.524	-117.799	-268.594
		-467.740	-0.058037	-220.920	18.791	-101.759	23.782
11273	6.021	-576.949	-30.314	-285.289	-114.524	-976.597	-359.848
		-467.740	-0.058037	-220.920	18.791	-766.789	23.607
11274	0	-522.568	-0.608113	-259.193	-17.872	789.836	-37.153
		-570.636	33.521	-305.411	115.036	866.364	156.007
11274	3.010	-522.568	-0.608113	-259.193	-17.872	9.592	-38.983
		-570.636	33.521	-305.411	115.036	-53.007	256.915
11274	6.021	-522.568	-0.608113	-259.193	-17.872	-770.653	-40.814
		-570.636	33.521	-305.411	115.036	-972.378	357.823
11281	0	-74.507	-30.585	-789.971	-96.841	109.136	17.708
		-62.141	-1.607	-534.617	68.896	57.039	10.222
11281	1.155	-74.507	-30.585	-789.971	-96.841	-803.109	-17.611
		-62.141	-1.607	-534.617	68.896	-560.328	8.366
11281	2.310	-74.507	-30.585	-789.971	-96.841	-1715.355	-52.930
		-62.141	-1.607	-534.617	68.896	-1177.694	6.510

11282	0	-153.002	-60.315	-1957.047	-278.352	-1709.499	-12.501
		-126.798	-4.719	-1318.744	184.033	-1175.913	-0.062742
11282	0.150	-153.002	-60.315	-1957.047	-278.352	-2003.905	-21.574
		-126.798	-4.719	-1318.744	184.033	-1374.297	-0.772711
11282	0.301	-153.002	-60.315	-1957.047	-278.352	-2298.312	-30.648
		-126.798	-4.719	-1318.744	184.033	-1572.681	-1.483
11283	0	621.055	-48.189	-245.459	-42.131	-37.842	24.943
		430.827	24.393	-128.780	22.826	-67.759	-20.490
11283	1.000	621.055	-48.189	-245.459	-42.131	-283.291	-23.244
		430.827	24.393	-128.780	22.826	-196.535	3.902
11283	2.000	621.055	-48.189	-245.459	-42.131	-528.740	-71.431
		430.827	24.393	-128.780	22.826	-325.310	28.294
11284	0	365.030	-16.423	95.155	-17.576	-236.230	20.753
		512.080	32.351	156.213	20.844	-366.111	-50.205
11284	1.000	365.030	-16.423	95.155	-17.576	-141.079	4.331
		512.080	32.351	156.213	20.844	-209.904	-17.855
11284	2.000	365.030	-16.423	95.155	-17.576	-45.928	-12.091
		512.080	32.351	156.213	20.844	-53.698	14.495
11285	0	-75.132	2.237	962.777	-76.552	-1028.300	5.500
		-86.566	60.303	1410.596	114.639	-1694.306	-18.322
11285	0.150	-75.132	2.237	962.777	-76.552	-883.465	5.836
		-86.566	60.303	1410.596	114.639	-1482.104	-9.259
11285	0.301	-75.132	2.237	962.777	-76.552	-738.630	6.173
		-86.566	60.303	1410.596	114.639	-1269.902	-0.178586
11286	0	-31.121	-0.114903	334.615	-18.237	-739.013	2.558
		-40.131	31.739	554.263	34.181	-1245.581	-43.563
11286	1.155	-31.121	-0.114903	334.615	-18.237	-352.606	2.426
		-40.131	31.739	554.263	34.181	-605.528	-6.912
11286	2.310	-31.121	-0.114903	334.615	-18.237	33.802	2.293
		-40.131	31.739	554.263	34.181	34.525	29.740
11303	0	-6.370	0.039373	-160.059	11.498	-0.000960	4.242
		-6.472	7.102	-483.215	88.913	-0.002899	3.630
11303	0.150	-6.370	0.039373	-160.059	11.498	-24.009	4.248
		-6.472	7.102	-483.215	88.913	-72.482	4.695
11303	0.300	-6.370	0.039373	-160.059	11.498	-48.017	4.254

		-6.472	7.102	-483.215	88.913	-144.961	5.760
.							
.							
11304	0	5.834	-7.102	-474.476	-85.888	-0.002847	3.313
		-2.518	-0.108921	-202.046	-11.945	-0.001212	-0.785792
.							
11304	0.150	5.834	-7.102	-474.476	-85.888	-71.171	7.248
		-2.518	-0.108921	-202.046	-11.945	-30.307	-0.802129
.							
11304	0.300	5.834	-7.102	-474.476	-85.888	-142.339	6.183
		-2.518	-0.108921	-202.046	-11.945	-60.613	-0.818467
.							
.							
11308	0	-1299.579	480.189	28.023	-12.253	-149.705	-1679.102
		-1882.394	722.120	-14.987	30.677	251.996	-2486.854
.							
11308	2.250	-1299.579	480.189	28.023	-12.253	-86.655	-598.721
		-1882.394	722.120	-14.987	30.677	218.276	-862.150
.							
11308	4.500	-1299.579	480.189	28.023	-12.253	-23.605	481.661
		-1882.394	722.120	-14.987	30.677	184.557	762.554
.							
.							
11309	0	-1300.917	-553.876	15.420	-18.016	70.351	1820.384
		-828.710	-385.625	15.714	12.403	-9.480	1133.469
.							
11309	2.250	-1300.917	-553.876	15.420	-18.016	105.044	574.213
		-828.710	-385.625	15.714	12.403	25.876	265.848
.							
11309	4.500	-1300.917	-553.876	15.420	-18.016	139.737	-671.958
		-828.710	-385.625	15.714	12.403	61.232	-601.774
.							
.							
11310	0	-1156.201	149.234	22.756	-5.556	167.068	-168.865
		-1174.458	146.013	10.074	6.111	-66.830	-244.297
.							
11310	2.250	-1156.201	149.234	22.756	-5.556	218.268	166.897
		-1174.458	146.013	10.074	6.111	-44.165	84.220
.							
11310	4.500	-1156.201	149.234	22.756	-5.556	269.468	502.660
		-1174.458	146.013	10.074	6.111	-21.500	412.736
.							
.							
11311	0	-738.750	-97.490	3.502	-4.496	-5.321	100.324
		-1375.264	-117.645	20.538	6.758	155.809	169.732
.							
11311	2.250	-738.750	-97.490	3.502	-4.496	2.558	-119.020
		-1375.264	-117.645	20.538	6.758	202.019	-94.959
.							
11311	4.500	-738.750	-97.490	3.502	-4.496	10.436	-338.364
		-1375.264	-117.645	20.538	6.758	248.229	-359.651
.							
.							
11359	0	-24.438	-2.635	-44.917	-5.179	143.506	7.067
		-49.967	2.955	-1.455	3.784	91.193	22.692
.							
11359	2.000	-24.438	-2.635	-44.917	-5.179	53.675	1.798
		-49.967	2.955	-1.455	3.784	88.284	28.602
.							
11359	4.000	-24.438	-2.635	-44.917	-5.179	-36.156	-3.472
		-49.967	2.955	-1.455	3.784	85.374	34.512
.							
.							
11360	0	2.853	-39.315	-1542.652	-564.653	1395.640	75.952
		43.704	-1.513	-2137.604	104.367	1759.986	-9.618
.							
11360	1.000	2.853	-39.315	-1542.652	-564.653	-146.951	36.639
		43.704	-1.513	-2137.604	104.367	-377.533	-11.131
.							
11360	2.000	2.853	-39.315	-1542.652	-564.653	-1689.541	-2.674
		43.704	-1.513	-2137.604	104.367	-2515.052	-12.644
.							
.							
11361	0	76.125	-3.605	1863.501	-109.231	-1949.906	6.284
		36.883	40.877	1155.895	566.121	-883.609	-8.360
.							
11361	1.000	76.125	-3.605	1863.501	-109.231	-86.479	2.679
		36.883	40.877	1155.895	566.121	272.240	32.515
.							
11361	2.000	76.125	-3.605	1863.501	-109.231	1776.948	-0.925889
		36.883	40.877	1155.895	566.121	1428.089	73.390
.							
.							
11370	0	-4452.675	4.961	78.078	-50.487	1037.509	-2139.059
		-3057.976	60.295	1.213	68.036	-119.900	-941.956
.							
11370	0.1000	-4452.675	4.961	78.078	-50.487	1045.316	-2138.563
		-3057.976	60.295	1.213	68.036	-119.779	-935.927
.							
11370	0.200	-4452.675	4.961	78.078	-50.487	1053.124	-2138.067
		-3057.976	60.295	1.213	68.036	-119.658	-929.898
.							
.							
11371	0	-743.691	-14.558	127.853	-32.291	-286.006	166.131
		-529.572	-0.896699	82.601	14.116	-176.311	-47.822
.							
11371	2.462	-743.691	-14.558	127.853	-32.291	28.784	130.289
		-529.572	-0.896699	82.601	14.116	27.063	-50.030
.							
11371	4.924	-743.691	-14.558	127.853	-32.291	343.574	94.446
		-529.572	-0.896699	82.601	14.116	230.437	-52.238
.							
.							
11372	0	-553.881	-11.986	49.321	-16.447	-7.962	72.355
		-757.781	38.039	83.944	39.282	-61.132	-200.244
.							
11372	2.462	-553.881	-11.986	49.321	-16.447	113.472	42.843
		-757.781	38.039	83.944	39.282	145.549	-106.568
.							
11372	4.924	-553.881	-11.986	49.321	-16.447	234.907	13.332
		-757.781	38.039	83.944	39.282	352.230	-12.933
.							
.							
11373	0	-723.167	-11.436	-358.168	-70.687	907.867	-118.661
		-517.799	-0.381335	-245.644	18.095	632.062	26.936
.							
11373	3.010	-723.167	-11.436	-358.168	-70.687	-170.318	-153.086
		-517.799	-0.381335	-245.644	18.095	-107.393	25.788

```
.
11373   6.021  -723.167   -11.436  -358.168   -70.687 -1248.503  -187.512
               -517.799 -0.381335  -245.644    18.095  -846.848    24.640
.
.
11374       0  -572.779 -0.538429  -284.023   -17.334   859.094   -36.443
               -803.244    14.522  -408.901    70.470  1207.619   110.291
.
11374   3.010  -572.779 -0.538429  -284.023   -17.334     4.104   -38.064
               -803.244    14.522  -408.901    70.470   -23.287   154.006
.
11374   6.021  -572.779 -0.538429  -284.023   -17.334  -850.886   -39.685
               -803.244    14.522  -408.901    70.470 -1254.193   197.720
.
.
11381       0   -83.474   -14.732  -882.566  -108.714   111.321  0.268786
               -67.589    -1.795  -593.554    69.136    59.942    10.593
.
11381   1.155   -83.474   -14.732  -882.566  -108.714  -907.851   -16.744
               -67.589    -1.795  -593.554    69.136  -625.485     8.519
.
11381   2.310   -83.474   -14.732  -882.566  -108.714 -1927.024   -33.756
               -67.589    -1.795  -593.554    69.136 -1310.911     6.446
.
.
11382       0  -167.856   -27.570 -2138.962  -295.835 -1922.691   -11.320
               -134.801    -5.258 -1424.237   178.081 -1310.959     2.318
.
11382   0.150  -167.856   -27.570 -2138.962  -295.835 -2244.464   -15.468
               -134.801    -5.258 -1424.237   178.081 -1525.213     1.527
.
11382   0.301  -167.856   -27.570 -2138.962  -295.835 -2566.236   -19.615
               -134.801    -5.258 -1424.237   178.081 -1739.467  0.736445
.
.
11383       0   695.243   -43.564  -257.904   -38.582   -58.580    28.892
               477.677    23.900  -136.012    22.020   -81.093   -20.272
.
11383   1.000   695.243   -43.564  -257.904   -38.582  -316.474   -14.670
               477.677    23.900  -136.012    22.020  -217.099     3.627
.
11383   2.000   695.243   -43.564  -257.904   -38.582  -574.367   -58.233
               477.677    23.900  -136.012    22.020  -353.105    27.526
.
.
11384       0   409.290   -17.831   110.617   -15.553  -270.137    21.045
               583.829    26.856   177.295    19.213  -418.338   -37.453
.
11384   1.000   409.290   -17.831   110.617   -15.553  -159.524     3.215
               583.829    26.856   177.295    19.213  -241.050   -10.599
.
11384   2.000   409.290   -17.831   110.617   -15.553   -48.912   -14.615
               583.829    26.856   177.295    19.213   -63.762    16.256
.
.
11385       0   -84.274     2.404  1084.640   -75.907 -1190.266     4.675
              -101.864    29.284  1605.910   135.432 -1921.822   -16.789
.
11385   0.150   -84.274     2.404  1084.640   -75.907 -1027.099     5.037
              -101.864    29.284  1605.910   135.432 -1680.238   -12.383
.
11385   0.301   -84.274     2.404  1084.640   -75.907  -863.932     5.398
              -101.864    29.284  1605.910   135.432 -1438.655   -7.978
.
.
11386       0   -35.563 -0.310554   384.897   -16.968  -847.309     1.698
               -52.156    15.700   678.399    46.309 -1516.869   -25.542
.
11386   1.155   -35.563 -0.310554   384.897   -16.968  -402.837     1.339
               -52.156    15.700   678.399    46.309  -733.466   -7.413
.
11386   2.310   -35.563 -0.310554   384.897   -16.968    41.635  0.980335
               -52.156    15.700   678.399    46.309    49.938    10.717
.
.
11403       0    -8.142  0.180609  -227.284    11.944 -0.001364     6.780
              0.208043     7.104  -546.545    88.630 -0.003279    -1.332
.
11403   0.150    -8.142  0.180609  -227.284    11.944   -34.092     6.807
              0.208043     7.104  -546.545    88.630   -81.981 -0.266333
.
11403   0.300    -8.142  0.180609  -227.284    11.944   -68.184     6.834
              0.208043     7.104  -546.545    88.630  -163.960  0.799153
.
.
11404       0 -0.967162    -7.104  -412.413   -84.265 -0.002474     3.229
               -1.232 -0.050989  -159.459   -11.517 -0.000957     1.054
.
11404   0.150 -0.967162    -7.104  -412.413   -84.265   -61.862     2.163
               -1.232 -0.050989  -159.459   -11.517   -23.919     1.047
.
11404   0.300 -0.967162    -7.104  -412.413   -84.265  -123.721     1.098
               -1.232 -0.050989  -159.459   -11.517   -47.837     1.039
.
.
11408       0 -1737.692   699.686    22.129   -20.223  -198.311 -2386.366
              -1443.072   505.081   -20.864    22.450   201.811 -1788.467
.
11408   2.250 -1737.692   699.686    22.129   -20.223  -148.523  -812.136
              -1443.072   505.081   -20.864    22.450   154.869  -652.081
.
11408   4.500 -1737.692   699.686    22.129   -20.223   -98.736   762.094
              -1443.072   505.081   -20.864    22.450   107.926   484.306
.
.
11409       0  -838.301  -368.973     3.864   -15.136     8.027  1109.008
              -1268.169  -600.935    12.620    14.599   -64.928  1825.888
.
11409   2.250  -838.301  -368.973     3.864   -15.136    16.721   278.852
              -1268.169  -600.935    12.620    14.599   -36.534   473.838
.
11409   4.500  -838.301  -368.973     3.864   -15.136    25.415  -551.304
              -1268.169  -600.935    12.620    14.599    -8.140  -878.211
.
.
11410       0 -1324.010   157.886     7.308    -6.583   165.519  -286.914
              -1156.070   149.214    -4.908     5.289   -92.535  -168.856
.
```

11410	2.250	-1324.010	157.386	7.308	-6.583	181.962	68.314
		-1156.070	149.214	-4.908	5.289	-103.577	166.862
.							
11410	4.500	-1324.010	157.386	7.308	-6.583	198.405	423.543
		-1156.070	149.214	-4.908	5.289	-114.619	502.580
.							
.							
11411	0	-1382.317	-117.154	-9.808	-6.448	-112.906	175.225
		-738.549	-97.465	14.176	4.935	80.251	100.285
.							
11411	2.250	-1382.317	-117.154	-9.808	-6.448	-134.973	-88.361
		-738.549	-97.465	14.176	4.935	112.144	-119.004
.							
11411	4.500	-1382.317	-117.154	-9.808	-6.448	-157.041	-351.948
		-738.549	-97.465	14.176	4.935	144.038	-338.292
.							
.							
11459	0	-49.956	-2.973	-1.460	-3.865	91.189	-9.331
		-24.310	2.467	-42.937	5.098	138.751	0.645291
.							
11459	2.000	-49.956	-2.973	-1.460	-3.865	88.270	-15.278
		-24.310	2.467	-42.937	5.098	52.880	5.579
.							
11459	4.000	-49.956	-2.973	-1.460	-3.865	85.350	-21.225
		-24.310	2.467	-42.937	5.098	-32.991	10.513
.							
.							
11460	0	44.369	-25.085	-2233.476	-373.030	1832.022	51.023
		-29.479	28.150	-1085.528	359.952	1169.888	-46.323
.							
11460	1.000	44.369	-25.085	-2233.476	-373.030	-401.364	25.940
		-29.479	28.150	-1085.528	359.952	84.403	-18.174
.							
11460	2.000	44.369	-25.085	-2233.476	-373.030	-2634.750	0.855741
		-29.479	28.150	-1085.528	359.952	-1001.081	9.974
.							
.							
11461	0	29.377	-27.362	1095.925	-359.947	-1059.838	6.808
		78.483	30.428	1846.785	377.378	-1828.721	-19.056
.							
11461	1.000	29.377	-27.362	1095.925	-359.947	36.043	-20.552
		78.483	30.428	1846.785	377.378	17.990	11.372
.							
11461	2.000	29.377	-27.362	1095.925	-359.947	1131.925	-47.913
		78.483	30.428	1846.785	377.378	1864.701	41.799
.							.
.							
11470	0	-3237.432	61.759	51.969	-70.104	655.961	-1393.708
		-3642.075	-1.322	-32.725	50.909	-383.500	-100.612
.							
11470	0.1000	-3237.432	61.759	51.969	-70.104	661.157	-1387.532
		-3642.075	-1.322	-32.725	50.909	-386.772	-100.745
.							
11470	0.200	-3237.432	61.759	51.969	-70.104	666.354	-1381.357
		-3642.075	-1.322	-32.725	50.909	-390.044	-100.877
.							
.							
11471	0	-584.299	-5.659	101.720	-23.449	-225.642	103.800
		-685.440	8.307	106.737	22.751	-231.309	-109.818

.							
11471	2.462	-584.299	-5.659	101.720	-23.449	24.804	39.867
		-685.440	8.307	106.737	22.751	31.491	-39.366
.							
11471	4.924	-584.299	-5.659	101.720	-23.449	275.250	75.934
		-685.440	8.307	106.737	22.751	294.291	-68.914
.							
.							
11472	0	-717.890	-20.785	74.425	-27.790	-66.309	128.534
		-594.245	28.836	57.458	27.691	0.516471	-142.696
.							
11472	2.462	-717.890	-20.785	74.425	-27.790	116.934	77.360
		-594.245	28.836	57.458	27.691	141.986	-71.699
.							
11472	4.924	-717.890	-20.785	74.425	-27.790	300.178	26.186
		-594.245	28.836	57.458	27.691	283.455	-0.701597
.							
.							
11473	0	-536.258	-7.491	-254.827	-47.511	637.880	-72.901
		-645.343	7.875	-318.590	44.423	846.137	72.968
.							
11473	3.010	-536.258	-7.491	-254.827	-47.511	-129.222	-95.450
		-645.343	7.875	-318.590	44.423	-112.909	96.672
.							
11473	6.021	-536.258	-7.491	-254.827	-47.511	-896.323	-117.999
		-645.343	7.875	-318.590	44.423	-1071.955	120.377
.							
.							
11474	0	-622.955	-9.369	-331.215	-44.463	927.259	-66.504
		-616.102	9.514	-305.457	46.749	937.167	78.018
.							
11474	3.010	-622.955	-9.369	-331.215	-44.463	-69.791	-94.709
		-616.102	9.514	-305.457	46.749	17.657	106.659
.							
11474	6.021	-622.955	-9.369	-331.215	-44.463	-1066.840	-122.913
		-616.102	9.514	-305.457	46.749	-901.853	135.299
.							
.							
11481	0	-70.664	-9.122	-624.050	-79.409	111.761	-0.054317
		-81.079	3.405	-859.079	100.610	59.318	11.148
.							
11481	1.155	-70.664	-9.122	-624.050	-79.409	-608.981	-10.588
		-81.079	3.405	-859.079	100.610	-932.731	15.080
.							
11481	2.310	-70.664	-9.122	-624.050	-79.409	-1329.523	-21.121
		-81.079	3.405	-859.079	100.610	-1924.780	19.011
.							
.							
11482	0	-150.766	-17.194	-1624.812	-240.399	-1312.294	-2.009
		-151.453	4.493	-1931.946	231.563	-1938.871	12.071
.							
11482	0.150	-150.766	-17.194	-1624.812	-240.399	-1556.721	-4.596
		-151.453	4.493	-1931.946	231.563	-2229.502	12.746
.							
11482	0.301	-150.766	-17.194	-1624.812	-240.399	-1801.149	-7.182
		-151.453	4.493	-1931.946	231.563	-2520.132	13.422
.							

11483	0	501.976	-39.063	-193.737	-32.542	-33.411	28.824
		673.337	27.638	-195.031	27.709	-112.976	-19.700
11483	1.000	501.976	-39.063	-193.737	-32.542	-227.140	-10.238
		673.337	27.638	-195.031	27.709	-307.999	7.937
11483	2.000	501.976	-39.063	-193.737	-32.542	-420.868	-49.300
		673.337	27.638	-195.031	27.709	-503.022	35.573
11484	0	600.845	-25.746	178.641	-19.462	-426.638	31.753
		392.121	18.367	113.075	15.054	-265.211	-26.198
11484	1.000	600.845	-25.746	178.641	-19.462	-248.004	6.008
		392.121	18.367	113.075	15.054	-152.140	-7.832
11484	2.000	600.845	-25.746	178.641	-19.462	-69.370	-19.737
		392.121	18.367	113.075	15.054	-39.070	10.534
11485	0	-103.088	-8.150	1620.976	-138.835	-1967.738	9.066
		-83.821	17.853	1078.373	75.646	-1197.860	-8.648
11485	0.150	-103.088	-8.150	1620.976	-138.835	-1723.887	7.840
		-83.821	17.853	1078.373	75.646	-1035.636	-5.962
11485	0.301	-103.088	-8.150	1620.976	-138.835	-1480.037	6.614
		-83.821	17.853	1078.373	75.646	-873.412	-3.276
11486	0	-48.052	-6.331	639.540	-44.428	-1436.257	12.650
		-36.011	10.439	386.813	16.992	-851.098	-14.358
11486	1.155	-48.052	-6.331	639.540	-44.428	-697.727	5.339
		-36.011	10.439	386.813	16.992	-404.413	-2.304
11486	2.310	-48.052	-6.331	639.540	-44.428	40.803	-1.972
		-36.011	10.439	386.813	16.992	42.271	9.751
11503	0	-1.304	-0.027546	-159.806	10.379	-0.000959	0.144923
		4.100	6.907	-482.373	86.310	-0.002894	-3.814
11503	0.150	-1.304	-0.027546	-159.806	10.379	-23.971	0.140791
		4.100	6.907	-482.373	86.310	-72.356	-2.779
11503	0.300	-1.304	-0.027546	-159.806	10.379	-47.941	0.136659
		4.100	6.907	-482.373	86.310	-144.709	-1.743
11504	0	4.026	-6.907	-380.158	-81.773	-0.002281	7.256
		-12.472	0.027463	-145.246	-10.287	-0.000871	-11.679
11504	0.150	4.026	-6.907	-380.158	-81.773	-57.024	6.220
		-12.472	0.027463	-145.246	-10.287	-21.787	-11.675
11504	0.300	4.026	-6.907	-380.158	-81.773	-114.045	5.184
		-12.472	0.027463	-145.246	-10.287	-43.573	-11.671

11508	0	-1278.173	571.104	-30.566	-35.623	-112.175	-1849.036
		-1342.216	459.633	-21.788	22.249	208.364	-1642.175
11508	2.250	-1278.173	571.104	-30.566	-35.623	-180.945	-564.103
		-1342.216	459.633	-21.788	22.249	159.342	-608.043
11508	4.500	-1278.173	571.104	-30.566	-35.623	-249.715	720.829
		-1342.216	459.633	-21.788	22.249	110.321	426.090
11509	0	-733.741	-325.285	3.657	-19.876	13.670	969.071
		-1053.587	-490.009	-40.121	23.626	-34.989	1518.691
11509	2.250	-733.741	-325.285	3.657	-19.876	21.899	237.208
		-1053.587	-490.009	-40.121	23.626	-125.257	416.216
11509	4.500	-733.741	-325.285	3.657	-19.876	30.127	-494.655
		-1053.587	-490.009	-40.121	23.626	-215.524	-686.260
11510	0	-729.691	133.520	-1.590	-9.537	121.827	-196.729
		-974.730	133.527	-32.703	4.707	-206.239	-117.258
11510	2.250	-729.691	133.520	-1.590	-9.537	118.250	103.679
		-974.730	133.527	-32.703	4.707	-279.818	183.166
11510	4.500	-729.691	133.520	-1.590	-9.537	114.673	404.087
		-974.730	133.527	-32.703	4.707	-353.396	483.589
11511	0	-1119.369	-108.772	-42.300	-9.485	-276.082	63.394
		-682.380	-82.012	13.623	4.026	96.657	117.920
11511	2.250	-1119.369	-108.772	-42.300	-9.485	-371.253	-181.334
		-682.380	-82.012	13.623	4.026	127.308	-66.600
11511	4.500	-1119.369	-108.772	-42.300	-9.485	-466.424	-426.062
		-682.380	-82.012	13.623	4.026	157.960	-251.120
11559	0	-42.686	-0.690551	22.886	-3.534	31.076	-31.038
		-18.556	0.741114	-90.986	7.879	237.098	1.121
11559	2.000	-42.686	-0.690551	22.886	-3.534	76.846	-32.419
		-18.556	0.741114	-90.986	7.879	55.133	2.603
11559	4.000	-42.686	-0.690551	22.886	-3.534	122.615	-33.800
		-18.556	0.741114	-90.986	7.879	-126.831	4.085
11560	0	27.757	-23.023	-1487.590	-371.284	1206.241	49.641
		-20.133	88.087	-1680.650	875.446	1463.899	-124.333
11560	1.000	27.757	-23.023	-1487.590	-371.284	-281.290	26.619
		-20.133	88.087	-1680.650	875.446	-216.684	-36.250
11560	2.000	27.757	-23.023	-1487.590	-371.284	-1768.821	3.597

		-20.133	88.087	-1680.650	875.446	-1897.267	51.833
.							
.							
11561	0	37.690	-83.890	1474.061	-872.002	-1497.455	36.511
		61.500	30.645	1099.141	377.322	-958.671	-24.907
.							
11561	1.000	37.690	-83.890	1474.061	-872.002	-23.452	-47.375
		61.500	30.645	1099.141	377.322	140.426	5.737
.							
11561	2.000	37.690	-83.890	1474.061	-872.002	1450.550	-131.262
		61.500	30.645	1099.141	377.322	1239.523	36.381
.							
.							
11570	0	-2444.493	190.435	30.303	-92.847	390.553	685.129
		-3181.748	-2.185	-110.212	37.567	-1049.449	-75.418
.							
11570	0.1000	-2444.493	190.435	30.303	-92.847	393.583	704.172
		-3181.748	-2.185	-110.212	37.567	-1060.470	-75.636
.							
11570	0.200	-2444.493	190.435	30.303	-92.847	396.613	723.215
		-3181.748	-2.185	-110.212	37.567	-1071.491	-75.855
.							
.							
11571	0	-542.544	-5.808	97.100	-24.416	-217.108	103.722
		-536.978	33.808	79.614	31.968	-169.265	-206.233
.							
11571	2.462	-542.544	-5.808	97.100	-24.416	21.964	89.421
		-536.978	33.808	79.614	31.968	26.752	-122.994
.							
11571	4.924	-542.544	-5.808	97.100	-24.416	261.036	75.120
		-536.978	33.808	79.614	31.968	222.770	-39.754
.							
.							
11572	0	-514.850	-43.750	71.963	-38.811	-112.337	213.843
		-550.742	28.738	52.594	27.005	10.026	-145.396
.							
11572	2.462	-514.850	-43.750	71.963	-38.811	64.843	106.125
		-550.742	28.738	52.594	27.005	139.513	-74.639
.							
11572	4.924	-514.850	-43.750	71.963	-38.811	242.024	-1.592
		-550.742	28.738	52.594	27.005	269.010	-3.883
.							
.							
11573	0	-486.168	-7.840	-230.165	-47.774	569.091	-66.854
		-566.071	25.599	-279.849	96.876	737.746	149.729
.							
11573	3.010	-486.168	-7.840	-230.165	-47.774	-123.770	-90.454
		-566.071	25.599	-279.849	96.876	-104.678	226.790
.							
11573	6.021	-486.168	-7.840	-230.165	-47.774	-816.632	-114.053
		-566.071	25.599	-279.849	96.876	-947.102	303.852
.							
.							
11574	0	-544.668	-28.145	-292.590	-97.390	819.590	-131.018
		-566.701	9.191	-280.887	46.670	868.907	80.449
.							
11574	3.010	-544.668	-28.145	-292.590	-97.390	-61.187	-215.743
		-566.701	9.191	-280.887	46.670	23.358	108.118
.							

11574	6.021	-544.668	-28.145	-292.590	-97.390	-941.964	-300.468
		-566.701	9.191	-280.887	46.670	-822.190	135.787
.							
.							
11581	0	-65.582	-8.996	-570.133	-80.574	109.167	-0.152407
		-71.484	19.678	-759.564	86.554	57.175	-7.335
.							
11581	1.155	-65.582	-8.996	-570.133	-80.574	-549.213	-10.541
		-71.484	19.678	-759.564	86.554	-819.956	15.389
.							
11581	2.310	-65.582	-8.996	-570.133	-80.574	-1207.592	-20.930
		-71.484	19.678	-759.564	86.554	-1697.087	38.113
.							
.							
11582	0	-142.320	-16.985	-1515.980	-245.224	-1188.915	1.568
		-137.138	37.536	-1756.824	215.940	-1708.557	12.533
.							
11582	0.150	-142.320	-16.985	-1515.980	-245.224	-1416.970	-0.986804
		-137.138	37.536	-1756.824	215.940	-1972.843	18.179
.							
11582	0.301	-142.320	-16.985	-1515.980	-245.224	-1645.026	-3.542
		-137.138	37.536	-1756.824	215.940	-2237.130	23.826
.							
.							
11583	0	456.930	-39.420	-182.965	-32.659	-24.696	29.140
		596.869	33.048	-187.835	31.576	-85.480	-16.606
.							
11583	1.000	456.930	-39.420	-182.965	-32.659	-207.654	-10.278
		596.869	33.048	-187.835	31.576	-273.308	16.440
.							
11583	2.000	456.930	-39.420	-182.965	-32.659	-390.611	-49.697
		596.869	33.048	-187.835	31.576	-461.135	49.486
.							
.							
11584	0	529.027	-31.408	159.947	-20.489	-376.551	44.237
		348.221	17.513	93.784	17.364	-227.985	-26.633
.							
11584	1.000	529.027	-31.408	159.947	-20.489	-216.610	12.830
		348.221	17.513	93.784	17.364	-134.206	-9.121
.							
11584	2.000	529.027	-31.408	159.947	-20.489	-56.669	-18.577
		348.221	17.513	93.784	17.364	-40.426	8.392
.							
.							
11585	0	-87.055	-40.303	1417.310	-114.805	-1687.264	14.063
		-74.903	18.219	960.210	76.838	-1007.663	-13.290
.							
11585	0.150	-87.055	-40.303	1417.310	-114.805	-1474.053	8.000
		-74.903	18.219	960.210	76.838	-863.214	-10.549
.							
11585	0.301	-87.055	-40.303	1417.310	-114.805	-1260.841	1.937
		-74.903	18.219	960.210	76.838	-718.766	-7.808
.							
.							
11586	0	-39.959	-21.716	554.466	-33.562	-1246.426	30.468
		-31.445	10.200	335.442	18.748	-740.368	-15.392
.							
11586	1.155	-39.959	-21.716	554.466	-33.562	-606.138	5.391
		-31.445	10.200	335.442	18.748	-353.005	-3.613

```
.
11586   2.310    -39.959   -21.716   554.466   -33.562    34.150   -19.686
                 -31.445    10.200   335.442    18.748    34.357     8.166
.
.
.ID GWS3MY,STATIK2,1.58
.UN  M,KN
.EL !LPILA.001
.SK 3
.TP 12
.TK 6
ENVOLVENTE para < My > (y valores concomitantes)
(1. línea: MIN., 2. línea: MAX.)

Barra  Distancia        N         Vy         Vz         Mx         My         Mz
          [m]        [kN]       [kN]       [kN]       [kNm]      [kNm]      [kNm]
-------------------------------------------------------------------------------
11203        0    -19.939      1.039   -485.573     32.636 -0.002913     19.528
                -0.262503      5.954   -135.976     18.567 -0.000816     -1.186
.
11203    0.150    -19.939      1.039   -485.573     32.636    -72.836     19.684
                -0.262503      5.954   -135.976     18.567    -20.396  -0.292605
.
11203    0.300    -19.939      1.039   -485.573     32.636   -145.669     19.840
                -0.262503      5.954   -135.976     18.567    -40.792   0.600391
.
.
11204        0     -3.031     -1.028   -556.234    -66.327 -0.003337     -4.100
                   14.966     -6.008   -149.223    -21.450 -0.000895     16.215
.
11204    0.150     -3.031     -1.028   -556.234    -66.327    -83.435     -4.255
                   14.966     -6.008   -149.223    -21.450    -22.384     15.314
.
11204    0.300     -3.031     -1.028   -556.234    -66.327   -166.867     -4.409
                   14.966     -6.008   -149.223    -21.450    -44.766     14.412
.
.
11208        0 -1175.556    441.494     26.101     -4.470   -167.276  -1528.798
               -1737.756    638.958     14.750     33.694    244.470  -2236.525
.
11208    2.250 -1198.342    432.004     23.925     -10.331   -110.941   -555.230
               -1714.970    648.448     16.925     39.555    280.045   -779.174
.
11208    4.500  -919.385    309.470      3.007     -4.361    -70.892    386.980
               -1164.786    477.889     62.064     30.052    357.763    647.330
.
.
11209        0  -888.844   -305.878      2.027   0.592580    -76.817    979.729
               -1338.013   -465.951     47.531    -14.434    111.124   1529.750
.
11209    2.250  -911.629   -296.387  -0.148603      6.455    -74.646    311.285
               -1315.228   -475.442     49.707    -20.297    220.454    461.650
.
11209    4.500  -911.629   -296.387  -0.148603      6.455    -74.980   -355.558
               -1183.188   -457.780     62.197    -23.149    351.576   -575.067
.
.
11210        0 -1089.121    133.643     10.873      6.043   -103.144   -236.138
               -1350.221    155.385     65.494     -2.587    386.346   -250.649
.
11210    2.250 -1090.802    133.527     10.230      5.554    -79.637     64.124
               -1349.213    155.454     65.880     -2.293    534.275     99.206
.
11210    4.500  -880.682    105.885      2.746   0.027248    -70.816    355.590
               -935.555     154.227     71.910      2.085    694.082    550.708
.
.
11211        0  -838.537   -104.385      4.220     -1.669    -85.366    106.600
               -1266.224   -123.068     63.750      6.358    388.526    156.991
.
11211    2.250  -840.218   -104.270      3.578     -1.182    -76.828   -127.834
               -1265.215   -123.137     64.135      6.065    532.531   -120.155
.
11211    4.500  -619.662    -86.286     -3.574      3.803    -83.330   -383.913
               -842.696    -131.041     69.659      2.295    687.824   -526.425
.
.
11259        0   -17.953   0.224414     23.156      1.399      2.127     44.644
                 -40.014     -2.584    -93.126     -5.029    278.876      1.724
.
11259    2.000    69.692  -0.516846    -17.238     -1.787     36.369     39.852
                 -34.811     -1.905    -57.494     -1.543     99.825     -3.289
.
11259    4.000   -18.477     -2.579    -91.056     -7.718   -127.075     40.268
                 -42.656   0.225727     23.156      1.404    123.179      3.353
.
.
11260        0    20.269    -81.579   -860.030   -760.919    709.986    121.859
                  15.039     -2.075  -2138.563     26.222   1891.225    -10.787
.
11260    1.000    40.594     -1.384  -2771.797     26.253  -1168.979    -10.182
                 -72.068     -98.118   -430.062   -838.991    515.588     19.202
.
11260    2.000    40.594     -1.384  -2771.797     26.253  -3940.665    -11.567
                 -72.068     -98.118   -430.062   -838.991     85.543    -78.913
.
.
11261        0   129.368     -9.689   2298.353     -21.591  -3249.017     31.458
                  33.985     79.616    750.566     721.323   -162.607    -38.376
.
11261    1.000   129.368     -9.689   2298.353     -21.591   -950.756     21.769
                  33.985     79.616    750.566     721.323    587.929     41.237
.
11261    2.000   112.315     82.098   1266.295     829.309    598.826    147.155
                  49.227     -3.650   1711.953     -30.754   1929.987  -0.784628
.
.
11270        0 -2732.323      3.832      7.199      29.327   -216.210  -1596.338
               -3512.518    114.546    198.018      31.592   2064.549   -109.582
.
11270   0.1000 -2732.323      3.832      7.199      29.327   -215.490  -1595.955
               -3512.518    114.546    198.018      31.592   2084.351    -98.128
.
11270    0.200 -2732.323      3.832      7.199      29.327   -214.770  -1595.572
               -3512.518    114.546    198.018      31.592   2104.151    -86.674
.
.
11271        0  -451.804   -0.806131     97.373   0.873418   -377.157     -4.123
```

		-419.138	-33.148	4.236	-17.687	71.862	183.366
.							
11271	2.462	-296.877	-32.651	82.802	-18.955	-148.960	67.544
		-574.023	1.939	18.802	4.214	93.836	20.373
.							
11271	4.924	-358.769	-33.193	19.449	-15.397	27.416	12.953
		-760.283	-2.970	140.895	0.934679	372.496	-20.030
.							
.							
11272	0	-621.481	2.687	146.466	-0.499100	-386.267	8.942
		-616.884	27.012	47.890	17.284	83.197	-133.101
.							
11272	2.462	-181.819	37.689	73.993	29.343	-45.272	-74.687
		-771.811	-4.837	62.461	-2.556	212.655	7.032
.							
11272	4.924	-260.350	32.134	30.820	20.799	93.414	-2.869
		-741.474	3.143	150.815	0.547213	399.574	24.290
.							
.							
11273	0	-295.580	-25.580	-146.500	-80.384	407.105	-114.322
		-800.308	1.303	-395.539	3.955	1104.877	-3.256
.							
11273	3.010	-613.402	0.512151	-304.730	4.030	-206.312	3.633
		-489.323	-26.019	-201.797	-86.985	41.025	-227.189
.							
11273	6.021	-800.308	1.303	-395.539	3.955	-1276.487	4.587
		-295.580	-25.580	-146.500	-80.384	-474.906	-268.328
.							
.							
11274	0	-166.302	29.666	-122.087	88.701	278.064	104.806
		-843.163	-0.959571	-417.228	-3.559	1255.066	-7.740
.							
11274	3.010	-462.958	1.301	-275.268	-0.723057	-150.619	-20.202
		-612.565	25.036	-303.111	74.727	65.394	176.870
.							
11274	6.021	-767.907	-0.832826	-391.462	-3.679	-1271.308	-8.330
		-166.308	29.794	-122.087	89.121	-456.962	284.904
.							
.							
11281	0	-27.702	-32.872	-302.736	-6.941	20.642	33.664
		-92.620	0.452821	-858.092	11.310	169.324	-1.022
.							
11281	1.155	-76.525	-0.758480	-809.596	46.051	-869.030	6.334
		-64.970	-36.258	-293.987	-6.936	-280.784	-7.337
.							
11281	2.310	-82.041	0.451665	-867.518	10.998	-1845.642	-1.302
		-64.775	-35.751	-291.847	-6.054	-619.896	-48.968
.							
.							
11282	0	-164.150	4.984	-2092.692	-228.448	-1841.889	-13.502
		-91.886	-66.454	-895.991	3.527	-521.929	-0.992249
.							
11282	0.150	-164.150	4.984	-2092.692	-228.448	-2156.701	-12.752
		-136.993	-72.953	-800.920	-3.680	-644.811	-23.255
.							
11282	0.301	-169.883	0.861321	-2164.273	49.343	-2481.478	-2.460
		-136.993	-72.953	-800.920	-3.680	-765.297	-34.230
.							
.							

11283	0	622.493	-13.111	-149.208	-15.077	-138.901	10.773
		320.498	-7.739	-219.765	-7.258	71.988	-11.738
.							
11283	1.000	687.438	8.662	-263.310	6.633	-307.630	1.269
		205.084	-14.368	-129.151	-12.408	-91.109	-20.592
.							
11283	2.000	673.507	10.825	-285.600	3.985	-589.441	10.335
		245.107	-17.500	-48.783	-6.881	-146.464	-33.358
.							
.							
11284	0	581.379	5.409	180.686	3.767	-418.773	-5.432
		292.500	22.365	-30.641	3.936	-83.703	-37.063
.							
11284	1.000	595.306	7.572	158.396	1.118	-241.872	1.739
		242.226	17.499	20.488	9.127	-96.285	-16.881
.							
11284	2.000	512.055	5.709	25.945	-1.953	-188.264	8.007
		300.764	9.544	113.835	0.702072	3.507	-4.440
.							
.							
11285	0	-93.228	-3.760	1486.964	47.033	-1873.585	2.542
		-52.881	64.450	691.399	18.677	-806.360	-17.779
.							
11285	0.150	-93.228	-3.760	1486.964	47.033	-1649.895	1.976
		-63.585	65.685	822.380	2.612	-697.125	-5.970
.							
11285	0.301	-87.418	-2.160	1410.743	24.224	-1429.588	3.448
		-63.585	65.685	822.380	2.612	-573.411	3.912
.							
.							
11286	0	-48.335	-1.237	635.832	12.564	-1418.312	0.379384
		-25.539	32.603	277.204	1.513	-613.200	-41.298
.							
11286	1.155	-47.653	-0.935184	628.185	10.248	-684.579	-0.677626
		-25.539	32.603	277.204	1.513	-293.089	-3.649
.							
11286	2.310	9.518	36.111	305.540	7.777	-8.135	40.063
		-58.378	-1.269	620.986	10.605	64.603	-3.697
.							
.							
11303	0	-13.251	1.091	-525.724	34.014	-0.003154	11.935
		-1.260	6.074	-150.816	20.733	-0.000905	-1.543
.							
11303	0.150	-13.251	1.091	-525.724	34.014	-78.858	12.098
		-1.260	6.074	-150.816	20.733	-22.622	-0.631716
.							
11303	0.300	-13.251	1.091	-525.724	34.014	-157.714	12.262
		-1.260	6.074	-150.816	20.733	-45.244	0.279393
.							
.							
11304	0	-0.797343	-1.294	-624.078	-66.934	-0.003744	-0.581055
		3.220	-6.495	-181.783	-27.723	-0.001091	7.481
.							
11304	0.150	-0.797343	-1.294	-624.078	-66.934	-93.611	-0.775185
		3.220	-6.495	-181.783	-27.723	-27.267	6.507
.							
11304	0.300	-0.797343	-1.294	-624.078	-66.934	-187.219	-0.969315
		3.220	-6.495	-181.783	-27.723	-54.534	5.533
.							

11308	0	-1278.437	488.230	53.676	3.747	-161.774	-1683.183
		-1903.535	714.079	-40.640	14.678	264.064	-2482.773
11308	2.250	-1298.613	477.970	23.159	-9.898	-107.693	-603.102
		-1883.360	724.338	-10.123	28.323	239.314	-857.768
11308	4.500	-1024.179	357.744	3.205	-5.075	-68.302	445.755
		-1507.963	565.508	20.040	17.298	235.004	731.081
11309	0	-996.915	-354.476	31.290	-8.893	-76.080	1139.979
		-1508.925	-542.666	-7.529	0.400905	132.791	1781.547
11309	2.250	-1017.090	-344.216	0.772676	4.750	-72.367	360.831
		-1488.750	-552.927	22.988	-13.242	182.538	542.205
11309	4.500	-1016.961	-344.226	0.660338	5.731	-70.671	-413.743
		-1488.879	-552.917	23.101	-14.223	234.302	-701.711
11310	0	-1179.819	145.360	10.065	5.160	-97.998	-249.211
		-1822.629	203.173	17.971	-4.293	279.134	-356.463
11310	2.250	-1179.509	145.370	9.089	4.483	-77.223	77.918
		-1822.939	203.163	18.947	-3.616	321.439	100.577
11310	4.500	-1345.171	168.169	1.656	0.082501	-68.584	567.893
		-966.700	133.847	26.151	-0.276273	374.933	464.953
11311	0	-929.539	-116.333	4.577	-1.868	-82.856	120.021
		-1476.039	-166.679	21.645	3.898	267.556	186.873
11311	2.250	-929.230	-116.343	3.600	-1.191	-74.431	-141.800
		-1476.349	-166.669	22.621	3.220	318.127	-188.058
11311	4.500	-1084.962	-148.169	-3.583	2.712	-78.901	-595.177
		-605.775	-111.982	29.037	0.854199	379.114	-514.533
11359	0	-22.311	-0.289910	26.003	-0.695441	3.905	3.300
		-47.329	-1.941	-96.170	-2.360	296.397	26.510
11359	2.000	65.277	-0.308015	-17.320	-0.845275	42.593	-2.777
		-42.574	-1.666	-57.562	-0.501241	112.621	23.404
11359	4.000	-22.684	-1.658	-93.130	-3.671	-124.287	-4.356
		-39.788	0.165397	24.838	1.086	140.691	32.975
11360	0	22.832	0.943474	-982.359	-1.995	812.918	-3.649
		20.614	-44.149	-2397.655	-391.979	2108.823	58.188
11360	1.000	45.161	-44.229	-3032.496	-391.386	-1240.992	14.781
		-69.568	-1.198	-548.116	-5.362	518.538	-8.901
11360	2.000	45.161	-44.229	-3032.496	-391.386	-4273.366	-29.445
		-69.568	-1.198	-548.116	-5.362	-29.557	-10.098

11361	0	134.824	35.404	2539.668	370.573	-3552.200	-5.145
		37.864	-3.523	872.782	-30.918	-275.601	5.601
11361	1.000	134.824	35.404	2539.668	370.573	-1012.634	30.257
		37.864	-3.523	872.782	-30.918	597.146	2.078
11361	2.000	115.721	-6.514	1392.584	-0.915945	700.600	6.706
		55.318	41.117	1973.353	389.527	2146.804	63.448
11370	0	-4228.823	60.106	3.895	36.485	-210.134	-1030.868
		-3281.828	5.150	75.396	-18.936	1127.742	-2050.147
11370	0.1000	-4228.823	60.106	3.895	36.485	-209.744	-1024.858
		-3281.828	5.150	75.396	-18.936	1135.281	-2049.632
11370	0.200	-4228.823	60.106	3.895	36.485	-209.355	-1018.847
		-3281.828	5.150	75.396	-18.936	1142.821	-2049.117
11371	0	-513.189	-19.115	107.538	-12.444	-404.653	86.191
		-467.343	0.637929	7.762	0.955014	70.687	12.371
11371	2.462	-335.453	-0.985360	90.534	-0.077667	-153.025	-7.375
		-638.076	-18.390	47.015	-13.503	104.379	56.666
11371	4.924	-396.608	0.343796	23.516	2.580	40.339	5.543
		-838.444	-20.852	149.303	-11.370	399.901	-15.110
11372	0	-681.994	20.109	156.300	10.874	-413.149	-83.864
		-660.029	17.763	46.298	19.128	86.658	-84.121
11372	2.462	-218.829	1.163	80.513	4.400	-47.153	-0.830817
		-849.073	13.151	68.261	9.238	224.409	-42.403
11372	4.924	-297.245	0.698695	35.108	2.640	106.425	-2.097
		-819.452	20.639	159.871	11.875	427.008	16.159
11373	0	-338.859	0.942259	-167.723	-1.051	466.407	-7.506
		-891.673	-12.734	-440.412	-41.155	1230.207	-64.463
11373	3.010	-690.216	-13.395	-342.406	-40.794	-220.423	-100.718
		-542.197	1.460	-227.520	-1.131	39.479	-9.895
11373	6.021	-891.673	-12.734	-440.412	-41.155	-1421.317	-141.127
		-338.859	0.942259	-167.723	-1.051	-543.378	-1.833
11374	0	-208.312	0.349377	-143.044	1.818	336.005	-7.436
		-933.733	12.505	-461.999	41.270	1379.748	60.541
11374	3.010	-536.037	13.067	-311.485	40.378	-162.692	87.395
		-669.868	-1.009	-331.472	-3.569	64.935	-10.155
11374	6.021	-858.920	12.917	-436.267	41.292	-1416.095	139.185

		-208.312	0.349377	-143.044	1.818	-525.201	-5.333
11381	0	-31.977	0.914791	-347.706	-8.806	23.484	-2.881
		-101.669	-17.367	-952.763	1.252	174.757	17.413
11381	1.155	-85.994	-13.886	-911.398	-77.238	-990.664	-13.520
		-69.714	0.568084	-342.019	-7.533	-330.903	-2.250
11381	2.310	-89.759	-15.320	-948.078	-88.778	-2071.864	-32.384
		-69.201	0.767658	-336.384	-9.268	-720.390	-1.670
11382	0	-179.539	-29.830	-2283.998	-245.337	-2077.377	-10.165
		-100.096	1.571	-1001.027	-0.101164	-617.409	-1.355
11382	0.150	-179.539	-29.830	-2283.998	-245.337	-2420.969	-14.652
		-145.408	1.754	-902.518	-6.913	-757.055	-7.272
11382	0.301	-179.539	-29.830	-2283.998	-245.337	-2764.560	-19.140
		-145.408	1.754	-902.518	-6.913	-892.825	-7.009
11383	0	703.022	-21.642	-155.617	-18.170	-169.981	11.656
		359.982	6.559	-233.364	1.689	69.143	-7.064
11383	1.000	766.769	-1.304	-283.997	2.386	-342.255	-6.927
		242.865	0.371080	-140.168	-3.677	-107.625	-1.758
11383	2.000	752.751	-0.144917	-306.403	0.978898	-644.824	-7.990
		283.585	-2.202	-59.447	-1.325	-173.942	-2.495
11384	0	660.478	14.458	202.311	8.770	-474.669	-23.220
		331.046	3.880	-20.563	-0.163509	-110.547	-2.821
11384	1.000	674.491	15.616	179.905	7.364	-276.187	-7.850
		280.688	2.608	31.435	3.003	-113.052	-0.931211
11384	2.000	583.369	12.594	42.053	4.415	-204.035	5.631
		341.913	-4.996	136.392	-3.814	10.322	-3.771
11385	0	-109.202	30.970	1692.172	67.697	-2181.619	-10.324
		-61.321	-3.165	805.452	25.191	-922.429	-3.111
11385	0.150	-109.202	30.970	1692.172	67.697	-1927.059	-5.665
		-61.321	-3.165	805.452	25.191	-801.262	-3.587
11385	0.301	-109.202	30.970	1692.172	67.697	-1672.498	-1.006
		-71.633	-1.622	927.976	5.899	-668.361	0.985206
11386	0	-58.440	16.288	743.911	26.373	-1661.710	-24.173
		-29.279	-0.898413	319.385	2.968	-702.468	0.327968
11386	1.155	-58.440	16.288	743.911	26.373	-802.654	-5.364
		-29.279	-0.898413	319.385	2.968	-333.648	-0.709504
11386	2.310	5.661	-0.795223	350.432	9.297	-5.451	-0.691530
		-67.722	17.338	720.898	16.893	70.574	15.591
11403	0	-7.197	1.175	-600.723	32.111	-0.003604	6.698
		-1.727	6.633	-181.623	44.835	-0.001090	-1.682
11403	0.150	-7.197	1.175	-600.723	32.111	-90.108	6.875
		-1.727	6.633	-181.623	44.835	-27.243	-0.686769
11403	0.300	-7.197	1.175	-600.723	32.111	-180.213	7.051
		-1.727	6.633	-181.623	44.835	-54.486	0.308182
11404	0	-7.280	-1.171	-556.397	-68.671	-0.003338	-6.417
		3.575	-6.130	-149.612	-22.895	-0.000898	6.560
11404	0.150	-7.280	-1.171	-556.397	-68.671	-83.459	-6.592
		3.575	-6.130	-149.612	-22.895	-22.442	5.641
11404	0.300	-7.280	-1.171	-556.397	-68.671	-166.915	-6.768
		3.575	-6.130	-149.612	-22.895	-44.882	4.721
11408	0	-1758.833	691.645	47.782	-4.224	-210.379	-2382.285
		-1421.930	513.122	-46.517	6.450	213.880	-1792.548
11408	2.250	-1738.658	701.904	17.264	-17.869	-169.561	-807.754
		-1442.105	502.862	-16.000	20.095	175.907	-656.463
11408	4.500	-1305.798	562.994	-11.547	-13.261	-145.345	747.463
		-1062.142	341.979	15.669	10.500	161.159	431.654
11409	0	-1486.740	-562.466	28.922	-4.918	-133.710	1853.660
		-1022.687	-339.953	-10.792	4.339	76.977	1085.896
11409	2.250	-1466.565	-572.727	-1.595	8.725	-135.325	569.770
		-1042.362	-329.693	19.725	-9.305	119.382	339.424
11409	4.500	-1332.332	-541.643	-11.703	10.023	-142.547	-672.530
		-1042.733	-329.703	19.837	-10.286	163.803	-402.474
11410	0	-1672.320	191.366	-0.277845	3.792	-178.557	-313.991
		-1329.372	157.233	7.317	-5.632	196.687	-291.328
11410	2.250	-1398.575	166.898	-13.570	2.240	-202.118	130.244
		-1329.062	157.243	8.293	-4.954	215.020	62.013
11410	4.500	-659.607	120.230	-18.987	-0.967998	-240.954	435.098
		-1409.556	172.747	16.670	-0.484085	247.096	583.122
11411	0	-1421.965	-162.851	-2.614	-3.536	-170.752	185.436
		-982.930	-120.482	14.030	2.244	178.056	121.908
11411	2.250	-1374.875	-139.346	-13.752	-3.313	-200.665	-136.896
		-982.620	-120.493	15.007	1.567	211.494	-149.249

.							
11411	4.500	-630.265	-97.366	-19.084	-0.349494	-240.569	-394.920
		-1048.348	-151.210	22.535	-1.877	257.724	-633.453
.							
.							
11459	0	-22.310	0.223191	25.976	0.393502	3.948	10.212
		-47.482	-1.135	-96.013	2.418	296.143	-19.152
.							
11459	2.000	64.230	0.068265	-17.294	0.851502	42.820	6.384
		-42.728	-1.409	-57.405	0.559224	112.680	-22.197
.							
11459	4.000	-22.777	-0.187245	-93.036	3.706	-124.063	1.390
		-49.928	0.222487	25.977	0.390535	140.216	-14.760
.							
.							
11460	0	22.768	-27.087	-981.840	-231.609	812.799	39.974
		20.650	16.557	-2397.392	224.279	2108.677	-27.890
.							
11460	1.000	45.170	14.739	-3032.251	222.664	-1240.942	-18.180
		-69.572	-14.023	-547.956	-132.607	519.564	15.590
.							
11460	2.000	45.170	14.739	-3032.251	222.664	-4273.072	-3.441
		-69.572	-14.023	-547.956	-132.607	-29.370	1.567
.							
.							
11461	0	134.845	-19.045	2539.507	-270.094	-3551.970	-9.012
		37.870	28.795	872.495	196.621	-275.258	-21.914
.							
11461	1.000	134.845	-19.045	2539.507	-270.094	-1012.565	-28.057
		37.870	28.795	872.495	196.621	597.203	6.880
.							
11461	2.000	115.718	21.735	1392.424	138.886	700.467	15.203
		55.324	-15.845	1973.066	-223.824	2146.673	-29.219
.							
.							
11470	0	-2645.774	2.294	-51.247	9.893	-717.376	-958.125
		-4408.279	61.570	49.286	-38.553	746.194	-1482.619
.							
11470	0.1000	-2645.774	2.294	-51.247	9.893	-722.500	-957.895
		-4408.279	61.570	49.286	-38.553	751.123	-1476.462
.							
11470	0.200	-2645.774	2.294	-51.247	9.893	-727.625	-957.666
		-4408.279	61.570	49.286	-38.553	756.051	-1470.306
.							
.							
11471	0	-512.948	6.762	107.877	8.547	-405.351	-65.225
		-467.294	-6.505	7.755	-4.688	70.699	15.362
.							
11471	2.462	-335.211	-11.368	90.872	-3.819	-152.889	-2.074
		-637.994	8.611	47.005	7.281	104.374	-33.521
.							
11471	4.924	-396.463	-7.756	23.719	-4.918	40.921	-29.462
		-837.322	6.718	149.366	12.598	398.664	-32.933
.							
.							
11472	0	-680.989	-7.079	155.684	-12.805	-411.534	64.200
		-671.728	3.357	50.825	-1.827	86.040	-13.268
.							
11472	2.462	-218.780	4.705	80.506	-0.667625	-47.156	-13.057
		-849.466	-14.770	67.829	-14.187	224.322	41.513
.							
11472	4.924	-296.658	10.319	35.206	6.882	106.396	14.243
		-818.447	-7.609	159.254	-13.806	425.590	28.340
.							
.							
11473	0	-338.866	-8.755	-167.700	-23.301	466.388	-28.675
		-891.742	4.522	-440.319	27.320	1230.038	51.986
.							
11473	3.010	-690.103	4.719	-342.347	27.448	-220.413	61.203
		-542.141	-6.133	-227.492	-13.297	39.485	-24.930
.							
11473	6.021	-891.742	4.522	-440.319	27.320	-1480.929	79.213
		-338.866	-8.755	-167.700	-23.301	-543.260	-81.386
.							
.							
11474	0	-208.256	4.324	-143.017	12.609	335.928	28.195
		-933.703	-5.539	-461.977	-27.592	1379.747	-46.105
.							
11474	3.010	-536.087	-8.221	-311.433	-32.062	-162.621	-65.266
		-669.838	7.974	-331.450	17.246	65.000	45.559
.							
11474	6.021	-859.003	-4.841	-436.180	-27.430	-1415.716	-77.993
		-208.256	4.324	-143.017	12.609	-525.112	54.226
.							
.							
11481	0	-31.993	-11.185	-347.622	8.153	23.514	13.578
		-101.804	6.236	-954.192	40.143	172.851	0.282239
.							
11481	1.155	-87.364	3.992	-924.591	80.674	-1001.919	13.028
		-69.154	-6.600	-335.893	9.021	-329.515	1.768
.							
11481	2.310	-87.364	3.992	-924.591	80.674	-2069.620	17.639
		-69.154	-6.600	-335.893	9.021	-717.398	-5.854
.							
.							
11482	0	-163.137	6.757	-2076.988	181.065	-2093.557	10.914
		-100.241	-23.293	-1002.870	38.247	-621.375	8.147
.							
11482	0.150	-185.405	11.879	-2358.457	106.829	-2412.901	7.774
		-145.490	-14.785	-903.616	29.800	-759.601	9.388
.							
11482	0.301	-185.405	11.879	-2358.457	106.829	-2767.694	9.561
		-145.490	-14.785	-903.616	29.800	-895.535	7.163
.							
.							
11483	0	667.666	11.992	-142.533	11.141	-164.835	-7.613
		360.380	1.320	-232.041	6.957	67.536	-1.906
.							
11483	1.000	767.431	14.436	-281.791	12.023	-342.727	5.108
		243.704	-4.417	-140.778	1.933	-108.052	-1.716
.							
11483	2.000	753.414	13.277	-304.198	13.430	-643.090	19.303
		284.983	-4.541	-60.464	-1.583	-175.669	-10.039
.							
.							
11484	0	660.182	-1.616	202.904	-1.216	-474.986	5.033

		331.813	1.399	-19.621	2.945	-111.862	-6.085
.							
11484	1.000	674.195	-2.774	180.498	0.190415	-275.912	2.504
		281.967	6.190	33.005	1.633	-113.673	-5.114
.							
11484	2.000	584.137	-7.315	42.995	-1.633	-203.466	-3.979
		332.139	7.092	132.811	3.307	7.516	1.754
.							
.							
11485	0	-114.773	-10.418	1766.021	-88.337	-2166.063	8.581
		-62.207	23.515	809.955	-25.124	-928.269	-2.061
.							
11485	0.150	-104.511	-12.231	1630.797	-47.966	-1904.621	2.407
		-62.207	23.515	809.955	-25.124	-806.424	1.477
.							
11485	0.301	-104.511	-12.231	1630.797	-47.966	-1659.293	0.566518
		-71.834	23.254	930.536	-33.056	-670.989	5.741
.							
.							
11486	0	-57.253	-6.434	730.946	-21.822	-1639.599	11.161
		-29.727	11.027	321.301	-2.944	-706.257	-12.989
.							
11486	1.155	-57.253	-6.434	730.946	-21.822	-795.515	3.731
		-29.727	11.027	321.301	-2.944	-335.225	-0.255081
.							
11486	2.310	5.686	7.033	350.151	-8.198	-5.246	7.521
		-67.854	-6.184	722.631	-22.299	72.474	-2.449
.							
.							
11503	0	-9.000	0.911901	-525.371	31.577	-0.003152	9.768
		10.132	6.012	-150.481	19.338	-0.000903	-11.308
.							
11503	0.150	-9.000	0.911901	-525.371	31.577	-78.805	9.905
		10.132	6.012	-150.481	19.338	-22.572	-10.406
.							
11503	0.300	-9.000	0.911901	-525.371	31.577	-157.608	10.042
		10.132	6.012	-150.481	19.338	-45.143	-9.505
.							
.							
11504	0	-14.237	-6.722	-521.321	-71.861	-0.003128	-14.052
		4.617	-0.360396	-133.402	-15.925	-0.000800	6.089
.							
11504	0.150	-14.237	-6.722	-521.321	-71.861	-78.198	-15.060
		4.617	-0.360396	-133.402	-15.925	-20.010	6.035
.							
11504	0.300	-14.237	-6.722	-521.321	-71.861	-156.393	-16.068
		4.617	-0.360396	-133.402	-15.925	-40.020	5.981
.							
.							
11508	0	-1594.564	614.262	-7.587	-23.397	-192.278	-2127.708
		-1319.252	467.996	-19.396	13.457	218.840	-1644.211
.							
11508	2.250	-1571.778	623.752	-9.763	-29.258	-211.738	-725.919
		-1342.038	458.506	-17.221	19.318	177.590	-611.016
.							
11508	4.500	-1142.232	487.451	-50.740	-26.747	-301.995	655.920
		-959.977	296.737	15.226	9.779	161.860	376.177
.							

.							
11509	0	-1312.630	-480.642	-27.033	9.787	-110.131	1584.389
		-917.344	-294.186	17.829	-5.269	78.830	935.242
.							
11509	2.250	-1167.958	-466.595	-49.898	20.360	-183.371	467.849
		-940.130	-284.695	20.005	-11.132	121.334	293.103
.							
11509	4.500	-1167.958	-466.595	-49.898	20.360	-295.638	-581.947
		-940.130	-284.695	20.005	-11.132	166.343	-347.435
.							
.							
11510	0	-1260.499	148.304	-55.070	2.308	-327.117	-225.097
		-1239.958	145.566	5.474	-7.191	201.738	-278.998
.							
11510	2.250	-1259.491	148.373	-55.456	2.015	-451.593	108.827
		-1241.639	145.450	6.117	-6.702	215.011	48.090
.							
11510	4.500	-897.109	151.508	-60.921	-2.323	-586.982	541.667
		-945.503	110.726	15.144	-0.458302	245.842	371.624
.							
.							
11511	0	-1234.401	-120.603	-52.588	-6.139	-331.395	155.888
		-892.295	-108.799	14.014	2.006	178.899	108.835
.							
11511	2.250	-1233.393	-120.673	-52.973	-5.846	-450.288	-115.712
		-893.976	-108.684	14.656	1.519	211.386	-135.531
.							
11511	4.500	-865.053	-129.225	-58.290	-1.802	-580.531	-503.462
		-582.861	-89.465	22.805	-3.684	260.335	-422.900
.							
.							
11559	0	-17.972	-0.245261	23.140	-1.496	2.196	-31.322
		-40.103	-0.479451	-93.010	5.295	278.715	5.366
.							
11559	2.000	69.175	0.273235	-17.221	1.808	36.519	-36.403
		-34.899	-1.159	-57.378	1.809	99.896	4.252
.							
11559	4.000	-18.530	0.741448	-90.986	7.879	-126.894	-43.366
		-42.675	-0.246931	23.140	-1.501	123.183	9.885
.							
.							
11560	0	20.250	55.814	-860.654	528.286	710.665	-85.185
		15.080	-25.189	-2139.342	-191.211	1891.885	40.670
.							
11560	1.000	40.692	-27.548	-2772.894	-192.156	-1169.519	7.340
		-72.058	82.909	-430.536	701.034	515.509	-12.514
.							
11560	2.000	40.692	-27.548	-2772.894	-192.156	-3942.302	-20.207
		-72.058	82.909	-430.536	701.034	84.991	70.392
.							
.							
11561	0	129.387	25.867	2298.791	120.457	-3249.491	-45.532
		33.933	-54.397	750.984	-558.041	-162.725	21.288
.							
11561	1.000	129.387	25.867	2298.791	120.457	-950.792	-19.666
		33.933	-54.397	750.984	-558.041	588.229	-33.106
.							
11561	2.000	112.324	-66.969	1266.761	-692.026	599.222	-125.355
		49.174	28.869	1712.370	194.036	1930.705	34.133

```
.
.
11570        0 -3405.481   113.793  -166.133   -32.849 -1742.952   162.672
               -2913.672     4.800    44.862   -37.901   742.345 -2053.076
.
11570   0.1000 -3405.481   113.793  -166.133   -32.849 -1759.564   174.051
               -2913.672     4.800    44.862   -37.901   746.831 -2052.596
.
11570   0.200  -3405.481   113.793  -166.133   -32.849 -1776.177   185.430
               -2913.672     4.800    44.862   -37.901   751.318 -2052.116
.
.
11571        0  -451.895   -11.465    97.628    -4.959  -377.709    24.213
                -419.281    27.295     4.253    13.958    71.830  -155.057
.
11571   2.462  -296.967    20.380    83.057    14.869  -148.884   -77.667
                -574.167    -7.792    18.819    -7.944    93.846    -6.475
.
11571   4.924  -358.823    25.831    19.602    12.945    27.838   -37.154
                -760.013   -11.300   140.679  0.386960   372.016   -28.925
.
.
11572        0  -621.289    10.434   146.205    -1.575  -385.557   -28.341
                -617.438   -29.031    47.668   -22.554    83.726   136.787
.
11572   2.462  -181.962   -31.836    74.010   -25.614   -45.262    60.788
                -772.365     2.819    62.239    -2.714   212.636    -8.316
.
11572   4.924  -260.559   -22.228    30.857   -14.415    93.511     4.055
                -741.283     9.978   150.555    -2.621   399.002    20.921
.
.
11573        0  -295.894    17.746  -146.640    56.084   407.515    78.923
                -800.641    -9.422  -395.645   -17.515  1105.212    -8.795
.
11573   3.010  -613.549    -9.153  -304.834   -17.123  -206.387   -41.987
                -489.489    21.355  -201.878    72.560    41.007   192.353
.
11573   6.021  -800.641    -9.422  -395.645   -17.515 -1276.794   -65.524
                -296.701    27.129  -146.760    85.356  -475.239   285.603
.
.
11574        0  -166.468   -25.001  -122.169   -74.276   278.292   -84.011
                -843.562     7.747  -417.392    16.929  1255.600    22.614
.
11574   3.010  -463.171     3.482  -275.336     8.873  -150.604    41.949
                -612.964   -18.249  -303.274   -61.357    65.436  -141.565
.
11574   6.021  -768.261     8.805  -391.575    17.261 -1271.623    68.572
                -166.476   -25.129  -122.169   -74.696  -457.226  -236.033
.
.
11581        0   -27.743    22.642  -303.018     6.239    20.655   -23.091
                 -92.675   -11.401  -858.981    29.428   168.040    18.237
.
11581   1.155   -77.065   -13.040  -816.974    66.804  -879.472     9.322
                 -64.665    30.335  -290.621     7.630  -282.070     6.667
.
11581   2.310   -82.095   -11.399  -868.406    29.740 -1848.978    -9.373
```



```
                 -64.665    30.335  -290.621     7.630  -617.674    41.697
.
.
11582        0  -148.284   -27.285 -1892.474   166.035 -1840.946    13.462
                 -92.003    44.491  -897.495    33.633  -524.583     7.552
.
11582   0.150   -169.765   -23.227 -2163.517    88.388 -2159.600     5.546
                -137.063    59.583  -801.818    25.976  -646.539    25.209
.
11582   0.301   -169.765   -23.227 -2163.517    88.388 -2485.067     2.052
                -137.063    59.583  -801.818    25.976  -767.160    34.172
.
.
11583        0   583.327     2.978  -131.304     7.610  -139.379    -6.535
                 320.882    15.845  -219.100    16.118    71.100     2.533
.
11583   1.000   688.077     4.849  -262.201     8.134  -308.001    -3.102
                 205.642    10.211  -129.455    10.536   -91.381    16.966
.
11583   2.000   674.146     2.686  -284.491    10.781  -588.703     1.343
                 246.037    10.574   -49.289     3.760  -147.423    23.388
.
.
11584        0   581.427     7.475   181.088     3.992  -419.120   -13.029
                 293.017   -16.932   -30.137    -1.041   -84.449    27.840
.
11584   1.000   595.354     5.312   158.799     6.641  -241.815    -7.316
                 243.086    -8.445    21.328    -4.203   -96.688    10.564
.
11584   2.000   512.572 -0.276986    26.449     4.907  -188.002    -6.366
                 290.619    -7.535   110.842    -1.201     1.715     2.146
.
.
11585        0   -95.159    24.383  1512.350   -52.876 -1876.060    -7.190
                 -53.827   -44.343   697.308   -18.687  -809.483    12.402
.
11585   0.150   -95.159    24.383  1512.350   -52.876 -1648.551    -3.522
                 -63.738   -44.490   824.337   -28.442  -699.297     9.127
.
11585   0.301   -88.974    23.087  1431.127   -23.548 -1430.498    -2.105
                 -63.738   -44.490   824.337   -28.442  -575.288     2.434
.
.
11586        0   -48.357    11.374   636.183   -11.891 -1416.849   -13.245
                 -25.863   -22.517   278.031    -1.002  -614.555    28.464
.
11586   1.155   -47.909    11.221   631.028   -10.320  -685.263 -0.394034
                 -25.863   -22.517   278.031    -1.002  -293.489     2.461
.
11586   2.310     9.499   -29.873   305.552    -6.769    -8.018   -33.344
                 -58.935    11.376   626.757   -11.579    63.832    14.310
.
.
.ID GWS3MZ,STATIK2,1.58
.UN  M,KN
.EL !LPILA.001
.SK 3
.TP 12
.TK 6
```

ENVOLVENTE para < Mz > (y valores concomitantes)
(1. l¡nea: MIN., 2. l¡nea: MAX.)

Barra	Distancia [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
11203	0	-1.248	1.041	-242.340	24.396	-0.001454	-4.880
		-21.641	11.726	-287.556	29.189	-0.001725	23.015
11203	0.150	-1.248	1.041	-242.340	24.396	-36.351	-4.724
		-21.641	11.726	-287.556	29.189	-43.133	24.774
11203	0.300	-1.248	1.041	-242.340	24.396	-72.701	-4.568
		-21.641	11.726	-287.556	29.189	-86.265	26.532
11204	0	-3.785	-19.462	-412.067	-39.201	-0.002472	-5.753
		20.689	-0.541336	-156.939	-16.521	-0.000942	23.283
11204	0.150	-3.759	-19.500	-414.792	-38.608	-62.219	-8.674
		20.662	-0.503376	-154.213	-17.114	-23.132	23.204
11204	0.300	-3.759	-19.500	-414.792	-38.608	-124.435	-11.599
		20.662	-0.503376	-154.213	-17.114	-46.263	23.128
11208	0	-1899.987	681.450	9.767	3.395	-45.287	-2425.001
		-836.956	264.234	48.672	14.282	-8.532	-780.762
11208	2.250	-1921.920	672.165	8.054	-1.849	-24.928	-910.837
		-671.313	291.984	58.014	27.971	124.809	-154.757
11208	4.500	-604.683	256.699	49.683	15.850	234.039	312.206
		-1444.266	613.818	-16.533	21.089	48.451	760.216
11209	0	-811.994	-252.689	46.447	-11.690	-2.395	757.133
		-1344.149	-520.148	-4.905	-3.022	43.527	1765.652
11209	2.250	-564.868	-330.237	45.135	-16.421	111.251	107.445
		-1366.082	-510.863	-6.619	2.224	30.875	614.402
11209	4.500	-1230.074	-581.678	-7.145	-1.405	-13.533	-874.714
		-675.364	-226.650	51.234	-7.934	245.092	-183.232
11210	0	-1911.985	196.003	1.976	1.945	-22.156	-420.345
		-379.383	83.825	58.765	0.941752	244.871	-15.559
11210	2.250	-1581.762	151.915	60.070	0.881428	352.146	-30.427
		-710.888	158.901	5.297	6.328	-8.155	264.696
11210	4.500	-537.545	69.078	56.386	-1.916	505.264	234.427
		-904.841	174.256	5.497	6.772	4.236	637.687
11211	0	-290.252	-89.600	54.503	2.683	231.433	-105.712
		-1531.828	-156.691	-3.367	2.296	-8.748	236.652
11211	2.250	-620.476	-133.688	-3.579	1.606	-15.796	-358.374
		-1024.868	-60.055	56.032	7.641	414.246	14.378
11211	4.500	-943.729	-159.279	-3.244	0.864607	-23.056	-684.954
		-830.916	-44.700	55.831	8.086	539.838	-105.263
11259	0	38.277	-0.014819	-2.229	0.985064	51.265	-17.906
		4.171	-0.658641	-28.175	-4.114	128.522	71.609
11259	2.000	-16.503	-3.576	-38.961	-1.081	60.330	-19.986
		-43.468	1.767	-57.212	-4.621	83.234	72.502
11259	4.000	-16.514	-4.180	-52.120	-3.835	-43.905	-28.230
		-40.499	4.425	-52.162	-0.943753	-12.008	81.222
11260	0	-57.992	-11.994	-1502.153	52.643	1498.976	-25.823
		25.121	-98.379	-1519.945	-1028.663	988.911	160.171
11260	1.000	-71.514	-12.803	-976.181	40.835	22.997	-38.449
		43.945	-73.757	-2489.129	-873.913	-777.746	63.261
11260	2.000	-71.543	-104.210	-974.833	-788.827	-951.575	-102.401
		43.977	9.245	-2490.616	-120.605	-3268.507	35.962
11261	0	21.531	106.570	1147.954	894.681	-1384.493	-70.738
		131.416	-13.628	2151.890	67.947	-2832.492	49.727
11261	1.000	23.495	5.256	1346.901	-81.980	-301.309	-17.151
		131.387	77.780	2150.543	897.609	-740.466	76.350
11261	2.000	37.994	4.403	1870.632	-102.700	1583.212	-12.152
		80.547	94.145	1459.417	1025.006	955.100	166.822
11270	0	-2992.930	5.480	49.416	20.991	400.042	-3160.840
		-3014.344	186.276	148.330	60.355	1392.702	2447.638
11270	0.1000	-2992.930	5.480	49.416	20.991	404.984	-3160.292
		-3014.344	186.276	148.330	60.355	1407.534	2466.265
11270	0.200	-2992.930	5.480	49.416	20.991	409.925	-3159.744
		-3014.344	186.276	148.330	60.355	1422.367	2484.892
11271	0	-461.621	-2.159	88.183	11.757	-203.579	-53.418
		-521.276	-37.208	54.910	-27.438	-149.566	247.995
11271	2.462	-461.552	-2.364	88.206	11.444	13.513	-59.229
		-702.026	-26.422	111.926	-35.678	33.943	166.836
11271	4.924	-461.144	-34.272	88.157	-8.906	230.539	-67.756
		-702.434	5.486	111.974	-15.327	309.663	104.489
11272	0	-712.501	51.865	67.460	45.346	-14.772	-264.163
		-481.530	-11.216	54.570	-13.200	-33.847	80.471

.							
11272	2.462	-684.175	29.042	121.505	38.756	36.544	-161.068
		-443.759	2.046	96.837	-10.288	14.033	62.658
.							
11272	4.924	-684.583	-2.866	121.554	18.405	335.850	-92.269
		-443.351	33.954	96.788	10.062	252.309	70.402
.							
.							
11273	0	-656.729	-28.959	-300.383	-113.761	820.785	-193.284
		-462.347	-0.887351	-236.612	17.449	647.504	49.559
.							
11273	3.013	-656.729	-28.959	-300.383	-113.761	-83.452	-280.457
		-462.347	-0.887351	-236.612	17.449	-64.763	37.888
.							
11273	6.021	-683.250	-29.783	-318.814	-113.634	-1001.410	-369.100
		-462.450	-0.733667	-236.632	17.696	-777.048	35.363
.							
.							
11274	0	-481.402	0.477577	-251.394	-17.171	748.606	-49.350
		-608.605	30.862	-305.869	113.963	850.791	177.498
.							
11274	3.010	-481.402	0.477577	-251.394	-17.171	-8.161	-47.913
		-608.605	30.862	-305.869	113.963	-69.959	270.400
.							
11274	6.021	-481.505	0.323890	-251.415	-17.418	-764.945	-46.621
		-650.354	32.258	-320.493	114.420	-983.460	365.693
.							
.							
11281	0	-86.600	2.536	-793.174	-93.047	117.455	-13.361
		-41.372	-42.245	-439.945	35.624	37.827	43.703
.							
11281	1.155	-86.553	-30.575	-792.677	-95.482	-797.926	-19.303
		-50.095	-1.618	-531.911	67.537	-565.511	10.058
.							
11281	2.310	-86.674	-39.663	-678.590	-61.764	-1471.468	-61.392
		-50.095	-1.618	-531.911	67.537	-1179.753	8.190
.							
.							
11282	0	-201.061	4.422	-1608.048	-168.743	-1413.359	-28.425
		-76.844	-69.324	-996.777	81.127	-750.772	14.370
.							
11282	0.150	-200.979	-69.078	-1606.997	-174.799	-1654.084	-35.886
		-76.935	-2.488	-997.938	86.570	-902.034	11.329
.							
11282	0.301	-200.979	-69.078	-1606.997	-174.799	-1895.831	-46.278
		-76.935	-2.488	-997.938	86.570	-1052.158	10.955
.							
.							
11283	0	416.489	11.252	-150.963	13.907	-41.624	-24.725
		635.393	-35.048	-223.277	-33.212	-63.977	29.179
.							
11283	1.000	352.468	-37.535	-177.786	-31.078	-163.735	-25.252
		604.427	24.116	-174.898	22.441	-272.784	3.915
.							
11283	2.000	634.950	-50.218	-223.223	-39.709	-510.273	-71.880
		416.932	26.422	-151.017	20.404	-343.778	28.743
.							
.							
11284	0	506.115	32.289	97.564	13.871	-305.781	-51.096
		351.140	-18.453	117.390	-15.154	-254.697	21.199
.							
11284	1.000	288.050	25.238	74.327	13.851	-121.245	-21.166
		498.134	-3.721	33.266	-9.938	-204.174	5.017
.							
11284	2.000	350.697	-3.282	117.336	-8.657	-19.793	-16.332
		526.413	19.210	134.031	11.924	-79.832	18.736
.							
.							
11285	0	-109.709	61.114	1406.690	112.943	-1633.162	-32.114
		16.309	0.222583	766.876	-14.226	-1027.412	22.427
.							
11285	0.150	-109.709	61.114	1406.690	112.943	-1421.548	-22.920
		16.309	0.222583	766.876	-14.226	-912.048	22.461
.							
11285	0.301	-109.799	-5.046	1407.851	107.500	-1211.072	-16.288
		16.391	73.141	765.825	-8.170	-795.661	25.332
.							
.							
11286	0	-51.610	40.561	547.659	21.481	-1227.083	-55.212
		7.621	-0.245387	323.286	-8.118	-746.568	4.526
.							
11286	1.155	-54.079	31.816	572.039	28.138	-619.504	-9.109
		7.621	-0.245387	323.286	-8.118	-373.242	4.242
.							
11286	2.310	-53.419	-1.801	566.856	23.955	44.242	-6.973
		-7.761	41.353	330.967	-1.692	9.392	46.096
.							
.							
11303	0	-1.855	1.115	-266.368	25.806	-0.001598	-6.346
		-12.411	6.475	-411.890	32.305	-0.002471	13.113
.							
11303	0.150	-1.855	1.115	-266.368	25.806	-39.955	-6.178
		-10.758	19.424	-311.615	36.178	-46.742	14.186
.							
11303	0.300	-1.855	1.115	-266.368	25.806	-79.909	-6.011
		-10.758	19.424	-311.615	36.178	-93.483	17.100
.							
.							
11304	0	-7.502	-6.751	-581.447	-35.445	-0.003489	-7.052
		8.330	-0.839009	-186.909	-21.790	-0.001121	13.182
.							
11304	0.150	-5.943	-19.681	-475.862	-40.721	-71.379	-9.166
		8.330	-0.839009	-186.909	-21.790	-28.036	13.056
.							
11304	0.300	-5.943	-19.681	-475.862	-40.721	-142.755	-12.118
		8.330	-0.839009	-186.909	-21.790	-56.071	12.930
.							
.							
11308	0	-2082.591	758.018	34.321	8.662	-28.017	-2686.393
		-925.929	306.176	-3.607	-1.295	-1.038	-907.615
.							
11308	2.250	-2104.599	748.754	33.472	6.224	48.320	-1000.018
		-758.844	332.407	-1.468	4.594	0.746315	-189.230
.							
11308	4.500	-691.971	294.677	-2.251	2.206	6.227	358.671
		-1610.599	688.018	5.380	22.980	163.381	851.402
.							
.							

11309	0	-901.320	-294.503	-5.228	2.241	4.290	883.790
		-1532.066	-604.185	19.833	-11.552	60.578	2053.061
.							
11309	2.250	-653.750	-371.092	-6.902	-1.363	1.575	139.092
		-1554.074	-594.921	18.984	-9.117	104.319	712.794
.							
11309	4.500	-1414.713	-660.725	19.235	-11.887	120.605	-971.093
		-763.432	-264.377	-4.621	4.825	-1.407	-228.438
.							
.							
11310	0	-2082.150	216.323	31.626	0.227531	122.591	-451.474
		-446.393	94.959	-1.308	0.904945	7.456	-18.490
.							
11310	2.250	-1704.252	165.934	0.259837	0.962624	-19.027	-23.147
		-827.654	176.148	30.484	2.327	188.577	290.599
.							
11310	4.500	-613.777	79.187	-0.891091	1.085	0.846797	268.941
		-1049.722	193.811	30.407	2.569	257.584	704.810
.							
.							
11311	0	-358.887	-100.581	-3.306	0.666939	-9.857	-102.736
		-1703.636	-176.916	28.409	1.890	131.082	267.943
.							
11311	2.250	-736.780	-150.971	28.067	1.396	195.477	-387.416
		-1132.116	-72.254	-5.351	3.199	4.503	6.154
.							
11311	4.500	-1106.892	-180.409	27.940	0.990591	259.328	-756.909
		-910.049	-54.591	-5.275	3.442	-7.959	-138.517
.							
.							
11359	0	30.981	0.040063	-2.343	1.181	59.237	-17.457
		28.267	-0.067103	-16.785	-2.092	120.006	52.545
.							
11359	2.000	-21.020	-3.662	-51.383	-1.838	67.528	-19.361
		-48.659	4.427	-52.217	-0.627073	104.404	56.038
.							
11359	4.000	-21.040	-3.936	-51.490	-3.073	-35.443	-27.007
		-48.640	4.701	-52.110	0.608138	0.183862	65.215
.							
.							
11360	0	16.045	-7.858	-2364.753	53.583	1774.134	-23.511
		31.703	-34.162	-2126.502	-514.301	1293.545	87.922
.							
11360	1.000	-0.839127	-10.534	-1768.395	74.368	-623.824	-32.977
		48.587	-31.485	-2722.860	-535.086	-799.573	55.371
.							
11360	2.000	-0.772538	-57.568	-1771.375	-351.974	-2395.615	-69.873
		48.520	15.548	-2719.880	-108.744	-3518.857	50.248
.							
.							
11361	0	27.114	52.728	1497.295	349.365	-1837.562	-50.553
		76.321	-14.114	2333.134	109.178	-2723.443	43.517
.							
11361	1.000	27.048	5.694	1494.316	-76.977	-339.839	-18.496
		76.388	32.919	2336.114	535.520	-390.889	50.073
.							
11361	2.000	39.126	1.557	1794.854	2.807	1522.970	-14.182
		59.505	35.584	1739.763	514.726	1315.496	84.078
.							

.							
11370	0	-4512.629	6.508	86.117	11.578	786.483	-3291.508
		-2236.633	187.482	-6.039	29.283	-1.262	2545.579
.							
11370	0.1000	-4512.629	6.508	86.117	11.578	795.094	-3290.857
		-2236.633	187.482	-6.039	29.283	-1.866	2564.327
.							
11370	0.200	-4512.629	6.508	86.117	11.578	803.705	-3290.206
		-2236.633	187.482	-6.039	29.283	-2.470	2583.074
.							
.							
11371	0	-502.459	-2.234	91.706	10.817	-208.897	-52.134
		-603.344	-15.288	90.691	-21.009	-284.038	171.507
.							
11371	2.462	-502.459	-2.234	91.706	10.817	16.894	-57.635
		-770.804	-13.220	118.749	-28.993	38.953	137.894
.							
11371	4.924	-503.351	-20.369	91.803	-0.720475	242.986	-64.868
		-769.911	4.915	118.652	-17.455	331.025	107.077
.							
.							
11372	0	-784.894	36.702	74.839	35.984	-28.545	-204.558
		-526.768	-10.649	58.426	-13.149	-40.549	76.669
.							
11372	2.462	-752.944	15.377	128.191	31.009	41.427	-134.544
		-484.714	1.605	100.110	-10.516	17.248	59.059
.							
11372	4.924	-752.052	-2.758	128.094	19.471	356.747	-98.416
		-485.606	19.739	100.207	1.021	264.032	64.742
.							
.							
11373	0	-763.584	-10.529	-365.821	-69.904	948.319	-127.585
		-513.815	-1.016	-261.411	16.684	717.240	39.852
.							
11373	3.010	-807.873	-11.376	-396.374	-69.279	-83.192	-161.253
		-513.815	-1.016	-261.411	16.684	-69.679	36.793
.							
11373	6.021	-594.875	-12.098	-292.446	-69.111	-941.454	-196.152
		-726.814	-0.294672	-365.339	16.516	-1191.533	34.387
.							
.							
11374	0	-532.362	0.368520	-276.370	-16.551	818.642	-45.367
		-774.811	11.851	-392.075	69.360	1089.243	123.748
.							
11374	3.010	-532.362	0.368520	-276.370	-16.551	-13.310	-44.257
		-843.661	13.615	-416.554	69.687	-5.873	160.199
.							
11374	6.021	-745.363	-0.354506	-380.299	-16.384	-1180.196	-43.790
		-630.660	14.338	-312.626	69.520	-924.883	201.825
.							
.							
11381	0	-90.916	5.646	-843.234	-92.301	65.604	-21.796
		-56.381	-20.739	-596.206	64.863	49.677	32.174
.							
11381	1.155	-95.446	-14.651	-885.929	-107.163	-904.204	-18.343
		-55.617	-1.877	-590.191	67.585	-629.133	10.119
.							
11381	2.310	-95.446	-14.651	-885.929	-107.163	-1927.260	-35.262
		-55.617	-1.877	-590.191	67.585	-1310.675	7.952

.							
.							
11382	0	-190.503	10.083	-2134.460	-292.368	-1897.093	-22.224
		-86.812	-40.403	-1120.351	82.636	-882.207	14.076
.							
11382	0.150	-190.687	-27.626	-2136.816	-295.088	-2221.087	-24.293
		-86.629	-2.694	-1117.994	85.357	-1047.848	11.583
.							
11382	0.301	-190.687	-27.626	-2136.816	-295.088	-2542.537	-28.449
		-86.629	-2.694	-1117.994	85.357	-1216.032	11.178
.							
.							
11383	0	464.082	25.774	-157.783	19.719	-55.644	-23.650
		708.838	-45.438	-236.132	-36.281	-84.028	32.270
.							
11383	1.000	497.946	-43.083	-205.599	-37.873	-229.868	-14.717
		674.974	23.418	-188.316	21.310	-303.704	3.674
.							
11383	2.000	708.895	-45.154	-236.073	-36.758	-556.239	-58.684
		464.025	25.490	-157.843	20.196	-371.233	27.978
.							
.							
11384	0	597.477	28.445	155.464	17.389	-400.210	-37.910
		395.642	-19.420	132.448	-13.729	-288.265	21.502
.							
11384	1.000	362.193	19.353	92.864	13.494	-151.487	-10.866
		555.027	-11.487	98.177	-9.927	-230.047	3.972
.							
11384	2.000	395.699	-19.704	132.388	-13.252	-23.465	-17.987
		597.420	28.729	155.524	16.912	-89.210	19.628
.							
.							
11385	0	-124.689	29.339	1603.773	134.686	-1898.128	-25.613
		8.156	-0.301141	875.994	-10.444	-1165.447	14.102
.							
11385	0.150	-124.689	29.339	1603.773	134.686	-1656.865	-21.200
		-48.792	0.864752	937.397	-30.426	-1019.729	14.080
.							
11385	0.301	-124.505	-8.298	1601.416	131.965	-1413.059	-18.861
		-48.976	38.502	939.754	-27.705	-881.256	16.285
.							
.							
11386	0	-62.353	16.477	660.185	38.202	-1479.326	-27.623
		-26.138	-0.522155	400.243	-9.622	-896.468	3.375
.							
11386	1.155	-64.125	15.618	681.762	44.759	-729.820	-9.002
		-26.221	-0.317128	400.170	-9.567	-434.089	2.990
.							
11386	2.310	-63.361	-3.245	675.747	42.038	60.201	-10.852
		-27.471	19.067	415.520	-9.734	37.830	22.910
.							
.							
11403	0	5.950	0.586550	-188.378	17.268	-0.001130	-8.724
		-12.306	6.831	-595.588	38.044	-0.003574	12.399
.							
11403	0.150	5.950	0.586550	-188.378	17.268	-28.257	-8.637
		-12.306	6.831	-595.588	38.044	-89.338	13.423
.							
11403	0.300	5.950	0.586550	-188.378	17.268	-56.512	-8.549
		-8.826	19.729	-484.289	42.280	-145.283	15.341
.							
.							
11404	0	-8.255	-11.858	-303.703	-28.875	-0.001822	-8.862
		3.234	-1.195	-265.711	-27.188	-0.001594	11.573
.							
11404	0.150	-7.825	-19.372	-303.464	-34.719	-45.519	-11.015
		3.234	-1.195	-265.711	-27.188	-39.856	11.394
.							
11404	0.300	-7.825	-19.372	-303.464	-34.719	-91.037	-13.921
		3.234	-1.195	-265.711	-27.188	-79.711	11.215
.							
.							
11408	0	-2081.919	758.682	1.573	-12.692	-93.698	-2688.834
		-926.795	307.577	18.544	4.902	-39.923	-912.445
.							
11408	2.250	-2103.928	749.419	2.423	-10.254	-89.276	-1000.964
		-759.364	333.247	10.430	-2.430	-5.158	-190.236
.							
11408	4.500	-691.755	294.627	18.240	3.338	65.480	358.678
		-1523.778	674.558	-1.095	-16.708	-111.889	851.126
.							
.							
11409	0	-902.336	-295.786	17.983	-6.842	-36.020	888.139
		-1615.951	-601.446	-5.625	7.004	-84.129	2032.448
.							
11409	2.250	-653.790	-370.798	15.034	-7.302	12.417	138.634
		-1500.816	-582.730	-5.444	3.764	-56.399	704.434
.							
11409	4.500	-1414.753	-660.431	-11.103	3.223	-88.315	-970.890
		-763.320	-264.329	13.975	-7.807	43.475	-228.379
.							
.							
11410	0	-2081.943	216.310	-9.103	0.911155	-106.443	-451.479
		-446.227	94.937	18.887	-1.254	66.506	-18.466
.							
11410	2.250	-1704.045	165.921	22.264	0.176063	85.850	-23.181
		-827.494	176.199	-18.775	-2.330	-147.271	290.625
.							
11410	4.500	-613.422	79.184	19.045	-1.118	155.142	268.965
		-1049.562	193.862	-18.698	-2.572	-189.933	704.950
.							
.							
11411	0	-358.723	-100.545	19.902	-0.066662	42.959	-102.857
		-1703.378	-176.996	-9.356	-1.751	-104.820	268.068
.							
11411	2.250	-736.617	-150.934	-11.471	-0.795393	-125.037	-387.455
		-1132.016	-72.241	15.899	-2.989	63.606	6.169
.							
11411	4.500	-1106.728	-180.372	-11.344	-0.390315	-151.550	-756.866
		-909.949	-54.578	15.823	-3.232	99.800	-138.472
.							
.							
11459	0	-4.478	0.247175	-15.410	2.051	121.159	-35.892
		59.653	0.133338	-3.672	-1.224	58.960	33.954
.							
11459	2.000	-50.871	-3.107	-37.542	0.036230	102.138	-37.057
		-19.683	4.907	-65.614	1.256	70.035	38.028
.							

11459	4.000	-50.851	-3.381	-37.435	-1.199	27.267	-43.593
		-19.702	5.181	-65.721	2.491	-61.398	48.165
.							
.							
11460	0	27.065	23.670	-1550.191	329.036	1066.970	-55.838
		16.935	-18.500	-2560.925	-321.497	1835.904	65.521
.							
11460	1.000	47.662	4.615	-2525.856	262.081	-664.574	-39.312
		0.051038	-15.824	-1964.567	-342.281	-758.218	48.630
.							
11460	2.000	47.595	-42.418	-2522.877	-164.261	-3186.863	-61.058
		0.117628	31.210	-1967.547	84.061	-2726.173	59.169
.							
.							
11461	0	75.752	41.449	2249.053	164.805	-2629.148	-56.303
		27.851	-25.975	1580.877	-80.598	-1931.030	38.138
.							
11461	1.000	136.660	-14.141	2325.964	-295.108	-766.484	-37.532
		27.784	21.059	1577.898	345.744	-349.729	32.833
.							
11461	2.000	82.589	-25.489	1367.045	-288.731	947.260	-58.503
		44.667	23.724	2174.249	324.951	1857.741	54.979
.							
.							
11470	0	-4512.099	6.500	-31.356	4.996	-452.058	-3291.556
		-2236.313	187.477	36.481	-29.285	277.203	2545.580
.							
11470	0.1000	-4512.099	6.500	-31.356	4.996	-455.193	-3290.906
		-2236.313	187.477	36.481	-29.285	280.850	2564.326
.							
11470	0.200	-4512.099	6.500	-31.356	4.996	-458.329	-3290.256
		-2236.313	187.477	36.481	-29.285	284.498	2583.073
.							
.							
11471	0	-712.553	6.969	97.633	19.453	-198.723	-114.130
		-387.376	-7.352	80.447	-13.026	-283.165	108.572
.							
11471	2.462	-597.472	4.952	91.415	14.727	-33.973	-97.264
		-557.186	-4.321	110.825	-20.151	14.635	97.472
.							
11471	4.924	-596.580	-13.182	91.318	3.189	190.802	-86.803
		-558.078	13.813	110.921	-8.613	237.799	88.565
.							
.							
11472	0	-567.132	27.499	66.563	24.393	-32.070	-147.010
		-745.002	-19.448	65.320	-24.492	-33.723	132.848
.							
11472	2.462	-539.060	5.819	120.498	20.458	17.122	-98.096
		-695.246	-8.231	105.540	-20.846	41.890	94.434
.							
11472	4.924	-539.952	-12.316	120.595	8.920	314.102	-85.501
		-694.354	9.904	105.443	-9.308	301.441	75.900
.							
.							
11473	0	-539.627	-7.130	-277.817	-45.938	759.109	-85.001
		-747.603	7.332	-347.626	43.520	1001.345	82.567
.							
11473	3.010	-539.627	-7.130	-277.817	-45.938	-77.197	-106.465
		-747.603	7.332	-347.626	43.520	-45.107	104.638

.							
11473	6.021	-752.626	-7.851	-381.745	-45.770	-1248.438	-128.581
		-534.563	7.926	-243.689	43.153	-756.620	127.278
.							
.							
11474	0	-748.264	-3.418	-374.840	-39.588	1043.440	-78.066
		-506.529	7.103	-273.503	45.771	738.280	87.962
.							
11474	3.010	-702.739	-8.488	-346.314	-43.829	-35.434	-101.546
		-575.685	8.607	-297.804	45.966	0.243277	112.852
.							
11474	6.021	-489.697	-9.083	-242.376	-43.464	-742.997	-127.655
		-788.686	9.330	-401.732	45.799	-1231.163	139.405
.							
.							
11481	0	-59.456	9.822	-626.701	-75.137	101.496	-21.636
		-92.287	-15.539	-856.427	96.337	69.583	32.730
.							
11481	1.155	-58.692	-9.040	-620.687	-77.858	-612.528	-12.187
		-93.051	3.323	-862.442	99.059	-929.083	16.679
.							
11481	2.310	-58.692	-9.040	-620.687	-77.858	-1329.286	-22.627
		-93.515	9.515	-750.547	65.660	-1666.269	23.175
.							
.							
11482	0	-88.334	19.249	-1140.135	-89.963	-827.906	-15.255
		-174.093	-33.154	-1927.443	228.096	-1913.273	22.974
.							
11482	0.150	-88.150	-18.454	-1137.779	-92.684	-996.523	-15.944
		-174.282	4.549	-1929.800	230.816	-2206.125	21.571
.							
11482	0.301	-88.150	-18.454	-1137.779	-92.684	-1167.683	-18.720
		-205.209	13.814	-1656.018	150.786	-2115.668	23.091
.							
.							
11483	0	686.932	29.511	-173.259	25.408	-138.424	-23.077
		488.381	-40.937	-215.508	-30.241	-7.962	32.202
.							
11483	1.000	699.273	-38.582	-246.041	-31.833	-313.745	-10.285
		385.387	19.698	-148.351	18.971	-179.230	8.972
.							
11483	2.000	488.324	-40.653	-215.568	-30.718	-438.997	-49.752
		686.989	29.227	-173.199	25.885	-484.894	36.025
.							
.							
11484	0	378.473	19.956	134.906	13.230	-283.339	-26.655
		614.492	-27.335	156.810	-17.639	-408.509	32.209
.							
11484	1.000	589.417	17.889	165.381	14.340	-238.746	-7.876
		327.118	-15.454	68.298	-10.919	-137.200	8.080
.							
11484	2.000	614.436	-27.619	156.869	-17.162	-94.818	-23.109
		378.530	20.240	134.847	12.753	-13.622	13.906
.							
.							
11485	0	-60.801	18.656	1078.962	74.043	-1184.901	-21.093
		-113.633	-10.906	1451.763	-87.852	-1996.769	17.939
.							

11485	0.150	-60.801	18.656	1078.962	74.043	-1022.588	-18.286
		-125.911	-8.207	1618.830	-138.089	-1700.515	16.657
.							
11485	0.301	-60.985	-19.218	1081.318	71.323	-862.819	-17.590
		-125.727	29.668	1616.474	-135.368	-1454.443	17.533
.							
.							
11486	0	-26.192	10.582	400.113	10.249	-896.096	-16.123
		-59.359	-11.372	630.668	-28.817	-1414.567	19.290
.							
11486	1.155	-24.465	9.872	395.199	8.625	-428.436	-4.164
		-62.346	-5.975	660.064	-37.501	-716.304	7.733
.							
11486	2.310	-12.557	-13.140	382.330	-0.573870	12.612	-15.677
		-62.320	13.348	665.032	-38.154	62.810	21.229
.							
.							
11503	0	17.621	0.505148	-157.339	15.746	-0.000944	-20.138
		-9.732	6.708	-520.721	36.886	-0.003124	11.017
.							
11503	0.150	17.594	0.467189	-154.620	16.339	-23.193	-20.064
		-9.687	6.772	-525.252	35.898	-78.788	12.026
.							
11503	0.300	17.594	0.467189	-154.620	16.339	-46.385	-19.994
		-6.691	19.545	-422.844	40.064	-126.350	14.779
.							
.							
11504	0	-18.673	-11.690	-279.473	-27.728	-0.001677	-19.903
		3.836	-1.116	-241.763	-25.695	-0.001451	10.085
.							
11504	0.150	-18.673	-11.690	-279.473	-27.728	-41.921	-21.656
		3.836	-1.116	-241.763	-25.695	-36.264	9.917
.							
11504	0.300	-18.673	-11.690	-279.473	-27.728	-83.340	-23.410
		3.836	-1.116	-241.763	-25.695	-72.527	9.750
.							
.							
11508	0	-1900.324	682.032	26.101	-7.805	-77.240	-2427.108
		-837.979	265.161	-34.137	-10.585	-31.641	-783.926
.							
11508	2.250	-1922.257	672.747	27.814	-2.561	-16.899	-911.636
		-671.927	292.540	-49.293	-25.753	-129.292	-155.402
.							
11508	4.500	-605.199	256.944	-33.860	-10.561	-162.840	312.535
		-1444.975	613.403	-10.427	-0.982376	50.430	760.075
.							
.							
11509	0	-813.097	-253.556	-34.146	6.924	-28.278	760.032
		-1368.172	-522.116	20.789	-1.883	-50.845	1769.447
.							
11509	2.250	-565.442	-330.345	-37.104	7.315	-97.202	107.403
		-1390.104	-512.830	22.502	-7.129	-2.456	613.769
.							
11509	4.500	-1230.649	-581.786	15.176	-7.700	45.652	-874.999
		-675.700	-226.795	-41.879	4.892	-202.962	-183.410
.							
.							
11510	0	-1912.675	196.048	20.168	-0.996891	37.868	-420.441
		-379.876	83.889	-41.191	-1.282	-170.885	-15.629
.							
11510	2.250	-1582.452	151.960	-37.925	0.066914	-286.610	-30.422
		-711.152	158.967	6.278	-6.335	48.674	264.755
.							
11510	4.500	-537.923	69.151	-38.512	1.675	-350.241	234.686
		-905.104	174.322	6.078	-6.779	62.326	637.894
.							
.							
11511	0	-290.490	-89.673	-37.924	-2.310	-199.559	-105.713
		-1532.239	-156.801	22.211	-2.176	34.176	236.786
.							
11511	2.250	-620.713	-133.760	20.157	-1.234	84.971	-358.538
		-1025.164	-60.093	-45.487	-7.437	-346.131	14.333
.							
11511	4.500	-943.967	-159.352	19.823	-0.491930	129.530	-685.281
		-831.212	-44.739	-45.286	-7.882	-447.997	-105.395
.							
.							
11559	0	-13.045	0.763268	-27.379	4.090	128.708	-61.741
		64.967	0.191366	-3.523	-0.994165	51.417	34.130
.							
11559	2.000	-44.279	-1.019	-48.702	4.273	81.746	-61.338
		-15.583	4.921	-52.786	1.167	63.014	38.287
.							
11559	4.000	-44.273	-1.909	-22.788	0.212398	36.172	-65.084
		-15.594	5.525	-65.945	3.921	-68.869	49.221
.							
.							
11560	0	24.532	82.580	-1402.296	867.936	952.190	-134.976
		11.530	-14.300	-2343.513	-361.054	1635.545	66.905
.							
11560	1.000	38.055	81.771	-1928.268	856.128	-476.164	-53.032
		-2.968	-13.432	-1819.784	-340.321	-721.839	53.244
.							
11560	2.000	42.995	-35.578	-2294.535	-147.274	-2937.564	-46.636
		-70.833	89.252	-1093.774	631.465	-1152.052	98.119
.							
.							
11561	0	130.986	29.669	2102.079	93.299	-2836.826	-57.172
		22.025	-90.840	1198.630	-736.475	-1441.071	63.399
.							
11561	1.000	130.957	-61.738	2100.731	-736.364	-734.609	-67.754
		24.319	20.961	1431.361	345.658	-311.150	31.135
.							
11561	2.000	84.179	-79.108	1182.319	-847.393	1009.299	-142.761
		38.818	21.813	1955.091	366.378	1657.828	52.351
.							
.							
11570	0	-2994.157	5.327	4.430	-6.304	-73.732	-3162.359
		-3015.579	186.282	-117.603	-60.358	-1113.911	2447.636
.							
11570	0.1000	-2994.157	5.327	4.430	-6.304	-73.289	-3161.826
		-3015.579	186.282	-117.603	-60.358	-1125.671	2466.264
.							
11570	0.200	-2994.157	5.327	4.430	-6.304	-72.846	-3161.294
		-3015.579	186.282	-117.603	-60.358	-1137.431	2484.891
.							
.							

11571	0	-590.633	32.037	61.611	27.500	-104.801	-212.374
		-514.818	-4.482	106.389	-20.983	-250.429	108.697
11571	2.462	-518.767	30.945	54.986	23.480	1.556	-135.099
		-514.748	-4.277	106.412	-20.630	11.488	98.157
11571	4.924	-528.024	-13.638	81.851	-0.351691	162.181	-86.886
		-514.340	27.631	106.363	-0.279271	273.340	90.333
11572	0	-523.016	27.412	61.883	23.572	-23.296	-150.370
		-568.504	-41.978	53.960	-34.343	-47.872	219.980
11572	2.462	-496.712	5.417	116.127	20.004	14.078	-100.954
		-543.167	-33.937	79.016	-31.169	33.317	125.276
11572	4.924	-496.305	-26.490	116.079	-0.346366	299.851	-90.321
		-630.389	10.267	101.186	-8.471	285.837	71.429
11573	0	-488.773	-7.095	-253.094	-46.180	689.750	-84.826
		-645.851	24.244	-294.944	96.113	817.531	165.673
11573	3.010	-488.773	-7.095	-253.094	-46.180	-72.134	-106.184
		-645.851	24.244	-294.944	96.113	-70.332	238.654
11573	6.021	-488.876	-7.249	-253.115	-46.427	-834.037	-127.687
		-667.881	24.903	-309.026	96.083	-967.444	312.601
11574	0	-592.502	-25.906	-295.722	-96.419	823.613	-150.570
		-525.535	8.106	-273.088	45.969	827.678	92.648
11574	3.010	-592.502	-25.906	-295.722	-96.419	-66.594	-228.556
		-525.535	8.106	-273.088	45.969	5.606	117.048
11574	6.021	-624.386	-26.882	-307.672	-96.775	-953.046	-308.338
		-525.638	8.259	-273.108	46.216	-816.483	141.594
11581	0	-43.437	35.884	-461.255	-42.631	69.104	-43.663
		-83.576	-13.444	-762.767	82.761	65.495	28.735
11581	1.155	-53.537	-8.986	-567.427	-79.215	-554.396	-12.233
		-83.529	19.668	-762.269	85.195	-814.772	17.081
11581	2.310	-53.537	-8.986	-567.427	-79.215	-1209.651	-22.611
		-84.859	33.119	-660.346	55.592	-1460.507	52.502
11582	0	-78.721	48.261	-1021.191	-89.673	-704.914	-15.683
		-191.543	-17.795	-1487.910	131.295	-1412.794	28.400
11582	0.150	-78.811	-18.089	-1022.352	-95.117	-859.549	-15.811
		-191.461	55.218	-1486.858	137.352	-1635.446	33.850
11582	0.301	-78.811	-18.089	-1022.352	-95.117	-1013.646	-18.532
		-191.461	55.218	-1486.858	137.352	-1859.120	42.157

11583	0	611.207	19.906	-165.653	22.658	-111.616	-20.842
		442.591	-26.279	-205.147	-23.740	1.439	33.376
11583	1.000	630.529	-39.143	-229.082	-32.274	-283.902	-10.292
		337.956	28.449	-143.211	24.745	-157.745	21.170
11583	2.000	443.034	-41.449	-205.201	-30.237	-409.079	-50.146
		538.445	31.328	-146.262	21.990	-387.515	50.410
11584	0	334.330	19.543	116.019	14.942	-246.453	-27.079
		516.283	-31.722	99.804	-13.659	-312.044	47.515
11584	1.000	521.820	17.243	139.901	16.971	-210.454	-9.129
		281.055	-24.880	55.675	-14.529	-116.904	18.970
11584	2.000	543.361	-18.267	137.765	-11.570	-82.804	-22.818
		333.887	4.372	115.965	8.445	-14.291	12.633
11585	0	16.670	11.675	764.953	14.281	-1043.134	-27.301
		-100.467	-66.809	1288.622	-78.541	-1591.865	26.237
11585	0.150	16.670	11.675	764.953	14.281	-928.059	-25.544
		-110.387	-40.357	1414.978	-113.953	-1449.951	18.202
11585	0.301	16.752	-61.335	763.902	8.225	-811.961	-26.640
		-110.477	25.957	1416.139	-108.510	-1238.228	14.716
11586	0	-19.402	10.190	332.736	17.388	-742.424	-17.077
		-51.610	-34.531	547.832	-21.073	-1227.488	47.472
11586	1.155	-19.841	9.676	345.101	10.854	-376.314	-5.573
		-54.101	-21.597	572.330	-27.434	-618.831	7.938
11586	2.310	-7.634	-35.457	329.317	1.511	8.717	-40.207
		-54.866	11.779	581.975	-27.848	53.993	17.381

.ID GWS3KX,STATIK2,1.58
.UN M,KN
.EL !LPILA.001
.SK 3
.TP 12
.TK 6
ENVOLVENTE para < N > (y valores concomitantes)
(1. l¡nea: MIN., 2. l¡nea: MAX.)

Barra	Distancia [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
11270	0	-4470.793	56.232	-4.101	18.843	-62.552	434.848
		-1703.708	-0.015312	206.858	-0.409267	1903.635	-0.153974
11270	0.1000	-4470.793	56.232	-4.101	18.843	-62.962	440.471
		-1703.708	-0.015312	206.858	-0.409267	1924.320	-0.155505

```
11270    0.200 -4470.793    56.232    -4.101    18.843   -63.372   446.094
              -1703.708 -0.015312   206.858 -0.409267  1945.005 -0.157037
.
.
11370        0 -4990.812  0.288035    84.246  0.853428   780.813  -127.406
              -1949.723   112.778    -4.367    16.173     7.103  1134.404
.
11370   0.1000 -4990.812  0.288035    84.246  0.853428   789.237  -127.378
              -1949.723   112.778    -4.367    16.173     6.667  1145.681
.
11370   0.200 -4990.812  0.288035    84.246  0.853428   797.661  -127.349
              -1949.723   112.778    -4.367    16.173     6.230  1156.958
.
.
11470        0 -4990.281  0.287541   -29.389  0.436976  -445.648  -127.409
              -1949.192    56.346    56.184    -7.259   462.596   566.767
.
11470   0.1000 -4990.281  0.287541   -29.389  0.436976  -448.587  -127.381
              -1949.192    56.346    56.184    -7.259   468.214   572.401
.
11470   0.200 -4990.281  0.287541   -29.389  0.436976  -451.525  -127.352
              -1949.192    56.346    56.184    -7.259   473.832   578.036
.
.
11570        0 -4472.303    56.224    58.329   -17.655   392.318   434.740
              -1704.656 -0.017863  -176.438  0.447762 -1627.730 -0.179649
.
11570   0.1000 -4472.303    56.224    58.329   -17.655   398.151   440.362
              -1704.656 -0.017863  -176.438  0.447762 -1645.374 -0.181435
.
11570   0.200 -4472.303    56.224    58.329   -17.655   403.984   445.984
              -1704.656 -0.017863  -176.438  0.447762 -1663.017 -0.183221
.
.
.ID GWS3KZ,STATIK2,1.58
.UN  M,KN
.EL !LPILA.001
.SK 3
.TP 12
.TK 6
ENVOLVENTE para < Vz > (y valores concomitantes)
(1. l¡nea: MIN., 2. l¡nea: MAX.)

Barra  Distancia        N         Vy         Vz         Mx         My         Mz
          [m]        [kN]       [kN]       [kN]      [kNm]      [kNm]      [kNm]
-------------------------------------------------------------------------------
11203        0    -19.939      1.039   -485.573     32.636 -0.002913     19.528
              -0.262503      5.954   -135.976     18.567 -0.000816     -1.186
.
11203    0.150    -19.939      1.039   -485.573     32.636    -72.836     19.684
              -0.262503      5.954   -135.976     18.567    -20.396 -0.292605
.
11203    0.300    -19.939      1.039   -485.573     32.636   -145.669     19.840
              -0.262503      5.954   -135.976     18.567    -40.792  0.600391
.
.
11204        0     -3.031     -1.028   -556.234    -66.327 -0.003337     -4.100
               14.966        -6.008   -149.223    -21.450 -0.000895     16.215
.
```

```
11204    0.150     -3.031     -1.028   -556.234    -66.327    -83.435     -4.255
               14.966        -6.008   -149.223    -21.450    -22.384     15.314
.
11204    0.300     -3.031     -1.028   -556.234    -66.327   -166.867     -4.409
               14.966        -6.008   -149.223    -21.450    -44.766     14.412
.
.
11208        0 -1738.673    638.239    -40.892     19.575    236.233 -2238.372
              -915.709      380.971     83.152     20.706    -92.945 -1255.700
.
11208    2.250 -1738.673    638.239    -40.892     19.575    144.229  -802.391
              -915.709      380.971     83.152     20.706     94.140  -398.549
.
11208    4.500 -1738.673    638.239    -40.892     19.575     52.226   633.590
              -915.709      380.971     83.152     20.706    281.224   458.601
.
.
11209        0 -1130.106   -503.497    -21.529     -2.177     50.034  1564.315
              -661.818     -313.272     73.813    -14.474     -5.320   932.264
.
11209    2.250 -1130.106   -503.497    -21.529     -2.177      1.596   431.491
              -661.818     -313.272     73.813    -14.474    160.754   227.431
.
11209    4.500 -1130.106   -503.497    -21.529     -2.177    -46.843  -701.332
              -661.818     -313.272     73.813    -14.474    326.827  -477.402
.
.
11210        0 -1649.208    186.646    -10.286     -2.276    117.655  -309.851
              -757.354      116.365     80.969      4.998    246.589  -178.551
.
11210    2.250 -1649.208    186.646    -10.286     -2.276     94.512   110.085
              -757.354      116.365     80.969      4.998    428.761    82.960
.
11210    4.500 -1649.208    186.646    -10.286     -2.276     71.370   530.021
              -757.354      116.365     80.969      4.998    610.933   344.771
.
.
11211        0 -1321.331   -111.310    -11.624      7.611     63.613   147.864
              -732.101      -88.441     74.427  0.188478    263.151   109.502
.
11211    2.250 -1321.331   -111.310    -11.624      7.611     37.460  -102.574
              -732.101      -88.441     74.427  0.188478    430.606   -89.483
.
11211    4.500 -1321.331   -111.310    -11.624      7.611     11.306  -353.012
              -732.101      -88.441     74.427  0.188478    598.061  -288.468
.
.
11259        0    -40.007    -2.584    -93.126     -5.029    278.846    31.669
              -17.960       0.224380    23.156     1.398      2.157    14.700
.
11259    2.000    -40.007    -2.584    -93.126     -5.029     92.601    26.501
              -17.960       0.224380    23.156     1.398     48.468    15.148
.
11259    4.000    -40.007    -2.584    -93.126     -5.029    -93.644    21.333
              -17.960       0.224380    23.156     1.398     94.778    15.597
.
.
11260        0     40.594    -1.384  -2771.797     26.253   1602.707    -8.798
               -72.068      -98.118   -430.062   -838.991    945.632   117.316
```

```
.
11260   1.000    40.594    -1.384 -2771.797    26.253 -1168.979   -10.182
                -72.068   -98.118  -430.062  -838.991   515.588    19.202
.
11260   2.000    40.594    -1.384 -2771.797    26.253 -3940.665   -11.567
                -72.068   -98.118  -430.062  -838.991    85.543   -78.913
.
.
11261       0    33.985    79.616   750.566   721.323  -162.607   -38.376
                 67.645    -4.303  2345.200   -30.478 -3061.089    10.280
.
11261   1.000    33.985    79.616   750.566   721.323   587.929    41.237
                 67.645    -4.303  2345.200   -30.478  -715.982     5.977
.
11261   2.000    33.985    79.616   750.566   721.323  1338.466   120.849
                 67.645    -4.303  2345.200   -30.478  1629.124     1.674
.
.
11270       0 -3745.786  0.135246   -17.671 -0.462023   176.194   -79.519
             -2319.002   112.063   211.815    36.073  1763.887  1069.659
.
11270  0.1000 -3745.786  0.135246   -17.671 -0.462023   174.427   -79.505
             -2319.002   112.063   211.815    36.073  1785.068  1080.865
.
11270   0.200 -3745.786  0.135246   -17.671 -0.462023   172.660   -79.492
             -2319.002   112.063   211.815    36.073  1806.248  1092.071
.
.
11271       0  -347.141   -32.874     1.626   -17.059    45.947   183.289
              -760.283    -2.970   140.895  0.934679  -321.305    -5.406
.
11271   2.462  -347.141   -32.874     1.626   -17.059    49.951   102.351
              -760.283    -2.970   140.895  0.934679    25.596   -12.718
.
11271   4.924  -347.141   -32.874     1.626   -17.059    53.955    21.412
              -760.283    -2.970   140.895  0.934679   372.496   -20.030
.
.
11272       0  -343.173    35.025    27.482    25.464   -11.907  -178.572
              -741.474     3.143   150.815  0.547213  -343.075     8.813
.
11272   2.462  -343.173    35.025    27.482    25.464    55.757   -92.336
              -741.474     3.143   150.815  0.547213    28.250    16.551
.
11272   4.924  -343.173    35.025    27.482    25.464   123.422    -6.099
              -741.474     3.143   150.815  0.547213   399.574    24.290
.
.
11273       0  -800.308     1.303  -395.539     3.955  1104.877    -3.256
              -295.580   -25.580  -146.500   -80.384   407.105  -114.322
.
11273   3.010  -800.308     1.303  -395.539     3.955   -85.805  0.665403
              -295.580   -25.580  -146.500   -80.384   -33.901  -191.325
.
11273   6.021  -800.308     1.303  -395.539     3.955 -1276.487     4.587
              -295.580   -25.580  -146.500   -80.384  -474.906  -268.328
.
.
11274       0  -843.163 -0.959571  -417.228    -3.559  1255.066    -7.740
              -166.304    29.750  -122.087    88.973   278.065   105.260
.
11274   3.010  -843.163 -0.959571  -417.228    -3.559 -0.907135   -10.628
              -166.304    29.750  -122.087    88.973   -89.449   194.815
.
11274   6.021  -843.163 -0.959571  -417.228    -3.559 -1256.880   -13.517
              -166.304    29.750  -122.087    88.973  -456.964   284.370
.
.
11281       0   -82.201  0.439031  -867.527    10.996   158.144  0.204405
               -38.158   -32.131  -289.236    -5.337    36.040    31.448
.
11281   1.155   -82.201  0.439031  -867.527    10.996  -843.661  0.711390
               -38.158   -32.131  -289.236    -5.337  -297.965    -5.657
.
11281   2.310   -82.201  0.439031  -867.527    10.996 -1845.466     1.218
               -38.158   -32.131  -289.236    -5.337  -631.969   -42.761
.
.
11282       0  -170.169     1.092 -2176.160    48.528 -1802.729 -0.787916
              -126.927   -73.126  -665.242   -14.772  -605.596   -14.911
.
11282   0.150  -170.169     1.092 -2176.160    48.528 -2130.097 -0.623569
              -126.927   -73.126  -665.242   -14.772  -705.672   -25.911
.
11282   0.301  -170.169     1.092 -2176.160    48.528 -2457.466 -0.459222
              -126.927   -73.126  -665.242   -14.772  -805.747   -36.912
.
.
11283       0   673.507    10.825  -285.600     3.985   -18.263   -11.314
               245.107   -17.500   -48.783    -6.881   -48.902     1.642
.
11283   1.000   673.507    10.825  -285.600     3.985  -303.852 -0.489535
               245.107   -17.500   -48.783    -6.881   -97.633   -15.858
.
11283   2.000   673.507    10.825  -285.600     3.985  -589.441    10.335
               245.107   -17.500   -48.783    -6.881  -146.464   -33.358
.
.
11284       0   292.500    22.365   -30.641     3.996   -83.703   -37.063
               581.379     5.409   180.686     3.767  -418.773    -5.432
.
11284   1.000   292.500    22.365   -30.641     3.996  -114.343   -14.699
               581.379     5.409   180.686     3.767  -238.095 -0.023390
.
11284   2.000   292.500    22.365   -30.641     3.996  -144.983     7.665
               581.379     5.409   180.686     3.767   -57.416     5.336
.
.
11285       0   -50.936    64.372   667.502    14.003  -866.832   -21.320
               -97.998    -4.528  1558.132    65.549 -1843.496     2.227
.
11285   0.150   -50.936    64.372   667.502    14.003  -766.417   -11.636
               -97.998    -4.528  1558.132    65.549 -1609.099     1.546
.
11285   0.301   -50.936    64.372   667.502    14.003  -666.002    -1.952
               -97.998    -4.528  1558.132    65.549 -1374.703   0.864832
.
.
```

11286	0	-25.378	32.591	277.195	1.510	-613.375	-41.215
		-48.496	-1.224	635.841	12.567	-1418.136	0.296113
11286	1.155	-25.378	32.591	277.195	1.510	-293.276	-3.580
		-48.496	-1.224	635.841	12.567	-683.878	-1.117
11286	2.310	-25.378	32.591	277.195	1.510	26.824	34.055
		-48.496	-1.224	635.841	12.567	50.381	-2.531
11303	0	-13.251	1.091	-525.724	34.014	-0.003154	11.935
		-1.260	6.074	-150.816	20.733	-0.000905	-1.543
11303	0.150	-13.251	1.091	-525.724	34.014	-78.858	12.098
		-1.260	6.074	-150.816	20.733	-22.622	-0.631716
11303	0.300	-13.251	1.091	-525.724	34.014	-157.714	12.262
		-1.260	6.074	-150.816	20.733	-45.244	0.279393
11304	0	-0.797343	-1.294	-624.078	-66.934	-0.003744	-0.581055
		3.220	-6.495	-181.783	-27.723	-0.001091	7.481
11304	0.150	-0.797343	-1.294	-624.078	-66.934	-93.611	-0.775185
		3.220	-6.495	-181.783	-27.723	-27.267	6.507
11304	0.300	-0.797343	-1.294	-624.078	-66.934	-187.219	-0.969315
		3.220	-6.495	-181.783	-27.723	-54.534	5.533
11308	0	-1902.432	711.850	-45.815	15.990	254.427	-2482.021
		-1279.541	490.458	58.852	2.434	-152.136	-1683.935
11308	2.250	-1902.432	711.850	-45.815	15.990	151.346	-880.423
		-1279.541	490.458	58.852	2.434	-19.726	-580.448
11308	4.500	-1902.432	711.850	-45.815	15.990	48.266	721.175
		-1279.541	490.458	58.852	2.434	112.685	523.039
11309	0	-1296.486	-574.221	-24.534	-2.710	67.347	1797.685
		-808.672	-395.895	46.542	-2.282	-11.910	1138.304
11309	2.250	-1296.486	-574.221	-24.534	-2.710	12.147	505.740
		-808.672	-395.895	46.542	-2.282	92.805	247.576
11309	4.500	-1296.486	-574.221	-24.534	-2.710	-43.053	-786.205
		-808.672	-395.895	46.542	-2.282	197.520	-643.152
11310	0	-1788.670	206.507	-15.037	-4.354	127.791	-327.649
		-1213.779	142.026	43.073	5.220	58.346	-278.025
11310	2.250	-1788.670	206.507	-15.037	-4.354	93.958	136.974
		-1213.779	142.026	43.073	5.220	150.257	41.522
11310	4.500	-1788.670	206.507	-15.037	-4.354	60.126	601.596
		-1213.779	142.026	43.073	5.220	247.169	361.068

11311	0	-1282.623	-155.484	-11.975	3.729	60.378	148.965
		-963.500	-112.999	37.586	-1.930	68.484	148.835
11311	2.250	-1282.623	-155.484	-11.975	3.729	33.436	-200.860
		-963.500	-112.999	37.586	-1.930	153.049	-105.403
11311	4.500	-1282.623	-155.484	-11.975	3.729	6.494	-550.684
		-963.500	-112.999	37.586	-1.930	237.615	-359.641
11359	0	-19.711	-1.941	-96.171	-2.363	264.031	0.647318
		-49.929	-0.289296	26.003	-0.692473	36.272	29.163
11359	2.000	-19.711	-1.941	-96.171	-2.363	71.697	-3.235
		-49.929	-0.289296	26.003	-0.692473	88.275	28.585
11359	4.000	-19.711	-1.941	-96.171	-2.363	-120.637	-7.118
		-49.929	-0.289296	26.003	-0.692473	140.279	28.006
11360	0	45.161	-44.229	-3032.496	-391.386	1791.382	59.008
		-69.568	-1.198	-548.116	-5.362	1066.632	-7.703
11360	1.000	45.161	-44.229	-3032.496	-391.386	-1240.992	14.781
		-69.568	-1.198	-548.116	-5.362	518.538	-8.901
11360	2.000	45.161	-44.229	-3032.496	-391.386	-4273.366	-29.445
		-69.568	-1.198	-548.116	-5.362	-29.557	-10.098
11361	0	37.864	-3.523	872.782	-30.918	-275.601	5.601
		72.758	41.240	2608.204	389.286	-3399.022	-17.741
11361	1.000	37.864	-3.523	872.782	-30.918	597.146	2.078
		72.758	41.240	2608.204	389.286	-790.922	23.497
11361	2.000	37.864	-3.523	872.782	-30.918	1469.893	-1.446
		72.758	41.240	2608.204	389.286	1817.178	64.735
11370	0	-4214.679	59.522	-27.739	-6.996	140.638	-803.082
		-3025.967	0.199871	103.226	1.769	661.109	-92.353
11370	0.1000	-4214.679	59.522	-27.739	-6.996	137.864	-797.130
		-3025.967	0.199871	103.226	1.769	671.431	-92.333
11370	0.200	-4214.679	59.522	-27.739	-6.996	135.090	-791.178
		-3025.967	0.199871	103.226	1.769	681.754	-92.313
11371	0	-384.868	0.956299	5.619	1.556	38.937	11.406
		-838.444	-20.852	149.903	-11.370	-338.255	87.570
11371	2.462	-384.868	0.956299	5.619	1.556	52.773	13.761
		-838.444	-20.852	149.903	-11.370	30.823	36.230
11371	4.924	-384.868	0.956299	5.619	1.556	66.608	16.115
		-838.444	-20.852	149.903	-11.370	399.901	-15.110

.							
.							
11372	0	-379.645	2.475	30.143	4.537	-16.163	-25.929
		-819.452	20.639	159.871	11.875	-360.232	-85.473
.							
11372	2.462	-379.645	2.475	30.143	4.537	58.052	-19.836
		-819.452	20.639	159.871	11.875	33.388	-34.657
.							
11372	4.924	-379.645	2.475	30.143	4.537	132.267	-13.743
		-819.452	20.639	159.871	11.875	427.008	16.159
.							
.							
11373	0	-891.673	-12.734	-440.412	-41.155	1230.207	-64.463
		-338.859	0.942259	-167.723	-1.051	466.407	-7.506
.							
11373	3.010	-891.673	-12.734	-440.412	-41.155	-95.555	-102.795
		-338.859	0.942259	-167.723	-1.051	-38.486	-4.669
.							
11373	6.021	-891.673	-12.734	-440.412	-41.155	-1421.317	-141.127
		-338.859	0.942259	-167.723	-1.051	-543.378	-1.833
.							
.							
11374	0	-933.733	12.505	-461.999	41.270	1379.748	60.541
		-208.312	0.349377	-143.044	1.818	336.005	-7.436
.							
11374	3.010	-933.733	12.505	-461.999	41.270	-10.997	98.183
		-208.312	0.349377	-143.044	1.818	-94.598	-6.385
.							
11374	6.021	-933.733	12.505	-461.999	41.270	-1401.741	135.825
		-208.312	0.349377	-143.044	1.818	-525.201	-5.333
.							
.							
11381	0	-91.287	-17.443	-963.336	1.048	161.402	18.255
		-42.442	0.770579	-333.794	-9.721	37.917	-2.745
.							
11381	1.155	-91.287	-17.443	-963.336	1.048	-951.042	-1.888
		-42.442	0.770579	-333.794	-9.721	-347.543	-1.855
.							
11381	2.310	-91.287	-17.443	-963.336	1.048	-2063.486	-22.031
		-42.442	0.770579	-333.794	-9.721	-733.003	-0.965550
.							
.							
11382	0	-186.349	-34.555	-2380.199	28.171	-2016.921	1.591
		-135.036	2.031	-762.123	-17.674	-705.899	-9.920
.							
11382	0.150	-186.349	-34.555	-2380.199	28.171	-2374.985	-3.607
		-135.036	2.031	-762.123	-17.674	-820.548	-9.615
.							
11382	0.301	-186.349	-34.555	-2380.199	28.171	-2733.048	-8.805
		-135.036	2.031	-762.123	-17.674	-935.198	-9.309
.							
.							
11383	0	752.732	-0.091013	-306.404	1.002	-32.032	-7.702
		283.604	-2.256	-59.447	-1.348	-55.062	1.912
.							
11383	1.000	752.732	-0.091013	-306.404	1.002	-338.423	-7.793
		283.604	-2.256	-59.447	-1.348	-114.507	-0.344740
.							
11383	2.000	752.732	-0.091013	-306.404	1.002	-644.815	-7.884
		283.604	-2.256	-59.447	-1.348	-173.951	-2.601
.							
.							
11384	0	331.065	3.934	-20.563	-0.140317	-110.557	-2.927
		629.881	4.360	205.617	1.400	-465.110	-11.809
.							
11384	1.000	331.065	3.934	-20.563	-0.140317	-131.119	1.007
		629.881	4.360	205.617	1.400	-259.501	-7.449
.							
11384	2.000	331.065	3.934	-20.563	-0.140317	-151.681	4.941
		629.881	4.360	205.617	1.400	-53.892	-3.089
.							
.							
11385	0	-58.031	-1.675	765.771	19.291	-1009.405	0.811465
		-114.273	31.379	1769.811	86.499	-2090.617	-15.056
.							
11385	0.150	-58.031	-1.675	765.771	19.291	-894.207	0.559443
		-114.273	31.379	1769.811	86.498	-1824.377	-10.336
.							
11385	0.301	-58.031	-1.675	765.771	19.291	-779.009	0.307421
		-114.273	31.379	1769.811	86.498	-1558.137	-5.615
.							
.							
11386	0	-29.205	-0.974653	319.377	2.955	-702.562	0.288616
		-58.514	16.364	743.918	26.386	-1661.616	-24.134
.							
11386	1.155	-29.205	-0.974653	319.377	2.955	-333.750	-0.836896
		-58.514	16.364	743.918	26.386	-802.552	-5.237
.							
11386	2.310	-29.205	-0.974653	319.377	2.955	35.061	-1.962
		-58.514	16.364	743.918	26.386	56.512	13.660
.							
.							
11403	0	-7.197	1.175	-600.723	32.111	-0.003604	6.698
		-1.727	6.633	-181.623	44.835	-0.001090	-1.682
.							
11403	0.150	-7.197	1.175	-600.723	32.111	-90.108	6.875
		-1.727	6.633	-181.623	44.835	-27.243	-0.686769
.							
11403	0.300	-7.197	1.175	-600.723	32.111	-180.213	7.051
		-1.727	6.633	-181.623	44.835	-54.486	0.308182
.							
.							
11404	0	-7.280	-1.171	-556.397	-68.671	-0.003338	-6.417
		3.575	-6.130	-149.612	-22.895	-0.000898	6.560
.							
11404	0.150	-7.280	-1.171	-556.397	-68.671	-83.459	-6.592
		3.575	-6.130	-149.612	-22.895	-22.442	5.641
.							
11404	0.300	-7.280	-1.171	-556.397	-68.671	-166.915	-6.768
		3.575	-6.130	-149.612	-22.895	-44.882	4.721
.							
.							
11408	0	-1423.033	515.351	-51.692	7.763	204.242	-1793.300
		-1757.730	689.416	52.957	-5.536	-200.742	-2381.533
.							
11408	2.250	-1423.033	515.351	-51.692	7.763	87.939	-633.808
		-1757.730	689.416	52.957	-5.536	-81.593	-830.409
.							

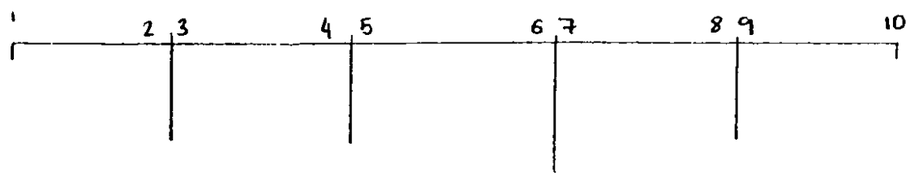
```
11408    4.500 -1423.033   515.351   -51.692     7.763   -28.365   525.684
               -1757.730   689.416    52.957    -5.536    37.555   720.716
.
.
11409        0  -768.907  -346.393   -27.555     3.845 -0.587175  1057.728
               -1288.207  -590.665    43.447 -0.085577   -67.357  1821.052
.
11409    2.250  -768.907  -346.393   -27.555     3.845   -62.583   278.374
               -1288.207  -590.665    43.447 -0.085577    30.395   492.110
.
11409    4.500  -768.907  -346.393   -27.555     3.845  -124.579  -500.980
               -1288.207  -590.665    43.447 -0.085577   128.148  -836.833
.
.
11410        0  -936.662   134.809   -29.951    -4.312   -32.576  -218.835
               -1638.360   194.700    32.730     3.853   -27.213  -285.177
.
11410    2.250  -936.662   134.809   -29.951    -4.312   -99.962    84.474
               -1638.360   194.700    32.730     3.853    46.427   152.880
.
11410    4.500  -936.662   134.809   -29.951    -4.312  -167.348   387.784
               -1638.360   194.700    32.730     3.853   120.067   590.938
.
.
11411        0  -806.922   -98.405   -25.392     1.018   -64.945   123.437
               -1388.005  -166.185    30.395    -3.598   -19.412   156.622
.
11411    2.250  -806.922   -98.405   -25.392     1.018  -122.075   -97.966
               -1388.005  -166.185    30.395    -3.598    48.974  -217.279
.
11411    4.500  -806.922   -98.405   -25.392     1.018  -179.205  -319.369
               -1388.005  -166.185    30.395    -3.598   117.361  -591.180
.
.
11459        0   -19.865    -1.134   -96.013     2.421   263.776     6.711
                -49.928     0.222487  25.977   0.390535   36.314   -15.650
.
11459    2.000   -19.865    -1.134   -96.013     2.421    71.757     4.443
                -49.928     0.222487  25.977   0.390535   88.265   -15.205
.
11459    4.000   -19.865    -1.134   -96.013     2.421  -120.262     2.175
                -49.928     0.222487  25.977   0.390535  140.216   -14.760
.
.
11460        0    45.170    14.739 -3032.251   222.664  1791.188   -32.919
                -69.572    -14.023  -547.956  -132.607  1066.498    29.612
.
11460    1.000    45.170    14.739 -3032.251   222.664 -1240.942   -18.180
                -69.572    -14.023  -547.956  -132.607   518.564    15.590
.
11460    2.000    45.170    14.739 -3032.251   222.664 -4273.072    -3.441
                -69.572    -14.023  -547.956  -132.607   -29.370     1.567
.
.
11461        0    37.870    28.795   872.495   196.621  -275.258   -21.914
                 72.794    -13.975  2607.937  -221.821 -3398.640    -5.854
.
11461    1.000    37.870    28.795   872.495   196.621   597.203     6.880
                 72.794    -13.975  2607.937  -221.821  -790.807   -19.828
.
11461    2.000    37.870    28.795   872.495   196.621  1469.663    35.674
                 72.794    -13.975  2607.937  -221.821  1817.025   -33.803
.
.
11470        0 -2546.207     0.095117  -70.288 -0.957708  -507.255   -47.575
               -4304.220    56.614     78.284   -7.196    290.130   475.124
.
11470   0.1000 -2546.207     0.095117  -70.288 -0.957708  -514.284   -47.565
               -4304.220    56.614     78.284   -7.196    297.958   480.785
.
11470   0.200  -2546.207     0.095117  -70.288 -0.957708  -521.312   -47.556
               -4304.220    56.614     78.284   -7.196    305.786   486.446
.
.
11471        0  -384.819    -6.824     5.613   -5.289    38.949    16.926
                -837.322     6.718   149.366   12.598  -336.847   -66.012
.
11471    2.462  -384.819    -6.824     5.613   -5.289    52.769   0.125810
                -837.322     6.718   149.366   12.598    30.909   -49.472
.
11471    4.924  -384.819    -6.824     5.613   -5.289    66.590   -16.675
                -837.322     6.718   149.366   12.598   398.664   -32.933
.
.
11472        0  -406.875     6.051    29.416 -0.137151   -1.513   -14.710
                -818.447    -7.609   159.254  -13.806  -358.616    65.809
.
11472    2.462  -406.875     6.051    29.416 -0.137151   70.913   0.188364
                -818.447    -7.609   159.254  -13.806    33.487    47.075
.
11472    4.924  -406.875     6.051    29.416 -0.137151  143.339    15.086
                -818.447    -7.609   159.254  -13.806  425.590    28.340
.
.
11473        0  -891.742     4.522  -440.319   27.320  1230.038    51.986
                -338.866    -8.755  -167.700  -23.301   466.388   -28.675
.
11473    3.010  -891.742     4.522  -440.319   27.320   -95.445    65.599
                -338.866    -8.755  -167.700  -23.301   -38.436   -55.030
.
11473    6.021  -891.742     4.522  -440.319   27.320 -1420.929    79.213
                -338.866    -8.755  -167.700  -23.301  -543.260   -81.386
.
.
11474        0  -933.703    -5.539  -461.977  -27.592  1379.747   -46.105
                -208.256     4.324  -143.017   12.609   335.928    28.195
.
11474    3.010  -933.703    -5.539  -461.977  -27.592   -10.932   -62.780
                -208.256     4.324  -143.017   12.609   -94.592    41.210
.
11474    6.021  -933.703    -5.539  -461.977  -27.592 -1401.610   -79.454
                -208.256     4.324  -143.017   12.609  -525.112    54.226
.
.
11481        0   -91.422     6.313  -964.764   40.348   159.496 -0.560379
                -42.363    -10.492  -332.976    9.309    41.014    12.657
.
11481    1.155   -91.422     6.313  -964.764   40.348  -954.597     6.729
```

		-42.363	-10.492	-332.976	9.309	-343.501	0.540961
.							
11481	2.310	-91.422	6.313	-964.764	40.348	-2068.689	14.019
		-42.363	-10.492	-332.976	9.309	-728.016	-11.575
.							
.							
11482	0	-186.131	11.743	-2377.316	108.393	-2022.905	4.782
		-135.019	-14.266	-761.982	16.797	-705.774	10.589
.							
11482	0.150	-186.131	11.743	-2377.316	108.393	-2380.535	6.549
		-135.019	-14.266	-761.982	16.797	-820.402	8.443
.							
11482	0.301	-186.131	11.743	-2377.316	108.393	-2738.164	8.315
		-135.019	-14.266	-761.982	16.797	-935.030	6.297
.							
.							
11483	0	753.394	13.223	-304.198	13.407	-34.709	-7.248
		285.003	-4.487	-60.463	-1.560	-54.757	-0.958696
.							
11483	1.000	753.394	13.223	-304.198	13.407	-338.895	5.974
		285.003	-4.487	-60.463	-1.560	-115.217	-5.446
.							
11483	2.000	753.394	13.223	-304.198	13.407	-643.081	19.197
		285.003	-4.487	-60.463	-1.560	-175.678	-9.933
.							
.							
11484	0	331.833	1.345	-19.621	2.922	-111.871	-5.979
		635.960	2.135	203.936	1.830	-465.018	0.536844
.							
11484	1.000	331.833	1.345	-19.621	2.922	-131.492	-4.634
		635.960	2.135	203.936	1.830	-261.091	2.672
.							
11484	2.000	331.833	1.345	-19.621	2.922	-151.112	-3.289
		635.960	2.135	203.936	1.830	-57.164	4.806
.							
.							
11485	0	-58.106	21.312	764.484	-18.503	-997.233	-9.648
		-115.498	-10.248	1784.884	-89.901	-2136.534	7.334
.							
11485	0.150	-58.106	21.312	764.484	-18.503	-882.228	-6.442
		-115.498	-10.248	1784.884	-89.901	-1868.026	5.793
.							
11485	0.301	-58.106	21.312	764.484	-18.503	-767.224	-3.236
		-115.498	-10.248	1784.884	-89.901	-1599.519	4.251
.							
.							
11486	0	-29.386	10.960	320.938	-13.327	-709.553	-12.203
		-57.474	-6.260	733.203	-22.502	-1634.260	11.175
.							
11486	1.155	-29.386	10.960	320.938	-13.327	-338.939	0.454119
		-57.474	-6.260	733.203	-22.502	-787.570	3.947
.							
11486	2.310	-29.386	10.960	320.938	-13.327	31.675	13.111
		-57.474	-6.260	733.203	-22.502	59.120	-3.282
.							
.							
11503	0	-9.000	0.911901	-525.371	31.577	-0.003152	9.768
		10.132	6.012	-150.481	19.338	-0.000903	-11.308
.							
11503	0.150	-9.000	0.911901	-525.371	31.577	-78.805	9.905
		10.132	6.012	-150.481	19.338	-22.572	-10.406
.							
11503	0.300	-9.000	0.911901	-525.371	31.577	-157.608	10.042
		10.132	6.012	-150.481	19.338	-45.143	-9.505
.							
.							
11504	0	-14.237	-6.722	-521.321	-71.861	-0.003128	-14.052
		4.617	-0.360396	-133.402	-15.925	-0.000800	6.089
.							
11504	0.150	-14.237	-6.722	-521.321	-71.861	-78.198	-15.060
		4.617	-0.360396	-133.402	-15.925	-20.010	6.035
.							
11504	0.300	-14.237	-6.722	-521.321	-71.861	-156.393	-16.069
		4.617	-0.360396	-133.402	-15.925	-40.020	5.981
.							
.							
11508	0	-1001.927	396.872	-79.129	-15.314	123.883	-1324.948
		-1595.481	613.544	48.055	-9.278	-184.042	-2129.555
.							
11508	2.250	-1001.927	396.872	-79.129	-15.314	-54.150	-432.022
		-1595.481	613.544	48.055	-9.278	-75.922	-749.137
.							
11508	4.500	-1001.927	396.872	-79.129	-15.314	-232.184	460.905
		-1595.481	613.544	48.055	-9.278	32.197	631.281
.							
.							
11509	0	-667.053	-303.479	-62.462	12.731	5.365	918.543
		-1123.105	-520.073	40.339	-1.820	-49.675	1587.541
.							
11509	2.250	-667.053	-303.479	-62.462	12.731	-135.169	235.742
		-1123.105	-520.073	40.339	-1.820	41.084	417.422
.							
11509	4.500	-667.053	-303.479	-62.462	12.731	-275.703	-447.059
		-1123.105	-520.073	40.339	-1.820	131.843	-752.696
.							
.							
11510	0	-847.856	123.519	-71.160	-5.687	-187.433	-204.567
		-1499.671	174.844	27.659	1.811	-18.940	-267.264
.							
11510	2.250	-847.856	123.519	-71.160	-5.687	-347.537	73.340
		-1499.671	174.844	27.659	1.811	43.291	126.120
.							
11510	4.500	-847.856	123.519	-71.160	-5.687	-507.642	351.246
		-1499.671	174.844	27.659	1.811	105.522	519.505
.							
.							
11511	0	-716.497	-87.058	-63.900	0.011386	-224.052	108.748
		-898.301	-138.387	27.840	-5.241	95.506	4.140
.							
11511	2.250	-716.497	-87.058	-63.900	0.011386	-367.822	-87.124
		-898.301	-138.387	27.840	-5.241	158.144	-307.218
.							
11511	4.500	-716.497	-87.058	-63.900	0.011386	-511.592	-282.997
		-898.301	-138.387	27.840	-5.241	220.782	-618.575
.							
.							
11559	0	-40.088	-0.479124	-93.010	5.295	278.688	-24.491
		-17.987	-0.245588	23.140	-1.495	2.223	-1.465

```
.
11559   2.000   -40.088 -0.479124   -93.010     5.295    92.675   -25.450
                -17.987 -0.245588    23.140    -1.495    48.500    -1.956
.
11559   4.000   -40.088 -0.479124   -93.010     5.295   -93.338   -26.408
                -17.987 -0.245588    23.140    -1.495    94.778    -2.447
.
.
11560       0    40.692   -27.548 -2772.894  -192.156  1603.264    34.887
                -72.058    82.909  -430.536   701.034   946.028   -95.420
.
11560   1.000    40.692   -27.548 -2772.894  -192.156 -1169.519     7.340
                -72.058    82.909  -430.536   701.034   515.509   -12.514
.
11560   2.000    40.692   -27.548 -2772.894  -192.156 -3942.302   -20.207
                -72.058    82.909  -430.536   701.034    84.991    70.392
.
.
11561       0    33.933   -54.397   750.984  -558.041  -162.725    21.288
                67.676    31.266  2345.930   195.255 -3061.879   -33.735
.
11561   1.000    33.933   -54.397   750.984  -558.041   588.229   -33.106
                67.676    31.266  2345.930   195.255  -716.043    -2.470
.
11561   2.000    33.933   -54.397   750.984  -558.041  1339.183   -87.501
                67.676    31.266  2345.930   195.255  1629.793    28.795
.
.
11570       0 -2265.971   112.052  -181.391   -35.879 -1504.125  1077.587
             -3837.412  0.168739    68.037  0.603248   253.655   -92.659
.
11570  0.1000 -2265.971   112.052  -181.391   -35.879 -1522.263  1088.792
             -3837.412  0.168739    68.037  0.603248   260.458   -92.642
.
11570   0.200 -2265.971   112.052  -181.391   -35.879 -1540.401  1099.997
             -3837.412  0.168739    68.037  0.603248   267.262   -92.625
.
.
11571       0  -347.285    27.021     1.643    13.329    45.915  -154.981
                -760.013   -11.300   140.679  0.386960  -320.719    26.720
.
11571   2.462  -347.285    27.021     1.643    13.329    49.960   -88.453
                -760.013   -11.300   140.679  0.386960    25.649    -1.103
.
11571   4.924  -347.285    27.021     1.643    13.329    54.006   -21.925
                -760.013   -11.300   140.679  0.386960   372.016   -28.925
.
.
11572       0  -370.401   -26.690    27.278   -21.191     1.530   138.368
                -741.283     9.978   150.555    -2.621  -342.364   -28.212
.
11572   2.462  -370.401   -26.690    27.278   -21.191    68.691    72.654
                -741.283     9.978   150.555    -2.621    28.319    -3.645
.
11572   4.924  -370.401   -26.690    27.278   -21.191   135.852     6.939
                -741.283     9.978   150.555    -2.621   399.002    20.921
.
.
11573       0  -800.641    -9.422  -395.645   -17.515  1105.212    -8.795
                -295.894    17.746  -146.640    56.084   407.515    78.923
.
11573   3.010  -800.641    -9.422  -395.645   -17.515   -85.791   -37.160
                -295.894    17.746  -146.640    56.084   -33.912   132.345
.
11573   6.021  -800.641    -9.422  -395.645   -17.515 -1276.794   -65.524
                -295.894    17.746  -146.640    56.084  -475.339   185.766
.
.
11574       0  -843.562     7.747  -417.392    16.929  1255.600    22.614
                -166.471   -25.106  -122.168   -74.617   278.294   -84.584
.
11574   3.010  -843.562     7.747  -417.392    16.929 -0.864436    45.934
                -166.471   -25.106  -122.168   -74.617   -89.467  -160.160
.
11574   6.021  -843.562     7.747  -417.392    16.929 -1257.329    69.255
                -166.471   -25.106  -122.168   -74.617  -457.227  -235.737
.
.
11581       0   -82.256   -11.387  -868.416    29.742   156.860    17.010
                -37.975    23.104  -287.192     7.964    35.025   -22.718
.
11581   1.155   -82.256   -11.387  -868.416    29.742  -845.971     3.860
                -37.975    23.104  -287.192     7.964  -296.620     3.962
.
11581   2.310   -82.256   -11.387  -868.416    29.742 -1848.803    -9.289
                -37.975    23.104  -287.192     7.964  -628.265    30.643
.
.
11582       0  -170.052   -23.459 -2175.402    89.203 -1806.546     7.109
                -126.955    60.468  -665.606    13.836  -605.986    15.445
.
11582   0.150  -170.052   -23.459 -2175.402    89.203 -2133.800     3.580
                -126.955    60.468  -665.606    13.836  -706.116    24.541
.
11582   0.301  -170.052   -23.459 -2175.402    89.203 -2461.055   0.051090
                -126.955    60.468  -665.606    13.836  -806.246    33.638
.
.
11583       0   674.146     2.686  -284.491    10.781   -19.743    -4.029
                246.037    10.574   -49.289     3.760   -48.849 -0.758963
.
11583   1.000   674.146     2.686  -284.491    10.781  -304.223    -1.343
                246.037    10.574   -49.289     3.760   -98.136     9.815
.
11583   2.000   674.146     2.686  -284.491    10.781  -588.703     1.343
                246.037    10.574   -49.289     3.760  -147.423    20.388
.
.
11584       0   293.017   -16.932   -30.137    -1.041   -84.449    27.840
                581.427     7.475   181.088     3.992  -419.120   -13.029
.
11584   1.000   293.017   -16.932   -30.137    -1.041  -114.585    10.909
                581.427     7.475   181.088     3.992  -238.038    -5.554
.
11584   2.000   293.017   -16.932   -30.137    -1.041  -144.721    -6.023
                581.427     7.475   181.088     3.992   -56.957     1.921
.
.
```

APARATOS DE APOYO

Desplazamientos máximas:	Estribos	Pilas 1 y 4	Pilas 2 y 3
Temperatura uniforme	0,0347	0,022	0,0081
reológicas	0,0075	0,0047	0,0017
frenado	0,0038	0,0038	0,0038
TOTAL	0,046 m	0,0306 m	0,0137 m



Apoyo 2 Nmax = 50,4
Nmin = 13,10

Apoyo 3 Nmax = 61,5
Nmin = 14,3

Apoyo 4 Nmax = 53,3
Nmin = 15,3

Apoyo 5 Nmax = 65,6
Nmin = 17,8

Apoyo 6 Nmax = 57,6
Nmin = 17,4

Apoyo 7 Nmax = 61,8
Nmin = 14,3

Apoyo 8 Nmax = 53
Nmin = 14,3

Apoyo 9 Nmax = 59,2
Nmin = 13,1

Apoyos 2 y 9	200 x 300 x 63 (45)	Antideslizante
Apoyos 3 y 8	200 x 300 x 63 (45)	Antideslizante
Apoyos 4 y 7	200 x 300 x 41 (29)	Antideslizante
Apoyos 5 y 6	200 x 300 x 41 (29)	Antideslizante

Estribos	Pmax = 62,6 t Pmin = 12,2 t	250 x 400 x 105 (64)	Antideslizante

```
                -98.488    24.689  1564.843   -65.715 -1365.642  0.918086
.
.
11586       0   -25.703   -22.505   278.022 -0.999371  -614.730    28.381
                -48.518    11.362   636.192   -11.894 -1416.673   -13.162
.
11586   1.155   -25.703   -22.505   278.022 -0.999371  -293.675     2.393
                -48.518    11.362   636.192   -11.894  -682.010 -0.041730
.
11586   2.310   -25.703   -22.505   278.022 -0.999371    27.380   -23.596
                -48.518    11.362   636.192   -11.894    52.654    13.079
.
.
```

OBRA: OC-04-00 : ACCESOS A ZARAGOZA
PASO SUPERIOR CAMINO DE SAN ANTÓN

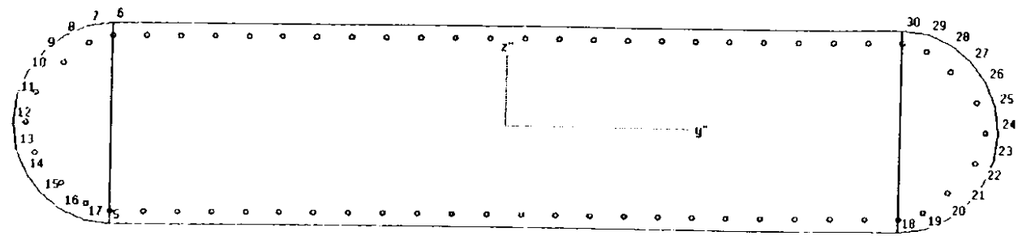
Dimensionamiento de la Pila

Area [m2] =	**3.06**	lambda,y =	88.53	beta =	1
Iy [m4] =	**0.156185**	Lambda,z =	18.08	h [m] =	0.8
Iz[m4] =	**3.745**			Altura pila=	10
l0 =	**20**				

Hipótesis	Nd	Vdy	Vdz	Mdy	e0	ea	Md2°ord	Mdz
Env My	**-2732.32**	**3.83**	**7.2**	**-216.21**	0.05	0.38	1186.90	**-1596.34**
	-3512.52	**114.55**	**198.02**	**2064.55**	0.587768895	0.52	3898.00	**-109.58**
	-4228.82	**60.11**	**3.9**	**-210.13**	0.05	0.38	1836.97	**-1030.87**
	-3281.83	**5.15**	**75.4**	**1127.74**	0.34363145	0.50	2777.87	**-2050.15**
	-2645.77	**2.29**	**-51.25**	**-717.38**	0.05	0.38	1149.31	**-958.13**
	-4408.28	**61.57**	**49.29**	**746.19**	0.169270101	0.47	2801.05	**-1482.62**
	-3405.48	**113.79**	**-166.13**	**-1742.95**	0.05	0.38	1479.32	**162.67**
	-2913.67	**4.8**	**44.86**	**742.35**	0.25478177	0.49	2166.83	**-2053.08**
Env Mz	**-2992.93**	**5.48**	**49.42**	**400.04**	0.133661663	0.45	1750.72	**-3160.84**
	-3014.34	**186.28**	**148.33**	**1392.7**	0.462024855	0.51	2942.86	**2447.64**
	-4512.63	**6.51**	**86.12**	**786.48**	0.174284176	0.47	2897.91	**-3291.51**
	-2236.63	**187.48**	**-6.04**	**-1.26**	0.05	0.38	971.58	**2545.58**

	-4512.1	**6.5**	**-31.36**	**-452.06**	0.05	0.38	1960.03	**-3291.56**
	-2236.31	**187.48**	**36.48**	**277.2**	0.123954192	0.45	1275.36	**2545.58**
	-2994.16	**5.33**	**4.43**	**-73.73**	0.05	0.38	1300.64	**-3162.36**
	-3015.58	**186.28**	**-117.6**	**-1113.91**	0.05	0.38	1309.95	**2447.64**
Env N	**-4470.79**	**56.23**	**-4.1**	**-62.55**	0.05	0.38	1942.08	**434.85**
	-1703.71	**-0.02**	**206.86**	**1903.63**	1.117343914	0.54	2817.99	**-0.15**
	-4990.81	**0.29**	**84.25**	**780.81**	0.156449554	0.46	3083.10	**-127.41**
	-1949.72	**112.78**	**-4.37**	**7.1**	0.05	0.38	846.95	**1134.4**
	-4990.28	**0.29**	**-29.39**	**-445.65**	0.05	0.38	2167.75	**-127.41**
	-1949.19	**56.35**	**56.18**	**462.6**	0.237329352	0.49	1408.44	**566.77**
	-4472.3	**56.22**	**58.33**	**392.32**	0.087722201	0.42	2283.29	**434.74**
	-1704.66	**-0.02**	**-176.44**	**-1627.73**	0.05	0.38	740.49	**-0.18**

Mstb. 1 : 25.0



Sección :"PILAPAN" Armadura :"62D20"
Tipo : tipo pila/ Genérico Unidades :[cm]

Sección parcial 1: Hormigón = H250 Coef. homogeneización= 1.00

Pto	Coord-Y	Coord-Z	Pto	Coord-Y	Coord-Z
1	-160.00	0.00	2	160.00	0.00
3	160.00	80.00	4	-160.00	80.00

Sección parcial 2: Hormigón = H250 Coef. homogeneización= 1.00

Pto	Coord-Y	Coord-Z	Pto	Coord-Y	Coord-Z
5	-160.00	0.00	6	-160.00	80.00
7	-170.35	78.64	8	-180.00	74.64
9	-188.28	68.28	10	-194.64	60.00
11	-198.64	50.35	12	-200.00	40.00
13	-198.64	29.65	14	-194.64	20.00
15	-188.28	11.72	16	-180.00	5.36
17	-170.35	1.36			

Sección parcial 3: Hormigón = H250 Coef. homogeneización= 1.00

Pto	Coord-Y	Coord-Z	Pto	Coord-Y	Coord-Z
18	160.00	0.00			
19	170.35	1.36	20	180.00	5.36
21	188.28	11.72	22	194.64	20.00
23	198.64	29.65	24	200.00	40.00
25	198.64	50.35	26	194.64	60.00
27	188.28	68.28	28	180.00	74.64
29	170.35	78.64	30	160.00	80.00

Características mecánicas de la sección:
Area : Ax= 3.193 [m2]
Momentos de inercia : Iy= 0.170650 [m4] Iz= 3.869 [m4]
Inercia a torsión : Ix= 1.623 [m4] (de un círculo del mismo área)

Posición del centro de gravedad: ys= 0.000 [m] zs= 0.400000 [m]

	I:	R=dist.borde [m]	W=I/R [m3]	W/Ax [m]
izq.	Iz	-2.000	-1.935	0.606
dch.	Iz	2.000	1.935	-0.606
abajo	Iy	-0.400	-0.426624	0.134
arriba	Iy	0.400	0.426624	-0.134

Armadura: "62D20"

N°	Nom.mat	Cod.dim.	Area [cm2]	y1 [cm]	z1 [cm]	y2 [cm]	z2 [cm]	Coef.Homog
1	AEH500	(1)	75.40	-160.00	5.00	160.00	5.00	7.00
2	AEH500	(1)	75.40	-160.00	75.00	160.00	75.00	7.00
3	AEH500	(1)	6.28	-195.00	40.00	195.00	40.00	7.00
4	AEH500	(1)	6.28	-170.00	8.00	170.00	8.00	7.00
5	AEH500	(1)	6.28	-170.00	72.00	170.00	72.00	7.00
6	AEH500	(1)	6.28	-191.00	28.00	191.00	28.00	7.00
7	AEH500	(1)	6.28	-191.00	52.00	191.00	52.00	7.00
8	AEH500	(1)	6.28	-180.00	16.00	180.00	16.00	7.00
9	AEH500	(1)	6.28	-180.00	64.00	180.00	64.00	7.00

Total: 194.78 Cuantía de armadura: 0.610 [o/o]

Cód. dimensionamiento: (0) = As constante
Cód. dimensionamiento: (1) = Aumentar As en zonas comprimida y traccionada
Cód. dimensionamiento: (2) = Aumentar As solo en zona traccionada

¡No se han definido valores para el cálculo a cortante!

Características del material:

Nom.Mat.	Módulo E [N/mm2]	0.85*fcd,fyd [N/mm2]	eps-fc [o/oo]	fct [N/mm2]	fcv [N/mm2]	fcw,mín [N/mm2]
"H250"	30000.0	-14.160	-2.000	0.0	0.646000	25.000
"AEH500"	210000.0	443.470				

Leyenda:
fcd,fyd resistencia de cálculo del hormigón,acero
eps-fc deformación al final de la parábola (fig.2.3, cap.2.2)
fct resistencia de cálculo a tracción del hormigón
fcv resistencia virtual de cálculo del hormigón a esfuerzo cortante

Cálculo Resistencia Ultima: Pila "PILAPAN"/"62D20"

Solicitación Unidades : [kNm]

N	Vy	Vz	Mx	My	Mz
-2732.320				1186.900	-1596.340

Coeficiente de seguridad 4.791

Cálculo Resistencia Ultima: Pila "PILAPAN"/"62D20"

Solicitación Unidades : [kNm]

N	Vy	Vz	Mx	My	Mz
-3512.520				3898.000	-109.580

Coeficiente de seguridad 1.093

Cálculo Resistencia Ultima: Pila "PILAPAN"/"62D20"

Solicitación Unidades : [kNm]

N	Vy	Vz	Mx	My	Mz
-4228.820				1836.970	-1030.870

Coeficiente de seguridad 3.418

Cálculo Resistencia Ultima: Pila "PILAPAN"/"62D20"

Solicitación Unidades : [kNm]

N	Vy	Vz	Mx	My	Mz
-3281.830				2777.870	-2050.150

Coeficiente de seguridad 1.667

Cálculo Resistencia Ultima: Pila "PILAPAN"/"62D20"

Solicitación Unidades : [kNm]

N	Vy	Vz	Mx	My	Mz
-2645.770				1149.310	-958.130

Coeficiente de seguridad 5.310

Cálculo Resistencia Ultima: Pila "PILAPAN"/"62D20"

Solicitación Unidades : [kNm]

N	Vy	Vz	Mx	My	Mz
-4408.280				2801.050	-1482.620

Coeficiente de seguridad 1.916

Cálculo Resistencia Ultima: Pila "PILAPAN"/"62D20"

Solicitación Unidades : [kNm]

N	Vy	Vz	Mx	My	Mz
-3405.480				1479.320	162.670

Coeficiente de seguridad 4.355

Cálculo Resistencia Ultima: Pila "PILAPAN"/"62D20"

Solicitación Unidades : [kNm]

N	Vy	Vz	Mx	My	Mz
-2913.670				2166.830	-2053.080

Coeficiente de seguridad 2.213

Cálculo Resistencia Ultima: Pila "PILAPAN"/"62D20"

Solicitación — Unidades : [kNm]

N	Vy	Vz	Mx	My	Mz
-2992.930				1750.720	-3160.840

Coeficiente de seguridad 2.719

Cálculo Resistencia Ultima: Pila "PILAPAN"/"62D20"

Solicitación — Unidades : [kNm]

N	Vy	Vz	Mx	My	Mz
-3014.340				2942.860	2447.640

Coeficiente de seguridad 1.477

Cálculo Resistencia Ultima: Pila "PILAPAN"/"62D20"

Solicitación — Unidades : [kNm]

N	Vy	Vz	Mx	My	Mz
-4512.630				2897.910	-3291.510

Coeficiente de seguridad 1.728

Cálculo Resistencia Ultima: Pila "PILAPAN"/"62D20"

Solicitación — Unidades : [kNm]

N	Vy	Vz	Mx	My	Mz
-2236.630				971.580	2545.580

Coeficiente de seguridad 4.729

Cálculo Resistencia Ultima: Pila "PILAPAN"/"62D20"

Solicitación — Unidades : [kNm]

N	Vy	Vz	Mx	My	Mz
-4512.100				1960.030	-3291.560

Coeficiente de seguridad 2.751

Cálculo Resistencia Ultima: Pila "PILAPAN"/"62D20"

Solicitación — Unidades : [kNm]

N	Vy	Vz	Mx	My	Mz
-2236.310				1275.360	2545.580

Coeficiente de seguridad 3.664

Cálculo Resistencia Ultima: Pila "PILAPAN"/"62D20"

Solicitación — Unidades : [kNm]

N	Vy	Vz	Mx	My	Mz
-2994.160				1300.640	-3162.360

Coeficiente de seguridad 3.650

Cálculo Resistencia Ultima: Pila "PILAPAN"/"62D20"

Solicitación — Unidades : [kNm]

N	Vy	Vz	Mx	My	Mz
-3015 580				1309.950	2447.640

Coeficiente de seguridad 3.990

Cálculo Resistencia Ultima: Pila "PILAPAN"/"62D20"

Solicitación — Unidades : [kNm]

N	Vy	Vz	Mx	My	Mz
-4470.790				1942.080	434.850

Coeficiente de seguridad 3.304

Cálculo Resistencia Ultima: Pila "PILAPAN"/"62D20"

Solicitación — Unidades : [kNm]

N	Vy	Vz	Mx	My	Mz
-1703.710				2817.990	-0.150000

Coeficiente de seguridad 1.338

Cálculo Resistencia Ultima: Pila "PILAPAN"/"62D20"

Solicitación — Unidades : [kNm]

N	Vy	Vz	Mx	My	Mz
-4990.810				3083.100	-127.410

Coeficiente de seguridad 1.815

Cálculo Resistencia Ultima: Pila "PILAPAN"/"62D20"

Solicitación — Unidades : [kNm]

N	Vy	Vz	Mx	My	Mz
-1949.720				846.950	1134.400

Coeficiente de seguridad 6.720

Cálculo Resistencia Ultima: Pila "PILAPAN"/"62D20"

Solicitación — Unidades : [kNm]

N	Vy	Vz	Mx	My	Mz
-4990.280				2167.750	-127.410

Coeficiente de seguridad 2.977

Cálculo Resistencia Ultima: Pila "PILAPAN"/"62D20"

Solicitación — Unidades : [kNm]

N	Vy	Vz	Mx	My	Mz
-1949.190				1408.440	566.770

Coeficiente de seguridad 3.621

Cálculo Resistencia Ultima: Pila "PILAPAN"/"62D20"

Solicitación — Unidades : [kNm]

N	Vy	Vz	Mx	My	Mz
-4472.300				2283.290	434.740

Coeficiente de seguridad 2.657

Cálculo Resistencia Ultima: Pila "PILAPAN"/"62D20"

Solicitación — Unidades : [kNm]

N	Vy	Vz	Mx	My	Mz
-1704.660				740.490	-0.180000

Coeficiente de seguridad 8.726

CÁLCULO PILAS

- Cuantía mínima longitudinal

$$A_{s1} = 0{,}05\ 2\ \frac{Nd}{fyd} = 0{,}1\ \frac{4990{,}8}{40\cdot10^3} = 12{,}5\ cm^2$$

$$A_{s2} = 4\cdot10^{-3}\ \ 3{,}06 = 122{,}4\ cm^2 \qquad 25\phi 25$$

$$44\phi 20$$

Armadura necesaria $44\phi 25 = 216\ cm^2$

$62\phi 20 = 194{,}7\ cm^2$

- Cuantía transversal mínima

$$A_2 = 0{,}02\ \ 4{,}0\ \frac{2500}{1{,}5}\ \frac{1}{40\cdot10^3} = 33{,}3\ cm^2/m$$

$$A_y = 0{,}02\ \ 0{,}8\ \frac{2500}{1{,}5}\ \frac{1}{40\cdot10^3} = 6{,}67\ cm^2/m$$

11585	0	-50.707	-46.253	666.866	-16.033	-870.745	6.105
		-98.488	24.689	1564.843	-65.715	-1836.454	-6.510
11585	0.150	-50.707	-46.253	666.866	-16.033	-770.425	-0.852969
		-98.488	24.689	1564.843	-65.715	-1601.048	-2.796
11585	0.301	-50.707	-46.253	666.866	-16.033	-670.106	-7.811
		-98.488	24.689	1564.843	-65.715	-1365.642	0.918086
11586	0	-25.703	-22.505	278.022	-0.999371	-614.730	28.381
		-48.518	11.362	636.192	-11.894	-1416.673	-13.162
11586	1.155	-25.703	-22.505	278.022	-0.999371	-293.675	2.393
		-48.518	11.362	636.192	-11.894	-682.010	-0.041730
11586	2.310	-25.703	-22.505	278.022	-0.999371	27.380	-23.596
		-48.518	11.362	636.192	-11.894	52.654	13.079

8 CIMENTACION DE PILAS

A continuación, se incluye el listado de los esfuerzos en cimentación y la comprobación de la cimentación de la pila.

Los pilotes se han calculado con un coeficiente de balasto horizontal de 1000 kg/m^3.

Para determinar los esfuerzos transmitidos a la cimentación, se han considerado los esfuerzos de segundo orden con una longitud de pandeo igual a dos veces la altura de la pila. A estos efectos, el modelo adoptado es el de la excentricidad adicional propuesto de la Instrucción EHE.

```
.ID Envolv.    DI
.SK 4
.TP 20
ENVOLVENTE:              DI    'Env. Ciment'                    Ejec.  "CIM"
=============================================================================
Grupo Espe. Hip¢tesis        Factor Etapa  T¡tulo

  A    PERM.      1             1.000        Peso propio vigas
       Y          2             1.000        Peso propio losa
       Y          3             1.000        carga muerta
  B    O          1             1.000        Peso propio vigas
       Y          2             1.000        Peso propio losa
       Y          3             1.500        carga muerta
  C    MAS        4             1.000        sc repartida mitad d vano1
  D    MAS        5             1.000        sobrecarga vano 1 i
  E    MAS       27             1.000        sc repartida mitad d vano2
  F    MAS       28             1.000        sobrecarga vano 2 i
  G    MAS       29             1.000        sc repartida mitad d vano3
  H    MAS       30             1.000        sobrecarga vano 3 i
  I    MAS       31             1.000        sc repartida mitad d vano4
  J    MAS       32             1.000        sobrecarga vano 4 i
  K    MAS       33             1.000        sc repartida mitad d vano5
  L    MAS       34             1.000        sobrecarga vano 5 i
  M    MAS        6             1.000        Veh¡culo pesado 1 vano 1
  N    O          7             1.000        Veh¡culo pesado 2 vano 1
  O    O          8             1.000        Veh¡culo pesado 3 vano 1
  P    O          9             1.000        Veh¡culo pesado 4 vano 1
  Q    O         10             1.000        Veh¡culo pesado 5 vano 1
  R    O         11             1.000        Veh¡culo pesado 6 vano 1
  S    O         12             1.000        Veh¡culo pesado 7 vano 1
  T    O         13             1.000        Veh¡culo pesado 8 vano 1
  U    O         14             1.000        Veh¡culo pesado 1 vano 2
  V    O         15             1.000        Veh¡culo pesado 2 vano 2
  W    O         16             1.000        Veh¡culo pesado 3 vano 2
  X    O         17             1.000        Veh¡culo pesado 4 vano 2
  Y    O         18             1.000        Veh¡culo pesado 5 vano 2
  Z    O         19             1.000        Veh¡culo pesado 6 vano 2
 AA    O         20             1.000        Veh¡culo pesado 7 vano 1
 AB    O         21             1.000        Veh¡culo pesado 8 vano 2
 AC    O         35             1.000        Veh¡culo pesado 1 vano 3
 AD    O         36             1.000        Veh¡culo pesado 2 vano 3
 AE    O         37             1.000        Veh¡culo pesado 3 vano 3
 AF    O         38             1.000        Veh¡culo pesado 4 vano 3
 AG    O         39             1.000        Veh¡culo pesado 5 vano 2
 AH    O         40             1.000        Veh¡culo pesado 6 vano 3
 AI    O         41             1.000        Veh¡culo pesado 7 vano 3
 AJ    O         42             1.000        Veh¡culo pesado 8 vano 3
 AK    O         43             1.000        Veh¡culo pesado 1 vano 4
 AL    O         44             1.000        Veh¡culo pesado 2 vano 4
 AM    O         45             1.000        Veh¡culo pesado 3 vano 4
 AN    O         46             1.000        Veh¡culo pesado 4 vano 4
 AO    O         47             1.000        Veh¡culo pesado 5 vano 4
 AP    O         48             1.000        Veh¡culo pesado 6 vano 4
 AQ    O         49             1.000        Veh¡culo pesado 7 vano 4
 AR    O         50             1.000        Veh¡culo pesado 8 vano 4
```

AS	O	51	1.000	Veh¡culo pesado 1 vano 5
AT	O	52	1.000	Veh¡culo pesado 2 vano 5
AU	O	53	1.000	Veh¡culo pesado 3 vano 5
AV	O	54	1.000	Veh¡culo pesado 4 vano 5
AW	O	55	1.000	Veh¡culo pesado 5 vano 5
AX	O	56	1.000	Veh¡culo pesado 6 vano 5
AY	O	57	1.000	Veh¡culo pesado 7 vano 5
AZ	O	58	1.000	Veh¡culo pesado 8 vano 5
BA	MAS	22	0.600000	Reol¢gicas
BB	MAS	23	0.600000	gradiente t,rmico 14 c
BC	MAS	24	0.300000	Viento transversal
BD	MAS	25	1.000	Frenado

ALTERNATIVA PARA ENVOLVENTE:

BE	PERM.	1	1.000	Peso propio vigas
	Y	2	1.000	Peso propio losa
	Y	3	1.000	carga muerta
BF	O	1	1.000	Peso propio vigas
	Y	2	1.000	Peso propio losa
	Y	3	1.500	carga muerta
BG	MAS	4	0.600000	sc repartida mitad d vano1
BH	MAS	5	0.600000	sobrecarga vano 1 i
BI	MAS	27	0.600000	sc repartida mitad d vano2
BJ	MAS	28	0.600000	sobrecarga vano 2 i
BK	MAS	29	0.600000	sc repartida mitad d vano3
BL	MAS	30	0.600000	sobrecarga vano 3 i
BM	MAS	31	0.600000	sc repartida mitad d vano4
BN	MAS	32	0.600000	sobrecarga vano 4 i
BO	MAS	33	0.600000	sc repartida mitad d vano5
BP	MAS	34	0.600000	sobrecarga vano 5 i
BQ	MAS	6	0.600000	Veh¡culo pesado 1 vano 1
BR	O	7	0.600000	Veh¡culo pesado 2 vano 1
BS	O	8	0.600000	Veh¡culo pesado 3 vano 1
BT	O	9	0.600000	Veh¡culo pesado 4 vano 1
BU	O	10	0.600000	Veh¡culo pesado 5 vano 1
BV	O	11	0.600000	Veh¡culo pesado 6 vano 1
BW	O	12	0.600000	Veh¡culo pesado 7 vano 1
BX	O	13	0.600000	Veh¡culo pesado 8 vano 1
BY	O	14	0.600000	Veh¡culo pesado 1 vano 2
BZ	O	15	0.600000	Veh¡culo pesado 2 vano 2
CA	O	16	0.600000	Veh¡culo pesado 3 vano 2
CB	O	17	0.600000	Veh¡culo pesado 4 vano 2
CC	O	18	0.600000	Veh¡culo pesado 5 vano 2
CD	O	19	0.600000	Veh¡culo pesado 6 vano 2
CE	O	20	0.600000	Veh¡culo pesado 7 vano 1
CF	O	21	0.600000	Veh¡culo pesado 8 vano 2
CG	O	35	0.600000	Veh¡culo pesado 1 vano 3
CH	O	36	0.600000	Veh¡culo pesado 2 vano 3
CI	O	37	0.600000	Veh¡culo pesado 3 vano 3
CJ	O	38	0.600000	Veh¡culo pesado 4 vano 3
CK	O	39	0.600000	Veh¡culo pesado 5 vano 2
CL	O	40	0.600000	Veh¡culo pesado 6 vano 3
CM	O	41	0.600000	Veh¡culo pesado 7 vano 3
CN	O	42	0.600000	Veh¡culo pesado 8 vano 3
CO	O	43	0.600000	Veh¡culo pesado 1 vano 4
CP	O	44	0.600000	Veh¡culo pesado 2 vano 4
CQ	O	45	0.600000	Veh¡culo pesado 3 vano 4
CR	O	46	0.600000	Veh¡culo pesado 4 vano 4
CS	O	47	0.600000	Veh¡culo pesado 5 vano 4
CT	O	48	0.600000	Veh¡culo pesado 6 vano 4
CU	O	49	0.600000	Veh¡culo pesado 7 vano 4
CV	O	50	0.600000	Veh¡culo pesado 8 vano 4
CW	O	51	0.600000	Veh¡culo pesado 1 vano 5
CX	O	52	0.600000	Veh¡culo pesado 2 vano 5
CY	O	53	0.600000	Veh¡culo pesado 3 vano 5
CZ	O	54	0.600000	Veh¡culo pesado 4 vano 5
DA	O	55	0.600000	Veh¡culo pesado 5 vano 5
DB	O	56	0.600000	Veh¡culo pesado 6 vano 5
DC	O	57	0.600000	Veh¡culo pesado 7 vano 5
DD	O	58	0.600000	Veh¡culo pesado 8 vano 5
DE	MAS	22	0.600000	Reol¢gicas
DF	MAS	23	0.600000	gradiente t,rmico 14 c
DG	MAS	24	1.000	Viento transversal
DH	MAS	25	0.600000	Frenado
DI	MAS	26	0.600000	Temperatura uniforme

ALTERNATIVA PARA ENVOLVENTE:

DJ	PERM.	1	1.000	Peso propio vigas
	Y	2	1.000	Peso propio losa
	Y	3	1.000	carga muerta
DK	O	1	1.350	Peso propio vigas
	Y	2	1.350	Peso propio losa
	Y	3	2.030	carga muerta
DL	MAS	4	0.600000	sc repartida mitad d vano1
DM	MAS	5	0.600000	sobrecarga vano 1 i
DN	MAS	27	0.600000	sc repartida mitad d vano2
DO	MAS	28	0.600000	sobrecarga vano 2 i
DP	MAS	29	0.600000	sc repartida mitad d vano3
DQ	MAS	30	0.600000	sobrecarga vano 3 i
DR	MAS	31	0.600000	sc repartida mitad d vano4
DS	MAS	32	0.600000	sobrecarga vano 4 i
DT	MAS	33	0.600000	sc repartida mitad d vano5
DU	MAS	34	0.600000	sobrecarga vano 5 i
DV	MAS	6	0.600000	Veh¡culo pesado 1 vano 1
DW	O	7	0.600000	Veh¡culo pesado 2 vano 1
DX	O	8	0.600000	Veh¡culo pesado 3 vano 1
DY	O	9	0.600000	Veh¡culo pesado 4 vano 1
DZ	O	10	0.600000	Veh¡culo pesado 5 vano 1
EA	O	11	0.600000	Veh¡culo pesado 6 vano 1
EB	O	12	0.600000	Veh¡culo pesado 7 vano 1
EC	O	13	0.600000	Veh¡culo pesado 8 vano 1
ED	O	14	0.600000	Veh¡culo pesado 1 vano 2
EE	O	15	0.600000	Veh¡culo pesado 2 vano 2
EF	O	16	0.600000	Veh¡culo pesado 3 vano 2
EG	O	17	0.600000	Veh¡culo pesado 4 vano 2
EH	O	18	0.600000	Veh¡culo pesado 5 vano 2
EI	O	19	0.600000	Veh¡culo pesado 6 vano 2
EJ	O	20	0.600000	Veh¡culo pesado 7 vano 1
EK	O	21	0.600000	Veh¡culo pesado 8 vano 2
EL	O	35	0.600000	Veh¡culo pesado 1 vano 3
EM	O	36	0.600000	Veh¡culo pesado 2 vano 3
EN	O	37	0.600000	Veh¡culo pesado 3 vano 3
EO	O	38	0.600000	Veh¡culo pesado 4 vano 3
EP	O	39	0.600000	Veh¡culo pesado 5 vano 2
EQ	O	40	0.600000	Veh¡culo pesado 6 vano 3
ER	O	41	0.600000	Veh¡culo pesado 7 vano 3
ES	O	42	0.600000	Veh¡culo pesado 8 vano 3
ET	O	43	0.600000	Veh¡culo pesado 1 vano 4

EU	O	44	0.600000	Veh¡culo pesado 2 vano 4
EV	O	45	0.600000	Veh¡culo pesado 3 vano 4
EW	O	46	0.600000	Veh¡culo pesado 4 vano 4
EX	O	47	0.600000	Veh¡culo pesado 5 vano 4
EY	O	48	0.600000	Veh¡culo pesado 6 vano 4
EZ	O	49	0.600000	Veh¡culo pesado 7 vano 4
FA	O	50	0.600000	Veh¡culo pesado 8 vano 4
FB	O	51	0.600000	Veh¡culo pesado 1 vano 5
FC	O	52	0.600000	Veh¡culo pesado 2 vano 5
FD	O	53	0.600000	Veh¡culo pesado 3 vano 5
FE	O	54	0.600000	Veh¡culo pesado 4 vano 5
FF	O	55	0.600000	Veh¡culo pesado 5 vano 5
FG	O	56	0.600000	Veh¡culo pesado 6 vano 5
FH	O	57	0.600000	Veh¡culo pesado 7 vano 5
FI	O	58	0.600000	Veh¡culo pesado 8 vano 5
FJ	MAS	22	0.600000	Reol¢gicas
FK	MAS	23	1.000	gradiente t,rmico 14 c
FL	MAS	24	0.600000	Viento transversal
FM	MAS	25	0.600000	Frenado
FN	MAS	26	1.000	Temperatura uniforme

.ID GWS3MX,STATIK2,1.58
.UN M,KN
.EL !LCIM.001
.SK 3
.TP 12
.TK 6
ENVOLVENTE para < Mx > (y valores concomitantes)
(1. l¡nea: MIN., 2. l¡nea: MAX.)

Barra	Distancia [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
11203	0	-15.854	0.074189	-145.492	10.398	-0.000873	15.124
		-1.059	4.650	-317.958	58.972	-0.001908	-0.428758
11203	0.150	-15.854	0.074189	-145.492	10.398	-21.824	15.135
		-1.059	4.650	-317.958	58.972	-47.694	0.268696
11203	0.300	-15.854	0.074189	-145.492	10.398	-43.647	15.146
		-1.059	4.650	-317.958	58.972	-95.385	0.966150
11204	0	10.066	-4.649	-294.102	-56.350	-0.001765	11.005
		2.103	-0.073929	-159.469	-10.533	-0.000957	3.337
11204	0.150	10.066	-4.649	-294.102	-56.350	-44.115	10.307
		2.103	-0.073929	-159.469	-10.533	-23.920	3.325
11204	0.300	10.066	-4.649	-294.102	-56.350	-88.229	9.610
		2.103	-0.073929	-159.469	-10.533	-47.840	3.314
11208	0	-1000.348	374.623	18.549	-8.768	-101.380	-1299.163
		-1215.193	463.016	19.862	32.181	157.248	-1595.617
11208	2.250	-1000.348	374.623	18.549	-8.768	-59.647	-456.295
		-1215.193	463.016	19.862	32.181	201.936	-553.874
11208	4.500	-1000.348	374.623	18.549	-8.768	-17.913	386.573
		-1215.193	463.016	19.862	32.181	246.623	487.869
11209	0	-1044.057	-451.352	49.283	-21.543	30.446	1481.189
		-691.731	-274.565	3.477	11.876	2.456	899.839
11209	2.250	-1044.057	-451.352	49.283	-21.543	141.328	465.689
		-691.731	-274.565	3.477	11.876	10.280	282.092
11209	4.500	-1044.057	-451.352	49.283	-21.543	252.211	-549.812
		-691.731	-274.565	3.477	11.876	18.104	-335.655
11210	0	-712.462	97.263	46.869	-3.588	243.895	-87.173
		-603.635	107.444	7.301	5.870	-39.944	-139.321
11210	2.250	-712.462	97.263	46.869	-3.588	349.345	131.659
		-603.635	107.444	7.301	5.870	-23.518	102.417
11210	4.500	-712.462	97.263	46.869	-3.588	454.796	350.491
		-603.635	107.444	7.301	5.870	-7.091	344.155
11211	0	-632.069	-77.833	2.415	-2.384	-12.672	103.877
		-809.097	-80.776	48.015	6.739	253.479	51.310
11211	2.250	-632.069	-77.833	2.415	-2.384	-7.238	-71.240
		-809.097	-80.776	48.015	6.739	361.509	-130.430
11211	4.500	-632.069	-77.833	2.415	-2.384	-1.804	-246.358
		-809.097	-80.776	48.015	6.739	469.539	-312.169
11259	0	-20.273	0.721922	-58.687	-5.317	167.581	7.416
		-31.896	0.450764	15.261	2.311	25.760	39.676
11259	2.000	-20.273	0.721922	-58.687	-5.317	50.212	8.860
		-31.896	0.450764	15.261	2.311	56.282	40.578
11259	4.000	-20.273	0.721922	-58.687	-5.317	-67.157	10.304
		-31.896	0.450764	15.261	2.311	86.803	41.479
11260	0	-2.791	-87.796	-1659.607	-866.141	1385.708	127.207
		24.210	-1.581	-1211.630	70.998	993.287	-6.039
11260	1.000	-2.791	-87.796	-1659.607	-866.141	-273.832	39.414
		24.210	-1.581	-1211.630	70.998	-218.295	-7.621
11260	2.000	-2.791	-87.796	-1659.607	-866.141	-1933.372	-48.379
		24.210	-1.581	-1211.630	70.998	-1429.877	-9.202
11261	0	45.787	-2.724	1028.497	-74.780	-1052.030	6.821
		36.262	85.201	1436.374	863.951	-1485.332	-39.054

11261	1.000	45.787	-2.724	1028.497	-74.780	-23.574	4.098
		36.262	85.201	1436.374	863.951	-49.015	46.144
.							
11261	2.000	45.787	-2.724	1028.497	-74.780	1004.882	1.374
		36.262	85.201	1436.374	863.951	1387.301	131.342
.							
.							
11270	0	-2322.076	-1.475	145.686	-24.591	1357.938	-50.458
		-2126.081	126.566	-0.145529	58.437	-48.203	639.449
.							
11270	0.1000	-2322.076	-1.475	145.686	-24.591	1372.506	-50.606
		-2126.081	126.566	-0.145529	58.437	-48.217	652.105
.							
11270	0.200	-2322.076	-1.475	145.686	-24.591	1387.074	-50.753
		-2126.081	126.566	-0.145529	58.437	-48.232	664.762
.							
.							
11271	0	-479.711	-26.042	84.200	-31.129	-189.603	187.535
		-412.566	-0.617212	63.063	9.849	-133.682	-30.863
.							
11271	2.462	-479.711	-26.042	84.200	-31.129	17.707	123.417
		-412.566	-0.617212	63.063	9.849	21.587	-32.383
.							
11271	4.924	-479.711	-26.042	84.200	-31.129	225.017	59.298
		-412.566	-0.617212	63.063	9.849	176.855	-33.903
.							
.							
11272	0	-425.838	-8.302	40.654	-10.790	-20.527	48.892
		-486.741	42.867	54.541	37.337	-38.310	-209.049
.							
11272	2.462	-425.838	-8.302	40.654	-10.790	79.568	28.450
		-486.741	42.867	54.541	37.337	95.977	-103.505
.							
11272	4.924	-425.838	-8.302	40.654	-10.790	179.663	8.009
		-486.741	42.867	54.541	37.337	230.264	2.039
.							
.							
11273	0	-546.311	-25.946	-269.579	-95.032	715.634	-145.653
		-411.324	0.050022	-196.357	12.228	512.307	15.237
.							
11273	3.010	-546.311	-25.946	-269.579	-95.032	-95.875	-223.757
		-411.324	0.050022	-196.357	12.228	-78.781	15.388
.							
11273	6.021	-546.311	-25.946	-269.579	-95.032	-907.384	-301.861
		-411.324	0.050022	-196.357	12.228	-669.869	15.538
.							
.							
11274	0	-447.876	-0.495892	-221.872	-11.616	663.350	-24.012
		-542.102	28.081	-282.994	95.372	799.210	131.467
.							
11274	3.010	-447.876	-0.495892	-221.872	-11.616	-4.547	-25.505
		-542.102	28.081	-282.994	95.372	-52.681	215.999
.							
11274	6.021	-447.876	-0.495892	-221.872	-11.616	-672.445	-26.998
		-542.102	28.081	-282.994	95.372	-904.572	300.530
.							
.							
11283	0	445.409	-35.722	-172.205	-29.612	-30.342	16.616
		372.827	16.114	-109.612	15.013	-58.576	-13.506
.							
11283	1.000	445.409	-35.722	-172.205	-29.612	-202.540	-19.104
		372.827	16.114	-109.612	15.013	-168.184	2.608
.							
11283	2.000	445.409	-35.722	-172.205	-29.612	-374.738	-54.824
		372.827	16.114	-109.612	15.013	-277.792	18.721
.							
.							
11284	0	328.962	-10.804	87.195	-11.509	-218.405	13.695
		372.759	25.162	112.708	15.422	-266.319	-40.673
.							
11284	1.000	328.962	-10.804	87.195	-11.509	-131.213	2.891
		372.759	25.162	112.708	15.422	-153.615	-15.513
.							
11284	2.000	328.962	-10.804	87.195	-11.509	-44.022	-7.913
		372.759	25.162	112.708	15.422	-40.912	9.648
.							
.							
11303	0	-4.677	0.137791	-159.884	11.646	-0.000959	2.571
		-5.895	4.776	-342.078	60.614	-0.002052	3.805
.							
11303	0.150	-4.677	0.137791	-159.884	11.646	-23.983	2.591
		-5.895	4.776	-342.078	60.614	-51.312	4.521
.							
11303	0.300	-4.677	0.137791	-159.884	11.646	-47.964	2.612
		-5.895	4.776	-342.078	60.614	-102.621	5.238
.							
.							
11304	0	5.041	-4.776	-339.531	-58.639	-0.002037	6.974
		-2.403	-0.184164	-197.904	-12.083	-0.001187	-0.784287
.							
11304	0.150	5.041	-4.776	-339.531	-58.639	-50.930	6.257
		-2.403	-0.184164	-197.904	-12.083	-29.686	-0.811911
.							
11304	0.300	5.041	-4.776	-339.531	-58.639	-101.857	5.541
		-2.403	-0.184164	-197.904	-12.083	-59.370	-0.839534
.							
.							
11308	0	-1096.496	418.492	17.742	-8.055	-94.068	-1441.708
		-1337.940	517.697	-5.955	21.882	170.026	-1776.944
.							
11308	2.250	-1096.496	418.492	17.742	-8.055	-54.150	-500.139
		-1337.940	517.697	-5.955	21.882	156.627	-612.173
.							
11308	4.500	-1096.496	418.492	17.742	-8.055	-14.232	441.430
		-1337.940	517.697	-5.955	21.882	143.228	552.598
.							
.							
11309	0	-950.288	-405.534	14.316	-13.443	48.929	1332.631
		-782.583	-355.449	9.538	8.150	-0.586554	1077.952
.							
11309	2.250	-950.288	-405.534	14.316	-13.443	81.140	420.215
		-782.583	-355.449	9.538	8.150	20.873	278.223
.							
11309	4.500	-950.288	-405.534	14.316	-13.443	113.350	-492.201
		-782.583	-355.449	9.538	8.150	42.332	-521.506
.							
.							

		0.563204	-0.061169	139.595	4.322	-65.157	-0.023122
.							
23701	1.150	-0.612182	-0.945120	-48.827	-0.815109	28.296	-0.169867
		0.279747	0.669219	-0.616301	5.443	1.873	-0.034588
.							
23701	2.300	-0.612182	-0.945120	-86.750	-0.815109	-49.657	-1.257
		0.279747	0.669219	-16.794	5.443	-8.137	0.734984
.							
.							
23801	0	-1.304	-0.587492	17.678	14.415	-10.886	0.639469
		1.070	-0.538098	41.693	19.237	-25.339	0.336650
.							
23801	1.150	-1.304	-0.587492	1.501	14.415	0.141454	-0.036120
		1.070	-0.538098	3.770	19.237	0.801023	-0.282138
.							
23801	2.300	-0.648667	-0.989179	-34.792	15.463	-16.716	-1.455
		0.414268	-0.136412	-14.038	18.190	-7.387	-0.157747
.							
.							
24101	0	-0.076376	0.350702	11.177	6.104	-6.705	-0.199298
		1.013	0.281363	117.877	8.755	-61.735	0.073779
.							
24101	1.150	-0.473700	0.701284	-64.826	3.982	32.492	-0.162790
		-0.148479	-0.303187	-1.197	9.702	0.053882	-0.119494
.							
24101	2.300	-0.473700	0.701284	-97.172	3.982	-60.653	0.643654
		-0.148479	-0.303187	-14.995	9.702	-9.256	-0.468145
.							
.							
24111	0	-0.567808	0.138403	4.102	9.052	-1.067	-0.098974
		-0.676860	2.398	99.055	5.974	-18.322	-3.068
.							
24111	1.150	1.015	0.644885	-83.915	7.973	53.449	-0.082396
		-1.240	2.084	3.911	5.705	11.489	-0.260944
.							
24111	2.300	1.015	0.644885	-116.261	7.973	-61.648	0.659193
		-1.240	2.084	-9.888	5.705	8.052	2.136
.							
.							
24121	0	-0.130413	0.296234	4.905	6.765	-1.153	-0.296269
		-2.825	1.621	103.509	3.712	-15.466	-2.001
.							
24121	1.150	0.203557	0.501202	-80.854	4.496	54.720	-0.026203
		-2.864	1.466	9.243	5.836	29.131	-0.121336
.							
24121	2.300	0.331792	0.556250	-112.201	5.448	-49.497	0.594567
		-2.992	1.411	-5.555	4.884	24.466	1.520
.							
.							
24131	0	0.044340	0.229558	10.649	10.144	-4.390	-0.254891
		-3.445	0.647182	117.110	3.958	-13.714	-0.756505
.							
24131	1.150	0.135379	0.212607	-68.638	4.521	70.354	0.002420
		-3.526	0.448453	10.376	3.586	25.131	-0.014773
.							
24131	2.300	0.169440	0.221273	-98.890	5.170	-17.233	0.252626
		-3.560	0.439787	-5.517	2.937	19.187	0.495209
.							
.							

24141	0	0.005407	0.298163	11.108	1.488	-1.368	-0.340410
		-3.489	0.057338	118.106	1.215	-8.936	-0.063180
.							
24141	1.150	0.130822	0.069503	-68.511	1.490	75.214	0.001032
		-3.574	-0.159151	15.004	3.230	31.226	0.001706
.							
24141	2.300	0.149631	0.057361	-98.069	1.816	-10.632	0.066757
		-3.592	-0.147009	-1.583	2.904	29.009	-0.167111
.							
.							
24151	0	0.008693	0.370631	11.266	0.318293	-1.382	-0.423384
		-3.489	-0.663004	120.725	-1.473	-13.305	0.754866
.							
24151	1.150	0.124403	0.110478	-66.186	-1.455	73.494	-0.001502
		-3.547	-0.902068	15.749	2.263	37.254	-0.003440
.							
24151	2.300	0.143680	0.087854	-95.509	-1.455	-9.141	0.099322
		-3.566	-0.879444	-1.072	2.263	35.356	-1.015
.							
.							
24161	0	0.065494	0.042517	10.928	-2.877	-4.458	-0.046082
		-3.497	-1.616	118.454	0.241801	-13.657	1.844
.							
24161	1.150	0.129075	-0.137164	-68.153	0.302910	70.907	0.003214
		-3.546	-1.368	16.230	-3.298	38.019	-0.018741
.							
24161	2.300	0.147828	-0.169072	-97.711	-0.323268	-14.527	-0.191853
		-3.565	-1.336	-0.356448	-2.972	37.212	-1.555
.							
.							
24171	0	0.098295	-0.128024	3.981	-8.170	-4.484	0.147510
		-3.461	-2.207	113.820	-2.673	-9.389	2.531
.							
24171	1.150	0.189116	-0.286406	-71.902	-3.175	70.936	0.006772
		-3.551	-1.975	13.869	-4.120	29.932	-0.009260
.							
24171	2.300	0.214531	-0.331356	-102.153	-3.825	-20.405	-0.372441
		-3.576	-1.931	-2.024	-3.470	28.006	-2.231
.							
.							
24181	0	0.098424	-0.307246	7.661	-12.903	-3.232	0.343476
		-2.960	-2.786	110.717	-5.592	-14.462	3.300
.							
24181	1.150	0.401211	-0.462895	-73.601	-6.348	64.088	0.039597
		-3.130	-2.552	7.751	-4.413	21.710	0.080868
.							
24181	2.300	0.494374	-0.525888	-104.947	-7.300	-31.788	-0.550571
		-3.223	-2.489	-7.047	-3.461	15.330	-2.796
.							
.							
24191	0	-0.065934	-0.233793	4.412	-5.496	0.181384	0.249367
		-1.586	-2.923	99.640	-4.301	-23.389	3.612
.							
24191	1.150	0.689551	-0.522013	-83.271	-6.267	49.173	0.056466
		-1.393	-2.822	1.562	-6.341	14.004	0.261512
.							
24191	2.300	0.689551	-0.522013	-115.617	-6.267	-65.183	-0.543824
		-1.393	-2.822	-12.236	-6.341	7.867	-2.984
.							

11310	0	-843.386	109.048	19.865	-3.819	133.087	-123.007
		-985.719	123.856	6.053	4.028	-41.828	-191.792
11310	2.250	-843.386	109.048	19.865	-3.819	177.782	122.342
		-985.719	123.856	6.053	4.028	-28.209	86.874
11310	4.500	-843.386	109.048	19.865	-3.819	222.476	367.690
		-985.719	123.856	6.053	4.028	-14.589	365.540
11311	0	-695.245	-91.508	1.675	-2.955	-0.829468	95.810
		-989.428	-87.989	18.387	4.619	125.579	123.585
11311	2.250	-695.245	-91.508	1.675	-2.955	2.939	-110.075
		-989.428	-87.989	18.387	4.619	166.949	-74.383
11311	4.500	-695.245	-91.508	1.675	-2.955	6.708	-315.959
		-989.428	-87.989	18.387	4.619	208.319	-272.352
11359	0	-25.340	-1.756	-29.945	-3.451	111.460	5.464
		-37.291	1.970	-0.969917	2.523	66.651	19.096
11359	2.000	-25.340	-1.756	-29.945	-3.451	51.573	1.952
		-37.291	1.970	-0.969917	2.523	64.711	23.036
11359	4.000	-25.340	-1.756	-29.945	-3.451	-8.314	-1.560
		-37.291	1.970	-0.969917	2.523	62.771	26.977
11360	0	9.040	-32.441	-1354.297	-440.712	1202.778	60.493
		31.702	-0.695692	-1540.618	69.647	1269.947	-6.547
11360	1.000	9.040	-32.441	-1354.297	-440.712	-151.465	28.053
		31.702	-0.695692	-1540.618	69.647	-270.609	-7.242
11360	2.000	9.040	-32.441	-1354.297	-440.712	-1505.707	-4.387
		31.702	-0.695692	-1540.618	69.647	-1811.165	-7.938
11361	0	53.315	-2.715	1357.881	-72.888	-1434.399	4.675
		31.726	33.486	1096.456	441.693	-968.413	-8.193
11361	1.000	53.315	-2.715	1357.881	-72.888	-76.572	1.960
		31.726	33.486	1096.456	441.693	127.999	25.292
11361	2.000	53.315	-2.715	1357.881	-72.888	1281.255	-0.754667
		31.726	33.486	1096.456	441.693	1224.411	58.777
11370	0	-3201.355	3.307	65.655	-33.664	820.492	-1426.042
		-2688.562	40.196	-0.951176	45.343	-80.333	-627.977
11370	0.1000	-3201.355	3.307	65.655	-33.664	827.057	-1425.711
		-2688.562	40.196	-0.951176	45.343	-80.428	-623.958
11370	0.200	-3201.355	3.307	65.655	-33.664	833.622	-1425.380
		-2688.562	40.196	-0.951176	45.343	-80.523	-619.938
11371	0	-530.659	-12.470	89.131	-23.447	-197.883	124.797
		-451.566	-0.657869	66.931	8.920	-140.338	-29.636
11371	2.462	-530.659	-12.470	89.131	-23.447	21.567	94.094
		-451.566	-0.657869	66.931	8.920	24.455	-31.255
11371	4.924	-530.659	-12.470	89.131	-23.447	241.018	63.392
		-451.566	-0.657869	66.931	8.920	189.247	-32.875
11372	0	-467.772	-7.932	44.744	-10.478	-28.105	45.987
		-540.053	28.124	59.858	28.106	-47.967	-147.540
11372	2.462	-467.772	-7.932	44.744	-10.478	82.061	26.457
		-540.053	28.124	59.858	28.106	99.411	-78.297
11372	4.924	-467.772	-7.932	44.744	-10.478	192.227	6.928
		-540.053	28.124	59.858	28.106	246.788	-9.053
11373	0	-522.967	-9.731	-258.846	-53.994	661.263	-89.186
		-458.383	-0.035537	-219.817	11.707	577.638	16.889
11373	3.010	-522.967	-9.731	-258.846	-53.994	-117.935	-118.478
		-458.883	-0.035537	-219.817	11.707	-84.072	16.782
11373	6.021	-522.967	-9.731	-258.846	-53.994	-897.132	-147.770
		-458.883	-0.035537	-219.817	11.707	-745.782	16.675
11374	0	-495.537	-0.578503	-245.404	-11.201	728.993	-23.216
		-576.351	11.787	-292.668	53.849	861.098	83.610
11374	3.010	-495.537	-0.578503	-245.404	-11.201	-9.740	-24.958
		-576.351	11.787	-292.668	53.849	-19.914	119.094
11374	6.021	-495.537	-0.578503	-245.404	-11.201	-748.473	-26.699
		-576.351	11.787	-292.668	53.849	-900.925	154.578
11383	0	499.668	-30.453	-181.779	-26.383	-44.983	13.396
		416.519	15.672	-117.789	14.300	-69.535	-13.231
11383	1.000	499.668	-30.453	-181.779	-26.383	-226.755	-11.056
		416.519	15.672	-117.789	14.300	-187.319	2.441
11383	2.000	499.668	-30.453	-181.779	-26.383	-408.527	-41.507
		416.519	15.672	-117.789	14.300	-305.103	18.112
11384	0	370.927	-11.628	100.859	-9.986	-249.791	13.792
		425.392	19.313	128.040	13.471	-304.508	-27.654
11384	1.000	370.927	-11.628	100.859	-9.986	-148.936	2.165
		425.392	19.313	128.040	13.471	-176.472	-8.342
11384	2.000	370.927	-11.628	100.859	-9.986	-48.081	-9.462
		425.392	19.313	128.040	13.471	-48.437	10.970

.							
.							
11403	0	-6.153	0.231956	-214.718	12.082	-0.001288	4.781
		1.291	4.777	-387.574	60.467	-0.002325	-2.319
.							
11403	0.150	-6.153	0.231956	-214.718	12.082	-32.208	4.815
		1.291	4.777	-387.574	60.467	-58.136	-1.603
.							
11403	0.300	-6.153	0.231956	-214.718	12.082	-64.414	4.850
		1.291	4.777	-387.574	60.467	-116.269	-0.886277
.							
.							
11404	0	-2.225	-4.777	-294.874	-57.515	-0.001769	0.767508
		-1.252	-0.145535	-159.480	-11.658	-0.000957	0.960062
.							
11404	0.150	-2.225	-4.777	-294.874	-57.515	-44.231	0.050939
		-1.252	-0.145535	-159.480	-11.658	-23.922	0.938232
.							
11404	0.300	-2.225	-4.777	-294.874	-57.515	-88.460	-0.665631
		-1.252	-0.145535	-159.480	-11.658	-47.843	0.916403
.							
.							
11408	0	-1241.472	502.741	10.716	-14.912	-134.236	-1709.952
		-1192.158	435.087	-12.969	14.853	128.805	-1514.618
.							
11408	2.250	-1241.472	502.741	10.716	-14.912	-110.125	-578.830
		-1192.158	435.087	-12.969	14.853	99.626	-535.713
.							
11408	4.500	-1241.472	502.741	10.716	-14.912	-86.014	552.291
		-1192.158	435.087	-12.969	14.853	70.446	443.193
.							
.							
11409	0	-788.977	-344.348	3.515	-9.972	-0.382435	1061.645
		-928.456	-436.907	4.377	11.165	-45.314	1336.300
.							
11409	2.250	-788.977	-344.348	3.515	-9.972	7.525	286.893
		-928.456	-436.907	4.377	11.165	-35.466	353.299
.							
11409	4.500	-788.977	-344.348	3.515	-9.972	15.433	-487.859
		-928.456	-436.907	4.377	11.165	-25.619	-629.703
.							
.							
11410	0	-1085.421	131.771	5.535	-4.343	107.622	-220.204
		-843.299	109.035	-7.966	3.641	-83.398	-123.001
.							
11410	2.250	-1085.421	131.771	5.535	-4.343	120.074	76.270
		-843.299	109.035	-7.966	3.641	-101.321	122.318
.							
11410	4.500	-1085.421	131.771	5.535	-4.343	132.526	372.741
		-843.299	109.035	-7.966	3.641	-119.243	367.638
.							
.							
11411	0	-994.129	-87.662	-11.234	-4.412	-96.976	127.247
		-695.111	-91.492	10.110	3.247	50.783	95.784
.							
11411	2.250	-994.129	-87.662	-11.234	-4.412	-122.252	-69.985
		-695.111	-91.492	10.110	3.247	73.529	-110.064
.							
11411	4.500	-994.129	-87.662	-11.234	-4.412	-147.527	-267.216
		-695.111	-91.492	10.110	3.247	96.274	-315.911
.							
.							
11459	0	-37.284	-1.982	-0.973164	-2.577	66.648	-10.189
		-25.255	1.644	-28.625	3.397	108.290	-0.322564
.							
11459	2.000	-37.284	-1.982	-0.973164	-2.577	64.702	-14.154
		-25.255	1.644	-28.625	3.397	51.043	2.966
.							
11459	4.000	-37.284	-1.982	-0.973164	-2.577	62.755	-18.118
		-25.255	1.644	-28.625	3.397	-6.204	6.254
.							
.							
11460	0	32.144	-17.036	-1604.532	-248.756	1317.971	34.150
		-12.515	24.998	-1049.547	304.244	1052.276	-40.740
.							
11460	1.000	32.144	-17.036	-1604.532	-248.756	-286.497	17.115
		-12.515	24.998	-1049.547	304.244	2.771	-15.743
.							
11460	2.000	32.144	-17.036	-1604.532	-248.756	-1890.964	0.079541
		-12.515	24.998	-1049.547	304.244	-1046.734	9.254
.							
.							
11461	0	26.722	-24.477	1056.476	-304.244	-1085.899	7.158
		54.887	20.597	1346.737	251.653	-1353.609	-13.189
.							
11461	1.000	26.722	-24.477	1056.476	-304.244	-29.465	-17.317
		54.887	20.597	1346.737	251.653	-6.926	7.407
.							
11461	2.000	26.722	-24.477	1056.476	-304.244	1026.968	-41.793
		54.887	20.597	1346.737	251.653	1339.757	28.003
.							
.							
11470	0	-2808.199	41.172	36.406	-46.721	437.707	-929.145
		-2660.955	-0.881830	-35.419	33.945	-384.486	-67.077
.							
11470	0.1000	-2808.199	41.172	36.406	-46.721	441.347	-925.028
		-2660.955	-0.881830	-35.419	33.945	-388.027	-67.166
.							
11470	0.200	-2808.199	41.172	36.406	-46.721	444.988	-920.911
		-2660.955	-0.881830	-35.419	33.945	-391.569	-67.254
.							
.							
11471	0	-488.051	-3.712	79.677	-15.142	-173.226	66.954
		-491.825	8.303	75.054	17.087	-161.419	-87.255
.							
11471	2.462	-488.051	-3.712	79.677	-15.142	22.949	57.813
		-491.825	8.303	75.054	17.087	23.372	-66.812
.							
11471	4.924	-488.051	-3.712	79.677	-15.142	219.123	48.673
		-491.825	8.303	75.054	17.087	208.163	-46.370
.							
.							
11472	0	-513.458	-16.621	53.512	-20.445	-51.419	99.734
		-494.682	19.165	50.169	17.973	-22.453	-92.881
.							
11472	2.462	-513.458	-16.621	53.512	-20.445	80.334	58.811
		-494.682	19.165	50.169	17.973	101.070	-45.694
.							

11472	4.924	-513.458	-16.621	53.512	-20.445	212.087	17.888
		-494.682	19.165	50.169	17.973	224.593	1.492
.							
.							
11473	0	-471.189	-5.213	-225.939	-31.318	581.516	-47.532
		-615.264	7.081	-303.255	36.935	817.758	60.073
.							
11473	3.010	-471.189	-5.213	-225.939	-31.318	-98.624	-63.223
		-615.264	7.081	-303.255	36.935	-95.123	81.388
.							
11473	6.021	-471.189	-5.213	-225.939	-31.318	-778.765	-78.915
		-615.264	7.081	-303.255	36.935	-1008.004	102.704
.							
.							
11474	0	-600.340	-8.076	-311.671	-36.961	871.840	-55.782
		-524.419	6.562	-259.693	30.810	781.042	50.933
.							
11474	3.010	-600.340	-8.076	-311.671	-36.961	-66.377	-80.093
		-524.419	6.562	-259.693	30.810	-0.704629	70.688
.							
11474	6.021	-600.340	-8.076	-311.671	-36.961	-1004.594	-104.404
		-524.419	6.562	-259.693	30.810	-782.451	90.443
.							
.							
11483	0	432.718	-25.781	-156.272	-21.315	-37.747	18.932
		485.064	19.835	-139.864	19.135	-81.246	-13.267
.							
11483	1.000	432.718	-25.781	-156.272	-21.315	-194.013	-6.848
		485.064	19.835	-139.864	19.135	-221.105	6.567
.							
11483	2.000	432.718	-25.781	-156.272	-21.315	-350.279	-32.628
		485.064	19.835	-139.864	19.135	-360.963	26.401
.							
.							
11484	0	436.736	-18.573	128.937	-13.637	-310.041	23.854
		359.481	11.985	102.498	9.654	-246.507	-17.227
.							
11484	1.000	436.736	-18.573	128.937	-13.637	-181.108	5.281
		359.481	11.985	102.498	9.654	-144.013	-5.243
.							
11484	2.000	436.736	-18.573	128.937	-13.637	-52.176	-13.291
		359.481	11.985	102.498	9.654	-41.519	6.742
.							
.							
11503	0	-1.310	0.078908	-159.835	10.533	-0.000959	0.217621
		6.397	4.640	-340.950	58.754	-0.002046	-6.510
.							
11503	0.150	-1.310	0.078908	-159.835	10.533	-23.975	0.229456
		6.397	4.640	-340.950	58.754	-51.142	-5.814
.							
11503	0.300	-1.310	0.078908	-159.835	10.533	-47.949	0.241292
		6.397	4.640	-340.950	58.754	-102.283	-5.117
.							
.							
11504	0	2.571	-4.641	-271.267	-55.711	-0.001628	4.881
		-12.446	-0.078989	-145.244	-10.404	-0.000871	-11.615
.							
11504	0.150	2.571	-4.641	-271.267	-55.711	-40.690	4.185
		-12.446	-0.078989	-145.244	-10.404	-21.787	-11.627
.							
11504	0.300	2.571	-4.641	-271.267	-55.711	-81.378	3.489
		-12.446	-0.078989	-145.244	-10.404	-43.572	-11.639
.							
.							
11508	0	-924.114	412.205	-32.001	-27.606	-76.036	-1335.934
		-1096.145	392.291	-14.079	14.759	135.756	-1376.105
.							
11508	2.250	-924.114	412.205	-32.001	-27.606	-148.034	-408.511
		-1096.145	392.291	-14.079	14.759	104.079	-493.486
.							
11508	4.500	-924.114	412.205	-32.001	-27.606	-220.033	518.912
		-1096.145	392.291	-14.079	14.759	72.403	389.134
.							
.							
11509	0	-690.495	-302.726	2.881	-13.167	5.965	927.369
		-1031.025	-470.533	-37.810	19.717	-28.560	1484.488
.							
11509	2.250	-690.495	-302.726	2.881	-13.167	12.447	246.263
		-1031.025	-470.533	-37.810	19.717	-113.630	425.831
.							
11509	4.500	-690.495	-302.726	2.881	-13.167	18.929	-434.844
		-1031.025	-470.533	-37.810	19.717	-198.699	-632.826
.							
.							
11510	0	-663.970	112.213	-0.762193	-6.329	79.382	-156.465
		-712.766	97.308	-34.983	3.407	-194.174	-87.219
.							
11510	2.250	-663.970	112.213	-0.762193	-6.329	77.667	96.093
		-712.766	97.308	-34.983	3.407	-272.883	131.716
.							
11510	4.500	-663.970	112.213	-0.762193	-6.329	75.953	348.472
		-712.766	97.308	-34.983	3.407	-351.592	350.651
.							
.							
11511	0	-809.192	-80.805	-41.384	-6.590	-240.730	51.310
		-632.429	-77.874	9.374	2.661	62.617	103.926
.							
11511	2.250	-809.192	-80.805	-41.384	-6.590	-333.839	-130.495
		-632.429	-77.874	9.374	2.661	83.706	-71.284
.							
11511	4.500	-809.192	-80.805	-41.384	-6.590	-426.949	-312.300
		-632.429	-77.874	9.374	2.661	104.796	-246.493
.							
.							
11559	0	-31.912	-0.460501	15.257	-2.357	25.795	-30.813
		-20.120	0.493411	-60.657	5.249	171.840	0.274214
.							
11559	2.000	-31.912	-0.460501	15.257	-2.357	58.308	-31.734
		-20.120	0.493411	-60.657	5.249	50.530	1.261
.							
11559	4.000	-31.912	-0.460501	15.257	-2.357	86.821	-32.655
		-20.120	0.493411	-60.657	5.249	-70.780	2.248
.							
.							
11560	0	24.727	-15.737	-1276.206	-246.670	1041.914	33.148
		-3.184	77.263	-1581.174	758.990	1361.227	-110.410
.							
11560	1.000	24.727	-15.737	-1276.206	-246.670	-234.241	17.412

		-3.184	77.263	-1581.174	758.990	-219.884	-33.150
.							
11560	2.000	24.727	-15.737	-1276.206	-246.670	-1510.395	1.676
		-3.184	77.263	-1581.174	758.990	-1800.994	44.110
.							
.							
11561	0	35.365	-74.479	1443.448	-756.704	-1534.453	33.947
		47.223	20.810	1017.240	250.689	-970.296	-17.296
.							
11561	1.000	35.365	-74.479	1443.448	-756.704	-91.063	-40.529
		47.223	20.810	1017.240	250.689	46.903	3.513
.							
11561	2.000	35.365	-74.479	1443.448	-756.704	1352.328	-115.005
		47.223	20.810	1017.240	250.689	1064.102	24.322
.							
.							
11570	0	-2198.620	126.957	20.970	-61.867	258.657	456.753
		-2323.141	-1.457	-111.536	25.057	-1048.201	-50.278
.							
11570	0.1000	-2198.620	126.957	20.970	-61.867	260.754	469.448
		-2323.141	-1.457	-111.536	25.057	-1059.355	-50.424
.							
11570	0.200	-2198.620	126.957	20.970	-61.867	262.851	482.143
		-2323.141	-1.457	-111.536	25.057	-1070.508	-50.570
.							
.							
11571	0	-448.030	-3.810	75.200	-15.973	-164.915	67.716
		-495.753	30.026	68.373	26.516	-141.077	-175.553
.							
11571	2.462	-448.030	-3.810	75.200	-15.973	20.237	58.335
		-495.753	30.026	68.373	26.516	27.265	-101.625
.							
11571	4.924	-448.030	-3.810	75.200	-15.973	205.389	48.953
		-495.753	30.026	68.373	26.516	195.608	-27.697
.							
.							
11572	0	-481.001	-36.650	63.273	-31.068	-103.125	180.640
		-453.496	19.099	45.529	17.705	-13.493	-95.491
.							
11572	2.462	-481.001	-36.650	63.273	-31.068	52.659	90.403
		-453.496	19.099	45.529	17.705	98.606	-48.466
.							
11572	4.924	-481.001	-36.650	63.273	-31.068	208.444	0.166465
		-453.496	19.099	45.529	17.705	210.705	-1.442
.							
.							
11573	0	-423.609	-5.315	-202.520	-31.550	516.187	-43.835
		-539.058	22.803	-265.953	83.268	713.465	127.245
.							
11573	3.010	-423.609	-5.315	-202.520	-31.550	-93.455	-59.835
		-539.058	22.803	-265.953	83.268	-87.128	195.888
.							
11573	6.021	-423.609	-5.315	-202.520	-31.550	-703.097	-75.836
		-539.058	22.803	-265.953	83.268	-887.721	264.531
.							
.							
11574	0	-524.790	-24.497	-274.447	-83.609	768.027	-114.808
		-477.298	6.218	-236.335	30.814	716.064	52.877
.							
11574	3.010	-524.790	-24.497	-274.447	-83.609	-58.134	-188.551
		-477.298	6.218	-236.335	30.814	4.630	71.595
.							
11574	6.021	-524.790	-24.497	-274.447	-83.609	-884.295	-262.293
		-477.298	6.218	-236.335	30.814	-706.803	90.313
.							
.							
11583	0	390.228	-26.132	-145.735	-21.569	-29.867	19.273
		429.285	25.627	-133.789	22.576	-62.101	-11.058
.							
11583	1.000	390.228	-26.132	-145.735	-21.569	-175.597	-6.859
		429.285	25.627	-133.789	22.576	-195.884	14.568
.							
11583	2.000	390.228	-26.132	-145.735	-21.569	-321.326	-32.989
		429.285	25.627	-133.789	22.576	-329.668	40.194
.							
.							
11584	0	384.057	-24.533	115.197	-15.186	-273.278	36.695
		317.756	11.531	86.281	11.368	-212.909	-17.614
.							
11584	1.000	384.057	-24.533	115.197	-15.186	-158.086	12.163
		317.756	11.531	86.281	11.368	-126.631	-6.084
.							
11584	2.000	384.057	-24.533	115.197	-15.186	-42.894	-12.370
		317.756	11.531	86.281	11.368	-40.354	5.446
.							
.							

.ID GWS3MY,STATIK2,1.58
.UN M,KN
.EL !LCIM.001
.SK 3
.TP 12
.TK 6
ENVOLVENTE para < My > (y valores concomitantes)
(1. l¡nea: MIN., 2. l¡nea: MAX.)

Barra	Distancia [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
11203	0	-17.229	0.728845	-341.777	22.949	-0.002051	16.925
		-0.483361	4.066	-138.848	15.929	-0.000833	-0.910809
.							
11203	0.150	-17.229	0.728845	-341.777	22.949	-51.267	17.034
		-0.483361	4.066	-138.848	15.929	-20.827	-0.300889
.							
11203	0.300	-17.229	0.728845	-341.777	22.949	-102.531	17.143
		-0.483361	4.066	-138.848	15.929	-41.654	0.309032
.							
.							
11204	0	-2.182	-0.721760	-390.486	-45.432	-0.002343	-2.777
		13.362	-4.103	-152.495	-17.914	-0.000915	14.699
.							
11204	0.150	-2.182	-0.721760	-390.486	-45.432	-58.573	-2.885
		13.362	-4.103	-152.495	-17.914	-22.874	14.084
.							
11204	0.300	-2.182	-0.721760	-390.486	-45.432	-117.143	-2.994
		13.362	-4.103	-152.495	-17.914	-45.748	13.468
.							
.							

11208	0	-985.039	380.198	16.954	-2.907	-108.364	-1300.520
		-1230.502	457.440	21.457	26.320	164.232	-1594.260
.							
11208	2.250	-1000.229	373.871	15.504	-6.814	-71.812	-458.277
		-1215.312	463.767	22.907	30.227	214.101	-551.891
.							
11208	4.500	-814.258	292.183	1.558	-2.834	-46.117	363.060
		-1105.158	462.453	52.433	23.984	293.505	606.873
.							
.							
11209	0	-793.897	-289.788	0.908426	0.311636	-48.062	934.475
		-964.007	-342.102	43.312	-13.484	75.333	1123.077
.							
11209	2.250	-809.088	-283.460	-0.542049	4.220	-47.612	295.647
		-948.817	-348.430	44.763	-17.392	174.375	340.209
.							
11209	4.500	-809.088	-283.460	-0.542049	4.220	-48.831	-342.113
		-1117.426	-449.048	52.528	-19.399	289.400	-558.697
.							
.							
11210	0	-903.590	112.295	6.951	4.000	-66.927	-182.738
		-1187.307	141.430	56.468	-2.031	316.564	-208.393
.							
11210	2.250	-904.710	112.218	6.522	3.674	-51.925	69.633
		-1186.635	141.476	56.725	-1.835	443.993	109.981
.							
11210	4.500	-764.631	93.789	1.533	-0.011022	-46.714	316.140
		-910.863	140.658	60.745	1.084	579.341	496.120
.							
11211	0	-736.534	-92.790	2.522	-1.090	-55.090	96.379
		-1131.309	-119.885	55.316	4.534	317.992	145.954
.							
11211	2.250	-737.654	-92.712	2.094	-0.765264	-50.053	-112.107
		-1130.637	-119.932	55.572	4.339	442.830	-123.947
.							
11211	4.500	-590.617	-80.723	-2.674	2.558	-55.043	-335.023
		-848.957	-125.201	59.255	1.825	575.193	-479.931
.							
.							
11259	0	-19.713	0.150284	15.437	0.935519	15.184	40.188
		-30.135	-1.723	-62.084	-3.352	191.004	1.318
.							
11259	2.000	38.717	-0.343890	-11.492	-1.188	38.012	36.995
		-42.676	-0.760062	-22.997	-0.608114	81.742	0.068713
.							
11259	4.000	-20.062	-1.719	-60.704	-5.143	-70.951	37.273
		-45.814	0.092281	9.262	0.570825	91.083	2.729
.							
.							
11260	0	19.731	-73.165	-857.649	-682.112	710.924	108.793
		-1.667	-1.874	-1569.632	6.309	1481.884	-8.298
.							
11260	1.000	29.308	-0.784934	-1949.036	17.199	-795.885	-6.669
		-41.827	-84.191	-571.003	-734.160	297.041	21.577
.							
11260	2.000	29.308	-0.784934	-1949.036	17.199	-2744.843	-7.454
		-41.827	-84.191	-571.003	-734.160	-273.939	-62.610

.							
.							
11261	0	71.613	-5.003	1883.201	-11.388	-2452.384	14.302
		28.875	71.864	784.673	655.721	-439.373	-35.617
.							
11261	1.000	88.492	-6.594	1633.407	-14.089	-650.403	14.623
		28.875	71.864	784.673	655.721	345.269	36.244
.							
11261	2.000	81.095	73.519	1128.492	727.712	636.817	125.643
		38.127	-2.566	1514.446	-9.800	1465.801	-0.513258
.							
.							
11270	0	-2390.507	2.555	4.031	19.521	-142.428	-1064.225
		-3263.161	76.364	169.104	21.009	1727.095	-73.054
.							
11270	0.1000	-2390.507	2.555	4.031	19.521	-142.025	-1063.970
		-3263.161	76.364	169.104	21.009	1744.005	-65.418
.							
11270	0.200	-2390.507	2.555	4.031	19.521	-141.622	-1063.714
		-3263.161	76.364	169.104	21.009	1760.915	-57.782
.							
.							
11271	0	-331.483	-0.560097	68.297	0.474159	-257.698	-2.239
		-365.703	-29.545	13.284	-16.808	27.745	159.419
.							
11271	2.462	-284.196	-29.213	65.661	-17.653	-93.716	63.872
		-412.962	1.270	15.917	2.701	64.623	14.036
.							
11271	4.924	-325.457	-29.575	23.426	-15.281	49.622	9.145
		-537.135	-2.003	97.312	0.514999	258.723	-12.956
.							
.							
11272	0	-444.600	1.813	101.026	-0.226824	-263.772	5.449
		-497.534	25.452	42.387	16.533	35.302	-125.917
.							
11272	2.462	-207.491	32.570	59.789	24.572	-24.590	-68.648
		-544.821	-3.203	45.023	-1.598	143.836	4.229
.							
11272	4.924	-259.845	28.866	31.007	18.876	93.621	-2.442
		-524.596	2.117	103.925	0.470718	276.775	15.788
.							
.							
11273	0	-296.487	-22.844	-146.712	-72.088	408.108	-103.188
		-647.979	1.248	-308.113	0.937339	877.750	-9.188
.							
11273	3.010	-444.429	0.372897	-220.587	2.580	-141.354	2.256
		-425.648	-23.137	-183.576	-76.488	16.415	-195.866
.							
11273	6.021	-647.979	1.248	-308.113	0.937339	-977.259	-1.672
		-296.487	-22.844	-146.712	-72.088	-475.179	-240.724
.							
.							
11274	0	-210.301	25.567	-130.436	77.632	322.080	96.866
		-628.401	-0.647091	-309.845	-0.553169	901.127	-0.895636
.							
11274	3.010	-344.133	0.835047	-200.946	-0.375866	-104.226	-13.296
		-507.809	22.480	-251.119	68.315	32.661	162.337
.							
11274	6.021	-598.298	-0.596393	-299.538	-0.600857	-970.083	-2.717

OBRA: OC-04-00 : ACCESOS A ZARAGOZA
PASO SUPERIOR CAMINO DE SAN ANTÓN

fck, viga [MPa] =	*45*				
fck, losa [MPa] =	*25*				
Canto Viga [m] =	*0.8*				
Area viga[m2] =	*0.1999*	perd,inst =	*0.93*	Ec, viga [MPa] =	31928
Iy, viga [m4] =	*0.018097*	perdi_dif =	*0.85*	Ec,losa [MPa] =	27264
y,cdg, viga [m] =	*0.419*			n =	0.85
Wsup [m3] =	0.0475				
W inf [m3] =	0.0432				
Ancho losa [m] =	*2.3*				
espesor Losa [m]	*0.2*				
Area V+L [m2] =	0.593				
B V+L [m3] =	0.107				
y_inf =	0.820				
y_sup =	-0.180				
fibra,sup,viga =	-0.020				
Iy V+L [m4] =	0.054				
sigma_0 [MPa] =	*1425*				
Luz, viga =	*12.7*				

	Capa 1		Capa 2		Capa 3		Capa 4			Pretensado	pp, viga	pp, losa	Env. Servicio	gamma p = 1.05 Vacio		gamma p = 1.05 ELS a t=0		gamma p = 0.95 ELS a t=inf	
Sección x [m]	Area	y	Area	y	Area	y	Area	y		N,p,0 [kN]	M,p,0 [kNm]	My [kNm]	My [kNm]	My [kNm]	s_inf [MPa]	s_sup [MPa]	s_inf [MPa]	s_sup [MPa]	s_inf [MPa]	s_sup [MPa]
0	11.2	0.05	0	0.098	0	0.146	4	0.75		-2014.38	-372.24	0.00	0.00	**-11.09**	-19.6	-2.4	-15.4	-15.4	-15.3	1.2
0	11.2	0.05	0	0.098	0	0.146	4	0.75		-2014.38	-372.24	0.00	0.00	**1.72**	-19.6	-2.4	-19.6	-19.6	-15.1	-1.2
1.27	11.2	0.05	0	0.098	0	0.146	4	0.75		-2014.38	-372.24	36.27	83.47	**50.84**	-17.7	-3.1	-15.0	-16.7	-11.6	-3.9
1.27	11.2	0.05	0	0.098	0	0.146	4	0.75		-2014.38	-372.24	36.27	83.47	**415.34**	-18.8	-3.1	-10.6	-12.2	-6.0	-3.8
1.27	11.2	0.05	0	0.098	0	0.146	4	0.75		-2014.38	-372.24	36.27	83.47	**50.18**	-18.8	-3.1	-16.1	-17.8	-11.6	-3.9
1.27	11.2	0.05	0	0.098	0	0.146	4	0.75		-2014.38	-372.24	36.27	83.47	**410.03**	-18.8	-3.1	-10.6	-12.2	-6.1	-3.8
2.54	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	64.48	148.39	**88.86**	-27.8	-2.3	-23.0	-26.1	-16.3	-4.6
2.54	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	64.48	148.39	**675.99**	-27.8	-2.3	-14.1	-17.0	-7.4	-4.4
2.54	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	64.48	148.39	**87.7**	-27.8	-2.3	-23.1	-26.2	-16.3	-4.6
2.54	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	64.48	148.39	**667.43**	-27.8	-2.3	-14.3	-17.1	-7.5	-4.4
3.81	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	64.48	148.39	**112.84**	-27.4	-2.8	-21.1	-25.2	-14.4	-6.1
3.81	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	84.63	194.76	**985.32**	-27.4	-2.8	-7.9	-11.6	-1.1	-5.8
3.81	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	84.63	194.76	**110.8**	-27.4	-2.8	-21.2	-25.2	-14.4	-6.1
5.08	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	84.63	194.76	**979.39**	-27.4	-2.8	-8.0	-11.7	-1.2	-5.8
5.08	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	96.73	222.58	**123.35**	-27.1	-3.0	-20.1	-24.7	-13.3	-7.1
5.08	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	96.73	222.58	**1122.37**	-27.1	-3.0	-4.9	-9.2	1.9	-6.7
5.08	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	96.73	222.58	**119.98**	-27.1	-3.0	-20.1	-24.7	-13.3	-7.1
6.35	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	96.73	222.58	**1119.83**	-27.1	-3.0	-4.9	-9.2	1.8	-6.7
6.35	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	100.76	231.85	**122.58**	-27.0	-3.1	-19.8	-24.6	-13.0	-7.4
6.35	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	100.76	231.85	**1090.3**	-27.0	-3.1	-5.1	-9.6	1.7	-7.0
6.35	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	100.76	231.85	**117.59**	-27.0	-3.1	-19.8	-24.7	-13.1	-7.4
7.62	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	100.76	231.85	**1090.95**	-27.0	-3.1	-5.1	-9.6	1.7	-7.0
7.62	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	96.73	222.58	**114.74**	-27.1	-3.0	-20.2	-24.8	-13.4	-7.1
7.62	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	96.73	222.58	**974.02**	-27.1	-3.0	-7.2	-11.5	-0.4	-6.8
7.62	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	96.73	222.58	**108.02**	-27.1	-3.0	-20.3	-24.9	-13.5	-7.1
8.89	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	96.73	222.58	**969.35**	-27.1	-3.0	-7.2	-11.6	-0.5	-6.8
8.89	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	84.63	194.76	**106.53**	-27.4	-2.8	-21.2	-25.3	-14.5	-6.2
8.89	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	84.63	194.76	**937.43**	-27.4	-2.8	-8.6	-12.4	-1.9	-5.8
8.89	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	84.63	194.76	**97.96**	-27.4	-2.8	-21.4	-25.4	-14.6	-6.2
10.16	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	84.63	194.76	**934.86**	-27.4	-2.8	-8.7	-12.4	-1.9	-5.8
10.16	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	64.48	148.39	**79.48**	-27.8	-2.3	-23.2	-26.3	-16.4	-4.6
10.16	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	64.48	148.39	**738.59**	-27.8	-2.3	-13.2	-16.0	-6.4	-4.4
10.16	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	64.48	148.39	**77.83**	-27.8	-2.3	-23.2	-26.3	-16.4	-4.6
11.43	11.2	0.05	0	0.098	0	0.146	4	0.75		-2014.38	-372.24	36.27	83.47	**27.08**	-18.8	-3.1	-16.4	-18.2	-11.9	-3.9
11.43	11.2	0.05	0	0.098	0	0.146	4	0.75		-2014.38	-372.24	36.27	83.47	**380.98**	-18.8	-3.1	-11.1	-12.7	-6.5	-3.8
11.43	11.2	0.05	0	0.098	0	0.146	4	0.75		-2014.38	-372.24	36.27	83.47	**24.72**	-18.8	-3.1	-16.5	-18.2	-11.9	-3.9
11.43	11.2	0.05	0	0.098	0	0.146	4	0.75		-2014.38	-372.24	36.27	83.47	**382.11**	-18.8	-3.1	-11.1	-12.7	-6.5	-3.8

12.7	**11.2**	**0.05**	**0**	**0.098**	**0**	**0.146**	**4**	**0.75**	-2014.38	-372.24	0.00	0.00	**-39.25**	-19.6	-2.4	-20.2	-20.2	-15.7	-1.2
12.7	**11.2**	**0.05**	**0**	**0.098**	**0**	**0.146**	**4**	**0.75**	-2014.38	-372.24	0.00	0.00	**32.8**	-19.6	-2.4	-19.1	-19.1	-14.6	-1.2
													Max compr:	-27.8			Max trac:	1.9	

OBRA: OC-04-00 : ACCESOS A ZARAGOZA
PASO SUPERIOR CAMINO DE SAN ANTÓN

Cortante en Viga

fck [MPa] =	**25**	psi =	1.459
d [m] =	**0.95**	alfa,ras =	**0.438**
b0 [m] =	**0.1**		

Barra		Vd [kNm/m]	N [kNm/m]	rho,l	Vcu [kN]	A,alfa [cm2/m]	Rasante,inf	A,alfa,inf [cm2/m]
1201	**0**	**131.55**	-1712	0.020	92.22	1.15	57.55	1.68
1201	**0**	**617.39**	-1712	0.020	92.22	15.36	270.11	7.90
1201	**1.27**	**125.2**	-1712	0.020	92.22	0.96	54.78	1.60
1201	**1.27**	**608.81**	-1712	0.020	92.22	15.10	266.35	7.79
1202	**1.27**	**99.48**	-1712	0.020	92.22	0.83	43.52	1.27
1202	**1.27**	**486.05**	-1712	0.020	92.22	11.52	212.65	6.22
1202	**2.54**	**93.13**	-2343	0.020	107.39	0.83	40.74	1.19
1202	**2.54**	**477.48**	-2343	0.020	107.39	10.82	208.90	6.11
1203	**2.54**	**-10.14**	-2343	0.020	107.39	0.83	4.44	0.13
1203	**2.54**	**440.31**	-2343	0.020	107.39	9.73	192.64	5.63
1203	**3.81**	**-16.5**	-2343	0.020	107.39	0.83	7.22	0.21
1203	**3.81**	**431.73**	-2343	0.020	107.39	9.48	188.88	5.52
1204	**3.81**	**-30.02**	-2343	0.020	107.39	0.83	13.13	0.38
1204	**3.81**	**217.31**	-2343	0.020	107.39	3.21	95.07	2.78
1204	**5.08**	**-36.37**	-2343	0.020	107.39	0.83	15.91	0.47
1204	**5.08**	**208.74**	-2343	0.020	107.39	2.96	91.32	2.67
1205	**5.08**	**-45.78**	-2343	0.020	107.39	0.83	20.03	0.59
1205	**5.08**	**181.46**	-2343	0.020	107.39	2.17	79.39	2.32
1205	**6.35**	**-52.13**	-2343	0.020	107.39	0.83	22.81	0.67
1205	**6.35**	**172.89**	-2343	0.020	107.39	1.92	75.64	2.21
1206	**6.35**	**-245.46**	-2343	0.020	107.39	4.04	107.39	3.14
1206	**6.35**	**168.47**	-2343	0.020	107.39	1.79	73.71	2.16
1206	**7.62**	**-254.03**	-2343	0.020	107 39	4.29	111.14	3.25
1206	**7.62**	**162.12**	-2343	0.020	107.39	1.60	70.93	2.07
1207	**7.62**	**-274.29**	-2343	0.020	107.39	4.88	120.00	3.51
1207	**7.62**	**-18.06**	-2343	0.020	107.39	0.83	7.90	0.23
1207	**8.89**	**-282.87**	-2343	0.020	107.39	5.13	123 76	3.62
1207	**8.89**	**-24.41**	-2343	0.020	107.39	0.83	10.68	0.31
1208	**8.89**	**-306.68**	-2343	0.020	107.39	5 83	134.17	3.92
1208	**8.89**	**-18.39**	-2343	0.020	107.39	0.83	8.05	0.24
1208	**10.16**	**-315.25**	-2343	0.020	107.39	6.08	137.92	4.03
1208	**10.16**	**-24.74**	-2343	0.020	107.39	0.83	10.82	0.32
1209	**10.16**	**-503.36**	-2343	0.020	107.39	11.58	220.22	6.44
1209	**10.16**	**-9.02**	-2343	0.020	107.39	0.83	3.95	0.12

1209	**11.43**	**-511.93**	-1712	0.020	92.22	12.27	223.97	6.55
1209	**11.43**	**-15.37**	-1712	0.020	92.22	0.83	6.72	0.20
1210	**11.43**	**-524.86**	-1712	0.020	92.22	12.65	229.63	6.71
1210	**11.43**	**-125.06**	-1712	0.020	92.22	0.96	54.71	1.60
1210	**12.7**	**-533.44**	-1712	0.020	92.22	12.90	233.38	6.82
1210	**12.7**	**-131.41**	-1712	0.020	92.22	1.15	57.49	1.68

OBRA: OC-04-00 : ACCESOS A ZARAGOZA
PASO SUPERIOR CAMINO DE SAN ANTÓN

fck, viga [MPa] =	*45*				
fck, losa [MPa] =	*25*				
Canto Viga [m] =	*0.8*				
Area viga[m2] =	*0.1999*	perd,inst =	*0.93*	Ec, viga [MPa] =	31928
Iy, viga [m4] =	*0.018097*	perdi_dif =	*0.85*	Ec,losa [MPa] =	27264
y,cdg, viga [m] =	*0.419*			n =	0.85
Wsup [m3] =	0.0475				
W inf [m3] =	0.0432				
Ancho losa [m] =	*1.55*				
espesor Losa [m]	*0.2*				
Area V+L [m2] =	0.465				
B V+L [m3] =	0.094				
y_inf =	0.798				
y_sup =	-0.202				
fibra,sup,viga =	0.002				
Iy V+L [m4] =	0.050				
sigma_0 [MPa] =	*1425*				
Luz, viga =	*13.9*				

	Capa 1		Capa 2		Capa 3		Capa 4			Pretensado	pp. viga	pp, losa	Env. Servicio	gamma p = 1.05 Vacio		gamma p = 1.05 ELS a t=0		gamma p = 0.95 ELS a t=inf	
Sección x [m]	Area	y	Area	y	Area	y	Area	y		N,p,0 [kN]	M,p,0 [kNm]	My [kNm]	My [kNm]	My [kNm]	s_inf [MPa]	s_sup [MPa]	s_inf [MPa]	s_sup [MPa]	s_inf [MPa]	s_sup [MPa]
0	11.2	0.05	0	0.098	0	0.146	4	0.75		-2014.38	-372.24	0.00	0.00	**-68.45**	-19.6	-2.4	-17.3	-17.3	-16.2	-1.2
0	11.2	0.05	0	0.098	0	0.146	4	0.75		-2014.38	-372.24	0.00	0.00	**49.27**	-19.6	-2.4	-18.9	-18.9	-14.3	-1.2
1.39	11.2	0.05	0	0.098	0	0.146	4	0.75		-2014.38	-372.24	43.45	67.38	**74.88**	-18.1	-3.3	-15.3	-16.7	-11.3	-3.7
1.39	11.2	0.05	0	0.098	0	0.146	4	0.75		-2014.38	-372.24	43.45	67.38	**366.84**	-18.6	-3.3	-11.3	-12.7	-6.7	-3.8
1.39	11.2	0.05	0	0.098	0	0.146	4	0.75		-2014.38	-372.24	43.45	67.38	**69.32**	-18.6	-3.3	-16.0	-17.4	-11.4	-3.7
2.78	11.2	0.05	0	0.098	0	0.146	4	0.75		-2014.38	-372.24	43.45	67.38	**370.61**	-18.6	-3.3	-11.2	-12.6	-6.7	-3.8
2.78	11.2	0.05	0	0.098	0	0.146	4	0.75		-2014.38	-372.24	77.25	119.79	**142.72**	-17.8	-4.0	-12.8	-15.3	-8.3	-5.7
2.78	11.2	0.05	0	0.098	0	0.146	4	0.75		-2014.38	-372.24	77.25	119.79	**694.29**	-17.8	-4.0	-4.1	-6.6	0.4	-5.8
2.78	11.2	0.05	0	0.098	0	0.146	4	0.75		-2014.38	-372.24	77.25	119.79	**138.72**	-17.8	-4.0	-12.9	-15.4	-8.3	-5.7
4.17	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2014.38	-372.24	77.25	119.79	**698.06**	-17.8	-4.0	-4.0	-6.6	0.5	-5.8
4.17	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	101.38	157.22	**191.43**	-27.0	-3.1	-20.3	-23.6	-13.5	-5.7
4.17	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	101.38	157.22	**961.75**	-27.0	-3.1	-8.1	-11.5	-1.3	-5.8
4.17	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	101.38	157.22	**189.22**	-27.0	-3.1	-20.3	-23.7	-13.6	-5.7
5.56	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	101.38	157.22	**964.5**	-27.0	-3.1	-8.1	-11.4	-1.3	-5.8
5.56	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	115.87	179.69	**221.01**	-26.6	-3.4	-19.0	-22.8	-12.2	-6.6
5.56	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	115.87	179.69	**1102.31**	-26.6	-3.4	-5.0	-8.9	1.7	-6.6
5.56	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	115.87	179.69	**219.89**	-26.6	-3.4	-19.0	-22.8	-12.2	-6.6
6.95	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	115.87	179.69	**1103.33**	-26.6	-3.4	-5.0	-8.9	1.8	-6.6
6.95	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	120.70	187.17	**231.22**	-26.5	-3.5	-18.5	-22.5	-11.8	-6.9
6.95	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	120.70	187.17	**1116.15**	-26.5	-3.5	-4.5	-8.5	2.2	-6.9
6.95	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	120.70	187.17	**230.35**	-26.5	-3.5	-18.5	-22.5	-11.8	-6.9
8.34	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	120.70	187.17	**1117.08**	-26.5	-3.5	-4.5	-8.5	2.3	-6.9
8.34	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	115.87	179.69	**222.25**	-26.6	-3.4	-19.0	-22.8	-12.2	-6.6
8.34	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	115.87	179.69	**1043.01**	-26.6	-3.4	-6.0	-9.8	0.8	-6.6
8.34	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	115.87	179.69	**221.6**	-26.6	-3.4	-19.0	-22.8	-12.2	-6.6
9.73	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	115.87	179.69	**1038.84**	-26.6	-3.4	-6.0	-9.9	0.7	-6.6
9.73	11.2	0.05	5.6	0.098	0	0.145	4	0.75		-2756.52	-610.46	101.38	157.22	**193.88**	-27.0	-3.1	-20.3	-23.6	-13.5	-5.7
9.73	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	101.38	157.22	**956.98**	-27.0	-3.1	-8.2	-11.5	-1.4	-5.8
9.73	11.2	0.05	5.6	0.098	0	0.146	4	0.75		-2756.52	-610.46	101.38	157.22	**193.34**	-27.0	-3.1	-20.3	-23.6	-13.5	-5.7
11.12	11.2	0.05	0	0.098	0	0.146	4	0.75		-2756.52	-610.46	101.38	157.22	**952.55**	-27.0	-3.1	-8.3	-11.6	-1.5	-5.8
11.12	11.2	0.05	0	0.098	0	0.146	4	0.75		-2014.38	-372.24	77.25	119.79	**144.85**	-17.8	-4.0	-12.8	-15.3	-8.2	-5.7
11.12	11.2	0.05	0	0.098	0	0.146	4	0.75		-2014.38	-372.24	77.25	119.79	**744.54**	-17.8	-4.0	-3.3	-5.8	1.2	-5.8
11.12	11.2	0.05	0	0.098	0	0.146	4	0.75		-2014.38	-372.24	77.25	119.79	**145.93**	-17.8	-4.0	-12.8	-15.3	-8.2	-5.7
12.51	11.2	0.05	0	0.098	0	0.146	4	0.75		-2014.38	-372.24	77.25	119.79	**739.21**	-17.8	-4.0	-3.4	-5.9	1.2	-5.8
12.51	11.2	0.05	0	0.098	0	0.146	4	0.75		-2014.38	-372.24	43.45	67.38	**74.01**	-18.6	-3.3	-15.9	-17.3	-11.4	-3.7
12.51	11.2	0.05	0	0.098	0	0.146	4	0.75		-2014.38	-372.24	43.45	67.38	**401.42**	-18.6	-3.3	-10.7	-12.1	-6.2	-3.8
12.51	11.2	0.05	0	0.098	0	0.146	4	0.75		-2014.38	-372.24	43.45	67.38	**79.23**	-18.6	-3.3	-15.8	-17.2	-11.3	-3.7
12.51	11.2	0.05	0	0.098	0	0.146	4	0.75		-2014.38	-372.24	43.45	67.38	**395.88**	-18.6	-3.3	-10.8	-12.2	-6.3	-3.8

13.9	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-372.24	0.00	0.00	-42.72	-19.6	-2.4	-20.3	-20.3	-15.8	-1.2
13.9	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-372.24	0.00	0.00	66.6	-19.6	-2.4	-18.6	-18.6	-14.0	-1.2
													Max compr:	-27.0			Max trac:	2.3	

OBRA: OC-04-00 : ACCESOS A ZARAGOZA
PASO SUPERIOR CAMINO DE SAN ANTÓN

Cortante en Viga

fck [MPa] =	**25**	psi =	1.459
d [m] =	**0.95**	alfa,ras =	**0.438**
b0 [m] =	**0.1**		

Barra		Vd [kNm/m]	N [kNm/m]	rho,l	Vcu [kN]	A,alfa [cm2/m]	Rasante,inf	A,alfa,inf [cm2/m]
2101	**0**	**139.71**	-1712	0.020	103.57	1.06	61.12	1.79
2101	**0**	**538.96**	-1712	0.020	103.57	12.73	235.80	6.89
2101	**1.39**	**121.64**	-1712	0.020	103.57	0.83	53.22	1.56
2101	**1.39**	**507**	-1712	0.020	103.57	11.80	221.81	6.49
2102	**1.39**	**108.14**	-1712	0.020	103.57	0.83	47.31	1.38
2102	**1.39**	**454.38**	-1712	0.020	103.57	10.26	198.79	5.81
2102	**2.78**	**90.07**	-1712	0.020	103.57	0.83	39.41	1.15
2102	**2.78**	**422.43**	-1712	0.020	103.57	9.32	184.81	5.40
2103	**2.78**	**74.15**	-1712	0.020	103.57	0.83	32.44	0.95
2103	**2.78**	**367.19**	-1712	0.020	103.57	7.71	160.65	4.70
2103	**4.17**	**56.08**	-2343	0.020	122.92	0.83	24.54	0.72
2103	**4.17**	**335.24**	-2343	0.020	122.92	6.21	146.67	4.29
2104	**4.17**	**25.33**	-2343	0.020	122.92	0.83	11.08	0.32
2104	**4.17**	**230.95**	-2343	0.020	122.92	3.16	101.04	2.95
2104	**5.56**	**7.26**	-2343	0.020	122.92	0.83	3.18	0.09
2104	**5.56**	**199**	-2343	0.020	122.92	2.22	87.06	2.55
2105	**5.56**	**-24.4**	-2343	0.020	122.92	0.83	10.68	0.31
2105	**5.56**	**146.91**	-2343	0.020	122.92	0.83	64.27	1.88
2105	**6.95**	**-42.47**	-2343	0.020	122.92	0.83	18.58	0 54
2105	**6.95**	**114.95**	-2343	0.020	122.92	0.83	50.29	1.47
2106	**6.95**	**-126.8**	-2343	0.020	122.92	0.83	55.48	1.62
2106	**6.95**	**71.63**	-2343	0.020	122.92	0.83	31.34	0.92
2106	**8.34**	**-158.76**	-2343	0.020	122.92	1.05	69.46	2.03
2106	**8.34**	**53.56**	-2343	0.020	122.92	0.83	23.43	0.69
2107	**8.34**	**-212.04**	-2343	0.020	122.92	2.61	92.77	2.71
2107	**8.34**	**-11.74**	-2343	0.020	122.92	0.83	5.14	0.15
2107	**9.73**	**-243.99**	-2343	0.020	122.92	3.54	106.75	3.12
2107	**9.73**	**-29.81**	-2343	0.020	122.92	0.83	13.04	0.38
2108	**9.73**	**-296.09**	-2343	0.020	122.92	5.06	129.54	3.79
2108	**9.73**	**-51.35**	-2343	0.020	122.92	0.83	22.47	0.66
2108	**11.12**	**-328.05**	-1712	0.020	103.57	6.56	143.52	4.20
2108	**11.12**	**-69.42**	-1712	0.020	103.57	0.83	30.37	0.89
2109	**11.12**	**-435.94**	-1712	0.020	103.57	9.72	190.72	5.58
2109	**11.12**	**-84.66**	-1712	0.020	103.57	0.83	37.04	1.08

2109	**12.51**	**-467.9**	-1712	0.020	103.57	10.65	204.71	5.99
2109	**12.51**	**-102.73**	-1712	0.020	103.57	0.83	44.94	1.31
2110	**12.51**	**-525.03**	-1712	0.020	103.57	12.32	229.70	6.72
2110	**12.51**	**-117.34**	-1712	0.020	103.57	0.83	51.34	1.50
2110	**13.9**	**-556.99**	-1712	0.020	103.57	13.26	243.68	7.13
2110	**13.9**	**-135.41**	-1712	0.020	103.57	0.93	59.24	1.73

OBRA: OC-04-00 : ACCESOS A ZARAGOZA
PASO SUPERIOR CAMINO DE SAN ANTÓN

fck, viga [MPa] =	*45*				
fck, losa [MPa] =	*25*				
Canto Viga [m] =	*0.8*				
Area viga[m2] =	*0.1999*	perd,inst =	*0.93*	Ec, viga [MPa] =	31928
Iy, viga [m4] =	*0.018097*	perdi_dif =	*0.87*	Ec,losa [MPa] =	27264
y,cdg, viga [m] =	*0.419*			n =	0.85
Wsup [m3] =	0.0475				
W inf [m3] =	0.0432				
Ancho losa [m] =	*2.3*				
espesor Losa [m]	*0.2*				
Area V+L [m2] =	0.593				
B V+L [m3] =	0.107				
y_inf =	0.820				
y_sup =	-0.180				
fibra,sup,viga =	-0.020				
Iy V+L [m4] =	0.054				
sigma_0 [MPa] =	*1425*				
Luz, viga =	*13.9*				

	Capa 1		Capa 2		Capa 3		Capa 4		Pretensado	pp. viga	pp, losa	Env. Servicio	gamma p = 1.05 Vacio		gamma p = 1.05 ELS a t=0		gamma p = 0.95 ELS a t=inf	
Sección x [m]	Area	y	Area	y	Area	y	Area	y	N,p,0 [kN]	M,p,0 [kNm]	My [kNm]	My [kNm]	My [kNm]	s_inf [MPa]	s_sup [MPa]	s_inf [MPa]	s_sup [MPa]	s_inf [MPa]	s_sup [MPa]
0	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-372.24	0.00	0.00	-26.71	-19.6	-2.4	-16.3	-16.3	-15.9	-1.2
0	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-372.24	0.00	0.00	48.95	-19.6	-2.4	-18.9	-18.9	-14.7	-1.2
1.39	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-372.24	43.45	99.99	18.23	-17.3	-3.3	-14.7	-16.8	-11.9	-4.5
1.39	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-372.24	43.45	99.99	383.73	-18.6	-3.3	-10.5	-12.5	-6.3	-4.4
1.39	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-372.24	43.45	99.99	27.13	-18.6	-3.3	-15.9	-18.0	-11.7	-4.5
2.78	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-372.24	43.45	99.99	390.18	-18.6	-3.3	-10.4	-12.4	-6.2	-4.4
2.78	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	372.24	77.25	177.75	63.93	-17.8	-4.0	-12.8	-16.5	-8.6	-7.1
2.78	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-372.24	77.25	177.75	724.04	-17.8	-4.0	-2.7	-6.2	1.4	-6.8
2.78	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-372.24	77.25	177.75	71.32	-17.8	-4.0	-12.6	-16.4	-8.5	-7.1
4.17	11.2	0.05	5.6	0.098	0	0.146	4	0.75	-2014.38	-372.24	77.25	177.75	718.62	-17.8	-4.0	-2.8	-6.3	1.4	-6.8
4.17	11.2	0.05	5.6	0.098	0	0.146	4	0.75	-2756.52	-610.46	101.38	233.30	111.21	-27.0	-3.1	-19.9	-24.8	-13.6	-7.4
4.17	11.2	0.05	5.6	0.098	0	0.146	4	0.75	-2756.52	-610.46	101.38	233.30	1058.93	-27.0	-3.1	-5.5	-10.0	0.7	-7.1
4.17	11.2	0.05	5.6	0.098	0	0.146	4	0.75	-2756.52	-610.46	101.38	233.30	116.89	-27.0	-3.1	-19.8	-24.7	-13.6	-7.4
5.56	11.2	0.05	5.6	0.098	0	0.146	4	0.75	-2756.52	-610.46	101.38	233.30	1055.67	-27.0	-3.1	-5.6	-10.1	0.7	-7.1
5.56	11.2	0.05	5.6	0.098	0	0.146	4	0.75	-2756.52	-610.46	115.87	266.63	149.8	-26.6	-3.4	-18.2	-23.7	-12.0	-8.5
5.56	11.2	0.05	5.6	0.098	0	0.146	4	0.75	-2756.52	-610.46	115.87	266.63	1213.37	-26.6	-3.4	-2.1	-7.2	4.2	-8.1
5.56	11.2	0.05	5.6	0.098	0	0.146	4	0.75	-2756.52	-610.46	115.87	266.63	153.77	-26.6	-3.4	-18.1	-23.7	-11.9	-8.5
6.95	11.2	0.05	5.6	0.098	0	0.146	4	0.75	-2756.52	-610.46	115.87	266.63	1213.68	-26.6	-3.4	-2.1	-7.2	4.2	-8.1
6.95	11.2	0.05	5.6	0.098	0	0.146	4	0.75	-2756.52	-610.46	120.70	277.74	173.37	-26.5	-3.5	-17.5	-23.2	-11.2	-8.9
6.95	11.2	0.05	5.6	0.098	0	0.146	4	0.75	-2756.52	-610.46	120.70	277.74	1186.9	-26.5	-3.5	-2.1	-7.5	4.1	-8.5
6.95	11.2	0.05	5.6	0.098	0	0.146	4	0.75	-2756.52	-610.46	120.70	277.74	176.18	-26.5	-3.5	-17.4	-23.2	-11.2	-8.9
8.34	11.2	0.05	5.6	0.098	0	0.146	4	0.75	-2756.52	-610.46	120.70	277.74	1190.38	-26.5	-3.5	-2.0	-7.4	4.2	-8.5
8.34	11.2	0.05	5.6	0.098	0	0.146	4	0.75	-2756.52	-610.46	115.87	266.63	178.55	-26.6	-3.4	-17.8	-23.3	-11.5	-8.5
8.34	11.2	0.05	5.6	0.098	0	0.146	4	0.75	-2756.52	-610.46	115.87	266.63	1101.68	-26.6	-3.4	-3.8	-9.0	2.5	-8.2
8.34	11.2	0.05	5.6	0.098	0	0.146	4	0.75	-2756.52	-610.46	115.87	266.63	173.38	-26.6	-3.4	-17.8	-23.4	-11.6	-8.5
9.73	11.2	0.05	5.6	0.098	0	0.146	4	0.75	-2756.52	-610.46	115.87	266.63	1097.25	-26.6	-3.4	-3.8	-9.0	2.4	-8.2
9.73	11.2	0.05	5.6	0.098	0	0.146	4	0.75	-2756.52	-610.46	101.38	233.30	160.23	-27.0	-3.1	-19.1	-24.0	-12.9	-7.4
9.73	11.2	0.05	5.6	0.098	0	0.146	4	0.75	-2756.52	-610.46	101.38	233.30	1055.39	-27.0	-3.1	-5.6	-10.1	0.7	-7.1
9.73	11.2	0.05	5.6	0.098	0	0.146	4	0.75	-2756.52	-610.46	101.38	233.30	151.21	-27.0	-3.1	-19.3	-24.1	-13.0	-7.4
11.12	11.2	0.05	0	0.098	0	0.146	4	0.75	-2756.52	-610.46	101.38	233.30	1053.74	-27.0	-3.1	-5.6	-10.1	0.7	-7.1
11.12	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-372.24	77.25	177.75	111.33	-17.8	-4.0	-12.0	-15.7	-7.9	-7.1
11.12	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-372.24	77.25	177.75	829.13	-17.8	-4.0	-1.1	-4.6	3.0	-6.8
11.12	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	372.24	77.25	177.75	109.55	-17.8	-4.0	-12.1	-15.8	-7.9	-7.1
12.51	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-372.24	77.25	177.75	830.83	-17.8	-4.0	-1.1	-4.6	3.1	-6.8
12.51	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-372.24	43.45	99.99	42.27	-18.6	-3.3	-15.7	-17.8	-11.5	-4.5
12.51	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-372.24	43.45	99.99	425.43	-18.6	-3.3	-9.9	-11.8	-5.7	-4.4
12.51	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-372.24	43.45	99.99	39.77	-18.6	-3.3	-15.7	-17.8	-11.5	-4.5
12.51	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-372.24	43.45	99.99	428.72	-18.6	-3.3	-9.8	-11.8	-5.6	-4.4

13.9	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-372.24	0.00	0.00	-43.46	-19.6	-2.4	-20.3	-20.3	-16.1	-1.2
13.9	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-372.24	0.00	0.00	29.33	-19.6	-2.4	-19.2	-19.2	-15.0	-1.2
													Max compr:	-27.0			Max trac:	4.2	

OBRA: OC-04-00 : ACCESOS A ZARAGOZA
PASO SUPERIOR CAMINO DE SAN ANTÓN

Cortante en Viga

fck [MPa] =	**25**	psi =	1.459
d [m] =	**0.95**	alfa,ras =	**0.438**
b0 [m] =	**0.1**		

Barra		Vd [kNm/m]	N [kNm/m]	rho,l	Vcu [kN]	A,alfa [cm2/m]	Rasante,inf	A,alfa,inf [cm2/m]
2201	**0**	**92.52**	-1753	0.020	93.19	0.83	40.48	1.18
2201	**0**	**510.2**	-1753	0.020	93.19	12.19	223.21	6.53
2201	**1.39**	**85.57**	-1753	0.020	93.19	0.83	37.44	1.09
2201	**1.39**	**500.81**	-1753	0.020	93.19	11.92	219.10	6.41
2202	**1.39**	**90.92**	-1753	0.020	93.19	0.83	39.78	1.16
2202	**1.39**	**468.86**	-1753	0.020	93.19	10.98	205.13	6.00
2202	**2.78**	**83.97**	-1753	0.020	93.19	0.83	36.74	1.07
2202	**2.78**	**459.48**	-1753	0.020	93.19	10.71	201.02	5.88
2203	**2.78**	**-24.04**	-1753	0.020	93.19	0.83	10.52	0.31
2203	**2.78**	**437.27**	-1753	0.020	93.19	10.06	191.31	5.59
2203	**4.17**	**-30.99**	-2398	0.020	108.71	0.83	13.56	0.40
2203	**4.17**	**427.89**	-2398	0.020	108.71	9.33	187.20	5.47
2204	**4.17**	**-15.85**	-2398	0.020	108.71	0.83	6.93	0.20
2204	**4.17**	**219.3**	-2398	0.020	108.71	3.23	95.94	2.81
2204	**5.56**	**-22.8**	-2398	0.020	108.71	0.83	9.98	0.29
2204	**5.56**	**209.91**	-2398	0.020	108.71	2.96	91.84	2.69
2205	**5.56**	**-33.02**	-2398	0.020	108.71	0.83	14.45	0.42
2205	**5.56**	**179.41**	-2398	0.020	108.71	2.07	78.49	2.30
2205	**6.95**	**-39.97**	-2398	0.020	108.71	0.83	17.49	0.51
2205	**6.95**	**170.03**	-2398	0.020	108.71	1.79	74.39	2.18
2206	**6.95**	**-237.76**	-2398	0.020	108.71	3.77	104.02	3.04
2206	**6.95**	**162.7**	-2398	0.020	108.71	1.58	71.18	2.08
2206	**8.34**	**-247.14**	-2398	0.020	108.71	4.05	108.12	3.16
2206	**8.34**	**155.75**	-2398	0.020	108.71	1.38	68.14	1.99
2207	**8.34**	**-271.81**	-2398	0.020	108.71	4.77	118.92	3.48
2207	**8.34**	**-23.8**	-2398	0.020	108.71	0.83	10.41	0.30
2207	**9.73**	**-281.19**	-2398	0.020	108.71	5.04	123.02	3.60
2207	**9.73**	**-30.75**	-2398	0.020	108.71	0.83	13.45	0.39
2208	**9.73**	**-312.01**	-2398	0.020	108.71	5.94	136.50	3.99
2208	**9.73**	**-35.63**	-2398	0.020	108.71	0.83	15.59	0.46
2208	**11.12**	**-321.4**	-1753	0.020	93.19	6.67	140.61	4.11
2208	**11.12**	**-42.58**	-1753	0.020	93.19	0.83	18.63	0.54
2209	**11.12**	**-525.77**	-1753	0.020	93.19	12.65	230.02	6.73
2209	**11.12**	**-29.73**	-1753	0.020	93.19	0.83	13.01	0.38

2209	**12.51**	**-535.16**	-1753	0.020	93.19	12.92	234.13	6.85
2209	**12.51**	**-36.68**	-1753	0.020	93.19	0.83	16.05	0.47
2210	**12.51**	**-552.68**	-1753	0.020	93.19	13.44	241.80	7.07
2210	**12.51**	**-143.69**	-1753	0.020	93.19	1.48	62.86	1.84
2210	**13.9**	**-562.07**	-1753	0.020	93.19	13.71	245.91	7.19
2210	**13.9**	**-150.64**	-1753	0.020	93.19	1.68	65.91	1.93

OBRA: OC-04-00 : ACCESOS A ZARAGOZA
PASO SUPERIOR CAMINO DE SAN ANTÓN

fck, viga [MPa] =	*45*				
fck, losa [MPa] =	*25*				
Canto Viga [m] =	*0.8*				
Area viga[m2] =	*0.226825*	perd,inst =	*0.93*	Ec, viga [MPa] =	31928
Iy, viga [m4] =	*0.021299*	perdi_dif =	*0.87*	Ec,losa [MPa] =	27264
y,cdg, viga [m] =	*0.419*			n =	0.85
Wsup [m3] =	0.0559				
W inf [m3] =	0.0508				
Ancho losa [m] =	*1.55*				
espesor Losa [m]	*0.2*				
Area V+L [m2] =	0.492				
B V+L [m3] =	0.103				
y_inf =	0.790				
y_sup =	-0.210				
fibra,sup,viga =	0.010				
Iy V+L [m4] =	0.057				
sigma_0 [MPa] =	*1425*				
Luz, viga =	*16.4*				

Sección x [m]	Capa 1 Area	y	Capa 2 Area	y	Capa 3 Area	y	Capa 4 Area	y	Pretensado N,p,0 [kN]	M,p,0 [kNm]	pp, viga My [kNm]	pp, losa My [kNm]	Env. Servicio My [kNm]	gamma p = 1.05 Vacio s_inf [MPa]	s_sup [MPa]	gamma p = 1.05 ELS a t=0 s_inf [MPa]	s_sup [MPa]	gamma p = 0.95 ELS a t=inf s_inf [MPa]	s_sup [MPa]
0	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-372.24	0.00	0.00	**-74.27**	-17.0	-2.3	-15.5	-15.5	-14.4	-1.3
0	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-372.24	0.00	0.00	**47.12**	-17.0	-2.3	-16.4	-16.4	-12.7	-1.3
1.64	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-372.24	68.63	93.80	**105.52**	-15.2	-3.6	-11.9	-13.5	-8.7	-4.5
1.64	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-372.24	68.63	93.80	**474.07**	-15.7	-3.6	-7.2	-9.0	-3.6	-4.6
1.64	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-372.24	68.63	93.80	**99.94**	-15.7	-3.6	-12.4	-14.1	-8.8	-4.5
1.64	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-372.24	68.63	93.80	**476.59**	-15.7	-3.6	-7.2	-8.9	-3.5	-4.6
3.28	11.2	0.05	8.4	0.098	0	0.146	4	0.75	-3127.59	-729.58	122.01	166.76	**200.61**	-27.1	-3.0	-21.1	-24.1	-14.8	-5.2
3.28	11.2	0.05	8.4	0.098	0	0.146	4	0.75	-3127.59	-729.58	122.01	166.76	**894.26**	-27.1	-3.0	-11.4	-14.5	-5.1	-5.4
3.28	11.2	0.05	8.4	0.098	0	0.146	4	0.75	-3127.59	-729.58	122.01	166.76	**196.09**	-27.1	-3.0	-21.1	-24.1	-14.8	-5.2
3.28	11.2	0.05	8.4	0.098	0	0.146	4	0.75	-3127.59	-729.58	122.01	166.76	**897.08**	-27.1	-3.0	-11.4	-14.5	-5.1	-5.4
4.92	11.2	0.05	8.4	0.098	0	0.146	4	0.75	-3127.59	-729.58	160.14	218.87	**268.14**	-26.4	-3.6	-18.4	-22.3	-12.1	-7.0
4.92	11.2	0.05	8.4	0.098	0	0.146	4	0.75	-3127.59	-729.58	160.14	218.87	**1233.77**	-26.4	-3.6	-4.9	-9.0	1.4	-7.2
4.92	11.2	0.05	8.4	0.098	0	0.146	4	0.75	-3127.59	-729.58	160.14	218.87	**266.21**	-26.4	-3.6	-18.4	-22.3	-12.1	-7.0
4.92	11.2	0.05	8.4	0.098	0	0.146	4	0.75	-3127.59	-729.58	160.14	218.87	**1236.28**	-26.4	-3.6	-4.8	-9.0	1.4	-7.2
6.56	11.2	0.05	8.4	0.098	2.8	0.146	4	0.75	-3498.66	-830.88	183.02	250.13	**308.8**	-29.8	-3.9	-20.5	-25.1	-13.4	-7.8
6.56	11.2	0.05	8.4	0.098	2.8	0.146	4	0.75	-3498.66	-830.88	183.02	250.13	**1412.16**	-29.8	-3.9	-5.1	-9.8	2.0	-8.0
6.56	11.2	0.05	8.4	0.098	2.8	0.146	4	0.75	-3498.66	-830.88	183.02	250.13	**308.78**	-29.8	-3.9	-20.5	-25.1	-13.4	-7.8
6.56	11.2	0.05	8.4	0.098	2.8	0.146	4	0.75	-3498.66	-830.88	183.02	250.13	**1413.8**	-29.8	-3.9	-5.1	-9.8	2.0	-8.0
8.2	11.2	0.05	8.4	0.098	2.8	0.146	4	0.75	-3498.66	-830.88	190.65	260.56	**322.03**	-29.6	-4.0	-20.0	-24.7	-12.9	-8.2
8.2	11.2	0.05	8.4	0.098	2.8	0.146	4	0.75	-3498.66	-830.88	190.65	260.56	**1429.88**	-29.6	-4.0	-4.5	-9.4	2.6	-8.4
8.2	11.2	0.05	8.4	0.098	2.8	0.146	4	0.75	-3498.66	-830.88	190.65	260.56	**322.78**	-29.6	-4.0	-20.0	-24.7	-12.9	-8.2
9.84	11.2	0.05	8.4	0.098	2.8	0.146	4	0.75	-3498.66	-830.88	190.65	260.56	**1431.48**	-29.6	-4.0	-4.5	-9.4	2.6	-8.4
9.84	11.2	0.05	8.4	0.098	2.8	0.146	4	0.75	-3498.66	-830.88	183.02	250.13	**307.89**	-29.8	-3.9	-20.5	-25.1	-13.4	-7.8
9.84	11.2	0.05	8.4	0.098	2.8	0.146	4	0.75	-3498.66	-830.88	183.02	250.13	**1333.69**	-29.8	-3.9	-6.2	-10.9	0.9	-8.0
9.84	11.2	0.05	8.4	0.098	2.8	0.146	4	0.75	-3498.66	-830.88	183.02	250.13	**309.15**	-29.8	-3.9	-20.5	-25.1	-13.4	-7.8
11.48	11.2	0.05	8.4	0.098	0	0.146	4	0.75	-3127.59	-729.58	160.14	218.87	**1330.21**	-29.8	-3.9	-6.3	-11.0	0.8	-8.0
11.48	11.2	0.05	8.4	0.098	0	0.146	4	0.75	-3127.59	-729.58	160.14	218.87	**266.32**	-26.4	-3.6	-18.4	-22.3	-12.1	-7.0
11.48	11.2	0.05	8.4	0.098	0	0.146	4	0.75	-3127.59	-729.58	160.14	218.87	**1219.28**	-26.4	-3.6	-5.1	-9.2	1.2	-7.2
11.48	11.2	0.05	8.4	0.098	0	0.146	4	0.75	-3127.59	-729.58	160.14	218.87	**268.47**	-26.4	-3.6	-18.3	-22.3	-12.1	-7.0
13.12	11.2	0.05	8.4	0.098	0	0.146	4	0.75	-3127.59	-729.58	160.14	218.87	**1215.33**	-26.4	-3.6	-5.1	-9.3	1.2	-7.2
13.12	11.2	0.05	8.4	0.098	0	0.146	4	0.75	-3127.59	-729.58	122.01	166.76	**196.2**	-27.1	-3.0	-21.1	-24.1	-14.8	-5.2
13.12	11.2	0.05	8.4	0.098	0	0.146	4	0.75	-3127.59	-729.58	122.01	166.76	**943.03**	-27.1	-3.0	-10.7	-13.9	-4.4	-5.4
13.12	11.2	0.05	8.4	0.098	0	0.146	4	0.75	-3127.59	-729.58	122.01	166.76	**200.51**	-27.1	-3.0	-21.1	-24.1	-14.8	-5.2
14.76	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-372.24	68.63	93.80	**938.25**	-27.1	-3.0	-10.8	-13.9	-4.5	-5.4
14.76	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-372.24	68.63	93.80	**97.25**	-15.7	-3.6	-12.5	-14.2	-8.8	-4.5
14.76	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-372.24	68.63	93.80	**502.94**	-15.7	-3.6	-6.8	-8.6	-3.2	-4.6
14.76	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-372.24	68.63	93.80	**105.46**	-15.7	-3.6	-12.3	-14.0	-8.7	-4.5
													497.63	-15.7	-3.6	-6.9	-8.6	-3.3	-4.6

16.4	**11.2**	**0.05**	**0**	**0.098**	**0**	**0.146**	**4**	**0.75**	-2014.38	-372.24	0.00	0.00	**-55.01**	-17.0	-2.3	-17.8	-17.8	-14.2	-1.3
16.4	**11.2**	**0.05**	**0**	**0.098**	**0**	**0.146**	**4**	**0.75**	-2014.38	-372.24	0.00	0.00	**56.66**	-17.0	-2.3	-16.2	-16.2	-12.6	-1.3
													Max compr:	-29.8			Max trac:	2.6	

OBRA: OC-04-00 : ACCESOS A ZARAGOZA
PASO SUPERIOR CAMINO DE SAN ANTÓN

Cortante en Viga

fck [MPa] =	**25**	psi =	1.459
d [m] =	**0.95**	alfa,ras =	**0.438**
b0 [m] =	**0.1**		

Barra		Vd [kNm/m]	N [kNm/m]	rho,l	Vcu [kN]	A,alfa [cm2/m]	Rasante,inf	A,alfa,inf [cm2/m]
2101	**0**	**170.33**	-1753	0.020	101.86	2.00	74.52	2.18
2101	**0**	**600.72**	-1753	0.020	101.86	14.59	262.82	7.68
2101	**1.64**	**149.01**	-1753	0.020	101.86	1.38	65.19	1.91
2101	**1.64**	**563.02**	-1753	0.020	101.86	13.48	246.32	7.20
2102	**1.64**	**131.52**	-1753	0.020	101.86	0.87	57.54	1.68
2102	**1.64**	**505.04**	-1753	0.020	101.86	11.79	220.96	6.46
2102	**3.28**	**110.2**	-2721	0.020	129.94	0.83	48.21	1.41
2102	**3.28**	**467.33**	-2721	0.020	129.94	9.87	204.46	5.98
2103	**3.28**	**91.76**	-2721	0.020	129.94	0.83	40.15	1.17
2103	**3.28**	**403.9**	-2721	0.020	129.94	8.01	176.71	5.17
2103	**4.92**	**70.44**	-2721	0.020	129.94	0.83	30.82	0.90
2103	**4.92**	**366.2**	-2721	0.020	129.94	6.91	160.21	4.68
2104	**4.92**	**33**	-2721	0.020	129.94	0.83	14.44	0.42
2104	**4.92**	**253.63**	-2721	0.020	129.94	3.62	110.96	3.24
2104	**6.56**	**11.68**	-3044	0.020	139.30	0.83	5.11	0.15
2104	**6.56**	**215.93**	-3044	0.020	139.30	2.24	94.47	2.76
2105	**6.56**	**-21.03**	-3044	0.020	139.30	0.83	9.20	0.27
2105	**6.56**	**156.6**	-3044	0.020	139.30	0.83	68.51	2.00
2105	**8.2**	**-42.35**	-3044	0.020	139.30	0.83	18.53	0.54
2105	**8.2**	**118.9**	-3044	0.020	139.30	0.83	52.02	1.52
2106	**8.2**	**-133.36**	-3044	0.020	139 30	0.83	58.35	1.71
2106	**8.2**	**69**	-3044	0.020	139.30	0.83	30.19	0.88
2106	**9.84**	**-171.06**	-3044	0.020	139.30	0.93	74.84	2.19
2106	**9.84**	**47.68**	-3044	0.020	139.30	0.83	20.86	0.61
2107	**9.84**	**-234.54**	-3044	0.020	139.30	2.78	102.61	3 00
2107	**9.84**	**-19.56**	-3044	0.020	139.30	0.83	8.56	0.25
2107	**11.48**	**-272.24**	-2721	0.020	129.94	4.16	119.11	3.48
2107	**11.48**	**-40.88**	-2721	0.020	129.94	0.83	17.89	0.52
2108	**11.48**	**-331.3**	-2721	0.020	129.94	5.89	144.94	4.24
2108	**11.48**	**-68.21**	-2721	0.020	129.94	0.83	29.84	0.87
2108	**13.12**	**-369**	-2721	0.020	129.94	6.99	161.44	4.72
2108	**13.12**	**-89.53**	-2721	0.020	129.94	0.83	39.17	1.15
2109	**13.12**	**-483.31**	-2721	0.020	129.94	10.33	211.45	6.18
2109	**13.12**	**-107.95**	-2721	0.020	129.94	0.83	47.23	1.38

2109	**14.76**	**-521.01**	-1753	0.020	101.86	12.26	227.94	6.66
2109	**14.76**	**-129.27**	-1753	0.020	101.86	0.83	56.56	1.65
2110	**14.76**	**-585.03**	-1753	0.020	101.86	14.13	255.95	7.48
2110	**14.76**	**-146.48**	-1753	0.020	101.86	1.30	64.09	1.87
2110	**16.4**	**-622.73**	-1753	0.020	101.86	15.23	272.44	7.97
2110	**16.4**	**-167.8**	-1753	0.020	101.86	1.93	73.41	2.15

OBRA: OC-04-00 : ACCESOS A ZARAGOZA
PASO SUPERIOR CAMINO DE SAN ANTÓN

fck, viga [MPa] =	*45*				
fck, losa [MPa] =	*25*				
Canto Viga [m] =	*0.8*				
Area viga[m2] =	*0.226825*	perd,inst =	*0.93*	Ec, viga [MPa] =	31928
Iy, viga [m4] =	*0.021299*	perdi_dif =	*0.87*	Ec,losa [MPa] =	27264
y,cdg, viga [m] =	*0.4245*			n =	0.85
Wsup [m3] =	0.0567				
W inf [m3] =	0.0502				
Ancho losa [m] =	*2.3*				
espesor Losa [m]	*0.2*				
Area V+L [m2] =	0.620				
B V+L [m3] =	0.114				
y_inf =	0.815				
y_sup =	-0.185				
fibra,sup,viga =	-0.015				
Iy V+L [m4] =	0.060				
sigma_0 [MPa] =	*1425*				
Luz, viga =	*16.4*				

	Capa 1		Capa 2		Capa 3		Capa 4		Pretensado		pp, viga	pp, losa	Env. Servicio								
														gamma p = 1.05		gamma p = 1.05		gamma p = 0.95			
Sección x [m]	Area	y	Area	y	Area	y	Area	y	N,p,0 [kN]	M,p,0 [kNm]	My [kNm]	My [kNm]	My [kNm]	Vacio s_inf [MPa]	s_sup [MPa]	ELS a t=0 s_inf [MPa]	s_sup [MPa]	ELS a t=inf s_inf [MPa]	s_sup [MPa]		
0	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-383.32	0.00	0.00	**-29.03**	-17.3	-2.2	-14.4	-14.4	-14.0	-1.0		
0	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-383.32	0.00	0.00	**50.9**	-17.3	-2.2	-16.7	-16.6	-13.0	-1.0		
1.64	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-383.32	68.63	139.19	**44.17**	-14.6	-3.4	-11.2	-13.6	-8.9	-5.2		
1.64	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-383.32	68.63	139.19	**484.61**	-16.0	-3.4	-6.6	-9.0	-2.9	-5.0		
1.64	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-383.32	68.63	139.19	**53.81**	-16.0	-3.4	-12.5	-14.9	-8.8	-5.2		
1.64	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-383.32	68.63	139.19	**493.81**	-16.0	-3.4	-6.5	-8.8	-2.8	-5.0		
3.28	11.2	0.05	8.4	0.098	0	0.146	4	0.75	-3127.59	-746.78	122.01	247.44	**118.68**	-27.7	-2.8	-21.1	-25.5	-14.7	-6.4		
3.28	11.2	0.05	8.4	0.098	0	0.146	4	0.75	-3127.59	-746.78	122.01	247.44	**893.5**	-27.7	-2.8	-10.6	-14.7	4.2	-6.2		
3.28	11.2	0.05	8.4	0.098	0	0.146	4	0.75	-3127.59	-746.78	122.01	247.44	**126.22**	-27.7	-2.8	-21.0	-25.4	-14.6	-6.4		
4.92	11.2	0.05	8.4	0.098	0	0.146	4	0.75	-3127.59	-746.78	122.01	247.44	**886.67**	-27.7	-2.8	-10.7	-14.8	-4.3	-6.2		
4.92	11.2	0.05	8.4	0.098	0	0.146	4	0.75	-3127.59	-746.78	160.14	324.77	**189.14**	-26.9	-3.5	-17.9	-23.6	-11.5	-8.7		
4.92	11.2	0.05	8.4	0.098	0	0.146	4	0.75	-3127.59	-746.78	160.14	324.77	**1300**	-26.9	-3.5	-2.8	-8.2	3.6	-8.4		
4.92	11.2	0.05	8.4	0.098	0	0.146	4	0.75	-3127.59	-746.78	160.14	324.77	**194.49**	-26.9	-3.5	-17.8	-23.5	-11.4	-8.7		
6.56	11.2	0.05	8.4	0.098	2.8	0.146	4	0.75	-3127.59	-746.78	160.14	324.77	**1295.71**	-26.9	-3.5	-2.9	-8.2	3.6	-8.4		
6.56	11.2	0.05	8.4	0.098	2.8	0.146	4	0.75	-3498.66	-850.12	183.02	371.16	**243.04**	-30.3	-3.7	-19.6	-26.1	-12.4	-9.7		
6.56	11.2	0.05	8.4	0.098	2.8	0.146	4	0.75	-3498.66	-850.12	183.02	371.16	**1489.63**	-30.3	-3.7	-2.7	-8.9	4.5	-9.4		
6.56	11.2	0.05	8.4	0.098	2.8	0.146	4	0.75	-3498.66	-850.12	183.02	371.16	**246.48**	-30.3	-3.7	-19.6	-26.1	-12.4	-9.7		
8.2	11.2	0.05	8.4	0.098	2.8	0.146	4	0.75	-3498.66	-850.12	183.02	371.16	**1489.7**	-30.3	-3.7	-2.7	-8.9	4.5	-9.4		
8.2	11.2	0.05	8.4	0.098	2.8	0.146	4	0.75	-3498.66	-850.12	190.65	386.63	**272.65**	-30.2	-3.8	-18.8	-25.5	-11.5	-10.2		
8.2	11.2	0.05	8.4	0.098	2.8	0.146	4	0.75	-3498.66	-850.12	190.65	386.63	**1465.77**	-30.2	-3.8	-2.6	-9.0	4.6	-9.9		
8.2	11.2	0.05	8.4	0.098	2.8	0.146	4	0.75	-3498.66	-850.12	190.65	386.63	**274.81**	-30.2	-3.8	-18.8	-25.5	-11.5	-10.2		
9.84	11.2	0.05	8.4	0.098	2.8	0.146	4	0.75	-3498.66	-850.12	190.65	386.63	**1469.91**	-30.2	-3.8	-2.5	-9.0	4.7	-9.9		
9.84	11.2	0.05	8.4	0.098	2.8	0.146	4	0.75	-3498.66	-850.12	183.02	371.16	**275.05**	-30.3	-3.7	-19.2	-25.7	-12.0	-9.7		
9.84	11.2	0.05	8.4	0.098	2.8	0.146	4	0.75	-3498.66	-850.12	183.02	371.16	**1371.33**	-30.3	-3.7	-4.3	-10.5	2.9	-9.4		
9.84	11.2	0.05	8.4	0.098	2.8	0.146	4	0.75	-3498.66	-850.12	183.02	371.16	**276.26**	-30.3	-3.7	-19.2	-25.7	-12.0	-9.7		
9.84	11.2	0.05	8.4	0.098	2.8	0.146	4	0.75	-3498.66	-850.12	183.02	371.16	**1366.77**	-30.3	-3.7	-4.4	-10.6	2.8	-9.4		
11.48	11.2	0.05	8.4	0.098	0	0.146	4	0.75	-3127.59	-746.78	160.14	324.77	**242.18**	-26.9	-3.5	-17.2	-22.8	-10.7	-8.7		
11.48	11.2	0.05	8.4	0.098	0	0.146	4	0.75	-3127.59	-746.78	160.14	324.77	**1303.74**	-26.9	-3.5	-2.7	-8.1	3.7	-8.4		
11.48	11.2	0.05	8.4	0.098	0	0.146	4	0.75	-3127.59	-746.78	160.14	324.77	**242.1**	-26.9	-3.5	-17.2	-22.8	-10.7	-8.7		
11.48	11.2	0.05	8.4	0.098	0	0.146	4	0.75	-3127.59	-746.78	160.14	324.77	**1303.39**	-26.9	-3.5	-2.8	-8.1	3.7	-8.4		
13.12	11.2	0.05	8.4	0.098	0	0.146	4	0.75	-3127.59	-746.78	122.01	247.44	**174.43**	-27.7	-2.8	-20.4	-24.7	-14.0	-6.4		
13.12	11.2	0.05	8.4	0.098	0	0.146	4	0.75	-3127.59	-746.78	122.01	247.44	**1023.33**	-27.7	-2.8	-8.9	-13.0	-2.4	-6.2		
13.12	11.2	0.05	8.4	0.098	-0	0.146	4	0.75	-3127.59	-746.78	122.01	247.44	**172.66**	-27.7	-2.8	-20.4	-24.7	-14.0	-6.4		
14.76	11.2	0.05	8.4	0.098	0	0.146	4	0.75	-3127.59	-746.78	122.01	247.44	**1026.73**	-27.7	-2.8	-8.8	-12.9	-2.4	-6.2		
14.76	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-383.32	68.63	139.19	**81.85**	-16.0	-3.4	-12.1	-14.5	-8.4	-5.1		
14.76	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-383.32	68.63	139.19	**529.95**	-16.0	-3.4	-6.0	-8.3	-2.3	-5.0		
14.76	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-383.32	68.63	139.19	**79.22**	-16.0	-3.4	-12.1	-14.6	-8.4	-5.1		
14.76	11.2	0.05	0	0.098	0	0.146	4	0.75	-2014.38	-383.32	68.63	139.19	**535.83**	-16.0	-3.4	-5.9	-8.2	-2.2	-5.0		

16.4	**11.2**	**0.05**	**0**	**0.098**	**0**	**0.146**	**4**	**0.75**	-2014.38	-383.32	0.00	0.00	**-33.26**	-17.3	-2.2	-17.8	-17.8	-14.1	-1.0
16.4	**11.2**	**0.05**	**0**	**0.098**	**0**	**0.146**	**4**	**0.75**	-2014.38	-383.32	0.00	0.00	**37.32**	-17.3	-2.2	-16.8	-16.8	-13.1	-1.0
													Max compr:	-30.3			Max trac:	4.7	

OBRA: OC-04-00 : ACCESOS A ZARAGOZA
PASO SUPERIOR CAMINO DE SAN ANTÓN

Cortante en Viga

fck [MPa] =	**25**	psi =	1.459
d [m] =	**0.95**	alfa,ras =	**0.438**
b0 [m] =	**0.1**		

Barra		Vd [kNm/m]	N [kNm/m]	rho,l	Vcu [kN]	A,alfa [cm2/m]	Rasante,inf	A,alfa,inf [cm2/m]
2101	**0**	**124.26**	-1753	0.020	91.36	0.96	54.36	1.59
2101	**0**	**555.12**	-1753	0.020	91.36	13.56	242.87	7.10
2101	**1.64**	**116.06**	-1753	0.020	91.36	0.83	50.78	1.48
2101	**1.64**	**544.05**	-1753	0.020	91.36	13.24	238.02	6.96
2102	**1.64**	**119.21**	-1753	0.020	91.36	0.83	52.15	1.52
2102	**1.64**	**499.37**	-1753	0.020	91.36	11.93	218.47	6.39
2102	**3.28**	**111.01**	-2721	0.020	113.63	0.83	48.57	1.42
2102	**3.28**	**488.3**	-2721	0.020	113.63	10.96	213.63	6.25
2103	**3.28**	**0.3**	-2721	0.020	113.63	0.83	0.13	0.00
2103	**3.28**	**459.4**	-2721	0.020	113.63	10.11	200.99	5.88
2103	**4.92**	**-7.9**	-2721	0.020	113.63	0.83	3.46	0 10
2103	**4.92**	**448.33**	-2721	0.020	113.63	9.79	196.14	5.74
2104	**4.92**	**2.98**	-2721	0.020	113.63	0.83	1.30	0.04
2104	**4.92**	**230.49**	-2721	0.020	113.63	3.42	100.84	2.95
2104	**6.56**	**-5.21**	-3044	0.020	121.06	0.83	2.28	0.07
2104	**6.56**	**219.42**	-3044	0.020	121.06	2.88	96.00	2.81
2105	**6.56**	**-25.84**	-3044	0.020	121.06	0.83	11.31	0.33
2105	**6.56**	**177.37**	-3044	0.020	121.06	1.65	77.60	2.27
2105	**8.2**	**-34.03**	-3044	0.020	121.06	0.83	14.89	0.44
2105	**8.2**	**166.3**	-3044	0.020	121.06	1.32	72.76	2.13
2106	**8.2**	**-234.03**	-3044	0.020	121.06	3.30	102.39	2.99
2106	**8.2**	**156.06**	-3044	0.020	121.06	1.02	68.28	2.00
2106	**9.84**	**-245.1**	-3044	0.020	121.06	3.63	107.23	3.14
2106	**9.84**	**147.86**	-3044	0.020	121.06	0.83	64.69	1.89
2107	**9.84**	**-275.75**	-3044	0.020	121.06	4.52	120.64	3.53
2107	**9.84**	**-32.57**	-3044	0.020	121 06	0.83	14.25	0.42
2107	**11.48**	**-286.82**	-2721	0.020	113.63	5.06	125.48	3.67
2107	**11.48**	**-40.77**	-2721	0.020	113.63	0.83	17.84	0.52
2108	**11.48**	**-327.74**	-2721	0.020	113.63	6.26	143.39	4.19
2108	**11.48**	**-57.04**	-2721	0.020	113.63	0.83	24.96	0.73
2108	**13.12**	**-338.81**	-2721	0.020	113.63	6.58	148.23	4.33
2108	**13.12**	**-65.24**	-2721	0.020	113.63	0.83	28.54	0.83
2109	**13.12**	**-554.2**	-2721	0.020	113.63	12.88	242.46	7.09
2109	**13.12**	**-56.41**	-2721	0.020	113.63	0.83	24.68	0.72

2109	**14.76**	**-565.27**	-1753	0.020	91.36	13.86	247.31	7.23
2109	**14.76**	**-64.61**	-1753	0.020	91.36	0.83	28.27	0.83
2110	**14.76**	**-594**	-1753	0.020	91.36	14.70	259.88	7.60
2110	**14.76**	**-168.38**	-1753	0.020	91.36	2.25	73.67	2.15
2110	**16.4**	**-605.07**	-1753	0.020	91.36	15.02	264.72	7.74
2110	**16.4**	**-176.57**	-1753	0.020	91.36	2.49	77.25	2.26

6.3 Resultados del Modelo Tridimensional - Losa

A continuación se incluyen los resultados del análisis con el modelo tridimensional de barras relativos a los esfuerzos en la losa (flexión transversal).

Igualmente, se incluye el dimensionamiento de la armadura necesaria en la losa, así como la comprobación a cortante, de acuerdo con la Instrucción EHE. Para el dimensionamiento y la comprobación se utiliza una hoja de cálculo de Excel 97.

```
.ID Envolv.    EJ
.SK 4
.TP 20
ENVOLVENTE:              EJ    'Env. ELU dim Losa'              Ejec.  "LOSA"
```

Grupo	Espe.	Hip¢tesis	Factor	Etapa	T¡tulo
A	PERM.	1	1.000		Peso propio vigas
	Y	2	1.000		Peso propio losa
	Y	3	1.000		carga muerta
B	O	1	1.350		Peso propio vigas
	Y	2	1.350		Peso propio losa
	Y	3	2.030		carga muerta
C	MAS	4	1.500		sc repartida mitad d vano1
D	MAS	5	1.500		sobrecarga vano 1 i
E	MAS	27	1.500		sc repartida mitad d vano2
F	MAS	28	1.500		sobrecarga vano 2 i
G	MAS	29	1.500		sc repartida mitad d vano3
H	MAS	30	1.500		sobrecarga vano 3 i
I	MAS	31	1.500		sc repartida mitad d vano4
J	MAS	32	1.500		sobrecarga vano 4 i
K	MAS	33	1.500		sc repartida mitad d vano5
L	MAS	34	1.500		sobrecarga vano 5 i
M	MAS	6	1.500		Veh¡culo pesado 1 vano 1
N	O	7	1.500		Veh¡culo pesado 2 vano 1
O	O	8	1.500		Veh¡culo pesado 3 vano 1
P	O	9	1.500		Veh¡culo pesado 4 vano 1
Q	O	10	1.500		Veh¡culo pesado 5 vano 1
R	O	11	1.500		Veh¡culo pesado 6 vano 1
S	O	12	1.500		Veh¡culo pesado 7 vano 1
T	O	13	1.500		Veh¡culo pesado 8 vano 1
U	O	14	1.500		Veh¡culo pesado 1 vano 2
V	O	15	1.500		Veh¡culo pesado 2 vano 2
W	O	16	1.500		Veh¡culo pesado 3 vano 2
X	O	17	1.500		Veh¡culo pesado 4 vano 2
Y	O	18	1.500		Veh¡culo pesado 5 vano 2
Z	O	19	1.500		Veh¡culo pesado 6 vano 2
AA	O	20	1.500		Veh¡culo pesado 7 vano 1
AB	O	21	1.500		Veh¡culo pesado 8 vano 2
AC	O	35	1.500		Veh¡culo pesado 1 vano 3
AD	O	36	1.500		Veh¡culo pesado 2 vano 3
AE	O	37	1.500		Veh¡culo pesado 3 vano 3
AF	O	38	1.500		Veh¡culo pesado 4 vano 3
AG	O	39	1.500		Veh¡culo pesado 5 vano 2
AH	O	40	1.500		Veh¡culo pesado 6 vano 3
AI	O	41	1.500		Veh¡culo pesado 7 vano 3
AJ	O	42	1.500		Veh¡culo pesado 8 vano 3
AK	O	43	1.500		Veh¡culo pesado 1 vano 4
AL	O	44	1.500		Veh¡culo pesado 2 vano 4
AM	O	45	1.500		Veh¡culo pesado 3 vano 4
AN	O	46	1.500		Veh¡culo pesado 4 vano 4
AO	O	47	1.500		Veh¡culo pesado 5 vano 4
AP	O	48	1.500		Veh¡culo pesado 6 vano 4
AQ	O	49	1.500		Veh¡culo pesado 7 vano 4
AR	O	50	1.500		Veh¡culo pesado 8 vano 4
AS	O	51	1.500		Veh¡culo pesado 1 vano 5
AT	O	52	1.500		Veh¡culo pesado 2 vano 5

AU	O	53	1.500	Veh¡culo pesado 3 vano 5
AV	O	54	1.500	Veh¡culo pesado 4 vano 5
AW	O	55	1.500	Veh¡culo pesado 5 vano 5
AX	O	56	1.500	Veh¡culo pesado 6 vano 5
AY	O	57	1.500	Veh¡culo pesado 7 vano 5
AZ	O	58	1.500	Veh¡culo pesado 8 vano 5
BA	MAS	23	0.900000	gradiente t,rmico 14 c
BB	MAS	24	0.450000	Viento transversal

.ID GWS3MY,STATIK2,1.58
.UN M,KN
.EL !LLOSA.001
.SK 3
.TP 12
.TK 6
ENVOLVENTE para < My > (y valores concomitantes)
(1. l¡nea: MIN., 2. l¡nea: MAX.)

Barra	Distancia [m]	N [kN]	Vy [kN]	Vz [kN]	Mx [kNm]	My [kNm]	Mz [kNm]
21101	0	-0.370290	-0.223406	15.385	0.500899	0.644350	0.286779
		0.214211	2.036	4.715	14.913	14.867	-2.616
21101	1.150	-0.174750	-0.101126	-15.139	5.772	-4.495	0.014415
		0.071441	1.998	-101.430	6.349	56.829	-0.259608
21101	2.300	0.071441	1.998	-130.431	6.349	-76.486	2.038
		-0.312916	-0.207453	-15.566	0.721530	-6.512	-0.214126
21111	0	-0.036849	-0.181536	81.286	3.243	-3.184	0.230981
		-2.288	2.280	22.699	7.322	3.568	-2.786
21111	1.150	-0.017438	-0.049560	-10.712	6.274	-4.545	0.006426
		-2.257	2.239	-89.638	4.400	60.568	-0.158996
21111	2.300	-2.233	2.319	-119.076	5.503	-60.142	2.504
		-0.091069	-0.220411	-9.682	5.062	9.538	-0.232237
21121	0	0.038835	-0.161387	98.440	3.344	-12.470	0.189687
		-3.224	1.835	18.998	4.338	7.299	-2.141
21121	1.150	0.018789	-0.043323	-8.594	4.597	-3.332	0.001851
		-3.181	1.804	-79.825	2.513	62.567	-0.034074
21121	2.300	0.081192	-0.065510	-101.140	2.521	-48.653	-0.072621
		-3.217	1.740	-14.166	5.161	23.435	1.971
21131	0	0.131130	-0.212357	111.220	3.623	-14.543	0.246790
		-3.377	1.387	14.072	0.338424	7.109	-1.591
21131	1.150	0.031728	-0.051070	-4.512	7.578	-1.269	-9.11E-05
		-3.299	1.212	-66.745	3.039	75.629	0.009467
21131	2.300	0.116388	-0.118682	-89.318	3.087	-23.347	-0.133674
		-3.373	1.183	-11.479	3.054	22.272	1.367
21141	0	0.143530	-0.188356	111.103	0.777909	-10.021	0.215512
		-3.342	0.744368	23.646	2.224	1.024	-0.847994
21141	1.150	0.031937	-0.047697	-4.250	3.264	-1.952	-3.75E-06
		-3.244	0.701299	-66.664	0.509670	80.302	0.006850
21141	2.300	0.128419	-0.093026	-89.991	0.560448	-20.298	-0.107577
		-3.327	0.649038	-8.003	2.442	31.068	0.753871
21151	0	0.129064	-0.169470	113.792	-2.068	-14.798	0.191231
		-3.301	0.199443	22.855	1.420	6.649	-0.226792
21151	1.150	0.040236	-0.109364	-3.236	-1.311	-0.618960	0.000333
		-3.235	0.239833	-63.900	-1.952	78.731	-0.002633
21151	2.300	0.114101	-0.070076	-87.471	-1.957	-19.256	-0.083736
		-3.286	0.100049	-8.625	1.309	35.239	0.117109
21161	0	0.125372	-0.243040	111.289	-1.290	-15.067	0.282135
		-3.292	-0.289546	23.619	-3.193	6.766	0.327133
21161	1.150	0.058468	-0.126875	-4.655	-2.715	-1.721	-0.000182
		-3.238	-0.394223	-66.444	-0.817887	75.525	-1.80E-05
21161	2.300	0.114098	-0.203970	-89.765	-0.883027	-24.806	-0.231964
		-3.281	-0.328616	-8.071	-3.599	36.636	-0.383667
21171	0	0.193118	-0.266016	106.507	-4.255	-10.491	0.316976
		-3.216	-0.898875	23.011	-3.931	0.917081	1.048
21171	1.150	0.043693	-0.134737	-6.394	-6.779	-3.671	-0.007086
		-3.093	-1.011	-71.382	-3.461	74.383	0.024558
21171	2.300	0.164417	-0.214487	-93.977	-3.534	-29.927	-0.239441
		-3.187	-0.950404	-9.248	-4.652	28.089	-1.074
21181	0	0.436357	-0.340128	104.632	-7.124	-15.706	0.430439
		-2.685	-1.626	8.825	-1.887	4.819	1.961
21181	1.150	-0.091467	-0.120870	-7.081	-10.362	-3.512	-0.026795
		-2.348	-1.702	-73.518	-6.074	66.666	0.123971
21181	2.300	0.321857	-0.260663	-94.989	-6.122	-37.408	-0.274827
		-2.535	-1.616	-14.338	-5.223	14.987	-1.749
21191	0	0.461775	-0.406513	96.982	-5.367	-25.447	0.491180
		-0.634144	-2.075	12.445	-6.435	5.005	2.606
21191	1.150	-0.459114	0.046361	-8.907	-4.166	-2.683	-0.031573
		-0.804363	-2.183	-81.516	-4.153	47.722	0.209806

21191	2.300	0.491641	-0.435160	-111.021	-5.363	-64.092	-0.475861
		-0.664010	-2.047	-12.295	-6.438	5.179	-2.135
.							
.							
21201	0	-0.155162	-0.220628	161.498	-7.004	-77.107	0.267243
		-0.421606	2.531	7.053	8.937	2.134	-3.023
.							
21201	1.150	-0.529185	2.317	-1.453	2.224	1.325	-0.102267
		-0.087818	-0.129335	60.512	1.762	54.939	0.007362
.							
21201	2.300	-0.450613	2.524	-114.484	5.815	-68.285	2.793
		-0.190451	-0.265890	-11.643	-10.933	4.389	-0.290554
.							
.							
21211	0	-0.032756	-0.161076	148.631	-3.838	-59.742	0.192876
		-1.343	2.866	5.471	-8.784	8.958	-3.371
.							
21211	1.150	-1.332	2.729	0.031547	2.054	1.209	-0.076260
		-0.024330	-0.111855	64.076	1.254	59.218	0.004718
.							
21211	2.300	-1.315	2.949	-115.141	3.435	-57.635	3.312
		-0.007377	-0.112772	-6.944	6.324	10.321	-0.127073
.							
.							
21221	0	0.015435	-0.113513	133.590	-0.617972	-49.752	0.133648
		-1.802	2.578	4.951	-8.822	25.112	-3.005
.							
21221	1.150	-0.002784	-0.319911	0.419349	1.669	1.040	0.003216
		-1.808	2.677	67.240	0.171163	62.531	-0.044219
21221	2.300	0.007652	-0.040502	-111.021	1.942	-50.008	-0.044646
		-1.806	2.638	-3.258	5.444	22.852	2.988
.							
.							
21231	0	0.019392	-0.087958	98.858	4.778	-31.590	0.101807
		-2.008	1.914	7.485	-5.619	22.402	-2.217
.							
21231	1.150	0.004529	-0.319831	0.639030	1.136	0.861706	0.001229
		-2.004	2.064	75.610	2.581	78.432	-0.018502
.							
21231	2.300	0.055209	-0.173351	-81.374	-4.916	-36.285	-0.195897
		-2.014	2.059	-5.449	3.331	18.673	2.349
.							
.							
21241	0	0.022613	-0.071657	99.296	1.785	-28.529	0.082824
		-2.041	1.170	2.475	-4.445	31.407	-1.349
.							
21241	1.150	-0.002011	-0.307738	0.811976	0.485763	0.676263	1.32E-05
		-2.046	1.324	75.180	0.641805	82.866	-0.005694
.							
21241	2.300	0.071439	-0.141366	-83.916	-1.752	-36.441	-0.161108
		-2.056	1.310	-2.706	2.746	25.839	1.501
.							
.							
21251	0	0.026651	-0.054265	100.336	-1.270	-30.180	0.062835
		-2.006	0.395295	-0.825645	-2.571	37.214	-0.450904
.							
21251	1.150	-0.020422	-0.290464	0.946121	-0.215842	0.472751	-0.001555
		-2.025	0.549015	75.939	-1.285	82.702	0.000975

.							
21251	2.300	0.076095	-0.148931	-85.832	1.378	-36.663	-0.170327
		-2.031	0.566549	0.336466	1.692	30.397	0.653027
.							
.							
21261	0	0.070661	-0.157819	99.199	-0.834514	-32.684	0.184680
		-1.932	-0.161671	-1.443	4.422	38.717	0.197477
.							
21261	1.150	-0.054721	-0.272476	1.059	-0.902211	0.250465	-0.003012
		-1.924	-0.220040	75.072	0.301500	78.568	0.013531
.							
21261	2.300	0.108289	-0.161895	-81.425	-0.306795	-36.732	-0.179700
		-1.981	-0.230136	-0.739540	-3.042	32.883	-0.255005
.							
.							
21271	0	0.112950	-0.167923	97.594	-3.746	-32.438	0.198658
		-1.719	-0.810968	3.666	6.297	28.629	0.966937
.							
21271	1.150	-0.082224	-0.261056	1.184	-1.510	0.030672	0.001962
		-1.682	-0.901838	74.317	-1.566	76.099	0.038417
.							
21271	2.300	0.179420	-0.126313	-79.110	2.866	-36.123	-0.136751
		-1.798	-0.909521	-2.195	-4.091	25.862	-1.016
.							
.							
21281	0	0.231623	-0.226017	125.969	4.724	-37.068	0.266506
		-1.268	-1.232	10.386	7.451	15.584	1.475
.							
21281	1.150	0.007710	-0.256662	1.335	-1.986	-0.125536	0.024871
		-1.157	-1.377	74.423	-3.391	69.388	0.070029
21281	2.300	-1.284	-1.435	-74.117	6.023	-34.972	-1.597
		0.160706	-0.030658	-5.190	-4.642	16.238	-0.026254
.							
.							
21291	0	0.403529	-0.443759	148.953	0.858647	-64.179	0.526765
		-0.741612	-1.318	5.067	8.533	8.055	1.556
.							
21291	1.150	0.464017	-0.288019	1.450	-2.311	-0.058083	0.050771
		-0.686768	-1.260	67.726	0.627734	53.283	0.054389
.							
21291	2.300	-0.862249	-1.213	-110.971	-1.496	-58.742	-1.340
		0.444790	-0.214137	-6.955	-6.311	9.703	-0.237207
.							
.							
21301	0	0.088665	-0.193485	136.666	-6.563	-68.991	0.213677
		-1.401	2.491	17.901	1.716	-3.897	-2.780
.							
21301	1.150	0.035727	-0.133096	9.311	-5.702	-2.973	-0.004527
		-1.346	2.411	-38.330	-2.510	34.741	0.078838
.							
21301	2.300	-1.374	2.477	-67.363	-2.459	-26.049	2.930
		0.089646	-0.179466	-6.021	-10.466	2.989	-0.215138
.							
.							
21311	0	0.020525	-0.131086	136.322	-4.061	-57.654	0.145975
		-0.816900	2.929	5.725	-7.788	10.342	-3.318
.							
21311	1.150	0.001756	-0.117232	5.842	-5.238	-4.727	-0.001641

		-0.811342	2.889	-42.896	-1.880	38.556	0.048273
.							
21311	2.300	-0.819386	2.900	-71.682	-4.030	-28.321	3.384
		0.024922	-0.104514	-15.031	-4.611	-3.091	-0.124254
.							
.							
21321	0	-0.570402	2.595	132.506	-2.285	-50.683	-2.962
		0.000717	-0.010692	-0.141363	-6.690	24.189	0.011163
.							
21321	1.150	-0.564571	2.562	-1.768	-8.515	-7.254	0.025158
		-0.009272	-0.087920	-45.756	-0.513923	41.561	-0.002860
.							
21321	2.300	-0.570091	2.652	-67.528	-3.604	-31.051	3.073
		0.000886	-0.069526	-25.942	-3.141	-0.975750	-0.082462
.							
.							
21331	0	-0.499370	1.947	32.381	-4.869	-26.264	-2.230
		-0.002686	-0.037024	3.553	-4.093	18.821	0.042311
.							
21331	1.150	-0.485102	1.983	1.135	-5.964	-12.349	0.009082
		-0.017740	-0.072631	-56.231	-3.420	55.305	-0.001097
.							
21331	2.300	-0.501581	2.077	-79.480	-5.617	-32.433	2.397
		-0.008491	-0.057672	-28.283	-3.154	1.515	-0.067057
.							
.							
21341	0	-0.502621	1.232	32.690	-2.155	-28.006	-1.414
		0.003421	-0.020905	0.036640	-3.352	26.232	0.024698
.							
21341	1.150	-0.486070	1.260	0.818926	-2.757	-14.244	0.003401
		-0.016922	-0.050065	-56.977	-0.932409	59.221	9.96E-05
.							
21341	2.300	-0.510994	1.355	-81.093	-2.076	-31.240	1.561
		-0.003525	-0.039033	-31.297	-2.854	2.065	-0.044284
.							
.							
21351	0	-0.520322	0.526608	33.497	0.731153	-26.271	-0.603234
		0.031775	-0.043648	-4.391	-2.037	31.820	0.052331
.							
21351	1.150	-0.494466	0.500997	-0.388604	0.630103	-13.761	0.001997
		-0.005504	-0.023084	-56.967	1.548	59.130	0.001435
.							
21351	2.300	-0.521207	0.595538	-81.364	1.533	-31.936	0.686956
		0.015600	-0.015779	-33.722	-1.983	2.055	-0.015744
.							
.							
21361	0	-0.502452	-0.317777	32.567	1.546	-26.606	0.364865
		0.024504	0.015025	-3.513	3.733	34.310	-0.015074
.							
21361	1.150	-0.503761	-0.309862	0.836013	1.999	-12.771	-0.002944
		0.053062	0.016561	-55.698	-0.227783	55.446	0.006711
.							
21361	2.300	-0.483876	-0.024017	-79.825	0.908234	-33.526	-0.025470
		0.018061	-0.101792	-34.860	3.272	1.891	-0.114330
.							
.							
21371	0	-0.556408	-0.941872	33.279	4.015	-28.175	1.069
		0.064884	0.040063	-0.476942	5.044	26.255	-0.040351
.							
21371	1.150	-0.594392	-0.940767	2.311	4.977	-12.808	-0.019764
		0.160415	0.055230	-55.495	2.173	53.136	0.014934
.							
21371	2.300	-0.492794	-0.645919	-78.773	4.354	-33.757	-0.749197
		0.026755	-0.106420	-22.054	0.718099	-0.175752	-0.117143
.							
.							
21381	0	0.200492	0.125775	123.922	6.267	-35.262	-0.132806
		-0.639387	-1.225	3.481	5.747	16.388	1.387
.							
21381	1.150	-0.881495	-1.360	2.570	7.550	-10.307	-0.042176
		0.360928	0.098326	-54.208	4.507	47.175	0.024015
.							
21381	2.300	-0.599302	-1.043	-76.164	7.566	-35.311	-1.218
		0.160407	-0.055958	-29.176	4.448	-3.191	-0.055329
.							
.							
21391	0	0.180659	-0.061178	134.427	1.735	-60.670	0.080830
		-0.671306	-1.029	4.586	7.762	10.991	1.163
.							
21391	1.150	-1.154	-1.336	-0.827829	9.277	-4.350	-0.023898
		0.346815	-0.018743	-44.270	-0.388702	33.328	0.010912
.							
21391	2.300	-0.823587	-1.056	-73.642	1.779	-35.805	-1.231
		-0.160345	-0.442122	-8.842	1.027	-4.560	-0.510867
.							
.							
21401	0	0.259516	-0.125351	46.845	-7.344	-33.660	0.121473
		-1.814	1.857	15.185	-1.818	-4.945	-1.952
.							
21401	1.150	-1.821	1.870	12.571	-5.174	-2.355	0.184443
		0.266219	-0.138639	8.087	-3.988	11.294	-0.023244
.							
21401	2.300	-1.770	1.846	-15.230	-0.687139	0.839965	2.303
		0.217764	-0.106868	-5.484	-14.027	13.624	-0.142350
.							
.							
21411	0	0.050160	-0.156266	40.695	-6.730	-26.169	0.163566
		-0.033179	2.276	14.594	-8.387	-4.298	-2.490
.							
21411	1.150	-0.015399	2.190	9.272	-5.790	-2.949	0.124974
		0.032380	-0.071156	4.645	-9.327	12.274	-0.014261
.							
21411	2.300	-0.031882	2.237	-16.538	-1.514	-0.008066	2.697
		0.047582	-0.136649	-17.787	-10.646	1.028	-0.170960
.							
.							
21421	0	0.705576	1.803	29.399	-4.165	-22.105	-2.052
		-0.030480	-0.036414	20.424	-8.319	0.153381	0.038800
.							
21421	1.150	0.721729	1.817	7.875	-4.376	-2.485	0.023186
		-0.046633	-0.050510	0.576712	-8.108	14.021	-0.004069
.							
21421	2.300	0.695771	1.898	-26.086	-10.832	-3.768	2.205
		-0.022159	-0.275419	-10.792	-0.833628	-0.297839	-0.320193
.							
.							
21431	0	0.803504	1.327	27.335	-6.889	-19.834	-1.534
		-0.040952	-0.021941	18.298	-6.390	3.580	0.024911

```
.
21431   1.150  0.823520     1.337     5.839    -7.094    -2.620 -0.008604
              -0.060967 -0.031649    -1.578    -6.185    15.054 -0.000295
.
21431   2.300  0.792167     1.418   -29.542    -6.769    -3.694     1.621
              -0.038575 -0.273100   -11.177 -0.547808 -0.457354 -0.313089
.
.
21441       0  0.763006  0.814052    27.365    -2.945   -20.740 -0.943740
              -0.037209 -0.005945    17.469    -3.837     4.405  0.007212
.
21441   1.150  0.782343  0.820224     5.867    -3.143    -3.484 -0.007764
              -0.058907 -0.035715 -0.060400 -0.655033    15.184  0.000509
.
21441   2.300  0.751957  0.913262   -30.172    -3.908    -4.839     1.042
              -0.037723 -0.275608   -11.371 -0.209543 -0.535445 -0.315666
.
.
21451       0  0.750148  0.205463    28.465  0.383855   -21.251 -0.235822
              -0.040274 -0.012611    19.061  0.944932     2.601  0.014606
.
21451   1.150  0.772161  0.272451     6.927  0.228462    -2.673  0.000275
              -0.080835 -0.128120  0.246684  0.499118    15.122 -0.000821
.
21451   2.300  0.737747  0.395598   -29.260 -0.458753    -5.720  0.454862
              -0.040503 -0.281419   -11.387  0.155617 -0.573509 -0.322968
.
.
21461       0  0.762619 -0.266999    28.834     2.098   -21.945  0.311474
              -0.042550 -0.062651    19.248     2.443     2.449  0.073040
.
21461   1.150  0.788648 -0.169429     5.987     2.856    -3.062  0.005112
              -0.060663 -0.060911 -0.508233     2.634    14.835  0.001054
.
21461   2.300  0.742448 -0.141077   -29.331     5.535    -6.031 -0.157847
              -0.050336 -0.292238   -11.223  0.525077 -0.592150 -0.335889
.
.
21471       0  0.736020 -0.694143    29.167     6.739   -24.225  0.790882
              -0.002257  0.009350    18.604     8.026     1.688 -0.004433
.
21471   1.150  0.753427 -0.702170     7.436     6.544    -4.526 -0.007501
              -0.032348 -0.023941  0.567474     3.948    13.780  0.006660
.
21471   2.300  0.720846 -0.660699   -28.926     9.016    -5.025 -0.762356
              -0.060762 -0.307385   -10.889  0.874718 -0.628718 -0.352109
.
.
21481       0  0.359511    -1.197    29.462     9.947   -24.328     1.313
               0.125459  0.087393    20.475    10.400    -1.710 -0.079326
.
21481   1.150  0.371167    -1.216     7.619     9.743    -3.974 -0.065296
               0.101916  0.052067     2.263     4.990    11.656  0.023594
.
21481   2.300  0.455396    -1.136   -27.205    11.654    -4.271    -1.350
              -0.041858 -0.315713   -10.447     1.174 -0.822750 -0.355394
.
.
21491       0 -0.423583    -1.388    38.548     5.447   -24.349     1.490
               0.100641  0.064384    13.370    10.674    -5.092 -0.063046
.
21491   1.150 -0.789662    -1.582     7.494     4.029    -1.718 -0.134022
               0.466720  0.258198     3.053    12.092     8.193  0.038415
.
21491   2.300 -0.458225    -1.336   -23.800    13.281    -6.046    -1.647
               0.082381  0.017817    -5.380     2.815  0.026536  0.029150
.
.
21501       0  0.523645 -0.551548   114.851    -4.846   -59.832  0.559927
              -0.549256 -0.293554    11.111    -2.611    -5.176  0.332491
.
21501   1.150 -0.510495 -0.738587    -2.331    -2.279    -1.347  0.338843
               0.153243 -0.662883   -63.319    -5.515    33.627 -0.225174
.
21501   2.300  0.599989 -0.719545   -93.152    -4.845   -57.376 -0.919541
              -0.587516 -0.057276   -13.436   -13.292    -7.793 -0.068414
.
.
21601       0  0.526432    -1.432   147.141     3.587   -65.827     1.573
              -1.063     0.233154    12.855    -2.285    -6.049 -0.197198
.
21601   1.150  0.433051  0.156811     1.347 -0.179930  0.760538 -0.095645
              -0.585505 -0.454505    76.080    -1.830    47.253 -0.090663
.
21601   2.300 -0.720843 -0.031490  -102.920  0.403759   -54.429 -0.068591
               0.388384 -0.836598   -10.946    -2.362    -4.614    -1.053
.
.
21701       0  0.243467 -0.337755   131.296 -0.090593   -61.657  0.417708
              -0.765133 -0.014201    11.325    10.549    -4.547 -0.008457
.
21701   1.150    -1.114    -1.159 -0.862450     1.239     1.261  0.133189
               0.374571  0.089396   -47.703     2.143    27.656 -0.029075
.
21701   2.300 -0.663298  0.302321   -77.051 -0.036436   -44.476  0.343510
              -0.120343    -1.101   -12.784     2.246    -6.034    -1.135
.
.
21801       0 -0.875843  0.156666    31.261     3.248   -16.053 -0.084853
              -0.043017 -0.243163    13.344     5.696    -7.745  0.352952
.
21801   1.150    -1.138 -0.045209     1.886     1.970 -0.197887  0.170567
               0.349880 -0.129200     1.331     3.801     1.908 -0.064261
.
21801   2.300 -0.955908 -0.109057   -26.882     4.776   -13.040 -0.017629
               0.153272  0.063898   -11.201     2.628    -5.313  0.097391
.
.
22101       0     1.128 -0.434863   117.864     6.889   -61.573  0.948641
              -0.630724  0.049618    12.406     3.666    -5.720 -0.064894
.
22101   1.150  0.703613 -0.771601    -3.215     6.041    -1.435  0.269327
              -0.507102 -0.763825   -63.597     5.379    33.678 -0.977902
.
22101   2.300     1.146 -0.395955   -96.830     6.963   -59.883 -0.011972
              -0.687934 -0.287270   -14.965     9.575    -8.737 -0.355446
.
.
```

22111	0	1.464	0.452375	98.682	7.693	-18.504	-0.641821
		-2.333	2.938	4.829	7.050	-0.682703	-3.546
.							
22111	1.150	-0.053086	0.209957	-9.525	8.857	-3.987	0.028075
		-0.815436	3.181	-83.108	5.885	54.800	-0.316816
.							
22111	2.300	1.466	0.565040	-116.017	7.720	-60.944	0.527616
		-1.474	2.857	-9.777	5.675	8.365	3.028
.							
.							
22121	0	0.487416	0.390433	102.679	5.174	-15.783	-0.520009
		-3.143	2.891	22.108	4.890	5.538	-3.398
.							
22121	1.150	0.095575	0.184503	-8.769	6.575	-3.268	0.012398
		-2.965	3.032	-78.706	3.634	62.660	-0.110860
.							
22121	2.300	0.406582	0.455256	-103.019	4.251	-50.645	0.466392
		-3.062	2.826	-14.482	5.813	26.280	3.163
.							
.							
22131	0	0.206518	0.109569	115.921	4.957	-14.157	-0.132597
		-3.594	2.411	16.777	0.802439	5.357	-2.766
.							
22131	1.150	0.097163	0.096110	-3.076	10.014	0.027068	-0.001375
		-3.468	2.151	-65.157	3.837	79.969	0.010361
.							
22131	2.300	0.183988	0.187343	-90.874	4.339	-21.151	0.210892
		-3.564	1.921	-13.380	3.518	23.497	2.218
.							
.							
22141	0	0.173292	0.046203	116.685	1.650	-9.463	-0.053390
		-3.593	1.310	26.021	2.833	0.928288	-1.491
.							
22141	1.150	0.068568	0.049363	-2.248	4.473	-0.034111	-0.001810
		-3.483	1.435	-64.204	1.060	85.836	0.015598
.							
22141	2.300	0.147912	0.056546	-90.806	1.328	-16.296	0.064157
		-3.567	1.300	-8.777	3.154	34.852	1.510
.							
.							
22151	0	0.151580	0.035399	119.199	-1.623	-13.872	-0.043858
		-3.574	0.608535	26.509	2.198	6.095	-0.692738
.							
22151	1.150	0.050535	-0.070368	-1.100	-1.368	1.656	-0.001135
		-3.489	0.835953	-61.621	-1.596	84.425	0.002778
.							
22151	2.300	0.124347	0.062485	-88.527	-1.614	-15.462	0.068577
		-3.546	0.581449	-8.054	2.189	41.678	0.675817
.							
.							
22161	0	0.141612	-0.219291	116.947	-0.499058	-14.207	0.253398
		-3.583	0.159430	27.205	-3.034	6.298	-0.187932
.							
22161	1.150	0.060041	-0.256388	-2.902	-3.029	0.126287	-0.001961
		-3.517	0.032650	-63.930	0.156177	81.412	0.000811
.							
22161	2.300	0.119739	-0.322759	-90.540	-0.198509	-20.433	-0.371080
		-3.561	0.262898	-7.597	-3.334	42.939	0.298871
.							

.							
22171	0	0.179931	-0.210715	112.444	-3.982	-9.880	0.248508
		-3.552	-0.605099	25.514	-3.563	0.918003	0.704640
.							
22171	1.150	0.041512	-0.256812	-4.891	-8.300	-2.195	-0.010404
		-3.434	-0.710057	-68.605	-2.793	80.290	0.016198
.							
22171	2.300	0.141873	-0.291439	-94.349	-3.357	-24.866	-0.334587
		-3.513	-0.524375	-9.981	-4.188	32.075	-0.588561
.							
.							
22181	0	0.342045	-0.288830	109.578	-7.403	-14.871	0.363913
		-3.199	-1.721	10.939	-2.064	4.318	2.056
.							
22181	1.150	-0.128818	-0.212447	-6.261	-12.972	-2.545	-0.040373
		-2.819	-1.577	-71.760	-5.790	71.577	0.121429
.							
22181	2.300	0.210172	-0.298760	-96.118	-6.472	-33.864	-0.331246
		-2.946	-1.399	-16.131	-4.556	16.740	-1.496
.							
.							
22191	0	0.228960	-0.387838	98.839	-6.387	-23.816	0.462386
		-1.117	-2.266	15.242	-6.505	4.227	2.876
.							
22191	1.150	-0.652736	0.018567	-9.556	-5.577	-2.982	-0.056337
		-1.340	-2.326	-82.890	-4.504	49.788	0.251816
.							
22191	2.300	0.190836	-0.431959	-115.859	-6.406	-65.891	-0.481740
		-1.079	-2.222	-12.349	-6.486	7.558	-2.285
.							
.							
22201	0	0.362493	-1.127	150.847	-2.352	-67.795	1.274
		-1.160	0.183094	14.335	3.252	-6.824	-0.311657
.							
22201	1.150	0.307519	-0.669382	1.508	0.107204	0.943899	0.038615
		-1.133	-0.076869	76.127	0.714526	47.702	-0.155126
.							
22201	2.300	-1.133	-0.076869	-106.219	0.714526	-55.847	-0.243522
		0.260956	-0.093605	-12.420	0.080437	-5.204	-0.075088
.							
.							
22211	0	0.174493	0.288315	149.123	-4.127	-59.074	-0.294959
		-1.731	2.685	5.581	-10.130	9.692	-3.077
.							
22211	1.150	0.252557	0.344219	1.555	3.154	0.024890	-0.025715
		-1.158	2.914	68.710	1.213	58.723	-0.022124
.							
22211	2.300	-1.059	3.029	-113.185	4.119	-54.037	3.448
		0.498552	0.076593	-6.431	7.303	13.264	0.082274
.							
.							
22221	0	0.271507	0.421343	135.119	-0.075228	-50.638	-0.485594
		-1.682	3.229	5.462	-10.374	28.532	-3.730
.							
22221	1.150	0.092433	0.432709	1.530	2.694	0.065124	-0.015416
		-1.469	3.418	69.091	-0.024492	64.634	-0.050117
.							
22221	2.300	-1.456	3.421	-112.007	2.391	-47.339	3.876
		0.337328	-0.019098	-2.431	6.329	28.730	-0.039493

```
.
.
22231       0  0.226624  0.054510   103.805     5.898   -30.429 -0.078686
                 -1.925     2.469     9.832    -6.537    23.980    -2.870
.
22231   1.150  0.024611  0.457131     1.459     2.004  0.298618 -0.006292
                 -1.849     2.829    77.142     2.958    85.667 -0.036834
.
22231   2.300  0.285132  0.128164   -88.784    -7.164   -37.476  0.135005
                 -1.958     2.655    -4.721     5.619    22.254     3.019
.
.
22241       0  0.105173 -0.109669   104.260     2.257   -26.212  0.119163
                 -2.063     1.784     3.753    -5.188    35.428    -2.071
.
22241   1.150 -0.001210  0.472627     1.427     1.133  0.512490 -0.004443
                 -2.034     1.976    76.578  0.750226    91.541 -0.022265
.
22241   2.300  0.171064  0.177904   -92.493    -2.576   -37.742  0.193103
                 -2.099     1.786    -1.082     4.192    31.583     2.037
.
.
22251       0  0.055438 -0.111134   104.682    -1.469   -26.910  0.124764
                 -2.118  0.871964 -0.913540    -3.043    43.655    -1.008
.
22251   1.150 -0.035081 -0.662271     1.414 -0.183121  0.617144 -0.000178
                 -2.116     1.047    76.646    -1.462    91.709 -0.008987
.
22251   2.300  0.093364  0.190330   -92.454     2.025   -37.376  0.212252
                 -2.141  0.874233     1.141     2.107    38.183     1.000
.
.
22261       0  0.059947 -0.354062   103.618 -0.877641   -30.232  0.408515
                 -2.110  0.512065    -1.372     5.526    45.036 -0.583826
.
22261   1.150 -0.082259 -0.636615     1.462    -1.145  0.442420 -0.004192
                 -2.096  0.087291    75.894  0.668911    86.759  0.008072
.
22261   2.300  0.073476 -0.100648   -90.175  0.476580   -37.950 -0.112558
                 -2.120 -0.041591     1.637    -4.486    40.961 -0.041507
.
.
22271       0  0.061640 -0.362675   102.457    -4.463   -30.913  0.417640
                 -1.928 -0.332120     4.843     7.662    32.785  0.419859
.
22271   1.150 -0.167616 -0.613448     1.548    -2.004  0.168465 -0.006753
                 -1.911 -0.788099    75.766    -1.509    83.660  0.037621
.
22271   2.300  0.115700 -0.044784   -87.847     5.042   -37.830 -0.043326
                 -1.983 -0.925498    -1.133    -6.473    31.324    -1.036
.
.
22281       0  0.064790 -0.389402   100.884    -7.794   -35.754  0.450202
                 -1.417 -0.958752    12.457     8.955    17.489     1.183
.
22281   1.150 -0.219929 -0.597564     1.706    -2.678 -0.117719  0.010691
                 -1.416    -1.461    75.845    -3.649    75.241  0.080222
.
22281   2.300    -1.591    -1.592   -80.163     7.031   -36.515    -1.770
```



```
                 0.166454  0.016951    -6.469    -5.264    19.255  0.028451
.
.
22291       0  0.089968 -0.563797   152.437  0.973459   -65.412  0.660038
                -0.911322    -1.388     4.994    10.104    10.303     1.650
.
22291   1.150  0.047086 -0.603995     1.870    -3.127 -0.197538  0.056356
                -0.858786    -1.387    67.649     1.001    54.724  0.078504
.
22291   2.300    -1.248    -1.668  -114.178    -1.912   -59.245    -1.848
                 0.483784 -0.049141    -6.735    -7.340    13.232 -0.040609
.
.
22301       0  0.240664  0.038478   134.585 -0.683486   -63.066 -0.107387
                -0.799929 -0.084797    12.781 -0.063522    -5.228  0.167775
.
22301   1.150 -0.575620    -1.026 -0.878803  0.027969     1.432  0.207153
                 0.240664  0.038478   -47.761 -0.683486    28.102 -0.063139
.
22301   2.300 -0.383977  0.362514   -80.625    -2.665   -46.247  0.644249
                 0.205783 -0.839963   -14.282    -3.175    -6.778 -0.951742
.
.
22311       0  0.727723 -0.139433   134.995    -4.884   -54.753  0.151197
                -0.136484     2.740     4.865    -9.000    13.559    -3.146
.
22311   1.150  0.006630     3.061     3.760    -6.753    -5.011 -0.033227
                 0.622806 -0.017774   -46.900    -1.978    38.087  0.004059
.
22311   2.300  0.307673     2.680   -79.765    -4.893   -36.276     3.072
                 0.167373 -0.043726   -17.196    -5.176    -4.073 -0.044729
.
.
22321       0  0.496489 -0.258264   133.195    -2.795   -47.906  0.268017
                -0.288855     3.146    -1.224    -7.782    30.004    -3.623
.
22321   1.150 -0.264650     3.225    -3.807   -10.847    -8.314 -0.024282
                 0.479525 -0.247589   -47.903 -0.379601    43.431 -0.021421
.
22321   2.300 -0.072811     2.989   -72.898    -4.514   -35.332     3.406
                 0.202333 -0.077043   -28.314    -3.372     1.021 -0.088502
.
.
22331       0 -0.423081     2.640    36.311    -4.497   -27.340    -3.040
                 0.151202 -0.069471     2.740    -6.517    22.367  0.070210
.
22331   1.150 -0.456101     2.805 -0.705223    -7.589   -13.650 -0.002277
                 0.227505 -0.246641   -58.367    -3.940    62.014 -0.014704
.
22331   2.300 -0.391013     2.506   -85.030    -6.879   -32.491     2.876
                 0.139823 -0.070347   -30.539    -3.556     5.489 -0.088675
.
.
22341       0 -0.526834     1.876    37.246    -1.872   -29.077    -2.158
                 0.088784 -0.019269    -1.744    -4.936    31.909  0.018117
.
22341   1.150 -0.527961     2.050    -1.130    -3.470   -15.348  0.003895
                 0.111145 -0.197624   -58.973    -1.086    67.312 -0.009945
.
```

```
22341   2.300 -0.513228     1.880   -86.655    -2.593   -30.196     2.163
              0.087732 -0.180228   -33.966    -3.416     7.066 -0.213413
.
.
22351       0 -0.577792     1.040    36.500  0.887188   -27.009    -1.193
              0.071628 -0.003184    -5.417    -2.569    39.470  0.003288
.
22351   1.150 -0.552178     1.184    -2.330  0.880326   -14.480  0.004330
              0.050715 -0.148847   -58.261     1.775    67.609 -0.004118
.
22351   2.300 -0.559624     1.011   -86.297     1.782   -29.869     1.164
              0.057424 -0.143711   -37.273    -2.570     6.975 -0.166870
.
.
22361       0 -0.597591 -0.163255    37.595  0.855879   -27.797  0.186960
              0.074367  0.038492    -6.099     5.286    42.246 -0.042955
.
22361   1.150 -0.566465 -0.021669 -0.771642     2.441   -13.640 -0.001443
              0.055969 -0.101063   -57.120 -0.648826    63.105  0.003869
.
22361   2.300 -0.545037  0.350674   -84.844  0.897726   -32.298  0.406236
              0.039332 -0.329280   -38.284     3.737     7.389 -0.378507
.
.
22371       0 -0.635391 -0.967473    37.963     3.252   -29.600     1.101
              0.101599  0.083867    -1.692     7.555    31.649 -0.092225
.
22371   1.150 -0.637743 -0.824727  0.969631     6.335   -13.960 -0.019325
              0.142317 -0.051904   -57.542     2.165    60.130  0.015154
.
22371   2.300 -0.561888 -0.449778   -84.233     5.119   -33.486 -0.525610
              0.088199 -0.297724   -34.958     4.589     4.587 -0.333673
.
.
22381       0  0.140832  0.162962   124.876     7.337   -29.264 -0.172642
             -0.598405    -1.437     4.675     6.499    19.370     1.631
.
22381   1.150 -0.895745    -1.393     1.604     9.724   -11.451 -0.045172
              0.357013  0.006222   -56.189     4.917    52.557  0.031310
.
22381   2.300 -0.685964    -1.017   -81.229     9.063   -35.834    -1.194
              0.228391 -0.257041   -31.508     4.773  0.275859 -0.276626
.
.
22391       0  0.077767  0.138857   137.283     2.167   -60.869 -0.141515
             -0.550944    -1.432     4.241     9.012    14.416    -1.630
.
22391   1.150    -1.213    -1.323    -1.650    11.997    -4.987 -0.027828
              0.455263 -0.148794   -44.545 -0.745574    34.669  0.026621
.
22391   2.300 -0.897743    -1.203   -77.488     2.181   -37.146    -1.400
              0.285726 -0.114519   -18.878     6.744    -4.556 -0.116970
.
.
22401       0 -0.556856  0.192540    34.947   -12.811   -20.229 -0.097462
              0.167763 -0.213404    14.925    -8.399    -8.655  0.259676
.
22401   1.150 -0.852691 -0.004128     2.164    -2.043 -0.156774  0.002115
              0.419884 -0.004872     1.479    -9.741     2.063  0.111839
.
22401   2.300 -0.684550  0.569376   -29.930    -8.661   -14.431  0.731287
              0.295233 -0.068445   -12.502    -3.659    -5.892 -0.035140
.
.
22411       0  0.448383     2.151    43.083    -9.682   -28.140    -2.384
              0.250175 -0.154739    14.478   -10.920    -4.180  0.150951
.
22411   1.150  0.013324     2.293     8.535    -8.383    -3.129  0.135700
              0.685234 -0.296142     2.882   -12.219    10.470 -0.072816
.
22411   2.300  0.532494     2.207   -28.400   -17.519    -6.093     2.615
              0.135577 -0.248209    -5.819    -6.576 -0.963339 -0.293117
.
.
22421       0  0.857363     2.192    32.683    -6.507   -25.300    -2.509
              0.136504 -0.203882    21.482   -10.668     2.031  0.206402
.
22421   1.150  0.831531     2.246     8.323    -6.421    -2.828  0.018647
              0.162337 -0.257862 -0.301597   -10.754    15.315 -0.034964
.
22421   2.300  0.920532     2.239   -30.252   -14.722    -5.955     2.565
              0.083643 -0.290555    -6.436    -4.881 -0.831200 -0.336895
.
.
22431       0  0.894543     1.900    31.321    -5.022   -23.107    -2.211
             -0.000521 -0.124235    18.783    -8.364     7.528  0.138587
.
22431   1.150  0.903915     1.929     7.091    -4.972    -2.525 -0.024898
             -0.009893 -0.153180    -3.132    -8.414    18.030 -0.005755
.
22431   2.300  0.894098     1.819   -27.770   -10.282    -4.977     2.066
             -0.030970  0.078003   -12.367 -0.955902 -0.749047  0.084718
.
.
22441       0  0.822273     1.420    31.641    -2.606   -24.082    -1.652
             -0.015863 -0.161143    17.414    -5.308     9.689  0.186612
.
22441   1.150  0.844888     1.334     7.510    -2.623    -3.292 -0.018110
             -0.038478 -0.075278    -4.600    -5.291    18.778  0.000163
.
22441   2.300  0.824693     1.284   -29.044    -4.742    -5.784     1.459
             -0.038835 -0.447650   -12.713 -0.605205 -0.748019 -0.512076
.
.
22451       0  0.797190  0.778587    31.756  0.028594   -24.493 -0.901959
             -0.016613 -0.105634    17.967    -1.500     7.439  0.122839
.
22451   1.150  0.817738  0.795611     7.697  0.004254    -3.012 -0.000470
             -0.041469 -0.125804    -2.167  0.915015    18.093 -0.000519
.
22451   2.300  0.794672  0.688415   -34.898    -1.449    -6.649  0.787045
             -0.049130 -0.455308   -12.844 -0.065271 -0.754863 -0.521553
.
.
22461       0  0.814135  0.264121    31.969     2.746   -24.767 -0.302873
             -0.026124 -0.214949    17.620     5.745     7.968  0.249357
.
22461   1.150  0.836638  0.267914     7.826     2.684    -3.578  0.000919
```

```
                -0.060628 -0.231877    -1.906     2.770    18.113  0.001727
.
22461    2.300   0.806586  0.048086   -35.257     6.462    -6.908  0.058822
                -0.064502 -0.475770   -12.715  0.474441 -0.750361 -0.544776
.
.
22471        0   0.777162 -0.439043    31.443     5.233   -23.431  0.496383
                -0.004006 -0.133018    18.551     9.607     7.076  0.160888
.
22471    1.150   0.832613 -0.489902     6.401     8.137    -3.537 -0.004101
                -0.024642 -0.151106    -3.332     9.709    17.267  0.008535
.
22471    2.300   0.805543 -0.601186   -34.382    10.898    -5.634 -0.688452
                -0.074795 -0.481864   -12.329  0.982273 -0.755959 -0.549688
.
.
22481        0   0.476122    -1.166    31.582    12.532   -24.675     1.274
                 0.129667 -0.021304    21.288    12.494     1.838  0.051774
.
22481    1.150   0.492414    -1.163     7.169    12.390    -3.392 -0.068415
                 0.113375 -0.024503 -0.442660    12.635    14.822  0.028376
.
22481    2.300   0.586667    -1.189   -31.780    14.248    -4.663    -1.408
                -0.043267 -0.502838   -11.745     1.417 -0.904489 -0.564908
.
.
22491        0  -0.433840    -1.574    42.783     6.764   -26.778     1.673
                 0.140285  0.040939    14.428    13.103    -4.415 -0.031937
.
22491    1.150  -0.777913    -1.734     8.164     5.406    -1.985 -0.172436
                 0.484358  0.201579     2.903    14.461    10.049  0.050907
.
22491    2.300  -0.359935    -1.504   -26.986    16.553    -6.595    -1.868
                 0.001523 -0.015313    -6.251     3.523 -0.198091 -0.011927
.
.
22501        0   0.462437 -0.506534   117.457    -5.318   -61.615  0.563810
                -0.726894 -0.235295    12.177    -3.779    -5.954  0.355079
.
22501    1.150  -0.685178 -0.906447    -2.868    -2.656    -2.319  0.574633
                 0.061639 -0.361626   -63.854    -6.805    33.349 -0.234661
.
22501    2.300   0.527724 -0.593198   -97.237    -5.374   -60.860 -0.717941
                -0.672882 -0.020072   -15.206   -16.829    -9.298  0.009497
.
.
22601        0   0.426303 -0.741118   150.917     4.725   -68.172  0.856201
                   -1.109  0.039744    14.426    -3.231    -6.999  0.055880
.
22601    1.150   0.374173  0.561127     1.705 -0.156384  0.649867 -0.055549
                -0.686653 -0.311693    76.381    -2.398    47.476 -0.063940
.
22601    2.300  -0.839667  0.195617  -105.965    -2.399   -55.782  0.242261
                 0.333262 -0.652129   -11.971 -0.098821    -5.093 -0.799981
.
.
22701        0   0.266091 -0.305389   134.307     2.749   -62.973  0.405830
                   -1.024  0.446992    12.522  0.068831    -5.103 -0.417922
.
```

```
22701    1.150    -1.044 -0.656193    -1.134     1.559     1.224  0.096005
                 0.419161  0.201946    -48.039     2.749    27.877 -0.026600
.
22701    2.300  -0.705046  0.165891   -80.360 -0.388739    -46.782  0.196453
                 0.029822 -0.407920   -14.308     3.172    -6.912 -0.373148
.
.
22801        0  -0.963144  0.450693    35.219     3.607   -21.377 -0.333474
                -0.060102 -0.197629    15.047     8.652    -9.113  0.367022
.
22801    1.150    -1.292   0.329035     2.519     2.290 -0.966196  0.320784
                 0.392288  0.097645     1.717     4.892     1.795 -0.097713
.
22801    2.300    -1.001   0.224382   -29.662     5.486   -14.923  0.428926
                 0.128846  0.062530   -12.432     3.631    -6.055  0.093079
.
.
23101        0     1.529 -0.556840   122.225     7.679   -64.296     1.483
                -0.625684  0.447482    14.263     6.547    -6.796 -0.470741
.
23101    1.150  0.976852    -1.154    -4.249     4.545    -2.579  0.523100
                -0.291349 -0.210974   -64.475     7.913    33.339  0.071183
.
23101    2.300     1.543 -0.589959  -103.625     7.739   -65.405  0.147045
                -0.629756  0.079455   -17.349    14.866   -10.994  0.159101
.
.
23111        0     1.698  0.825667   104.363     9.976   -16.624    -1.149
                   -1.828     4.045    21.295     4.272    -1.003    -5.004
.
23111    1.150  -0.089178  0.315722    -9.663    13.677    -3.741  0.050678
                   -1.011     4.388   -82.911     6.269    60.267 -0.458331
.
23111    2.300     1.619  0.995983  -121.494    10.048   -58.829  0.951426
                   -1.749     3.875   -11.049     4.199    10.786     4.097
.
.
23121        0  0.479545  0.576656   110.702     6.392   -14.235 -0.737160
                -3.830     3.136    28.222     3.801     4.856    -3.662
.
23121    1.150  0.106941  0.351789    -7.873    10.038    -2.108  0.021061
                -3.636     3.285   -76.152     3.229    70.633 -0.103733
.
23121    2.300  0.346661  0.769622  -105.345     5.893   -45.676  0.839669
                -3.697     2.943   -13.933     4.300    36.390     3.300
.
.
23131        0  0.241592  0.196128   126.246     5.005   -12.304 -0.226892
                -4.242     2.210    22.313  0.258620     4.203    -2.520
.
23131    1.150  0.034734  0.487374    -2.649     4.173     4.432  0.012228
                -4.090     1.899   -60.314     2.697    90.997  0.020337
.
23131    2.300  0.070731  0.642502   -31.069     4.304   -13.159  0.752687
                -4.201     1.499   -16.056     2.381    27.702     1.737
.
.
23141        0  0.210226  0.118618   128.230     1.356    -8.008 -0.135697
                -4.255  0.772371    29.924     2.892     1.467 -0.875713
```

```
.
23141   1.150  0.032131  0.360598   -2.177     2.262     4.830  0.002991
                -4.117     1.041   -58.157  0.160257    97.925  0.014534
.
23141   2.300  0.060547  0.360800   -30.470    2.297   -11.889  0.417365
                -4.224  0.789826    -9.771     3.045    42.744  0.921176
.
.
23151       0  0.186749  0.094661   129.703   -2.147   -11.802 -0.111694
                -4.240 -0.174027    32.762     3.068     5.736  0.202292
.
23151   1.150  0.033376 -0.432295    -1.998 -0.267675     4.991 -0.004979
                -4.140  0.094670   -56.628   -2.147    95.944 -0.002839
.
23151   2.300  0.060407  0.415240   -30.253  0.278023   -11.422  0.482410
                -4.211 -0.174026    -6.626     3.068    54.267 -0.197953
.
.
23161       0  0.193035 -0.207640   127.778  0.404190   -12.374  0.240702
                -4.234 -0.844527    33.170    -3.035     6.061  0.954760
.
23161   1.150  0.045329 -0.421419    -2.177    -2.291     4.834 -0.002983
                -4.136    -1.130   -58.609     1.600    93.039 -0.011902
.
23161   2.300  0.073745 -0.421621   -30.470    -2.325   -11.886 -0.487298
                -4.203 -0.861981    -6.525    -3.188    54.803    -1.008
.
.
23171       0  0.248493 -0.281755   124.089    -3.598    -8.741  0.328065
                -4.220    -1.848    29.289    -2.685     1.477     2.104
.
23171   1.150  0.113378 -0.269269 -0.637677   -11.437     2.228 -0.003449
                -4.083    -1.984   -62.471    -1.290    92.080 -0.017632
.
23171   2.300  0.096984 -0.725310   -31.065    -4.332   -13.142 -0.849001
                -4.188    -1.583   -11.334    -2.940    39.099    -1.835
.
.
23181       0  0.511810 -0.474859   119.409    -7.715   -13.302  0.604881
                -3.999    -3.300    15.160    -2.382     3.451     3.827
.
23181   1.150  0.120210 -0.356879    -3.436   -18.381  0.680318 -0.015884
                -3.604    -3.183   -67.445    -4.552    81.578  0.088516
.
23181   2.300  0.378948 -0.667826   -96.637    -7.216   -24.718 -0.737825
                -3.759    -2.774   -19.254    -2.454    19.816    -3.111
.
.
23191       0  0.935941 -0.658269   103.070    -8.624   -20.993  0.853572
                -1.754    -4.120    20.472    -5.867     3.194     5.099
.
23191   1.150 -0.124404 -0.182491   -10.064    -8.951    -2.730 -0.038457
                -1.772    -4.221   -84.204    -4.918    54.405  0.354988
.
23191   2.300  0.857052 -0.828584  -122.788    -8.697   -66.179 -0.862267
                -1.675    -3.950   -11.872    -5.794    13.090    -4.176
.
.
23201       0  0.561448 -0.883707   157.016    -3.522   -71.412     1.063
                -1.146  0.773270    16.891     5.496    -8.256 -0.941611
.
23201   1.150  0.314460 -0.824909     1.972  0.365383  0.892947  0.017409
                -1.039  0.723161    76.537     1.517    48.174 -0.090733
.
23201   2.300    -1.082  0.644476  -111.386     1.520   -58.111  0.618153
              0.200717 -0.517353   -14.373  0.341020    -6.095 -0.632217
.
.
23211       0  0.459676  0.413861   152.887    -5.121   -56.500 -0.415010
                -1.372     3.624     7.014   -13.166    12.360    -4.210
.
23211   1.150  0.253315  0.674692     2.315     5.287  0.533777 -0.031526
              -0.879612     3.894    70.492     1.151    64.044 -0.082152
.
23211   2.300 -0.960837     4.200  -116.536     5.922   -49.416     4.742
               0.569805  0.031449    -7.186     9.075    19.426  0.041615
.
.
23221       0  0.387961  0.862159   136.241     1.073   -45.693 -0.999880
                -1.758     3.335     5.827   -14.179    38.874    -3.932
.
23221   1.150  0.111306  0.625171     2.474     4.519     1.416 -0.017997
                -1.666     3.891    70.889  -0.545404    73.486 -0.112903
.
23221   2.300  0.576430  0.157071  -116.966 -0.567024   -39.478  0.145415
                -1.399     3.839  0.463334    12.003    42.983     4.322
.
.
23231       0  0.275503  0.272337   112.429     8.209   -22.460 -0.331480
                -2.333     2.196    14.316    -8.723    28.864    -2.581
.
23231   1.150  0.104396  0.613589     2.069     3.196     2.344 -0.015361
                -2.281     2.739    80.276     3.584   104.517 -0.057590
.
23231   2.300  0.277604  0.137920   -84.835    -7.786   -35.882  0.138006
                -2.294     2.630   -20.871     5.764    32.550     2.967
.
.
23241       0  0.138046  0.008378   113.843     3.169   -16.980 -0.017457
                -2.503     1.115     6.893    -6.972    44.103    -1.302
.
23241   1.150  0.048948  0.714357     1.968     1.783     3.004 -0.011554
                -2.483     1.304    80.641  0.782546   113.194 -0.022805
.
23241   2.300  0.157516  0.176738   -88.504    -2.425   -35.950  0.192445
                -2.486     1.279   -16.725     4.747    46.826     1.448
.
.
23251       0  0.100729  0.009049   113.386    -2.028   -16.602 -0.010773
                -2.533 -0.249541 -0.169973    -4.211    56.779  0.291828
.
23251   1.150  0.027139  0.651933     1.957  0.187894     3.301 -0.006230
                -2.532  0.009033    79.816    -2.028   113.554 -0.000367
.
23251   2.300  0.111900  0.128757   -86.975     2.890   -34.363  0.145010
                -2.527 -0.017977   -12.776     2.926    58.091 -0.019795
.
.
```

23261	0	0.137159	-0.016785	112.363	-1.143	-21.863	0.027667
		-2.476	-1.228	-0.172146	7.553	57.515	1.434
23261	1.150	0.035640	-0.737520	1.975	-1.765	3.005	0.009553
		-2.482	-1.313	79.161	1.243	106.609	0.023346
23261	2.300	0.145108	-0.303306	-85.684	-0.501769	-36.146	-0.335347
		-2.473	-1.290	-12.238	-5.175	61.152	-1.460
23271	0	0.280618	-0.283045	111.994	-6.180	-24.591	0.344895
		-2.302	-2.304	8.072	10.351	40.557	2.707
23271	1.150	0.063047	-0.635445	2.091	-3.174	2.344	0.010784
		-2.276	-2.750	79.841	-1.555	101.886	0.058691
23271	2.300	0.276101	-0.262876	-85.412	4.812	-37.792	-0.279669
		-2.275	-2.644	-16.307	-6.883	45.302	-2.983
23281	0	0.469884	-0.575818	109.316	-10.876	-31.574	0.682143
		-1.802	-3.131	16.848	12.090	21.098	3.701
23281	1.150	0.046216	-0.662307	2.522	-4.492	1.417	0.022494
		-1.708	-3.871	78.866	-4.099	89.338	0.102116
23281	2.300	0.584450	-0.168742	-92.753	12.878	-37.117	-0.176008
		-1.941	-3.801	-6.664	-10.456	27.334	-4.280
23291	0	0.505962	-0.526137	157.603	0.832110	-65.113	0.585684
		-1.426	-3.734	4.522	13.317	15.691	4.330
23291	1.150	0.308773	-0.688877	2.417	-5.255	0.540543	0.069383
		-1.184	-3.805	67.745	1.685	53.571	0.077676
23291	2.300	-1.265	-4.111	-119.284	-3.086	-58.048	-4.643
		0.619478	-0.060170	-6.171	-9.357	21.300	-0.070852
23301	0	0.382477	-0.030845	139.702	-1.487	-65.278	-0.015283
		-0.987833	0.685315	14.833	-0.340289	-6.165	-0.758541
23301	1.150	-0.883878	0.166192	-1.178	-0.266875	1.488	0.128893
		0.425609	-0.109514	-48.221	-1.483	28.569	-0.018521
23301	2.300	-0.484193	1.124	-86.794	-3.174	-49.754	1.565
		0.269741	-0.810499	-16.802	-5.432	-8.163	-0.903925
23311	0	0.985088	-0.318150	137.673	-6.954	-49.787	0.347029
		-0.317572	3.777	5.411	-11.239	19.664	-4.297
23311	1.150	-0.564047	3.980	3.124	-10.798	-5.739	0.017085
		1.059	0.002798	-49.355	-2.184	42.980	-0.012842
23311	2.300	0.111666	3.486	-88.252	-6.959	-37.994	4.039
		0.446932	0.022368	-19.569	-6.255	-2.180	0.022427

23321	0	-0.185217	3.460	137.359	0.062324	-39.723	-3.979
		0.420502	-0.163445	-4.497	-13.872	44.079	0.165464
23321	1.150	-0.463709	3.560	-7.037	-16.395	-7.406	0.023827
		0.642456	-0.221653	-50.496	0.040713	51.693	-0.046892
23321	2.300	-0.232907	3.024	-80.946	-6.737	-36.596	3.484
		0.397203	0.299315	-31.380	-3.431	8.969	0.317510
23331	0	-0.517778	2.545	25.601	-8.444	-25.375	-2.917
		0.235411	-0.067082	18.927	-6.903	32.601	0.058183
23331	1.150	-0.479358	2.599	-3.828	-11.276	-12.640	0.007909
		0.237775	-0.131033	-62.504	-4.843	79.956	-0.019798
23331	2.300	-0.454147	2.359	-30.057	-11.295	-32.109	2.719
		0.171780	0.118030	-33.615	-4.051	17.319	0.119651
23341	0	-0.601197	1.332	25.645	-3.589	-26.467	-1.529
		0.116136	0.014155	13.777	-5.737	47.057	-0.023701
23341	1.150	-0.571334	1.319	-4.486	-5.056	-13.769	0.001587
		0.107162	0.026746	-64.030	-1.184	97.978	-0.007636
23341	2.300	-0.573781	1.406	-30.679	-5.056	-33.988	1.620
		0.088720	-0.060334	-38.100	-4.270	20.818	-0.076784
23351	0	-0.639220	0.122099	24.702	1.490	-23.696	-0.140059
		0.088871	-0.002334	8.190	-3.596	59.179	0.003523
23351	1.150	-0.614502	0.122099	-5.668	1.490	-12.106	0.000349
		0.069379	0.000544	-62.360	2.484	88.617	-0.000420
23351	2.300	-0.614502	0.122099	-31.861	1.490	-33.684	0.140757
		0.064154	-0.002334	-43.449	-3.596	20.387	-0.001845
23361	0	-0.611132	-1.456	26.316	1.887	-25.624	1.671
		0.126474	-0.013477	7.514	6.246	62.230	0.023369
23361	1.150	-0.581269	-1.443	-3.815	3.354	-12.154	-0.002441
		0.106904	-0.029519	-61.391	-1.297	82.047	0.008209
23361	2.300	-0.587402	-1.167	-36.541	7.351	-33.786	-1.344
		0.099057	0.061012	-44.363	4.779	21.587	0.078011
23371	0	-0.525205	-2.672	27.588	6.489	-28.648	3.063
		0.253085	0.072487	13.360	8.272	45.533	-0.063817
23371	1.150	-0.486785	-2.727	-1.842	9.321	-13.628	-0.009130
		0.244794	0.128719	-62.681	2.356	77.310	0.020936
23371	2.300	-0.461574	-2.487	-28.071	9.341	-30.813	-2.867
		0.189454	-0.112624	-39.183	5.420	17.447	-0.112854

.							
.							
23381	0	-0.321495	-3.612	41.277	7.821	-27.314	4.140
		0.377348	0.149197	4.860	11.994	27.394	-0.151260
.							
23381	1.150	-0.472552	-3.691	-0.820482	14.795	-11.773	-0.024466
		0.594494	0.244198	-60.227	5.734	65.759	0.036225
.							
23381	2.300	-0.280848	-3.001	-90.677	12.511	-33.720	-3.469
		0.425039	-0.287052	-35.036	5.195	9.437	-0.302961
.							
.							
23391	0	0.672750	0.230958	141.807	3.436	-59.219	-0.253371
		-0.265044	-3.769	3.395	11.537	22.333	4.292
.							
23391	1.150	-0.439458	-3.541	-3.266	18.372	-5.102	-0.015846
		0.746292	-0.090003	-45.222	-1.334	38.301	0.006235
.							
23391	2.300	-0.202357	-3.573	-84.119	3.441	-37.920	-4.146
		0.482579	-0.002908	-21.311	8.167	-1.757	-0.001489
.							
.							
23401	0	-0.426602	1.034	41.579	-16.140	-25.394	-0.912843
		0.206586	-0.016928	17.761	-15.875	-10.767	0.056384
.							
23401	1.150	-0.813447	0.719787	3.151	-15.196	-0.997519	0.067694
		0.593430	0.296883	2.083	-16.820	1.967	0.244977
.							
23401	2.300	-0.607688	1.353	-34.556	-11.688	-17.201	1.739
		0.401805	-0.011472	-14.378	-6.539	-6.988	0.084489
.							
.							
23411	0	0.705300	2.538	49.383	-14.234	-30.544	-2.839
		0.551492	-0.212172	16.110	-14.477	-2.447	0.177269
.							
23411	1.150	0.141918	2.929	9.024	-13.220	-3.107	0.161019
		1.115	-0.602970	2.368	-15.491	14.324	-0.147523
.							
23411	2.300	0.924388	2.636	-34.770	-24.637	-6.538	3.077
		0.319429	-0.372759	-7.803	-9.514	-1.596	-0.452010
.							
.							
23421	0	1.022	2.111	36.537	-10.190	-26.346	-2.429
		0.209215	-0.068159	22.273	-13.643	9.731	0.027801
.							
23421	1.150	1.008	2.328	7.921	-10.019	-2.083	0.002344
		0.223363	-0.285491	-3.211	-13.814	21.990	-0.054119
.							
23421	2.300	1.131	2.266	-39.271	-20.637	-6.859	2.566
		0.072254	0.239916	-14.235	-2.116	-0.961730	0.241947
.							
.							
23431	0	1.038	1.456	35.927	-9.453	-26.245	-1.702
		0.003666	0.131913	17.828	-10.991	19.133	-0.162014
.							
23431	1.150	1.048	1.641	7.507	-9.322	-3.068	-0.029589
		-0.006290	-0.053132	-7.852	-11.122	26.665	-0.008427
.							
23431	2.300	1.044	1.594	-38.260	-14.289	-6.401	1.799

		-0.037367	0.311889	-15.097	-1.466	-0.872300	0.349526
.							
.							
23441	0	0.990406	0.935350	35.930	-4.901	-26.842	-1.094
		-0.020310	-0.071931	15.405	-7.430	23.556	0.082464
.							
23441	1.150	1.008	0.950357	7.687	-4.867	-3.787	-0.017851
		-0.037486	-0.086938	-10.403	-7.464	28.484	-0.000531
.							
23441	2.300	0.985491	0.817842	-40.650	-6.416	-7.408	0.924174
		-0.045483	0.325281	-15.620	-0.721776	-0.886171	0.370006
.							
.							
23451	0	0.977783	0.077291	35.743	-0.011108	-26.557	-0.090069
		-0.023520	0.005441	15.563	-2.701	21.849	-0.005921
.							
23451	1.150	0.997003	0.077291	7.489	-0.011108	-3.830	-0.001188
		-0.042740	0.005441	-10.284	-2.701	27.015	0.000335
.							
23451	2.300	0.964964	0.005438	-46.615	-2.701	-7.684	0.006589
		-0.039839	-0.383752	-15.776	-0.087135	-0.895617	-0.437292
.							
.							
23461	0	0.987422	-0.782570	35.725	4.913	-26.232	0.915593
		-0.016698	0.077187	14.905	7.887	23.126	-0.088629
.							
23461	1.150	1.005	-0.797577	7.432	4.879	-3.470	0.015396
		-0.033873	0.092194	-10.903	7.921	27.479	0.000409
.							
23461	2.300	0.977359	-0.826687	-47.290	9.118	-7.876	-0.934673
		-0.047315	-0.380631	-15.613	0.697330	-0.885684	-0.433025
.							
.							
23471	0	1.036	-1.539	35.616	8.661	-25.128	1.798
		0.008935	-0.118980	16.904	12.601	20.078	0.147141
.							
23471	1.150	1.046	-1.724	7.196	8.530	-2.309	0.030657
		-0.001022	0.066064	-8.776	12.732	26.547	0.008427
.							
23471	2.300	1.050	-1.592	-36.152	11.931	-6.507	-1.797
		-0.040966	-0.370764	-15.093	1.441	-0.871839	-0.416746
.							
.							
23481	0	0.968544	-2.334	35.328	11.941	-24.043	2.687
		0.218653	0.092276	21.448	16.102	10.859	-0.355503
.							
23481	1.150	0.954398	-2.551	6.712	11.769	-1.170	-0.000612
		0.232800	0.309607	-4.036	16.274	22.169	0.054150
.							
23481	2.300	1.134	-2.264	-32.372	18.702	-5.311	-2.567
		0.063850	-0.304387	-14.233	2.090	-0.961714	-0.315663
.							
.							
23491	0	0.700684	-2.663	49.137	9.797	-28.382	2.998
		0.567770	0.247016	15.632	17.446	-1.722	-0.217586
.							
23491	1.150	0.137303	-3.054	8.778	8.783	-1.729	-0.144878
		1.131	0.637812	1.890	18.460	14.499	0.147275
.							

```
23491   2.300   0.883298    -2.644   -33.323    23.308    -7.125    -3.096
                0.313151   0.248245    -8.049     5.077 -0.500223  0.324964
.
.
23501       0      1.003   0.639645   122.025    -5.995   -63.742    -1.134
              -0.656052 -0.401194    14.231    -6.556    -6.797  0.441259
.
23501   1.150      1.048   0.990004    -4.300    -6.618    -2.662 -0.557326
                0.217765   0.086612   -64.641    -9.461    33.304 -0.479019
.
23501   2.300      1.017   0.672753  -103.824    -6.055   -65.309  0.391898
              -0.624670 -0.276258   -17.888    -9.662   -11.070 -0.387202
.
.
23601       0   0.469710   0.240987   156.767     6.900   -71.132 -0.250328
                -1.343 -0.862089    16.872    -5.494    -8.139     1.197
.
23601   1.150   0.473186      1.590     1.859 -0.409574  0.830706 -0.117035
              -0.906894 -0.643324    76.615    -3.826    48.169 -0.016512
.
23601   2.300 -0.949992 -0.564640  -111.308    -3.830   -58.025 -0.633591
                0.297261   0.573316  -14.216 -0.349519    -6.089  0.644116
.
.
23701       0   0.520072 -0.139837   139.594     4.326   -65.157  0.099574
                -1.067 -0.443683    14.767  0.325698    -6.017  0.538904
.
23701   1.150 -0.865578 -0.762014    -1.239     2.659     1.489 -0.145138
                0.563204 -0.061169   -48.329     4.322    28.565 -0.093464
.
23701   2.300 -0.612182 -0.945120   -86.750 -0.815109   -49.657    -1.257
                0.279747   0.669219  -16.794     5.443    -8.137  0.734984
.
.
23801       0 -0.418460    -1.019    41.600    19.262   -25.409  0.888709
                0.265158   0.054881   17.777    15.927   -10.797 -0.110017
.
23801   1.150 -0.805304 -0.704814     3.172    18.317 -0.987745 -0.074611
                0.652002 -0.258937     2.104    16.871     1.956 -0.254965
.
23801   2.300 -0.582153    -1.071   -34.521     6.836   -17.205    -1.436
                0.379959 -0.061004   -14.349     6.547    -6.977 -0.146283
.
.
24101       0   0.893773   0.620411   117.650     7.106   -62.071 -0.422624
                -0.695619   0.250801    12.206     3.768    -5.932 -0.354158
.
24101   1.150 -0.695892   0.804197    -2.923     2.690    -2.390 -0.595544
                -0.369536   0.281093   -63.697     5.449    33.314 -0.021384
.
24101   2.300   0.959050   0.707069   -97.045     7.162   -60.873     1.121
                -0.718691 -0.114558   -15.087     9.666    -8.194 -0.193764
.
.
24111       0   0.973594   0.530429    98.437     7.906   -18.651 -0.689294
                  -2.218      2.006     4.719     7.121 -0.738195    -2.477
.
24111   1.150 -0.647544   0.068069    -9.696     9.004    -4.287  0.064651
                -0.597124      2.468   -83.292     6.022    54.491 -0.314751
```

```
.
24111   2.300   0.935463   0.574551  -116.260     7.925   -61.650  0.582779
                -1.161      2.155    -9.889     5.753     8.054     2.212
.
.
24121       0   0.343570   0.409299   102.500     5.376   -15.839 -0.518135
                -3.004      1.558    22.032     4.956     5.515    -1.892
.
24121   1.150 -0.138610   0.219783    -8.893     6.714    -3.451  0.044592
                -2.817      1.697   -78.837     3.763    62.471 -0.137117
.
24121   2.300   0.211689   0.419237  -103.195     4.445   -51.108  0.454101
                -2.872      1.548   -14.561     5.887    26.078     1.661
.
.
24131       0   0.173446   0.131881   115.813     5.146   -14.186 -0.154880
                -3.568   0.948823    16.732  0.863060     5.345    -1.105
.
24131   1.150   0.039741   0.245528    -3.150    10.144 -0.078547  0.010040
                -3.440   0.631212   -65.236     3.957    79.858 -0.013224
.
24131   2.300   0.135379   0.212607   -90.980     4.521   -21.423  0.246907
                -3.526   0.448453   -13.427     3.586    23.377  0.500927
.
.
24141       0   0.160201   0.137659   116.636     1.830    -9.476 -0.157186
                -3.603 -0.227307    26.001     2.890  0.922529  0.263015
.
24141   1.150   0.058380   0.247213    -2.281     4.596 -0.082028  0.002050
                -3.497 -0.114294   -64.241     1.175    85.785  0.001527
.
24141   2.300   0.138327   0.241135   -99.851     1.530   -16.418  0.279555
                -3.581 -0.330783    -8.801     3.190    34.794 -0.379909
.
.
24151       0   0.151655   0.137563   119.199    -1.445   -13.872 -0.159821
                -3.574 -0.929152    26.509     2.254     6.095     1.065
.
24151   1.150   0.050437   0.090021    -1.100    -1.257     1.656  0.001268
                -3.489 -0.663004   -61.621    -1.473    84.425 -0.007558
.
24151   2.300   0.124403   0.110478   -88.527    -1.455   -15.462  0.125543
                -3.547 -0.902068    -8.054     2.263    41.678    -1.041
.
.
24161       0   0.154446 -0.126821   116.996 -0.318536   -14.194  0.148442
                -3.571    -1.379    27.225    -2.977     6.304     1.567
.
24161   1.150   0.070322 -0.057615    -2.009    -2.906  0.174218  0.001940
                -3.502    -1.516   -63.893  0.271181    81.463 -0.013252
.
24161   2.300   0.129075 -0.137164   -90.495  0.002910   -20.312 -0.154519
                -3.546    -1.368    -7.573    -3.298    42.996    -1.592
.
.
24171       0   0.212755 -0.187274   112.552    -3.793    -9.852  0.224950
                -3.574    -2.075    25.559    -3.502  0.930010     2.374
.
24171   1.150   0.099362 -0.106665    -4.817    -8.170    -2.090  0.001056
```

		-3.462	-2.228	-68.526	-2.673	80.400	-0.007365
.							
24171	2.300	0.190182	-0.265048	-94.243	-3.175	-24.594	-0.297253
		-3.552	-1.997	-9.934	-4.120	32.195	-2.306
.							
.							
24181	0	0.486238	-0.271101	109.756	-7.202	-14.815	0.366629
		-3.344	-3.053	11.015	-1.998	4.340	3.559
.							
24181	1.150	0.102654	-0.180283	-6.137	-12.833	-2.362	-0.008462
		-2.965	-2.913	-71.629	-5.661	71.766	0.094705
.							
24181	2.300	0.405440	-0.335932	-95.941	-6.279	-33.401	-0.345328
		-3.134	-2.679	-16.053	-4.482	16.943	-3.001
.							
.							
24191	0	0.691225	-0.302191	99.083	-6.175	-23.669	0.403005
		-1.394	-3.042	15.353	-6.434	4.281	3.760
.							
24191	1.150	-0.063127	-0.126636	-9.386	-5.430	-2.682	-0.019908
		-1.589	-3.030	-82.707	-4.367	50.097	0.250705
.							
24191	2.300	0.692358	-0.414855	-115.616	-6.201	-65.186	-0.421022
		-1.396	-2.929	-12.237	-6.408	7.869	-3.106
.							
.							
24201	0	0.501837	0.326412	151.165	-2.339	-68.466	-0.333600
		-1.098	-0.774039	14.433	3.233	-7.073	0.794131
.							
24201	1.150	0.230901	0.029965	1.840	0.111210	0.685586	-0.009683
		-0.802471	0.363823	76.316	0.693216	47.468	-0.003694
.							
24201	2.300	-0.955513	-0.143487	-106.030	0.693469	-55.865	-0.249947
		0.256269	0.639417	-12.133	0.089277	-5.121	0.754095
.							
.							
24211	0	0.009100	0.519655	149.388	-4.119	-59.673	-0.584100
		-0.858152	1.294	5.690	-10.134	9.432	-1.546
.							
24211	1.150	-0.012803	0.606533	1.757	3.159	-0.191603	-0.032154
		-0.582843	1.452	68.897	1.210	58.499	-0.080841
.							
24211	2.300	-0.971952	1.732	-112.931	4.122	-54.035	1.919
		0.429544	0.029811	-6.311	7.305	13.264	0.020309
.							
.							
24221	0	-0.003592	0.598595	135.286	-0.051795	-51.063	-0.680847
		-1.398	1.135	5.523	-10.372	28.347	-1.380
.							
24221	1.150	-0.366879	0.586312	1.755	2.636	-0.118548	0.000773
		-1.354	1.482	69.213	-0.011585	64.449	-0.088163
.							
24221	2.300	-1.576	1.632	-111.853	2.408	-47.397	1.805
		0.214225	0.017496	-2.357	6.338	28.703	0.008423
.							
.							
24231	0	0.050886	0.350830	103.892	5.937	-30.685	-0.402545
		-1.956	0.237470	9.854	-6.528	23.867	-0.310435
.							

24231	1.150	-0.235514	0.574033	1.580	1.966	0.166751	0.012185
		-1.922	0.776252	77.201	2.983	85.538	-0.036148
.							
24231	2.300	0.120192	-0.065049	-88.710	-7.131	-37.554	-0.082314
		-1.999	0.912507	-4.685	5.635	22.217	1.021
.							
.							
24241	0	0.058607	0.344616	104.323	2.330	-26.327	-0.396922
		-2.135	-0.613597	3.729	-5.197	35.375	0.701493
.							
24241	1.150	-0.114880	0.590325	1.480	1.110	0.442693	0.006481
		-2.099	-0.096744	76.599	0.783239	91.476	-0.007341
.							
24241	2.300	0.084836	-0.010882	-92.467	-2.533	-37.795	-0.014131
		-2.131	0.031126	-1.069	4.212	31.558	0.030039
.							
.							
24251	0	0.055246	0.130002	104.682	-1.420	-26.910	-0.147298
		-2.120	-1.312	-0.913514	-3.023	43.654	1.520
.							
24251	1.150	-0.052247	0.613368	1.422	0.152085	0.619386	0.001348
		-2.117	-1.029	76.646	-1.426	91.709	0.008151
.							
24251	2.300	0.093472	0.034030	-92.454	2.072	-37.376	0.041756
		-2.142	-0.911575	1.141	2.129	38.183	-1.041
.							
.							
24261	0	0.106671	0.100877	103.554	-0.804981	-30.117	-0.108247
		-2.039	-1.886	-1.348	5.517	45.089	2.189
.							
24261	1.150	-0.020061	-0.460559	1.439	-1.114	0.515813	0.001942
		-2.032	-1.985	75.873	0.701926	86.825	0.023071
.							
24261	2.300	0.159283	-0.289280	-90.201	0.519855	-37.898	-0.319650
		-2.089	-1.797	1.624	-4.465	40.986	-2.049
.							
.							
24271	0	0.238340	-0.065820	102.370	-4.423	-30.657	0.093338
		-1.896	-2.564	4.820	7.671	32.897	2.980
.							
24271	1.150	-0.016324	-0.444201	1.484	-1.982	0.303194	0.004304
		-1.837	-2.840	75.707	-1.484	83.789	0.038481
.							
24271	2.300	0.279630	-0.238686	-87.921	5.075	-37.752	-0.261530
		-1.941	-2.669	-1.169	-6.457	31.361	-3.034
.							
.							
24281	0	0.466153	-0.122902	100.717	-7.770	-35.328	0.173052
		-1.701	-3.051	12.396	8.988	17.675	3.530
.							
24281	1.150	0.068347	-0.423427	1.575	-2.669	0.073108	0.025257
		-1.544	-3.399	75.723	-3.636	75.426	0.040871
.							
24281	2.300	-1.604	-3.460	-80.318	7.048	-36.457	-3.954
		0.287720	0.054363	-6.543	-5.255	19.283	0.077218
.							
.							
24291	0	0.261819	-0.301057	152.171	0.981702	-64.813	0.335720
		-1.789	-2.790	4.886	10.100	10.563	3.193

```
.
24291   1.150  0.379184 -0.279031    1.644   -3.126  0.038575  0.051919
                -1.451   -2.849     67.463  0.997654   54.947  0.019525
.
24291   2.300    -1.352   -2.964   -114.432   -1.909   -59.246    -3.376
              0.557724 -0.095646     -6.855   -7.338    13.232 -0.102062
.
.
24301       0  0.145421  0.194712   134.408 -0.663570   -63.096 -0.349139
              -0.759669 -0.286244     12.572   -9.284   -5.221  0.381627
.
24301   1.150    -1.062  0.272504    -1.073  0.009374    1.229 -0.105894
              0.298500 -0.312622    -47.938 -0.663318   27.870 -0.043981
.
24301   2.300 -0.590735 -0.039418    -80.913   -2.681   -46.875  0.015304
              0.021943  0.313322    -14.318   -3.160    -6.937  0.260605
.
.
24311       0  0.361505 -0.192939   134.742   -4.888   -54.753  0.200178
              -0.609783     1.436     4.746   -9.003    13.558    -1.632
.
24311   1.150    -1.294     1.651     3.574   -6.762    -5.215  0.026245
              0.739030  0.094719    -47.086   -1.975    37.863 -0.030150
.
24311   2.300 -0.614005     1.149    -80.029   -4.902   -36.874     1.334
              0.253906  0.127903    -17.303   -5.173    -4.332  0.131984
.
.
24321       0  0.210588 -0.149869   133.040   -2.813   -47.964  0.149373
              -0.546278     1.423    -1.298   -7.792    29.976    -1.618
.
24321   1.150 -0.886896     1.277    -3.913  -10.862   -8.477  0.045397
              0.426760  0.006870    -48.025 -0.393302   43.246 -0.039524
.
24321   2.300 -0.614771     1.030    -73.065   -4.539   -35.757     1.201
              0.203804  0.266008    -28.375   -3.375  0.835920  0.287665
.
.
24331       0 -0.626763  0.853839    36.237   -4.532   -27.418 -0.970626
              0.085645 -0.079539     2.704   -6.533    22.330  0.087850
.
24331   1.150 -0.629134  0.711094  -0.755968   -7.615   -13.763  0.018819
              0.130022  0.052698    -58.425   -3.966    61.886 -0.013578
.
24331   2.300 -0.574202  0.450557    -85.116   -6.920   -32.746  0.528082
              0.072264  0.302050    -30.562   -3.567     5.377  0.339249
.
.
24341       0 -0.587460  0.052539    37.219   -1.917   -29.130 -0.160068
              0.064644 -0.037399     -1.757   -4.958    31.884  0.042155
.
24341   1.150 -0.556334 -0.089047    -1.148   -3.502   -15.406  0.001016
              0.054268  0.100610    -58.994   -1.120    67.247 -0.003079
.
24341   2.300 -0.545295 -0.351126    -86.718   -2.667   -30.311 -0.405967
              0.029610  0.330373    -33.942   -3.409     7.013  0.380220
.
.
24351       0 -0.576153 -0.825109    36.500  0.838309   -27.009  0.946958
```

```
                0.071692  0.004092    -5.417   -2.592    39.470 -0.002383
.
24351   1.150 -0.550596 -0.969277    -2.330  0.845163   -14.480 -0.004183
              0.050570  0.147280    -58.261     1.739    67.609  0.003171
.
24351   2.300 -0.558332    -1.012   -86.297     1.732   -29.869    -1.167
              0.057543  0.144617    -37.273   -2.592     6.975  0.169860
.
.
24361       0 -0.535602    -1.986    37.622  0.810771   -27.744     2.284
              0.098556  0.020918    -6.086     5.264    42.271 -0.019562
.
24361   1.150 -0.536747    -2.160 -0.753329     2.408   -13.582 -0.004336
              0.113101  0.196684    -57.099 -0.682632    63.170  0.010812
.
24361   2.300 -0.511263    -1.881   -84.781  0.824278   -32.182    -2.163
              0.097522  0.181877    -38.308     3.744     7.442  0.215760
.
.
24371       0 -0.431699    -2.754    38.037     3.217   -29.522     3.171
              0.167278  0.074451    -1.656     7.539    31.686 -0.075337
.
24371   1.150 -0.464724    -2.919     1.020     6.309   -13.847  0.001782
              0.240821  0.246937    -57.483     2.139    60.258  0.016460
.
24371   2.300 -0.377664    -2.505   -84.146     5.078   -33.231    -2.874
              0.155913  0.075327    -34.935     4.579     4.699  0.095002
.
.
24381       0  0.416314  0.276074   125.031     7.319   -29.206 -0.297918
              -0.340569    -3.160     4.749     6.489    19.398     3.637
.
24381   1.150 -0.270062    -3.344     1.710     9.709   -11.288  0.024579
              0.399388  0.265391    -56.067     4.904    52.742  0.012001
.
24381   2.300 -0.151530    -2.971   -81.062     9.038   -35.409    -3.395
              0.227275  0.086913    -31.447     4.770  0.460790  0.100577
.
.
24391       0  0.423417  0.090538   137.535     2.163   -60.869 -0.098915
              -0.072465    -2.738     4.360     9.009    14.417     3.146
.
24391   1.150  0.097267    -2.692    -1.465    11.988    -4.783  0.032520
              0.318519 -0.031115    -44.360 -0.743190    34.892 -0.008003
.
24391   2.300  0.003386    -2.728   -77.224     2.172   -36.549    -3.132
              0.199638  0.058644    -18.771     6.747    -4.297  0.061444
.
.
24401       0 -0.971192 -0.445354    35.248    -3.607   -21.402  0.322898
              -0.108011  0.242991    15.044    -8.490    -9.111 -0.423735
.
24401   1.150    -1.300 -0.323703     2.548    -2.291 -0.957586 -0.325221
              0.424310 -0.073768     1.725    -4.922     1.785  0.093294
.
24401   2.300    -1.032 -0.035917   -29.717    -8.879   -14.935 -0.232023
              0.160849 -0.038653   -12.424    -3.662    -6.056 -0.070042
.
.
```

```
.
24411       0 -0.454906     1.500    43.325    -9.889   -28.846    -1.578
              0.138194 -0.020846    14.589   -11.000    -4.491  0.007715
.
24411   1.150 -0.798980     1.661     8.706    -8.531    -3.429  0.183254
              0.482268 -0.181486     3.065   -12.357    10.160 -0.052023
.
24411   2.300 -0.326381     1.500   -28.156   -17.733    -6.241     1.858
             -0.020982 -0.058036    -5.709    -6.647    -1.019 -0.061602
.
.
24421       0  0.471717     1.171    32.860    -6.702   -25.763    -1.276
              0.123758  0.038011    21.560   -10.742     1.829 -0.071415
.
24421   1.150  0.487999     1.168     8.446    -6.561    -3.011  0.072485
              0.107476  0.041218 -0.170529   -10.884    15.125 -0.028805
.
24421   2.300  0.589113     1.167   -30.073   -14.925    -6.011     1.386
              0.016117  0.003942    -6.360    -4.948 -0.854181  0.007885
.
.
24431       0  0.782468  0.574891    31.426    -5.205   -23.378 -0.654051
             -0.009433  0.143348    18.830    -8.434     7.408 -0.172783
.
24431   1.150  0.803104  0.556802     7.165    -5.103    -2.630  0.007658
             -0.030069  0.161437    -3.053    -8.536    17.919 -0.008551
.
24431   2.300  0.818915  0.585603   -27.662   -10.473    -5.005  0.670892
             -0.069657  0.432341   -12.330    -1.011 -0.757345  0.492825
.
.
24441       0  0.815023 -0.124404    31.686    -2.810   -24.204  0.140749
             -0.030297  0.220121    17.438    -5.345     9.631 -0.255287
.
24441   1.150  0.837526 -0.128197     7.543    -2.747    -3.340 -0.002375
             -0.052801  0.223914    -4.563    -5.408    18.727 -0.002093
.
24441   2.300  0.813903 -0.059257   -28.994    -4.924    -5.798 -0.072256
             -0.063655  0.492342   -12.710 -0.465089 -0.751329  0.563541
.
.
24451       0  0.797283 -0.637664    31.756 -0.131993   -24.493  0.738549
             -0.016550  0.122093    17.967    -1.576     7.439 -0.140493
.
24451   1.150  0.817832 -0.644688     7.657 -0.107652    -3.612  0.005120
             -0.041246  0.112860    -2.167  0.790731    18.093 -0.001604
.
24451   2.300  0.794754 -0.671954   -34.898    -1.627    -6.649 -0.766842
             -0.049354  0.472524   -12.840  0.075132 -0.755563  0.541118
.
.
24461       0  0.821385    -1.280    31.924     2.543   -24.646     1.490
             -0.011706  0.167086    17.596     5.707     8.026 -0.193440
.
24461   1.150  0.844000    -1.194     7.793     2.560    -3.531  0.016617
             -0.046016  0.064440    -1.943     2.654    18.164 -0.000487
.
24461   2.300  0.817185    -1.295   -35.307     6.281    -6.894    -1.473
             -0.047331 -0.162390   -12.730  0.423625 -0.748026 -0.185139
.
```

```
.
24471       0  0.888521    -1.765    31.338     5.050   -23.160     2.054
              0.004995  0.135398    18.504     9.537     7.196 -0.151446
.
24471   1.150  0.912477    -1.774     6.328     8.007    -3.431  0.022277
             -0.004377  0.164343    -3.411     9.587    17.378  0.005733
.
24471   2.300  0.880478    -1.835   -34.490    10.708    -5.606    -2.084
             -0.029107 -0.172759   -12.364  0.929854 -0.748521 -0.191625
.
.
24481       0  0.857601    -2.183    31.406    12.337   -24.212     2.503
              0.142535  0.221533    21.210    12.419     2.041 -0.227133
.
24481   1.150  0.831769    -2.237     7.045    12.251    -3.209 -0.014848
              0.168368  0.275514 -0.573741    12.505    15.012  0.034532
.
24481   2.300  0.916246    -2.261   -31.959    14.045    -4.606    -2.587
             -0.002994  0.035315   -11.795     1.450 -0.888807  0.055689
.
.
24491       0  0.464894    -2.218    42.540     6.557   -26.072     2.472
              0.252468  0.176053    14.317    13.024    -4.104 -0.176596
.
24491   1.150  0.029835    -2.360     7.993     5.259    -1.684 -0.125116
              0.687526  0.317455     2.720    14.323    10.360  0.071680
.
24491   2.300  0.500865    -2.213   -27.230    16.339    -6.447    -2.628
              0.152098  0.181120    -6.361     3.451 -0.142072  0.226551
.
.
24501       0  0.680065  0.576532   117.669    -5.101   -61.113 -0.828596
             -0.650291 -0.000531    12.380    -3.671    -5.712  0.019661
.
24501   1.150  0.767015  0.651332    -3.250    -7.096    -1.504 -0.292118
             -0.077043  0.619980   -63.733    -6.741    33.663 -0.180874
.
24501   2.300  0.698826  0.537624   -97.025    -5.175   -59.872  0.457843
             -0.642938  0.123974   -15.085   -16.739    -8.841  0.139051
.
.
24601       0  0.265362  0.606696   150.619     4.741   -67.535 -0.618205
               -1.334 -0.189421    14.316    -3.251    -6.713  0.419189
.
24601   1.150  0.379498     1.475     1.433 -0.146342  0.880689 -0.066313
               -1.014  0.142609    76.198    -2.420    47.702  0.082220
.
24601   2.300    -1.014  0.142609  -106.148    -2.420   -55.766  0.246214
              0.285660  0.409895   -12.299 -0.094438    -5.211  0.437805
.
.
24701       0  0.367000 -0.180268   134.485     2.769   -62.951  0.193404
             -0.872501  0.291380    12.724  0.050772    -5.109 -0.363434
.
24701   1.150 -0.550570  0.554627 -0.933348     1.541     1.432 -0.221814
              0.367000 -0.180268   -47.861     2.769    28.103 -0.013896
.
24701   2.300 -0.502480 -0.210942   -80.571 -0.405244   -46.154 -0.398043
              0.187119  0.597420   -14.278     3.186    -6.760  0.684445
```

```
.
.
24801       0 -0.560642 -0.183161   34.946   15.025  -20.206  0.086779
              0.209301  0.268743   14.928    8.561   -8.657 -0.325442
.
24801   1.150 -0.854100  0.004130    2.164    2.043 -0.156768 -0.002117
              0.461422  0.060212    1.482    9.903    2.064 -0.113967
.
24801   2.300 -0.654541 -0.332168  -29.875    5.268  -14.419 -0.476234
              0.280214 -0.009595  -12.480    3.663   -5.876 -0.043974
.
.
25101       0  0.930401  0.656812  115.035    6.576  -60.232 -0.482458
             -0.525845  0.320247   11.136    2.604   -5.176 -0.352304
.
25101   1.150 -0.522559  0.653502   -2.377    2.311   -1.410 -0.355060
             -0.253245  0.557649  -63.184    4.289   33.608  0.037147
.
25101   2.300     1.007  0.824814  -92.968    6.575  -57.354     1.239
             -0.609426 -0.080349  -13.361    7.391   -7.761 -0.101794
.
.
25111       0     1.190  0.552820   95.763    6.867  -19.880 -0.704351
             -1.732     1.792     3.571    5.717 -0.260346    -2.210
.
25111   1.150 -0.465807  0.015428   -9.303    6.931   -4.085  0.037742
             -0.076499     2.330  -82.734    5.653   51.887 -0.254731
.
25111   2.300     1.220  0.581467 -112.240    6.864  -61.328  0.599183
             -0.776757     1.989   -9.142    6.079    6.809     2.073
.
.
25121       0  0.494554  0.397000   98.638    4.905  -16.872 -0.514398
             -2.534     1.604     18.491    5.236    6.161    -1.950
.
25121   1.150 -0.086924  0.125277   -8.914    5.239   -3.630  0.029118
             -2.289     1.759   -79.512    3.855   58.606 -0.142531
.
25121   2.300  0.380055  0.317531 -100.983    3.903  -52.361  0.321663
             -2.419     1.684   -14.631    6.238   20.893     1.816
.
.
25131       0  0.180164  0.239464  110.329    5.302  -15.118 -0.282339
             -3.196  0.991863     13.505    1.142    6.146    -1.168
.
25131   1.150  0.039158  0.127478   -4.857    8.247   -1.940  0.006770
             -3.106  0.984262   -67.560    4.508   74.152 -0.020454
.
25131   2.300  0.151463  0.187941  -90.156    4.581  -25.764  0.213017
             -3.205  0.924587   -11.925    4.089   20.927     1.046
.
.
25141       0  0.142856  0.219763  110.603    2.427  -10.204 -0.252716
             -3.312  0.272484     23.483    3.067 0.961230 -0.309274
.
25141   1.150  0.053784  0.123794   -4.446    3.928   -2.253  0.000300
             -3.220  0.370938   -67.130    1.955   79.599  0.002669
.
25141   2.300  0.131582  0.180694  -90.450    2.020  -21.520  0.207849
```

```
             -3.300  0.311553   -8.207    3.473   30.519  0.362283
.
.
25151       0  0.127680  0.225804  113.746 -0.434707  -14.811 -0.260898
             -3.298 -0.292167   22.948    2.264    6.674  0.338288
.
25151   1.150  0.044347  0.117092   -3.234 -0.616503 -0.611353 -0.000158
             -3.237 -0.183504  -63.945 -0.550651   78.666 -0.002254
.
25151   2.300  0.112684  0.126406  -87.516 -0.546416  -19.373  0.143625
             -3.283 -0.192769   -8.532    2.376   35.478 -0.218864
.
.
25161       0  0.128706  0.158786  111.829  0.348088  -14.865 -0.179021
             -3.322 -0.750827   23.835   -2.333    6.844  0.853474
.
25161   1.150  0.030672  0.042997   -4.468   -2.061   -1.442 -0.000181
             -3.259 -0.730870  -65.938  0.616326   76.293 -0.004363
.
25161   2.300  0.113595  0.063464  -89.264  0.565549  -23.471  0.076069
             -3.307 -0.655505   -7.814   -2.551   37.323 -0.763256
.
.
25171       0  0.141332  0.183679  107.421   -2.585   -9.865 -0.211283
             -3.375   -1.387   14.072 -0.338432    7.109    1.591
.
25171   1.150  0.028760  0.047372   -6.051   -6.120   -3.040 -9.36E-05
             -3.288   -1.241  -70.544   -2.002   75.939 -0.006937
.
25171   2.300  0.126589  0.090006  -93.117   -2.049  -27.405  0.103228
             -3.365   -1.190   -8.747   -3.596   29.595   -1.376
.
.
25181       0  0.097971  0.217333  105.485   -5.424  -13.661 -0.259558
             -3.244   -1.818   19.284   -3.338 0.469585    2.124
.
25181   1.150  0.018808  0.043330   -8.594   -4.597   -3.332 -0.001851
             -3.171   -1.748  -72.780   -4.593   69.477 0.028540
.
25181   2.300  0.081211  0.065516 -101.140   -2.521   -48.653  0.072629
             -3.236   -1.722  -13.880   -4.161   17.262   -1.947
.
.
25191       0 -0.036868  0.181538   81.286   -3.243   -3.184 -0.230983
             -2.272   -2.289   19.224   -7.696    9.880    2.795
.
25191   1.150 -0.017457  0.049558  -10.712   -6.273   -4.545 -0.006427
             -2.257   -2.239  -89.638   -4.400   60.568 0.158996
.
25191   2.300    -2.233   -2.319 -119.076   -5.503   -60.142   -2.504
          -0.075096  0.210981  -13.157   -5.437    7.857 0.219572
.
.
25201       0  0.610695     1.052  147.362   -1.645   -66.085   -1.095
             -0.870304 -0.295348   12.841    5.944   -6.118 0.352194
.
25201   1.150  0.302677  0.311544    1.434 0.140701 0.808186 0.049211
             -0.700554  0.503010   76.018 0.422705   47.247 0.037663
.
```

```
25201   2.300 -0.835892  0.079987 -102.982   -1.811   -54.506  0.071361
                0.309825  0.853290  -11.067    2.347    -4.619     1.046
.
.
25211       0  0.269976  0.484189  146.685   -3.474   -59.736 -0.553843
               -0.742560     1.253    5.036   -8.643     8.093    -1.482
.
25211   1.150  0.379911  0.348700    1.357    2.338 -0.064642 -0.033571
               -0.417546     1.312   68.250    1.247    56.336 -0.055536
.
25211   2.300 -0.593027     1.265 -110.446    3.370   -55.085     1.400
                0.376017  0.202232   -5.891    6.368    10.496  0.224717
.
.
25221       0  0.172459  0.325599  134.327 -0.332351   -52.353 -0.380479
                  -1.212     1.275    5.486   -8.594    23.257    -1.525
.
25221   1.150  0.041805  0.255999    1.285    2.011 -0.127813 -0.017300
                  -1.056     1.387   68.653 0.257391    60.923 -0.077540
.
25221   2.300    -1.221     1.410 -109.476    2.018   -49.903     1.556
                0.224731  0.055582   -2.705    5.491    22.771  0.051605
.
.
25231       0  0.091911  0.161394   99.470    4.953   -33.159 -0.189326
                  -1.748  0.792408    7.920   -5.351    21.246 -0.944573
.
25231   1.150 -0.032491  0.258934    1.155    1.532 -0.030768 -0.003508
                  -1.703  0.895303   76.193    2.772    77.535 -0.036592
.
25231   2.300  0.178917  0.094573  -80.524   -4.544   -36.596  0.101326
                  -1.814  0.900103   -5.126    3.393    18.571     1.005
.
.
25241       0  0.061976  0.154695   99.581    2.010   -29.289 -0.180220
                  -1.953  0.138680    2.657   -4.158    30.921 -0.170339
.
25241   1.150 -0.029083  0.270090    1.043 0.920882  0.250971  0.000480
                  -1.933  0.216912   75.455 0.874319    82.403 -0.012663
.
25241   2.300  0.117131  0.132014  -83.478   -1.330   -36.639  0.146327
                  -1.990  0.223154   -2.540    2.831    25.786  0.247398
.
.
25251       0  0.035418  0.060923  100.325   -1.052   -30.169 -0.070957
                  -2.009 -0.507240 -0.892007   -2.254    37.445  0.582843
.
25251   1.150 -0.012550  0.285381  0.939604 0.231888  0.472912  0.000371
                  -2.016 -0.542369   75.928   -1.037    82.701 -0.001441
.
25251   2.300  0.077842  0.207872  -85.800    1.868   -36.705  0.235952
                  -2.048 -0.579904  0.364126    1.738    30.428 -0.667324
.
.
25261       0  0.019172  0.067667   98.933 -0.610840   -31.949 -0.078167
                  -2.028    -1.191   -1.665    4.708    39.334     1.373
.
25261   1.150 -0.000868  0.300244  0.810575 -0.471786  0.676001 -0.000301
                  -2.050    -1.328   74.817 0.532803    79.027  0.005763
.
25261   2.300  0.064260  0.111188  -81.893  0.112718   -36.501  0.127384
                  -2.057    -1.311 -0.894226    -2.957    32.951    -1.502
.
.
25271       0  0.016723  0.084468   96.992   -3.575   -30.884 -0.097784
                  -2.000    -1.932    3.185    6.561    29.929     2.238
.
25271   1.150  0.004330  0.311004  0.639990   -1.124 0.861215 -0.001200
                  -2.007    -2.068   73.743   -1.378    76.992  0.018512
.
25271   2.300  0.057191  0.143283  -79.978    3.235   -35.777  0.162213
                  -2.014    -2.060   -2.512   -4.029    25.975    -2.350
.
.
25281       0  0.015347  0.113505  133.590  0.617972   -49.752 -0.133639
                  -1.816    -2.538    9.859    7.688    17.281     2.960
.
25281   1.150 -0.002671  0.310661  0.420973   -1.658     1.039 -0.003053
                  -1.805    -2.669   73.528   -3.260    70.684  0.044270
.
25281   2.300  0.007590  0.040500 -111.021   -1.942   -50.008  0.044643
                  -1.805    -2.633   -5.713   -4.589    16.342    -2.982
.
.
25291       0 -0.032767  0.161072  148.631    3.838   -59.742 -0.192872
                  -1.335    -2.888    5.672    8.677     8.712     3.396
.
25291   1.150    -1.330    -2.737 0.033556   -2.043     1.209  0.076582
                -0.024321  0.111854   64.076   -1.254    59.218 -0.004718
.
25291   2.300    -1.315    -2.949 -115.141   -3.435   -57.635    -3.312
                -0.009409  0.109566   -8.194   -6.279     9.369  0.123351
.
.
25301       0  0.121034  0.233878  131.390    1.810   -61.769 -0.354236
                -0.792154 -0.026435   11.408  -10.406    -4.655  0.041825
.
25301   1.150    -1.135  0.815709 -0.809153 -0.024649     1.264 -0.143682
                 0.252138 -0.193269   -47.610 -0.423422    27.652 -0.026907
.
25301   2.300 -0.548734 -0.190787   -77.107   -2.553   -44.565 -0.162905
                -0.127776     1.017   -12.790   -2.233    -6.053     1.035
.
.
25311       0  0.462628  0.030017  132.636   -4.038   -56.039 -0.047155
                -0.739542     1.029    4.448   -7.860    10.832    -1.163
.
25311   1.150    -1.301     1.577    3.805   -5.125    -4.488  0.026486
                 0.628785 -0.012421   -46.060   -1.915    35.900 -0.013070
.
25311   2.300 -0.541618     1.025  -75.432   -4.082   -35.292     1.193
                 0.146400  0.062174  -15.852   -4.625    -4.882  0.065245
.
.
25321       0  0.302122 -0.115983  131.095   -2.398   -50.682  0.114205
                -0.576148     1.206 -0.736458   -6.769    24.166    -1.369
.
25321   1.150 -0.859410     1.314   -2.470   -8.462   -7.892  0.040287
```

```
                0.462562 -0.088533   -47.034 -0.637801    40.004 -0.031355
.
25321    2.300 -0.497655    1.053    -68.991   -3.697    -34.232    1.222
               0.137401  0.066887   -26.435   -3.251     -2.362  0.068574
.
.
25331        0 -0.546995  0.906768    31.766   -5.000    -26.487   -1.029
               0.049871 -0.032340     3.221   -4.191     18.724  0.032035
.
25331    1.150 -0.584996  0.905662  0.798596   -5.962    -12.860  0.018806
               0.138392 -0.051561   -56.813   -3.646     54.413 -0.013083
.
25331    2.300 -0.514834  0.649577   -80.096   -5.826    -34.001  0.755254
               0.055291  0.089103   -28.643   -3.292    0.507013  0.096501
.
.
25341        0 -0.496982  0.287561    32.419   -2.337    -28.189 -0.330352
               0.015134 -0.009900 -0.134426   -3.474     26.180  0.009538
.
25341    1.150 -0.498308  0.279650  0.687926   -2.790    -14.524  0.002709
               0.044146 -0.015140   -57.247   -1.201     58.762 -0.005774
.
25341    2.300 -0.492842  0.025433   -81.374   -2.337    -31.992  0.028036
               0.008741  0.106912   -31.481   -3.013      1.532  0.120575
.
.
25351        0 -0.515956 -0.475299    33.515  0.482545    -26.310  0.543665
               0.014687  0.052121    -4.423   -2.119     31.852 -0.060798
.
25351    1.150 -0.490084 -0.449680 -0.370419  0.583600    -13.779 -0.002562
               0.003170  0.018081   -56.953    1.263     59.132 -0.002075
.
25351    2.300 -0.511237 -0.600542   -81.350    1.278    -31.918 -0.693351
              -0.001505  0.024243   -33.754   -2.174      2.014  0.026753
.
.
25361        0 -0.506665    -1.259    32.828    1.365    -26.391    1.444
               0.003077  0.020201    -3.356    3.611     34.377 -0.023745
.
25361    1.150 -0.490131    -1.285  0.956642    1.967    -12.471 -0.003061
              -0.020053  0.052284   -55.446 -0.494789     55.901  5.02E-05
.
25361    2.300 -0.514134    -1.353   -79.562  0.648857    -32.799    -1.559
              -0.003852  0.038330   -34.690    3.113      2.407  0.043618
.
.
25371        0 -0.499538    -1.973    33.883    3.885    -27.919     2.261
              -0.002400  0.036023 -0.153165    4.947     26.362 -0.041126
.
25371    1.150 -0.485287    -2.009     2.637    4.980    -12.276 -0.008865
              -0.019284  0.073751   -54.917    1.951     54.024  0.001157
.
25371    2.300 -0.503125    -2.076   -78.166    4.149    -32.202    -2.396
              -0.012457  0.063902   -21.625  0.566167   0.853426  0.074098
.
.
25381        0 -0.570373    -2.595   132.506    2.285    -50.684     2.962
               0.001587  0.011507     4.039    5.660     16.449 -0.011979
.
```

```
25381    1.150 -0.562821    -2.587     3.246     7.601    -9.650 -0.025204
              -0.005373  0.087417   -53.273     4.345    48.456  0.002994
.
25381    2.300 -0.566163    -2.652   -75.044     7.435   -32.799    -3.073
               0.001285  0.068514   -28.670     4.340    -1.786  0.081306
.
.
25391        0  0.020485  0.131086   136.322     4.061   -57.654 -0.145975
              -0.819049    -2.930     6.024     7.703    10.351     3.319
.
25391    1.150  0.001716  0.117230     5.842     5.238    -4.727  0.001641
              -0.811351    -2.889   -42.896     1.880    38.556 -0.048273
.
25391    2.300 -0.819426    -2.900   -71.682     4.030   -28.321    -3.384
               0.025365  0.103641   -16.309     5.982    -3.312  0.123267
.
.
25401        0 -0.879179 -0.151950    31.278    -3.246   -18.054  0.079452
              -0.095570  0.411482    13.345    -5.563    -7.749 -0.560034
.
25401    1.150    -1.139  0.045217     1.886    -1.970 -0.197882 -0.170567
               0.382430  0.165388     1.336    -3.829     1.909  0.063543
.
25401    2.300 -0.990124  0.278736   -26.942    -7.452   -13.059  0.196958
               0.169790 -0.107067   -11.224    -2.623    -5.322 -0.137190
.
.
25411        0 -0.454564     1.346    39.223    -7.918   -26.565    -1.433
               0.105945 -0.049461    13.426    -9.007    -4.962  0.044725
.
25411    1.150 -0.820643     1.540     8.169    -6.501    -3.158  0.141900
               0.472023 -0.243274     3.108   -10.425     8.386 -0.039574
.
25411    2.300 -0.435622     1.330   -24.349   -14.290    -5.811     1.638
               0.051417 -0.060234    -4.705    -5.287 -0.637237 -0.070049
.
.
25421        0  0.365780     1.198    30.087    -5.276   -24.105    -1.311
               0.122917 -0.071703    20.559    -9.007    -1.362  0.060570
.
25421    1.150  0.377436     1.216     8.244    -5.072    -3.021  0.067642
               0.111261 -0.090273     1.030    -9.211    12.007 -0.023163
.
25421    2.300  0.458233     1.113   -25.592   -12.138    -5.360     1.327
               0.035826 -0.025598    -4.977    -4.022 -0.407554 -0.027936
.
.
25431        0  0.727985  0.701140    27.918    -7.996   -21.544 -0.788969
              -0.007041  0.002882    13.647    -7.080     2.453 -0.000738
.
25431    1.150  0.745392  0.709166     6.188    -7.801    -3.281  0.007459
              -0.024448 -0.005145 -0.993727    -7.275    13.951 -0.006634
.
25431    2.300  0.716046  0.672923   -28.883    -8.069    -4.159  0.776249
              -0.056265  0.283422   -10.890 -0.901346 -0.629478  0.324306
.
.
25441        0  0.766149  0.171361    27.674    -4.033   -21.564 -0.201780
              -0.037229  0.042408    17.684    -4.523     3.820 -0.049781
```

```
.
25441   1.150  0.784262  0.173101     6.059    -3.842    -3.779 -0.004663
              -0.060663  0.060915 -0.508224    -2.634    14.835 -0.001054
.
25441   2.300  0.737990  0.149552   -29.805    -5.186    -4.984  0.167549
              -0.048860  0.298761   -11.219 -0.515735 -0.592990  0.343218
.
.
25451       0  0.750193 -0.176364    28.465 -0.501596   -21.250  0.202065
              -0.025462 -0.006512    19.014  0.249263     2.749  0.006217
.
25451   1.150  0.772206 -0.243353     6.926 -0.341203    -2.672 -0.000570
              -0.069451  0.106703  0.244189 -0.496370    15.124  8.44E-05
.
25451   2.300  0.728318 -0.379569   -29.246    -1.725    -5.728 -0.435525
              -0.039899  0.289159   -11.383 -0.145924 -0.574084  0.331714
.
.
25461       0  0.767190 -0.706435    28.534     1.163   -21.142  0.818755
              -0.035975  0.016332    19.013     1.767     3.093 -0.019434
.
25461   1.150  0.780922 -0.815423     5.804     2.164    -2.785  0.007946
              -0.055312  0.022505 -0.860332     1.569    15.382 -0.000799
.
25461   2.300  0.752270 -0.914218   -29.691     4.253    -5.889    -1.043
              -0.037664  0.283313   -11.369  0.219540 -0.535843  0.324993
.
.
25471       0  0.804525    -1.323    28.584     5.639   -22.547     1.531
              -0.040968  0.020654    18.266     7.336     2.794 -0.023420
.
25471   1.150  0.824540    -1.333     7.088     5.844    -3.897  0.008736
              -0.060307  0.040555 -0.044532     2.855    14.892  3.50E-05
.
25471   2.300  0.792167    -1.419   -29.575     7.715    -4.554    -1.623
              -0.038774  0.281369   -11.175  0.558052 -0.457533  0.322531
.
.
25481       0  0.706862    -1.303    29.399     4.165   -22.105     2.052
              -0.030589  0.035254    20.390     9.716 -0.278030 -0.037420
.
25481   1.150  0.723329    -1.323     7.363     9.035    -2.843 -0.023170
              -0.046591  0.057450     1.669     3.870    13.646  0.003739
.
25481   2.300  0.695617    -1.399   -27.723    10.336    -2.646    -2.205
              -0.022069  0.283585   -10.791  0.844054 -0.297573  0.329612
.
.
25491       0  0.050146  0.156263    40.695     6.730   -26.169 -0.163563
              -0.036971    -2.255    14.334     1.731    -4.487     2.465
.
25491   1.150 -0.015354    -2.190     9.272     5.790    -2.949 -0.124974
               0.032214  0.070233     4.855    11.002    12.072  0.014325
.
25491   2.300 -0.029960    -2.259   -14.479     9.835 -0.439581    -2.721
               0.047419  0.135726   -17.578    12.322     1.068  0.169962
.
.
25501       0 -0.363629  0.220115    15.395 -0.489229  0.632577 -0.282438
```

```
              0.042068    -1.982     8.463    -8.292    13.992     2.541
.
25501   1.150 -0.174733  0.101126   -15.139    -5.772    -4.495 -0.014415
              0.071424    -1.998  -101.430    -6.349    56.829  0.259608
.
25501   2.300  0.071424    -1.998  -130.431    -6.349   -76.486    -2.038
             -0.306254  0.204162   -15.557 -0.709856    -6.502  0.210898
.
.
25601       0 -0.155171  0.220626   161.498     7.004   -77.107 -0.267241
             -0.422797    -2.534     6.441    -9.096     3.068     3.026
.
25601   1.150 -0.531378    -2.309    -1.441    -2.206     1.325  0.101899
             -0.087835  0.129334    60.512    -1.762    54.939 -0.007362
.
25601   2.300 -0.449317    -2.524  -114.484    -5.815   -68.285    -2.793
             -0.183588  0.250412   -11.165    11.104     4.802  0.272795
.
.
25701       0  0.088665  0.193487   136.666     6.563   -68.991 -0.213679
              -1.402    -2.491     17.901    -1.716    -3.897     2.780
.
25701   1.150  0.035752  0.133103     9.311     5.702    -2.973  0.004527
              -1.348    -2.411   -38.330     2.510    34.741 -0.078838
.
25701   2.300    -1.376    -2.477   -67.363     2.459   -26.049    -2.930
             0.084802  0.178833    -5.609    10.624     3.624  0.214016
.
.
25801       0  0.259516  0.125351    46.845     7.344   -33.660 -0.121473
              -1.813    -1.857     15.185     1.818    -4.945     1.951
.
25801   1.150    -1.820    -1.870    12.571     5.174    -2.355 -0.184443
             0.266228  0.138636     8.087     3.988    11.294  0.023244
.
25801   2.300    -1.761    -1.848   -15.230  0.687143  0.839867    -2.304
             0.223524  0.106972    -6.357    12.857    13.107  0.142880
.
.
.ID GWS3KZ,STATIK2,1.58
.UN  M,KN
.EL !LLOSA.001
.SK 3
.TP 12
.TK 6
ENVOLVENTE para < Vz > (y valores concomitantes)
(1. l¡nea: MIN., 2. l¡nea: MAX.)

Barra  Distancia        N         Vy         Vz         Mx         My         Mz
          [m]        [kN]       [kN]       [kN]      [kNm]      [kNm]      [kNm]
-------------------------------------------------------------------------------
21101       0  0.275749     2.076    -3.530     7.018     6.777    -2.668
             -0.379057 -0.179057    78.332     5.103     5.826  0.241121
.
21101   1.150  0.071441     1.998  -101.430     6.349    56.829 -0.259608
             -0.312916 -0.207453    -3.195  0.721530     4.276  0.024435
.
21101   2.300  0.071441     1.998  -130.431     6.349   -76.486     2.038
             -0.312916 -0.207453   -15.566  0.721530    -6.512 -0.214126
```

```
.
.
21111       0    -2.225     2.407     1.646     6.363  0.682204    -2.946
                -0.049176 -0.217600    89.376     4.311    -3.042  0.275792
.
21111   1.150    -2.233     2.321   -90.076     5.503    60.116 -0.162891
                -0.091869 -0.222393     2.689     5.062    13.559  0.021402
.
21111   2.300    -2.233     2.321  -119.076     5.503   -60.142     2.506
                -0.091869 -0.222393    -9.682     5.062     9.538 -0.234339
.
.
21121       0    -3.252     1.889     3.776     4.628 -0.559570    -2.208
                 0.089695 -0.128308    99.176     2.482   -12.308  0.151545
.
21121   1.150    -3.190     1.867   -81.110     2.553    56.137 -0.035360
                 0.054291 -0.192714     7.176     5.129    27.453  0.008632
.
21121   2.300    -3.182     1.832  -109.567     3.402   -47.768     2.073
                 0.046421 -0.158441    -5.738     4.280    22.549 -0.174519
.
.
21131       0  0.031728 -0.051070     7.859     7.578    -3.194  0.058637
                -3.299     1.212   112.255     3.039   -14.285    -1.385
.
21131   1.150  0.116388 -0.118682   -69.287     3.087    67.847  0.002805
                -3.373     1.183     9.861     3.054    23.203  0.006713
.
21131   2.300  0.129241 -0.151645   -96.787     3.650   -20.451 -0.171536
                -3.386     1.216    -4.010     2.490    19.377     1.404
.
.
21141       0  0.031937 -0.047697     8.121     3.264    -4.178  0.054846
                -3.244  0.701299   112.336  0.509670    -9.705 -0.799611
.
21141   1.150  0.129419 -0.093026   -69.960  0.560448    71.670 -0.000601
                -3.327  0.649038    13.338     2.442    28.000  0.007507
.
21141   2.300  0.141792 -0.126043   -96.904  0.806931   -16.196 -0.145746
                -3.340  0.682055    -1.090     2.195    26.966  0.792040
.
.
21151       0  0.036914 -0.044900     9.133    -1.279    -4.008  0.052065
                -3.232  0.175369   115.103    -1.984   -14.458 -0.204398
.
21151   1.150  0.114101 -0.070076   -67.440    -1.957    69.814 -0.003151
                -3.286  0.100049    12.715     1.309    32.887  0.002057
.
21151   2.300  0.126568 -0.104809   -94.213    -2.037   -14.784 -0.124036
                -3.298  0.134782    -1.883     1.389    30.767  0.157409
.
.
21161       0  0.058468 -0.126875     7.716    -2.715    -3.481  0.145718
                -3.238 -0.394223   112.557 -0.817887   -14.735  0.453320
.
21161   1.150  0.114098 -0.203970   -69.734 -0.883027    66.902  0.002592
                -3.281 -0.328616    13.270    -3.599    33.647 -0.005774
.
21161   2.300  0.126733 -0.244058   -96.715    -1.290   -20.810 -0.277935
```



```
                -3.293 -0.288528    -1.120    -3.193    32.640 -0.337696
.
.
21171       0  0.043693 -0.134737     5.977    -6.779    -3.431  0.147856
                -3.093    -1.011   107.618    -3.461   -10.198     1.187
.
21171   1.150  0.164417 -0.214487   -73.947    -3.534    66.625  0.007209
                -3.187 -0.950404    12.093    -4.652    26.453  0.018644
.
21171   2.300  0.195676 -0.268763  -101.497    -4.254   -27.232 -0.297842
                -3.218 -0.896128    -1.728    -3.931    25.394    -1.016
.
.
21181       0 -0.091467 -0.120870     5.290   -10.362    -2.481  0.112200
                -2.348    -1.702   105.482    -6.074   -15.459     2.082
.
21181   1.150  0.321857 -0.260663   -74.958    -6.122    60.307  0.024924
                -2.535    -1.616     7.003    -5.223    19.204  0.109237
.
21181   2.300  0.441659 -0.344536  -103.372    -7.122   -36.758 -0.356542
                -2.655    -1.532    -5.955    -4.223    14.336    -1.667
.
.
21191       0 -0.316703 -0.077505     3.464    -4.165  0.446765  0.061951
                -0.946774    -2.060    97.485    -4.153   -25.207     2.574
.
21191   1.150  0.599765 -0.529509   -82.021    -5.363    46.903  0.027943
                -1.153    -1.780     1.699    -4.303     7.458  0.195847
.
21191   2.300  0.599765 -0.529509  -111.021    -5.363   -64.091 -0.580968
                -1.153    -1.780   -10.672    -4.303     2.299    -1.851
.
.
21201       0 -0.421606     2.531     7.053     8.937     2.134    -3.023
                -0.155162 -0.220628   161.498    -7.004   -77.107  0.267243
.
21201   1.150 -0.470830     2.513   -23.177    -2.647    20.137 -0.108587
                -0.115694 -0.195301    60.544     1.711    54.938  0.010151
.
21201   2.300 -0.475497     2.488  -120.870     4.118   -68.115     2.753
                -0.165567 -0.229701    -5.256    -9.237     4.219 -0.250870
.
.
21211       0    -1.336     2.908     5.257    -6.633     8.083    -3.420
                -0.039680 -0.202182   148.845    -5.989   -58.868  0.241260
.
21211   1.150    -1.308     2.987   -30.893    -1.972    22.351 -0.079041
                -0.030708 -0.171599    64.076     1.254    59.218  0.005865
.
21211   2.300    -1.314     2.952  -115.141     3.435   -57.635     3.316
                -0.008268 -0.116372    -6.944     6.324    10.321 -0.131028
.
.
21221       0    -1.806     2.632    -3.033    -7.518    24.164    -3.068
                 0.019141 -0.167231   141.573    -1.922   -48.804  0.196378
.
21221   1.150    -1.799     2.653   -38.199    -3.724    31.288 -0.042692
                 0.004976 -0.071109    69.138     3.481    55.252  0.000886
.
```

```
21221   2.300    -1.810     2.680  -111.777  0.154929   -49.373     3.038
                 0.011610 -0.082780    -2.503     7.231    22.217 -0.094359
.
.
21231       0    -2.019     1.968   0.367964   -4.696    19.393    -2.281
                 0.058854 -0.240805   126.650   -4.900   -20.789  0.280812
.
21231   1.150    -1.979     1.970   -53.738   -6.191    42.439 -0.016212
                 0.017342 -0.078587    79.220    4.950    69.963  0.000599
.
21231   2.300    -2.008     2.068  -103.414    2.565   -23.875     2.360
                 0.020358 -0.084057    -4.085    4.606    18.420 -0.095884
.
.
21241       0    -2.059     1.225    -4.142   -3.962    27.152    -1.413
                 0.079379 -0.210835   124.110   -1.738   -15.080  0.244693
.
21241   1.150    -2.015     1.245   -56.648   -2.413    45.403 -0.005461
                 0.024604 -0.070523    79.784    1.904    73.690  0.000953
.
21241   2.300    -2.053     1.329  -103.845  0.626815   -19.959     1.522
                 0.030457 -0.076569 -0.974114     3.406    25.811 -0.086732
.
.
21251       0    -2.028  0.544816    -7.291   -2.513    32.629 -0.624271
                 0.084538 -0.272030   124.046    1.374   -15.152  0.314925
.
21251   1.150    -1.994  0.581378   -56.841    1.444    45.444  0.000594
                 0.027674 -0.155554    80.834   -1.250    73.288  0.001012
.
21251   2.300    -2.031  0.649621  -103.086   -1.258   -19.200  0.747381
                 0.039518 -0.163759  0.345865    1.626    30.328 -0.186453
.
.
21261       0    -1.958 -0.111922    -8.076    3.987    34.607  0.138814
                 0.122858 -0.332196   126.605 -0.332258   -21.158  0.389594
.
21261   1.150    -1.912 -0.238725   -54.184  0.393531    42.341  0.015429
                 0.064843 -0.166826    79.563 -0.851573    69.513  0.002675
.
21261   2.300    -1.938 -0.114096  -103.957  0.326558   -24.333 -0.118709
                 0.039234 -0.153306     1.020    -3.742    32.793 -0.175612
.
.
21271       0    -1.767 -0.766647    -3.491    5.422    25.821  0.913275
                 0.206670 -0.298677   128.921    2.843   -25.886  0.354293
.
21271   1.150    -1.666 -0.880689   -51.544    4.171    40.119  0.038209
                 0.103226 -0.178446    77.718   -3.832    67.927  0.004759
.
21271   2.300    -1.712 -0.794255  -104.714   -1.542   -27.661 -0.877727
                 0.047834 -0.155145 -0.760879   -5.395    25.569 -0.177742
.
.

21281       0    -1.340    -1.193     2.420    6.198    14.796     1.429
                 0.304158 -0.264973   133.936    5.977   -36.280  0.312850
.
21281   1.150    -1.207    -1.311    -46.207    7.650    34.798  0.058267
```



```
                 0.192289 -0.191307    76.349   -6.450    62.970  0.010791
.
21281   2.300    -1.225    -1.267  -104.606   -3.369   -34.235    -1.393
                 0.062403 -0.164000    -4.290   -6.425    15.671 -0.185980
.
.
21291       0 -0.948077    -1.214     5.067    8.533     8.055     1.426
                 0.603995 -0.548253   148.953  0.859069   -64.179  0.657007
.
21291   1.150 -0.816614    -1.431   -30.940    2.814    23.531  0.045987
                 0.413857 -0.222770    68.207   -3.063    48.790  0.024603
.
21291   2.300 -0.893234    -1.155  -111.275  0.627312   -58.003    -1.284
                 0.475774 -0.271522    -6.651   -8.434     8.965 -0.293543
.
.
21301       0    -1.410     2.464    11.515  0.019165    -4.066    -2.750
                 0.097793 -0.167054   143.052   -4.866   -68.821  0.183085
.
21301   1.150    -1.374     2.477   -38.362   -2.459    34.740  0.081640
                 0.063865 -0.199081     9.343   -5.753    -2.972 -0.007328
.
21301   2.300    -1.374     2.477   -67.363   -2.459   -26.049     2.930
                 0.063865 -0.199081    -3.028   -5.753  0.659338 -0.236263
.
.
21311       0 -0.817793     2.933     5.725   -7.788    10.342    -3.322
                 0.021419 -0.134681   136.322   -4.061   -57.654  0.149925
.
21311   1.150 -0.817722     2.949   -42.896   -1.880    38.556  0.049420
                 0.008136 -0.176926     5.842   -5.239    -4.727 -0.002788
.
21311   2.300 -0.817722     2.949   -71.896   -1.880   -27.447     3.440
                 0.008136 -0.176926    -6.529   -5.239    -5.122 -0.206244
.
.
21321       0 -0.555296     2.675 -0.896513   -8.477    23.553    -3.052
                -0.011390 -0.090512   133.261 -0.497689   -50.048  0.101323
.
21321   1.150 -0.563253     2.674   -47.653   -3.824    34.282  0.024006
                -0.011093 -0.118922     6.263 -0.698230     1.527 -0.002258
.
21321   2.300 -0.569299     2.694   -75.512   -2.300   -30.103     3.121
                -0.005047 -0.139098    -7.250   -2.222    -5.472 -0.161082

.
.
21331       0 -0.489244     2.096     2.189   -5.367    18.569    -2.402
                -0.020828 -0.076192   122.792   -3.404   -24.286  0.086354
.
21331   1.150 -0.490031     2.096   -59.842   -5.789    46.837  0.008315
                -0.012812 -0.186110     4.745   -3.594    -3.880 -0.000330
.
21331   2.300 -0.503779     2.124   -86.597   -4.694   -29.425     2.451
                 0.000937 -0.214016    -9.871   -4.690   -14.765 -0.245991
.
.
```

21341	0	-0.490319	1.371	-1.695	-4.013	26.205	-1.573
		-0.024200	-0.055216	122.049	-0.917419	-19.538	0.063033
.							
21341	1.150	-0.494111	1.369	-61.580	-2.195	50.045	0.003500
		-0.008881	-0.159843	5.422	-1.494	-5.069	8.98E-07
.							
21341	2.300	-0.509974	1.407	-87.709	-1.593	-26.986	1.621
		0.006982	-0.196959	-9.820	-2.096	-16.404	-0.226613
.							
.							
21351	0	-0.494015	0.703514	-4.401	-1.971	31.752	-0.805247
		-0.011592	-0.123754	122.058	1.522	-19.589	0.143066
.							
21351	1.150	-0.505439	0.698467	-61.862	1.514	49.716	0.002713
		0.005468	-0.220553	4.506	0.664789	-4.347	0.000718
.							
21351	2.300	-0.517837	0.745391	-87.829	1.591	-27.352	0.860771
		0.017867	-0.267477	-10.898	0.586877	-17.024	-0.307761
.							
.							
21361	0	-0.503471	-0.036085	-5.273	4.433	34.220	0.040798
		0.037656	-0.089724	123.331	-0.252841	-24.734	0.108752
.							
21361	1.150	-0.476222	-0.026634	-60.189	0.925293	46.391	0.001430
		0.025523	-0.266667	5.327	0.845584	-3.716	0.002337
.							
21361	2.300	-0.474728	0.029865	-86.458	0.472950	-29.416	0.038231
		0.024029	-0.323166	-9.775	1.298	-14.785	-0.371746
.							
.							
21371	0	-0.550102	-0.673985	-1.911	6.349	25.962	0.763169
		0.127595	-0.053313	123.535	2.150	-27.267	0.073298
.							
21371	1.150	-0.492557	-0.657714	-58.897	4.440	44.964	-0.007898
		0.058579	-0.227824	5.713	2.711	-4.637	0.003068
.							
21371	2.300	-0.457894	-0.593975	-85.930	3.478	-30.949	-0.686170
		0.023916	-0.291563	-8.625	3.672	-13.671	-0.336987
.							
.							
21381	0	-0.728613	-1.085	2.592	7.530	15.821	1.220
		0.289718	-0.013556	124.821	4.484	-34.695	0.033817
.							
21381	1.150	-0.599302	-1.043	-56.134	7.566	40.757	-0.018651
		0.078735	-0.219061	4.495	4.491	-3.890	0.000490
.							.
21381	2.300	-0.532370	-0.994151	-84.131	6.312	-34.523	-1.159
		0.011804	-0.267870	-8.879	5.745	-11.780	-0.309966
.							
.							
21391	0	-0.630997	-0.966590	4.282	9.885	10.253	1.102
		0.140349	-0.123246	134.731	-0.388280	-59.931	0.142560
.							
21391	1.150	-0.691788	-1.012	-44.751	3.302	28.835	-0.004055
		-0.292144	-0.485919	3.639	-0.495768	1.863	-0.015107
.							
21391	2.300	-0.617122	-0.951719	-73.642	1.779	-35.805	-1.101
		-0.366811	-0.546626	-8.842	1.027	-4.561	-0.641122
.							

.							
21401	0	-1.814	1.857	15.185	-1.818	-4.945	-1.952
		0.259516	-0.125351	46.845	-7.344	-33.660	0.121473
.							
21401	1.150	-1.814	1.857	2.814	-1.818	5.404	0.183873
		0.259516	-0.125351	17.844	-7.344	3.535	-0.022675
.							
21401	2.300	-1.748	1.853	-21.675	-2.742	2.943	2.308
		0.192572	-0.121360	0.961914	-6.420	5.964	-0.155423
.							
.							
21411	0	-0.037815	2.257	14.334	-1.731	-4.487	-2.467
		0.050962	-0.158248	40.695	-6.730	-26.169	0.165669
.							
21411	1.150	-0.037815	2.257	1.963	-1.731	4.884	0.128020
		0.050962	-0.158248	11.695	-6.730	3.954	-0.016308
.							
21411	2.300	-0.033079	2.258	-24.628	-2.581	0.133595	2.720
		0.046226	-0.159367	-3.086	-5.880	0.622280	-0.194498
.							
.							
21421	0	0.718724	1.858	11.996	-7.438	-0.751774	-2.113
		-0.043628	-0.090546	37.827	-5.046	-21.219	0.100384
.							
21421	1.150	0.711039	1.883	-0.917590	-8.287	11.349	0.022278
		-0.035943	-0.116419	9.369	-4.196	0.186858	-0.003162
.							
21421	2.300	0.694886	1.869	-28.425	-8.077	-1.993	2.171
		-0.019790	-0.102322	-4.495	-4.407	-0.540194	-0.119832
.							
.							
21431	0	-0.030985	-0.051398	10.829	-5.827	0.683732	0.059106
		0.795484	1.278	35.005	-3.268	-15.780	-1.477
.							
21431	1.150	-0.040952	-0.021941	-3.043	-6.390	12.351	-0.000319
		0.805450	1.248	7.505	-2.704	1.472	-0.007680
.							
21431	2.300	-0.060967	-0.031649	-30.578	-6.185	-3.435	-0.036689
		0.825466	1.258	-6.331	-2.909	-1.398	1.439
.							
.							
21441	0	-0.026386	-0.038622	10.556	-3.591	0.302784	0.045080
		0.756963	0.767854	35.009	-1.489	-16.160	-0.889976
.							
21441	1.150	-0.037209	-0.005945	-3.872	-3.837	12.223	0.000375
		0.767786	0.735178	8.066	-1.243	0.530776	-0.006688
.							
21441	2.300	-0.056545	-0.012118	-31.405	-3.640	-4.522	-0.013414
		0.787123	0.741350	-5.773	-1.440	-1.683	0.845684
.							
.							
21451	0	-0.016376	-0.020102	11.523	-0.815693	-2.743	0.024357
		0.738352	0.242413	35.208	0.469458	-16.779	-0.278679
.							
21451	1.150	-0.028171	0.016848	-3.076	-0.735090	10.462	0.000874
		0.750148	0.205463	8.435	0.388855	-0.034151	0.000451
.							
21451	2.300	-0.046728	0.014257	-30.570	-0.542800	-5.380	0.017368
		0.768704	0.208054	-5.443	0.196564	-1.818	0.239604

```
.
.
21461       0 -0.021798 -0.078881    11.208     4.465    -2.315  0.091460
              0.751629 -0.222044    35.784     2.505   -17.950  0.259998
.
21461   1.150 -0.032788 -0.033927    -3.183     4.872    10.292  0.000970
              0.762619 -0.266999     8.803     2.098  -0.304756  0.004437
.
21461   2.300 -0.050901 -0.032187   -30.598     5.063    -5.699 -0.035985
              0.780732 -0.268738    -5.152     1.907    -1.638 -0.304659
.
.
21471       0 -0.012107 -0.052986    11.084     7.306    -1.007  0.062854
              0.745869 -0.631807    36.686     7.460   -21.530  0.723595
.
21471   1.150 -0.002257  0.009350    -2.737     8.026    10.811  0.006320
              0.736020 -0.694143     9.136     6.739    -2.202 -0.007351
.
21471   2.300 -0.019665  0.017377   -30.038     8.222    -4.732  0.026453
              0.753427 -0.702170    -4.935     6.544    -3.088 -0.814964
.
.
21481       0  0.019600 -0.008535    12.092     9.400    -2.360  0.014975
              0.465370    -1.101    37.845    10.947   -23.688     1.219
.
21481   1.150  0.125459  0.087393 -0.866236    10.400     9.565  0.021171
              0.359511    -1.197     9.431     9.947    -1.976 -0.064017
.
21481   2.300  0.113803  0.105963   -28.054    10.604    -4.024  0.144302
              0.371167    -1.216    -4.753     9.743    -2.326    -1.463
.
.
21491       0 -0.007482 -0.029965    13.370    10.675    -5.092  0.042062
             -0.315460    -1.294    38.548     5.446   -24.349     1.385
.
21491   1.150 -0.007482 -0.029965  0.999114    10.675     3.170  0.007604
             -0.315460    -1.294     9.548     5.446     3.305 -0.103211
.
21491   2.300  0.324292  0.134334   -25.948    12.092    -4.971  0.188496
             -0.647234    -1.458    -4.877     4.029 -0.212930    -1.807
.
.
21501       0  0.116916 -0.679731    10.200    -7.007    -5.814  0.549274
              0.593647 -0.241348   115.029    -5.799   -59.613  0.147293
.
21501   1.150  0.115680    -1.015   -64.223    -4.770    33.204 -0.154873
             -0.107473  0.264607 -0.988537    -4.453  0.308003  0.063652
.
21501   2.300  0.115680    -1.015   -93.223    -4.770   -57.324    -1.323
             -0.107473  0.264607   -13.360    -4.453    -7.942  0.367938
.
.
21601       0 -0.863829  0.284520    12.842    -7.088    -6.116 -0.343985
              0.529971    -1.429   147.141     3.586   -65.827     1.568
.
21601   1.150 -0.717921 -0.446804   -32.740 -0.444507    16.950 -0.036591
              0.405664 -0.660852    76.427  0.348248    47.051 -0.068652
.
21601   2.300 -0.724752  0.143436  -102.922    -1.829    -54.429  0.134771
```



```
              0.392293    -1.012   -10.943 -0.128767    -4.614    -1.256
.
.
21701       0 -0.756979  0.156586    11.322     8.316    -4.547 -0.206964
              0.235312 -0.508542   131.299     2.142   -61.657  0.616215
.
21701   1.150 -0.659756  0.299492   -48.051 -0.035074    27.455 -0.005432
             -0.123885    -1.098 -0.412698     2.244     1.554  0.132957
.
21701   2.300 -0.659756  0.299492   -77.051 -0.035074   -44.476  0.338970
             -0.123885    -1.098   -12.784     2.244    -6.034    -1.130
.
.
21801       0    -1.360 -0.519113    13.272     5.771    -7.796  0.735953
              0.453224  0.451272    31.349     3.161   -17.953 -0.499450
.
21801   1.150    -1.360 -0.519113  0.901018     5.771  0.352931  0.138997
              0.453224  0.451272     2.349     3.161     1.422  0.019492
.
21801   2.300    -1.020 -0.437995   -27.098     7.256   -12.745 -0.425521
              0.112818  0.370154   -11.024     1.676    -5.531  0.505995
.
.
22101       0 -0.163606 -0.905757    11.346     5.987    -6.408     1.227
              1.238 -0.344141   118.045     8.583   -61.362  0.943174
.
22101   1.150 -0.513059 -0.906519   -64.618     3.797    33.258 -0.156817
              0.093883 -0.062234    -1.092     9.590  0.400497  0.033340
.
22101   2.300 -0.513059 -0.906519   -96.964     3.797   -59.648    -1.199
              0.093383 -0.062234   -14.890     9.590    -8.789 -0.038226
.
.
22111       0 -0.055912  0.317115     4.272     8.924 -0.962527 -0.337016
             -0.812610     3.073    99.239     5.819   -18.224    -3.851
.
22111   1.150     1.463  0.672197   -83.672     7.786    53.876 -0.122577
             -1.472     2.750     4.022     5.608    11.671 -0.256278
.
22111   2.300     1.463  0.672197  -116.018     7.786   -60.942  0.650418
             -1.472     2.750    -9.776     5.608     8.363     2.906
.
.
22121       0  0.091345  0.311466     5.029     6.645    -1.110 -0.344394
             -2.961     2.905   103.640     3.564   -15.430    -3.453
.
22121   1.150  0.402352  0.582219   -80.678     4.321    54.982 -0.055751
             -3.058     2.699     9.321     5.744    29.241 -0.088146
.
22121   2.300  0.495553  0.645213  -112.025     5.273   -49.032  0.671636
             -3.151     2.636    -5.476     4.792    24.667     2.958
.
.
22131       0  0.096096  0.117468    10.723    10.015    -4.370 -0.135691
             -3.467     2.129   117.189     3.837   -13.695    -2.439
.
22131   1.150  0.182921  0.208701   -68.533     4.339    70.504 -0.003777
             -3.563     1.899    10.423     3.517    25.197  0.008894
.
```

22131	2.300	0.208298	0.253652	-98.784	4.989	-16.962	0.286079
		-3.588	1.854	-5.470	2.868	19.308	2.143
.							
.							
22141	0	0.027366	0.203070	11.156	1.353	-1.350	-0.233780
		-3.478	1.535	118.143	1.090	-8.926	-1.749
.							
22141	1.150	0.147912	0.056546	-68.464	1.328	75.280	-0.000869
		-3.567	1.300	15.026	3.154	31.259	0.015738
.							
22141	2.300	0.166664	0.088455	-98.022	1.655	-10.511	0.101493
		-3.586	1.268	-1.560	2.828	29.067	1.473
.							
.							
22151	0	0.018743	-0.417459	11.268	-0.341266	-1.378	0.477415
		-3.489	0.835953	120.725	-1.596	-13.305	-0.958529
.							
22151	1.150	0.124347	0.062485	-66.136	-1.614	73.494	-0.003278
		-3.546	0.581449	15.749	2.189	37.254	0.007177
.							
22151	2.300	0.143623	0.085109	-95.509	-1.613	-9.141	0.094798
		-3.566	0.558825	-1.072	2.189	35.357	0.649595
.							
.							
22161	0	0.052541	-0.084764	10.895	-2.989	-4.467	0.096743
		-3.510	-0.138974	118.417	0.116549	-13.667	0.159396
.							
22161	1.150	0.112239	-0.151135	-68.200	-0.158881	70.840	0.001307
		-3.554	0.091273	16.208	-3.374	37.986	-0.004678
.							
22161	2.300	0.131047	-0.138992	-97.758	-0.484796	-14.648	-0.158292
		-3.573	0.079131	-0.379128	-3.048	37.153	0.086082
.							
.							
22171	0	0.046111	-0.240842	8.907	-8.299	-4.505	0.267502
		-3.438	-0.726027	113.741	-2.794	-9.409	0.850147
.							
22171	1.150	0.141873	-0.291439	-72.007	-3.357	70.785	0.000555
		-3.513	-0.524375	13.822	-4.188	29.867	0.014446
.							
22171	2.300	0.175915	-0.300105	-102.259	-4.006	-20.677	-0.340305
		-3.547	-0.515709	-2.071	-3.539	27.886	-0.532843
.							
.							
22181	0	-0.120630	-0.288882	7.537	-13.023	-3.274	0.292034
		-2.827	-1.500	110.586	-5.739	-14.499	-1.846
.							
22181	1.150	0.202031	-0.380717	-73.777	-6.523	63.826	0.010515
		-2.938	-1.317	7.672	-4.505	21.600	0.114216
.							
22181	2.300	0.330266	-0.435765	-105.124	-7.475	-32.252	-0.471702
		-3.066	-1.262	-7.125	-3.553	15.129	-1.356
.							
.							
22191	0	-0.573001	-0.051782	4.241	-5.625	0.077550	0.007678
		-1.420	-2.255	99.456	-4.456	-23.487	2.841
.							
22191	1.150	0.270571	-0.502309	-83.514	-6.454	48.745	0.019461
		-1.159	-2.152	1.451	-6.438	13.822	0.266200
.							
22191	2.300	0.270571	-0.502309	-115.959	-6.454	-65.890	-0.558171
		-1.159	-2.152	-12.348	-6.438	7.556	-2.209
.							
.							
22201	0	-1.115	0.119104	14.313	7.298	-6.830	-0.209591
		0.362493	-1.127	150.347	-2.352	-67.795	1.274
.							
22201	1.150	-1.318	0.203967	-32.324	-2.586	17.063	-0.256751
		0.486223	-0.218856	76.659	1.743	47.459	0.127607
.							
22201	2.300	-1.133	-0.076869	-106.219	0.714526	-55.847	-0.243522
		0.307519	-0.669382	-12.291	0.107204	-5.256	-0.731144
.							
.							
22211	0	-1.731	2.687	5.571	-10.147	9.681	-3.079
		0.174886	0.286879	149.133	-4.110	-59.063	-0.293181
.							
22211	1.150	-2.006	3.047	-34.270	-6.764	27.044	0.034102
		0.920123	0.219884	69.447	6.219	53.412	-0.030987
.							
22211	2.300	-1.158	2.916	-113.645	1.196	-53.388	3.331
		0.597677	0.189825	-5.970	10.227	12.616	0.199239
.							
.							
22221	0	-1.735	3.232	-3.208	-8.685	26.700	-3.738
		0.324171	0.418428	143.788	-1.764	-48.806	-0.477214
.							
22221	1.150	-1.818	3.580	-39.383	-4.019	31.872	-0.007552
		0.536881	0.137826	71.764	4.130	56.907	-0.040448
.							
22221	2.300	-1.472	3.295	-113.302	-0.063144	-47.124	3.737
		0.352881	0.107298	-1.136	8.783	28.515	0.099665
.							
.							
22231	0	-1.983	2.452	2.136	-5.355	19.552	-2.850
		0.330875	0.145203	127.321	-5.385	-16.795	-0.183208
.							
22231	1.150	-1.819	2.768	-56.495	-7.183	46.154	-0.036696
		0.187992	0.055331	81.869	6.069	76.068	-0.011889
.							
22231	2.300	-1.865	2.694	-105.261	2.918	-16.883	3.060
		0.145907	0.015093	-4.665	5.638	22.189	0.008005
.							
.							
22241	0	-2.123	1.624	-3.364	-4.612	29.369	-1.885
		0.202823	0.177942	124.690	-1.632	-9.246	-0.216198
.							
22241	1.150	-2.019	1.969	-60.170	-2.604	50.119	-0.025204
		0.110821	0.026664	82.630	2.376	80.941	-0.004864
.							
22241	2.300	-2.056	1.842	-105.829	0.708815	-11.697	2.096
		0.090808	-0.005334	-1.060	4.220	31.512	-0.009326
.							
.							
22251	0	-2.185	0.851178	-7.823	-3.049	36.958	-0.984751
		0.142806	0.070587	124.888	2.029	-9.127	-0.085660
.							
22251	1.150	-2.134	1.215	-60.115	2.025	50.356	-0.012596

```
                0.090373 -0.121587    83.138    -1.456    80.851 -0.000707
.
22251    2.300    -2.154    1.054  -105.757    -1.467   -11.538    1.201
                0.085858 -0.150047    1.148     2.106    38.179 -0.171893
.
.
22261        0    -2.156  0.483996    -8.454     4.922    38.996 -0.553370
                0.124759 -0.441026   127.010 -0.468828   -14.806  0.513722
.
22261    1.150    -2.112  0.193436   -57.858  0.515966    47.282  0.009037
                0.076582 -0.365754    81.944 -0.955461    76.148  0.002274
.
22261    2.300    -2.130  0.308469  -106.514  0.710728   -17.249  0.360381
                0.065673 -0.335674     1.666    -4.525    40.861 -0.385543
.
.
22271        0    -2.007 -0.359511    -2.845     6.475    28.370  0.446242
                0.182968 -0.400224   128.863     3.263   -19.323  0.469995
.
22271    1.150    -1.921 -0.623765   -55.577     5.069    44.771  0.038438
                0.088680 -0.384383    80.490    -4.618    74.063  0.001751
.
22271    2.300    -1.963 -0.558825  -106.641    -1.469   -20.463 -0.608245
                0.053760 -0.346517    -1.057    -6.500    31.232 -0.400028
.
.
22281        0    -1.580    -1.014     3.794     7.261    15.665    1.237
                0.275675 -0.315035   134.606     7.001   -31.596  0.370224
.
22281    1.150    -1.468    -1.256   -49.260     9.266    38.669  0.067467
                0.121330 -0.370139    78.557    -7.808    67.452  0.007169
.
22281    2.300    -1.522    -1.257  -106.555    -3.611   -28.746   -1.372
                0.049822 -0.336913    -5.135    -7.722    19.023 -0.387587
.
.
22291        0 -0.994416    -1.392     4.987    10.116    10.296    1.651
                0.173063 -0.560336   152.444  0.961632   -65.404  0.659092
.
22291    1.150 -0.979762    -1.691   -31.110     3.618    24.683  0.066797
                0.054686 -0.277242    68.462    -4.013    49.336  0.020569
.
22291    2.300 -0.941881    -1.391  -114.704     1.013   -58.597   -1.524
                0.177789 -0.325726    -6.210   -10.264    12.584 -0.364235
.
.
22301        0 -0.600539 -0.086346    12.776    -9.267    -5.250  0.290202
                0.240664  0.038478   134.585 -0.683486   -63.066 -0.107387
.
22301    1.150 -0.383977  0.362514   -48.279    -2.665    27.870  0.227374
                0.205783 -0.838963 -0.484015    -3.175     1.712  0.013027
.
22301    2.300 -0.383977  0.362514   -80.625    -2.665   -46.247  0.644249
                0.205783 -0.838963   -14.282    -3.175    -6.778 -0.951742
.
.
22311        0 -0.030725     2.619     4.404   -11.924    12.911   -3.020
                0.621963 -0.018639   135.455    -1.961   -54.105  0.025402
.
```

```
22311    1.150  0.316076     2.634   -47.637    -6.984    32.775 -0.022142
                0.313360  0.408539     4.497    -1.746  0.300695 -0.007026
.
22311    2.300  0.308515     2.680   -79.775    -4.910   -36.265    3.073
                0.320920  0.362493    -9.510    -3.821    -6.800  0.397047
.
.
22321        0 -0.265406     3.010    -2.519   -10.236    29.789   -3.473
                0.473039 -0.122393   134.489 -0.340949   -47.691  0.117828
.
22321    1.150 -0.076431     2.992   -50.577    -4.534    35.704 -0.030461
                0.203870  0.394921     6.077 -0.999383  0.808767 -0.011804
.
22321    2.300 -0.026349     2.978   -81.567    -2.825   -33.500    3.398
                0.153788  0.408937    -9.076    -2.709    -7.691  0.455149
.
.
22331        0 -0.460767     2.546     2.684    -6.536    22.301   -2.926
                0.209578 -0.110307   124.036    -3.900   -17.127  0.111762
.
22331    1.150 -0.417484     2.534   -63.094    -7.051    52.416 -0.000847
                0.188888  0.024518     4.022    -4.478    -4.052 -0.016134
.
22331    2.300 -0.347268     2.479   -92.726    -5.698   -28.064    2.843
                0.118672  0.079485   -12.491    -5.831   -18.035  0.081774
.
.
22341        0 -0.513544     1.763    -1.766    -4.965    31.838   -2.023
                0.088047 -0.063255   123.433    -1.045   -11.171  0.062813
.
22341    1.150 -0.492309     1.759   -65.025    -2.712    56.712  0.002745
                0.075494  0.093531     4.922    -1.844    -4.748 -0.008795
.
22341    2.300 -0.471303     1.715   -93.772    -2.018   -24.137    1.970
                0.054488  0.137869   -12.475    -2.539   -19.546  0.154010
.
.
22351        0 -0.514322     1.022    -5.424    -2.569    39.466   -1.169
                0.012122 -0.154902   124.142     1.781   -11.781  0.172751
.
22351    1.150 -0.509622     1.020   -64.753     1.769    56.751  0.004483
                -0.076732 -0.698655     5.129 -0.087800    11.563 -0.008064
.
22351    2.300 -0.512647  0.989618   -93.207     1.776   -23.172    1.141
                -0.073708 -0.667950   -12.561 -0.094958    -3.612 -0.774740
.
.
22361        0 -0.526461  0.343796    -6.127     5.325    42.146 -0.393542
                0.020757 -0.322402   125.298 -0.690611   -17.492  0.372069
.
22361    1.150 -0.513733  0.345828   -63.170     0.975549   52.494  0.003700
                0.003237 -0.468559     5.278     0.816491   -3.029 -0.001274
.
22361    2.300 -0.517254  0.327638   -91.926     0.294151  -26.257  0.381887
                0.006759 -0.450369   -12.110     1.498     -17.383 -0.520596
.
.
22371        0 -0.561307 -0.465440    -1.768     7.582    31.558  0.523861
                0.087619 -0.282062   124.866     2.125    -19.951  0.336043
```

.							
22371	1.150	-0.522942	-0.458465	-62.266	5.274	50.532	-0.008007
		0.027516	-0.418166	5.693	3.225	-4.363	0.003836
.							
22371	2.300	-0.497926	-0.467377	-91.920	3.931	-29.071	-0.539982
		0.002500	-0.409254	-10.796	4.568	-16.347	-0.472275
.							
.							
22381	0	-0.704679	-1.073	3.341	8.956	19.138	1.204
		0.247105	-0.200595	126.211	4.879	-29.032	0.254438
.							
22381	1.150	-0.629412	-1.036	-58.902	9.077	44.769	-0.020379
		0.090681	-0.350798	4.316	5.564	-3.662	0.006517
.							
22381	2.300	-0.529418	-1.059	-89.893	7.368	-34.009	-1.232
		-0.009313	-0.327739	-10.837	7.273	-14.187	-0.376015
.							
.							
22391	0	-0.845364	-1.148	3.716	11.936	13.769	1.297
		0.372187	-0.145309	137.808	-0.757400	-60.221	0.190684
.							
22391	1.150	-0.951043	-1.205	-45.358	4.268	29.281	-0.011330
		0.111131	-0.563502	3.848	-0.718779	2.291	0.008662
.							
22391	2.300	-0.814667	-1.206	-77.495	2.193	-37.139	-1.401
		-0.025245	-0.562241	-10.159	1.356	-5.556	-0.635508
.							
.							
22401	0	-1.037	0.170040	14.843	-8.974	-8.813	-0.142071
		0.616203	0.474219	35.039	-3.360	-20.133	-0.502802
22401	1.150	-1.037	0.170040	1.045	-8.974	0.322281	0.053467
		0.616203	0.474219	2.693	-3.360	1.563	0.042527
.							
22401	2.300	-0.603420	0.471720	-30.111	-10.355	-14.220	0.718326
		0.182587	0.172539	-12.295	-1.979	-6.128	0.118536
.							
.							
22411	0	0.252795	-0.047440	14.477	-10.854	-4.182	0.027998
		0.445763	2.044	43.084	-9.749	-28.138	-2.261
.							
22411	1.150	0.252795	-0.047440	0.679198	-10.854	4.532	-0.026556
		0.445763	2.044	10.738	-9.749	2.808	0.089440
.							
22411	2.300	0.687854	-0.188843	-29.465	-12.153	-4.819	-0.289541
		0.010704	2.185	-5.262	-8.450	-1.243	-2.648
.							
.							
22421	0	0.064470	-5.48E-05	12.476	-9.646	0.418115	-0.013244
		0.929397	1.988	41.689	-7.529	-23.687	-2.289
.							
22421	1.150	0.140603	-0.076945	-2.321	-10.598	13.042	-0.029417
		0.853264	2.065	10.342	-6.577	-0.554655	0.013100
.							
22421	2.300	0.166435	-0.130925	-32.648	-10.684	-3.637	-0.186887
		0.827432	2.119	-5.475	-6.491	-1.184	2.457
.							
.							
22431	0	-0.000165	-0.049754	10.873	-7.714	3.339	0.054423
		0.894187	1.826	39.231	-5.672	-18.918	-2.127
.							
22431	1.150	0.000546	-0.102883	-5.020	-8.364	15.441	-0.005045
		0.893476	1.879	8.979	-5.022	0.064741	-0.025607
.							
22431	2.300	-0.008827	-0.131828	-35.478	-8.414	-4.170	-0.158118
		0.902848	1.908	-6.707	-4.972	-2.304	2.170
.							
.							
22441	0	-0.007778	-0.125479	10.198	-4.982	3.904	0.145083
		0.814188	1.384	38.857	-2.933	-18.297	-1.610
.							
22441	1.150	-0.015863	-0.161143	-6.389	-5.308	16.028	0.001305
		0.822273	1.420	9.299	-2.606	-0.542672	-0.019251
.							
22441	2.300	-0.033416	-0.175461	-36.947	-5.321	-5.112	-0.200772
		0.839826	1.434	-6.287	-2.594	-2.587	1.630
.							
.							
22451	0	-0.008566	-0.083088	10.985	-1.500	1.118	0.096709
		0.789142	0.756042	38.738	0.028461	-18.171	-0.875829
.							
22451	1.150	-0.016613	-0.105634	-5.836	-1.500	14.414	0.001365
		0.797190	0.778587	9.415	0.028594	-0.820323	-0.006620
.							
22451	2.300	-0.037162	-0.112657	-36.424	-1.476	-6.082	-0.128331
		0.817738	0.785611	-6.141	0.004254	-2.740	0.896941
.							
.							
22461	0	-0.010296	-0.035041	10.403	5.459	2.182	0.040931
		0.798306	0.084212	39.187	3.033	-18.982	-0.094447
.							
22461	1.150	-0.018287	-0.043271	-6.184	5.784	14.542	0.000995
		0.806298	0.092442	9.629	2.707	-0.847690	0.002033
.							
22461	2.300	-0.040790	-0.047064	-36.728	5.847	-6.367	-0.053191
		0.828801	0.096235	-5.971	2.645	-2.509	0.112764
.							
.							
22471	0	-0.013401	-0.150008	10.641	8.958	2.887	0.175766
		0.786557	-0.422052	39.353	5.882	-19.242	0.481505
.							
22471	1.150	-0.004006	-0.133018	-5.252	9.607	14.723	0.007924
		0.777162	-0.439043	9.101	5.233	-0.119450	-0.008496
.							
22471	2.300	-0.029241	-0.135139	-35.678	9.709	-5.163	-0.147817
		0.802397	-0.436922	-6.617	5.131	-2.339	-0.510599
.							
.							
22481	0	0.026687	-0.172191	12.282	11.491	0.226779	0.206702
		0.579102	-1.015	40.588	13.534	-23.064	1.119
.							
22481	1.150	0.137761	-0.103170	-2.515	12.443	12.628	0.023068
		0.468028	-1.084	9.241	12.582	-1.198	-0.069107
.							
22481	2.300	0.105140	-0.100854	-32.789	12.584	-4.290	-0.087815
		0.500649	-1.086	-6.629	12.441	-3.077	-1.318
.							
.							

22491	0	0.060502	-0.029295	14.427	13.055	-4.417	0.044352
		-0.354058	-1.503	42.784	6.812	-26.776	1.597
.							
22491	1.150	0.060502	-0.029295	0.628419	13.055	4.240	0.010664
		-0.354058	-1.503	10.438	6.812	3.825	-0.132193
.							
22491	2.300	0.404575	0.131345	-29.444	14.413	-5.214	0.197471
		-0.698131	-1.664	-5.634	5.454	-0.526955	-2.081
.							
.							
22501	0	-0.013063	-0.440601	11.141	-7.160	-6.733	0.279521
		0.581895	-0.167487	117.684	-6.967	-61.279	0.067409
.							
22501	1.150	-0.042525	-0.781816	-64.983	-5.337	32.527	-0.093255
		-0.134285	0.176937	-1.261	-5.956	0.007764	0.110849
.							
22501	2.300	-0.042525	-0.781816	-97.329	-5.337	-60.798	-0.992307
		-0.134285	0.176937	-15.059	-5.956	-9.376	0.314318
.							
.							
22601	0	-0.884009	0.084462	14.410	-8.581	-7.078	-0.120769
		0.426303	-0.741118	150.917	4.725	-68.172	0.856201
.							
22601	1.150	-0.827539	-0.327732	-32.595	-0.940432	16.923	0.009168
		0.364591	-0.274917	76.856	0.739278	47.204	-0.032431
.							
22601	2.300	-0.738549	-0.113953	-105.965	-2.398	-55.781	-0.166837
		0.232145	-0.342559	-11.971	-0.098978	-5.093	-0.390883
.							
.							
22701	0	-0.837363	-0.057655	12.484	9.602	-5.104	0.050990
		0.367265	0.004199	134.308	2.749	-62.973	-0.003286
.							
22701	1.150	-0.705046	0.165891	-48.514	-0.388739	27.605	0.005686
		0.029822	-0.407920	-0.509980	3.172	1.608	0.095941
.							
22701	2.300	-0.705046	0.165891	-80.860	-0.388739	-46.782	0.196453
		0.029822	-0.407920	-14.308	3.172	-6.912	-0.373148
.							
.							
22801	0	-1.414	-0.371803	14.956	8.689	-9.176	0.626057
		0.396306	0.626024	35.345	3.558	-21.283	-0.602405
.							
22801	1.150	-1.414	-0.371803	1.158	8.689	0.089511	0.198500
		0.396306	0.626024	3.000	3.558	0.764552	0.147494
.							
22801	2.300	-1.029	-0.253151	-29.936	10.130	-14.473	-0.176097
		0.011662	0.507371	-12.051	2.117	-6.423	0.784433
.							
.							
23101	0	0.057541	-0.552958	12.961	4.417	-7.740	1.076
		1.663	-0.604907	122.449	11.272	-63.969	1.702
.							
23101	1.150	-0.268339	-0.287336	-65.828	4.483	32.490	-0.036595
		0.146199	-0.430361	-1.579	14.890	0.053745	0.078225
.							
23101	2.300	-0.268339	-0.287336	-103.751	4.483	-65.014	-0.367018
		0.146199	-0.430361	-17.756	14.890	-11.063	-0.416670

.							
.							
23111	0	-0.133281	0.395720	6.513	13.726	-1.928	-0.401241
		-0.967009	4.308	105.015	6.220	-16.190	-5.416
.							
23111	1.150	1.204	0.849280	-83.617	9.239	53.425	-0.143321
		-1.334	4.021	5.175	5.009	19.844	-0.409386
.							
23111	2.300	1.619	0.995983	-121.494	10.048	-58.829	0.951426
		-1.749	3.875	-11.049	4.199	10.786	4.097
.							
.							
23121	0	0.090594	0.485062	8.302	10.091	-2.352	-0.531659
		-3.620	3.152	111.774	3.176	-13.598	-3.733
.							
23121	1.150	0.346661	0.769622	-79.151	5.893	60.405	-0.045362
		-3.697	2.943	13.974	4.300	36.367	-0.084407
.							
23121	2.300	0.451192	0.852100	-115.162	6.469	-41.876	0.915816
		-3.802	2.861	-4.116	3.724	32.589	3.224
.							
.							
23131	0	0.034174	0.691953	13.525	4.230	-1.816	-0.779098
		-4.089	1.694	127.613	2.640	-11.450	-1.932
.							
23131	1.150	0.209940	0.519895	-65.139	4.750	78.337	0.007246
		-4.201	1.441	11.851	2.381	30.119	0.011302
.							
23131	2.300	0.241339	0.552670	-99.620	5.089	-4.198	0.641554
		-4.232	1.408	-7.768	2.042	20.269	1.632
.							
.							
23141	0	0.033294	0.418517	14.000	2.262	-1.968	-0.477548
		-4.118	0.982689	129.766	0.160090	-6.995	-1.116
.							
23141	1.150	0.181205	0.159081	-64.083	1.203	83.788	0.001009
		-4.226	0.731907	18.136	3.045	37.934	0.012176
.							
23141	2.300	0.206328	0.170449	-97.640	1.353	4.647	0.197466
		-4.251	0.720540	-2.407	2.895	33.133	0.840314
.							
.							
23151	0	0.034297	0.415240	14.178	0.278023	-2.010	-0.472603
		-4.140	0.094670	131.296	-2.147	-10.735	-0.111705
.							
23151	1.150	0.157609	0.094660	-62.917	-2.147	81.314	-0.002839
		-4.211	-0.174026	21.281	3.068	45.840	0.002169
.							
23151	2.300	0.182535	0.094660	-96.170	-2.147	4.234	0.106016
		-4.236	-0.174026	0.433351	3.068	43.934	-0.197953
.							
.							
23161	0	0.046481	-0.479338	14.001	-2.291	-1.965	0.547497
		-4.137	-1.072	129.314	1.601	-11.361	1.221
.							
23161	1.150	0.164024	-0.248106	-64.535	0.557186	78.902	0.001623
		-4.205	-0.804061	21.382	-3.188	46.261	-0.016105
.							
23161	2.300	0.189148	-0.259473	-98.092	0.407288	-0.758827	-0.297207

```
                -4.230 -0.792694  0.838793    -3.038    45.192 -0.927218
.
.
23171       0  0.060416 -0.774762    13.529    -4.258    -1.808  0.873237
                -4.082    -1.780   125.456    -1.233    -7.887     2.034
.
23171   1.150  0.216830 -0.605523   -67.296    -3.343    79.419 -0.004541
                -4.189    -1.525    16.573    -2.940    36.087 -0.012926
.
23171   2.300  0.248229 -0.638298  -101.777    -3.682    -5.597 -0.737317
                -4.220    -1.492    -3.046    -2.601    31.667    -1.730
.
.
23181       0  0.103885 -0.490153    12.738   -18.433    -4.665  0.542690
                -3.587    -3.050   120.482    -4.499   -12.666     3.601
.
23181   1.150  0.378948 -0.667826   -70.444    -7.216    71.350  0.030144
                -3.759    -2.774     8.653    -2.454    25.911  0.079780
.
23181   2.300  0.483479 -0.750304  -106.454    -7.792   -20.917 -0.813973
                -3.863    -2.692    -9.437    -1.878    16.015    -3.035
.
.
23191       0 -0.168485 -0.262488     6.112    -9.000 -0.455570  0.260252
                -1.727    -4.141   103.721    -4.868   -20.565     5.120
.
23191   1.150  0.442199 -0.681882   -84.911    -7.887    47.563  0.039978
                -1.260    -4.097     4.352    -6.604    23.094  0.417020
.
23191   2.300  0.857052 -0.828584  -122.788    -8.697   -66.179 -0.862267
                -1.675    -3.950   -11.872    -5.794    13.090    -4.176
.
.
23201       0    -1.151  0.794257    16.891     5.496    -8.256 -0.969826
                0.561448 -0.883707   157.016    -3.522   -71.412     1.063
.
23201   1.150    -1.209     1.369   -32.597    -2.644    17.072 -0.204267
                0.597970 -0.301642    77.215     1.910    47.840  0.193980
.
23201   2.300    -1.039  0.723161  -111.386     1.517   -58.110  0.740868
                0.314460 -0.824909   -14.205  0.365383    -6.141 -0.931198
.
.
23211       0    -1.372     3.625     7.009   -13.175    12.351    -4.211
                0.459325  0.413518   152.892    -5.112   -56.491 -0.414536
.                                                                    .
23211   1.150    -1.550     3.999   -36.656    -9.566    30.915 -0.012687
                0.844945  0.391268    71.889     9.298    57.141 -0.022343
.
23211   2.300 -0.879261     3.895  -117.436     1.142   -49.212     4.396
                0.488229  0.336924    -6.286    13.855    19.221  0.386896
.                                                                    .
.
23221       0    -1.883     3.580    -3.879   -11.390    34.666    -4.207
                0.513390  0.617967   145.946    -1.716   -41.484 -0.724656
.
23221   1.150    -1.793     3.922   -44.258    -5.734    38.623 -0.093613
                0.408210  0.378799    75.181     6.437    63.163 -0.026514
.
```

```
23221   2.300    -1.670     3.656  -117.083 -0.575652   -39.409     4.088
                0.347104  0.340438   0.580714    12.012    42.914  0.378648
.
.
23231       0    -2.403     2.907     2.326  0.131058    20.590    -3.402
                0.393819  0.303800   129.287    -6.846    -3.455 -0.377048
.
23231   1.150    -2.192     2.530   -61.973    -9.735    57.604 -0.067168
                0.216127  0.278505    86.844     8.365    91.381 -0.012408
.
23231   2.300    -2.246     2.493  -108.292     3.409     1.642     2.806
                0.219155  0.298390    -4.531     3.231    23.669  0.325375
.
.
23241       0    -2.559  0.883220 -0.870909    -6.025    33.913    -1.032
                0.227897  0.326594   125.585    -1.905     6.295 -0.390788
.
23241   1.150    -2.439     1.240   -66.338    -3.446    63.104 -0.027058
                0.130500  0.246750    88.606     3.271    99.123 -0.007873
.
23241   2.300    -2.473     1.154  -108.239  0.680615    10.281     1.303
                0.110887  0.215461 -0.967565     5.768    45.362  0.241452
.
.
23251       0    -2.588 -0.249541    -7.706    -4.211    45.770  0.291828
                0.176230  0.128769   127.124     2.890     4.889 -0.151133
.
23251   1.150    -2.518  0.128753   -65.044     2.890    63.314 -0.003054
                0.107503  0.009049    88.254    -2.028    99.079 -0.000367
.
23251   2.300    -2.539  0.009033  -109.169    -2.028     9.466  0.010021
                0.102374 -0.017974     3.216     2.926    57.016 -0.019791
.
.
23261       0    -2.533 -0.996867    -7.936     6.606    47.325     1.164
                0.215489 -0.453162   128.405    -1.022 -0.386987  0.538982
.
23261   1.150    -2.450    -1.367   -63.517  0.519396    59.665  0.029704
                0.129658 -0.255158    87.126    -1.246    92.538  0.008415
.
23261   2.300    -2.472    -1.162  -109.719     1.345     1.394    -1.312
                0.121811 -0.226478     3.519    -6.197    60.188 -0.253479
.
.
23271       0    -2.366    -2.309 -0.390574     8.440    32.635     2.710
                0.392337 -0.428767   128.709     3.872    -4.036  0.522785
.
23271   1.150    -2.193    -2.655   -62.551     6.761    56.359  0.069199
                0.221242 -0.289213    86.409    -6.336    89.251  0.013509
.
23271   2.300    -2.240    -2.504  -108.726    -1.380    -1.489    -2.817
                0.194649 -0.251790    -1.245    -8.832    44.887 -0.278540
.
.
23281       0    -1.927    -3.376     7.143     9.301    16.890     3.977
                0.644678 -0.363286   135.257     8.868   -19.872  0.436940
.
23281   1.150    -1.662    -3.668   -54.947    12.887    47.944  0.098767
                0.366863 -0.358797    83.158   -11.081    79.015  0.015727
```

```
.
23281   2.300    -1.712    -3.636  -109.106    -4.068   -14.384    -4.076
                0.305220 -0.302410    -6.546   -10.465    27.265 -0.336946
.
.
23291       0    -1.426    -3.735     4.517    13.326    15.682     4.331
                0.505567 -0.525793   157.608  0.822833   -65.105  0.585211
.
23291   1.150    -1.503    -4.111   -31.940     5.277    27.725  0.054249
                0.540537 -0.301881    69.141    -6.462    51.669  0.017868
.
23291   2.300    -1.184    -3.805  -120.183     1.694   -57.843    -4.298
                0.537902 -0.365658    -5.272   -14.136    21.095 -0.116147
.
.
23301       0    -1.031  0.763985    14.833 -0.343997    -6.166 -0.381239
                0.425609 -0.109514   139.702    -1.483   -65.278  0.107415
.
23301   1.150 -0.484193     1.124    -48.870    -3.174    28.249  0.272644
                0.269741 -0.810499 -0.624847    -5.432     1.858  0.028112
.
23301   2.300 -0.484193     1.124    -86.794    -3.174   -49.754     1.565
                0.269741 -0.810499   -16.802    -5.432    -8.163 -0.303925
.
.
23311       0 -0.391322     3.456     4.511   -16.019    19.459    -3.934
                  1.059  0.002646   138.573    -2.175   -49.582 -0.015946
.
23311   1.150 -0.007632     3.436    -50.752   -10.331    36.078  0.016070
                0.502181  0.547015     4.521    -2.651     1.164 -0.011827
.
23311   2.300  0.111424     3.486    -88.257    -6.969   -37.985     4.039
                0.383125  0.496419   -12.074    -6.013    -9.044  0.544686
.
.
23321       0 -0.399533     3.281    -4.614   -13.880    44.010    -3.746
                0.634819  0.015535   137.477  0.070961   -39.654 -0.067468
.
23321   1.150 -0.328637     3.302    -54.787    -6.942    41.369  0.013783
                0.401888  0.493084     6.429    -1.201     3.116 -0.029245
.
23321   2.300 -0.117163     3.247    -90.651    -3.948   -32.387     3.733
                0.190414  0.548281   -11.808    -4.195    -9.844  0.615472
.
.
23331       0 -0.468466     2.337     1.752    -3.277    24.691    -2.683
                0.255981  0.069424   126.063    -4.667     1.645 -0.104462
.
23331   1.150 -0.476916     2.311    -69.072    -9.624    67.320  0.010409
                0.063924  0.783503     4.672     1.807    15.281 -0.013430
.
23331   2.300 -0.388778     2.262   -103.120    -7.556   -18.662     2.600
               -0.024213  0.832781   -15.381 -0.260109    -3.900  0.956080
.
.
23341       0 -0.582143     1.082    -1.980    -6.758    46.094    -1.241
                0.099304  0.154053   124.849    -1.082    10.964 -0.185934
.
23341   1.150 -0.561254     1.081    -71.995    -3.672    73.907  0.001754
```



```
                -0.022457  0.817874     6.068  0.959018    17.226  0.002200
.
23341   2.300 -0.538803     1.057   -104.997    -2.623   -12.904     1.212
               -0.044908  0.842230   -15.031 -0.089764    -2.882  0.975515
.
.
23351       0 -0.596060 -0.002337    -7.802    -3.596    58.105  0.003527
                0.045235  0.000545   126.625     2.484     9.455 -0.001047
.
23351   1.150 -0.590835  0.000541    -70.797     2.484    74.142 -0.000420
               -0.036657  0.627739     6.489  0.088871    17.829  0.007629
.
23351   2.300 -0.586135  0.000541   -103.465     2.484   -10.456  0.000202
               -0.041358  0.627739   -14.943  0.088868    -2.632  0.729500
.
.
23361       0 -0.573468    -1.081    -8.244     7.267    61.267     1.241
                0.099046 -0.156827   127.488    -1.398     1.998  0.189697
.
23361   1.150 -0.563175    -1.084    -69.356     1.192    67.975 -0.001182
               -0.007514 -0.865984     6.066 -0.983459    17.198 -0.000829
.
23361   2.300 -0.540724    -1.060   -102.358  0.143297   -15.801    -1.215
               -0.029966 -0.890339   -15.033  0.065318    -2.913    -1.029
.
.
23371       0 -0.499993    -2.315    -1.702    10.221    45.119     2.651
                0.262999 -0.071738   125.887     2.180 -0.797745  0.108260
.
23371   1.150 -0.469864    -2.314    -69.249     7.136    64.675 -0.009271
                0.227873 -0.284455     4.726     4.540 -0.992901  0.021077
.
23371   2.300 -0.381727    -2.264   -103.297     5.069   -21.510    -2.601
                0.139735 -0.333733   -15.326     6.608   -20.112 -0.374551
.
.
23381       0 -0.442666    -3.295     4.743    12.003    27.325     3.760
                0.586856  0.007011   127.745     5.703   -14.397  0.030876
.
23381   1.150 -0.376577    -3.279    -64.519    12.716    55.435 -0.024449
                0.498519 -0.167605     3.471     7.812    -1.449  0.036209
.
23381   2.300 -0.165103    -3.224   -100.382     9.722   -29.512    -3.718
                0.287045 -0.222802   -14.766    10.806   -17.811 -0.234224
.
.
23391       0 -0.338805    -3.448     2.496    16.317    22.128     3.929
                0.746511 -0.089850   142.706    -1.343   -59.014  0.109619
.
23391   1.150 -0.321633    -3.523    -46.619     6.812    31.398 -0.022677
                0.484046 -0.564592     4.241    -1.029     3.815  0.006312
.
23391   2.300 -0.202577    -3.573    -84.124     3.450   -37.912    -4.146
                0.364990 -0.513996   -12.355     2.333    -6.714 -0.570414
.
.
23401       0    -1.282  0.463620    17.667   -15.900   -10.836 -0.495694
                  1.062  0.553056    41.672   -16.116   -25.325 -0.360765
.
```

23401	1.150	-1.282	0.463620	1.490	-15.900	0.178655	0.037447
		1.062	0.553056	3.749	-16.116	0.791247	0.275223
.							
23401	2.300	-0.626141	0.865308	-34.803	-16.947	-16.691	1.314
		0.406124	0.151368	-14.059	-15.068	-7.421	0.168030
.							
.							
23411	0	0.551492	-0.212172	16.110	-14.477	-2.447	0.177269
		0.705300	2.538	49.383	-14.234	-30.544	-2.839
.							
23411	1.150	0.970623	-0.387700	-0.113754	-15.287	12.431	-0.122857
		0.286169	2.714	11.506	-13.425	-1.214	0.136353
.							
23411	2.300	1.159	-0.522951	-35.557	-15.441	-4.760	-0.752022
		0.097903	2.849	-7.152	-13.270	-2.029	3.441
.							
.							
23421	0	0.128185	0.033046	12.456	-13.066	5.930	-0.068243
		1.103	2.010	46.355	-10.766	-22.546	-2.333
.							
23421	1.150	0.209215	-0.068159	-5.634	-13.643	19.298	-0.050579
		1.022	2.111	10.344	-10.190	0.609156	-0.001195
.							
23421	2.300	0.239643	-0.152269	-41.138	-13.761	-3.512	-0.234288
		0.991364	2.195	-8.253	-10.071	-2.271	2.532
.							
.							
23431	0	0.002788	0.233944	9.540	-10.651	11.701	-0.278969
		1.039	1.354	44.215	-9.792	-18.813	-1.585
.							
23431	1.150	0.003139	0.190443	-10.079	-10.991	23.588	-0.011598
		1.039	1.398	9.733	-9.453	0.008275	-0.026418
.							
23431	2.300	-0.005764	0.151336	-45.779	-11.085	-4.177	0.161228
		1.048	1.437	-8.667	-9.379	-3.730	1.627
.							
.							
23441	0	-0.013048	0.002318	8.041	-7.280	13.945	-0.003939
		0.983143	0.861101	43.344	-5.052	-17.231	-1.007
.							
23441	1.150	-0.021473	-0.014028	-12.502	-7.430	25.225	-0.000990
		0.991569	0.877448	9.786	-4.902	-0.527864	-0.017392
.							
23441	2.300	-0.038648	-0.029035	-48.326	-7.464	-5.284	-0.034656
		1.009	0.892455	-8.491	-4.867	-4.249	1.009
.							
.							
23451	0	-0.014150	0.005441	8.503	-2.701	11.516	-0.005921
		0.968414	0.077291	42.802	-0.011108	-16.224	-0.090069
.							
23451	1.150	-0.023520	0.005441	-12.344	-2.701	23.700	0.000335
		0.977783	0.077291	9.549	-0.011108	-0.514670	-0.001188
.							
23451	2.300	-0.042740	0.005441	-48.208	-2.701	-6.617	0.006592
		0.997003	0.077291	-8.688	-0.011108	-4.519	0.087693
.							
.							
23461	0	-0.009457	0.002938	7.541	7.737	13.515	-0.002226
		0.980181	-0.708321	43.089	5.063	-16.620	0.829190
.							
23461	1.150	-0.017861	0.019284	-13.002	7.887	24.221	0.000868
		0.988585	-0.724667	9.531	4.913	-0.210850	0.014937
.							
23461	2.300	-0.035036	0.034290	-48.826	7.921	-6.863	0.040578
		1.006	-0.739674	-8.746	4.879	-4.225	-0.835931
.							
.							
23471	0	0.008046	-0.220999	8.616	12.262	12.645	0.264083
		1.037	-1.436	43.904	9.000	-17.696	1.681
.							
23471	1.150	0.008397	-0.177498	-11.003	12.601	23.471	0.011598
		1.036	-1.480	9.422	8.661	0.767442	0.027487
.							
23471	2.300	-0.000506	-0.138391	-46.703	12.675	-5.357	-0.146343
		1.045	-1.519	-8.979	8.587	-3.329	-1.721
.							
.							
23481	0	0.137600	-0.008929	11.631	15.526	7.058	0.040540
		1.050	-2.233	45.145	12.517	-20.242	2.591
.							
23481	1.150	0.218653	0.092276	-6.459	16.102	19.478	0.050610
		0.968544	-2.334	9.134	11.941	1.522	0.002927
.							
23481	2.300	0.249081	0.176386	-41.963	16.221	-4.282	0.262052
		0.938117	-2.413	-9.462	11.822	-2.748	-2.786
.							
.							
23491	0	0.567770	0.247016	15.632	17.446	-1.722	-0.217586
		0.700684	-2.663	49.137	9.797	-28.882	2.998
.							
23491	1.150	0.986901	0.422543	-0.591966	18.256	12.606	0.122609
		0.281553	-2.838	11.260	8.988	0.164126	-0.120213
.							
23491	2.300	1.175	0.557793	-36.035	18.410	-5.135	0.791841
		0.093268	-2.974	-7.398	8.833	-0.933902	-3.568
.							
.							
23501	0	0.128830	0.388905	12.910	-6.490	-7.764	-0.921256
		1.137	0.687711	122.250	-9.589	-63.415	-1.353
.							
23501	1.150	0.240819	0.162975	-65.994	-6.031	32.456	-0.371240
		0.151285	0.233520	-1.617	-9.686	0.022161	-0.080014
.							
23501	2.300	0.240819	0.162975	-103.917	-6.031	-65.239	-0.183827
		0.151285	0.233520	-17.795	-9.686	-11.139	0.188523
.							
.							
23601	0	-1.343	-0.862089	10.872	-0.494	-0.138	1.197
		0.469710	0.240987	156.767	6.900	-71.132	-0.250328
.							
23601	1.150	-1.098	-0.703409	-32.495	-2.202	17.079	0.122695
		0.478048	0.236664	77.113	1.311	47.900	-0.097030
.							
23601	2.300	-0.906894	-0.643324	-111.308	-3.826	-58.025	-0.756306
		0.254164	0.652000	-14.215	-0.353227	-6.089	0.766831
.							
.							
23701	0	-0.784846	-0.806118	14.766	12.251	-6.123	0.728501

```
                0.563204 -0.061169   139.595     4.322   -65.157 -0.023122
.
23701    1.150 -0.612182 -0.945120   -48.827 -0.815109    28.296 -0.169867
                0.279747  0.669219 -0.616301     5.443     1.873 -0.034588
.
23701    2.300 -0.612182 -0.945120   -86.750 -0.815109   -49.657    -1.257
                0.279747  0.669219   -16.794     5.443    -8.137  0.734984
.
.
23801        0    -1.304 -0.587492    17.678    14.415   -10.886  0.639469
                   1.070 -0.538098    41.693    19.237   -25.339  0.336650
.
23801    1.150    -1.304 -0.587492     1.501    14.415  0.141454 -0.036120
                   1.070 -0.538098     3.770    19.237  0.801023 -0.282138
.
23801    2.300 -0.648667 -0.989179   -34.792    15.463   -16.716    -1.455
                0.414268 -0.136412   -14.038    18.190    -7.387 -0.157747
.
.
24101        0 -0.076376  0.350702    11.177     6.104    -6.705 -0.199298
                   1.013  0.281363   117.877     8.755   -61.735  0.073779
.
24101    1.150 -0.473700  0.701284   -64.826     3.982    32.492 -0.162790
              -0.148479 -0.303187    -1.197     9.702  0.053882 -0.119494
.
24101    2.300 -0.473700  0.701284   -97.172     3.982   -60.653  0.643654
              -0.148479 -0.303187   -14.995     9.702    -9.256 -0.468145
.
.
24111        0 -0.567808  0.138403     4.102     9.052    -1.067 -0.098974
              -0.676860     2.398    99.055     5.974   -18.322    -3.068
.
24111    1.150    1.015  0.644885   -83.915     7.973    53.449 -0.082396
                -1.240     2.084     3.911     5.705    11.489 -0.260944
.
24111    2.300    1.015  0.644885  -116.261     7.973   -61.648  0.659193
                -1.240     2.084    -9.888     5.705     8.052     2.136
.
.
24121        0 -0.130413  0.296234     4.905     6.765    -1.153 -0.296269
                -2.825     1.621   103.509     3.712   -15.466    -2.001
.
24121    1.150  0.203557  0.501202   -80.854     4.496    54.720 -0.026203
                -2.864     1.466     9.243     5.836    29.131 -0.121336
.
24121    2.300  0.331792  0.556250  -112.201     5.448   -49.497  0.594567
                -2.992     1.411    -5.555     4.884    24.466     1.520
.
.
24131        0  0.044340  0.229558    10.649    10.144    -4.390 -0.254891
                -3.445  0.647182   117.110     3.958   -13.714 -0.756505
.
24131    1.150  0.135379  0.212607   -68.638     4.521    70.354  0.002420
                -3.526  0.448453    10.376     3.586    25.131 -0.014773
.
24131    2.300  0.169440  0.221273   -98.890     5.170   -17.233  0.252626
                -3.560  0.439787    -5.517     2.937    19.187  0.495209
.
.
```

```
24141        0  0.005407  0.298163    11.108     1.488    -1.368 -0.340410
                -3.489  0.057338   118.106     1.215    -8.936 -0.063180
.
24141    1.150  0.130822  0.069503   -68.511     1.490    75.214  0.001032
                -3.574 -0.159151    15.004     3.230    31.226  0.001706
.
24141    2.300  0.149631  0.057361   -98.069     1.816   -10.632  0.066757
                -3.592 -0.147009    -1.583     2.904    29.009 -0.167111
.
.
24151        0  0.008693  0.370631    11.266  0.318293    -1.382 -0.423384
                -3.489 -0.663004   120.725    -1.473   -13.305  0.754866
.
24151    1.150  0.124403  0.110478   -66.186    -1.455    73.494 -0.001502
                -3.547 -0.902068    15.749     2.263    37.254 -0.003440
.
24151    2.300  0.143680  0.087854   -95.509    -1.455    -9.141  0.099322
                -3.566 -0.879444    -1.072     2.263    35.356    -1.015
.
.
24161        0  0.065494  0.042517    10.928    -2.877    -4.458 -0.046082
                -3.497    -1.616   118.454  0.241801   -13.657     1.844
.
24161    1.150  0.129075 -0.137164   -68.153  0.002910    70.907  0.003214
                -3.546    -1.368    16.230    -3.298    38.019 -0.018741
.
24161    2.300  0.147828 -0.169072   -97.711 -0.323268   -14.527 -0.191853
                -3.565    -1.336 -0.356448    -2.972    37.212    -1.555
.
.
24171        0  0.098295 -0.128024     8.981    -8.170    -4.484  0.147510
                -3.461    -2.207   113.820    -2.673    -9.389     2.531
.
24171    1.150  0.189116 -0.286406   -71.902    -3.175    70.936  0.006772
                -3.551    -1.975    13.869    -4.120    29.932 -0.009260
.
24171    2.300  0.214531 -0.331356  -102.153    -3.825   -20.405 -0.372441
                -3.576    -1.931    -2.024    -3.470    28.006    -2.231
.
.
24181        0  0.098424 -0.307246     7.661   -12.903    -3.232  0.343476
                -2.960    -2.736   110.717    -5.592   -14.462     3.300
.
24181    1.150  0.401211 -0.462895   -73.601    -6.348    64.088  0.039597
                -3.130    -2.552     7.751    -4.413    21.710  0.080868
.
24181    2.300  0.494374 -0.525888  -104.947    -7.300   -31.788 -0.550571
                -3.223    -2.489    -7.047    -3.461    15.330    -2.796
.
.
24191        0 -0.065934 -0.233793     4.412    -5.496  0.181984  0.249367
                -1.586    -2.923    99.640    -4.301   -23.389     3.612
.
24191    1.150  0.689551 -0.522013   -83.271    -6.267    49.173  0.056466
                -1.393    -2.822     1.562    -6.341    14.004  0.261512
.
24191    2.300  0.689551 -0.522013  -115.617    -6.267   -65.183 -0.543824
                -1.393    -2.822   -12.236    -6.341     7.867    -2.984
.
```

24201	0	-0.893661	-0.087811	14.413	7.278	-7.081	0.118767
		0.501837	0.326412	151.165	-2.339	-68.466	-0.333600
24201	1.150	-0.923397	0.816571	-32.721	-2.606	16.927	-0.061545
		0.472618	0.230763	76.952	1.759	47.163	0.095353
24201	2.300	-0.854377	0.166084	-106.031	0.693312	-55.865	0.159151
		0.232807	0.227704	-11.958	0.111114	-5.132	0.280310
24211	0	-0.941237	1.298	5.683	-10.146	9.425	-1.547
		0.092186	0.516200	149.395	-4.107	-59.665	-0.583163
24211	1.150	-1.061	1.647	-34.158	-6.764	26.916	-0.041622
		0.330582	0.341723	69.710	6.223	53.111	-0.022906
24211	2.300	-0.665928	1.455	-113.456	1.198	-53.388	1.596
		0.123520	0.306395	-5.786	10.230	12.616	0.343934
24221	0	-1.561	1.191	-3.140	-8.677	26.523	-1.435
		0.159483	0.543070	143.949	-1.747	-49.238	-0.626221
24221	1.150	-1.586	1.484	-39.916	-4.012	31.771	-0.061234
		0.135413	0.391199	71.925	4.148	56.660	-0.015109
24221	2.300	-1.459	1.278	-113.187	-0.049368	-47.164	1.388
		0.097583	0.371367	-1.022	8.796	28.470	0.424469
24231	0	-2.035	0.264861	2.167	-5.340	19.452	-0.336818
		0.187441	0.290391	127.999	-5.352	-17.061	-0.343028
24231	1.150	-1.916	0.513932	-56.441	-7.158	46.040	-0.037775
		0.077926	0.372537	81.924	6.093	75.941	-0.000278
24231	2.300	-1.974	0.546979	-105.207	2.943	-16.935	0.596095
		0.037015	0.333527	-4.609	5.661	22.125	0.385750
24241	0	-2.182	-0.585536	-3.352	-4.593	29.334	0.671045
		0.136138	0.329503	124.718	-1.587	-9.379	-0.383910
24241	1.150	-2.102	-0.304981	-60.150	-2.572	50.072	-0.007471
		0.075241	0.356316	82.649	2.408	80.865	-0.001542
24241	2.300	-2.133	-0.317929	-105.808	0.741422	-11.721	-0.370528
		0.055810	0.325224	-1.041	4.252	31.458	0.374093
24251	0	-2.187	-1.291	-7.823	-3.017	36.957	1.497
		0.142905	0.153780	124.888	2.067	-9.127	-0.176348
24251	1.150	-2.135	-0.990251	-60.115	2.071	50.356	0.008599
		0.090190	0.140462	83.138	-1.432	80.851	-0.000130
24251	2.300	-2.156	-1.035	-105.757	-1.421	-11.538	-1.181
		0.086017	0.112706	1.148	2.130	38.179	0.130861
24261	0	-2.099	-1.726	-8.466	4.941	39.031	2.003
		0.191037	-0.289320	126.982	-0.424446	-14.672	0.345808
24261	1.150	-2.030	-2.031	-57.878	0.548027	47.328	0.026826
		0.112347	-0.035456	81.924	-0.923722	76.225	0.005671
24261	2.300	-2.055	-1.851	-106.534	0.743336	-17.225	-2.105
		0.100739	-0.005866	1.646	-4.493	40.915	-0.002994
24271	0	-1.954	-2.548	-2.876	6.490	28.470	2.960
		0.325411	-0.255726	128.784	3.296	-19.056	0.310877
24271	1.150	-1.824	-2.878	-55.632	5.094	44.885	0.037268
		0.199746	-0.066642	80.434	-4.595	74.191	0.013535
24271	2.300	-1.853	-2.705	-106.696	-1.444	-20.411	-3.072
		0.162797	-0.028876	-1.112	-6.476	31.295	-0.023223
24281	0	-1.753	-3.054	3.726	7.269	15.843	3.539
		0.446268	-0.177027	134.444	7.018	-31.163	0.205908
24281	1.150	-1.697	-3.338	-49.327	9.273	38.769	0.013846
		0.462373	-0.119247	78.396	-7.790	67.699	0.031202
24281	2.300	-1.547	-3.276	-106.670	-3.597	-28.705	-3.725
		0.303235	-0.072026	-5.248	-7.709	19.067	-0.061932
24291	0	-1.789	-2.791	4.876	10.117	10.552	3.195
		0.262193	-0.299621	152.181	0.964670	-64.802	0.333942
24291	1.150	-1.919	-3.060	-31.222	3.619	24.811	-0.007994
		0.626649	-0.154878	68.200	-4.009	49.636	0.028389
24291	2.300	-1.452	-2.851	-114.893	1.015	-58.598	-3.259
		0.656868	-0.208873	-6.394	-10.262	12.584	-0.219020
24301	0	-1.054	0.028607	12.569	-0.080257	-5.240	-0.143474
		0.246594	-0.114875	134.408	-0.663414	-63.096	0.059977
24301	1.150	-0.590735	-0.039418	-48.567	-2.681	27.573	0.060634
		0.021943	0.313322	-0.520058	-3.160	1.595	-0.099701
24301	2.300	-0.590735	-0.039418	-80.913	-2.681	-46.875	0.015304
		0.021943	0.313322	-14.318	-3.160	-6.937	0.260605
24311	0	-0.904204	1.152	4.221	-11.927	12.911	-1.300
		0.655926	0.091226	135.267	-1.964	-54.105	-0.132020

```
24311    1.150 -0.667277     1.151   -47.899    -6.989    32.475  0.007801
                0.112067  0.594792     4.387    -1.748  0.172896 -0.011706
.
24311    2.300 -0.530901     1.152   -80.036    -4.914   -36.866     1.335
               -0.024309  0.593531    -9.620    -3.823    -7.054  0.668446
.
.
24321        0 -0.652551     1.059    -2.633   -10.250    29.744    -1.191
                0.316861  0.213687   134.375 -0.355518   -47.732 -0.277708
.
24321    1.150 -0.558229     1.049   -50.738    -4.553    35.457  0.012166
                0.013950  0.630056     6.010    -1.009  0.708468 -0.003531
.
24321    2.300 -0.458234     1.072   -81.729    -2.844   -33.933     1.239
               -0.086045  0.606997    -9.143    -2.718    -7.868  0.700135
.
.
24331        0 -0.577262  0.469752     2.628    -6.560    22.238 -0.528218
                0.075324  0.282856   123.982    -3.926   -17.179 -0.335380
.
24331    1.150 -0.535256  0.459244    -63.149    -7.075    52.288  0.009583
                0.036144  0.304549     3.968    -4.505    -4.166 -0.004342
.
24331    2.300 -0.510221  0.468156    -92.804    -5.732   -28.331  0.542453
                0.011109  0.295637    -12.522    -5.848   -18.134  0.341114
.
.
24341        0 -0.534751 -0.342704    -1.785    -4.997    31.784  0.392744
                0.019065  0.321950   123.413    -1.078   -11.135 -0.370759
.
24341    1.150 -0.514001 -0.346281    -65.044    -2.745    56.636 -0.002910
                0.011935  0.357844     4.902    -1.878    -4.795  0.000847
.
24341    2.300 -0.517522 -0.328092    -93.800    -2.063   -24.271 -0.381619
                0.015457  0.339655    -12.487    -2.559   -19.581  0.392852
.
.
24351        0 -0.512812    -1.021    -5.424    -2.593    39.466     1.170
                0.012024  0.153343   124.142     1.734   -11.781 -0.171906
.
24351    1.150 -0.508377    -1.022    -64.753     1.745    56.751 -0.005430
               -0.086197  0.662773     5.133  0.063180    11.583  0.009130
.
24351    2.300 -0.511401 -0.991201    -93.207     1.738   -23.172    -1.144
               -0.083173  0.632068    -12.557  0.070336    -3.586  0.734543
.
.
24361        0 -0.503763    -1.762    -6.108     5.292    42.200     2.022
                0.090022  0.062321   125.308 -0.724041   -17.468 -0.060872
.
24361    1.150 -0.490363    -1.760    -63.151  0.943016    52.570 -0.001878
                0.066717 -0.203813     5.298  0.782596    -2.982  0.008354
.
24361    2.300 -0.469319    -1.716    -91.898  0.248433   -26.123    -1.971
                0.045673 -0.248151    -12.099     1.477   -17.348 -0.281270
.
.
24371        0 -0.444672    -2.541    -1.712     7.558    31.621     2.921
                0.222922  0.110603   124.920     2.099   -19.899 -0.110346
.
24371    1.150 -0.404154    -2.534    -62.210     5.250    50.660  0.002603
                0.180252 -0.138614     5.747     3.198    -4.249  0.015639
.
24371    2.300 -0.333975    -2.479    -91.842     3.897   -28.804    -2.841
                0.110073 -0.193581    -10.765     4.551   -16.247 -0.213474
.
.
24381        0 -0.317119    -3.024     3.454     8.943    19.183     3.486
                0.392864  0.140195   126.325     4.865   -28.991 -0.147719
.
24381    1.150 -0.185131    -2.974    -58.741     9.058    45.016  0.021041
                0.284457 -0.103998     4.383     5.555    -3.562  0.015539
.
24381    2.300 -0.105049    -2.960    -89.731     7.349   -33.577    -3.386
                0.234376 -0.118013    -10.770     7.263   -14.010 -0.116865
.
.
24391        0  0.033295    -2.617     3.899    11.933    13.769     3.020
                0.317658 -0.030250   137.996 -0.760221   -60.221  0.026875
.
24391    1.150  0.011808    -2.683    -45.097     4.263    29.581  0.018198
                0.299249 -0.349086     3.958 -0.721044     2.418  0.003774
.
24391    2.300  0.004247    -2.729    -77.234     2.189   -36.538    -3.133
                0.306809 -0.303040    -10.049     1.353    -5.302 -0.331931
.
.
24401        0    -1.336  0.417296     14.948    -9.086    -9.281 -0.646551
                0.382807 -0.619541     35.339    -3.570   -21.340  0.581949
.
24401    1.150    -1.336  0.417296      1.149    -9.086 -0.025481 -0.166681
                0.382807 -0.619541      2.993    -3.570  0.700341 -0.130495
.
24401    2.300 -0.951833  0.298644    -29.944    -10.527   -14.598  0.260232
               -0.001857 -0.500889    -12.058    -2.129    -6.495 -0.789980
.
.
24411        0  0.058412  0.049389     14.589    -10.951   -4.493 -0.068575
               -0.375124     1.430     43.326    -9.937   -28.844    -1.501
.
24411    1.150  0.058412  0.049389  0.790265    -10.951    4.350 -0.011780
               -0.375124     1.430     10.980    -9.937    2.380  0.143011
.
24411    2.300  0.402486 -0.111251    -29.282    -12.309   -4.918 -0.175479
               -0.719198     1.591    -5.092    -8.579   -1.348     2.008
.
.
24421        0  0.020778  0.188906     12.554    -9.740  0.217539 -0.226353
                0.574697     1.020     41.866    -7.705   -24.152    -1.121
.
24421    1.150  0.131852  0.119885    -2.243    -10.691    12.932 -0.029496
                0.463623     1.089     10.519    -6.753 -0.817101  0.073177
.
24421    2.300  0.099232  0.117569    -32.517    -10.833   -3.674  0.106607
                0.496243     1.092    -5.351    -6.611    -1.227     1.328
.
.
24431        0 -0.018828  0.160339     10.920    -7.785     3.219 -0.187662
```

		0.791863	0.557900	39.336	-5.854	-19.189	-0.639172
.							
24431	1.150	-0.009433	0.143348	-4.973	-8.434	15.375	-0.007940
		0.782468	0.574891	9.085	-5.205	-0.085549	0.007047
.							
24431	2.300	-0.034668	0.145469	-35.399	-8.536	-4.190	0.159681
		0.807703	0.572770	-6.633	-5.103	-2.324	0.665368
.							
.							
24441	0	-0.014446	0.040213	10.220	-5.059	3.846	-0.046861
		0.799171	0.055505	38.904	-3.096	-18.418	-0.067677
.							
24441	1.150	-0.022456	0.048442	-6.366	-5.385	15.996	-0.000978
		0.807181	0.047275	9.346	-2.770	-0.609400	-0.003490
.							
24441	2.300	-0.044959	0.052235	-36.910	-5.447	-5.122	0.059155
		0.829684	0.043482	-6.254	-2.708	-2.596	0.046448
.							
.							
24451	0	-0.008503	0.099548	10.985	-1.576	1.118	-0.114363
		0.789236	-0.615118	38.738	-0.131862	-18.171	0.712419
.							
24451	1.150	-0.016550	0.122093	-5.836	-1.576	14.414	-9.10E-05
		0.797283	-0.637664	9.415	-0.131993	-0.820333	0.005265
.							
24451	2.300	-0.037099	0.129117	-36.424	-1.600	-6.082	0.148532
		0.817832	-0.644688	-6.141	-0.107652	-2.740	-0.736241
.							
.							
24461	0	-0.003621	0.131422	10.380	5.381	2.241	-0.151911
		0.813300	-1.244	39.140	2.870	-18.861	1.448
.							
24461	1.150	-0.011706	0.167086	-6.207	5.707	14.574	-0.001299
		0.821385	-1.280	9.583	2.543	-0.780983	0.017759
.							
24461	2.300	-0.029259	0.181404	-36.765	5.720	-6.357	0.207612
		0.838938	-1.294	-6.004	2.531	-2.500	-1.471
.							
.							
24471	0	0.005318	0.060917	10.594	8.888	3.007	-0.067281
		0.888198	-1.690	39.248	5.700	-18.971	1.970
.							
24471	1.150	0.006067	0.114046	-5.299	9.537	14.788	0.005023
		0.887450	-1.744	8.996	5.050	0.030812	0.023999
.							
24471	2.300	-0.003306	0.142991	-35.757	9.587	-5.143	0.170934
		0.896822	-1.772	-6.690	5.000	-2.318	-2.016
.							
.							
24481	0	0.070520	0.017707	12.204	11.397	0.427392	-0.007487
		0.929617	-1.980	40.412	13.358	-22.599	2.283
.							
24481	1.150	0.146653	0.094597	-2.594	12.349	12.738	0.028985
		0.853484	-2.057	9.065	12.406	-0.935828	-0.009301
.							
24481	2.300	0.172485	0.148577	-32.920	12.435	-4.253	0.206753
		0.827652	-2.111	-6.753	12.320	-3.034	-2.443
.							
.							

24491	0	0.255088	0.068754	14.316	12.958	-4.106	-0.053643
		0.462273	-2.111	42.541	6.624	-26.070	2.349
.							
24491	1.150	0.255088	0.068754	0.517355	12.958	4.422	0.025421
		0.462273	-2.111	10.196	6.624	4.253	-0.078856
.							
24491	2.300	0.690146	0.210156	-29.627	14.256	-5.115	0.312914
		0.027215	-2.252	-5.804	5.325	-0.421890	-2.715
.							
.							
24501	0	-0.100175	0.785501	11.311	-7.042	-6.437	-1.112
		0.790147	0.485810	117.850	-6.795	-60.902	-0.823128
.							
24501	1.150	-0.082963	0.762674	-64.754	-5.160	33.242	-0.101960
		0.108739	-0.096874	-1.156	-5.844	0.354206	-0.040312
.							
24501	2.300	-0.082963	0.762674	-97.100	-5.160	-59.820	0.775080
		0.108739	-0.096874	-14.954	-5.844	-8.909	-0.151713
.							
.							
24601	0	-1.108	-0.121845	14.311	-8.601	-6.828	0.206890
		0.265362	0.606696	150.619	4.741	-67.535	-0.618205
.							
24601	1.150	-1.215	0.376926	-32.698	-0.960988	17.059	0.201083
		0.375598	0.165029	76.562	0.754993	47.500	-0.060025
.							
24601	2.300	-1.014	0.142609	-106.148	-2.420	-55.766	0.246214
		0.285660	0.409895	-12.299	-0.094438	-5.211	0.437805
.							
.							
24701	0	-0.575259	0.043636	12.689	9.584	-5.133	-0.258305
		0.367000	-0.180268	134.485	2.769	-62.951	0.193404
.							
24701	1.150	-0.502480	-0.210942	-48.226	-0.405244	27.931	-0.155470
		0.187119	0.597420	-0.479306	3.186	1.725	-0.002561
.							
24701	2.300	-0.502480	-0.210942	-80.571	-0.405244	-46.184	-0.398043
		0.187119	0.597420	-14.278	3.186	-6.760	0.684445
.							
.							
24801	0	-1.017	0.497749	14.853	8.576	-8.709	-0.644773
		0.632720	-0.408938	35.035	3.351	-20.083	0.414255
.							
24801	1.150	-1.017	0.497749	1.054	8.576	0.437199	-0.072384
		0.632720	-0.408938	2.690	3.351	1.608	-0.056004
.							
24801	2.300	-0.583106	0.196069	-30.102	9.957	-14.094	0.030684
		0.199103	-0.107258	-12.299	1.969	-6.087	-0.056945
.							
.							
25101	0	0.046629	0.554354	10.233	6.401	-5.789	-0.430033
		1.000	0.346607	115.213	7.529	-60.014	-0.069819
.							
25101	1.150	-0.290808	0.910167	-64.088	3.543	33.185	-0.033154
		-0.125133	-0.376215	-0.917866	7.467	0.355877	-0.072173
.							
25101	2.300	-0.290808	0.910167	-93.088	3.543	-57.188	1.013
		-0.125133	-0.376215	-13.289	7.467	-7.813	-0.504802
.							

.							
25111	0	-0.323396	0.139294	3.068	6.931	-0.499821	-0.126837
		-0.218911	2.206	96.266	5.654	-19.640	-2.787
.							
25111	1.150	1.328	0.675816	-83.240	6.863	51.069	-0.072867
		-0.884881	1.895	3.230	6.079	10.207	-0.210994
.							
25111	2.300	1.328	0.675816	-112.240	6.863	-61.328	0.704291
		-0.884881	1.895	-9.142	6.079	6.808	1.968
.							
.							
25121	0	-0.086924	0.125277	3.457	5.239	-0.491984	-0.114945
		-2.289	1.759	99.488	3.855	-16.626	-2.166
.							
25121	1.150	0.380055	0.317531	-80.952	3.903	52.248	-0.043483
		-2.419	1.684	6.710	6.238	25.447	-0.119970
.							
25121	2.300	0.499857	0.401402	-109.366	4.903	-51.710	0.403376
		-2.539	1.600	-6.248	5.238	20.242	1.734
.							
.							
25131	0	0.039158	0.127478	7.514	8.247	-3.467	-0.139823
		-3.106	0.984262	111.440	4.508	-14.825	-1.152
.							
25131	1.150	0.151463	0.187941	-70.125	4.581	66.394	-0.003106
		-3.205	0.924587	9.415	4.089	22.371	-0.017250
.							
25131	2.300	0.182722	0.242216	-97.675	5.302	-23.069	0.271416
		-3.236	0.870312	-4.406	3.369	18.232	0.987584
.							
.							
25141	0	0.053784	0.123794	7.925	3.928	-4.254	-0.142057
		-3.220	0.370938	111.871	1.955	-9.873	-0.423892
.							
25141	1.150	0.131582	0.180694	-70.420	2.020	70.976	5.90E-05
		-3.300	0.311553	13.134	3.473	27.686	0.004012
.							
25141	2.300	0.144216	0.220781	-97.401	2.427	-17.525	0.253819
		-3.313	0.271466	-1.256	3.066	26.523	0.316313
.							
.							
25151	0	0.040991	0.052629	9.135	-0.648400	-4.003	-0.060778
		-3.233	-0.119041	115.057	-0.518753	-14.471	0.134736
.							
25151	1.150	0.112684	0.126406	-67.486	-0.546416	69.749	-0.001736
		-3.283	-0.192769	12.809	2.376	33.019	0.002811
.							
25151	2.300	0.125150	0.161142	-94.259	-0.465814	-14.901	0.183930
		-3.295	-0.227003	-1.790	2.296	31.006	-0.259169
.							
.							
25161	0	0.030672	0.042997	7.903	-2.061	-3.417	-0.049625
		-3.259	-0.730870	113.062	0.616326	-14.549	0.836104
.							
25161	1.150	0.113595	0.063464	-69.234	0.565549	67.661	0.003089
		-3.307	-0.655505	13.527	-2.551	34.038	-0.009456
.							
25161	2.300	0.126968	0.096479	-96.177	0.319064	-19.369	0.114237
		-3.320	-0.688520	-0.901174	-2.304	33.220	-0.801424

.							
.							
25171	0	0.028760	0.047372	6.320	-6.120	-3.194	-0.054570
		-3.288	-1.241	108.456	-2.002	-9.606	1.420
.							
25171	1.150	0.126589	0.090006	-73.036	-2.049	68.158	-0.000275
		-3.365	-1.190	12.594	-3.596	27.383	-0.007573
.							
25171	2.300	0.139442	0.122967	-100.586	-2.613	-24.509	0.141088
		-3.378	-1.223	-1.278	-3.033	26.699	-1.414
.							
.							
25181	0	-3.251	-1.889	3.776	-4.628	-0.559557	2.208
		0.098848	0.184254	106.221	-4.562	-13.499	-0.221415
.							
25181	1.150	-3.189	-1.867	-81.110	-2.553	56.137	0.035360
		0.033451	0.210620	7.462	-4.130	20.952	-0.005682
.							
25181	2.300	-3.181	-1.832	-109.567	-3.402	-47.768	-2.073
		0.025582	0.176349	-5.452	-3.281	16.377	0.198062
.							
.							
25191	0	-2.225	-2.407	1.646	-6.363	0.682207	2.946
		-0.049178	0.217606	89.376	-4.311	-3.042	-0.275800
.							
25191	1.150	-2.233	-2.321	-90.076	-5.503	60.116	0.162891
		-0.092626	0.238817	1.484	-3.299	10.280	-0.019697
.							
25191	2.300	-2.233	-2.321	-119.076	-5.503	-60.142	-2.506
		-0.092626	0.238817	-10.838	-3.299	4.873	0.254931
.							
.							
25201	0	-0.873844	-0.292521	12.841	5.943	-6.118	0.347659
		0.614235	1.049	147.362	-1.644	-66.085	-1.091
.							
25201	1.150	-0.825042	0.845261	-32.873	-2.497	16.958	-0.012371
		0.512281	0.620267	76.519	1.763	47.019	0.117333
.							
25201	2.300	-0.839802	-0.094932	-102.984	0.421867	-54.505	-0.131993
		0.441925	0.909486	-10.936	0.141539	-4.654	1.156
.							
.							
25211	0	-0.949025	1.149	5.036	-8.643	8.093	-1.352
		0.476441	0.588682	146.685	-3.474	-59.736	-0.684086
.							
25211	1.150	-0.950166	1.471	-33.208	-5.429	25.365	-0.026574
		0.683062	0.275150	68.731	4.937	51.844	-0.025750
.							
25211	2.300	-0.624011	1.206	-110.750	1.247	-54.347	1.343
		0.407001	0.259613	-5.586	8.491	9.757	0.281047
.							
.							
25221	0	-1.284	1.236	-2.480	-7.341	22.469	-1.478
		0.244995	0.364555	142.294	-1.586	-51.565	-0.426822
.							
25221	1.150	-1.265	1.411	-37.849	-3.258	29.124	-0.057725
		0.292758	0.201054	70.579	3.316	54.505	-0.018302
.							
25221	2.300	-1.123	1.277	-110.376	0.234787	-49.336	1.397

		0.126402	0.188924	-1.805	7.274	22.204	0.211331
.							
.							
25231	0	-1.796	0.748083	0.762832	-4.476	18.438	-0.890907
		0.206166	0.266936	127.507	-4.520	-23.107	-0.316717
.							
25231	1.150	-1.667	0.848937	-52.958	-5.849	41.272	-0.037133
		0.082187	0.171917	79.595	5.039	69.364	-0.002935
.							
25231	2.300	-1.733	0.787720	-102.838	2.749	-24.066	0.872036
		0.032018	0.145738	-3.692	4.698	18.277	0.167600
.							
.							
25241	0	-1.979	0.088927	-3.977	-3.723	26.811	-0.111670
		0.131650	0.302316	124.552	-1.305	-16.344	-0.354245
.							
25241	1.150	-1.903	0.208835	-56.237	-2.030	44.795	-0.014441
		0.056158	0.163702	79.945	2.027	73.348	-0.001807
.							
25241	2.300	-1.947	0.110968	-103.575	0.849261	-20.059	0.115979
		0.029951	0.146333	-0.780225	3.531	25.696	0.168015
.							
.							
25251	0	-2.030	-0.656754	-7.358	-2.313	32.861	0.756202
		0.086233	0.330972	124.077	1.871	-15.266	-0.384863
.							
25251	1.150	-1.993	-0.522441	-56.809	1.801	45.366	-0.002750
		0.036406	0.162211	80.823	-1.072	73.287	-0.001478
.							
25251	2.300	-2.022	-0.642976	-103.097	-1.064	-19.214	-0.740205
		0.022313	0.150409	0.373526	1.804	30.360	0.172160
.							
.							
25261	0	-2.046	-1.246	-8.282	4.224	35.080	1.438
		0.072198	0.180662	126.133	0.098175	-19.792	-0.209017
.							
25261	1.150	-2.022	-1.275	-54.625	0.773345	43.018	0.006442
		0.021161	0.066539	79.420	-0.729614	69.851	-0.000885
.							
25261	2.300	-2.057	-1.333	-104.209	0.547794	-24.216	-1.527
		0.029792	0.075598	0.837892	-3.618	32.924	0.085790
.							
.							
25271	0	-2.011	-1.986	-3.931	5.638	26.921	2.301
		0.060834	0.210737	128.045	3.220	-23.491	-0.245343
.							
25271	1.150	-1.977	-2.000	-52.343	4.510	41.342	0.017104
		0.014671	0.075098	77.353	-3.747	68.523	-0.000590
.							
25271	2.300	-2.010	-2.072	-105.280	-1.362	-27.462	-2.364
		0.020706	0.083345	-1.147	-5.304	25.722	0.095139
.							
.							
25281	0	-1.820	-2.591	1.876	6.383	16.333	3.022
		0.019141	0.167228	141.573	1.922	-48.804	-0.196375
.							
25281	1.150	-1.796	-2.589	-46.873	8.096	36.874	0.040146
		0.009309	0.079338	75.426	-6.570	63.406	-0.000835
.							
25281	2.300	-1.811	-2.680	-111.777	-0.154930	-49.373	-3.038
		0.013793	0.087482	-4.958	-6.376	15.706	0.099714
.							
.							
25291	0	-1.328	-2.929	5.458	6.526	7.838	3.444
		-0.039672	0.202178	148.845	5.989	-58.863	-0.241255
.							
25291	1.150	-1.308	-2.987	-30.893	1.972	22.351	0.079041
		-0.030700	0.171598	64.076	-1.254	59.218	-0.005865
.							
25291	2.300	-1.314	-2.952	-115.141	-3.435	-57.635	-3.316
		-0.010301	0.113166	-8.194	-6.279	9.369	0.127307
.							
.							
25301	0	-0.784000	-0.197226	11.406	-8.173	-4.656	0.240336
		0.112879	0.404669	131.392	-0.422584	-61.769	-0.552748
.							
25301	1.150	-0.545192	-0.187957	-48.107	-2.554	27.430	0.057778
		-0.131319	1.014	-0.419181	-2.232	1.542	-0.136094
.							
25301	2.300	-0.545192	-0.187957	-77.107	-2.554	-44.565	-0.158365
		-0.131319	1.014	-12.790	-2.232	-6.053	1.030
.							
.							
25311	0	-0.699233	0.967274	4.144	-9.983	10.094	-1.101
		0.422319	0.092082	132.940	-1.915	-55.301	-0.108881
.							
25311	1.150	-0.409819	0.981263	-46.541	-5.605	31.407	0.001897
		-0.262681	0.583686	4.286	-1.434	0.004633	0.011529
.							
25311	2.300	-0.335152	0.920557	-75.432	-4.082	-35.292	1.063
		-0.337348	0.644392	-8.194	-2.957	-5.675	0.749969
.							
.							
25321	0	-0.665373	1.067	-1.636	-8.552	23.599	-1.202
		0.391352	0.023349	131.995	-0.615197	-50.115	-0.052419
.							
25321	1.150	-0.497655	1.053	-48.960	-3.697	33.587	0.011311
		-0.018894	0.354380	5.605	-0.883214	0.160622	0.005853
.							
25321	2.300	-0.430741	1.004	-76.957	-2.443	-33.444	1.163
		-0.085809	0.403188	-7.769	-2.137	-6.453	0.471919
.							
.							
25331	0	-0.565115	0.681698	1.787	-5.495	18.431	-0.771473
		0.105572	0.056981	122.212	-3.622	-24.468	-0.075666
.							
25331	1.150	-0.514596	0.661372	-60.220	-5.912	46.242	0.009749
		0.067991	0.192730	4.200	-3.695	-4.689	-0.004026
.							
25331	2.300	-0.479917	0.597634	-87.253	-4.951	-31.192	0.692229
		0.033312	0.256468	-10.138	-4.656	-15.462	0.295672
.							
.							
25341	0	-0.512875	0.041201	-1.894	-4.174	26.090	-0.046324
		0.028773	0.091144	121.782	-1.176	-19.636	-0.109448
.							
25341	1.150	-0.485188	0.028050	-61.738	-2.354	49.708	-0.000493
		0.031026	0.236460	5.178	-1.637	-5.470	-0.002572

```
.
25341   2.300 -0.483695 -0.028453   -88.008    -1.902   -27.882 -0.035670
                0.029532  0.292963    -9.924    -2.089   -16.709  0.336780
.
.
25351       0 -0.509823 -0.695045    -4.432    -2.186    31.784  0.796785
               -0.002919  0.118746   122.072     1.290   -19.603 -0.137946
.
25351   1.150 -0.495467 -0.703465   -61.848     1.298    49.718 -0.003353
                0.008553  0.271867     4.524  0.548909    -4.365 -0.001284
.
25351   2.300 -0.507866 -0.750393   -87.815     1.220   -27.333 -0.867164
                0.020952  0.318795   -10.880  0.626822   -17.021  0.366209
.
.
25361       0 -0.490688    -1.372    -5.088     4.271    34.350     1.574
               -0.027298  0.057440   123.580 -0.509779   -24.618 -0.065440
.
25361   1.150 -0.497284    -1.367   -60.049  0.767631    46.725 -0.003350
               -0.012900  0.134246     5.560  0.704369    -3.295  0.000339
.
25361   2.300 -0.513147    -1.404   -86.178  0.165393   -28.545    -1.618
                0.002964  0.171360    -9.682     1.307   -14.472  0.197516
.
.
25371       0 -0.488942    -2.097    -1.518     6.221    26.109     2.403
               -0.022371  0.077312   124.106     1.935   -27.079 -0.087582
.
25371   1.150 -0.491574    -2.095   -58.527     4.321    45.555 -0.008255
               -0.012996  0.159898     6.248     2.610    -3.807  0.000547
.
25371   2.300 -0.505323    -2.123   -85.282     3.226   -29.194    -2.449
                0.000752  0.187803    -8.369     3.706   -12.964  0.216065
.
.
25381       0 -0.557425    -2.674     3.284     7.447    15.814     3.051
               -0.011361  0.090513   133.261  0.497690   -50.048 -0.101324
.
25381   1.150 -0.559362    -2.674   -55.170     7.655    41.178 -0.023872
               -0.011064  0.118923     6.263  0.698226     1.527  0.002258
.
25381   2.300 -0.565406    -2.695   -83.028     6.131   -31.851    -3.121
               -0.005017  0.139097    -7.250     2.222    -5.472  0.161081
.
.
25391       0 -0.819941    -2.933     6.024     7.703    10.351     3.322
                0.021376  0.134681   136.322     4.061   -57.654 -0.149925
.
25391   1.150 -0.817729    -2.949   -42.896     1.880    38.556 -0.043420
                0.008094  0.176924     5.842     5.239    -4.727  0.002788
.
25391   2.300 -0.817729    -2.949   -71.896     1.880   -27.447    -3.440
                0.008094  0.176924    -6.529     5.239    -5.122  0.206243
.
.
25401       0    -1.290  0.666115    13.251    -6.920    -7.843 -0.893996
                0.439083 -0.427909    31.350    -3.171   -18.002  0.462464
.
25401   1.150    -1.290  0.666115  0.879844    -6.920  0.282085 -0.127995
```



```
                0.439083 -0.427909     2.350    -3.171     1.374 -0.029612
.
25401   2.300 -0.949670  0.584991   -27.119    -8.405   -12.840  0.605561
                0.098677 -0.346785   -11.023    -1.686    -5.577 -0.489242
.
.
25411       0 -0.002179  0.044888    13.425    -9.008    -4.963 -0.060382
               -0.346440     1.252    39.223    -7.918   -26.564    -1.328
.
25411   1.150 -0.002179  0.044888     1.054    -9.008     3.363 -0.008763
               -0.346440     1.252    10.223    -7.918     1.866  0.111089
.
25411   2.300  0.329595 -0.119410   -25.893   -10.426    -4.715 -0.172493
               -0.678214     1.416    -4.202    -6.500 -0.876703     1.766
.
.
25421       0  0.017042  0.024224    12.176    -8.006    -2.012 -0.033730
                0.471656     1.102    38.470    -6.276   -23.455    -1.217
.
25421   1.150  0.122917 -0.071703  -0.781923    -9.007    10.009 -0.021885
                0.365780     1.198    10.056    -5.276    -1.024  0.066364
.
25421   2.300  0.111261 -0.090273   -27.970    -9.211    -3.483 -0.126973
                0.377436     1.216    -4.127    -5.072 -0.654130     1.466
.
.
25431       0 -0.016890  0.065217    11.128    -6.359 -0.242311 -0.077084
                0.713215  0.784814    35.651    -4.389   -17.679 -0.896571
.
25431   1.150 -0.007041  0.002882    -2.693    -7.080    11.626 -0.006484
                0.703366  0.847149     8.100    -3.669  0.458210  0.010326
.
25431   2.300 -0.024448 -0.005145   -29.994    -7.275    -3.867 -0.012550
                0.720773  0.855176    -5.971    -3.473    -1.619  0.993889
.
.
25441       0 -0.026239  0.087361    10.733    -4.116 -0.175949 -0.101256
                0.753860  0.251264    35.346    -2.584   -17.068 -0.293604
.
25441   1.150 -0.037229  0.042408    -3.657    -4.523    11.885 -0.001015
                0.764851  0.296217     8.365    -2.177  0.072323 -0.004442
.
25441   2.300 -0.055343  0.040668   -31.073    -4.714    -4.652  0.045693
                0.782964  0.297957    -5.591    -1.986    -1.765  0.338253
.
.
25451       0 -0.024475  0.036134    11.536    -1.368    -2.783 -0.041888
                0.738398 -0.213313    35.207 -0.582198   -16.778  0.244922
.
25451   1.150 -0.036270 -0.000815    -3.062    -1.449    10.438  3.10E-05
                0.750193 -0.176364     8.434 -0.501596 -0.033648 -0.000745
.
25451   2.300 -0.054827  0.001776   -30.557    -1.641    -5.389  0.001974
                0.768749 -0.178955    -5.443 -0.309305    -1.818 -0.206436
.
.
25461       0 -0.026057  0.037661    11.037     3.936    -1.853 -0.043973
                0.756368 -0.739110    35.447     1.410   -17.040  0.856621
.
```

```
25461    1.150 -0.036879  0.004985    -3.391     4.183    10.620 -0.000374
                0.767190 -0.706435     8.504     1.163  0.153900  0.006387
.
25461    2.300 -0.056216  0.011158   -30.924     3.985    -5.572  0.012311
                0.786527 -0.712607    -5.335     1.361    -1.562 -0.812933
.
.
25471        0 -0.030985  0.050110    10.796     6.773 -0.101963 -0.057613
                0.794541    -1.353    36.054     6.202   -19.651     1.585
.
25471    1.150 -0.040968  0.020654    -3.075     7.336    11.528  0.000332
                0.804525    -1.323     8.553     5.639    -1.194  0.008712
.
25471    2.300 -0.060984  0.030362   -30.610     7.132    -4.295  0.035222
                0.824540    -1.333    -5.283     5.844    -2.859    -1.524
.
.
25481        0  0.719862    -1.859    11.962     8.835    -1.163     2.115
               -0.043588  0.090548    37.827     5.046   -21.219 -0.100386
.
25481    1.150  0.712194    -1.885 -0.951840     9.685    10.898 -0.022232
               -0.035920  0.116419     9.369     4.196  0.186866  0.003162
.
25481    2.300  0.696040    -1.870   -28.459     9.474    -2.484    -2.172
               -0.019767  0.102323    -4.495     4.407 -0.540189  0.119833
.
.
25491        0 -0.037772    -2.257     14.334     1.731    -4.487     2.467
                0.050948  0.158245     40.695     6.730   -26.169 -0.165666
.
25491    1.150 -0.037772    -2.257      1.963     1.731     4.884 -0.128020
                0.050948  0.158245     11.695     6.730     3.954  0.016308
.
25491    2.300 -0.033037    -2.258    -24.628     2.581  0.133594    -2.720
                0.046212  0.159369     -3.086     5.880  0.622282  0.194500
.
.
25501        0  0.275740    -2.076     -3.530    -7.018     6.777     2.663
               -0.379049  0.179056     78.332    -5.103     5.826 -0.241120
.
25501    1.150  0.071424    -1.998   -101.430    -6.349    56.829  0.259608
               -0.306254  0.204162     -3.186 -0.709856     4.275 -0.023878
.
25501    2.300  0.071424    -1.998   -130.431    -6.349   -76.486    -2.038
               -0.306254  0.204162    -15.557 -0.709856    -6.502  0.210898
.
.
25601        0 -0.422797    -2.534      6.441    -9.096     3.068     3.026
               -0.155171  0.220626    161.498     7.004   -77.107 -0.267241
.
25601    1.150 -0.469524    -2.513    -23.177     2.647    20.137  0.108587
               -0.115711  0.195299     60.544    -1.711    54.938 -0.010151
.
25601    2.300 -0.474217    -2.488   -120.870    -4.118   -68.115    -2.753
               -0.158688  0.214223     -4.779     9.407     4.633  0.233113
.
.
25701        0    -1.412    -2.464     11.515 -0.019163    -4.066     2.750
                0.097809  0.167051    143.052     4.866   -68.821 -0.183081
.
25701    1.150    -1.376    -2.477    -38.362     2.459    34.740 -0.081640
                0.063857  0.199088      9.343     5.753    -2.972  0.007329
.
25701    2.300    -1.376    -2.477    -67.363     2.459   -26.049    -2.930
                0.063857  0.199088     -3.028     5.753  0.659326  0.236271
.
.
25801        0    -1.813    -1.857     15.185     1.813    -4.945     1.951
                0.259516  0.125351     46.845     7.344   -33.660 -0.121473
.
25801    1.150    -1.813    -1.857      2.814     1.813     5.404 -0.183873
                0.259516  0.125351     17.844     7.344     3.535  0.022675
.
25801    2.300    -1.746    -1.853    -21.675     2.742     2.943    -2.308
                0.192590  0.121359     0.961898  6.420     5.964  0.155422
.
.
.
```

21421	**1.27**	**1.08**	2.40	0.00	0.0134	**-3.83**	125.05	0.03	**21801**	**0.64**	**34.14**	5.55	0.00	0.0134	**-7.39**	125.05	0.06
21131	**1.27**	**-10.97**	2.40	0.00	0.0134	**8.37**	125.05	0.07									
21131	**1.27**	**5.86**	2.40	0.00	0.0134	**89.79**	125.05	0.72									
21131	**1.27**	**2.38**	2.40	0.00	0.0134	**-53.41**	125.05	0.43									
21131	**1.27**	**61.68**	10.61	0.00	0.0134	**9.61**	125.05	0.08									
21131	**1.27**	**-15.38**	2.42	0.00	0.0134	**-74.62**	125.05	0.60									
21131	**1.27**	**22.8**	3.63	0.00	0.0134	**-1.76**	125.05	0.01									
21231	**1.27**	**-18.18**	2.87	0.00	0.0134	**1.21**	125.05	0.01									
21231	**1.27**	**23.22**	3.70	0.00	0.0134	**100.78**	125.05	0.81									
21231	**1.27**	**3.06**	2.40	0.00	0.0134	**-41.56**	125.05	0.33									
21231	**1.27**	**70.96**	12.47	0.00	0.0134	**64**	125.05	0.51									
21231	**1.27**	**-23.45**	3.74	0.00	0.0134	**-79.84**	125.05	0.64									
21231	**1.27**	**32.4**	5.25	0.00	0.0134	**-1.14**	125.05	0.01									
21331	**1.27**	**-15.85**	2.49	0.00	0.0134	**-0.39**	125.05	0.00									
21331	**1.27**	**32.45**	5.26	0.00	0.0134	**95.09**	125.05	0.76									
21331	**1.27**	**-5.89**	2.40	0.00	0.0134	**-48.76**	125.05	0.39									
21331	**1.27**	**52.74**	8.90	0.00	0.0134	**2.86**	125.05	0.02									
21331	**1.27**	**-18.87**	2.98	0.00	0.0134	**-70.08**	125.05	0.56									
21331	**1.27**	**14.03**	2.40	0.00	0.0134	**-8.39**	125.05	0.07									
21431	**1.27**	**-12.27**	2.40	0.00	0.0134	**4.36**	125.05	0.03									
21431	**1.27**	**14.54**	2.40	0.00	0.0134	**26.15**	125.05	0.21									
21431	**1.27**	**0.36**	2.40	0.00	0.0134	**-7.01**	125.05	0.06									
21431	**1.27**	**18.26**	2.89	0.00	0.0134	**4.94**	125.05	0.04									
21431	**1.27**	**-2.26**	2.40	0.00	0.0134	**-28.66**	125.05	0.23									
21431	**1.27**	**0.35**	2.40	0.00	0.0134	**-5.98**	125.05	0.05									
21141	**1.27**	**-7.22**	2.40	0.00	0.0134	**8.54**	125.05	0.07									
21141	**1.27**	**2.23**	2.40	0.00	0.0134	**90.6**	125.05	0.72									
21141	**1.27**	**2.9**	2.40	0.00	0.0134	**-53.42**	125.05	0.43									
21141	**1.27**	**66.63**	11.59	0.00	0.0134	**13.57**	125.05	0.11									
21141	**1.27**	**-11.73**	2.40	0.00	0.0134	**-73.92**	125.05	0.59									
21141	**1.27**	**33.18**	5.38	0.00	0.0134	**1.49**	125.05	0.01									
21241	**1.27**	**-13.48**	2.40	0.00	0.0134	**-2.73**	125.05	0.02									
21241	**1.27**	**33.96**	5.52	0.00	0.0134	**98.97**	125.05	0.79									
21241	**1.27**	**3.77**	2.40	0.00	0.0134	**-44.01**	125.05	0.35									
21241	**1.27**	**78.06**	13.96	0.00	0.0134	**65.18**	125.05	0.52									
21241	**1.27**	**-22.46**	3.57	0.00	0.0134	**-79.89**	125.05	0.64									
21241	**1.27**	**45.56**	7.57	0.00	0.0134	**2.4**	125.05	0.02									
21341	**1.27**	**-16.12**	2.54	0.00	0.0134	**-4.64**	125.05	0.04									
21341	**1.27**	**45.78**	7.61	0.00	0.0134	**94.2**	125.05	0.75									
21341	**1.27**	**-6.2**	2.40	0.00	0.0134	**-50.87**	125.05	0.41									
21341	**1.27**	**59.41**	10.17	0.00	0.0134	**3.22**	125.05	0.03									
21341	**1.27**	**-15.68**	2.47	0.00	0.0134	**-71.61**	125.05	0.57									
21341	**1.27**	**19.46**	3.08	0.00	0.0134	**-8.61**	125.05	0.07									
21441	**1.27**	**-12.95**	2.40	0.00	0.0134	**2.5**	125.05	0.02									
21441	**1.27**	**19.86**	3.15	0.00	0.0134	**25.54**	125.05	0.20									
21441	**1.27**	**-0.25**	2.40	0.00	0.0134	**-9.57**	125.05	0.08									
21441	**1.27**	**20.91**	3.32	0.00	0.0134	**5.04**	125.05	0.04									
21441	**1.27**	**-2.67**	2.40	0.00	0.0134	**-31.23**	125.05	0.25									
21441	**1.27**	**0.29**	2.40	0.00	0.0134	**-5.88**	125.05	0.05									
21151	**1.27**	**-10.86**	2.40	0.00	0.0134	**8.58**	125.05	0.07									
21151	**1.27**	**7.07**	2.40	0.00	0.0134	**93.95**	125.05	0.75									
21151	**1.27**	**3.75**	2.40	0.00	0.0134	**-50.83**	125.05	0.41									
21151	**1.27**	**67.04**	11.67	0.00	0.0134	**15.12**	125.05	0.12									
21151	**1.27**	**-9.52**	2.40	0.00	0.0134	**-70.77**	125.05	0.57									
21151	**1.27**	**41.7**	6.88	0.00	0.0134	**2.48**	125.05	0.02									
21251	**1.27**	**-12.44**	2.40	0.00	0.0134	**-6.21**	125.05	0.05									
21251	**1.27**	**43.78**	7.25	0.00	0.0134	**98.94**	125.05	0.79									
21251	**1.27**	**4.44**	2.40	0.00	0.0134	**-44.64**	125.05	0.36									
21251	**1.27**	**82.02**	14.82	0.00	0.0134	**66.83**	125.05	0.53									
21251	**1.27**	**-21.31**	3.38	0.00	0.0134	**-79.22**	125.05	0.63									
21251	**1.27**	**57.31**	9.76	0.00	0.0134	**4.86**	125.05	0.04									
21351	**1.27**	**-13.47**	2.40	0.00	0.0134	**-8.37**	125.05	0.07									

OBRA: OC-04-00 : ACCESOS A ZARAGOZA
PASO SUPERIOR CAMINO DE SAN ANTÓN

Losa - Dimensionamiento

fck [MPa] = **25** Mlim [kNm] = 119.53125
d [m] = **0.15**
b [m] = **1**
U0 [kN] = 2125

Barra	ancho [m]	Md [kNm/m]	As [cm2/m]	A's [cm2/m]	rho,l	Vd [kN/m]	Vu [kN/m]	Vd/Vu	Barra	ancho [m]	Md [kNm/m]	As [cm2/m]	A's [cm2/m]	rho,l	Vd [kN/m]	Vu [kN/m]	Vd/Vu
21111	**1.27**	**-5.67**	2.40	0.00	0.0134	**-1**	125.05	0.01	**21101**	**0.64**	**-59.37**	10.16	0.00	0.0134	**-34.91**	125.05	0.28
21111	**1.27**	**6.1**	2.40	0.00	0.0134	**72.56**	125.05	0.58	**21101**	**0.64**	**63.91**	11.05	0.00	0.0134	**144.88**	125.05	1.16
21111	**1.27**	**-3.05**	2.40	0.00	0.0134	**-72.14**	125.05	0.58	**21101**	**0.64**	**-7.81**	2.40	0.00	0.0134	**-178.21**	125.05	1.43
21111	**1.27**	**48.22**	8.06	0.00	0.0134	**4.87**	125.05	0.04	**21101**	**0.64**	**91.25**	16.92	0.00	0.0134	**40.97**	125.05	0.33
21111	**1.27**	**-47.77**	7.98	0.00	0.0134	**-94.88**	125.05	0.76	**21101**	**0.64**	**-136.88**	28.43	3.99	0.0134	**-221.21**	125.05	1.77
21111	**1.27**	**10.46**	2.40	0.00	0.0134	**-4.96**	125.05	0.04	**21101**	**0.64**	**35.73**	5.83	0.00	0.0134	**18.83**	125.05	0.15
21211	**1.27**	**-46.99**	7.83	0.00	0.0134	**3.93**	125.05	0.03	**21201**	**0.64**	**-142.43**	29.70	5.27	0.0134	**-10.92**	125.05	0.09
21211	**1.27**	**7.97**	2.40	0.00	0.0134	**118.85**	125.05	0.95	**21201**	**0.64**	**29.01**	4.67	0.00	0.0134	**273.51**	125.05	2.19
21211	**1.27**	**1.58**	2.40	0.00	0.0134	**25.38**	125.05	0.20	**21201**	**0.64**	**1.71**	2.40	0.00	0.0134	**-54.06**	125.05	0.43
21211	**1.27**	**48.19**	8.05	0.00	0.0134	**51.91**	125.05	0.42	**21201**	**0.64**	**87.56**	16.07	0.00	0.0134	**110.75**	125.05	0.89
21211	**1.27**	**-44.69**	7.41	0.00	0.0134	**-91.29**	125.05	0.73	**21201**	**0.64**	**-132.3**	27.37	2.94	0.0134	**-204.87**	125.05	1.64
21311	**1.27**	**12.16**	2.40	0.00	0.0134	**-4.44**	125.05	0.04	**21201**	**0.64**	**50.67**	8.51	0.00	0.0134	**21.55**	125.05	0.17
21311	**1.27**	**-44.38**	7.36	0.00	0.0134	**3.32**	125.05	0.03	**21301**	**0.64**	**-129.31**	26.69	2.25	0.0134	**5.45**	125.05	0.04
21311	**1.27**	**12.37**	2.40	0.00	0.0134	**107.72**	125.05	0.86	**21301**	**0.64**	**17.3**	2.73	0.00	0.0134	**236.34**	125.05	1.89
21311	**1.27**	**-2.91**	2.40	0.00	0.0134	**-35.48**	125.05	0.28	**21301**	**0.64**	**-5.02**	2.40	0.00	0.0134	**-79.28**	125.05	0.63
21311	**1.27**	**31.96**	5.17	0.00	0.0134	**5.9**	125.05	0.05	**21301**	**0.64**	**55.87**	9.49	0.00	0.0134	**53.18**	125.05	0.43
21311	**1.27**	**-21.98**	3.50	0.00	0.0134	**-58.32**	125.05	0.47	**21301**	**0.64**	**-61.55**	10.58	0.00	0.0134	**-124.95**	125.05	1.00
21311	**1.27**	**2.62**	2.40	0.00	0.0134	**-3.84**	125.05	0.03	**21301**	**0.64**	**50.33**	8.45	0.00	0.0134	**33.7**	125.05	0.27
21411	**1.27**	**-20.89**	3.32	0.00	0.0134	**10.03**	125.05	0.08	**21401**	**0.64**	**-83.65**	15.19	0.00	0.0134	**10.06**	125.05	0.08
21411	**1.27**	**0.02**	2.40	0.00	0.0101	**33.18**	113.78	0.29	**21401**	**0.64**	**5.01**	2.40	0.00	0.0101	**114.27**	113.78	1.00
21411	**1.27**	**-1.87**	2.40	0.00	0.0134	**0.2**	125.05	0.00	**21401**	**0.64**	**-4.86**	2.40	0.00	0.0134	**-12.09**	125.05	0.10
21411	**1.27**	**12.13**	2.40	0.00	0.0134	**10.43**	125.05	0.08	**21401**	**0.64**	**21.49**	3.41	0.00	0.0134	**71.26**	125.05	0.57
21411	**1.27**	**-2.5**	2.40	0.00	0.0134	**-21.41**	125.05	0.17	**21401**	**0.64**	**-23.65**	3.77	0.00	0.0134	**-55.44**	125.05	0.44
21411	**1.27**	**7.8**	2.40	0.00	0.0134	**-0.53**	125.05	0.00	**21401**	**0.64**	**81.12**	14.63	0.00	0.0134	**49.47**	125.05	0.40
21121	**1.27**	**-9.92**	2.40	0.00	0.0134	**3.19**	125.05	0.03	**21501**	**0.64**	**-57.15**	9.73	0.00	0.0134	**-10.29**	125.05	0.08
21121	**1.27**	**6.12**	2.40	0.00	0.0134	**78.94**	125.05	0.63	**21501**	**0.64**	**77.58**	13.86	0.00	0.0134	**195.19**	125.05	1.56
21121	**1.27**	**-1.62**	2.40	0.00	0.0134	**-63.75**	125.05	0.51	**21501**	**0.64**	**0.85**	2.40	0.00	0.0134	**-119.68**	125.05	0.96
21121	**1.27**	**50.15**	8.41	0.00	0.0134	**6.98**	125.05	0.06	**21501**	**0.64**	**185.71**	39.66	15.22	0.0134	**62.11**	125.05	0.50
21121	**1.27**	**-37.34**	6.11	0.00	0.0134	**-85.8**	125.05	0.69	**21501**	**0.64**	**-20**	3.17	0.00	0.0134	**-165.3**	125.05	1.32
21121	**1.27**	**21.06**	3.34	0.00	0.0134	**-3.55**	125.05	0.03	**21501**	**0.64**	**107.18**	20.91	0.00	0.0134	**42.58**	125.05	0.34
21221	**1.27**	**-37.74**	6.18	0.00	0.0134	**-2**	125.05	0.02	**21601**	**0.64**	**-43.52**	7.20	0.00	0.0134	**-53.87**	125.05	0.43
21221	**1.27**	**22.06**	3.51	0.00	0.0134	**112.24**	125.05	0.90	**21601**	**0.64**	**171.42**	36.37	11.93	0.0134	**218.77**	125.05	1.75
21221	**1.27**	**2.34**	2.40	0.00	0.0134	**-29.61**	125.05	0.24	**21601**	**0.64**	**11.54**	2.40	0.00	0.0134	**-174.27**	125.05	1.39
21221	**1.27**	**52.15**	8.79	0.00	0.0134	**55.02**	125.05	0.44	**21601**	**0.64**	**234.62**	50.91	26.47	0.0134	**186.43**	125.05	1.49
21221	**1.27**	**-35.56**	5.80	0.00	0.0134	**-87.43**	125.05	0.70	**21601**	**0.64**	**-93.5**	17.45	0.00	0.0134	**-219.94**	125.05	1.76
21221	**1.27**	**24.58**	3.93	0.00	0.0134	**-0.92**	125.05	0.01	**21601**	**0.64**	**189.83**	40.61	16.17	0.0134	**46.35**	125.05	0.37
21321	**1.27**	**-36.03**	5.88	0.00	0.0134	**-1.78**	125.05	0.01	**21701**	**0.64**	**-22.21**	3.53	0.00	0.0134	**-59.48**	125.05	0.48
21321	**1.27**	**25.66**	4.11	0.00	0.0134	**104.31**	125.05	0.83	**21701**	**0.64**	**188.46**	40.29	15.85	0.0134	**180.28**	125.05	1.44
21321	**1.27**	**-3.19**	2.40	0.00	0.0134	**-38.14**	125.05	0.31	**21701**	**0.64**	**-19.6**	3.10	0.00	0.0134	**-162.39**	125.05	1.30
21321	**1.27**	**35.66**	5.81	0.00	0.0134	**4.49**	125.05	0.04	**21701**	**0.64**	**193.14**	41.37	16.93	0.0134	**31.7**	125.05	0.25
21321	**1.27**	**-22.51**	3.58	0.00	0.0134	**-60.37**	125.05	0.48	**21701**	**0.64**	**-126.25**	25.98	1.55	0.0134	**-194.74**	125.05	1.56
21321	**1.27**	**7.53**	2.40	0.00	0.0134	**-5.86**	125.05	0.05	**21701**	**0.64**	**113.71**	22.71	0.00	0.0134	**-1.11**	125.05	0.01
21421	**1.27**	**-16**	2.52	0.00	0.0134	**6.79**	125.05	0.05	**21801**	**0.64**	**-15.77**	2.48	0.00	0.0134	**-36.3**	125.05	0.29
21421	**1.27**	**7.69**	2.40	0.00	0.0134	**29.16**	125.05	0.23	**21801**	**0.64**	**93.44**	17.44	0.00	0.0134	**59.83**	125.05	0.48
21421	**1.27**	**-0.97**	2.40	0.00	0.0134	**-3.74**	125.05	0.03	**21801**	**0.64**	**-27.13**	4.35	0.00	0.0134	**-55.83**	125.05	0.45
21421	**1.27**	**15.27**	2.40	0.00	0.0134	**7.11**	125.05	0.06	**21801**	**0.64**	**69.76**	12.23	0.00	0.0134	**14.21**	125.05	0.11
21421	**1.27**	**-2.62**	2.40	0.00	0.0134	**-25.38**	125.05	0.20	**21801**	**0.64**	**-87.28**	16.00	0.00	0.0134	**-99.38**	125.05	0.79

21351	**1.27**	**58.31**	9.95	0.00	0.0134	**94.12**	125.05	0.75
21351	**1.27**	**-4.85**	2.40	0.00	0.0134	**-51.94**	125.05	0.42
21351	**1.27**	**63.4**	10.95	0.00	0.0134	**2.9**	125.05	0.02
21351	**1.27**	**-17.22**	2.72	0.00	0.0134	**-72.3**	125.05	0.58
21351	**1.27**	**24.97**	3.99	0.00	0.0134	**-9.31**	125.05	0.07
21451	**1.27**	**-13.92**	2.40	0.00	0.0134	**1.49**	125.05	0.01
21451	**1.27**	**23.08**	3.68	0.00	0.0134	**25.13**	125.05	0.20
21451	**1.27**	**-1.02**	2.40	0.00	0.0134	**-11.15**	125.05	0.09
21451	**1.27**	**23.38**	3.73	0.00	0.0134	**5.19**	125.05	0.04
21451	**1.27**	**-3.27**	2.40	0.00	0.0134	**-32.8**	125.05	0.26
21451	**1.27**	**0.22**	2.40	0.00	0.0134	**-5.74**	125.05	0.05
21161	**1.27**	**-9.78**	2.40	0.00	0.0134	**8.5**	125.05	0.07
21161	**1.27**	**6.3**	2.40	0.00	0.0134	**96.83**	125.05	0.77
21161	**1.27**	**3.68**	2.40	0.00	0.0134	**-48.74**	125.05	0.39
21161	**1.27**	**71.59**	12.60	0.00	0.0134	**15.4**	125.05	0.12
21161	**1.27**	**-6.05**	2.40	0.00	0.0134	**-68.25**	125.05	0.55
21161	**1.27**	**41.62**	6.86	0.00	0.0134	**2.32**	125.05	0.02
21261	**1.27**	**-6.54**	2.40	0.00	0.0134	**-6.65**	125.05	0.05
21261	**1.27**	**43.66**	7.23	0.00	0.0134	**98.63**	125.05	0.79
21261	**1.27**	**4.91**	2.40	0.00	0.0134	**-45.58**	125.05	0.36
21261	**1.27**	**97.68**	18.47	0.00	0.0134	**69.13**	125.05	0.55
21261	**1.27**	**-16.19**	2.55	0.00	0.0134	**-77.79**	125.05	0.62
21261	**1.27**	**51.4**	8.65	0.00	0.0134	**4.88**	125.05	0.04
21361	**1.27**	**-9.6**	2.40	0.00	0.0134	**-8.31**	125.05	0.07
21361	**1.27**	**52.5**	8.85	0.00	0.0134	**92.45**	125.05	0.74
21361	**1.27**	**-3.34**	2.40	0.00	0.0134	**-54.47**	125.05	0.44
21361	**1.27**	**78.66**	14.09	0.00	0.0134	**3.24**	125.05	0.03
21361	**1.27**	**-17.67**	2.79	0.00	0.0134	**-74.59**	125.05	0.60
21361	**1.27**	**28.72**	4.62	0.00	0.0134	**-9.21**	125.05	0.07
21461	**1.27**	**-15.03**	2.40	0.00	0.0134	**1.28**	125.05	0.01
21461	**1.27**	**27.08**	4.35	0.00	0.0134	**25.04**	125.05	0.20
21461	**1.27**	**-1.72**	2.40	0.00	0.0134	**-11.8**	125.05	0.09
21461	**1.27**	**25.31**	4.05	0.00	0.0134	**5.54**	125.05	0.04
21461	**1.27**	**-3.74**	2.40	0.00	0.0134	**-33.44**	125.05	0.27
21461	**1.27**	**0.38**	2.40	0.00	0.0134	**-5.39**	125.05	0.04
21171	**1.27**	**-5.94**	2.40	0.00	0.0134	**8.4**	125.05	0.07
21171	**1.27**	**4.28**	2.40	0.00	0.0134	**97.13**	125.05	0.78
21171	**1.27**	**3.41**	2.40	0.00	0.0134	**-49.21**	125.05	0.39
21171	**1.27**	**76.03**	13.53	0.00	0.0134	**16.53**	125.05	0.13
21171	**1.27**	**-6.3**	2.40	0.00	0.0134	**-68.38**	125.05	0.55
21171	**1.27**	**41.13**	6.78	0.00	0.0134	**3.12**	125.05	0.02
21271	**1.27**	**-6.88**	2.40	0.00	0.0134	**-3.83**	125.05	0.03
21271	**1.27**	**41.41**	6.83	0.00	0.0134	**97.64**	125.05	0.78
21271	**1.27**	**5.16**	2.40	0.00	0.0134	**-47.29**	125.05	0.38
21271	**1.27**	**104.38**	20.16	0.00	0.0134	**70.21**	125.05	0.56
21271	**1.27**	**-14.8**	2.40	0.00	0.0134	**-77.6**	125.05	0.62
21271	**1.27**	**56.36**	9.58	0.00	0.0134	**4.46**	125.05	0.04
21371	**1.27**	**-9.84**	2.40	0.00	0.0134	**-6.67**	125.05	0.05
21371	**1.27**	**56.31**	9.57	0.00	0.0134	**91.44**	125.05	0.73
21371	**1.27**	**-4.19**	2.40	0.00	0.0134	**-56.37**	125.05	0.45
21371	**1.27**	**85.02**	15.49	0.00	0.0134	**3.58**	125.05	0.03
21371	**1.27**	**-19.25**	3.05	0.00	0.0134	**-76.33**	125.05	0.61
21371	**1.27**	**32.03**	5.19	0.00	0.0134	**-9.04**	125.05	0.07
21471	**1.27**	**-16.96**	2.67	0.00	0.0134	**0.27**	125.05	0.00
21471	**1.27**	**29.9**	4.82	0.00	0.0134	**25.46**	125.05	0.20
21471	**1.27**	**-2.8**	2.40	0.00	0.0134	**-13.14**	125.05	0.11
21471	**1.27**	**26.58**	4.26	0.00	0.0134	**6.29**	125.05	0.05
21471	**1.27**	**-3.01**	2.40	0.00	0.0134	**-34.78**	125.05	0.28
21471	**1.27**	**0.63**	2.40	0.00	0.0134	**-4.65**	125.05	0.04
21181	**1.27**	**-9.56**	2.40	0.00	0.0134	**8.6**	125.05	0.07
21181	**1.27**	**10.33**	2.40	0.00	0.0134	**100.19**	125.05	0.80
21181	**1.27**	**2.93**	2.40	0.00	0.0134	**-46.47**	125.05	0.37

21181	**1.27**	**77.01**	13.74	0.00	0.0134	**18.38**	125.05	0.15
21181	**1.27**	**-6.63**	2.40	0.00	0.0134	**-65.46**	125.05	0.52
21181	**1.27**	**52.55**	8.86	0.00	0.0134	**4.79**	125.05	0.04
21281	**1.27**	**-7.6**	2.40	0.00	0.0134	**-8.26**	125.05	0.07
21281	**1.27**	**54.81**	9.29	0.00	0.0134	**97.61**	125.05	0.78
21281	**1.27**	**5.35**	2.40	0.00	0.0134	**-48.51**	125.05	0.39
21281	**1.27**	**108.51**	21.26	0.00	0.0134	**72.41**	125.05	0.58
21281	**1.27**	**-14.02**	2.40	0.00	0.0134	**-76.64**	125.05	0.61
21281	**1.27**	**69.48**	12.17	0.00	0.0134	**7.59**	125.05	0.06
21381	**1.27**	**-7.22**	2.40	0.00	0.0134	**-11.17**	125.05	0.09
21381	**1.27**	**70.21**	12.32	0.00	0.0134	**91.07**	125.05	0.73
21381	**1.27**	**-3.8**	2.40	0.00	0.0134	**-57.99**	125.05	0.46
21381	**1.27**	**89.16**	16.43	0.00	0.0134	**4.11**	125.05	0.03
21381	**1.27**	**-22.61**	3.60	0.00	0.0134	**-77.79**	125.05	0.62
21381	**1.27**	**35.49**	5.78	0.00	0.0134	**-8.66**	125.05	0.07
21481	**1.27**	**-19.85**	3.14	0.00	0.0134	**0.03**	125.05	0.00
21481	**1.27**	**30.63**	4.95	0.00	0.0134	**26.15**	125.05	0.21
21481	**1.27**	**-4.69**	2.40	0.00	0.0134	**-13.56**	125.05	0.11
21481	**1.27**	**26.84**	4.31	0.00	0.0134	**7.16**	125.05	0.06
21481	**1.27**	**-3.56**	2.40	0.00	0.0134	**-35.2**	125.05	0.28
21481	**1.27**	**1.24**	2.40	0.00	0.0134	**-3.77**	125.05	0.03
21191	**1.27**	**-7.62**	2.40	0.00	0.0134	**9.07**	125.05	0.07
21191	**1.27**	**14.46**	2.40	0.00	0.0134	**99.79**	125.05	0.80
21191	**1.27**	**2.04**	2.40	0.00	0.0134	**-45.91**	125.05	0.37
21191	**1.27**	**82.58**	14.95	0.00	0.0134	**20.39**	125.05	0.16
21191	**1.27**	**-5.47**	2.40	0.00	0.0134	**-65.3**	125.05	0.52
21191	**1.27**	**57.21**	9.74	0.00	0.0134	**7.2**	125.05	0.06
21291	**1.27**	**-9.79**	2.40	0.00	0.0134	**-13.22**	125.05	0.11
21291	**1.27**	**65.7**	11.40	0.00	0.0134	**95.42**	125.05	0.76
21291	**1.27**	**5.54**	2.40	0.00	0.0134	**-55.46**	125.05	0.44
21291	**1.27**	**109.47**	21.53	0.00	0.0134	**76.12**	125.05	0.61
21291	**1.27**	**-18.62**	2.94	0.00	0.0134	**-78.29**	125.05	0.63
21291	**1.27**	**85.07**	15.50	0.00	0.0134	**12.67**	125.05	0.10
21391	**1.27**	**-7.78**	2.40	0.00	0.0134	**-16.58**	125.05	0.13
21391	**1.27**	**85.87**	15.68	0.00	0.0134	**90.56**	125.05	0.72
21391	**1.27**	**-6.77**	2.40	0.00	0.0134	**-62.05**	125.05	0.50
21391	**1.27**	**89.61**	16.54	0.00	0.0134	**5.91**	125.05	0.05
21391	**1.27**	**-29.98**	4.84	0.00	0.0134	**-81.34**	125.05	0.65
21391	**1.27**	**43.91**	7.27	0.00	0.0134	**-7.37**	125.05	0.06
21491	**1.27**	**-20.29**	3.22	0.00	0.0134	**-4.13**	125.05	0.03
21491	**1.27**	**38.37**	6.29	0.00	0.0134	**24.72**	125.05	0.20
21491	**1.27**	**-8.2**	2.40	0.00	0.0134	**-17.31**	125.05	0.14
21491	**1.27**	**31.23**	5.05	0.00	0.0134	**5.32**	125.05	0.04
21491	**1.27**	**-9.96**	2.40	0.00	0.0134	**-38.99**	125.05	0.31
21491	**1.27**	**3.58**	2.40	0.00	0.0134	**-5.58**	125.05	0.04

OBRA: OC-04-00 : ACCESOS A ZARAGOZA
PASO SUPERIOR CAMINO DE SAN ANTÓN

Losa - Dimensionamiento

fck [MPa] = **25** Mlim [kNm] = 119.53125
d [m] = **0.15**
b [m] = **1**
U0 [kN] = 2125

Barra	ancho [m]	Md [kNm/m]	As [cm2/m]	A's [cm2/m]	rho,l	Vd [kN/m]	Vu [kN/m]	Vd/Vu	Barra	ancho [m]	Md [kNm/m]	As [cm2/m]	A's [cm2/m]	rho,l	Vd [kN/m]	Vu [kN/m]	Vd/Vu
22111	**1.39**	-3.77	2.40	0.00	0.0134	**8.44**	125.05	0.07	**22101**	**0.69**	**-35.62**	5.81	0.00	0.0134	**-1.3**	125.05	0.01
22111	**1.39**	10.26	2.40	0.00	0.0134	**100**	125.05	0.80	**22101**	**0.69**	**38.78**	6.36	0.00	0.0134	**200.31**	125.05	1.60
22111	**1.39**	0.93	2.40	0.00	0.0134	**-35.38**	125.05	0.28	**22101**	**0.69**	**-3.73**	2.40	0.00	0.0134	**-115.15**	125.05	0.92
22111	**1.39**	87.12	15.97	0.00	0.0134	**17.77**	125.05	0.14	**22101**	**0.69**	**190.19**	40.69	16.25	0.0134	**56.18**	125.05	0.45
22111	**1.39**	-8.96	2.40	0.00	0.0134	**-55.18**	125.05	0.44	**22101**	**0.69**	**-27.32**	4.39	0.00	0.0134	**-156.51**	125.05	1.25
22111	**1.39**	40.88	6.73	0.00	0.0134	**4.37**	125.05	0.03	**22101**	**0.69**	**98.01**	18.55	0.00	0.0134	**31.13**	125.05	0.25
22211	**1.39**	-12.9	2.40	0.00	0.0134	**-5.32**	125.05	0.04	**22201**	**0.69**	**-59.2**	10.13	0.00	0.0134	**-5.84**	125.05	0.05
22211	**1.39**	45.25	7.52	0.00	0.0134	**95.34**	125.05	0.76	**22201**	**0.69**	**149.56**	31.34	6.91	0.0134	**213.8**	125.05	1.71
22211	**1.39**	3.54	2.40	0.00	0.0134	**-55.77**	125.05	0.45	**22201**	**0.69**	**3.01**	2.40	0.00	0.0134	**-155.98**	125.05	1.25
22211	**1.39**	126.5	26.04	1.60	0.0134	**74.2**	125.05	0.59	**22201**	**0.69**	**195.5**	41.91	17.47	0.0134	**170.79**	125.05	1.37
22211	**1.39**	-14.6	2.40	0.00	0.0134	**-79.04**	125.05	0.63	**22201**	**0.69**	**-72.28**	12.74	0.00	0.0134	**-202.52**	125.05	1.62
22211	**1.39**	73.81	13.06	0.00	0.0134	**5.09**	125.05	0.04	**22201**	**0.69**	**187.65**	40.10	15.67	0.0134	**22.03**	125.05	0.18
22311	**1.39**	-8.51	2.40	0.00	0.0134	**-7.51**	125.05	0.06	**22301**	**0.69**	**-41.99**	6.93	0.00	0.0134	**-36.91**	125.05	0.30
22311	**1.39**	74.28	13.16	0.00	0.0134	**74.58**	125.05	0.60	**22301**	**0.69**	**194.19**	41.61	17.17	0.0134	**178.59**	125.05	1.43
22311	**1.39**	-8.26	2.40	0.00	0.0134	**-64.1**	125.05	0.51	**22301**	**0.69**	**-23.89**	3.81	0.00	0.0134	**-157.23**	125.05	1.26
22311	**1.39**	106.21	20.65	0.00	0.0134	**7.36**	125.05	0.06	**22301**	**0.69**	**224.59**	48.60	24.16	0.0134	**43.67**	125.05	0.35
22311	**1.39**	-28.63	4.61	0.00	0.0134	**-85.24**	125.05	0.68	**22301**	**0.69**	**-103.22**	19.86	0.00	0.0134	**-200.23**	125.05	1.60
22311	**1.39**	37.23	6.09	0.00	0.0134	**-4.69**	125.05	0.04	**22301**	**0.69**	**89.22**	16.45	0.00	0.0134	**20.28**	125.05	0.16
22411	**1.39**	-23.19	3.70	0.00	0.0134	**-1.96**	125.05	0.02	**22401**	**0.69**	**-41.82**	6.90	0.00	0.0134	**-25.01**	125.05	0.20
22411	**1.39**	35.5	5.79	0.00	0.0101	**27.58**	113.78	0.24	**22401**	**0.69**	**79.77**	14.33	0.00	0.0101	**68.82**	113.78	0.60
22411	**1.39**	-7.41	2.40	0.00	0.0134	**-15.36**	125.05	0.12	**22401**	**0.69**	**-25.29**	4.05	0.00	0.0134	**-50.05**	125.05	0.40
22411	**1.39**	30.09	4.85	0.00	0.0134	**7.78**	125.05	0.06	**22401**	**0.69**	**63.3**	10.93	0.00	0.0134	**27.47**	125.05	0.22
22411	**1.39**	-5.77	2.40	0.00	0.0134	**-37.46**	125.05	0.30	**22401**	**0.69**	**-49.15**	8.23	0.00	0.0134	**-94.18**	125.05	0.75
22411	**1.39**	4.03	2.40	0.00	0.0134	**-3.32**	125.05	0.03	**22401**	**0.69**	**44.66**	7.41	0.00	0.0134	**5.2**	125.05	0.04
22121	**1.39**	-6.1	2.40	0.00	0.0134	**8.44**	125.05	0.07	**22501**	**0.69**	**-37.15**	6.07	0.00	0.0134	**-2.12**	125.05	0.02
22121	**1.39**	6.17	2.40	0.00	0.0134	**97.95**	125.05	0.78	**22501**	**0.69**	**48.2**	8.05	0.00	0.0134	**187.8**	125.05	1.50
22121	**1.39**	3.33	2.40	0.00	0.0134	**-38.01**	125.05	0.30	**22501**	**0.69**	**-3.69**	2.40	0.00	0.0134	**-98.6**	125.05	0.79
22121	**1.39**	78.16	13.99	0.00	0.0134	**18.04**	125.05	0.14	**22501**	**0.69**	**174.67**	37.12	12.68	0.0134	**47.38**	125.05	0.38
22121	**1.39**	-6.81	2.40	0.00	0.0134	**-57.54**	125.05	0.46	**22501**	**0.69**	**-21.84**	3.47	0.00	0.0134	**-140.89**	125.05	1.13
22121	**1.39**	47.66	7.96	0.00	0.0134	**4.38**	125.05	0.04	**22501**	**0.69**	**94.24**	17.63	0.00	0.0134	**23.27**	125.05	0.19
22221	**1.39**	-7.61	2.40	0.00	0.0134	**-5.73**	125.05	0.05	**22601**	**0.69**	**-61.29**	10.53	0.00	0.0134	**-27.85**	125.05	0.22
22221	**1.39**	49.48	8.29	0.00	0.0134	**89.98**	125.05	0.72	**22601**	**0.69**	**123.33**	25.31	0.87	0.0134	**201.45**	125.05	1.61
22221	**1.39**	4.35	2.40	0.00	0.0134	**-46.99**	125.05	0.38	**22601**	**0.69**	**5.93**	2.40	0.00	0.0134	**-145.32**	125.05	1.16
22221	**1.39**	117.37	23.78	0.00	0.0134	**69**	125.05	0.55	**22601**	**0.69**	**166.5**	35.24	10.80	0.0134	**159.52**	125.05	1.28
22221	**1.39**	-10.36	2.40	0.00	0.0134	**-70.26**	125.05	0.56	**22601**	**0.69**	**-73.61**	13.02	0.00	0.0134	**-191.86**	125.05	1.53
22221	**1.39**	73.48	12.99	0.00	0.0134	**7**	125.05	0.06	**22601**	**0.69**	**166.07**	35.14	10.70	0.0134	**26.84**	125.05	0.21
22321	**1.39**	-6.44	2.40	0.00	0.0134	**-10.48**	125.05	0.08	**22701**	**0.69**	**-38.55**	6.32	0.00	0.0134	**-34.31**	125.05	0.27
22321	**1.39**	74.32	13.17	0.00	0.0134	**80.62**	125.05	0.64	**22701**	**0.69**	**165.94**	35.11	10.67	0.0134	**155.22**	125.05	1.24
22321	**1.39**	-3.54	2.40	0.00	0.0134	**-56.92**	125.05	0.46	**22701**	**0.69**	**-16.91**	2.67	0.00	0.0134	**-140.48**	125.05	1.12
22321	**1.39**	98.36	18.63	0.00	0.0134	**4.15**	125.05	0.03	**22701**	**0.69**	**188.57**	40.32	15.88	0.0134	**46.97**	125.05	0.38
22321	**1.39**	-20.38	3.23	0.00	0.0134	**-77.91**	125.05	0.62	**22701**	**0.69**	**-92.72**	17.27	0.00	0.0134	**-182.4**	125.05	1.46
22321	**1.39**	35.52	5.79	0.00	0.0134	**-8.06**	125.05	0.06	**22701**	**0.69**	**97.19**	18.35	0.00	0.0134	**22.5**	125.05	0.18
22421	**1.39**	-18.47	2.92	0.00	0.0134	**-1.75**	125.05	0.01	**22801**	**0.69**	**-23.97**	3.83	0.00	0.0134	**-19.09**	125.05	0.15
22421	**1.39**	33.85	5.50	0.00	0.0134	**26.35**	125.05	0.21	**22801**	**0.69**	**83.17**	15.08	0.00	0.0134	**66.72**	125.05	0.53
22421	**1.39**	-3.57	2.40	0.00	0.0134	**-15.41**	125.05	0.12	**22801**	**0.69**	**-20.61**	3.27	0.00	0.0134	**-43.2**	125.05	0.35
22421	**1.39**	28.16	4.53	0.00	0.0134	**6.81**	125.05	0.05	**22801**	**0.69**	**67.35**	11.74	0.00	0.0134	**24.43**	125.05	0.20
22421	**1.39**	-2.8	2.40	0.00	0.0134	**-37.5**	125.05	0.30	**22801**	**0.69**	**-57.54**	9.81	0.00	0.0134	**-88.13**	125.05	0.70

		-210.305	25.652	-130.436	77.911	-463.215	251.786
.							
.							
11283	0	507.234	-5.696	-130.110	-6.638	-97.768	4.762
		299.219	-8.850	-170.254	-6.495	34.598	-7.739
.							
11283	1.000	533.231	3.032	-175.760	2.055	-235.691	0.526933
		222.276	-13.269	-109.845	-9.928	-97.877	-17.332
.							
11283	2.000	515.290	4.820	-204.492	-0.128298	-435.328	3.894
		248.958	-15.358	-56.266	-6.244	-158.522	-29.533
.							
.							
11284	0	490.807	2.586	142.710	2.117	-350.581	-2.584
		280.554	18.597	3.316	4.324	-116.682	-32.003
.							
11284	1.000	508.742	4.374	113.978	-0.067132	-212.723	1.459
		247.037	15.353	37.402	7.745	-101.327	-14.861
.							
11284	2.000	372.798	3.858	25.877	-1.227	-130.633	5.391
		286.063	10.050	99.634	2.129	-11.056	-2.880
.							
.							
11303	0	-10.167	0.776682	-372.468	24.511	-0.002235	8.305
		-1.271	4.161	-153.722	17.802	-0.000922	-1.286
.							
11303	0.150	-10.167	0.776682	-372.468	24.511	-55.870	8.421
		-1.271	4.161	-153.722	17.802	-23.058	-0.661635
.							
11303	0.300	-10.167	0.776682	-372.468	24.511	-111.738	8.538
		-1.271	4.161	-153.722	17.802	-46.115	-0.037498
.							
.							
11304	0	2.184	-0.857710	-440.312	-38.014	-0.002642	3.426
		1.422	-4.441	-184.395	-22.601	-0.001106	4.727
.							
11304	0.150	2.184	-0.857710	-440.312	-38.014	-66.047	3.297
		1.422	-4.441	-184.395	-22.601	-27.659	4.061
.							
11304	0.300	2.184	-0.857710	-440.312	-38.014	-132.091	3.169
		1.422	-4.441	-184.395	-22.601	-55.317	3.395
.							
.							
11308	0	-1083.045	424.132	39.214	4.002	-102.123	-1445.346
		-1351.391	512.056	-27.428	9.825	178.081	-1773.306
.							
11308	2.250	-1095.852	417.013	14.499	-6.485	-68.175	-503.060
		-1338.584	519.176	-2.712	20.312	170.652	-609.252
.							
11308	4.500	-912.896	336.862	1.196	-3.270	-44.030	417.492
		-1088.319	413.289	17.396	12.962	176.860	531.616
.							
.							
11309	0	-895.363	-334.963	24.291	-7.438	-44.996	1083.210
		-1088.317	-397.782	-5.353	0.225281	90.565	1305.822
.							
11309	2.250	-908.170	-327.843	-0.423436	3.048	-44.623	341.545
		-1075.510	-404.902	19.362	-10.260	132.802	398.877
.							
11309	4.500	-908.084	-327.850	-0.498328	3.702	-45.604	-396.152
		-1075.596	-404.895	19.437	-10.914	176.394	-512.036
.							
.							
11310	0	-989.293	123.421	6.048	3.394	-62.607	-195.068
		-1287.672	145.008	16.675	-2.977	207.798	-248.072
.							
11310	2.250	-989.086	123.428	5.397	2.943	-50.247	82.673
		-1287.878	145.001	17.325	-2.525	246.562	78.128
.							
11310	4.500	-968.802	121.597	0.868636	0.038667	-45.812	410.927
		-847.778	115.820	21.701	-0.328303	292.619	400.604
.							
.							
11311	0	-822.438	-104.070	2.392	-1.203	-52.520	108.941
		-1056.611	-120.679	19.125	2.712	200.077	135.012
.							
11311	2.250	-822.231	-104.077	1.741	-0.751437	-48.386	-125.261
		-1056.817	-120.672	19.776	2.260	244.354	-136.449
.							
11311	4.500	-795.328	-108.264	-2.623	1.823	-52.687	-429.116
		-607.159	-101.243	23.628	0.710396	295.414	-433.658
.							
.							
11359	0	-23.923	-0.192939	17.335	-0.462148	18.393	2.953
		-35.532	-1.294	-64.114	-1.573	203.453	21.642
.							
11359	2.000	34.469	-0.205009	-11.546	-0.562037	44.185	-1.098
		-49.917	-0.665592	-23.024	-0.196041	92.931	22.321
.							
11359	4.000	-24.172	-1.105	-62.087	-2.446	-67.068	-2.150
		-48.803	0.067102	9.936	0.439054	104.160	26.151
.							
.							
11360	0	22.339	1.511	-979.863	-1.129	813.540	-2.814
		3.036	-36.588	-1792.744	-342.417	1669.933	49.771
.							
11360	1.000	32.693	-36.286	-2138.117	-325.333	-846.397	13.158
		-39.261	0.083383	-690.368	-3.373	292.342	-5.433
.							
11360	2.000	32.693	-36.286	-2138.117	-325.333	-2984.428	-23.126
		-39.261	0.083383	-690.368	-3.373	-397.998	-5.350
.							
.							
11361	0	76.538	33.349	2109.895	339.720	-2730.039	-10.656
		32.360	-3.227	906.809	-20.810	-562.021	5.102
.							
11361	1.000	92.468	30.404	1809.564	311.459	-694.157	23.471
		32.360	-3.227	906.809	-20.810	344.752	1.875
.							
11361	2.000	84.265	-5.220	1253.343	-0.808891	738.662	4.082
		43.239	34.344	1739.484	340.631	1653.320	53.690
.							
.							
11370	0	-3050.311	40.071	1.972	24.318	-140.226	-687.248
		-2839.606	3.432	62.731	-12.639	880.384	-1366.771
.							
11370	0.1000	-3050.311	40.071	1.972	24.318	-140.028	-683.241
		-2839.606	3.432	62.731	-12.639	886.657	-1366.428

```
.
11370   0.200 -3050.311    40.071     1.972    24.318  -139.831  -679.234
              -2839.606     3.432    62.731   -12.639   892.930 -1366.085
.
.
11371       0  -376.991   -15.509    75.587   -10.215  -276.981    71.504
               -410.080  0.365217    17.038  0.146317    24.327    10.493
.
11371   2.462  -322.153 -0.716976    72.220 -0.542136   -95.604    -2.818
               -460.249   -15.025    35.239   -10.921    71.964    45.013
.
11371   4.924  -362.923  0.169128    27.541     1.230    62.515     5.646
               -593.828   -16.666   103.830    -9.499   278.569    -9.646
.
.
11372       0  -489.528    16.171   108.096     9.168  -282.646   -69.954
               -538.538    11.901    42.729    13.239    34.975   -58.330
.
11372   2.462  -244.404  0.833902    65.539     3.421   -25.022    -2.659
               -600.914    11.532    49.403     8.077   151.984   -35.506
.
11372   4.924  -296.682  0.524629    35.269     2.247   106.573    -3.358
               -581.167    16.524   110.476     9.835   296.640    10.342
.
.
11373       0  -339.590  0.846860  -167.870    -1.056   467.201    -6.072
               -727.095   -10.512  -346.887   -36.776   986.176   -59.541
.
11373   3.010  -500.999   -11.037  -248.338   -34.066  -151.338   -83.566
               -475.149     1.192  -207.734    -1.110    13.843    -7.007
.
11373   6.021  -727.095   -10.512  -346.887   -36.776 -1102.277  -122.831
               -339.590  0.846860  -167.870    -1.056  -543.468 -0.973434
.
.
11374       0  -252.559  0.013368  -151.418     1.567   380.267    -3.879
               -706.900     10.643  -348.517    36.931  1008.970    55.245
.
11374   3.010  -577.790    11.266  -305.256    37.033  -113.146    84.196
               -560.263 -0.892077  -277.036    -2.024    30.814    -6.352
.
11374   6.021  -676.975    10.809  -338.225    36.939 -1095.041   120.668
               -252.559  0.013368  -151.418     1.567  -531.350    -3.798
.
.
11383       0   504.854   -15.838  -113.588   -12.775  -119.250    -7.905
               338.055     4.111  -182.690  0.745681    30.622    -4.426
.
11383   1.000   602.423    -5.106  -193.998    -1.685  -265.877    -6.430
               259.977 -0.013817  -120.560    -2.831  -114.337    -1.149
.
11383   2.000   584.333    -4.195  -222.942    -2.788  -483.907   -11.354
               287.124    -1.730   -66.746    -1.263  -185.661    -1.902
.
.
11384       0   559.906    10.362   161.325     6.154  -399.240   -17.531
               318.764     2.846    13.407  0.273137  -143.398    -2.119
.
11384   1.000   577.990    11.273   132.381     5.052  -242.824    -6.447
               285.192     1.998    48.072     2.384  -117.954 -0.599331
.
11384   2.000   425.085     9.805    37.879     3.605  -141.953     3.887
               326.009    -3.071   118.043    -2.160    -8.591    -2.233
.
.
11403       0 -0.376021  0.810101  -430.942    24.085 -0.002586 -0.979263
               -1.876     4.534   -184.278    34.009 -0.001106 -0.860723
.
11403   0.150 -0.376021  0.810101  -430.942    24.085   -64.641 -0.857752
               -1.876     4.534   -184.278    34.009   -27.642 -0.180691
.
11403   0.300 -0.376021  0.810101  -430.942    24.085  -129.280 -0.736243
               -1.876     4.534   -184.278    34.009   -55.282  0.499341
.
.
11404       0   -6.434 -0.822148  -390.864   -47.119 -0.002345    -5.663
               1.952    -4.198   -152.915   -19.244 -0.000917     4.631
.
11404   0.150   -6.434 -0.822148  -390.864   -47.119   -58.629    -5.786
               1.952    -4.198   -152.915   -19.244   -22.937     4.001
.
11404   0.300   -6.434 -0.822148  -390.864   -47.119  -117.256    -5.909
               1.952    -4.198   -152.915   -19.244   -45.873     3.371
.
.
11408       0 -1254.923   497.100    32.189    -2.856  -142.291 -1706.314
            -1178.706   440.727   -34.442     2.796   136.860 -1518.256
.
11408   2.250 -1242.116   504.220     7.473   -13.343  -124.151  -575.909
            -1191.514   433.607    -9.726    13.283   113.651  -538.634
.
11408   4.500 -1246.591   539.946   -10.545   -10.414  -118.986   698.924
             -938.205   326.352    11.387     6.886   105.935   408.091
.
.
11409       0 -1073.527  -410.981    19.615    -3.236   -91.178  1353.897
             -912.544  -325.281   -10.626     4.401    45.594  1047.155
.
11409   2.250 -1060.720  -418.102    -5.100     7.249  -101.327   417.253
             -925.351  -318.161    14.088    -6.085    75.966   327.274
.
11409   4.500 -1264.280  -525.712   -10.652     8.266  -117.130  -648.971
             -925.265  -318.168    14.163    -6.739   107.692  -388.639
.
.
11410       0 -1187.465   137.136    -4.879     2.643  -140.746  -219.757
            -1088.995   131.336     5.540    -3.709   128.400  -223.480
.
11410   2.250 -1261.242   154.568   -12.905     1.666  -168.578   137.008
            -1088.788   131.343     6.191    -3.257   142.112    72.069
.
11410   4.500  -643.050   106.742   -16.925 -0.501212  -203.300   380.700
            -1011.725   124.650    11.348 -0.306390   164.820   421.079
.
.
11411       0 -1245.115  -136.204   -12.641    -2.647  -138.421   164.972
             -858.032  -106.836    10.013     1.454   115.986   110.199
.
```

11411	2.250	-1245.239	-136.200	-13.031	-2.376	-167.610	-141.443
		-857.825	-106.843	10.664	1.002	139.762	-130.227
.							
11411	4.500	-623.486	-91.499	-16.993	-0.373926	-203.050	-353.916
		-770.919	-110.292	15.257	-1.267	171.903	-454.634
.							
.							
11459	0	-23.922	0.148460	17.318	0.260855	18.421	6.056
		-35.635	-0.756489	-64.009	1.611	203.283	-16.736
.							
11459	2.000	33.771	0.045176	-11.529	0.566189	44.336	3.502
		-49.978	-0.564663	-22.961	0.219240	92.955	-21.838
.							
11459	4.000	-24.233	-0.125164	-62.024	2.469	-66.919	0.172513
		-46.510	-0.076475	9.812	-0.435333	104.036	-21.526
.							
.							
11460	0	22.297	-18.940	-979.517	-154.608	813.461	27.030
		3.050	25.551	-1792.639	275.337	1669.874	-37.652
.							
11460	1.000	32.699	16.627	-2137.954	212.852	-846.364	-15.424
		-39.263	-10.231	-690.261	-88.606	292.360	9.892
.							
11460	2.000	32.699	16.627	-2137.954	212.852	-2984.232	1.202
		-39.263	-10.231	-690.261	-88.606	-397.874	-0.337742
.							
.							
11461	0	76.552	-22.444	2109.787	-272.734	-2729.886	1.218
		32.364	20.075	906.618	131.279	-561.792	-15.977
.							
11461	1.000	92.482	-19.499	1809.457	-244.473	-694.111	-22.004
		32.364	20.075	906.618	131.279	344.789	4.097
.							
11461	2.000	84.262	15.368	1253.237	92.789	738.573	10.523
		43.241	-24.235	1739.369	-274.350	1653.227	-39.998
.							
.							
11470	0	-2415.571	1.529	-46.631	6.611	-606.807	-638.756
		-3169.948	41.046	33.482	-25.696	497.599	-988.415
.							
11470	0.1000	-2415.571	1.529	-46.631	6.611	-611.470	-638.604
		-3169.948	41.046	33.482	-25.696	500.948	-984.310
.							
11470	0.200	-2415.571	1.529	-46.631	6.611	-616.132	-638.451
		-3169.948	41.046	33.482	-25.696	504.296	-980.206
.							
.							
11471	0	-376.830	7.273	75.813	7.617	-277.447	-57.526
		-410.047	-4.277	17.034	-2.635	24.335	8.395
.							
11471	2.462	-321.992	-7.518	72.446	-2.056	-95.514	-3.480
		-460.194	8.506	35.232	6.773	71.961	-29.583
.							
11471	4.924	-362.827	-5.110	27.677	-2.789	62.903	-21.591
		-593.080	7.243	103.472	10.318	277.745	-22.383
.							
.							
11472	0	-488.858	-7.484	107.685	-10.455	-281.568	56.845
		-546.337	2.179	45.747	-1.705	34.563	-6.596
.							
11472	2.462	-244.372	3.078	65.535	-0.932445	-25.025	-6.600
		-601.176	-12.611	49.115	-11.376	151.926	34.913
.							
11472	4.924	-296.290	6.820	35.334	4.100	106.553	11.455
		-580.497	-7.837	110.065	-11.122	295.695	19.324
.							
.							
11473	0	-339.594	-6.055	-167.855	-15.178	467.189	-18.049
		-727.123	7.228	-346.850	31.242	986.108	54.551
.							
11473	3.010	-500.924	5.253	-248.298	25.168	-151.331	57.222
		-475.111	-4.307	-207.716	-8.509	13.847	-16.210
.							
11473	6.021	-727.123	7.228	-346.850	31.242	-1102.121	98.065
		-339.594	-6.055	-167.855	-15.178	-543.389	-54.505
.							
.							
11474	0	-252.522	3.102	-151.399	8.051	380.216	17.718
		-706.888	-7.857	-348.509	-31.460	1008.969	-49.471
.							
11474	3.010	-577.823	-8.035	-305.221	-31.489	-113.098	-69.444
		-560.243	5.536	-277.021	11.142	30.857	29.954
.							
11474	6.021	-677.008	-7.578	-338.190	-31.395	-1094.890	-96.191
		-252.522	3.102	-151.399	8.051	-531.291	36.393
.							
.							
11483	0	481.283	9.405	-104.865	8.089	-115.820	-5.210
		338.320	1.141	-181.808	5.018	29.551	-1.555
.							
11483	1.000	602.688	10.359	-193.116	7.449	-266.066	5.703
		260.537	-2.684	-120.967	1.668	-114.621	-1.167
.							
11483	2.000	584.598	9.448	-222.060	8.552	-483.214	15.879
		288.056	-2.766	-67.424	-0.675298	-186.812	-6.454
.							
.							
11484	0	559.787	-5.226	161.562	-3.132	-399.367	10.256
		319.276	0.673131	14.034	1.581	-144.275	-3.819
.							
11484	1.000	577.871	-6.136	132.618	-2.030	-242.714	4.309
		286.045	3.867	49.118	0.706719	-118.368	-3.430
.							
11484	2.000	425.597	-6.286	38.507	-1.751	-141.573	-2.786
		319.493	4.468	115.656	1.822	-10.462	0.888531
.							
.							
11503	0	-4.414	0.661685	-371.750	22.550	-0.002230	4.246
		10.139	4.105	-153.328	16.506	-0.000920	-11.428
.							
11503	0.150	-4.414	0.661685	-371.750	22.550	-55.762	4.346
		10.139	4.105	-153.328	16.506	-22.999	-10.812
.							
11503	0.300	-4.414	0.661685	-371.750	22.550	-111.522	4.445
		10.139	4.105	-153.328	16.506	-45.997	-10.196
.							
.							
11504	0	-13.428	-4.517	-365.597	-49.099	-0.002194	-13.274

		2.770	-0.337532	-137.127	-14.168	-0.000823	4.180
.							
11504	0.150	-13.428	-4.517	-365.597	-49.099	-54.839	-13.951
		2.770	-0.337532	-137.127	-14.168	-20.569	4.129
.							
11504	0.300	-13.428	-4.517	-365.597	-49.099	-109.676	-14.629
		2.770	-0.337532	-137.127	-14.168	-41.137	4.078
.							
.							
11508	0	-1135.040	440.977	-16.682	-19.455	-129.438	-1521.715
		-1080.836	397.866	-12.484	8.898	142.740	-1377.462
.							
11508	2.250	-1199.905	516.895	-37.476	-25.633	-168.689	-539.846
		-1096.027	391.539	-11.034	12.806	116.245	-495.468
.							
11508	4.500	-1090.121	468.828	-44.883	-21.780	-256.326	612.599
		-841.319	283.694	10.597	6.446	106.763	355.858
.							
.							
11509	0	-947.085	-351.896	-29.647	10.386	-74.671	1159.503
		-812.898	-281.993	12.329	-3.429	49.404	904.816
.							
11509	2.250	-1107.272	-454.924	-44.329	17.540	-152.373	460.254
		-828.088	-275.666	13.780	-7.338	78.737	283.526
.							
11509	4.500	-1107.272	-454.924	-44.329	17.540	-252.109	-563.284
		-828.088	-275.666	13.780	-7.338	109.740	-336.697
.							
.							
11510	0	-1127.492	136.709	-49.518	1.845	-277.078	-191.358
		-1004.148	120.243	3.947	-4.765	132.656	-211.311
.							
11510	2.250	-1126.820	136.756	-49.776	1.649	-388.872	116.395
		-1005.268	120.166	4.376	-4.439	142.174	58.944
.							
11510	4.500	-885.232	138.845	-53.419	-1.242	-507.942	490.092
		-807.844	97.017	10.394	-0.276347	163.399	326.830
.							
.							
11511	0	-1110.094	-118.242	-47.875	-4.388	-279.905	145.219
		-772.373	-95.732	9.634	1.315	117.445	97.869
.							
11511	2.250	-1109.422	-118.289	-48.131	-4.193	-388.001	-120.985
		-773.493	-95.655	10.062	0.989784	139.758	-117.238
.							
11511	4.500	-863.862	-123.990	-51.676	-1.497	-503.664	-464.622
		-566.083	-82.842	15.495	-2.479	173.046	-361.014
.							
.							
11559	0	-19.725	-0.164063	15.427	-1.000	15.230	-31.307
		-30.195	-0.319877	-62.007	3.529	190.896	3.409
.							
11559	2.000	38.373	0.181601	-11.481	1.202	38.112	-34.695
		-42.711	-0.465414	-22.951	0.714665	81.770	0.316563
.							
11559	4.000	-20.098	0.493743	-60.657	5.249	-70.830	-39.338
		-45.822	-0.100763	9.256	-0.609586	91.085	2.566
.							
.							

11560	0	19.719	55.988	-858.065	527.023	711.376	-84.344
		-1.651	-9.031	-1569.944	-72.305	1482.148	20.252
.							
11560	1.000	29.374	-18.503	-1949.767	-127.802	-796.245	4.774
		-41.820	74.051	-571.319	642.189	296.989	-17.119
.							
11560	2.000	29.374	-18.503	-1949.767	-127.802	-2745.935	-13.728
		-41.820	74.051	-571.319	642.189	-274.307	56.930
.							
.							
11561	0	71.625	15.788	1883.493	77.299	-2452.699	-23.685
		28.840	-55.051	784.952	-546.867	-439.452	24.226
.							
11561	1.000	88.504	17.380	1633.698	80.000	-650.427	-13.221
		28.840	-55.051	784.952	-546.867	345.469	-30.824
.							
11561	2.000	81.101	-63.433	1128.803	-636.190	637.081	-111.109
		38.106	12.654	1514.612	75.113	1466.088	13.853
.							
.							
11570	0	-3191.802	75.862	-147.846	-21.848	-1512.697	108.449
		-2511.406	3.200	30.676	-25.236	493.185	-1368.717
.							
11570	0.1000	-3191.802	75.862	-147.846	-21.848	-1527.481	116.035
		-2511.406	3.200	30.676	-25.236	496.253	-1368.397
.							
11570	0.200	-3191.802	75.862	-147.846	-21.848	-1542.265	123.621
		-2511.406	3.200	30.676	-25.236	499.320	-1368.077
.							
.							
11571	0	-331.543	-7.620	68.467	-3.198	-258.067	15.632
		-365.799	25.643	13.295	14.322	27.724	-140.547
.							
11571	2.462	-284.257	21.033	65.832	14.929	-93.665	-70.620
		-413.058	-5.172	15.928	-5.188	64.629	-4.770
.							
11571	4.924	-325.494	24.667	23.528	13.647	49.904	-25.278
		-536.956	-7.511	97.168	0.366093	258.403	-19.681
.							
.							
11572	0	-444.473	6.934	100.852	-1.156	-263.299	-18.382
		-497.904	-26.798	42.239	-20.046	35.654	128.375
.							
11572	2.462	-207.587	-28.668	59.800	-22.086	-24.584	59.382
		-545.190	1.857	44.874	-1.915	143.823	-5.085
.							
11572	4.924	-259.984	-22.262	31.031	-14.620	93.685	3.233
		-524.469	6.630	103.752	-1.853	276.393	14.352
.							
.							
11573	0	-296.695	17.622	-146.805	55.887	408.381	79.589
		-648.112	-4.496	-308.155	-6.361	877.884	4.368
.							
11573	3.010	-444.527	-6.133	-220.656	-11.309	-141.405	-27.826
		-425.759	20.028	-183.631	66.871	16.403	172.642
.							
11573	6.021	-648.112	-4.496	-308.155	-6.361	-977.382	-22.703
		-297.233	23.877	-146.885	75.402	-475.400	252.241
.							

```
.
11574       0  -210.411   -22.457  -130.491   -68.015   322.232   -83.003
               -628.560     3.362  -309.910     5.901   901.341     6.845
.
11574   3.010  -344.275     2.354  -200.991     5.809  -104.216    27.794
               -508.076   -17.955  -251.228   -59.402    32.689  -138.799
.
11574   6.021  -598.440     3.785  -299.583     6.034  -970.208    26.814
               -210.417   -22.542  -130.491   -68.294  -463.391  -219.206
.
.
11583       0   423.645     2.038   -96.116     5.146   -98.042    -4.412
               299.475    14.254  -169.810    12.401    34.006     1.602
.
11583   1.000   533.486     2.372  -175.316     3.851  -235.839    -1.260
               222.648    10.498  -110.047     8.680   -98.058    14.914
.
11583   2.000   515.545  0.584227  -204.049     6.035  -435.033  0.776955
               249.578    10.740   -56.603     4.163  -159.162    20.886
.
.
11584       0   490.826     2.568   142.871  0.986462  -350.719    -4.801
               280.898   -14.975     3.652    -2.355  -117.179    25.854
.
11584   1.000   508.760  0.779344   114.139     3.171  -212.701    -3.690
               247.611    -9.317    37.963    -4.463  -101.596    10.650
.
11584   2.000   373.142 -0.236131    26.213     3.197  -130.458    -4.297
               279.299    -8.711    97.639    -2.461   -12.251     1.350
.
.ID GWS3MZ,STATIK2,1.58
.UN  M,KN
.EL !LCIM.001
.SK 3
.TP 12
.TK 6
ENVOLVENTE para < Mz > (y valores concomitantes)
(1. l¡nea: MIN., 2. l¡nea: MAX.)

Barra  Distancia        N         Vy         Vz         Mx         My         Mz
          [m]        [kN]       [kN]       [kN]      [kNm]      [kNm]      [kNm]
-------------------------------------------------------------------------------
11203       0 -0.945312  0.730180  -179.392    17.460 -0.001076    -3.297
              -18.560      7.915  -240.131    23.006 -0.001441    19.172
.                                                                      .
11203   0.150 -0.945312  0.730180  -179.392    17.460   -26.909    -3.187
              -18.560      7.915  -240.131    23.006   -36.020    20.359
.
11203   0.300 -0.945312  0.730180  -179.392    17.460   -53.817    -3.078
              -18.560      7.915  -240.131    23.006   -72.038    21.546
.                                                                      .
.
11204       0    -2.685   -13.011  -294.374   -27.348 -0.001766    -3.879
              17.177  -0.457990  -157.639   -14.629 -0.000946    19.411
.
11204   0.150    -2.667   -13.036  -296.191   -26.953   -44.429    -5.832
              17.159  -0.432683  -155.822   -15.024   -23.373    19.344
.
```

```
11204   0.300    -2.667   -13.036  -296.191   -26.953   -88.856    -7.787
              17.159  -0.432683  -155.822   -15.024   -46.746    19.279
.
.
11208       0 -1331.629   540.152     3.537     4.252   -10.053 -1821.674
              -759.176   261.969    43.784    13.426    -2.405  -801.648
.
11208   2.250 -1353.408   479.634     5.210    -1.207   -15.855  -639.724
              -648.747   280.470    50.013    22.552   111.995  -191.238
.
11208   4.500  -604.327   256.946    44.458    14.471   210.320   313.143
             -1310.790   545.011   -12.640    11.624    31.217   647.287
.
.
11209       0  -742.534  -254.273    42.305   -11.708     1.683   785.896
             -1129.435  -467.108    -3.258    -1.452    26.599  1556.239
.
11209   2.250  -577.784  -305.972    41.430   -14.862   102.961   159.697
             -1158.348  -454.870    -4.881     3.329    17.654   530.381
.
11209   4.500 -1083.804  -491.720    -4.154 -0.805260    -2.056  -665.583
              -651.448  -236.914    45.496    -9.204   217.701  -227.161
.
.
11210       0 -1337.717   138.974     1.212     1.286   -14.118  -289.293
              -430.317    79.068    52.166  0.339900   221.112   -35.669
.
11210   2.250 -1231.903   124.461    53.036  0.299683   321.853     6.582
              -840.627   137.206     1.425     2.539    -3.449   200.196
.
11210   4.500  -535.758    69.237    50.580    -1.565   453.157   235.314
              -969.928   147.443     1.558     2.835  0.072826   519.215
.
.
11211       0  -370.896   -82.918    49.331     2.070   212.139   -45.178
             -1213.224  -123.903    -3.901     2.699     5.748   174.601
.
11211   2.250  -476.711   -97.431    -2.490     1.079   -10.117  -248.539
              -860.641   -63.221    50.351     5.375   363.254   -17.281
.
11211   4.500  -894.585  -131.851    -2.146  0.412144   -7.737  -506.238
              -731.339   -52.984    50.217     5.672   476.221  -149.205
.
.
11259       0    17.769 -0.009215    -1.486  0.659735    47.951   -11.464
              -13.188  -0.437979   -18.784    -2.738   108.902    58.458
.
11259   2.000   -18.751    -2.383   -25.974 -0.717348    53.995   -12.849
              -44.947     1.179   -38.141    -3.075    78.710    59.056
.
11259   4.000   -18.758    -2.786   -34.747    -2.553   -15.495   -18.344
              -30.454     2.950   -34.775 -0.628005    -2.928    64.270
.
.
11260       0   -36.415    -7.858 -1102.607    34.793  1083.919   -17.234
              22.966   -84.365 -1297.592  -860.609   896.874   134.334
.
```

11260	1.000	-41.454	-8.147	-935.266	26.370	-31.383	-25.298
		31.539	-68.201	-1760.408	-756.891	-535.033	50.735
11260	2.000	-41.477	-88.252	-934.185	-700.718	-965.352	-78.269
		31.564	6.301	-1761.582	-80.706	-2296.738	24.232
11261	0	20.573	89.834	1049.599	771.294	-1253.964	-57.192
		89.857	-9.220	1535.765	45.603	-2046.062	33.397
11261	1.000	21.886	3.124	1182.413	-53.794	-247.587	-11.122
		89.833	70.885	1534.683	772.691	-510.180	59.452
11261	2.000	27.575	2.801	1348.260	-68.162	1140.076	-8.126
		59.917	81.550	1257.240	858.177	874.333	138.754
11270	0	-2564.245	3.653	32.176	13.963	268.407	-2107.226
		-2211.539	124.184	136.948	40.225	1277.036	1631.759
11270	0.1000	-2564.245	3.653	32.176	13.963	271.624	-2106.861
		-2211.539	124.184	136.948	40.225	1290.731	1644.177
11270	0.200	-2564.245	3.653	32.176	13.963	274.841	-2106.495
		-2211.539	124.184	136.948	40.225	1304.425	1656.595
11271	0	-394.082	-1.501	69.256	7.560	-155.896	-34.180
		-485.286	-32.293	51.904	-23.496	-127.944	203.395
11271	2.462	-394.035	-1.638	69.271	7.325	14.603	-38.207
		-498.242	-25.021	77.992	-28.605	24.691	129.241
11271	4.924	-393.708	-30.294	69.232	-10.954	185.038	-44.661
		-498.569	3.635	78.031	-10.326	216.834	70.057
11272	0	-532.888	42.198	54.504	32.583	-56.696	-212.851
		-407.354	-7.418	46.847	-8.501	-42.741	52.208
11272	2.462	-486.341	26.767	84.378	30.655	26.425	-125.401
		-382.174	1.424	75.025	-6.561	14.950	40.479
11272	4.924	-486.669	-1.889	84.418	12.376	234.292	-61.918
		-381.846	30.080	74.985	11.718	199.551	46.405
11273	0	-599.497	-25.042	-279.643	-94.524	768.825	-156.282
		-407.728	-0.502854	-206.819	11.333	568.462	26.305
11273	3.010	-599.497	-25.042	-279.643	-94.524	-72.977	-231.666
		-407.728	-0.502854	-206.818	11.333	-54.117	24.792
11273	6.021	-617.178	-25.592	-291.930	-94.439	-923.926	-308.029
		-407.797	-0.400398	-206.831	11.498	-676.708	23.375
11274	0	-420.432	0.227902	-216.673	-11.149	635.864	-32.144
		-567.415	26.308	-283.300	94.657	788.828	145.794
11274	3.010	-420.432	0.227902	-216.673	-11.149	-16.382	-31.458
		-567.415	26.308	-283.300	94.657	-63.982	224.988
11274	6.021	-420.501	0.125444	-216.686	-11.313	-668.640	-30.870
		-595.247	27.239	-293.049	94.962	-911.959	305.777
11283	0	363.213	3.810	-124.385	7.615	-41.143	-16.397
		455.023	-23.418	-157.432	-22.214	-47.775	19.507
11283	1.000	320.532	-28.714	-142.267	-22.375	-146.294	-20.438
		434.379	16.024	-125.179	14.888	-195.559	2.613
11283	2.000	454.672	-37.074	-157.381	-27.998	-362.426	-55.123
		363.563	17.467	-124.436	13.399	-290.104	19.020
11284	0	480.830	25.303	104.159	11.039	-305.521	-41.446
		319.702	-12.157	102.019	-9.895	-230.717	13.992
11284	1.000	277.587	20.512	73.295	10.894	-117.967	-17.718
		363.517	-2.429	30.758	-6.551	-149.819	3.346
11284	2.000	319.351	1.499	101.968	-4.111	-26.590	-10.808
		382.370	12.858	97.935	8.024	-58.345	12.543
11303	0	-1.394	0.784665	-197.195	18.536	-0.001183	-4.323
		-10.128	4.429	-328.089	25.523	-0.001969	9.962
11303	0.150	-1.394	0.784665	-197.195	18.536	-29.579	-4.205
		-9.026	13.061	-261.239	28.106	-39.186	10.694
11303	0.300	-1.394	0.784665	-197.195	18.536	-59.157	-4.087
		-9.026	13.061	-261.239	28.106	-78.370	12.653
11304	0	-5.264	-4.542	-410.828	-25.004	-0.002465	-4.795
		6.243	-0.671183	-187.831	-18.653	-0.001127	10.052
11304	0.150	-4.225	-13.162	-340.437	-28.521	-51.065	-6.210
		6.243	-0.671183	-187.831	-18.653	-28.175	9.952
11304	0.300	-4.225	-13.162	-340.437	-28.521	-102.129	-8.185
		6.243	-0.671183	-187.831	-18.653	-56.348	9.851
11308	0	-1490.275	608.404	24.141	9.122	4.945	-2049.439
		-847.396	302.483	-3.345	-0.749485	5.044	-927.383
11308	2.250	-1519.443	596.126	23.352	6.859	58.441	-705.896
		-736.006	319.970	-1.919	3.176	4.118	-227.146
11308	4.500	-691.424	294.818	-2.441	1.584	5.656	359.436
		-1469.467	615.260	7.974	16.291	138.457	733.176
11309	0	-830.990	-294.702	-4.424	1.376	8.593	911.499

		-1290.428	-538.299	17.902	-9.005	40.921	1794.491
.							
11309	2.250	-665.943	-345.761	-5.540	-1.027	4.672	193.720
		-1319.596	-526.021	17.114	-6.745	80.381	608.674
.							
11309	4.500	-1243.487	-560.915	17.663	-9.139	109.790	-749.930
		-739.065	-274.617	-4.019	3.098	0.572198	-272.615
.							
.							
11310	0	-1460.685	153.774	25.778	0.037032	103.436	-311.413
		-500.342	89.820	-1.534	0.557498	7.696	-41.254
.							
11310	2.250	-1338.915	137.137	-0.489183	0.595951	-11.450	15.296
		-960.808	154.137	25.621	0.550583	173.937	223.638
.							
11310	4.500	-611.932	79.306	-1.256	0.677814	0.308668	269.676
		-1108.853	165.912	25.570	0.712052	231.863	582.361
.							
.							
11311	0	-442.003	-93.569	-2.864	0.487270	-3.854	-39.563
		-1357.783	-141.831	22.958	1.989	122.553	197.975
.							
11311	2.250	-563.772	-110.206	23.406	1.044	162.588	-269.354
		-957.489	-74.684	-4.227	2.175	4.236	-26.625
.							
11311	4.500	-1034.940	-150.190	23.589	0.806907	227.816	-568.732
		-809.444	-62.908	-4.176	2.337	-5.555	-182.728
.							
.							
11359	0	11.605	0.027043	-1.562	0.788736	55.280	-10.885
		14.865	-0.044632	-11.190	-1.394	85.859	38.998
.							
11359	2.000	-23.062	-2.441	-34.255	-1.224	60.808	-12.154
		-36.419	2.951	-34.811	-0.417497	75.458	41.327
.							
11359	4.000	-23.075	-2.623	-34.326	-2.047	-7.839	-17.251
		-36.406	3.134	-34.740	0.405977	5.978	47.445
.							
.							
11360	0	13.262	-4.926	-1692.050	35.791	1279.379	-15.809
		28.273	-29.006	-1743.530	-407.144	1134.714	68.473
.							
11360	1.000	6.559	-6.141	-1503.887	49.780	-469.232	-21.484
		34.977	-27.791	-1931.693	-421.133	-552.118	40.218
.							
11360	2.000	6.623	-44.610	-1506.778	-298.926	-1976.423	-49.186
		34.912	10.678	-1928.802	-72.427	-2480.369	33.990
.							
.							
11361	0	25.214	41.388	1324.056	297.190	-1604.381	-36.321
		53.446	-9.721	1670.970	72.717	-1950.090	29.497
.							
11361	1.000	25.149	2.918	1321.164	-51.516	-279.905	-11.841
		53.510	28.748	1673.861	421.423	-279.660	36.682
.							
11361	2.000	28.649	0.726229	1312.116	1.804	1111.937	-9.592
		46.807	29.958	1485.701	407.430	1149.349	65.903
.							
.							

11370	0	-3241.325	4.339	71.014	7.713	653.141	-2194.341
		-2141.000	124.987	-5.786	19.507	-1.241	1697.046
.							
11370	0.1000	-3241.325	4.339	71.014	7.713	660.242	-2193.907
		-2141.000	124.987	-5.786	19.507	-1.820	1709.544
.							
11370	0.200	-3241.325	4.339	71.014	7.713	667.343	-2193.473
		-2141.000	124.987	-5.786	19.507	-2.398	1722.043
.							
.							
11371	0	-433.490	-1.550	73.001	6.721	-162.062	-32.510
		-437.094	-12.957	64.356	-15.925	-196.571	128.381
.							
11371	2.462	-433.490	-1.550	73.001	6.721	17.675	-36.325
		-548.734	-11.578	83.061	-21.248	28.346	99.165
.							
11371	4.924	-434.358	-16.382	73.097	-2.716	197.708	-41.558
		-547.866	3.254	82.965	-11.811	232.557	72.075
.							
.							
11372	0	-558.128	27.232	53.788	25.907	-26.243	-150.417
		-449.697	-7.041	50.815	-8.279	-49.829	48.863
.							
11372	2.462	-536.828	13.016	89.356	22.591	29.996	-96.933
		-421.661	1.129	78.604	-6.524	17.911	37.268
.							
11372	4.924	-535.960	-1.817	89.260	13.154	249.705	-66.305
		-422.529	15.961	78.700	2.913	211.739	41.465
.							
.							
11373	0	-549.911	-9.126	-263.948	-53.472	688.231	-95.135
		-456.227	-0.458641	-230.328	10.767	634.423	25.499
.							
11373	3.010	-579.437	-9.691	-284.317	-53.055	-59.850	-123.923
		-456.227	-0.458641	-230.328	10.767	-58.929	24.119
.							
11373	6.021	-510.584	-10.031	-251.175	-53.172	-809.356	-153.369
		-525.081	-0.118932	-263.470	10.884	-858.648	23.012
.							
.							
11374	0	-468.593	0.026130	-240.302	-10.679	702.025	-29.165
		-557.396	10.007	-281.451	53.109	782.181	92.581
.							
11374	3.010	-468.593	0.026130	-240.302	-10.679	-21.349	-29.087
		-603.296	11.183	-297.770	53.327	-8.305	123.223
.							
11374	6.021	-537.447	-0.314166	-273.444	-10.796	-851.090	-29.278
		-534.442	11.523	-264.628	53.445	-798.309	157.157
.							
.							
11383	0	407.455	16.921	-132.303	12.766	-52.569	-15.483
		508.731	-31.702	-167.265	-24.849	-61.948	21.648
.							
11383	1.000	430.310	-30.300	-164.254	-26.155	-195.953	-11.072
		485.876	15.520	-135.314	14.072	-218.120	2.457
.							
11383	2.000	508.769	-31.513	-167.225	-25.167	-396.441	-41.808
		407.418	16.732	-132.343	13.084	-317.189	18.413
.							

.							
11384	0	434.490	20.372	113.486	12.255	-292.422	-27.958
		361.829	-12.687	115.413	-8.771	-261.877	14.096
.							
11384	1.000	339.808	14.479	89.098	9.905	-143.699	-8.506
		405.912	-7.566	75.221	-6.482	-169.016	2.656
.							
11384	2.000	361.866	-12.876	115.374	-8.453	-31.116	-11.710
		434.452	20.562	113.526	11.937	-65.402	13.218
.							
.							
11403	0	4.657	0.502877	-188.799	15.638	-0.001133	-7.081
		-8.467	4.595	-420.251	26.736	-0.002521	8.359
.							
11403	0.150	4.657	0.502877	-188.799	15.638	-28.320	-7.005
		-8.467	4.595	-420.251	26.736	-63.038	9.048
.							
11403	0.300	4.657	0.502877	-188.799	15.638	-56.638	-6.930
		-6.147	13.194	-346.052	29.560	-103.813	10.333
.							
.							
11404	0	-7.357	-8.017	-255.959	-23.237	-0.001536	-7.128
		1.999	-0.837981	-196.756	-19.457	-0.001181	7.808
.							
11404	0.150	-7.070	-13.027	-255.799	-27.133	-38.370	-8.580
		1.999	-0.837981	-196.756	-19.457	-29.513	7.682
.							
11404	0.300	-7.070	-13.027	-255.799	-27.133	-76.738	-10.534
		1.999	-0.837981	-196.756	-19.457	-59.026	7.556
.							
.							
11408	0	-1490.006	608.669	-9.784	-10.734	-53.630	-2050.416
		-847.973	303.417	13.303	3.154	-32.351	-930.603
.							
11408	2.250	-1519.175	596.392	-8.995	-8.471	-74.823	-706.274
		-736.353	320.531	7.894	-1.734	-7.059	-227.816
.							
11408	4.500	-691.280	294.784	13.100	2.112	42.148	359.441
		-1411.587	606.287	-5.117	-12.110	-104.128	732.992
.							
.							
11409	0	-831.667	-295.557	12.927	-4.443	-29.747	914.399
		-1300.265	-539.633	-11.433	7.094	-44.140	1797.886
.							
11409	2.250	-665.970	-345.565	10.961	-4.750	4.656	193.414
		-1329.433	-527.354	-10.645	4.834	-69.045	609.069
.							
11409	4.500	-1243.503	-560.797	-14.410	5.673	-96.874	-749.849
		-738.989	-274.585	10.255	-5.086	27.473	-272.576
.							
.							
11410	0	-1460.547	153.766	-10.763	0.722093	-92.671	-311.416
		-500.232	89.806	13.254	-0.790394	41.613	-41.238
.							
11410	2.250	-1338.777	137.128	15.505	0.163173	55.999	15.274
		-960.701	154.171	-17.815	-0.552594	-146.399	223.656
.							
11410	4.500	-611.695	79.303	13.359	-0.699355	103.684	269.692
		-1108.746	165.946	-17.764	-0.714063	-186.762	582.454

.							
.							
11411	0	-441.894	-93.545	13.927	-0.087084	25.922	-39.644
		-1357.680	-141.863	-15.337	-1.933	-112.048	198.025
.							
11411	2.250	-563.663	-110.182	-12.343	-0.643739	-115.628	-269.381
		-957.422	-74.675	11.259	-2.035	41.170	-26.615
.							
11411	4.500	-1034.875	-150.175	-16.951	-0.566796	-184.704	-568.715
		-809.378	-62.900	11.208	-2.198	66.782	-182.698
.							
.							
11459	0	-6.965	0.164651	-10.273	1.367	86.628	-27.896
		30.720	0.088558	-2.448	-0.817156	55.096	21.883
.							
11459	2.000	-37.894	-2.071	-25.028	0.023602	73.947	-28.673
		-22.170	3.271	-43.743	0.835923	62.479	24.599
.							
11459	4.000	-37.881	-2.254	-24.957	-0.799872	24.033	-33.031
		-22.184	3.454	-43.814	1.659	-25.142	31.356
.							
.							
11460	0	25.181	22.011	-1359.323	283.634	983.664	-47.083
		13.856	-12.646	-1822.831	-214.400	1320.559	43.816
.							
11460	1.000	34.360	9.877	-1800.358	239.130	-462.118	-29.512
		7.152	-11.431	-1634.668	-228.389	-558.828	31.920
.							
11460	2.000	34.296	-28.592	-1797.466	-109.576	-2259.039	-41.197
		7.216	27.039	-1637.560	120.317	-2196.796	42.050
.							
.							
11461	0	53.066	27.944	1614.916	109.938	-1887.227	-38.021
		25.704	-23.552	1379.777	-118.012	-1666.693	28.045
.							
11461	1.000	93.692	-16.229	1667.094	-261.149	-530.057	-28.321
		25.640	14.917	1376.886	230.694	-286.498	21.399
.							
11461	2.000	62.197	-23.228	1237.222	-256.767	903.859	-48.853
		32.343	16.127	1565.046	216.702	1335.117	36.790
.							
.							
11470	0	-3240.971	4.333	-34.506	3.336	-430.191	-2194.373
		-2140.786	124.984	26.081	-19.508	185.201	1697.046
.							
11470	0.1000	-3240.971	4.333	-34.506	3.336	-433.642	-2193.940
		-2140.786	124.984	26.081	-19.508	187.809	1709.544
.							
11470	0.200	-3240.971	4.333	-34.506	3.336	-437.092	-2193.506
		-2140.786	124.984	26.081	-19.508	190.417	1722.042
.							
.							
11471	0	-594.133	10.632	62.275	13.513	-107.874	-91.726
		-356.769	-4.842	65.495	-8.194	-211.575	70.135
.							
11471	2.462	-433.180	6.066	64.839	11.737	-20.271	-72.078
		-469.975	-2.821	85.747	-12.943	16.169	62.884
.							
11471	4.924	-432.312	-8.766	64.743	2.300	139.075	-58.559

		-470.843	12.012	85.843	-3.506	227.584	57.356
.							
.							
11472	0	-476.607	18.274	56.239	15.774	-44.177	-95.757
		-531.533	-15.730	47.442	-18.246	-29.694	102.610
.							
11472	2.462	-457.892	3.821	92.195	13.152	17.828	-63.293
		-498.362	-8.252	74.255	-15.816	30.305	70.194
.							
11472	4.924	-458.760	-11.012	92.291	3.715	245.119	-55.304
		-497.495	6.581	74.159	-6.379	212.834	51.294
.							
.							
11473	0	-473.435	-4.972	-241.266	-30.270	662.336	-55.599
		-683.437	6.719	-322.612	36.333	921.230	66.473
.							
11473	3.010	-473.435	-4.972	-241.266	-30.270	-63.941	-70.567
		-683.437	6.719	-322.612	36.333	-49.921	86.699
.							
11473	6.021	-542.288	-5.312	-274.408	-30.387	-896.585	-85.808
		-470.376	7.249	-218.670	35.867	-686.133	107.453
.							
.							
11474	0	-632.713	-7.080	-313.654	-36.479	874.446	-62.571
		-451.371	4.955	-238.390	30.159	648.451	57.562
.							
11474	3.010	-653.529	-7.488	-321.737	-36.539	-43.472	-84.651
		-497.475	5.958	-254.590	30.288	-12.314	74.817
.							
11474	6.021	-440.467	-8.020	-217.795	-36.074	-677.051	-107.710
		-566.328	6.298	-287.733	30.406	-885.068	93.022
.							
.							
11483	0	494.127	21.084	-125.349	17.600	-98.212	-15.519
		423.654	-27.030	-170.787	-19.781	-20.781	21.184
.							
11483	1.000	502.075	-25.629	-173.798	-21.087	-224.814	-6.865
		355.271	14.711	-126.089	13.554	-162.194	7.242
.							
11483	2.000	423.617	-26.841	-170.827	-20.099	-362.364	-32.929
		494.165	20.895	-125.310	17.918	-348.878	26.702
.							
.							
11484	0	350.382	13.045	117.052	8.438	-258.593	-17.532
		445.834	-19.633	114.383	-12.422	-297.955	24.158
.							
11484	1.000	428.838	11.834	120.024	9.424	-174.815	-5.259
		316.425	-11.879	72.720	-8.188	-134.174	6.649
.							
11484	2.000	445.796	-19.822	114.423	-12.104	-69.141	-15.539
		350.420	13.234	117.013	8.120	-24.554	8.990
.							
.							
11503	0	15.132	0.433865	-157.900	14.111	-0.000947	-17.314
		-6.649	4.508	-366.805	25.805	-0.002201	7.388
.							
11503	0.150	15.114	0.408558	-156.087	14.507	-23.413	-17.250
		-6.619	4.551	-369.826	25.145	-55.474	8.067
.							

11503	0.300	15.114	0.408558	-156.087	14.507	-46.825	-17.189
		-4.622	13.066	-301.554	27.923	-90.464	9.907
.							
.							
11504	0	-16.581	-7.890	-234.729	-22.032	-0.001408	-17.097
		2.444	-0.780347	-179.004	-18.326	-0.001074	6.767
.							
11504	0.150	-16.581	-7.890	-234.729	-22.032	-35.209	-18.281
		2.444	-0.780347	-179.004	-18.326	-26.851	6.650
.							
11504	0.300	-16.581	-7.890	-234.729	-22.032	-70.417	-19.465
		2.444	-0.780347	-179.004	-18.326	-53.700	6.532
.							
.							
11508	0	-1331.763	540.385	10.810	-6.016	-38.958	-1822.516
		-759.858	262.588	-34.094	-10.961	-24.378	-803.757
.							
11508	2.250	-1353.632	480.022	18.702	-1.733	-12.030	-640.256
		-649.156	280.841	-44.198	-21.073	-114.984	-191.668
.							
11508	4.500	-604.671	257.110	-33.909	-10.945	-162.855	313.362
		-1311.262	544.734	-5.333	1.780	34.705	647.192
.							
.							
11509	0	-743.270	-254.851	-34.104	8.530	-22.131	787.828
		-1139.043	-467.895	9.611	-0.509908	-29.526	1557.755
.							
11509	2.250	-578.167	-306.044	-36.076	8.792	-93.594	159.669
		-1167.957	-455.657	11.234	-5.291	-6.286	530.127
.							
11509	4.500	-1084.034	-491.763	7.366	-2.837	14.904	-665.696
		-651.672	-237.010	-39.259	7.176	-189.615	-227.279
.							
.							
11510	0	-1338.177	139.004	13.551	-0.654155	24.593	-289.357
		-430.646	79.111	-40.450	-0.566679	-171.788	-35.716
.							
11510	2.250	-1232.362	124.491	-38.273	0.332545	-278.163	6.586
		-840.802	137.250	6.292	-2.544	30.462	200.236
.							
11510	4.500	-536.010	69.285	-38.664	1.405	-349.808	235.487
		-970.104	147.486	6.158	-2.840	44.302	519.353
.							
.							
11511	0	-371.055	-82.966	-38.279	-1.821	-190.889	-45.179
		-1213.387	-123.947	11.438	-2.651	4.424	174.654
.							
11511	2.250	-476.869	-97.479	13.542	-0.830588	56.233	-248.649
		-860.837	-63.247	-43.321	-5.239	-317.843	-17.311
.							
11511	4.500	-894.680	-131.880	8.777	-0.263073	50.326	-506.369
		-731.536	-53.010	-43.187	-5.536	-414.993	-149.293
.							
.							
11559	0	-24.665	0.507848	-18.253	2.722	109.026	-51.880
		35.562	0.126912	-2.348	-0.665803	48.053	22.280
.							
11559	2.000	-45.488	-0.680368	-32.468	2.844	77.717	-51.613
		-18.138	3.280	-35.190	0.774704	55.784	25.050

```
.
11559    4.000   -45.483    -1.273   -15.192  0.136521    47.334   -54.113
                 -18.145     3.683   -43.963     2.611   -32.138    32.338
.
.
11560        0    22.573    73.832 -1219.159   753.457   872.393  -117.538
                   9.933    -9.671 -1663.514  -240.400  1174.965    44.623
.
11560    1.000    35.608    73.052 -1746.253   746.111  -392.870   -44.338
                   4.244    -9.343 -1497.668  -226.028  -527.940    35.162
.
11560    2.000    30.910   -23.857 -1630.861   -97.880 -2076.109   -31.347
                 -41.004    78.280 -1013.478   595.809 -1099.003    75.415
.
.
11561        0    89.570    19.915  1502.557    61.894 -2008.951   -38.360
                  20.902   -79.347  1083.382  -665.823 -1291.682    52.300
.
11561    1.000    89.546   -60.191  1501.476  -665.195  -506.275   -53.722
                  22.435    14.354  1238.720   229.579  -254.147    20.445
.
11561    2.000    62.338   -71.526  1072.508  -739.768   910.466  -122.713
                  28.124    14.677  1404.566   243.947  1189.820    34.925
.
.
11570        0 -2565.063     3.551     3.721    -4.172   -50.867 -2108.239
              -2212.362   124.188  -116.463   -40.227 -1091.176  1631.758
.
11570   0.1000 -2565.063     3.551     3.721    -4.172   -50.495 -2107.884
              -2212.362   124.188  -116.463   -40.227 -1102.822  1644.176
.
11570   0.200 -2565.063     3.551     3.721    -4.172   -50.122 -2107.529
              -2212.362   124.188  -116.463   -40.227 -1114.468  1656.594
.
.
11571        0  -531.523    28.846    56.371    23.538   -98.100  -179.647
                -429.546    -2.926    81.393   -13.684  -187.129    71.033
.
11571    2.462  -483.613    28.118    51.955    20.858    10.468  -109.695
                -429.500    -2.790    81.408   -13.449    13.253    64.159
.
11571    4.924  -382.296    -9.069    57.949 -0.126342   118.513   -58.322
                -429.172    25.866    81.369     4.830   213.572    59.712
.
.
11572        0  -435.012    18.215    51.722    15.416   -35.707   -98.807
                -516.771   -35.469    51.270   -28.090   -60.148   184.732
.
11572    2.462  -417.476     3.552    87.885    13.038    14.980   -66.009
                -499.879   -30.108    67.975   -25.973    31.642   103.170
.
11572    4.924  -417.148   -25.104    87.846    -5.241   231.245   -59.684
                -450.539     6.823    70.839    -5.753   200.950    48.024
.
.
11573        0  -425.346    -4.819  -217.806   -30.487   596.626   -55.817
                -592.245    21.899  -276.016    82.759   766.655   137.874
.
11573    3.010  -425.346    -4.819  -217.806   -30.487   -59.031   -70.322
                -592.245    21.899  -276.016    82.759   -64.230   203.797
.
11573    6.021  -425.415    -4.921  -217.820   -30.652  -714.701   -84.925
                -606.932    22.339  -285.404    82.739  -901.282   270.364
.
.
11574        0  -556.679   -23.005  -276.535   -82.961   770.710  -127.842
                -449.854     5.494  -231.136    30.347   688.578    61.009
.
11574    3.010  -556.679   -23.005  -276.535   -82.961   -61.738  -197.092
                -449.854     5.494  -231.136    30.347    -7.204    77.548
.
11574    6.021  -577.935   -23.655  -284.502   -83.199  -891.683  -267.540
                -449.923     5.597  -231.149    30.512  -702.998    94.185
.
.
11583        0   438.899    13.324  -119.016    15.178   -79.534   -13.950
                 380.614   -13.829  -160.508   -14.171   -12.434    22.164
.
11583    1.000   451.780   -26.043  -161.302   -21.443  -202.971    -6.863
                 310.858    22.656  -119.218    18.153  -142.300    17.717
.
11583    2.000   380.965   -27.485  -160.559   -19.954  -333.638   -33.289
                 502.383    24.668  -136.624    16.444  -360.011    40.989
.
.
11584        0   308.495    12.884   101.105     9.753  -225.220   -17.912
                 487.609   -24.925   105.652   -10.897  -309.697    39.058
.
11584    1.000   379.307    11.444   101.848    11.240  -154.006    -6.087
                 272.923   -20.274    60.861   -11.347  -115.073    16.253
.
11584    2.000   393.668   -12.230   100.424    -7.787   -60.326   -15.265
                 308.145 -0.772527   101.054     3.969   -22.922     8.342
.
.
.ID GWS3KX,STATIK2,1.58
.UN  M,KN
.EL !LCIM.001
.SK 3
.TP 12
.TK 6
ENVOLVENTE para < N  > (y valores concomitantes)
(1. l¡nea: MIN., 2. l¡nea: MAX.)

Barra  Distancia        N        Vy        Vz        Mx        My        Mz
          [m]       [kN]      [kN]      [kN]     [kNm]     [kNm]     [kNm]
-------------------------------------------------------------------------------
11270        0 -3447.646    74.730    -3.877    23.800   -20.038   698.934
              -1704.397 -0.010160   175.471 -0.304307  1618.762 -0.102154
.
11270   0.1000 -3447.646    74.730    -3.877    23.800   -20.425   706.407

              -1704.397 -0.010160   175.471 -0.304307  1636.309 -0.103170
.
11270   0.200 -3447.646    74.730    -3.877    23.800   -20.813   713.879
              -1704.397 -0.010160   175.471 -0.304307  1653.855 -0.104186
.
.
```

```
11370        0 -3896.619  0.113246    69.481  0.296085   681.956   -50.982
                -1949.726    75.185    -4.671    10.767     4.336   756.263
.
11370   0.1000 -3896.619  0.113246    69.481  0.296085   688.904   -50.971
                -1949.726    75.185    -4.671    10.767     3.869   763.781
.
11370    0.200 -3896.619  0.113246    69.481  0.296085   695.852   -50.960
                -1949.726    75.185    -4.671    10.767     3.402   771.299
.
.
11470        0 -3896.407  0.113048   -47.538  0.220078  -547.890   -50.984
                -1949.372    37.563    39.216    -4.824   308.797   377.838
.
11470   0.1000 -3896.407  0.113048   -47.538  0.220078  -552.644   -50.972
                -1949.372    37.563    39.216    -4.824   312.718   381.594
.
11470    0.200 -3896.407  0.113048   -47.538  0.220078  -557.397   -50.961
                -1949.372    37.563    39.216    -4.824   316.640   385.350
.
.
11570        0 -3448.249    74.728    25.569   -23.325   151.945   698.890
                -1705.028 -0.011861  -155.191  0.329971 -1434.826 -0.119271
.
11570   0.1000 -3448.249    74.728    25.569   -23.325   154.501   706.363
                -1705.028 -0.011861  -155.191  0.329971 -1450.345 -0.120456
.
11570    0.200 -3448.249    74.728    25.569   -23.325   157.058   713.836
                -1705.028 -0.011861  -155.191  0.329971 -1465.863 -0.121643
.
.ID GWS3KZ,STATIK2,1.58
.UN  M,KN
.EL !LCIM.001
.SK 3
.TP 12
.TK 6
ENVOLVENTE para < Vz > (y valores concomitantes)
(1. l¡nea: MIN., 2. l¡nea: MAX.)

Barra  Distancia        N         Vy         Vz         Mx         My         Mz
          [m]       [kN]       [kN]       [kN]     [kNm]      [kNm]      [kNm]
-------------------------------------------------------------------------------
11203        0   -17.229   0.728845   -341.777     22.949 -0.002051     16.925
              -0.483361      4.066   -138.848     15.929 -0.000833 -0.910809
.
11203    0.150   -17.229   0.728845   -341.777     22.949   -51.267     17.034
              -0.483361      4.066   -138.848     15.929   -20.827 -0.300889
.
11203    0.300   -17.229   0.728845   -341.777     22.949  -102.531     17.143
              -0.483361      4.066   -138.848     15.929   -41.654  0.309032
.
.
11204        0    -2.182 -0.721760   -390.486    -45.432 -0.002343     -2.777
                13.362     -4.103   -152.495    -17.914 -0.000915     14.699
.
11204    0.150    -2.182 -0.721760   -390.486    -45.432   -58.573     -2.885
                13.362     -4.103   -152.495    -17.914   -22.874     14.084
.
11204    0.300    -2.182 -0.721760   -390.486    -45.432  -117.143     -2.994
```



```
                13.362     -4.103   -152.495    -17.914   -45.748     13.468
.
.
11208        0 -1231.243   457.017    -27.421    13.076   158.611 -1595.673
                -811.678   339.794     66.771    17.708   -58.680 -1118.273
.
11208    2.250 -1231.243   457.017    -27.421    13.076    96.917  -567.427
                -811.678   339.794     66.771    17.708    91.549  -353.767
.
11208    4.500 -1231.243   457.017    -27.421    13.076    35.222   460.820
                -811.678   339.794     66.771    17.708   241.777   410.740
.
.
11209        0  -825.532  -367.189    -14.511    -1.481    34.477  1146.302
                -642.417  -294.661     60.549   -13.564 -0.267367   902.650
.
11209    2.250  -825.532  -367.189    -14.511    -1.481     1.829   320.160
                -642.417  -294.661     60.549   -13.564    135.962   239.688
.
11209    4.500  -825.532  -367.189    -14.511    -1.481   -30.819  -505.982
                -642.417  -294.661     60.549   -13.564    272.191  -423.274
.
.
11210        0 -1162.532   132.736     -6.963    -1.528    79.089  -215.630
                -682.297   100.761     66.968     3.044   222.258  -144.530
.
11210    2.250 -1162.532   132.736     -6.963    -1.528    63.422    83.013
                -682.297   100.761     66.968     3.044   372.931    82.173
.
11210    4.500 -1162.532   132.736     -6.963    -1.528    47.756   381.657
                -682.297   100.761     66.968     3.044   523.603   308.877
.
.
11211        0  -943.948   -82.512     -7.853     5.082    43.056   107.639
                -665.462   -82.145     62.614  0.406991   233.283    98.298
.
11211    2.250  -943.948   -82.512     -7.853     5.082    25.387   -78.006
                -665.462   -82.145     62.614  0.406991   374.160   -86.522
.
11211    4.500  -943.948   -82.512     -7.853     5.082     7.719  -263.651
                -665.462   -82.145     62.614  0.406991   515.036  -271.342
.
.
11259        0   -17.967    -1.723    -62.084    -3.353   180.755    30.951
                -19.722   0.150252     15.437   0.935324    15.213    10.273
.
11259    2.000   -17.967    -1.723    -62.084    -3.353    56.592    27.505
                -19.722   0.150252     15.437   0.935324    46.087    10.573
.
11259    4.000   -17.967    -1.723    -62.084    -3.353   -67.572    24.059
                -19.722   0.150252     15.437   0.935324    76.960    10.874
.
.
11260        0    29.308 -0.784934  -1949.036    17.199  1153.073    -5.885
                -41.827    -84.191   -571.003  -734.160   868.022   105.764
.
11260    1.000    29.308 -0.784934  -1949.036    17.199  -795.885    -6.669
                -41.827    -84.191   -571.003  -734.160   297.041    21.577
.
```

11260	2.000	29.308	-0.784934	-1949.036	17.199	-2744.843	-7.454
		-41.827	-84.191	-571.003	-734.160	-273.939	-62.610
.							
.							
11261	0	28.875	71.864	784.673	655.721	-439.373	-35.617
		71.613	-5.003	1883.201	-11.388	-2452.384	14.302
.							
11261	1.000	28.875	71.864	784.673	655.721	345.269	36.244
		71.613	-5.003	1883.201	-11.388	-569.253	9.300
.							
11261	2.000	28.875	71.864	784.673	655.721	1129.911	108.105
		71.613	-5.003	1883.201	-11.388	1313.863	4.298
.							
.							
11270	0	-2699.533	0.090181	-12.054	-0.319246	118.071	-53.012
		-2114.593	74.709	178.777	24.017	1525.597	713.106
.							
11270	0.1000	-2699.533	0.090181	-12.054	-0.319246	116.865	-53.003
		-2114.593	74.709	178.777	24.017	1543.474	720.577
.							
11270	0.200	-2699.533	0.090181	-12.054	-0.319246	115.660	-52.994
		-2114.593	74.709	178.777	24.017	1561.351	728.048
.							
.							
11271	0	-317.706	-29.362	11.544	-16.389	10.468	159.368
		-537.135	-2.003	97.312	0.514999	-220.464	-3.094
.							
11271	2.462	-317.706	-29.362	11.544	-16.389	38.891	87.076
		-537.135	-2.003	97.312	0.514999	19.130	-8.025
.							
11271	4.924	-317.706	-29.362	11.544	-16.389	67.315	14.784
		-537.135	-2.003	97.312	0.514999	258.723	-12.956
.							
.							
11272	0	-315.061	30.794	28.782	21.986	-28.101	-156.232
		-524.596	2.117	103.925	0.470718	-234.977	5.363
.							
11272	2.462	-315.061	30.794	28.782	21.986	42.762	-80.414
		-524.596	2.117	103.925	0.470718	20.899	10.575
.							
11272	4.924	-315.061	30.794	28.782	21.986	113.626	-4.596
		-524.596	2.117	103.925	0.470718	276.775	15.788
.							
.							
11273	0	-647.979	1.248	-308.113	0.937339	877.750	-9.188
		-296.487	-22.844	-146.712	-72.088	408.108	-103.188
.							
11273	3.010	-647.979	1.248	-308.113	0.937339	-49.755	-5.430
		-296.487	-22.844	-146.712	-72.088	-33.535	-171.956
.							
11273	6.021	-647.979	1.248	-308.113	0.937339	-977.259	-1.672
		-296.487	-22.844	-146.712	-72.088	-475.178	-240.724
.							
.							
11274	0	-628.401	-0.647091	-309.845	-0.553169	901.127	-0.895636
		-210.302	25.622	-130.436	77.813	322.081	97.169
.							
11274	3.010	-628.401	-0.647091	-309.845	-0.553169	-31.592	-2.844
		-210.302	25.622	-130.436	77.813	-70.568	174.300
.							
.							
11274	6.021	-628.401	-0.647091	-309.845	-0.553169	-964.312	-4.791
		-210.302	25.622	-130.436	77.813	-463.217	251.431
.							
.							
11283	0	515.290	4.820	-204.492	-0.128298	-26.359	-5.746
		248.958	-15.358	-56.266	-6.244	-45.995	1.181
.							
11283	1.000	515.290	4.820	-204.492	-0.128298	-230.843	-0.925754
		248.958	-15.358	-56.266	-6.244	-102.259	-14.176
.							
11283	2.000	515.290	4.820	-204.492	-0.128298	-435.328	3.894
		248.958	-15.358	-56.266	-6.244	-158.522	-29.533
.							
.							
11284	0	280.554	18.597	3.316	4.324	-116.682	-32.003
		490.807	2.586	142.710	2.117	-350.581	-2.584
.							
11284	1.000	280.554	18.597	3.316	4.324	-113.366	-13.406
		490.807	2.586	142.710	2.117	-207.877	0.001701
.							
11284	2.000	280.554	18.597	3.316	4.324	-110.050	5.190
		490.807	2.586	142.710	2.117	-65.173	2.587
.							
.							
11303	0	-10.167	0.776682	-372.468	24.511	-0.002235	8.305
		-1.271	4.161	-153.722	17.802	-0.000922	-1.286
.							
11303	0.150	-10.167	0.776682	-372.468	24.511	-55.870	8.421
		-1.271	4.161	-153.722	17.802	-23.058	-0.661635
.							
11303	0.300	-10.167	0.776682	-372.468	24.511	-111.738	8.538
		-1.271	4.161	-153.722	17.802	-46.115	-0.037498
.							
.							
11304	0	2.184	-0.857710	-440.312	-38.014	-0.002642	3.426
		1.422	-4.441	-184.395	-22.601	-0.001106	4.727
.							
11304	0.150	2.184	-0.857710	-440.312	-38.014	-66.047	3.297
		1.422	-4.441	-184.395	-22.601	-27.659	4.061
.							
11304	0.300	2.184	-0.857710	-440.312	-38.014	-132.091	3.169
		1.422	-4.441	-184.395	-22.601	-55.317	3.395
.							
.							
11308	0	-1350.656	510.570	-30.878	10.701	171.656	-1772.804
		-1083.780	425.618	42.664	3.126	-95.698	-1445.848
.							
11308	2.250	-1350.656	510.570	-30.878	10.701	102.134	-624.067
		-1083.780	425.618	42.664	3.126	0.292988	-488.245
.							
11308	4.500	-1350.656	510.570	-30.878	10.701	32.712	524.671
		-1083.780	425.618	42.664	3.126	96.284	469.357
.							
.							
11309	0	-946.691	-418.818	-16.690	-1.849	46.936	1316.580
		-769.867	-362.576	34.460	-3.030	-2.216	1082.094
.							
11309	2.250	-946.691	-418.818	-16.690	-1.849	9.385	374.278

		-769.867	-362.576	34.460	-3.030	75.315	266.330
.							
11309	4.500	-946.691	-418.818	-16.690	-1.849	-28.166	-568.024
		-769.867	-362.576	34.460	-3.030	152.847	-549.433
.							
.							
11310	0	-1264.468	147.156	-10.260	-2.919	86.162	-228.782
		-1012.497	121.273	32.982	3.336	59.029	-214.358
.							
11310	2.250	-1264.468	147.156	-10.260	-2.919	63.079	102.307
		-1012.497	121.273	32.982	3.336	133.236	58.494
.							
11310	4.500	-1264.468	147.156	-10.260	-2.919	39.995	433.395
		-1012.497	121.273	32.982	3.336	207.443	331.347
.							
.							
11311	0	-979.685	-118.752	-8.909	2.625	56.760	113.904
		-845.642	-101.921	29.327	-1.146	69.113	128.232
.							
11311	2.250	-979.685	-118.752	-8.909	2.625	36.716	-153.277
		-845.642	-101.921	29.327	-1.146	135.097	-101.082
.							
11311	4.500	-979.685	-118.752	-8.909	2.625	16.673	-420.458
		-845.642	-101.921	29.327	-1.146	201.080	-330.396
.							
.							
11359	0	-22.189	-1.294	-64.114	-1.574	191.810	1.184
		-37.266	-0.192760	17.335	-0.461097	30.036	23.410
.							
11359	2.000	-22.189	-1.294	-64.114	-1.574	63.588	-1.404
		-37.266	-0.192760	17.335	-0.461097	64.705	23.025
.							
11359	4.000	-22.189	-1.294	-64.114	-1.574	-64.635	-3.991
		-37.266	-0.192760	17.335	-0.461097	99.374	22.639
.							
.							
11360	0	39.178	-35.576	-2163.150	-341.365	1511.108	51.935
		-39.261	0.083383	-690.368	-3.373	982.682	-5.516
.							
11360	1.000	39.178	-35.576	-2163.150	-341.365	-651.955	16.360
		-39.261	0.083383	-690.368	-3.373	292.342	-5.433
.							
11360	2.000	39.178	-35.576	-2163.150	-341.365	-2815.019	-19.215
		-39.261	0.083383	-690.368	-3.373	-397.998	-5.350
.							
.							
11361	0	32.360	-3.227	906.809	-20.810	-562.021	5.102
		76.538	33.349	2109.895	339.720	-2730.039	-10.656
.							
11361	1.000	32.360	-3.227	906.809	-20.810	344.752	1.875
		76.538	33.349	2109.895	339.720	-620.229	22.692
.							
11361	2.000	32.360	-3.227	906.809	-20.810	1251.524	-1.352
		76.538	33.349	2109.895	339.720	1489.581	56.040
.							
.							
11370	0	-3040.890	37.719	-19.350	4.887	91.768	325.490
		-2669.032	0.132590	81.284	1.164	569.295	-61.576
.							
11370	0.1000	-3040.890	37.719	-19.350	4.887	89.834	329.262
		-2669.032	0.132590	81.284	1.164	577.424	-61.562
.							
11370	0.200	-3040.890	37.719	-19.350	4.887	87.899	333.034
		-2669.032	0.132590	81.284	1.164	585.552	-61.549
.							
.							
11371	0	-355.097	0.577464	15.610	0.547216	3.160	9.850
		-593.828	-16.666	103.830	-9.499	-232.716	72.423
.							
11371	2.462	-355.097	0.577464	15.610	0.547216	41.594	11.272
		-593.828	-16.666	103.830	-9.499	22.927	31.389
.							
11371	4.924	-355.097	0.577464	15.610	0.547216	80.028	12.694
		-593.828	-16.666	103.830	-9.499	278.569	-9.646
.							
.							
11372	0	-351.615	1.709	31.959	3.512	-33.572	-19.535
		-581.167	16.524	110.476	9.835	-247.367	-71.027
.							
11372	2.462	-351.615	1.709	31.959	3.512	45.114	-15.329
		-581.167	16.524	110.476	9.835	24.637	-30.343
.							
11372	4.924	-351.615	1.709	31.959	3.512	123.800	-11.122
		-581.167	16.524	110.476	9.835	296.640	10.342
.							
.							
11373	0	-727.095	-10.512	-346.887	-36.776	986.176	-59.541
		-339.590	0.846860	-167.870	-1.056	467.201	-6.072
.							
11373	3.010	-727.095	-10.512	-346.887	-36.776	-58.050	-91.186
		-339.590	0.846860	-167.870	-1.056	-38.134	-3.523
.							
11373	6.021	-727.095	-10.512	-346.887	-36.776	-1102.277	-122.831
		-339.590	0.846860	-167.870	-1.056	-543.468	-0.973434
.							
.							
11374	0	-706.900	10.643	-348.517	36.931	1008.970	55.245
		-252.559	0.013368	-151.418	1.567	380.267	-3.879
.							
11374	3.010	-706.900	10.643	-348.517	36.931	-40.165	87.285
		-252.559	0.013368	-151.418	1.567	-75.541	-3.839
.							
11374	6.021	-706.900	10.643	-348.517	36.931	-1089.300	119.324
		-252.559	0.013368	-151.418	1.567	-531.350	-3.798
.							
.							
11383	0	584.311	-4.135	-222.943	-2.763	-38.029	-2.966
		287.137	-1.765	-66.746	-1.279	-52.181	1.558
.							
11383	1.000	584.311	-4.135	-222.943	-2.763	-260.963	-7.101
		287.137	-1.765	-66.746	-1.279	-118.924	-0.207134
.							
11383	2.000	584.311	-4.135	-222.943	-2.763	-483.897	-11.236
		287.137	-1.765	-66.746	-1.279	-185.667	-1.973
.							
.							
11384	0	318.777	2.882	13.406	0.288599	-143.405	-2.189
		547.653	6.285	162.648	3.190	-395.410	-12.890

.							
11384	1.000	318.777	2.882	13.406	0.288599	-129.999	0.692797
		547.653	6.285	162.648	3.190	-232.769	-6.606
.							
11384	2.000	318.777	2.882	13.406	0.288599	-116.593	3.575
		547.653	6.285	162.648	3.190	-70.128	-0.321113
.							
.							
11403	0	-0.376021	0.810101	-430.942	24.085	-0.002586	-0.979263
		-1.876	4.534	-184.278	34.009	-0.001106	-0.860723
.							
11403	0.150	-0.376021	0.810101	-430.942	24.085	-64.641	-0.857752
		-1.876	4.534	-184.278	34.009	-27.642	-0.180691
.							
11403	0.300	-0.376021	0.810101	-430.942	24.085	-129.280	-0.736243
		-1.876	4.534	-184.278	34.009	-55.282	0.499341
.							
.							
11404	0	-6.434	-0.822148	-390.864	-47.119	-0.002345	-5.663
		1.952	-4.198	-152.915	-19.244	-0.000917	4.631
.							
11404	0.150	-6.434	-0.822148	-390.864	-47.119	-58.629	-5.786
		1.952	-4.198	-152.915	-19.244	-22.937	4.001
.							
11404	0.300	-6.434	-0.822148	-390.864	-47.119	-117.256	-5.909
		1.952	-4.198	-152.915	-19.244	-45.873	3.371
.							
.							
11408	0	-1179.442	442.213	-37.892	3.671	130.435	-1518.758
		-1254.188	495.615	35.639	-3.731	-135.866	-1705.812
.							
11408	2.250	-1179.442	442.213	-37.892	3.671	45.182	-523.819
		-1254.188	495.615	35.639	-3.731	-55.682	-590.724
.							
11408	4.500	-1179.442	442.213	-37.892	3.671	-40.070	471.120
		-1254.188	495.615	35.639	-3.731	24.502	524.364
.							
.							
11409	0	-743.357	-329.575	-21.802	4.072	-6.116	1028.377
		-941.172	-429.780	29.299	-0.015062	-46.943	1332.158
.							
11409	2.250	-743.357	-329.575	-21.802	4.072	-55.167	286.863
		-941.172	-429.780	29.299	-0.015062	18.977	365.191
.							
11409	4.500	-743.357	-329.575	-21.802	4.072	-104.219	-454.651
		-941.172	-429.780	29.299	-0.015062	84.896	-601.776
.							
.							
11410	0	-827.753	116.461	-24.234	-2.731	-45.182	-174.898
		-1164.261	139.285	22.055	2.585	-19.111	-200.467
.							
11410	2.250	-827.753	116.461	-24.234	-2.731	-99.705	87.130
		-1164.261	139.285	22.055	2.585	30.511	112.911
.							
11410	4.500	-827.753	116.461	-24.234	-2.731	-154.229	349.157
		-1164.261	139.285	22.055	2.585	80.134	426.290
.							
.							
11411	0	-741.257	-92.192	-21.198	0.537547	-66.754	111.300
		-997.357	-120.275	20.497	-2.414	-13.907	114.764
.							
11411	2.250	-741.257	-92.192	-21.198	0.537547	-114.447	-96.125
		-997.357	-120.275	20.497	-2.414	32.210	-155.844
.							
11411	4.500	-741.257	-92.192	-21.198	0.537547	-162.141	-303.549
		-997.357	-120.275	20.497	-2.414	78.327	-426.452
.							
.							
11459	0	-22.292	-0.756220	-64.009	1.612	191.640	3.721
		-37.265	0.148192	17.318	0.259805	30.064	-14.402
.							
11459	2.000	-22.292	-0.756220	-64.009	1.612	63.627	2.209
		-37.265	0.148192	17.318	0.259805	64.699	-14.105
.							
11459	4.000	-22.292	-0.756220	-64.009	1.612	-64.385	0.696151
		-37.265	0.148192	17.318	0.259805	99.333	-13.809
.							
.							
11460	0	39.182	23.781	-2163.052	273.876	1511.031	-41.500
		-39.263	-10.231	-690.261	-88.606	982.593	20.122
.							
11460	1.000	39.182	23.781	-2163.052	273.876	-651.935	-17.720
		-39.263	-10.231	-690.261	-88.606	292.360	9.892
.							
11460	2.000	39.182	23.781	-2163.052	273.876	-2814.900	6.060
		-39.263	-10.231	-690.261	-88.606	-397.874	-0.337742
.							
.							
11461	0	32.364	20.075	906.618	131.279	-561.792	-15.977
		76.552	-22.444	2109.787	-272.734	-2729.886	1.218
.							
11461	1.000	32.364	20.075	906.618	131.279	344.789	4.097
		76.552	-22.444	2109.787	-272.734	-620.183	-21.225
.							
11461	2.000	32.364	20.075	906.618	131.279	1251.370	24.171
		76.552	-22.444	2109.787	-272.734	1489.520	-43.668
.							
.							
11470	0	-2349.192	0.062754	-59.326	-0.623250	-466.726	-31.723
		-3100.574	37.742	52.814	-4.792	193.556	316.747
.							
11470	0.1000	-2349.192	0.062754	-59.326	-0.623250	-472.658	-31.717
		-3100.574	37.742	52.814	-4.792	198.838	320.521
.							
11470	0.200	-2349.192	0.062754	-59.326	-0.623250	-478.591	-31.711
		-3100.574	37.742	52.814	-4.792	204.119	324.295
.							
.							
11471	0	-355.064	-4.489	15.606	-3.036	3.168	9.038
		-593.080	7.243	103.472	10.318	-231.777	-58.051
.							
11471	2.462	-355.064	-4.489	15.606	-3.036	41.592	-2.014
		-593.080	7.243	103.472	10.318	22.984	-40.217
.							
11471	4.924	-355.064	-4.489	15.606	-3.036	80.016	-13.066
		-593.080	7.243	103.472	10.318	277.745	-22.383
.							
.							

11472	0	-369.769	3.975	31.474	-0.578795	-23.806	-7.557
		-580.497	-7.837	110.065	-11.122	-246.290	57.917
11472	2.462	-369.769	3.975	31.474	-0.578795	53.688	2.230
		-580.497	-7.837	110.065	-11.122	24.702	38.621
11472	4.924	-369.769	3.975	31.474	-0.578795	131.182	12.018
		-580.497	-7.837	110.065	-11.122	295.695	19.324
11473	0	-727.123	7.228	-346.850	31.242	986.108	54.551
		-339.594	-6.055	-167.855	-15.178	467.189	-18.049
11473	3.010	-727.123	7.228	-346.850	31.242	-58.007	76.308
		-339.594	-6.055	-167.855	-15.178	-38.100	-36.277
11473	6.021	-727.123	7.228	-346.850	31.242	-1102.121	98.065
		-339.594	-6.055	-167.855	-15.178	-543.389	-54.505
11474	0	-706.888	-7.857	-348.509	-31.460	1008.969	-49.471
		-252.522	3.102	-151.399	8.051	380.216	17.718
11474	3.010	-706.888	-7.857	-348.509	-31.460	-40.139	-73.123
		-252.522	3.102	-151.399	8.051	-75.537	27.056
11474	6.021	-706.888	-7.857	-348.509	-31.460	-1089.247	-96.776
		-252.522	3.102	-151.399	8.051	-531.291	36.393
11483	0	584.576	9.388	-222.061	8.526	-39.100	-3.014
		288.069	-2.730	-67.423	-0.659834	-51.978	-0.923014
11483	1.000	584.576	9.388	-222.061	8.526	-261.152	6.374
		288.069	-2.730	-67.423	-0.659834	-119.398	-3.653
11483	2.000	584.576	9.388	-222.061	8.526	-483.204	15.761
		288.069	-2.730	-67.423	-0.659834	-186.819	-6.384
11484	0	319.289	0.637194	14.034	1.566	-144.281	-3.748
		550.085	-3.687	161.975	-1.897	-395.373	8.382
11484	1.000	319.289	0.637194	14.034	1.566	-130.248	-3.111
		550.085	-3.687	161.975	-1.897	-233.405	4.695
11484	2.000	319.289	0.637194	14.034	1.566	-116.214	-2.474
		550.085	-3.687	161.975	-1.897	-71.436	1.008
11503	0	-4.414	0.661685	-371.750	22.550	-0.002230	4.246
		10.139	4.105	-153.328	16.506	-0.000920	-11.428
11503	0.150	-4.414	0.661685	-371.750	22.550	-55.762	4.346
		10.139	4.105	-153.328	16.506	-22.999	-10.812
11503	0.300	-4.414	0.661685	-371.750	22.550	-111.522	4.445
		10.139	4.105	-153.328	16.506	-45.997	-10.196

11504	0	-13.428	-4.517	-365.597	-49.099	-0.002194	-13.274
		2.770	-0.337532	-137.127	-14.168	-0.000823	4.180
11504	0.150	-13.428	-4.517	-365.597	-49.099	-54.839	-13.951
		2.770	-0.337532	-137.127	-14.168	-20.569	4.129
11504	0.300	-13.428	-4.517	-365.597	-49.099	-109.676	-14.629
		2.770	-0.337532	-137.127	-14.168	-41.137	4.078
11508	0	-869.156	350.395	-64.089	-14.113	79.305	-1164.438
		-1135.782	440.553	32.196	-6.212	-123.816	-1523.128
11508	2.250	-869.156	350.395	-64.089	-14.113	-64.889	-376.081
		-1135.782	440.553	32.196	-6.212	-51.378	-531.924
11508	4.500	-869.156	350.395	-64.089	-14.113	-209.084	412.276
		-1135.782	440.553	32.196	-6.212	21.059	459.281
11509	0	-645.907	-288.133	-52.981	12.402	0.297814	893.502
		-820.865	-378.240	27.051	-1.184	-34.237	1161.786
11509	2.250	-645.907	-288.133	-52.981	12.402	-118.905	245.229
		-820.865	-378.240	27.051	-1.184	26.624	310.781
11509	4.500	-645.907	-288.133	-52.981	12.402	-238.109	-403.045
		-820.865	-378.240	27.051	-1.184	87.486	-540.224
11510	0	-742.632	105.530	-60.430	-3.503	-182.820	-161.674
		-1062.841	124.868	18.545	1.218	-13.278	-187.239
11510	2.250	-742.632	105.530	-60.430	-3.503	-318.781	75.760
		-1062.841	124.868	18.545	1.218	28.447	93.703
11510	4.500	-742.632	105.530	-60.430	-3.503	-454.743	313.194
		-1062.841	124.868	18.545	1.218	70.172	374.646
11511	0	-655.059	-81.223	-55.596	-0.273748	-207.218	97.795
		-661.927	-100.563	18.664	-3.502	63.024	11.823
11511	2.250	-655.059	-81.223	-55.596	-0.273748	-332.304	-84.950
		-661.927	-100.563	18.664	-3.502	105.015	-214.435
11511	4.500	-655.059	-81.223	-55.596	-0.273748	-457.390	-267.694
		-661.927	-100.563	18.664	-3.502	147.007	-440.693
11559	0	-30.180	-0.319550	-62.007	3.529	190.869	-26.448
		-19.740	-0.164390	15.427	-0.999936	15.257	-1.450
11559	2.000	-30.180	-0.319550	-62.007	3.529	66.861	-27.087
		-19.740	-0.164390	15.427	-0.999936	46.108	-1.779
11559	4.000	-30.180	-0.319550	-62.007	3.529	-57.148	-27.727
		-19.740	-0.164390	15.427	-0.999936	76.960	-2.107

.							
.							
11560	0	29.374	-18.503	-1949.767	-127.802	1153.444	23.277
		-41.820	74.051	-571.319	642.189	868.286	-91.167
.							
11560	1.000	29.374	-18.503	-1949.767	-127.802	-796.245	4.774
		-41.820	74.051	-571.319	642.189	296.989	-17.119
.							
11560	2.000	29.374	-18.503	-1949.767	-127.802	-2745.935	-13.728
		-41.820	74.051	-571.319	642.189	-274.307	56.930
.							
.							
11561	0	28.840	-55.051	784.952	-546.867	-439.452	24.226
		71.625	15.788	1883.493	77.299	-2452.699	-23.685
.							
11561	1.000	28.840	-55.051	784.952	-546.867	345.469	-30.824
		71.625	15.788	1883.493	77.299	-569.282	-7.897
.							
11561	2.000	28.840	-55.051	784.952	-546.867	1130.389	-85.873
		71.625	15.788	1883.493	77.299	1314.135	7.890
.							
.							
11570	0	-2079.238	74.701	-158.493	-23.888	-1352.422	718.392
		-2760.618	0.112509	45.631	0.413396	168.496	-61.772
.							
11570	0.1000	-2079.238	74.701	-158.493	-23.888	-1368.271	725.862
		-2760.618	0.112509	45.631	0.413396	173.058	-61.761
.							
11570	0.200	-2079.238	74.701	-158.493	-23.888	-1384.120	733.332
		-2760.618	0.112509	45.631	0.413396	177.621	-61.750
.							
.							
11571	0	-317.802	25.460	11.556	13.903	10.447	-140.496
		-536.956	-7.511	97.168	0.366093	-220.073	17.304
.							
11571	2.462	-317.802	25.460	11.556	13.903	38.898	-77.811
		-536.956	-7.511	97.168	0.366093	19.165	-1.189
.							
11571	4.924	-317.802	25.460	11.556	13.903	67.349	-15.126
		-536.956	-7.511	97.168	0.366093	258.403	-19.681
.							
.							
11572	0	-333.212	-25.237	28.645	-19.138	-19.144	129.429
		-524.469	6.630	103.752	-1.853	-234.503	-18.296
.							
11572	2.462	-333.212	-25.237	28.645	-19.138	51.385	67.292
		-524.469	6.630	103.752	-1.853	20.945	-1.972
.							
11572	4.924	-333.212	-25.237	28.645	-19.138	121.913	5.156
		-524.469	6.630	103.752	-1.853	276.393	14.352
.							
.							
11573	0	-648.112	-4.496	-308.155	-6.361	877.884	4.368
		-296.695	17.622	-146.805	55.887	408.381	79.589
.							
11573	3.010	-648.112	-4.496	-308.155	-6.361	-49.749	-9.168
		-296.695	17.622	-146.805	55.887	-33.543	132.636
.							
11573	6.021	-648.112	-4.496	-308.155	-6.361	-977.382	-22.703
		-296.695	17.622	-146.805	55.887	-475.466	185.683
.							
.							
11574	0	-628.560	3.362	-309.910	5.901	901.341	6.845
		-210.414	-22.527	-130.491	-68.242	322.234	-83.385
.							
11574	3.010	-628.560	3.362	-309.910	5.901	-31.575	16.966
		-210.414	-22.527	-130.491	-68.242	-70.579	-151.197
.							
11574	6.021	-628.560	3.362	-309.910	5.901	-964.491	27.087
		-210.414	-22.527	-130.491	-68.242	-463.392	-219.009
.							
.							
11583	0	515.545	0.584227	-204.049	6.035	-26.951	-0.391453
		249.578	10.740	-56.603	4.163	-45.960	-0.592804
.							
11583	1.000	515.545	0.584227	-204.049	6.035	-230.992	0.192750
		249.578	10.740	-56.603	4.163	-102.561	10.147
.							
11583	2.000	515.545	0.584227	-204.049	6.035	-435.033	0.776955
		249.578	10.740	-56.603	4.163	-159.162	20.886
.							
.							
11584	0	280.898	-14.975	3.652	-2.355	-117.179	25.854
		490.826	2.568	142.871	0.986462	-350.719	-4.801
.							
11584	1.000	280.898	-14.975	3.652	-2.355	-113.527	10.879
		490.826	2.568	142.871	0.986462	-207.854	-2.233
.							
11584	2.000	280.898	-14.975	3.652	-2.355	-109.875	-4.095
		490.826	2.568	142.871	0.986462	-64.989	0.335036
.							
.							

OBRA: OC-04-00 : ACCESOS A ZARAGOZA
PASO SUPERIOR CAMINO DE SAN ANTÓN

Dimensionamiento Cimentación de la Pila

Datos Pila					
Area [m2] =	**3.06**	lambda,y =	88.53	beta =	1
Iy [m4] =	**0.156185**	Lambda,z =	18.08	h [m] =	**0.8**
Iz[m4] =	**3.745**				
I0 =	**20**				
Datos Zapata					
A,zap [m] =	5.75	A,zap [m2] =	11.50	pp,zap [kN] =	-431.25
B,zap [m] =	2	Wy [m3] =	3.83		
H,zap [m] =	1.5	Wz [m3] =	11.02		

Nº pilotes según el eje del puente= 1

Nº pilotes transversales al puente= 2

Separación = Separación = 3.75

Diámetro pilote = 1.25

Carga admisible por pilote = 487 t

Hipótesis	Nk [kN]	Vky [kN]	Vkz [kN]	Mky [kNm]	e0 [m]	ea [m]	Mk2°ord [kNm]	Mkz [kNm]	Nk,tot [kN]	Mk,y tot [kNm]	Mk,z, tot [kNm]	P_max [kN]	P_min [kN]	Coeficiente seguridad
Env My	**-2390.51**	**2.56**	**4.03**	**-142.43**	0.05	0.38	1038.42	**-1064.22**	-2821.76	1044.47	1068.06	1696	1126	2.9
	-3263.16	**76.36**	**169.1**	**1727.1**	0.529272239	0.52	3419.97	**-73.05**	-3694.41	3673.62	187.59	1897	1797	2.6
	-3050.31	**40.07**	**1.97**	**-140.23**	0.05	0.38	1325.04	**-687.25**	-3481.56	1327.99	747.36	1940	1541	2.5
	-2839.61	**3.43**	**62.73**	**880.38**	0.310035533	0.50	2295.34	**-1366.77**	-3270.86	2389.43	1371.92	2001	1270	2.4
	-2415.57	**1.53**	**-46.63**	**-606.81**	0.05	0.38	1049.31	**-638.76**	-2846.82	1119.25	641.06	1594	1252	3.1
	-3169.95	**41.05**	**33.48**	**497.6**	0.156974085	0.46	1960.58	**-988.41**	-3601.2	2010.80	1049.99	2081	1521	2.3
	-3191.8	**75.86**	**-147.85**	**-1512.7**	0.05	0.38	1386.50	**108.45**	-3623.05	1608.27	222.24	1871	1752	2.6
	-2511.41	**3.2**	**30.68**	**493.19**	0.196379723	0.47	1685.80	**-1368.72**	-2942.66	1731.82	1373.52	1838	1105	2.7
Env Mz	**-2564.24**	**3.65**	**32.18**	**268.41**	0.104674289	0.43	1383.78	**-2107.23**	-2995.49	1432.05	-2101.76	2058	937	2.4
	-2211.54	**124.18**	**136.95**	**1277.04**	0.577443772	0.52	2430.26	**1631.76**	-2642.79	2635.68	1818.03	1806	837	2.7
	-3241.32	**4.34**	**71.01**	**653.14**	0.201504325	0.48	2197.11	**-2194.34**	-3672.57	2303.62	-2187.83	2420	1253	2.0
	-2141	**124.99**	**-5.79**	**-1.24**	0.05	0.38	930.04	**1697.05**	-2572.25	938.72	1884.54	1789	784	2.7
	-3240.97	**4.33**	**-34.51**	**-430.19**	0.05	0.38	1407.86	**-2194.37**	-3672.22	1459.62	-2187.88	2420	1253	2.0
	-2140.79	**124.98**	**26.08**	**185.2**	0.08651012	0.42	1088.30	**1697.05**	-2572.04	1127.42	1884.52	1789	783	2.7
	-2565.06	**3.55**	**3.72**	**-50.87**	0.05	0.38	1114.25	**-2108.24**	-2996.31	1119.83	-2102.92	2059	937	2.4
	-2212.36	**124.19**	**-116.46**	**-1091.18**	0.05	0.38	961.04	**1631.76**	-2643.61	1135.73	1818.05	1807	837	2.7
Env N	**-3447.65**	**74.73**	**-3.88**	**-20.04**	0.05	0.38	1497.64	**698.93**	-3878.9	1503.46	811.03	2156	1723	2.3
	-1704.4	**-0.01**	**175.47**	**1618.76**	0.949753579	0.53	2528.34	**-0.1**	-2135.65	2791.55	-0.09	1068	1068	4.6
	-3896.62	**0.11**	**69.48**	**681.96**	0.175013217	0.47	2506.14	**-50.98**	-4327.87	2610.36	-50.82	2177	2150	2.2
	-1949.73	**75.19**	**-4.67**	**4.34**	0.05	0.38	846.95	**756.26**	-2380.98	853.96	869.05	1422	959	3.4
	-3896.41	**0.11**	**-47.54**	**-547.89**	0.05	0.38	1692.58	**-50.98**	-4327.66	1763.89	-50.82	2177	2150	2.2
	-1949.37	**37.56**	**39.22**	**308.8**	0.158410153	0.46	1209.56	**377.84**	-2380.62	1268.39	434.18	1306	1075	3.7
	-3448.25	**74.73**	**25.57**	**151.94**	0.05	0.38	1497.90	**698.89**	-3879.5	1536.25	810.99	2156	1723	2.3
	-1705.03	**-0.01**	**-155.19**	**-1434.83**	0.05	0.38	740.65	**-0.12**	-2136.28	973.44	-0.11	1068	1068	4.6

DIMENSIONAMIENTO ENCEPADOS PILAS

$R_{max} = 1{,}5 \cdot 487 = 730{,}5\ t$

$\alpha = \text{arc tg} \dfrac{0{,}85\ 1{,}45}{1{,}875} = 33{,}32°$ Modelo 1

$\dfrac{R_{max}}{Td} = tg\,\alpha$ $Td = 1110\ t$ $A_s = 277{,}8\ cm^2$

$\beta = \text{arc tg} \dfrac{0{,}85 \cdot 1{,}45}{0{,}875} = 54{,}6°$ Modelo 2

$\dfrac{R_{max}}{tg\beta} = Td = 519{,}1\ t \Rightarrow A_s = 129{,}8\ cm^2$ $27\phi 25$

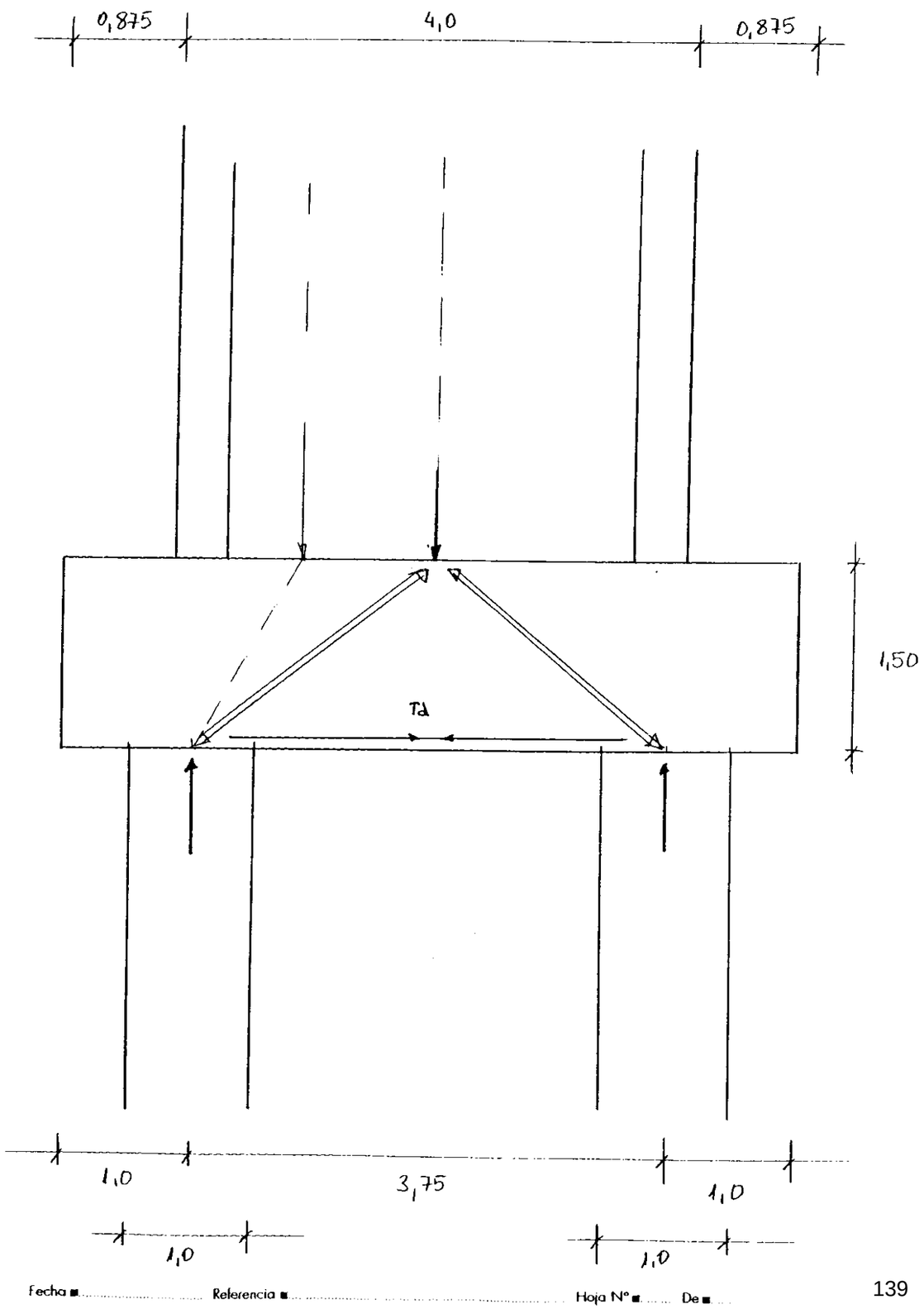
Armadura superior : no inferior a $\frac{1}{10}$ 130 = 13 cm^2 ϕ 16 a 20

Cercos verticales

$4\ 10^{-3}\ 2 \cdot 1{,}0 = 80\ cm^2 = 13{,}9\ cm^2/m \rightarrow c\phi\ 12 a\ 15$

Cercos horizontales

$4 \cdot 10^{-3}\ 1{,}5\ 0{,}75 = 11{,}25\ cm^2 = 7{,}5\ cm^2/m \rightarrow 1c\phi\ 12 a\ 20$



Longitud pilote 16 m. ϕ 1,0 m

K = 1000 kg/m³

Encepado 2 pilotes → flexión Hy para los pilotes

HIP 1 N = 226,0 t Nmax

$Hy = \frac{261,36}{2} = 130,7$ mt

V = 3,5 t

HIP 2 N = 114,0 t Nmin

$Hy = \frac{279,16}{2} = 139,6$ mt

V = 8,8 t

HIP 3 N = 197,5 t Hy max

Hy = 183,7 mt

V = 9,3 t

HIP 1 $Hy = 1,5 \cdot 173,6 = 260,4$ mt 26 ϕ 25

N = 1,5 (+226 + 31,41) = 386 t

V = 1,5 4,06 = 6,10 t

HIP 2 Hy = 1,5 262,3 = 393,5 mt

N = 1,5 (31,41 + 114) = 218,1 t 30 ϕ 32

V = 1,5 9,1 = 13,7

HIP 3 Hy = 1,5 314,2 = 471,3 mt

N = 1,5 (31,41 + 197,5) = 343,4 t

V = 1,5 9,8 =

Pilote 16 m 1,25 m ϕ

HIP 1 Nd = 412,6 t 20 ϕ 25

Md = 269,8 mt 200

Vd = 5,7 t 19,7

HIP 2 Nd = 244,6 t 24 ϕ 25

Md = 406,6 mt 220

Vd = 13,4 t 23,2

HIP 3 Nd = 369,8 t 24 ϕ 32

Md = 487,4 mt 292

Vd = 14,3 t 30,33

Cortante

Sección cuadrada equivalente: 1,0 x 1,0

A_T = 8,0 cm²/m 1 c ϕ 16 a 20

9 ESTRIBOS

A continuación se incluyen el listado de esfuerzos transmitidos por el tablero a los estribos.

```
.ID Comb.Hip. EK
.SK 4
.TP 20
ESPECIFICACION CARGASEK     'Rmin Estribos'                    Ejec.  "CEST"
=============================================================================
Hip¢tesis     Factor        Etapa      T¡tulo
  1           1.0000                   Peso propio vigas
  2           1.0000                   Peso propio losa
  3           1.0000                   carga muerta
=============================================================================
.ID REA3,STATIK2,1.58
.UN  M,KN
.EL !LCEST.001
.SK 3
.TP 12
.TK 4
REACCIONES EN APOYOS:
NUDOS            FX          FY          FZ          MX          MY          MZ
                [kN]        [kN]        [kN]        [kNm]       [kNm]       [kNm]
-----------------------------------------------------------------------------
 1101     -0.000931  -0.000385     140.699
 1201     -0.001019  -0.000358     176.657
 1301     -0.001083  -0.000348     169.530
 1401     -0.001144  -0.000355     176.657
 1501     -0.001227  -0.000382     140.699
 5111      0.000932  -0.000385     140.699
 5211      0.001020  -0.000358     176.657
 5311      0.001083  -0.000348     169.530
 5411      0.001144  -0.000355     176.657
 5511      0.001228  -0.000382     140.699
11113         2.304  -0.000142    1706.875   0.001491      -4.674   0.092459
11313         5.280   0.001970    1949.732  -0.020334       2.255   0.045158
11513        -5.280   0.001970    1949.732  -0.020334      -2.255  -0.045159
11713        -2.304  -0.000142    1706.874   0.001491       4.674  -0.092460
. ---------------------------------------
. Sumas:   4.77E-07  -2.65E-08    8921.697

.ID Comb.Hip. EL
.SK 4
.TP 20
ESPECIFICACION CARGASEL     'Rmax Estribos (1)'                Ejec.  "CEST"
=============================================================================
Hip¢tesis     Factor        Etapa      T¡tulo
  1           1.0000                   Peso propio vigas
  2           1.0000                   Peso propio losa
  3           1.0000                   carga muerta
  4           1.0000                   sc repartida mitad d vano1
  5           1.0000                   sobrecarga vano 1 i
  6           1.0000                   Veh¡culo pesado 1 vano 1
=============================================================================
.ID REA3,STATIK2,1.58
.UN  M,KN
.EL !LCEST.004
.SK 3
.TP 12
.TK 4
```

REACCIONES EN APOYOS:

NUDOS	FX [kN]	FY [kN]	FZ [kN]	MX [kNm]	MY [kNm]	MZ [kNm]
1101	0.090067	0.019622	295.144			
1201	0.090456	0.019675	595.001			
1301	0.090891	0.019692	311.326			
1401	0.091326	0.019683	236.902			
1501	0.091721	0.019647	168.746			
5111	0.090622	0.001504	140.693			
5211	0.091295	0.001533	176.651			
5311	0.091939	0.001543	169.524			
5411	0.092578	0.001537	176.651			
5511	0.093237	0.001511	140.693			
11113	-0.978190	-0.375525	2030.252	-150.854	61.895	-2.582
11313	6.060	0.131729	1949.764	-1.586	9.494	-1.143
11513	-4.485	0.088077	1949.740	-0.903950	5.112	-1.208
11713	-1.511	0.049771	1706.849	-0.510526	12.024	-1.188
. Sumas:	4.77E-07	-4.84E-08	10047.9			

CARGAS EN PILOTES

- Carga vertical transmitida por tablero

$$P_{max} = P_{2max} + P_{1max} + \frac{P_{3max}}{2} = 119\ t$$

$$P_{min} = P_{2min} + P_{1min} + \frac{P_{3min}}{2} = 40,2\ t$$

- Carga horizontal transmita por tablero

$P = 2 \times 5 = 10t$ $\quad H = 10 \cdot 1,65 = 16,5\ mt$ $\quad P = \frac{16,5}{4,6} = 3,6\ t$

- Peso estribo

$$P = (2,7 + 2,3)(6,8 + 1,0 + 6,9) + (1,27 + 2,89) = 77,7\ t$$

$P_{max} = 201\ t$

$P_{min} = 114\ t$

Por pilote

$$H = 1,0\ 10 \cdot 0,45 + 6,9 \cdot 10,0\ 0,75 + 2 \cdot 1,27 \cdot 2,66 + 2\ 2,89 \cdot 2,09 + + 7,2\ 1,65 \cdot 5 + 25,9\ 0,93 + 9,24\ 1,4 = 171,5\ mt$$

$H_{max} = 86\ mt$

$$V = 5\ 7,2 + 25,9 + 9,24 = 71,14\ t$$

$V_{max} = 36\ t$

Longitud pilotes estribas

$$211,75 - 194 + 8\ 1,25 = 27,75 \simeq 28\ m$$

$K_h = 1000\ Kg/m^3$ $\quad 1,25\ m\ \phi$

HIP 1 $\quad P_d = 1,5\ 201 = 301,5\ t$ $\quad H_d = 322,3\ mt$

$H_d = 129\ mt$ $\quad N_{max} = 430,4\ t$ $\quad 24\ \phi\ 25$

$V_d = 1,5\ 36 = 54\ t$ $\quad N_{min} = 301,5\ t$

HIP 2 $\quad P_d = 171\ t$ $\quad H_{dmax} = 322,3$

$H_d = 129\ mt$ $\quad H_{dmax} = 299,9\ t$ $\quad 24\ \phi\ 32$

$V_d = 54\ t$ $\quad N_{min} = 171$

Cortante $\quad V_{dmax} = 52\ t$ $\quad A = 8\ cm^2/m \rightarrow 1\ c\phi\ 16\ a\ 20$

CIMENTACIÓN ESTRIBOS

Carga	valor	excentricidad
Peso propio cuerpo	6,8 t/m	0,0
Peso propio murete	1,0 t/m	0,45 m
Losa transición + tierras	6,9 t/m	0,75
Peso aletas	2x 1,27	2,66
	2 x 2,89	2,09
Carga vertical tablero	Pmax = 118,8 t	0,0
	Pmin = 40,2 t	
Carga horizontal Tablero	$\frac{0,25\ 0,40\ 100 \cdot 0,046}{0,064} = 7,2$ t	1,65 m
	Según eje puente	
	Transversal: 2 t	1,65

Empuje tierras

h = 1,5 + 1,3 = 2,8 m

$E_T = \frac{1}{2}\ 2,8 \cdot 0,33 \cdot 2,0 \cdot 2,8 \cdot 10 = 25,9$ t e = 0,93 m

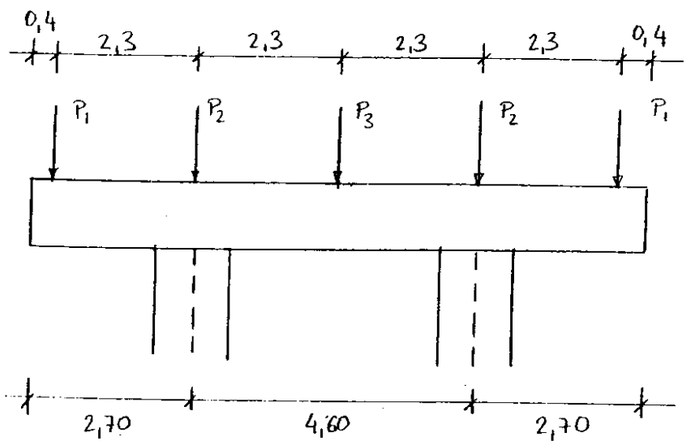
$E_{sc} = 2,8\ 1,0\ 0,33\ 10 = 9,24$ t e = 1,4 m

Fecha ■ ..... Referencia ■ ..... Hoja N° ■ ..... De ■ .....

ESTRIBOS

Estribo 1 : 1101 1201 1301 1401 1501

Estribo 2 : 5111 5211 5311 5411 5511



$P_{1\,max} = 295,1$ KN $P_{1\,min} = 140,7$ KN

$P_{2\,max} = 595,0$ $P_{2\,min} = 176,7$ KN

$P_{3\,max} = 595,0$ $P_{3\,min} = 169,5$ KN

Peso propio cargadero

Cuerpo : $2,5\ 1,5\ 1,80 = 6,8$ t/m

Hurete : $2,5\ 0,3\ 1,3 = 1$ t/m

Losa transición $2,5 \cdot 0,3\ 2,5 = 1,9$ t/m

Aletas : $2 \times 5,12\ 0,3\ 2,5 = 2 \times 3,85$ t

Tierras sobre losa : $2,0 \cdot 1,0 \cdot 2,5 = 5$ t/m

$q_{TOT} = 14,7$ t/m

Dimensionamiento cargadero

$$Md^{+}_{max} = 1,5\ 14,7\ \frac{4,6^2}{8} + 1,5\ 59,5 \cdot \frac{4,6}{4} = 161,0 \text{ mt}$$

$$Md^{-}_{max} = 1,5\ 14,7\ \frac{2,7^2}{2} + 1,5\ 3,85\ 2,55 + 1,5\ 29,5\ 2,3 = 196,9 \text{ mt}$$

Sección $b = 1,80$ $h = 1,50$

Cuantía mínima $2,8 \cdot 10^{-3} \cdot 1,80\ 1,50 = 75,6$ cm² $16\phi 25$

Flexión + → cuantía mínima

Flexión − → " "

$$Vd = 1,5 \left[14,7 \cdot 2,7 + 3,85 + 29,5 \right] = 109,6 \text{ t}$$ $A_T = 14 \text{ cm}^2/\text{m}$

$$Td = 1,5 \left[\frac{2,3\ 3,1}{2}\ 0,3\ 2,5 \left(\frac{3,1}{3} + 0,9\right) + 0,5\ 2,5\ 3,4\ 0,3 \left(\frac{3,4}{2} + 0,9\right) + 6,9\ 0,75\ 2,7 + \right.$$

$$\left. + 1\ 0,45\ 2,7 + 10\ (3,1 + 0,9) \right] = (4,72 + 3,15 + 13,9 + 1,2 + 40)\ 1,5 =$$

$$= 91,725 \text{ tm}$$

$$he = \frac{A}{u} = \frac{1,8\ 1,5}{2\ (1,8 + 1,5)} = 0,409 \text{ m}$$ $Ae = 1,517 \text{ m}^2$

$\cot g\theta = 1$

$$91,725 = 2\ 1,517\ \frac{A_t}{S}\ 40\ 10^3\ 1$$ $A_T = 7,56$ cm²/m $1\ c\phi\ 16\ a\ 20$

L.AV. MADRID – ZARAGOZA
MIRAFLORES – SUBTRAMO II
PASO SUPERIOR DE SAN ANTÓN

PRUEBA DE CARGA

MAYO 2000

Doc. Nº: OC-4-00-PSSA-PDC.doc
Preparado: CLS
APROBADO: APC

1 PRUEBA DE CARGA 3
1.1 Características y disposición de los camiones 3
1.2 Medidas y ensayos a realizar 4
1.3 Resultados 4

1 PRUEBA DE CARGA

1.1 Características y disposición de los camiones

El cálculo de las flechas obtenidas en la prueba de carga se realiza con el mismo esquema estructural utilizado para el cálculo en servicio y en estado límite último del tablero.

La posición de los camiones se define indicando la distancia de su paramento trasero al eje del apoyo del estribo 1 e indicando su excentricidad respecto al eje de la calzada.

El camión propuesto tiene 38.00 toneladas de peso total y 4 ejes, con los siguientes pesos por eje:

- eje trasero: 90.00 KN
- eje intermedio: 90.00 KN
- eje intermedio: 140.00 KN
- eje delantero: 60.00 KN

En planta el camión tiene unas dimensiones de 10.42 metros de largo por 2.50 metros de ancho. Las separaciones entre ejes y las distancias de los ejes extremos a los bordes del camión son las siguientes:

- distancia del eje trasero al borde del camión: 1.36 m
- distancia del eje trasero al intermedio: 1.37 m
- distancia al eje anterior: 3.07 m
- distancia del eje delantero al anterior: 3.40 m
- distancia del eje delantero al borde del camión: 1.22 m

Se han estudiado tres posiciones para la situación de los camiones. Cada hipótesis de carga produce, el máximo momento flector en los vanos 1 y 5, 2 y 4, y 3.

La hipótesis 1 propuesta supone situar 2 camiones en paralelo orientados según la dirección del Paso Superior y separados 4.60 metros entre sí y centrados respecto de la luz . La posición de las cargas y la definición del camión utilizado, se describen con más detalle en el listado que se adjunta.

FHECOR ■Ingenieros Consultores
Programa LSTCR - Posprocesador para la Prueba de Carga
(versión 3.0)

LAV MADRID - ZARAGOZA. Miraflores - Subtramo II. Paso Superior de San Antón.

DATOS DEL CAMION DE LA PRUEBA DE CARGA

N° de ejes del camión	: 4
Dist. transv entre ruedas [m]	: 1.90
Ancho total del camión [m]	: 2.50
Longitud Total del camion [m]	: 10.42
Dist eje trasero al borde del camión [m]	: 1.36
Dist eje delentero al borde del camión [m]	: 1.22

Hip.	Camión	Dist. al origen [t]	Exc. [m]
1	1	2.54	-2.30
	2	2.54	2.30
2	1	10.08	-2.30
	2	10.08	2.30
	3	20.50	-2.30
	4	20.50	2.30
3	1	26.14	-2.30
	2	26.14	2.30
	3	36.60	-2.30
	4	36.60	2.30

1.2 Medidas y ensayos a realizar

Se medirá la flecha en el centro del vano en las cinco vigas sobre las que se sitúa la carga en cada fase de la prueba de carga, así como el descenso que hubiere en los apoyos como consecuencia de los posibles descensos del terreno. La flecha de comparación se obtendrá restando a la flecha en centro de vano la media de los descensos medidos en los apoyos contiguos.

El módulo de elasticidad teórico utilizado para el cálculo de las flechas ha sido: E_c = 27200[MPa]

1.3 Resultados

A continuación se detalla en forma gráfica las flechas, así como el nivel de esfuerzos alcanzado durante la prueba de carga.

Hipótesis 1
En lo relativo a las deformaciones verticales, se obtiene una flecha máxima de 4.66 mm.

Respecto de los esfuerzos, resulta necesario compara el nivel de esfuerzos alcanzado durante la prueba de carga con el alcanzado con la sobrecarga de diseño. Los momentos máximos y los cortantes debidos a la sobrecarga se comparan con los obtenidos en la prueba de carga propuesta en la tabla siguientes:

Carga	M+ [kNm]	V[kN]
Sc repartida	196.8	56.0 (máx)
Carro	708.3	209.4
Total sc	905.1	265.4
Prueba de Carga (PDC)	438.9	105.0
PDC/Total sc [%]	49%	40%

Hipótesis 2
En lo relativo a las deformaciones verticales, se obtiene una flecha máxima de 9.12 mm.

Respecto de los esfuerzos, resulta necesario compara el nivel de esfuerzos alcanzado durante la prueba de carga con el alcanzado con la sobrecarga de diseño. Los momentos máximos negativos y positivos y los cortantes debidos a la sobrecarga se comparan con los obtenidos en la prueba de carga propuesta en la tabla siguientes:

Carga	M+ [kNm]	V[kN]
Sc repartida	235.8	61.7 (máx)
Carro	736.6	195.2
Total sc	972.4	256.9
Prueba de Carga (PDC)	695.2	162.9
PDC/Total sc [%]	71%	63%

Hipótesis 3
En lo relativo a las deformaciones verticales, se obtiene una flecha máxima de 15.2 mm.

Respecto de los esfuerzos, resulta necesario compara el nivel de esfuerzos alcanzado durante la prueba de carga con el alcanzado con la sobrecarga de diseño. Los momentos máximos negativos y positivos y los cortantes debidos a la sobrecarga se comparan con los obtenidos en la prueba de carga propuesta en la tabla siguientes:

Carga	M+ [kNm]	V[kN]
Sc repartida	313.1	70.2máx)
Carro	799.9	185.8
Total sc	1113.0	256.0
Prueba de Carga (PDC)	836.8	195.9
PDC/Total sc [%]	75%	75%

Como puede verse, se obtiene un nivel de esfuerzos para cortantes y Flexión negativa que se sitúa entre el 40 y el 75% de los esfuerzos debidos a la sobrecarga de diseño.

RECÁLCULO DE ENCEPADOS DEL PASO SUPERIOR SOBRE EL CAMINO DE SAN ANTÓN

INDICE

1. INTRODUCCIÓN
2. OBJETO Y ANTECENDENTES
3. NORMAS UTILIZADAS
4. HIPÓTESIS DE CÁLCULO

4.1. CÁLCULOS ESTRUCTURALES.

5. CARACTERÍSTICAS DE LOS MATERIALES Y COEFICIENTES DE SEGURIDAD

5.1. HORMIGONES

5.2. ACEROS

6. ANEJO 1 REACCIONES EN BASE DE FUSTE

MEMORIA DE CÁLCULO RECÁLCULO DE ENCEPADOS DEL PASO SUPERIOR SOBRE EL CAMINO DE SAN ANTÓN

1. INTRODUCCIÓN

El objeto de este proyecto es recalcular la cimentación de las pilas de la estructura del paso superior del Camino de San Antón a Miraflores, Subtramo II, sobre la Línea de Alta Velocidad Madrid – Zaragoza.

2. OBJETO Y ANTECEDENTES

La cimentación a recalcular está compuesta por un encepado y un pilote por fuste, el recálculo de la cimentación es debido a la modificación del intereje transversal de los fustes de las pilas y de los pilotes de 6.0 m a 3.75 m. El objeto de este trabajo es verificar que las dimensiones del encepado y las armaduras existentes cumplen con los requisitos funcionales y con la normativa vigente.

El cálculo del tablero y de las pilas, así como los detalles de anclaje de las pilas en el encepado, no son objeto del presente anejo. Los esfuerzos utilizados para el recáclulo son los esfuerzos en la base de fustes de la memoria de cálculo de las pilas

Con respecto a los datos geotécnicos, se ha adoptado un coeficiente de balasto horizontal del terreno de 1250 t/m2, según el recálculo anterior del encepado realizado por la empresa consultora IDEAM.

3. NORMAS UTILIZADAS

- Instrucción relativa a las acciones a considerar en el proyecto de puentes de carretera IAP 95.
- Instrucción para el proyecto de estructuras de hormigón armado EHE.

4. HIPÓTESIS DE CÁLCULO

En el cálculo de los elementos estructurales se han considerado las siguientes acciones en base de pila.

Estas acciones incluyen los efectos de 2° orden y están afectadas por los correspondientes coeficientes de mayoración. En el anejo 1, se incluyen los listados del anejo de cálculo.

4.1 CÁLCULOS ESTRUCTURALES

En los cálculos y dimensionamiento del encepado se han utilizado programas automáticos de cálculo, desarrollados al efecto por el equipo de ingenieros, que han sido contrastados con otros programas comerciales; junto con el programa de cálculo estructural ROBOT MILLENIUM de la casa ROBO VAT para el dimensionamiento de algunos elementos estructurales.

5. CARACTERISTICAS DE LOS MATERIALES Y COEFICIENTES DE SEGURIDAD

5.1 HORMIGONES

- Hormigón de Limpieza..... HM - 10
- Encepado y pilotes ..... HA - 25

Control del hormigón NORMAL γ_c= 1,5

5.2 ACEROS

- Acero corrugado para la armadura pasiva B500S, con $f_{sk} > 5100$ Kp/cm^2.

Control de los aceros NORMAL γ_s= 1,15

CÁLCULO DE ENCEPADOS Y PILOTES

MATERIALES

HORMIGÓN:

HA - 25 / B / 20 / IIa

ACERO

B500S

ACCIONES EN CORONACIÓN DE FUSTES

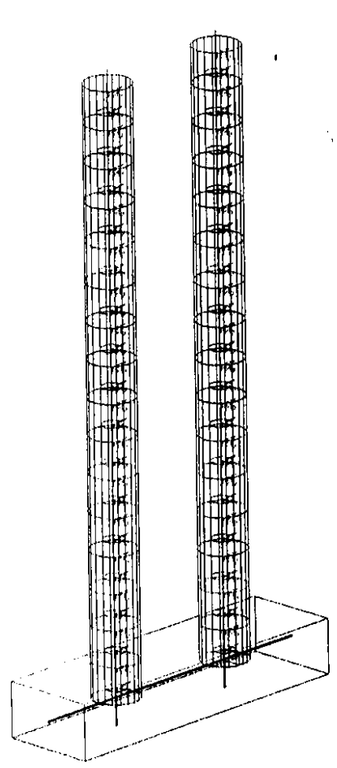
Las acciones utilizadas en el cálculo fueron facilitadas por PRAINSA por medio de la UTE MIRAFLORES

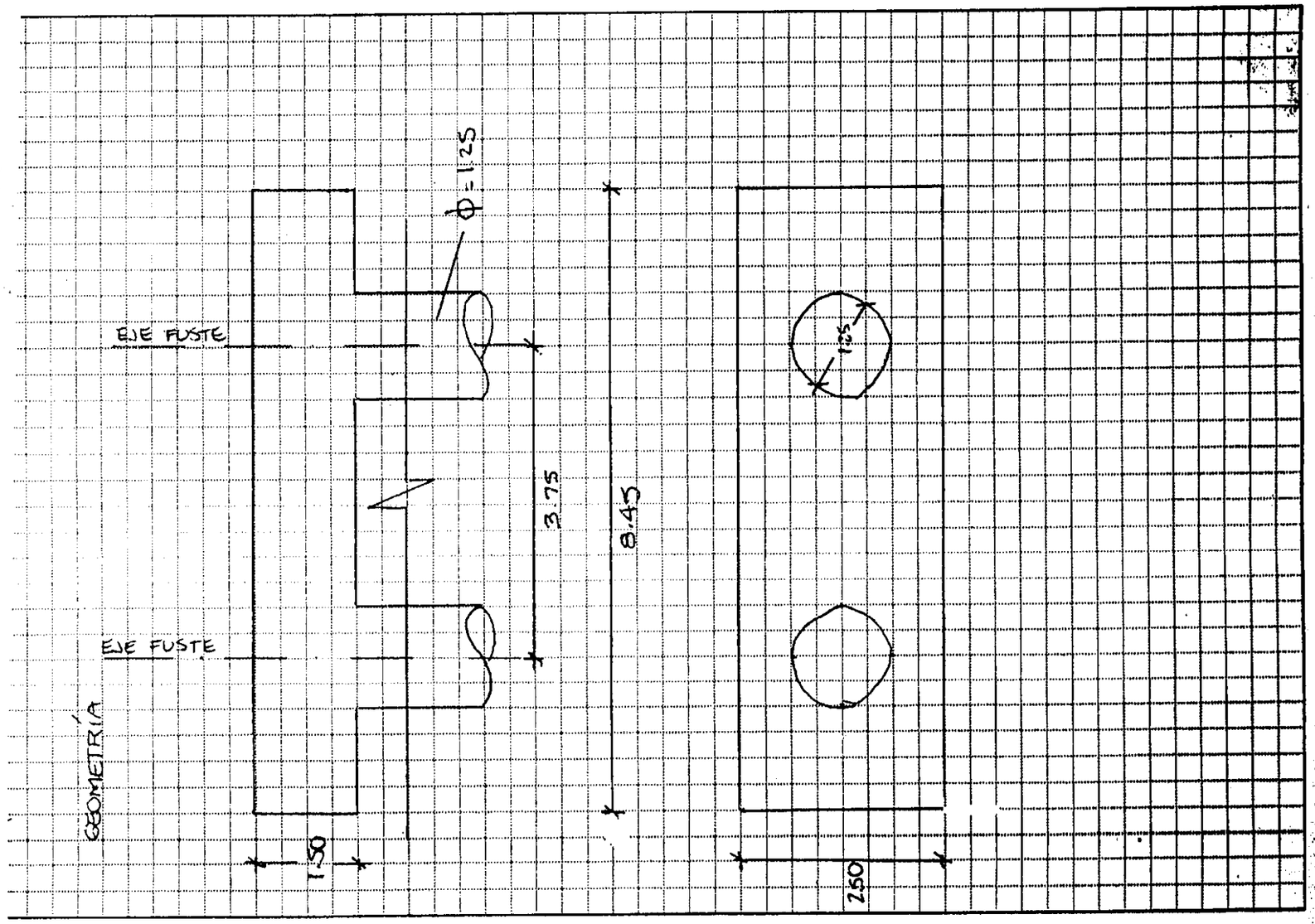
CÁLCULO DE ESFUERZOS:

El cálculo de esfuerzos se ha realizado por medio del programa de cálculo electrónico ROBOT MILLENIUM de la casa ROBOBAT.

No es objeto de este trabajo el re-cálculo de las acciones ni el dimensionamiento de los fustes. La geometría del encepado y pilotes son los dados por la UTE para su verificación.

MODELO DE CALCULO

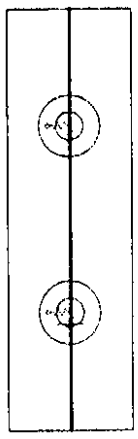




ROBOT v 13.5.0
Autor :
Dirección :

© RoboBAT 1985-2000
Archivo : **ENCEPADO.rtd**
Proyecto : ENCEPADO

PLANTA

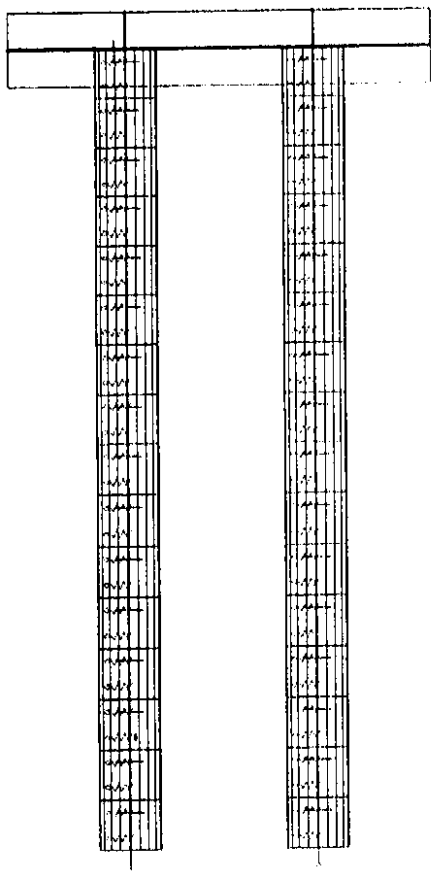




ROBOT v 13.5.0
Autor :
Dirección :

© RoboBAT 1985-2000
Archivo : ENCEPADO.rtd
Proyecto : ENCEPADO

ALZADO 1

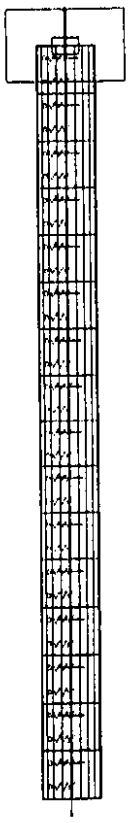




ROBOT v.13.5.0
Autor :
Dirección :

© RoboBAT 1985-2000
Archivo : ENCEPADO.rtd
Proyecto : ENCEPADO

ALZADO 2

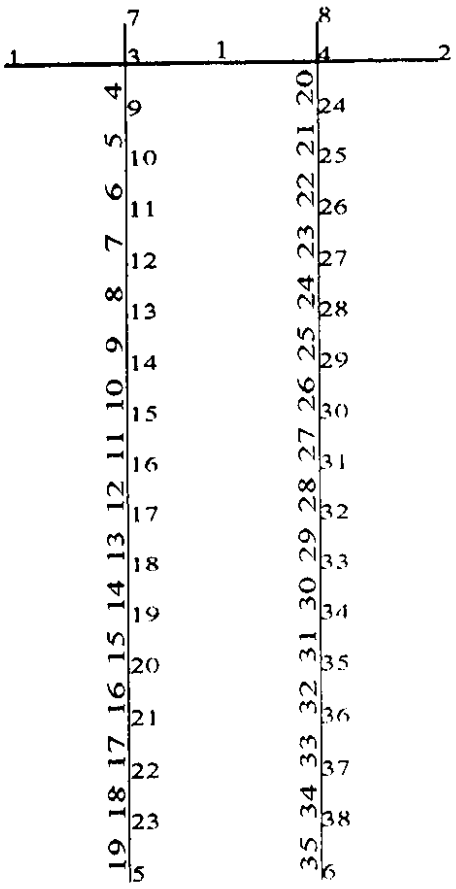




ROBOT v 13.5.0
Autor : I
Dirección :

© RoboBAT 1985-2000
Archivo : ENCEPADO.rtd
Proyecto : ENCEPADO

DISCRETIZACIÓN DE ELEMENTOS





Barras:

Filtrar	Barra	Elemento
Lista completa	1 4A35	2 4A36 38
Selección	1 4A35	2 4A36 38
Número total	33	35
Número seleccionado	33	35

Barra	Nudos	Nudo 2	Sección	Material	Longitud (m)	Gama (Deg)	Tipo
1	1	2	B R2.5x1.5	*HORMIGON*	8,45	0,0	Viga de hormigón armado
4	3	9	S C_1.25	*HORMIGON*	1,00	0,0	Columna de hormigón armado
5	9	10	S C_1.25	*HORMIGON*	1,00	0,0	Columna de hormigón armado
6	10	11	S C_1.25	*HORMIGON*	1,00	0,0	Columna de hormigón armado
7	11	12	S C_1.25	*HORMIGON*	1,00	0,0	Columna de hormigón armado
8	12	13	S C_1.25	*HORMIGON*	1,00	0,0	Columna de hormigón armado
9	13	14	S C_1.25	*HORMIGON*	1,00	0,0	Columna de hormigón armado
10	14	15	S C_1.25	*HORMIGON*	1,00	0,0	Columna de hormigón armado
11	15	16	S C_1.25	*HORMIGON*	1,00	0,0	Columna de hormigón armado
12	16	17	S C_1.25	*HORMIGON*	1,00	0,0	Columna de hormigón armado
13	17	18	S C_1.25	*HORMIGON*	1,00	0,0	Columna de hormigón armado
14	18	19	S C_1.25	*HORMIGON*	1,00	0,0	Columna de hormigón armado
15	19	20	S C_1.25	*HORMIGON*	1,00	0,0	Columna de hormigón armado
16	20	21	S C_1.25	*HORMIGON*	1,00	0,0	Columna de hormigón armado
17	21	22	S C_1.25	*HORMIGON*	1,00	0,0	Columna de hormigón armado
18	22	23	S C_1.25	*HORMIGON*	1,00	0,0	Columna de hormigón armado
19	23	5	S C_1.25	*HORMIGON*	1,00	0,0	Columna de hormigón armado
20	4	24	S C_1.25	*HORMIGON*	1,00	0,0	Columna de hormigón armado
21	24	25	S C_1.25	*HORMIGON*	1,00	0,0	Columna de hormigón armado
22	25	26	S C_1.25	*HORMIGON*	1,00	0,0	Columna de hormigón armado
23	26	27	S C_1.25	*HORMIGON*	1,00	0,0	Columna de hormigón armado
24	27	28	S C_1.25	*HORMIGON*	1,00	0,0	Columna de hormigón armado
25	28	29	S C_1.25	*HORMIGON*	1,00	0,0	Columna de hormigón armado
26	29	30	S C_1.25	*HORMIGON*	1,00	0,0	Columna de hormigón armado
27	30	31	S C_1.25	*HORMIGON*	1,00	0,0	Columna de hormigón armado
28	31	32	S C_1.25	*HORMIGON*	1,00	0,0	Columna de hormigón armado
29	32	33	S C_1.25	*HORMIGON*	1,00	0,0	Columna de hormigón armado
30	33	34	S C_1.25	*HORMIGON*	1,00	0,0	Columna de hormigón armado
31	34	35	S C_1.25	*HORMIGON*	1,00	0,0	Columna de hormigón armado
32	35	36	S C_1.25	*HORMIGON*	1,00	0,0	Columna de hormigón armado
33	36	37	S C_1.25	*HORMIGON*	1,00	0,0	Columna de hormigón armado
34	37	38	S C_1.25	*HORMIGON*	1,00	0,0	Columna de hormigón armado
35	38	6	S C_1.25	*HORMIGON*	1,00	0,0	Columna de hormigón armado

© RoboBAT 1985-2000

Características Barras:

	Nombre de la sección	Lista de barras	SX (m^2)	SY (m^2)	SZ (m^2)	IX (m^4)	IY (m^4)	IZ (m^4)
	B R2.5x1.5	1	3,750	3,125	3,125	1,760	0,703	1,953
	S C_1.25	4A35	1,227	1,035	1,035	0,240	0,120	0,120

Apoyos:

	Nombre del apoyo	Lista de los nudos	Condiciones de apoyo
	Apoyo_2	5 6	UZ

Uniones rígidas:

	Nombre de la unión	Nudo principal	Lista de los nudos secundarios	Condiciones de la unión
	Unión_1	7	3	UX UY UZ RX RY RZ
	Unión_1	8	4	UX UY UZ RX RY RZ

ACCIONES EN BASE DE FUSTES :

Caso	Nombre del caso	Naturaleza	tipo de análisis
1	CASO1	permanente	Estático lineal
2	CASO 2	permanente	Estático lineal
3	CASO 3	permanente	Estático lineal
4	CASO 4	permanente	Estático lineal
5	CASO 5	permanente	Estático lineal
6	CASO 6	permanente	Estático lineal
7	CASO 7	permanente	Estático lineal
8	CASO 8	permanente	Estático lineal
9	CASO 9	permanente	Estático lineal
10	CASO 10	permanente	Estático lineal
11	CASO 11	permanente	Estático lineal
12	CASO 12	permanente	Estático lineal
13	CASO 13	permanente	Estático lineal
14	CASO 14	permanente	Estático lineal
15	CASO 15	permanente	Estático lineal
16	CASO 16	permanente	Estático lineal

ROBOT v 13.5.0
Autor :
Dirección :

© RoboBAT 1985-2000
Archivo : ENCEPADO.rtd
Proyecto : ENCEPADO

	Caso	Tipo de carga	Lista	Valores de carga
	1	fuerza nodal	7	FX=-8,50(T) FY=0,70(T) FZ=-193,00(T) CX=4,80(Tm) CY=-93,00(Tm)
	1	fuerza nodal	8	FX=-8,50(T) FY=0,70(T) FZ=-314,00(T) CX=0,50(Tm) CY=-143,00(Tm)
	2	fuerza nodal	7	FX=-8,50(T) FY=0,70(T) FZ=-257,00(T) CX=-12,40(Tm) CY=-116,00(Tm)
	2	fuerza nodal	8	FX=-8,50(T) FY=0,70(T) FZ=-257,00(T) CX=13,00(Tm) CY=-116,00(Tm)
	3	fuerza nodal	7	FX=-8,50(T) FY=1,20(T) FZ=-209,00(T) CX=5,30(Tm) CY=-105,00(Tm)
	3	fuerza nodal	8	FX=-8,50(T) FY=-1,20(T) FZ=-291,00(T) CX=-2,00(Tm) CY=-158,00(Tm)
	4	fuerza nodal	7	FX=-1,74(T) FY=-16,70(T) FZ=-204,00(T) CX=-70,00(Tm) CY=-20,00(Tm)
	4	fuerza nodal	8	FX=-1,74(T) FY=-18,80(T) FZ=-162,00(T) CX=-88,00(Tm) CY=-22,00(Tm)
	5	fuerza nodal	7	FX=-3,50(T) FY=1,03(T) FZ=-183,00(T) CX=15,00(Tm) CY=-38,00(Tm)
	5	fuerza nodal	8	FX=-3,60(T) FY=-1,03(T) FZ=-183,00(T) CX=9,00(Tm) CY=-39,00(Tm)
	6	fuerza nodal	7	FX=-1,74(T) FY=18,80(T) FZ=-159,00(T) CX=88,00(Tm) CY=-22,00(Tm)
	6	fuerza nodal	8	FX=-1,74(T) FY=16,80(T) FZ=-203,00(T) CX=83,00(Tm) CY=-22,00(Tm)
	7	fuerza nodal	7	FX=0,09(T) FY=1,03(T) FZ=-183,00(T) CX=-10,00(Tm) CY=0,80(Tm)
	7	fuerza nodal	8	FX=0,09(T) FY=-1,03(T) FZ=-183,00(T) CX=-28,00(Tm) CY=0,80(Tm)
	8	fuerza nodal	8	FX=-9,00(T) FY=-0,70(T) FZ=-314,00(T) CX=0,50(Tm) CY=-156,00(Tm)
	8	fuerza nodal	7	FX=-9,10(T) FY=0,70(T) FZ=-193,00(T) CX=5,00(Tm) CY=-104,00(Tm)
	9	fuerza nodal	7	FX=-8,50(T) FY=-9,50(T) FZ=-264,00(T) CX=-48,00(Tm) CY=-117,00(Tm)
	9	fuerza nodal	8	FX=-8,50(T) FY=-1,20(T) FZ=-251,00(T) CX=-22,00(Tm) CY=-116,00(Tm)
	10	fuerza nodal	7	FX=-9,03(T) FY=-4,10(T) FZ=-239,10(T) CX=22,50(Tm) CY=-27,03(Tm)
	10	fuerza nodal	8	FX=-9,03(T) FY=4,10(T) FZ=-257,00(T) CX=-12,00(Tm) CY=-118,00(Tm)
	11	fuerza nodal	7	FX=-9,03(T) FY=1,20(T) FZ=-209,00(T) CX=-5,00(Tm) CY=-115,00(Tm)
	11	fuerza nodal	8	FX=-8,50(T) FY=-1,20(T) FZ=-291,00(T) CX=-2,00(Tm) CY=-159,00(Tm)
	12	fuerza nodal	7	FX=-8,50(T) FY=6,00(T) FZ=-186,00(T) CX=38,00(Tm) CY=-93,00(Tm)
	12	fuerza nodal	8	FX=-8,50(T) FY=4,70(T) FZ=-320,00(T) CX=38,00(Tm) CY=-145,00(Tm)
	13	fuerza nodal	7	FX=-8,50(T) FY=1,20(T) FZ=-250,00(T) CX=22,00(Tm) CY=-116,00(Tm)
	13	fuerza nodal	8	FX=-8,50(T) FY=-9,50(T) FZ=-245,00(T) CX=-40,00(Tm) CY=-26,00(Tm)
	14	fuerza nodal	7	FX=-7,90(T) FY=-4,10(T) FZ=-263,00(T) CX=48,00(Tm) CY=-117,00(Tm)
	14	fuerza nodal	8	FX=-7,90(T) FY=4,10(T) FZ=-257,00(T) CX=12,00(Tm) CY=-113,00(Tm)
	15	fuerza nodal	7	FX=-8,50(T) FY=6,51(T) FZ=-202,00(T) CX=39,00(Tm) CY=-105,00(Tm)
	15	fuerza	8	FX=-8,50(T) FY=4,10(T) FZ=-297,00(T) CX=-10,00(Tm) CY=-

		nodal		49,00(Tm)
	16	peso propio	1 4A 35	PZ Menos

Esfuerzos - Casos: 1A16 : Envolvente

Filtrar	Barra	Caso
Lista completa	1 4A35	1A16
Selección	1 4A35	1A16
Número total	33	16
Número seleccionado	33	16

Barra/Punto/Caso	FX (T)	FY (T)	FZ (T)	MX (Tm)	MY (Tm)	MZ (Tm)
1/ 8/11/ 13	4,95>>	0,00	3,30	-42,96	-18,91	0,00
1/ 8/11/ 14	4,40<<	0,00	14,51	-1,91	5,37	0,00
1/ 3/11/ 8	0,0	0,00>>	0,00	0,0	0,00	-0,00
1/ 2/ 1	0,0	-0,00<<	-0,00	0,0	-0,00	0,00
1/ 9/11/ 16	0,00	0,0	15,85>>	0,0	-13,40	0,0
1/ 3/11/ 16	0,0	0,0	15,85<<	0,0	-13,40	0,0
1/ 8/11/ 10	-4,39	0,00	3,16	43,42>>	-13,13	-0,00
1/ 8/11/ 13	4,95	0,00	3,30	42,96<<	-18,91	0,00
1/ 8/11/ 12	0,66	0,00	12,85	24,82	22,16>>	-0,00
1/ 4/11/ 14	-4,40	0,00	14,51	-1,91	43,67<<	0,00
1/ 1/ 8	0,0	0,00	0,00	0,0	-0,00	0,00>>
1/ 2/ 15	0,0	0,00	-0,00	0,0	-0,00	-0,00<<
4/ 9/ 14	277,51>>	0,42	-0,09	0,00	-124,82	4,35
4/ 3/ 16	39,63<<	0,22	0,0	0,0	0,0	1,37
4/ 3/ 6	168,56	17,83>>	-1,74	0,00	-23,30	54,38
4/ 3/ 4	197,59	17,63<<	-1,74	-0,00	-22,26	-52,92
4/ 9/ 3	212,49	-0,18	0,19>>	-0,00	-140,61	-4,55
4/ 3/ 8	198,30	0,03	9,10<<	-0,00	-135,46	-7,02
4/ 9/ 13	253,30	-3,03	-2,36	0,00>>	-84,71	-6,20
4/ 9/ 10	242,26	0,26	-2,83	0,00<<	-83,01	0,91
4/ 9/ 7	173,69	0,05	0,02	-0,00	0,97>>	-0,86
4/ 9/ 11	209,96	-0,27	0,05	-0,00	146,06<<	-5,36
4/ 3/ 6	168,56	17,83	-1,74	0,00	-23,30	54,38
4/ 3/ 4	197,59	-17,63	-1,74	-0,00	-22,26	-52,92
5/ 10/ 14	2,51	0,49	5,60	0,00	-121,90	3,89
5/ 9/ 16	0,0	0,21	0,0	0,0	0,0	1,15
5/ 9/ 6	168,56	0,31	-0,17	0,0	-24,22	38,07
5/ 9/ 4	197,59	1,51	-0,22	-0,00	-23,20	-36,81
5/ 10/ 11	209,96	-0,43	0,00	-0,00	-142,51	-5,00
5/ 9/ 10	242,26	0,26	0,00	-0,00	-83,01	0,91
5/ 10/ 13	253,30	-2,37	2,21	0,00	-84,66	-3,50
5/ 10/ 10	242,26	0,22	1,82	0,00	-83,40	0,67
5/ 5/11/ 7	173,69	0,03	0,00	-0,00	0,00	-0,88
5/ 9/ 11	209,96	-0,27	0,05	-0,00	0,00	-5,36
5/ 9/ 6	168,56	14,81	-0,17	0,0	-24,22	0,00
5/ 9/ 4	197,59	-14,61	-0,22	-0,00	-23,20	0,00
6/ 11/ 14	0,00	0,51	9,50	0,00	-114,22	3,39
6/ 10/ 16	0,00	0,20	0,0	0,0	0,0	0,95
6/ 10/ 6	168,56	0,00	0,98	0,00	-23,78	24,71
6/ 10/ 4	197,59	0,00	0,90	-0,00	-22,83	-23,65

ROBOT v 13.5.0
Autor :
Dirección :
© RoboBAT 1985-2000
Archivo : ENCEPADO.rtd
Proyecto : ENCEPADO

Barra/Punto/Caso	FX (T)	FY (T)	FZ (T)	MX (Tm)	MY (Tm)	MZ (Tm)
6/ 11/ 11	209,96	-0,53	11,18>>	-0,00	-133,43	-4,52
6/ 11/ 7	173,69	-0,04	0,06<<	-0,00	0,88	-0,86
6/ 11/ 13	253,30	-1,78	5,46	0,00>>	-80,73	-1,43
6/ 11/ 10	242,26	0,18	5,13	0,00<<	-79,83	0,48
6/ 10/ 7	173,69	-0,01	-0,03	-0,00	0,92>>	-0,88
6/ 10/ 11	209,96	-0,43	6,66	-0,00	142,51<<	-5,00
6/ 10/ 6	168,56	11,93	0,98	0,00	-23,78	24,71>>
6/ 10/ 4	197,59	-11,74	0,90	-0,00	-22,83	23,65<<
7/ 12/ 14	277,51>>	0,51	11,93	0,00	-103,39	2,88
7/ 11/ 16	48,84<<	0,18	0,0	0,0	0,0	0,76
7/ 11/ 6	168,56	9,29>>	1,78	0,00	-22,38	14,13
7/ 11/ 4	197,59	9,10<<	1,68	-0,00	-21,51	-13,25
7/ 12/ 11	209,96	-0,57	13,99>>	-0,00	-120,72	-3,97
7/ 12/ 7	173,69	-0,07	0,08<<	0,0	0,80	-0,80
7/ 12/ 13	253,30	-1,26	7,59	0,00>>	-74,12	0,09
7/ 12/ 10	242,26	0,14	7,32	0,00<<	-73,52	0,31
7/ 11/ 7	173,69	-0,04	-0,06	0,0	0,88>>	-0,86
7/ 11/ 11	209,96	-0,53	11,18	-0,00	133,43<<	-4,52
7/ 11/ 6	168,56	9,29	1,78	0,00	-22,38	14,13>>
7/ 11/ 4	197,59	-9,10	1,68	-0,00	-21,51	13,25<<
8/ 13/ 14	277,51>>	0,48	13,18	0,00	-90,75	2,38
8/ 12/ 16	51,91<<	0,16	0,0	0,0	0,0	0,59
8/ 12/ 6	168,56	6,92>>	2,28	0,00	-20,32	6,05
8/ 12/ 4	197,59	6,75<<	2,17	-0,00	-19,56	5,35
8/ 13/ 11	209,96	-0,58	15,43>>	-0,00	-105,91	-3,39
8/ 13/ 7	173,69	-0,09	0,10<<	-0,00	0,71	-0,72
8/ 13/ 13	253,30	-0,82	8,81	0,00>>	-65,85	1,13
8/ 13/ 10	242,26	0,11	8,61	0,00<<	-65,49	0,19
8/ 12/ 7	173,69	-0,07	-0,08	-0,00	0,80>>	-0,80
8/ 12/ 11	209,96	-0,57	13,99	-0,00	120,72<<	-3,97
8/ 12/ 6	168,56	6,92	2,28	0,00	-20,32	6,05>>
8/ 12/ 4	197,59	-6,75	2,17	-0,00	-19,56	5,35<<
9/ 14/ 14	277,51>>	0,44	13,51	0,00	-77,34	1,91
9/ 13/ 16	54,98<<	0,13	0,0	0,0	0,0	0,44
9/ 13/ 6	168,56	4,35>>	2,55	0,00	-17,89	0,19
9/ 13/ 4	197,59	4,71<<	2,44	-0,00	-17,24	0,35
9/ 10/11/ 11	209,96	-0,56	15,80>>	-0,00	-91,79	-2,87
9/ 14/ 7	173,69	-0,10	0,10<<	-0,00	0,61	-0,62
9/ 14/ 13	253,30	-0,46	9,33	0,00>>	-56,73	1,76
9/ 14/ 10	242,26	0,08	9,18	0,00<<	-56,54	0,09
9/ 13/ 7	173,69	-0,09	-0,10	-0,00	0,71	-0,72
9/ 13/ 11	209,96	-0,58	15,43	-0,00	105,91<<	-3,39
9/ 14/ 4	197,59	-2,98	2,53	-0,00	-14,74	1,76>>
9/ 13/ 1	196,92	-0,57	13,44	-0,00	-93,28	1,50<<
10/ 15/ 14	277,51>>	0,39	13,16	0,00	-63,96	1,50
10/ 14/ 16	53,05<<	0,11	0,0	0,0	0,0	0,32
10/ 14/ 6	168,56	3,10	2,63	0,00	-15,29	-3,76
10/ 14/ 4	197,59	3,01	2,53	-0,00	-14,74	4,17
10/ 14/ 11	209,96	-0,56	0,00	0,0	-90,21	-2,82
10/ 5/11/ 7	173,69	-0,10	0,00	-0,00	0,57	-0,58
10/ 15/ 13	253,30	-0,17	9,29	0,00	-47,38	2,07
10/ 15/ 10	242,26	0,06	9,19	0,00	-47,32	0,02
10/ 14/ 7	173,69	-0,10	-0,10	-0,00	0,00	-0,62
10/ 14/ 11	209,96	-0,56	15,80	0,0	0,00	-2,82
10/ 15/ 4	197,59	-1,56	2,48	-0,00	-12,23	0,00
10/ 15/ 6	168,56	1,66	2,58	0,00	-12,67	0,00
11/ 16/ 14	0,00	0,34	12,30	0,00	-51,20	1,13
11/ 15/ 16	0,00	0,09	0,0	0,0	0,0	0,22
11/ 15/ 6	168,56	0,00	2,58	0,00	-12,67	-6,12

ROBOT v 13.5.0
Autor :
Dirección :

© RoboBAT 1985-2000
Archivo : ENCEPADO.rtd
Proyecto : ENCEPADO

Barra/Punto/Caso	FX (T)	FY (T)	FZ (T)	MX (Tm)	MY (Tm)	MZ (Tm)
11/ 15/ 4	197,59	-1,56<<	2,48	-0,00	-12,23	6,41
11/ 15/ 11	209,96	-0,52	15,37>>	-0,00	-74,57	-2,27
11/ 15/ 7	173,69	-0,10	-0,10<<	-0,00	0,51	-0,53
11/ 16/ 13	253,30	0,05	8,85	0,00>>	-38,28	2,13
11/ 16/ 10	242,26	0,03	8,78	-0,00<<	-38,30	-0,02
11/ 15/ 7	173,69	-0,10	-0,10	-0,00	0,51>>	-0,53
11/ 15/ 11	209,96	-0,52	15,37	-0,00	-74,57<<	-2,27
11/ 16/ 4	197,59	-0,44	2,33	-0,00	-9,82	7,39>>
11/ 16/ 6	168,56	0,52	2,42	0,00	-10,17	-7,18<<
12/ 17/ 14	277,51>>	0,28	11,10	0,00	-39,48	0,83
12/ 16/ 16	64,19<<	0,07	0,0	0,0	0,0	0,15
12/ 16/ 6	168,56	0,52>>	2,42	0,00	-10,17	-7,18
12/ 16/ 8	198,30	-0,61<<	13,83	-0,00	-57,67	-2,36
12/ 16/ 11	209,96	-0,47	14,36>>	-0,00	-59,67	-1,78
12/ 16/ 7	173,69	-0,10	-0,10<<	-0,00	0,41	-0,43
12/ 17/ 15	202,14	-0,47	8,50	0,00>>	-31,09	-3,50
12/ 17/ 12	198,85	-0,59	11,48	-0,00<<	-40,97	-3,78
12/ 16/ 7	173,69	-0,10	-0,10	-0,00	0,41>>	-0,43
12/ 16/ 11	209,96	-0,47	14,36	-0,00	-59,67<<	-1,78
12/ 6/11/ 4	197,59	0,02	2,23	-0,00	-8,68	7,49>>
12/ 7/11/ 6	168,56	-0,04	2,29	0,00	-8,75	-7,32<<
13/ 18/ 14	277,51>>	0,23	9,67	0,00	-29,08	0,57
13/ 17/ 16	67,26<<	0,05	0,0	0,0	0,0	0,09
13/ 18/ 4	197,59	1,00>>	1,85	-0,00	-5,61	6,65
13/ 18/ 6	168,56	-0,96<<	1,92	0,00	-5,80	-6,57
13/ 17/ 11	209,96	-0,41	12,94>>	-0,00	-45,99	-1,34
13/ 17/ 7	173,69	-0,09	-0,09<<	-0,00	0,32	-0,34
13/ 18/ 13	253,30	0,32	7,17	0,00>>	-22,13	1,72
13/ 18/ 10	242,26	0,00	7,16	-0,00<<	-22,22	-0,05
13/ 17/ 7	173,69	-0,09	-0,09	-0,00	0,32>>	-0,34
13/ 17/ 11	209,96	-0,41	12,94	-0,00	45,99<<	-1,34
13/ 17/ 4	197,59	0,41	2,11	-0,00	-7,60	7,38>>
13/ 17/ 6	168,56	-0,35	2,19	0,00	-7,86	-7,24<<
14/ 19/ 14	277,51>>	0,17	8,11	0,00	-20,18	0,37
14/ 18/ 16	70,33<<	0,03	0,0	0,0	0,0	0,05
14/ 19/ 4	197,59	1,36>>	1,56	-0,00	-3,91	5,46
14/ 19/ 6	168,56	-1,32<<	1,61	0,00	-4,03	-5,41
14/ 18/ 11	209,96	-0,34	11,27>>	-0,00	-33,86	-0,96
14/ 18/ 7	173,69	-0,08	-0,08<<	-0,00	0,24	-0,25
14/ 19/ 13	253,30	0,38	6,09	0,00>>	-15,49	1,37
14/ 19/ 10	242,26	-0,01	6,10	0,00<<	-15,58	-0,05
14/ 18/ 7	173,69	-0,08	-0,08	-0,00	0,24>>	-0,25
14/ 18/ 11	209,96	-0,34	11,27	-0,00	33,86<<	-0,96
14/ 18/ 4	197,59	1,00	1,85	-0,00	-5,61	6,65
14/ 18/ 6	168,56	-0,96	1,92	0,00	-5,80	-6,57
15/ 20/ 14	277,51	0,13	6,49	0,00	-12,88	0,22
15/ 19/ 16	0,0	0,02	0,0	0,0	0,0	0,02
15/ 20/ 4	197,59	1,0	1,25	-0,00	-2,50	4,02
15/ 20/ 6	168,56	-1,0	1,29	0,00	-2,58	-4,00
15/ 19/ 11	209,96	-0,28	0,0	-0,00	-23,49	-0,65
15/ 19/ 7	173,69	-0,07	0,0	-0,00	0,17	-0,18
15/ 20/ 13	253,30	0,38	4,94	0,0	-9,97	0,98
15/ 20/ 10	242,26	-0,01	4,96	0,0	-10,04	-0,04
15/ 19/ 7	173,69	-0,07	-0,07	-0,00	0,0	-0,18
15/ 19/ 11	209,96	-0,28	9,45	-0,00	0,0	-0,65
15/ 19/ 4	197,59	1,36	1,56	-0,00	-3,91	0,0
15/ 19/ 6	168,56	-1,32	1,61	0,00	-4,03	0,0
16/ 21/ 14	0,0	0,09	4,84	0,00	-7,21	0,12
16/ 20/ 16	0,0	0,01	0,0	0,0	0,0	0,01

ROBOT v 13.5.0
Autor :
Dirección :

© RoboBAT 1985-2000
Archivo : ENCEPADO.rtd
Proyecto : ENCEPADO

Barra/Punto/Caso	FX (T)	FY (T)	FZ (T)	MX (Tm)	MY (Tm)	MZ (Tm)
16/ 2/11/ 4	197,59	1,49>>	1,22	-0,00	-2,38	3,87
16/ 3/11/ 6	168,56	-1,47<<	1,23	0,0	-2,33	-3,70
16/ 20/ 11	209,96	-0,22	7,55>>	-0,00	-14,99	-0,41
16/ 20/ 7	173,69	-0,06	-0,05<<	-0,00	0,11	-0,11
16/ 21/ 13	253,30	0,35	3,73	0,00>>	-5,63	0,61
16/ 21/ 10	242,26	-0,01	3,76	-0,00<<	-5,68	-0,03
16/ 20/ 7	173,69	-0,06	-0,05	-0,00	0,11>>	-0,11
16/ 20/ 11	209,96	-0,22	7,55	-0,00	14,99<<	-0,41
16/ 20/ 4	197,59	1,49	1,25	-0,00	-2,50	4,02>>
16/ 20/ 6	168,56	-1,47	1,29	0,0	-2,58	-4,00<<
17/ 22/ 14	277,51>>	0,05	3,21	0,00	-3,19	0,05
17/ 21/ 16	79,54<<	0,00	0,0	0,0	0,0	-0,00
17/ 21/ 4	197,59	1,41>>	0,94	-0,00	-1,40	2,55
17/ 21/ 6	168,56	-1,40<<	0,97	0,00	-1,45	-2,54
17/ 21/ 11	209,96	-0,15	5,64>>	-0,00	-8,39	-0,22
17/ 21/ 7	173,69	-0,04	-0,04<<	-0,00	0,06	-0,07
17/ 22/ 13	253,30	0,27	2,50	0,00>>	-2,51	0,30
17/ 22/ 10	242,26	-0,01	2,53	-0,00<<	-2,54	-0,02
17/ 21/ 7	173,69	-0,04	-0,04	-0,00	0,06>>	-0,07
17/ 21/ 11	209,96	-0,15	5,64	-0,00	8,39<<	-0,22
17/ 21/ 4	197,59	1,41	0,94	-0,00	-1,40	2,55>>
17/ 21/ 6	168,56	-1,40	0,97	0,00	-1,45	-2,54<<
18/ 23/ 14	277,51>>	0,02	1,59	0,0	-0,79	0,01
18/ 22/ 16	82,61<<	-0,00	0,0	0,0	0,0	-0,00
18/ 22/ 4	197,59	1,13>>	0,62	0,0	-0,62	1,26
18/ 22/ 6	168,56	-1,13<<	0,64	0,0	-0,64	-1,26
18/ 22/ 11	209,96	-0,10	3,73>>	0,0	-3,71	-0,10
18/ 22/ 7	173,69	-0,03	-0,03<<	0,0	0,03	-0,03
18/ 23/ 16	85,68	-0,00	0,0	0,0>>	0,0	-0,00
18/ 23/ 16	85,68	-0,00	0,0	0,0<<	0,0	-0,00
18/ 22/ 7	173,69	-0,03	-0,03	0,0	0,03>>	-0,03
18/ 22/ 11	209,96	-0,10	3,73	0,0	3,71<<	-0,10
18/ 22/ 4	197,59	1,13	0,62	0,0	-0,62	1,26>>
18/ 22/ 6	168,56	-1,13	0,64	0,0	-0,64	-1,26<<
19/ 5/ 14	277,51>>	0,00	-0,00	0,0	0,00	-0,00
19/ 23/ 16	85,68<<	-0,00	0,0	0,0	0,0	-0,00
19/ 23/ 4	197,59	0,66>>	0,31	0,0	-0,16	0,35
19/ 23/ 6	168,56	-0,66<<	0,32	0,0	-0,16	-0,35
19/ 23/ 11	209,96	-0,05	1,85	0,0	-0,92	-0,02
19/ 23/ 7	173,69	-0,01	0,01	0,0	0,01	-0,01
19/ 5/ 16	88,75	0,00	0,0	0,0	0,0	0,00
19/ 5/ 16	88,75	0,00	0,0	0,0	0,0	0,00
19/ 23/ 7	173,69	-0,01	-0,01	0,0	0,01	-0,01
19/ 23/ 11	209,96	-0,05	1,85	0,0	1,71	-0,02
19/ 23/ 4	197,59	0,66	0,31	0,0	-0,16	0,35
19/ 23/ 6	168,56	-0,66	0,32	0,0	-0,16	-0,35
20/ 24/ 1	310,08	0,22	-0,31	-0,00	-129,71	-5,86
20/ 4/ 16	0,0	-0,22	0,0	0,0	0,0	-1,37
20/ 4/ 6	193,44	0,0	-1,74	-0,00	-23,30	54,05
20/ 4/ 4	168,41	0,0	-1,74	0,0	-22,35	-54,43
20/ 24/ 11	290,04	-0,20	0,0	-0,00	-149,09	-4,99
20/ 4/ 10	253,84	-0,29	0,0	-0,00	-81,35	-2,53
20/ 24/ 13	241,70	-3,81	-2,54	0,0	-80,72	-10,39
20/ 24/ 1	310,08	0,22	-0,31	0,0	-129,71	-5,86
20/ 24/ 7	192,31	-0,19	0,02	0,00	0,0	-2,14
20/ 10/11/ 11	290,04	-0,18	-0,21	-0,00	0,0	-5,01
20/ 4/ 6	193,44	17,77	-1,74	-0,00	-23,30	0,0
20/ 4/ 4	168,41	-17,87	-1,74	0,0	-22,35	0,0
21/ 25/ 1	0,0	-0,11	5,67	-0,00	-126,86	-5,90

ROBOT v 13.5.0
Autor :
Dirección :

© RoboBAT 1985-2000
Archivo : ENCEPADO.rtd
Proyecto : ENCEPADO

Barra/Punto/Caso			FX (T)	FY (T)	FZ (T)	MX (Tm)	MY (Tm)	MZ (Tm)
21/	24/	16	**42,70<<**	-0,21	0,0	0,0	0,0	-1,15
21/	24/	6	193,44	**-14,76>>**	-0,17	-0,00	-24,22	37,80
21/	24/	4	168,41	**-14,84<<**	-0,21	0,0	-23,29	-38,08
21/	25/	11	290,04	-0,37	**7,16>>**	-0,00	-145,03	-4,70
21/	24/	10	253,84	-0,32	**-2,64<<**	0,0	-87,05	-2,22
21/	25/	13	241,70	-3,10	1,91	**0,00>>**	-80,92	-6,94
21/	25/	1	310,08	-0,11	5,67	**-0,00<<**	-126,86	-5,90
21/	5/11/	7	192,31	-0,20	0,00	0,00	**0,93>>**	-2,06
21/	24/	11	290,04	-0,20	0,58	-0,00	**-149,09<<**	-4,99
21/	24/	6	193,44	14,76	-0,17	-0,00	-24,22	**37,80>>**
21/	24/	4	168,41	-14,84	-0,21	0,0	-23,29	**-38,08<<**
22/	26/	1	**310,08>>**	-0,35	9,78	-0,00	-118,99	-5,67
22/	25/	16	**45,77<<**	-0,20	0,0	0,0	0,0	-0,95
22/	25/	6	193,44	**11,89>>**	0,98	-0,00	-23,78	24,49
22/	25/	4	168,41	**-11,96<<**	0,91	0,00	-22,91	-24,70
22/	26/	11	290,04	-0,47	**11,64>>**	-0,00	-135,47	-4,28
22/	26/	7	192,31	-0,24	**0,06<<**	0,0	0,88	-1,70
22/	26/	15	296,86	1,92	5,71	**-0,00>>**	-82,96	-1,92
22/	26/	9	258,43	-2,74	9,53	**-0,00<<**	-116,79	-4,35
22/	25/	7	192,31	-0,23	-0,03	0,0	**0,92>>**	-1,93
22/	25/	11	290,04	-0,37	7,16	-0,00	**-145,03<<**	-4,70
22/	25/	6	193,44	11,89	0,98	-0,00	-23,78	**24,49>>**
22/	25/	4	168,41	-11,96	0,91	0,00	-22,91	**-24,70<<**
23/	27/	1	**310,08>>**	-0,51	12,35	-0,00	-107,81	-5,23
23/	26/	16	**48,84<<**	-0,18	0,0	0,0	0,0	-0,76
23/	26/	6	193,44	**9,24>>**	1,78	0,0	-22,38	13,95
23/	26/	4	168,41	**-9,30<<**	1,69	0,00	-21,58	-14,09
23/	27/	11	290,04	-0,52	**14,40>>**	0,0	-122,32	-3,78
23/	27/	7	192,31	-0,25	**-0,08<<**	0,00	0,80	-1,45
23/	27/	15	296,86	1,20	7,86	**0,00>>**	-76,08	-3,47
23/	27/	1	310,08	-0,51	12,35	**-0,00<<**	-107,81	-5,23
23/	26/	7	192,31	-0,24	-0,06	0,00	**0,88>>**	-1,70
23/	26/	11	290,04	-0,47	11,64	0,0	**-135,47<<**	-4,28
23/	26/	6	193,44	9,24	1,78	0,0	-22,38	**13,95>>**
23/	26/	4	168,41	-9,30	1,69	0,00	-21,58	**-14,09<<**
24/	28/	1	**310,08>>**	-0,61	13,68	-0,00	-94,71	-4,66
24/	27/	16	**51,91<<**	-0,16	0,0	0,0	0,0	-0,59
24/	27/	6	193,44	**6,88>>**	2,28	-0,00	-20,32	5,91
24/	27/	4	168,41	**-6,92<<**	2,18	0,00	-19,63	-6,00
24/	28/	11	290,04	-0,54	**15,78>>**	-0,00	-107,13	-3,25
24/	28/	7	192,31	-0,24	**-0,10<<**	-0,00	0,71	-1,21
24/	28/	15	296,86	0,61	9,10	**0,00>>**	-67,53	-4,36
24/	28/	9	258,43	-1,44	13,40	**0,00<<**	-93,04	-0,23
24/	27/	7	192,31	-0,25	-0,08	-0,00	**0,88>>**	-1,45
24/	27/	11	290,04	-0,52	14,40	-0,00	**-122,32<<**	-3,78
24/	27/	6	193,44	6,88	2,28	-0,00	-20,32	**5,91>>**
24/	27/	4	168,41	-6,92	2,18	0,00	-19,63	**-6,00<<**
25/	29/	1	**310,08>>**	-0,65	14,06	0,0	-80,77	-4,03
25/	28/	16	**50,27<<**	-0,13	0,0	0,0	0,0	-0,44
25/	28/	6	193,44	**8,92>>**	2,55	-0,00	-17,89	0,09
25/	28/	4	168,41	**-8,96<<**	2,45	0,00	-17,29	-0,14
25/	9/11/	11	290,04	-0,53	**16,42>>**	-0,00	-94,33	-2,82
25/	29/	7	192,31	-0,22	**-0,12<<**	-0,00	0,61	-0,98
25/	29/	15	296,86	0,14	9,60	**0,00>>**	-58,13	-4,72
25/	29/	9	258,43	-0,93	13,78	**0,00<<**	-79,38	0,96
25/	28/	7	192,31	-0,24	-0,10	-0,00	**0,88>>**	-1,21
25/	28/	11	290,04	-0,54	15,78	-0,00	**-135,47<<**	-3,25
25/	29/	4	168,41	-3,10	2,53	0,00	-14,79	**3,95>>**
25/	29/	15	296,86	0,14	9,60	0,00	-58,13	**-4,72<<**

ROBOT v 13.5.0
Autor :
Dirección :

© RoboBAT 1985-2000
Archivo : ENCEPADO.rtd
Proyecto : ENCEPADO

Barra/Punto/Caso			FX (T)	FY (T)	FZ (T)	MX (Tm)	MY (Tm)	MZ (Tm)
26/	30/	1	**310,08>>**	-0,65	13,71	-0,00	-66,83	-3,38
26/	29/	16	**58,05<<**	-0,11	0,0	0,0	0,0	-0,32
26/	29/	6	193,44	**3,08>>**	2,63	-0,00	-15,29	-3,84
26/	29/	4	168,41	**-3,10<<**	2,53	0,00	-14,79	3,81
26/	29/	11	290,04	-0,53	**16,09>>**	0,00	-91,11	-2,71
26/	5/11/	7	192,31	-0,21	**-0,10<<**	-0,00	0,57	-0,89
26/	30/	15	296,86	-0,21	9,55	**0,00>>**	-48,51	-4,68
26/	30/	10	253,84	-0,18	9,58	**-0,00<<**	-49,06	-0,59
26/	29/	7	192,31	-0,22	-0,10	-0,00	**0,61>>**	-0,98
26/	29/	11	290,04	-0,53	16,09	0,00	**-91,11<<**	-2,71
26/	30/	4	168,41	-1,66	2,49	0,00	-12,27	**6,17>>**
26/	30/	6	193,44	1,64	2,58	-0,00	-12,67	**-6,17<<**
27/	31/	1	**310,08>>**	-0,62	12,83	0,0	-53,53	-2,74
27/	30/	16	**61,12<<**	-0,09	0,0	0,0	0,0	-0,22
27/	30/	6	193,44	**1,64>>**	2,58	0,00	-12,67	-6,17
27/	30/	4	168,41	**-1,66<<**	2,49	0,00	-12,27	6,17
27/	30/	11	290,04	-0,49	**15,61>>**	0,00	-75,21	-2,20
27/	30/	7	192,31	-0,20	**-0,10<<**	-0,00	0,51	-0,77
27/	31/	13	241,70	-0,19	8,50	**0,00>>**	-36,93	1,60
27/	31/	10	253,84	-0,15	9,14	**-0,00<<**	-39,67	-0,42
27/	30/	7	192,31	-0,20	-0,10	-0,00	**0,51>>**	-0,77
27/	30/	11	290,04	-0,49	15,61	0,00	**-75,21<<**	-2,20
27/	31/	4	168,41	-0,51	2,34	0,00	-9,85	**7,23>>**
27/	31/	6	193,44	0,50	2,42	0,00	-10,17	**-7,22<<**
28/	32/	1	**310,08>>**	-0,58	11,58	-0,00	-41,30	-2,14
28/	31/	16	**64,19<<**	-0,07	0,0	0,0	0,0	-0,15
28/	31/	6	193,44	**0,50>>**	2,42	0,00	-10,17	-7,22
28/	32/	15	296,86	**-0,63<<**	8,31	0,00	-30,45	-3,78
28/	31/	11	290,04	-0,45	**14,54>>**	0,00	-60,10	-1,73
28/	31/	7	192,31	-0,17	**-0,10<<**	0,0	0,41	-0,59
28/	32/	13	241,70	0,04	7,80	**0,00>>**	-28,76	1,67
28/	32/	12	307,15	-0,59	11,66	**-0,00<<**	-41,56	-3,78
28/	31/	7	192,31	-0,17	-0,10	0,0	**0,41>>**	-0,59
28/	31/	11	290,04	-0,45	14,54	0,00	**-60,10<<**	-1,73
28/	7/11/	4	168,41	0,04	2,21	0,00	-8,49	**7,36>>**
28/	6/11/	6	193,44	0,04	2,31	0,00	-8,98	**-7,35<<**
29/	33/	1	**310,08>>**	-0,51	10,10	-0,00	-30,44	-1,59
29/	32/	16	**67,26<<**	-0,05	0,0	0,0	0,0	-0,09
29/	33/	4	168,41	**0,97>>**	1,86	-0,00	-5,63	6,60
29/	33/	6	193,44	**-0,97<<**	1,92	-0,00	-5,80	-6,58
29/	32/	11	290,04	-0,39	**13,06>>**	-0,00	-46,26	-1,31
29/	32/	7	192,31	-0,14	**-0,07<<**	0,00	0,32	-0,43
29/	33/	15	296,86	-0,72	7,34	**0,00>>**	-22,61	-3,10
29/	33/	10	253,84	-0,09	7,42	**-0,00<<**	-22,97	-0,19
29/	32/	7	192,31	-0,14	-0,09	0,00	**1,02>>**	-0,43
29/	32/	11	290,04	-0,39	13,08	-0,00	**-0,96<<**	-1,31
29/	32/	4	168,41	0,36	2,12	-0,00	-7,62	**7,03>>**
29/	32/	6	193,44	-0,36	2,19	-0,00	-7,86	**-7,02<<**
30/	34/	1	**310,08>>**	-0,44	8,48	-0,00	-21,14	-1,12
30/	33/	16	**70,33<<**	-0,03	0,0	0,0	0,0	-0,05
30/	34/	4	168,41	**0,97>>**	1,56	0,0	-3,92	5,43
30/	34/	6	193,44	**-0,97<<**	1,61	0,00	-4,03	-5,41
30/	33/	11	290,04	-0,33	**11,37>>**	-0,00	-34,02	-0,95
30/	33/	7	192,31	-0,12	**-0,08<<**	-0,00	0,24	-0,30
30/	34/	13	241,70	0,30	5,88	**0,00>>**	-14,99	1,29
30/	34/	10	253,84	-0,06	6,32	**-0,00<<**	-16,09	-0,11
30/	33/	7	192,31	-0,12	-0,08	-0,00	**0,24>>**	-0,30
30/	33/	11	290,04	-0,33	11,37	-0,00	**-14,99<<**	-0,95
30/	33/	4	168,41	0,97	1,86	0,0	-5,63	**5,43>>**

ROBOT v 13.5.0
Autor :
Dirección :

© RoboBAT 1985-2000
Archivo : ENCEPADO.rtd
Proyecto : ENCEPADO

Barra/Punto/Caso			FX (T)	FY (T)	FZ (T)	MX (Tm)	MY (Tm)	MZ (Tm)
30/	33/	6	193,44	-0,97	1,92	0,00	-5,80	-6,58<<
31/	35/	1	310,08>>	-0,36	6,79	-0,00	-13,50	-0,72
31/	34/	16	73,40<<	-0,02	0,0	0,0	0,0	-0,02
31/	35/	4	168,41	-1,48>>	1,26	-0,00	-2,51	4,01
31/	35/	6	193,44	-1,47<<	1,29	-0,00	-2,58	-4,00
31/	34/	11	290,04	-0,27	9,51>>	-0,00	-23,57	-0,65
31/	34/	7	192,31	-0,09	-0,07<<	-0,00	0,17	-0,20
31/	35/	13	241,70	0,35	4,77	0,00>>	-9,66	0,97
31/	35/	10	253,84	-0,04	5,12	-0,00<<	-10,36	-0,06
31/	34/	7	192,31	-0,09	-0,07	-0,00	0,17>>	-0,20
31/	34/	11	290,04	-0,27	9,51	-0,00	-23,57<<	-0,65
31/	34/	4	168,41	1,33	1,56	-0,00	-3,92	5,43>>
31/	34/	6	193,44	-1,33	1,61	-0,00	-4,03	-5,41<<
32/	36/	1	310,08>>	-0,27	5,08	-0,00	-7,56	-0,41
32/	35/	16	76,47<<	-0,01	0,0	0,0	0,0	-0,01
32/	3/11/	4	168,41	1,48>>	1,19	-0,00	-2,26	3,72
32/	3/11/	6	193,44	-1,47<<	1,23	-0,00	-2,33	-3,70
32/	35/	11	290,04	-0,21	7,59>>	-0,00	-15,02	-0,40
32/	35/	7	192,31	-0,07	-0,05<<	-0,00	0,11	-0,12
32/	36/	15	296,86	-0,59	3,81	0,00>>	-5,74	-1,00
32/	36/	10	253,84	-0,02	3,88	-0,00<<	-5,86	-0,03
32/	35/	7	192,31	-0,07	-0,05	-0,00	0,11>>	-0,12
32/	35/	11	290,04	-0,21	7,59	-0,00	-15,02<<	-0,40
32/	35/	4	168,41	1,48	1,26	-0,00	-2,51	4,01>>
32/	35/	6	193,44	-1,47	1,29	-0,00	-2,58	-4,00<<
33/	37/	1	310,08>>	-0,18	3,36	-0,00	-3,35	-0,18
33/	36/	16	79,54<<	-0,00	0,0	0,0	0,0	0,00
33/	36/	4	168,41	1,41>>	0,94	-0,00	-1,41	2,55
33/	36/	6	193,44	-1,40<<	0,97	-0,00	-1,45	-2,54
33/	36/	11	290,04	-0,15	5,65>>	-0,00	-8,40	-0,22
33/	36/	7	192,31	-0,05	-0,04<<	-0,00	0,06	-0,06
33/	37/	13	241,70	0,28	2,43	0,00>>	-2,44	0,31
33/	37/	3	287,51	-0,09	3,62	-0,00<<	-3,59	-0,09
33/	36/	7	192,31	-0,05	-0,04	-0,00	0,06>>	-0,06
33/	36/	11	290,04	-0,15	5,65	-0,00	-8,40<<	-0,22
33/	36/	4	168,41	1,41	0,94	-0,00	-1,41	2,55>>
33/	36/	6	193,44	-1,40	0,97	-0,00	-1,45	-2,54<<
34/	38/	1	310,08>>	-0,09	1,67	-0,00	-0,83	-0,05
34/	37/	16	82,61<<	0,00	0,0	0,0	0,0	0,00
34/	37/	4	168,41	1,14>>	0,63	0,0	-0,62	1,27
34/	37/	6	193,44	-1,13<<	0,64	0,0	-0,64	-1,26
34/	37/	11	290,04	-0,10	3,73>>	0,0	-3,71	-0,10
34/	37/	7	192,31	-0,03	0,03<<	-0,00	0,03	-0,03
34/	38/	8	308,70	-0,06	1,81	0,00	-0,90	-0,03
34/	38/	12	307,15	-0,26	1,68	0,00	-0,84	-0,13
34/	37/	7	192,31	-0,03	-0,03	-0,00	0,03	-0,03
34/	37/	11	290,04	-0,10	3,73	0,0	0,03	-0,10
34/	37/	4	168,41	1,14	0,63	0,0	-0,62	1,27
34/	37/	6	193,44	-1,13	0,64	0,0	-0,64	-1,26
35/	6/	1	310,08	-0,00	0,00	0,00	-0,00	-0,00
35/	38/	16	82,61	0,00	0,0	0,0	0,0	0,00
35/	38/	4	168,41	0,67	0,31	0,0	-0,16	0,35
35/	38/	6	193,44	-0,66	0,32	0,00	-0,16	-0,35
35/	38/	11	290,04	-0,05	1,85	0,0	-0,92	-0,02
35/	38/	7	192,31	-0,01	-0,01	-0,00	0,01	-0,01
35/	6/	12	307,15	-0,00	-0,00	0,00	0,00	-0,00
35/	6/	13	241,70	0,00	-0,00	0,00	0,00	0,00
35/	38/	7	192,31	-0,01	-0,01	-0,00	0,01	-0,01
35/	38/	11	290,04	-0,05	1,85	0,0	0,03	-0,02

ROBOT v 13.5.0
Autor :
Dirección :

© RoboBAT 1985-2000
Archivo : ENCEPADO.rtd
Proyecto : ENCEPADO

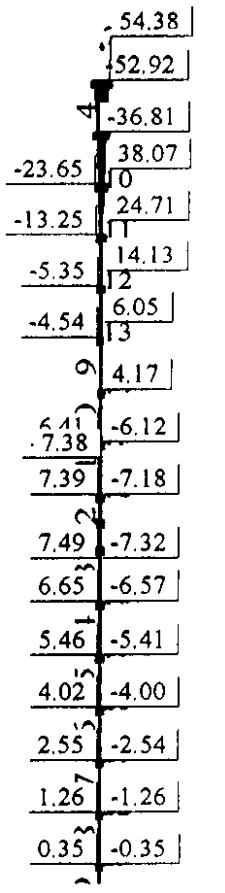
Barra/Punto/Caso			FX (T)	FY (T)	FZ (T)	MX (Tm)	MY (Tm)	MZ (Tm)
35/	38/	4	168,41	0,67	0,31	0,0	-0,16	0,35>>
35/	38/	6	193,44	-0,66	0,32	0,00	-0,16	-0,35<<

Esfuerzos - Casos: 1A16 : Extremos globales:

Filtrar	Barra	Caso
Lista completa	1 4A35	1A16
Selección	1 4A35	1A16
Número total	33	16
Número seleccionado	33	16

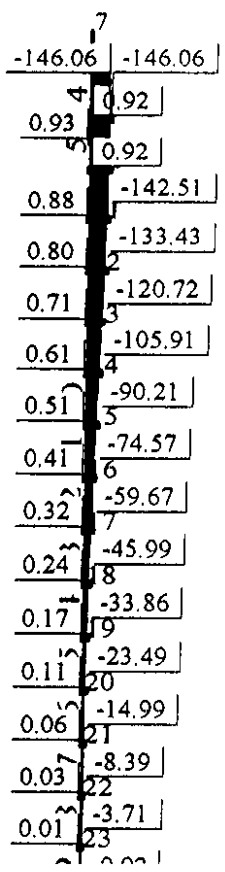
	FX (T)	FY (T)	FZ (T)	MX (Tm)	MY (Tm)	MZ (Tm)
MAX	310,08	17,83	16,10	43,42	22,16	54,38
Barra	25	4	25	1	1	4
Punto	0	0	9/11	8/11	8/11	0
Caso	1	6	11	10	12	6
MIN	-4,40	-17,87	-15,85	-42,96	-149,11	-54,43
Barra	1	20	1	1	20	20
Punto	8/11	0	3/11	8/11	10/11	0
Caso	14	4	16	13	11	4

MZ; casos: 1A16 PILOTE 1



© RoboBAT 1985-2000
Archivo : ENCEPADO.rtd
Proyecto : ENCEPADO

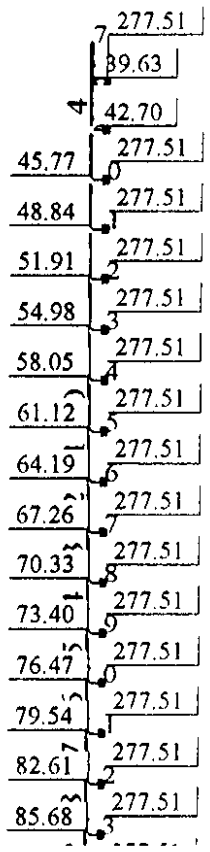
MY; casos: 1A16 PILOTE 1



ROBOT v 13.5.0
Autor :
Dirección :

© RoboBAT 1985-2000
Archivo : ENCEPADO.rtd
Proyecto : ENCEPADO

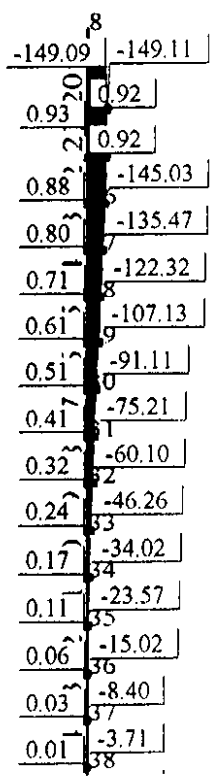
FX; casos: 1A16 PILOTE 1



ROBOT v 13.5.0
Autor :
Dirección :

© RoboBAT 1985-2000
Archivo : ENCEPADO.rtd
Proyecto : ENCEPADO

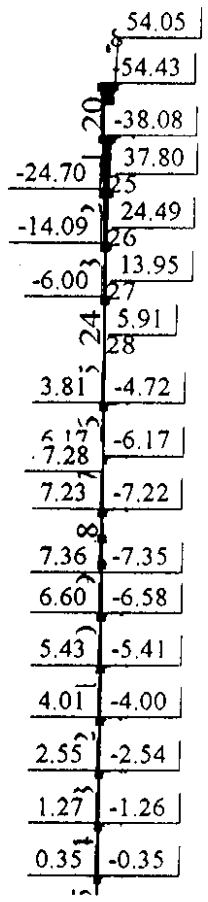
MY; casos: 1A16 PILOTE 2



ROBOT v 13.5.0
Autor :
Dirección :

© RoboBAT 1985-2000
Archivo : **ENCEPADO.rtd**
Proyecto : ENCEPADO

MZ; casos: 1A16 PILOTE 2



ROBOT v 13.5.0
Autor :
Dirección :

© RoboBAT 1985-2000
Archivo : **ENCEPADO.rtd**
Proyecto : ENCEPADO

FX; casos: 1A16 AXILES PILOTE 1

ROBOT v 13.5.0
Autor :
Dirección :

© RoboBAT 1985-2000
Archivo : ENCEPADO.rtd
Proyecto : ENCEPADO

MY; casos: 1A16 DINTEL



ROBOT v 13.5.0
Autor :
Dirección :

© RoboBAT 1985-2000
Archivo : ENCEPADO.rtd
Proyecto : ENCEPADO

FZ; casos: 1A16 CORTANTE





	MY (Tm)
Tipo (color) de linea	
Escala : (cm) =	30.59
MAX	0,00
Barra	1
Punto	x = 1.0000
Caso	16
MIN	-25,90
Barra	1
Punto	x = 0.7219
Caso	16



© RoboBAT 1985-2000
Archivo : ENCEPADO.rtd
Proyecto : ENCEPADO

ROBOT v 13.5.0
Autor :
Dirección :

MX; casos: 1A16 TORSOR

ESFUERZOS DE DIMENSIONAMIENTO DEL ENCEPADO

MOMENTO DE DISEÑO

$Md = M_{HIP} + M_{HIP\,16} \times 1.35 =$

$43.69 + 25.90 \times 1.35 = 78.63$ m-T

$Vd = V_{HIP} + V_{HIP\,16} \times 1.35 =$

$14.51 + 22.04 \times 1.35 = 44.26$ T

$T_{DISE} = 43.42$

ARMADURA ENCEPADO

ARMADURA MÍNIMA

$2.87\% \times 2.5 \times 1.5 = 10.5\,cm^2 = 21\phi 25$

$A_{s,nec} = 16.38$

21φ25 EN CARA SUPERIOR E INFERIOR

ARMADURA MÍNIMA A CORTANTE

$A_{s,min} = \frac{0.02 \times f_{cd} \times b_o}{400} = 20.82\,cm^2/m$

$S = \frac{hT\phi^2}{445} = 0.075\phi^2$ φ16 a 19

CφI6a 0.15

DIMENSIONAMIENTO PILOTES

MÁXIMO, AXIL

$Md_z = 5.86$

$Md_y = 129.71$ T

$Nd = 310.08$T

MÁXIMO MOMENTO

$Md_y = 149.11$

$Md_z = 5.01$

$Nd = 290.04$

ARMADURA MÍNIMA

$A_{s,min} = 0.004 \times 1227 = 49.1\,cm^2$

16φ20

⇒ 20φ20 ✓

$A_{s,v} = \frac{0.02\,b \times f_{cd}}{4000} = 10.4\,cm^2$

$S = 0.151\phi^2$

CφI6 a 0.30

CφI2a 0.20

⇒ CφI6a0.20 ✓

Desplazamientos - Casos: 1A16 : Envolvente:

Filtrar	Nudo	Caso
Lista completa	1A38	1A16
Selección	1A38	1A16
Número total	38	16
Número seleccionado	38	16

Nudo/Caso		UX (cm)	UY (cm)	UZ (cm)	RX (Deg)	RY (Deg)	RZ (Deg)
1/	7	0,0060>>	0,0065	-0,0548	-0,0	0,0	0,0
1/	11	-0,8353<<	0,0223	-0,0535	-0,0	-0,1	0,0
1/	6	-0,1442	0,2440>>	-0,0527	-0,0	-0,0	-0,0
1/	4	-0,1395	-0,2449<<	-0,0732	0,0	-0,0	0,0
1/	16	0,0	-0,0000	-0,0251>>	0,0	0,0	0,0
1/	14	-0,7190	-0,0118	-0,1053<<	0,0	-0,1	-0,0
1/	14	-0,7190	-0,0118	-0,1053	0,0>>	-0,1	-0,0
1/	1	-0,7378	0,0405	-0,0431	-0,0<<	-0,1	0,0
1/	7	0,0060	0,0065	-0,0548	-0,0	0,0>>	0,0
1/	11	-0,8353	0,0223	-0,0535	-0,0	-0,1<<	0,0
1/	10	-0,5534	0,0028	-0,0824	0,0	-0,1	0,0>>
1/	13	-0,5703	-0,0592	-0,0920	0,0	-0,1	-0,0<<
2/	7	0,0060>>	0,0065	-0,0708	-0,0	0,0	0,0
2/	11	-0,8374<<	0,0223	-0,1140	-0,0	-0,1	0,0
2/	6	-0,1442	0,2440>>	-0,0696	-0,0	-0,0	-0,0
2/	4	-0,1404	-0,2449<<	-0,0524	0,0	-0,0	0,0
2/	16	0,0	0,0000	-0,0251>>	-0,0	0,0	0,0
2/	1	-0,7594	0,0405	-0,1281<<	-0,0	-0,1	0,0
2/	14	-0,7173	-0,0117	-0,0758	0,0>>	-0,1	-0,0
2/	1	-0,7594	0,0405	-0,1281	0,0<<	-0,1	0,0
2/	7	0,0060	0,0065	-0,0708	-0,0	0,0>>	0,0
2/	11	-0,8374	0,0223	-0,1140	-0,0	-0,1<<	0,0
2/	10	-0,5926	0,0029	-0,0905	-0,0	-0,1	0,0>>
2/	13	-0,5315	-0,0593	-0,0825	-0,0	-0,1	0,0<<
3/	7	0,0060>>	0,0065	-0,0584	-0,0	0,0	0,0
3/	11	-0,8359<<	0,0223	-0,0706	-0,0	-0,1	0,0
3/	6	-0,1442	0,2440>>	-0,0567	-0,0	-0,0	-0,0
3/	4	-0,1398	-0,2449<<	-0,0665	0,0	-0,0	0,0
3/	16	0,0	-0,0000	-0,0216>>	0,0	0,0	0,0
3/	14	-0,7186	-0,0118	-0,0934<<	0,0	-0,1	-0,0
3/	14	-0,7186	-0,0118	-0,0934	0,0>>	-0,1	-0,0
3/	1	-0,7438	0,0405	-0,0663	0,0<<	-0,1	0,0
3/	7	0,0060	0,0065	-0,0584	-0,0	0,0>>	0,0
3/	11	-0,8359	0,0223	-0,0706	-0,0	-0,1<<	0,0
3/	10	-0,5643	0,0028	-0,0815	0,0	-0,1	0,0>>
3/	13	-0,5595	-0,0592	-0,0852	0,0	-0,1	0,0<<
4/	7	0,0060>>	0,0065	-0,0647	-0,0	0,0	0,0
4/	11	-0,8368<<	0,0223	-0,0976	-0,0	-0,1	0,0
4/	6	-0,1442	0,2440>>	-0,0651	-0,0	-0,0	-0,0
4/	4	-0,1402	-0,2449<<	-0,0567	0,0	-0,0	0,0
4/	16	0,0	0,0000	-0,0216>>	-0,0	0,0	0,0
4/	1	-0,7534	0,0405	-0,0816<<	-0,0	-0,1	0,0
4/	14	-0,7178	-0,0117	-0,0816	0,0>>	-0,1	-0,0
4/	1	-0,7534	0,0405	-0,1043	0,0<<	-0,1	0,0
4/	7	0,0060	0,0065	-0,0647	-0,0	0,0>>	0,0
4/	11	-0,8368	0,0223	-0,0976	-0,0	-0,1<<	0,0

Nudo/Caso		UX (cm)	UY (cm)	UZ (cm)	RX (Deg)	RY (Deg)	RZ (Deg)
4/	10	-0,5817	0,0029	-0,0854	-0,0	-0,1	0,0>>
4/	13	-0,5423	-0,0593	-0,0813	-0,0	-0,1	-0,0<<
5/	11	0,1466>>	-0,0036	0,0	0,0	0,0	0,0
5/	7	-0,0011<<	-0,0012	0,0	-0,0	0,0	0,0
5/	4	0,0248	0,0607>>	0,0	0,0	0,0	0,0
5/	6	0,0255	-0,0608<<	0,0	-0,0	0,0	-0,0
5/	16	0,0	-0,0003	0,0>>	-0,0	0,0	0,0
5/	16	0,0	-0,0003	0,0<<	-0,0	0,0	0,0
5/	4	0,0248	0,0607	0,0	0,0>>	0,0	0,0
5/	6	0,0255	-0,0608	0,0	0,0<<	0,0	-0,0
5/	3	0,1402	-0,0034	0,0	0,0	0,0>>	0,0
5/	10	0,1024	-0,0008	0,0	-0,0	0,0<<	0,0
5/	10	0,1024	-0,0008	0,0	-0,0	-0,0	0,0>>
5/	13	0,1010	0,0141	0,0	0,0	-0,0	0,0<<
6/	11	0,1461>>	-0,0037	0,0	0,0	0,0	0,0
6/	7	-0,0011<<	-0,0009	0,0	0,0	0,0	0,0
6/	4	0,0248	0,0610>>	0,0	0,0	0,0	0,0
6/	6	0,0255	-0,0608<<	0,0	-0,0	0,0	-0,0
6/	16	0,0	0,0003	0,0>>	0,0	0,0	0,0
6/	16	0,0	0,0003	0,0<<	0,0	0,0	0,0
6/	4	0,0248	0,0610	0,0	0,0>>	0,0	0,0
6/	6	0,0255	-0,0608	0,0	-0,0<<	0,0	-0,0
6/	11	0,1461	-0,0037	0,0	0,0	0,0>>	0,0
6/	13	0,0982	0,0150	0,0	0,0	-0,0<<	-0,0
6/	10	0,1053	-0,0001	0,0	0,0	-0,0	0,0>>
6/	13	0,0982	0,0150	0,0	0,0	-0,0	-0,0<<
7/	7	0,0072>>	0,0076	-0,0584	-0,0	0,0	0,0
7/	11	-1,0077<<	0,0278	-0,0706	-0,0	-0,1	0,0
7/	6	-0,1732	0,2453>>	-0,0567	-0,0	-0,0	-0,0
7/	4	-0,1678	-0,2471<<	-0,0665	0,0	-0,0	0,0
7/	16	0,0	-0,0007	-0,0216>>	0,0	0,0	0,0
7/	14	-0,8658	-0,0156	-0,0934<<	0,0	-0,1	-0,0
7/	14	-0,8658	-0,0156	-0,0934	0,0>>	-0,1	-0,0
7/	1	-0,8952	0,0479	-0,0663	0,0<<	-0,1	0,0
7/	7	0,0072	0,0076	-0,0584	-0,0	0,0>>	0,0
7/	11	-1,0077	0,0278	-0,0706	-0,0	-0,1<<	0,0
7/	10	-0,6708	0,0025	-0,0815	0,0	-0,1	0,0>>
7/	13	-0,6666	-0,0613	-0,0852	0,0	-0,1	0,0<<
8/	7	0,0072>>	0,0084	-0,0647	-0,0	0,0	0,0
8/	11	-1,0106<<	0,0275	-0,0976	-0,0	-0,1	0,0
8/	6	-0,1732	0,2458>>	-0,0651	-0,0	-0,0	-0,0
8/	4	-0,1682	-0,2463<<	-0,0567	0,0	-0,0	0,0
8/	16	0,0	0,0007	-0,0216>>	-0,0	0,0	0,0
8/	1	-0,9070	0,0481	-0,1043<<	-0,0	-0,1	0,0
8/	14	-0,8648	-0,0135	-0,0816	0,0>>	-0,1	-0,0
8/	1	-0,9070	0,0481	-0,1043	0,0<<	-0,1	0,0
8/	7	0,0072	0,0084	-0,0647	-0,0	0,0>>	0,0
8/	11	-1,0106	0,0275	-0,0976	-0,0	-0,1<<	0,0
8/	10	-0,6924	0,0045	-0,0854	-0,0	-0,1	0,0>>
8/	13	-0,6452	-0,0589	-0,0813	-0,0	-0,1	0,0<<
9/	7	0,0072>>	0,0050	-0,0548	-0,0	0,0	0,0
9/	11	-1,0077<<	0,0156	-0,0662	-0,0	-0,1	0,0
9/	6	-0,1080	-0,2370<<	-0,0532	-0,0	-0,0	-0,0
9/	4	-0,1049	-0,2370	-0,0623	0,0	-0,0	0,0
9/	16	0,0	0,0008	-0,0216>>	0,0	0,0	0,0
9/	14	-0,5355	-0,0072	-0,0934<<	0,0	-0,1	-0,0
9/	4	-0,1049	-0,2370	-0,0623	0,0>>	-0,0	0,0
9/	6	-0,1080	0,2370	-0,0532	0,0<<	-0,0	-0,0
9/	7	0,0046	0,0050	-0,0548	-0,0	0,0>>	0,0

ROBOT v 13.5.0
Autor :
Dirección :

© RoboBAT 1985-2000
Archivo : ENCEPADO.rtd
Proyecto : ENCEPADO

Nudo/Caso		UX (cm)	UY (cm)	UZ (cm)	RX (Deg)	RY (Deg)	RZ (Deg)
9/	11	-0,6224	0,0156	-0,0662	-0,0	-0,1<<	0,0
9/	10	-0,4308	0,0030	-0,0764	0,0	-0,1	0,0>>
9/	13	-0,4255	-0,0554	-0,0799	0,0	-0,1	0,0<<
10/	7	0,0033>>	0,0037	-0,0511	-0,0	0,0	0,0
10/	11	-0,4402<<	0,0101	-0,0618	-0,0	-0,1	0,0
10/	6	-0,0770	0,2218>>	-0,0496	-0,0	-0,0	-0,0
10/	4	-0,0750	-0,2210<<	-0,0582	0,0	-0,0	0,0
10/	16	0,0	0,0013	0,0198>>	0,0	0,0	0,0
10/	14	-0,3792	-0,0036	-0,0817<<	0,0	-0,1	-0,0
10/	4	-0,0750	-0,2210	-0,0582	0,0>>	-0,0	0,0
10/	6	-0,0770	0,2218	-0,0496	0,0<<	-0,0	-0,0
10/	7	0,0033	0,0037	-0,0511	-0,0	0,0>>	0,0
10/	11	-0,4402	0,0101	-0,0618	-0,0	0,1<<	0,0
10/	10	-0,3152	0,0031	-0,0713	-0,0	-0,1	0,0>>
10/	13	-0,3097	-0,0503	-0,0746	0,0	-0,1	0,0<<
11/	7	0,0023>>	0,0026	-0,0475	-0,0	0,0	0,0
11/	11	0,2885<<	0,0056	-0,0574	-0,0	-0,1	0,0
11/	6	-0,0512	0,2012>>	-0,0461	-0,0	-0,0	-0,0
11/	4	-0,0500	-0,2000<<	-0,0540	0,0	-0,0	0,0
11/	16	0,0	0,0017	0,0188>>	0,0	0,0	0,0
11/	14	-0,2491	-0,0008	0,0759<<	0,0	-0,1	-0,0
11/	4	-0,0500	-0,2000	-0,0540	0,0>>	-0,0	0,0
11/	6	-0,0512	0,2012	-0,0461	0,0<<	-0,0	-0,0
11/	7	0,0023	0,0026	-0,0475	-0,0	0,0>>	0,0
11/	11	-0,2885	0,0056	-0,0574	-0,0	0,1<<	0,0
11/	10	-0,2174	0,0030	-0,0662	-0,0	-0,1	0,0>>
11/	13	-0,2120	-0,0444	-0,0692	0,0	-0,1	0,0<<
12/	7	0,0014>>	0,0017	-0,0438	-0,0	0,0	0,0
12/	11	0,1656<<	0,0021	-0,0530	-0,0	-0,1	0,0
12/	6	-0,0301	0,1776>>	-0,0425	-0,0	-0,0	-0,0
12/	4	-0,0296	-0,1760<<	-0,0499	0,0	-0,0	0,0
12/	16	0,0	0,0018	0,0177>>	0,0	0,0	0,0
12/	14	-0,1435	0,0013	0,0700<<	0,0	-0,1	-0,0
12/	4	-0,0296	-0,1760	-0,0499	0,0>>	-0,0	0,0
12/	6	-0,0301	0,1776	-0,0425	0,0<<	-0,0	-0,0
12/	7	0,0014	0,0017	-0,0438	-0,0	0,0>>	0,0
12/	11	-0,1656	0,0021	-0,0530	-0,0	0,1<<	0,0
12/	10	-0,1367	0,0028	-0,0611	-0,0	-0,0	0,0
12/	13	-0,1317	-0,0382	-0,0639	0,0	-0,0	0,0
13/	7	0,0007>>	0,0010	-0,0402	-0,0	0,0	0,0
13/	10	0,0719<<	0,0025	-0,0560	-0,0	-0,0	0,0
13/	6	-0,0134	0,1526>>	-0,0390	-0,0	-0,0	-0,0
13/	4	-0,0135	0,1508<<	-0,0457	0,0	-0,0	0,0
13/	16	0,0	0,0019	0,0116>>	-0,0	0,0	0,0
13/	14	-0,0601	0,0028	0,0642<<	0,0	-0,0	-0,0
13/	4	-0,0135	-0,1508	-0,0457	0,0>>	-0,0	0,0
13/	6	-0,0134	0,1526	-0,0390	0,0<<	-0,0	-0,0
13/	7	0,0007	0,0010	-0,0402	-0,0	0,0>>	0,0
13/	11	-0,0685	-0,0006	-0,0486	-0,0	0,0<<	0,0
13/	10	-0,0719	0,0025	-0,0560	-0,0	-0,0	0,0
13/	13	-0,0673	-0,0320	-0,0586	0,0	-0,0	0,0
14/	3	0,0	-0,0017	-0,0447	-0,0	-0,0	0,0
14/	10	0,1221	0,0022	-0,0509	-0,0	-0,0	0,0
14/	6	-0,0006	0,0	-0,0354	-0,0	-0,0	-0,0
14/	4	-0,0010	0,0	-0,0416	0,0	-0,0	0,0
14/	16	0,0	0,0018	0,0	-0,0	0,0	0,0
14/	14	0,0037	0,0037	0,0	0,0	-0,0	-0,0
14/	4	-0,0010	-0,1257	-0,0416	0,0	-0,0	0,0
14/	6	-0,0006	0,1275	-0,0354	0,0	-0,0	-0,0

ROBOT v 13.5.0
Autor :
Dirección :

© RoboBAT 1985-2000
Archivo : ENCEPADO.rtd
Proyecto : ENCEPADO

Nudo/Caso		UX (cm)	UY (cm)	UZ (cm)	RX (Deg)	RY (Deg)	RZ (Deg)
14/	7	0,0002	0,0004	-0,0365	-0,0	0,0>>	0,0
14/	11	0,0057	-0,0025	-0,0442	-0,0	0,0<<	0,0
14/	10	-0,0211	0,0022	-0,0509	-0,0	-0,0	0,0>>
14/	13	-0,0171	-0,0261	-0,0533	0,0	-0,0	0,0<<
15/	11	0,0605>>	-0,0038	-0,0397	-0,0	-0,0	0,0
15/	7	0,0002<<	-0,0001	-0,0329	-0,0	0,0	0,0
15/	6	0,0090	0,1032>>	-0,0319	-0,0	-0,0	-0,0
15/	4	0,0083	0,1015<<	-0,0374	0,0	-0,0	0,0
15/	16	0,0	0,0017	0,0142>>	-0,0	0,0	0,0
15/	14	0,0509	0,0043	0,0525<<	0,0	-0,0	-0,0
15/	4	0,0083	-0,1015	-0,0374	0,0>>	-0,0	0,0
15/	6	0,0090	0,1032	-0,0319	0,0<<	-0,0	-0,0
15/	7	-0,0002	-0,0001	-0,0329	-0,0	0,0>>	0,0
15/	11	0,0605	-0,0038	-0,0397	-0,0	0,0<<	0,0
15/	10	0,0175	0,0019	-0,0459	-0,0	-0,0	0,0>>
15/	13	0,0209	-0,0205	-0,0479	0,0	-0,0	0,0<<
16/	11	0,0992>>	-0,0046	-0,0353	-0,0	-0,0	0,0
16/	7	0,0005<<	-0,0004	-0,0292	-0,0	0,0	0,0
16/	6	0,0158	0,0802>>	-0,0284	-0,0	-0,0	-0,0
16/	4	0,0149	0,0786<<	-0,0332	0,0	-0,0	0,0
16/	16	0,0	0,0016	0,0129>>	-0,0	0,0	0,0
16/	14	0,0843	0,0045	0,0467<<	0,0	-0,0	-0,0
16/	4	0,0149	-0,0786	-0,0332	0,0>>	-0,0	0,0
16/	6	0,0158	0,0802	-0,0284	0,0<<	-0,0	-0,0
16/	7	-0,0005	-0,0004	-0,0292	-0,0	0,0>>	0,0
16/	11	0,0992	-0,0046	-0,0353	-0,0	0,0<<	0,0
16/	10	0,0459	0,0016	-0,0408	-0,0	-0,0	0,0>>
16/	13	0,0487	-0,0153	-0,0426	0,0	-0,0	0,0<<
17/	11	0,1250>>	-0,0051	-0,0309	-0,0	-0,0	0,0
17/	7	0,0007<<	-0,0007	-0,0256	-0,0	0,0	0,0
17/	6	0,0204	0,0587>>	-0,0248	-0,0	-0,0	-0,0
17/	4	0,0195	0,0573<<	-0,0291	0,0	-0,0	0,0
17/	16	0,0	0,0014	0,0115>>	-0,0	0,0	0,0
17/	14	0,1066	0,0045	0,0409<<	-0,0	-0,0	-0,0
17/	4	0,0195	-0,0573	-0,0291	0,0>>	-0,0	0,0
17/	6	0,0204	0,0587	-0,0248	0,0<<	-0,0	-0,0
17/	7	-0,0007	-0,0007	-0,0256	-0,0	0,0>>	0,0
17/	11	0,1250	-0,0051	-0,0309	-0,0	0,0<<	0,0
17/	10	0,0660	0,0012	-0,0357	-0,0	-0,0	0,0>>
17/	13	0,0683	-0,0107	-0,0373	0,0	-0,0	0,0<<
18/	11	0,1410	-0,0052	-0,0265	-0,0	-0,0	0,0
18/	7	0,0009	-0,0008	-0,0219	-0,0	0,0	0,0
18/	6	0,0234	0,0388	-0,0213	-0,0	-0,0	-0,0
18/	4	0,0224	-0,0375	-0,0249	0,0	-0,0	0,0
18/	16	0,0	0,0011	0,0100>>	-0,0	0,0	0,0
18/	14	0,1204	0,0043	0,0351<<	-0,0	-0,0	-0,0
18/	4	0,0224	-0,0375	-0,0249	0,0>>	-0,0	0,0
18/	6	0,0234	0,0388	-0,0213	0,0<<	-0,0	-0,0
18/	7	-0,0009	-0,0008	-0,0219	-0,0	0,0	0,0
18/	11	0,1410	-0,0052	-0,0265	-0,0	0,0	0,0
18/	10	0,0797	0,0009	-0,0306	-0,0	-0,0	0,0
18/	13	0,0814	-0,0064	-0,0320	0,0	-0,0	0,0
19/	11	0,1280	-0,0051	-0,0221	0,0	-0,0	0,0
19/	7	0,0039	-0,0009	-0,0183	-0,0	0,0	0,0
19/	6	0,0250	0,0	-0,0177	-0,0	-0,0	-0,0
19/	4	0,0240	0,0	-0,0208	0,0	-0,0	0,0
19/	16	0,0	0,0009	0,0	-0,0	0,0	0,0
19/	14	0,1280	0,0039	0,0	-0,0	-0,0	-0,0
19/	4	0,0240	-0,0192	-0,0208	0,0	-0,0	0,0

ROBOT v 13.5.0
Autor :
Dirección :

© RoboBAT 1985-2000
Archivo : ENCEPADO.rtd
Proyecto : ENCEPADO

Nudo/Caso		UX (cm)	UY (cm)	UZ (cm)	RX (Deg)	RY (Deg)	RZ (Deg)
19/	6	0,0250	0,0203	-0,0177	-0,0<<	-0,0	-0,0
19/	7	-0,0010	-0,0009	-0,0183	-0,0	0,0>>	0,0
19/	10	0,0886	0,0006	-0,0255	-0,0	-0,0<<	0,0
19/	10	0,0886	0,0006	-0,0255	-0,0	-0,0	0,0>>
19/	13	0,0898	-0,0025	-0,0266	0,0	-0,0	-0,0<<
20/	11	0,1530>>	-0,0049	-0,0177	0,0	-0,0	0,0
20/	7	-0,0010<<	-0,0010	-0,0146	-0,0	0,0	0,0
20/	14	0,1311	0,0035>>	-0,0233	-0,0	-0,0	-0,0
20/	1	0,1347	-0,0065<<	-0,0166	-0,0	-0,0	0,0
20/	16	0,0	0,0007	-0,0069>>	-0,0	0,0	0,0
20/	14	0,1311	0,0035	-0,0233<<	-0,0	-0,0	-0,0
20/	4	0,0249	-0,0021	-0,0166	0,0>>	-0,0	0,0
20/	6	0,0258	0,0029	-0,0142	-0,0<<	-0,0	-0,0
20/	7	-0,0010	-0,0010	-0,0146	-0,0	0,0>>	0,0
20/	10	0,0941	0,0003	-0,0204	-0,0	-0,0<<	0,0
20/	10	0,0941	0,0003	-0,0204	-0,0	-0,0	0,0>>
20/	13	0,0947	0,0011	-0,0213	0,0	-0,0	-0,0<<
21/	11	0,1533>>	-0,0047	-0,0132	0,0	0,0	0,0
21/	7	-0,0011<<	-0,0011	-0,0110	-0,0	0,0	0,0
21/	4	0,0252	0,0142>>	-0,0125	0,0	-0,0	0,0
21/	6	0,0261	-0,0136<<	-0,0106	-0,0	-0,0	-0,0
21/	16	0,0	0,0004	-0,0053>>	-0,0	0,0	0,0
21/	14	0,1315	0,0030	-0,0175<<	-0,0	0,0	-0,0
21/	4	0,0252	0,0142	-0,0125	0,0>>	-0,0	0,0
21/	6	0,0261	-0,0136	-0,0106	-0,0<<	-0,0	-0,0
21/	3	0,1471	-0,0041	-0,0134	0,0	0,0>>	0,0
21/	10	0,0975	0,0000	-0,0153	-0,0	-0,0<<	0,0
21/	10	0,0975	0,0000	-0,0153	-0,0	-0,0	0,0>>
21/	13	0,0976	0,0045	-0,0160	0,0	-0,0	-0,0<<
22/	11	0,1517>>	-0,0043	-0,0088	0,0	0,0	0,0
22/	7	-0,0011<<	-0,0011	-0,0073	-0,0	0,0	0,0
22/	4	0,0251	0,0299>>	-0,0083	0,0	0,0	0,0
22/	6	0,0260	-0,0296<<	-0,0071	-0,0	0,0	-0,0
22/	16	0,0	0,0002	0,0036>>	-0,0	0,0	0,0
22/	14	0,1303	0,0026	-0,0117<<	-0,0	0,0	-0,0
22/	4	0,0251	0,0299	-0,0083	0,0>>	0,0	0,0
22/	6	0,0260	-0,0296	-0,0071	0,0<<	0,0	-0,0
22/	3	0,1454	-0,0039	-0,0089	0,0	0,0>>	0,0
22/	10	0,0996	-0,0002	-0,0102	-0,0	-0,0<<	0,0
22/	10	0,0996	-0,0002	-0,0102	-0,0	-0,0	0,0>>
22/	13	0,0991	0,0077	-0,0107	0,0	-0,0	-0,0<<
23/	11	0,1530>>	-0,0040	-0,0044	0,0	0,0	0,0
23/	7	-0,0011<<	-0,0012	-0,0037	-0,0	0,0	0,0
23/	4	0,0250	0,0454>>	-0,0042	0,0	0,0	0,0
23/	6	0,0258	-0,0452<<	-0,0035	-0,0	0,0	-0,0
23/	16	0,0	-0,0000	0,0018>>	-0,0	0,0	0,0
23/	14	0,1283	0,0021	0,0052<<	-0,0	0,0	-0,0
23/	4	0,0250	0,0454	-0,0042	0,0>>	0,0	0,0
23/	6	0,0258	-0,0452	-0,0035	0,0<<	0,0	-0,0
23/	3	0,1429	-0,0037	-0,0045	0,0	0,0>>	0,0
23/	10	0,1011	-0,0005	-0,0051	-0,0	0,0<<	0,0
23/	10	0,1011	-0,0005	-0,0051	-0,0	-0,0	0,0>>
23/	13	0,1002	0,0109	-0,0053	0,0	-0,0	0,0<<
24/	7		0,0041	-0,0607	-0,0	0,0	0,0
24/	11		0,0158	-0,0915	-0,0	-0,1	0,0
24/	6	-0,1080		-0,0610	-0,0	-0,0	-0,0
24/	4	-0,1052		-0,0531	0,0	-0,0	0,0
24/	16	0,0	-0,0008		-0,0	0,0	0,0
24/	1	-0,5622	0,0310		-0,0	-0,1	0,0

ROBOT v 13.5.0
Autor :
Dirección :

© RoboBAT 1985-2000
Archivo : ENCEPADO.rtd
Proyecto : ENCEPADO

Nudo/Caso		UX (cm)	UY (cm)	UZ (cm)	RX (Deg)	RY (Deg)	RZ (Deg)
24/	4	-0,1052	-0,2379	-0,0531	0,0>>	-0,0	0,0
24/	6	-0,1080	0,2368	-0,0610	0,0<<	-0,0	-0,0
24/	7	0,0046	0,0041	-0,0607	-0,0	0,0>>	0,0
24/	11	-0,6211	0,0158	-0,0915	-0,0	0,1<<	0,0
24/	10	-0,4431	0,0010	-0,0801	-0,0	-0,1	0,0>>
24/	13	-0,4134	-0,0584	-0,0762	0,0	-0,1	0,0<<
25/	7	0,0033>>	0,0022	-0,0566	-0,0	0,0	0,0
25/	11	-0,4373<<	0,0105	-0,0854	-0,0	-0,1	0,0
25/	6	-0,0770	-0,2215>>	-0,0569	-0,0	-0,0	-0,0
25/	4	-0,0752	-0,2225<<	-0,0496	0,0	-0,0	0,0
25/	16	0,0	-0,0013	-0,0198>>	-0,0	0,0	0,0
25/	1	-0,3989	0,0228	-0,0913<<	-0,0	-0,1	0,0
25/	4	-0,0752	-0,2225	-0,0496	0,0>>	-0,0	0,0
25/	6	-0,0770	0,2215	-0,0569	0,0<<	-0,0	-0,0
25/	7	0,0033	0,0022	-0,0566	-0,0	0,0>>	0,0
25/	11	-0,4373	0,0105	-0,0854	-0,0	0,1<<	0,0
25/	10	-0,3232	-0,0005	-0,0747	-0,0	-0,1	0,0>>
25/	13	-0,3018	-0,0552	-0,0712	0,0	-0,1	0,0<<
26/	7	-0,0023>>	0,0008	-0,0526	-0,0	0,0	0,0
26/	11	-0,2847<<	0,0061	-0,0793	-0,0	-0,1	0,0
26/	6	-0,0512	0,2008>>	-0,0529	-0,0	-0,0	-0,0
26/	4	-0,0501	-0,2018<<	-0,0460	0,0	-0,0	0,0
26/	16	0,0	-0,0017	-0,0188>>	-0,0	0,0	0,0
26/	1	-0,2628	0,0158	-0,0848<<	-0,0	-0,1	0,0
26/	4	-0,0501	-0,2018	-0,0460	0,0>>	-0,0	0,0
26/	6	-0,0512	0,2008	-0,0529	0,0<<	-0,0	-0,0
26/	7	0,0023	0,0008	-0,0526	-0,0	0,0>>	0,0
26/	11	-0,2847	0,0061	-0,0793	-0,0	0,1<<	0,0
26/	10	-0,2219	-0,0015	-0,0694	-0,0	-0,1	0,0>>
26/	13	-0,2075	-0,0506	-0,0661	0,0	-0,0	0,0<<
27/	7	0,0014>>	-0,0003	-0,0485	-0,0	0,0	0,0
27/	8	-0,1636<<	0,0030	-0,0779	-0,0	-0,1	0,0
27/	6	-0,0301	0,1771>>	-0,0488	-0,0	-0,0	-0,0
27/	4	-0,0297	-0,1781<<	-0,0425	0,0	-0,0	0,0
27/	16	0,0	-0,0018	0,0177>>	-0,0	0,0	0,0
27/	1	-0,1523	0,0100	0,0762<<	-0,0	-0,1	0,0
27/	4	-0,0297	-0,1781	-0,0425	0,0>>	-0,0	0,0
27/	6	-0,0301	0,1771	-0,0488	0,0<<	-0,0	-0,0
27/	7	0,0014	-0,0003	-0,0485	-0,0	0,0>>	0,0
27/	11	-0,1611	0,0027	-0,0732	-0,0	0,1<<	0,0
27/	10	-0,1386	-0,0022	-0,0641	-0,0	-0,0	0,0>>
27/	13	-0,1299	-0,0450	-0,0610	0,0	-0,0	0,0<<
28/	7	0,0007>>	-0,0011	-0,0445	-0,0	0,0	0,0
28/	10	-0,0717<<	-0,0026	-0,0587	-0,0	-0,0	0,0
28/	6	-0,0134	0,1621>>	-0,0447	-0,0	-0,0	-0,0
28/	4	-0,0135	0,1530<<	-0,0390	0,0	-0,0	0,0
28/	16	0,0	-0,0019	0,0172>>	-0,0	0,0	0,0
28/	1	-0,0649	0,0053	0,0711<<	-0,0	-0,0	0,0
28/	4	-0,0135	-0,1530	-0,0390	0,0>>	-0,0	0,0
28/	6	-0,0134	0,1521	-0,0447	0,0<<	-0,0	-0,0
28/	7	0,0007	-0,0011	-0,0445	-0,0	0,0>>	0,0
28/	11	-0,0639	0,0000	-0,0671	-0,0	0,1<<	0,0
28/	10	-0,0717	-0,0026	-0,0587	-0,0	-0,0	0,0>>
28/	13	-0,0675	-0,0390	-0,0559	0,0	-0,0	0,0<<
29/	11		-0,0019	-0,0610	-0,0	-0,0	0,0
29/	10		-0,0028	-0,0534	-0,0	-0,0	0,0
29/	6	-0,0006		-0,0407	-0,0	-0,0	-0,0
29/	4	-0,0010		-0,0354	0,0	-0,0	0,0
29/	16	0,0	-0,0018		0,0	0,0	0,0

ROBOT v 13.5.0
Autor :
Dirección :

© RoboBAT 1985-2000
Archivo : ENCEPADO.rtd
Proyecto : ENCEPADO

Nudo/Caso		UX (cm)	UY (cm)	UZ (cm)	RX (Deg)	RY (Deg)	RZ (Deg)
29/	1	0,0020	0,0017	-0,0652<<	-0,0	-0,0	0,0
29/	4	-0,0010	-0,1278	-0,0354	0,0>>	-0,0	0,0
29/	6	-0,0006	0,1270	-0,0407	-0,0<<	-0,0	-0,0
29/	7	0,0002	-0,0017	-0,0404	-0,0	0,0>>	0,0
29/	11	0,0103	-0,0019	-0,0610	-0,0	-0,0<<	0,0
29/	10	-0,0194	-0,0028	-0,0534	-0,0	-0,0	0,0>>
29/	13	-0,0188	-0,0328	-0,0508	0,0	-0,0	-0,0<<
30/	11	0,0648>>	-0,0033	-0,0549	-0,0	-0,0	0,0
30/	7	-0,0002<<	-0,0020	-0,0364	-0,0	0,0	0,0
30/	6	0,0090	0,1028>>	-0,0366	-0,0	-0,0	-0,0
30/	4	0,0083	-0,1034<<	-0,0319	0,0	-0,0	0,0
30/	16	0,0	-0,0017	0,0142>>	0,0	0,0	0,0
30/	1	0,0516	-0,0011	-0,0587<<	-0,0	-0,0	0,0
30/	4	0,0083	-0,1034	-0,0319	0,0>>	-0,0	0,0
30/	6	0,0090	0,1028	-0,0366	-0,0<<	-0,0	-0,0
30/	7	-0,0002	-0,0020	-0,0364	-0,0	0,0>>	0,0
30/	11	0,0648	-0,0033	-0,0549	-0,0	-0,0<<	0,0
30/	10	0,0202	-0,0028	-0,0480	0,0	-0,0	-0,0>>
30/	13	0,0182	-0,0268	-0,0457	0,0	-0,0	-0,0<<
31/	11	0,1032>>	-0,0041	-0,0488	-0,0	-0,0	0,0
31/	7	-0,0005<<	-0,0021	-0,0324	-0,0	0,0	0,0
31/	6	0,0158	-0,0798>>	-0,0325	-0,0	-0,0	-0,0
31/	4	0,0150	-0,0803<<	-0,0283	0,0	-0,0	0,0
31/	16	0,0	-0,0016	-0,0129>>	0,0	0,0	0,0
31/	1	0,0868	-0,0032	-0,0522<<	-0,0	-0,0	0,0
31/	4	0,0150	-0,0803	-0,0283	0,0>>	-0,0	0,0
31/	6	0,0158	0,0798	-0,0325	-0,0<<	-0,0	-0,0
31/	7	-0,0005	-0,0021	-0,0324	-0,0	0,0>>	0,0
31/	11	0,1032	-0,0041	-0,0488	-0,0	-0,0<<	0,0
31/	10	0,0493	-0,0027	-0,0427	0,0	-0,0	0,0>>
31/	13	0,0454	-0,0210	-0,0407	0,0	-0,0	0,0<<
32/	11	0,1286>>	-0,0046	-0,0427	-0,0	-0,0	0,0
32/	7	-0,0007<<	-0,0022	-0,0283	0,0	0,0	0,0
32/	6	0,0204	0,0584>>	-0,0285	-0,0	-0,0	-0,0
32/	4	0,0195	-0,0588<<	-0,0248	0,0	-0,0	0,0
32/	16	0,0	-0,0014	0,0115>>	0,0	0,0	0,0
32/	1	0,1104	-0,0046	-0,0456<<	-0,0	-0,0	0,0
32/	4	0,0195	-0,0588	-0,0248	0,0>>	-0,0	0,0
32/	6	0,0204	0,0584	-0,0285	-0,0<<	-0,0	-0,0
32/	7	-0,0007	-0,0022	-0,0283	0,0	0,0>>	0,0
32/	8	0,1217	-0,0067	-0,0454	-0,0	-0,0<<	0,0
32/	10	0,0698	-0,0025	-0,0374	0,0	-0,0	0,0>>
32/	13	0,0646	-0,0156	-0,0356	0,0	-0,0	0,0<<
33/	11	0,1152>>	-0,0048	-0,0366	-0,0	-0,0	0,0
33/	7	0,0102<<	-0,0021	-0,0243	0,0	0,0	0,0
33/	6	0,0234	0,0385>>	-0,0244	-0,0	-0,0	-0,0
33/	4	0,0224	0,0388<<	-0,0212	0,0	-0,0	0,0
33/	16	0,0	-0,0011	0,0076>>	0,0	0,0	0,0
33/	1	0,1251	-0,0056	0,0077<<	-0,0	-0,0	0,0
33/	4	0,0224	-0,0388	-0,0212	0,0	-0,0	0,0
33/	6	0,0234	0,0385	-0,0244	0,0<<	-0,0	-0,0
33/	7	-0,0009	-0,0021	-0,0243	0,0	0,0>>	0,0
33/	8	0,1374	-0,0069	-0,0390	-0,0	0,0<<	0,0
33/	10	0,0836	-0,0022	-0,0320	0,0	-0,0	0,0>>
33/	13	0,0775	-0,0106	-0,0305	0,0	-0,0	0,0<<
34/	11	0,1524>>	-0,0049	-0,0305	0,0	-0,0	0,0
34/	7	0,0011<<	-0,0020	-0,0202	0,0	0,0	0,0
34/	6	0,0250	0,0297>>	-0,0203	-0,0	-0,0	-0,0
34/	4	0,0241	0,0296<<	-0,0177	0,0	-0,0	0,0

ROBOT v 13.5.0
Autor :
Dirección :

© RoboBAT 1985-2000
Archivo : ENCEPADO.rtd
Proyecto : ENCEPADO

Nudo/Caso		UX (cm)	UY (cm)	UZ (cm)	RX (Deg)	RY (Deg)	RZ (Deg)
34/	16	0,0	-0,0009	-0,0085>>	0,0	0,0	0,0
34/	1	0,1333	-0,0063	-0,0326<<	-0,0	-0,0	0,0
34/	4	0,0241	-0,0202	-0,0177	0,0>>	-0,0	0,0
34/	6	0,0250	0,0200	-0,0203	-0,0<<	-0,0	-0,0
34/	7	-0,0010	-0,0020	-0,0202	0,0	0,0>>	0,0
34/	10	0,0925	-0,0019	-0,0267	0,0	-0,0<<	0,0
34/	10	0,0925	-0,0019	-0,0267	0,0	-0,0	0,0>>
34/	13	0,0859	-0,0058	-0,0254	0,0	-0,0	-0,0<<
35/	11	0,1549>>	-0,0047	-0,0244	0,0	-0,0	0,0
35/	7	-0,0010<<	-0,0018	-0,0162	0,0	0,0	0,0
35/	6	0,0258	0,0027>>	-0,0163	-0,0	-0,0	-0,0
35/	1	0,1368	-0,0067<<	-0,0261	-0,0	-0,0	0,0
35/	16	0,0	-0,0007	-0,0069>>	0,0	0,0	0,0
35/	1	0,1368	-0,0067	-0,0261<<	-0,0	-0,0	0,0
35/	4	0,0250	-0,0028	-0,0142	0,0>>	-0,0	0,0
35/	6	0,0258	0,0027	-0,0163	-0,0<<	-0,0	-0,0
35/	7	-0,0010	-0,0018	-0,0162	0,0	0,0>>	0,0
35/	10	0,0979	-0,0015	-0,0214	0,0	-0,0<<	0,0
35/	10	0,0979	-0,0015	-0,0214	0,0	-0,0	0,0>>
35/	13	0,0910	-0,0014	-0,0203	0,0	-0,0	-0,0<<
36/	11	0,1546>>	-0,0045	-0,0183	0,0	0,0	0,0
36/	7	-0,0011<<	-0,0016	-0,0121	0,0	0,0	0,0
36/	4	0,0252	0,0137>>	-0,0106	0,0	-0,0	0,0
36/	6	0,0261	-0,0137<<	-0,0122	-0,0	-0,0	-0,0
36/	16	0,0	-0,0004	-0,0053>>	0,0	0,0	0,0
36/	1	0,1374	-0,0070	-0,0196<<	-0,0	0,0	0,0
36/	4	0,0252	0,0137	-0,0106	0,0>>	-0,0	0,0
36/	6	0,0261	-0,0137	-0,0122	-0,0<<	-0,0	-0,0
36/	11	0,1546	-0,0045	-0,0183	0,0	0,0>>	0,0
36/	10	0,1010	-0,0012	-0,0160	0,0	-0,0<<	0,0
36/	10	0,1010	-0,0012	-0,0160	0,0	-0,0	0,0>>
36/	13	0,0940	0,0029	-0,0152	0,0	-0,0	-0,0<<
37/	11	0,1524>>	-0,0042	-0,0122	0,0	0,0	0,0
37/	7	0,0011<<	-0,0014	-0,0081	0,0	0,0	0,0
37/	4	0,0252	0,0297>>	-0,0071	0,0	0,0	0,0
37/	6	0,0260	-0,0296<<	-0,0081	-0,0	0,0	-0,0
37/	16	0,0	-0,0002	0,0036>>	0,0	0,0	0,0
37/	1	0,1364	-0,0071	0,0130<<	-0,0	0,0	0,0
37/	4	0,0252	0,0297	-0,0071	0,0>>	0,0	0,0
37/	6	0,0260	-0,0296	-0,0081	0,0<<	0,0	-0,0
37/	11	0,1524	-0,0042	-0,0122	0,0	0,0>>	0,0
37/	10	0,1029	-0,0008	-0,0107	0,0	-0,0<<	0,0
37/	10	0,1029	-0,0008	-0,0107	0,0	-0,0	0,0>>
37/	13	0,0958	0,0070	-0,0102	0,0	-0,0	0,0<<
38/	11	0,1494>>	-0,0040	-0,0061	0,0	0,0	0,0
38/	7	0,0011<<	-0,0011	-0,0040	0,0	0,0	0,0
38/	4	0,0250	0,0453>>	-0,0035	0,0	0,0	0,0
38/	6	0,0258	0,0452<<	-0,0041	-0,0	0,0	-0,0
38/	16	0,0	0,0000	0,0008>>	0,0	0,0	0,0
38/	1	0,1346	-0,0073	0,0102<<	-0,0	0,0	0,0
38/	4	0,0250	0,0454	-0,0035	0,0>>	0,0	0,0
38/	6	0,0258	-0,0452	-0,0041	0,0<<	0,0	-0,0
38/	11	0,1494	-0,0040	-0,0061	0,0	0,0>>	0,0
38/	13	0,0971	0,0110	-0,0051	0,0	-0,0<<	-0,0
38/	10	0,1042	-0,0005	-0,0053	0,0	-0,0	0,0>>
38/	13	0,0971	0,0110	-0,0051	0,0	-0,0	0,0<<

ROBOT v 13.5.0
Autor :
Dirección :

© RoboBAT 1985-2000
Archivo : ENCEPADO.rtd
Proyecto : ENCEPADO

Desplazamientos - Casos: 1A16 : Extremos globales:

Filtrar	Nudo	Caso
Lista completa	1A38	1A16
Selección	1A38	1A16
Número total	38	16
Número seleccionado	38	16

	UX (cm)	UY (cm)	UZ (cm)	RX (Deg)	RY (Deg)	RZ (Deg)
MAX	0,1549	0,2454	0,0	0,0	0,0	0,0
Nudo	35	8	6	28	6	1
Caso	11	6	16	4	11	10
MIN	-1,0106	-0,2471	-0,1281	-0,0	-0,1	-0,0
Nudo	8	7	2	13	8	8
Caso	11	4	1	6	11	13

Para que el modelo utilizado sea valido se debe verificar que en ningún momento se supere el valor del empuje pasivo horizontal del terreno

$Ep = \tan^2(45 + \phi/2) = 3$

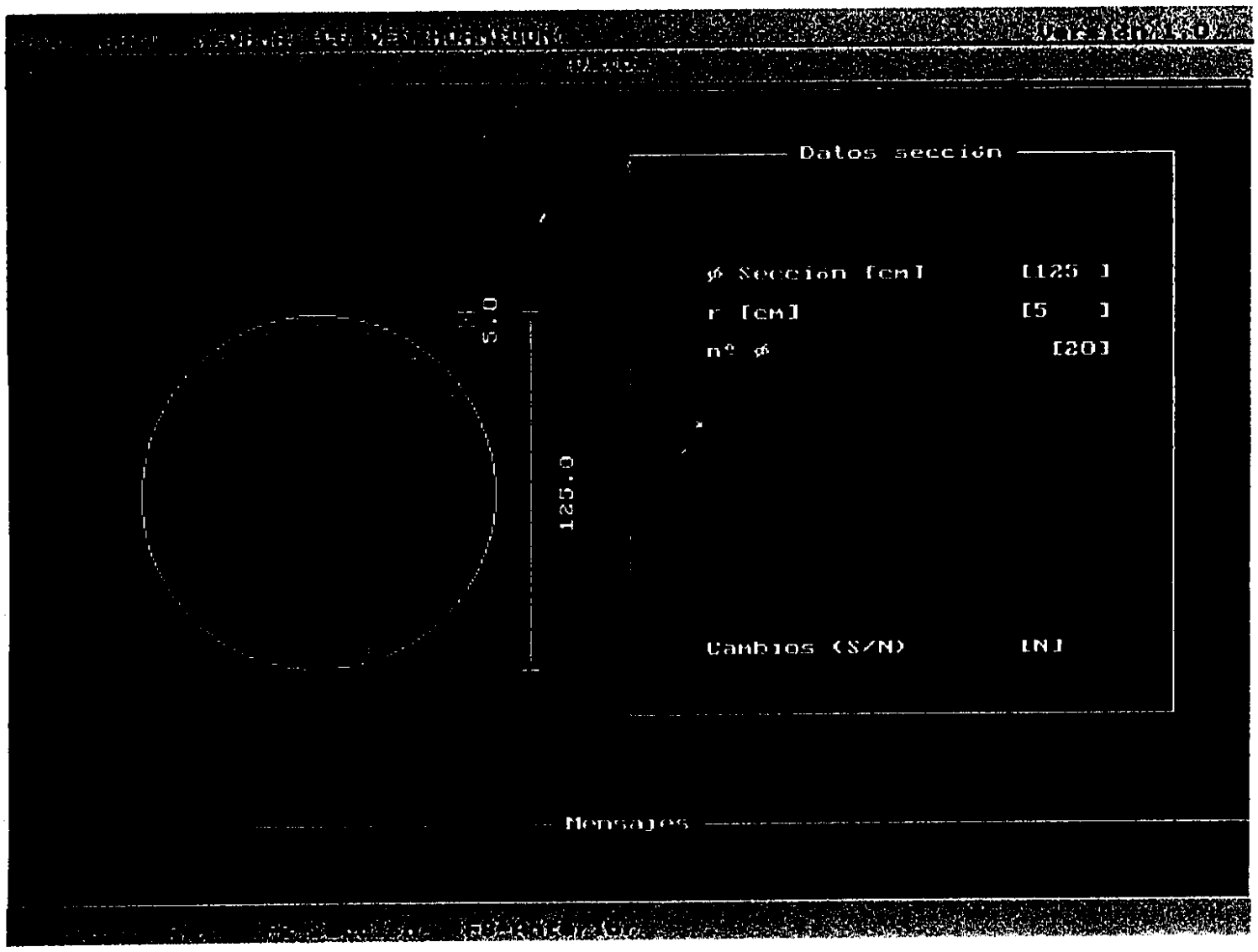
$Epi = 3.0 \times 2 \times 2 \times A = 12 \times 1.5 = 15\ T/m$

El máximo desplazamiento en pilotes es

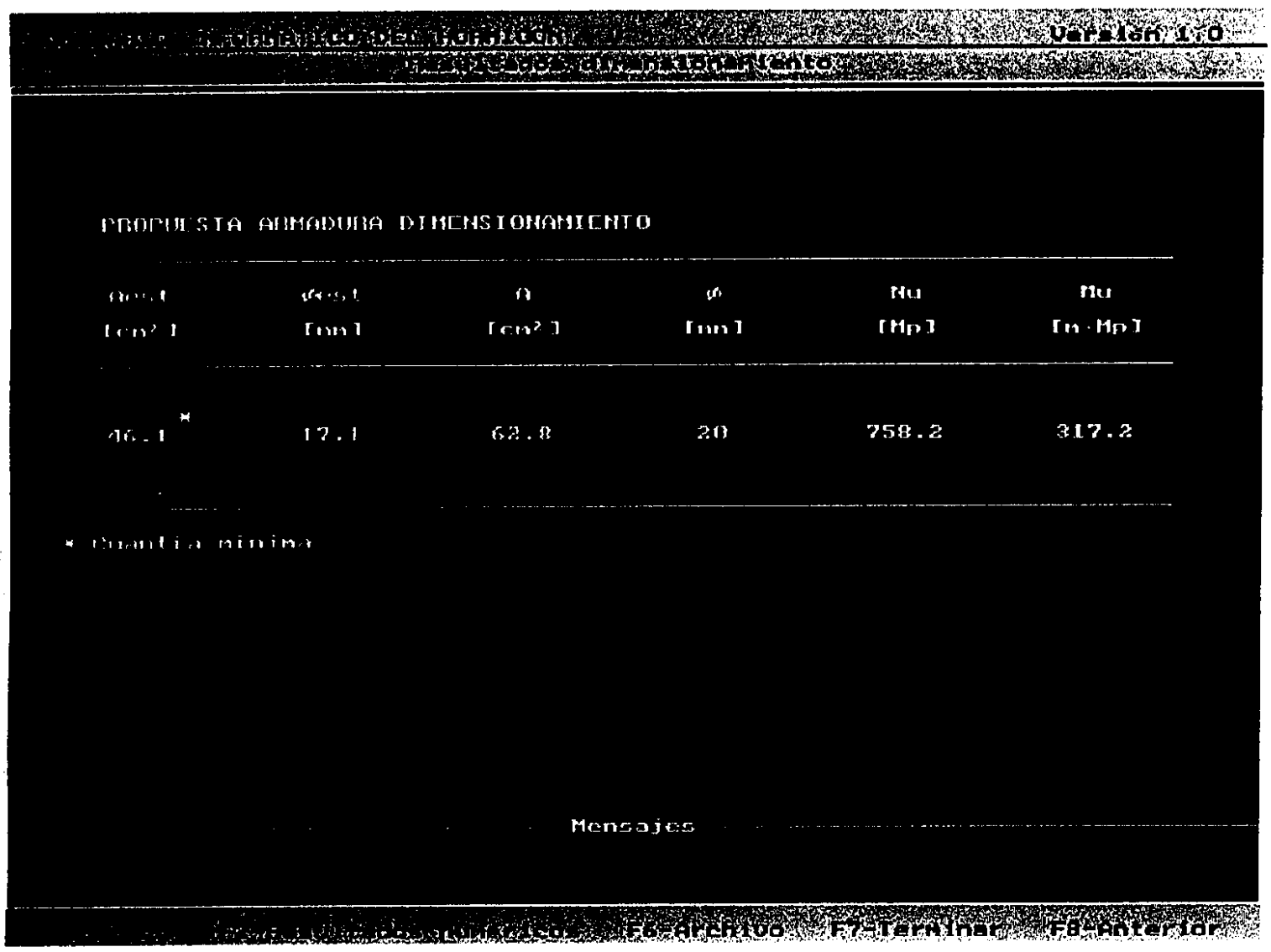
$Ux = 1.01\ cm$

$F = 0.01 \times 1250 = 12.50\ T/m < 15.00\ T/m$

EN NINGÚN MOMENTO SE SUPERA EL EMPUJE PASIVO DEL TERRENO



© RoboBAT 1985-2000
Archivo : ENCEPADO.rtd
Proyecto : ENCEPADO



6. ANEJO 1 REACCIONES EN BASE DE FUSTE

PROGRAMA: FUSTE VERSION: Mayo 1997

PROYECTO: 10648-MAYORAD F1

FECHA : JUNIO 2001
DATOS CONTENIDOS EN EL FICHERO 10648m1

----------MATERIALES----------

HormigÆn fck=350Kp/cm2 Yf=1.50 Acero fyk= 5100Kp/cm2 Ys=1.15

-----CARACTERàSTICAS DE LA PILA-----

ALTURA: 8.41 m

RIGIDEZ SEGUN x: 0ton/m RIGIDEZ SEGUN y: 0ton/m
FLEXIBILIDAD SEGUN x: 0.0000000rad/mt FLEXIBILIDAD SEGUN y: 0.0000000rad/mt

-----GEOMETRàA DE LA SECCIçN CAJçN-----

DIM. EXTERNAS DEL CAJON: EN LA BASE: 80 X 80 cm. EN CABEZA: 80 X 80cm.

ESPESORES: (BASE) Ex: 40cm, Ey: 40cm (CABEZA) Ex: 40cm, Ey: 40cm

RECUBRIMIENTO: DE LA ARMADURA EXTERIOR: 5cm. DE LA ARMADURA INTERIOR: 5cm.

--------ARMADURAS (cm2)-------

SECCION	EXTERIORES: SEGUN X	SEGUN Y	INTERIORES: SEGUN X	SEGUN Y
0	38.440	38.440	0.000	0.000
1	38.440	38.440	0.000	0.000
2	38.440	38.440	0.000	0.000
3	38.440	38.440	0.000	0.000
4	38.440	38.440	0.000	0.000
5	38.440	38.440	0.000	0.000
6	38.440	38.440	0.000	0.000
7	38.440	38.440	0.000	0.000
8	38.440	38.440	0.000	0.000
9	38.440	38.440	0.000	0.000
10	38.440	38.440	0.000	0.000

PROGRAMA: FUSTE VERSION: Mayo 1997

----------ACCIONES----------

CLR es la Carga Linealmente Repartida, en t/m, en 11 secciones
La primera seccion es la de la base, y la ultima la de la cabeza

HIPçTESIS	Fx	Fy	Fz	Mx1	My1	Gampp					
1	-8.500	.700	175.000	-1.560	-11.400	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	-8.500	-4.100	239.000	22.500	-26.500	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	-8.500	1.200	190.500	-5.200	-20.000	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	-1.740	-16.700	188.300	52.700	-5.100	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.32	.32	.32	.32	.32	.32	.32	.32	.32	.32	.32
5	-3.500	1.030	164.700	-5.600	-6.700	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.32	.32	.32	.32	.32	.32	.32	.32	.32	.32	.32
6	-1.740	18.800	141.000	-63.900	-5.100	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	-.32	-.32	-.32	-.32	-.32	-.32	-.32	-.32	-.32	-.32	-.32
7	.090	1.030	164.700	-5.600	-3.500	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	-.32	-.32	-.32	-.32	-.32	-.32	-.32	-.32	-.32	-.32	-.32
8	-9.100	.700	174.900	-1.560	-11.900	1.35					
CLR, X:	-.10	-.10	-.10	-.10	-.10	-.10	-.10	-.10	-.10	-.10	-.10
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	-8.500	-9.500	246.200	40.000	-26.540	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	-.10	-.10	-.10	-.10	-.10	-.10	-.10	-.10	-.10	-.10	-.10
10	-9.030	-4.100	239.100	22.500	-27.030	1.35					
CLR, X:	-.10	-.10	-.10	-.10	-.10	-.10	-.10	-.10	-.10	-.10	-.10
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	-9.030	1.200	190.500	-5.200	-20.500	1.35					
CLR, X:	-.10	-.10	-.10	-.10	-.10	-.10	-.10	-.10	-.10	-.10	-.10
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROGRAMA: FUSTE VERSION: Mayo 1997

HIPçTESIS	Fx	Fy	Fz	Mx1	My1	Gampp					
12	-8.500	6.000	167.800	-19.050	-11.400	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
13	-8.500	1.200	232.100	5.020	-26.500	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
14	-7.900	-4.100	239.100	22.500	-26.040	1.35					
CLR, X:	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	-8.500	6.500	183.400	-22.700	-20.040	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10

PROGRAMA: FUSTE (PICO) VERSION: Mayo 1997

COMPROBACION DE PILAS

RESULTADOS CORRESPONDIENTES A LOS DATOS CONTENIDOS EN EL FICHERO 10648m1

PROYECTO: 10648-MAYORAD F1

FECHA: JUNIO 2001

Dim. base : Lx = .80 m Ly = .80 m . Espesores ex = .40 m ey = .40 m
Dim. cabeza: Lx = .80 m Ly = .80 m . Espesores ex = .40 m ey = .40 m
MATERIALES . HormigÆn fck= 350 cm2. Yf=1.50 Acero fyk= 5100 cm2 Ys=1.15

DEFINICIONES

flch.x : FLECHA SEGUN EL EJE LONGITUDINAL (X) EN LA CABEZA DEL FUSTE
flch.y : FLECHA SEGUN EL EJE PERPENDICULAR (Y) EN LA CABEZA DEL FUSTE
Momx : MOMENTO DE EJE X, EN CABEZA DEL FUSTE
Momy : MOMENTO DE EJE Y, EN CABEZA DEL FUSTE
curv.x : CURVATURA SEGUN EJE X EN CABEZA DEL FUSTE
curv.y : CURVATURA SEGUN EJE Y EN CABEZA DEL FUSTE

HIPOTESIS 1 TANTEO 0

Fpx= -8.5 t Fpy= .7 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	4.3	-83.0	193.2	.932	-16.672
1	-.001	0.000	3.7	-75.7	191.3	.899	-17.581
2	-.002	0.000	3.1	-68.2	189.5	.768	-16.259
3	-.005	0.000	2.5	-60.5	187.7	.602	-13.999
4	-.009	0.000	1.9	-52.6	185.9	.431	-11.450
5	-.014	.001	1.3	-44.6	184.1	.269	-8.904
6	-.020	.001	.6	-36.5	182.3	.269	-6.526
7	-.025	.001	-0.0	-28.4	180.5	.269	-4.444
8	-.032	.001	-.6	-20.2	178.6	.269	-2.767
9	-.038	.002	-1.3	-11.9	176.8	-.167	-1.559
10	-.045	.002	-1.9	-3.7	175.0	-.250	-.481

EXCENTRICIDADES RESULTANTES CABEZA -.0210555007466 -.0109646498236
EXCENTRICIDADES 1 ORDEN CABEZA -.0651428571429 -.00891428571429

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	4.7	-91.7	193.2	1.139	-21.230
1	-.001	0.000	4.1	-84.4	191.3	1.014	-20.042
2	-.003	0.000	3.5	-76.7	189.5	.843	-17.686
3	-.006	0.000	2.9	-68.9	187.7	.661	-14.922
4	-.011	.001	2.3	-60.8	185.9	.483	-12.082
5	-.016	.001	1.6	-52.6	184.1	.318	-9.359
6	-.022	.001	1.0	-44.3	182.3	.318	-6.912
7	-.029	.001	.3	-35.9	180.5	.318	-4.914
8	-.035	.002	-.3	-27.4	178.6	.318	-3.584
9	-.043	.002	-1.0	-18.9	176.8	.318	-2.474
10	-.050	.002	-1.6	-10.5	175.0	-.211	-1.368

EXCENTRICIDADES RESULTANTES CABEZA -.0598815639838 -.00923618500725
EXCENTRICIDADES 1 ORDEN CABEZA -.0651428571429 -.00891428571429

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	4.8	-92.0	193.2	1.240	-23.563
1	-.001	0.000	4.2	-84.7	191.3	1.067	-21.257
2	-.003	0.000	3.6	-77.1	189.5	.875	-18.426

3	-.007	0.000	2.9	-69.3	187.7	.684	-15.438
4	-.012	.001	2.3	-61.2	185.9	.500	-12.467
5	-.017	.001	1.7	-53.0	184.1	.331	-9.654
6	-.023	.001	1.0	-44.7	182.3	.182	-7.153
7	-.030	.001	.4	-36.3	180.5	.182	-5.128
8	-.037	.002	-.3	-27.9	178.6	.182	-3.674
9	-.045	.002	-.9	-19.4	176.8	.182	-2.537
10	-.052	.002	-1.6	-10.9	175.0	-.204	-1.427

EXCENTRICIDADES RESULTANTES CABEZA -.0624720285304 -.0089282250453
EXCENTRICIDADES 1 ORDEN CABEZA -.0651428571429 -.00891428571429

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	4.8	-92.5	193.2	1.281	-24.677
1	-.001	0.000	4.2	-85.2	191.3	1.086	-21.881
2	-.003	0.000	3.6	-77.5	189.5	.887	-18.853
3	-.007	0.000	2.9	-69.7	187.7	.691	-15.764
4	-.012	.001	2.3	-61.6	185.9	.505	-12.726
5	-.018	.001	1.7	-53.4	184.1	.334	-9.858
6	-.024	.001	1.0	-45.1	182.3	.183	-7.311
7	-.031	.001	.4	-36.6	180.5	.183	-5.242
8	-.038	.002	-.3	-28.2	178.6	.183	-3.718
9	-.046	.002	-.9	-19.7	176.8	.183	-2.569
10	-.054	.002	-1.6	-11.1	175.0	-.205	-1.455

EXCENTRICIDADES RESULTANTES CABEZA -.0636888639752 -.00895628850733
EXCENTRICIDADES 1 ORDEN CABEZA -.0651428571429 -.00891428571429

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	4.8	-92.7	193.2	1.303	-25.187
1	-.001	0.000	4.2	-85.4	191.3	1.099	-22.201
2	-.003	0.000	3.6	-77.8	189.5	.895	-19.094
3	-.007	0.000	2.9	-69.9	187.7	.698	-15.961
4	-.012	.001	2.3	-61.8	185.9	.510	-12.889
5	-.018	.001	1.7	-53.6	184.1	.338	-9.990
6	-.025	.001	1.0	-45.3	182.3	.186	-7.410
7	-.032	.001	.4	-36.8	180.5	.186	-5.306
8	-.039	.002	-.3	-28.3	178.6	.186	-3.744
9	-.047	.002	-.9	-19.8	176.8	.186	-2.587
10	-.055	.002	-1.6	-11.3	175.0	-.204	-1.470

EXCENTRICIDADES RESULTANTES CABEZA -.0643630134122 -.00894292939695
EXCENTRICIDADES 1 ORDEN CABEZA -.0651428571429 -.00891428571429

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	4.8	-92.9	193.2	1.312	-25.421
1	-.001	0.000	4.2	-85.5	191.3	1.105	-22.364
2	-.003	0.000	3.6	-77.9	189.5	.900	-19.226
3	-.007	0.000	2.9	-70.0	187.7	.702	-16.075
4	-.012	.001	2.3	-62.0	185.9	.513	-12.988
5	-.018	.001	1.7	-53.7	184.1	.340	-10.071
6	-.025	.001	1.0	-45.4	182.3	.188	-7.470
7	-.032	.001	.4	-36.9	180.5	.188	-5.342
8	-.039	.002	-.3	-28.4	178.6	.188	-3.759
9	-.047	.002	-.9	-19.9	176.8	.188	-2.597
10	-.055	.003	-1.6	-11.3	175.0	-.204	-1.479

EXCENTRICIDADES RESULTANTES CABEZA -.0647265245944 -.00893004861262
EXCENTRICIDADES 1 ORDEN CABEZA -.0651428571429 -.00891428571429

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	4.8	-92.9	193.2	1.317	-25.531
1	-.001	0.000	4.2	-85.6	191.3	1.108	-22.447
2	-.003	0.000	3.6	-78.0	189.5	.903	-19.298
3	-.007	0.000	2.9	-70.1	187.7	.704	-16.140
4	-.012	.001	2.3	-62.0	185.9	.515	-13.046
5	-.018	.001	1.7	-53.8	184.1	.342	-10.120
6	-.025	.001	1.0	-45.4	182.3	.189	-7.505
7	-.032	.001	.4	-37.0	180.5	.189	-5.362
8	-.040	.002	-.3	-28.5	178.6	.189	-3.767
9	-.047	.002	-.9	-19.9	176.8	.189	-2.602
10	-.055	.003	-1.6	-11.4	175.0	-.204	-1.483

EXCENTRICIDADES RESULTANTES CABEZA -.064920934391 -.00892264074444
EXCENTRICIDADES 1 ORDEN CABEZA -.0651428571429 -.00891428571429

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	4.8	-93.0	193.2	1.319	-25.582
1	-.001	0.000	4.2	-85.6	191.3	1.110	-22.490
2	-.003	0.000	3.6	-78.0	189.5	.904	-19.337
3	-.007	0.000	2.9	-70.1	187.7	.705	-16.176
4	-.012	.001	2.3	-62.0	185.9	.516	-13.079
5	-.018	.001	1.7	-53.8	184.1	.342	-10.148
6	-.025	.001	1.0	-45.4	182.3	.189	-7.526
7	-.032	.001	.4	-37.0	180.5	.189	-5.371
8	-.040	.002	-.3	-28.5	178.6	.189	-3.772
9	-.047	.002	-.9	-19.9	176.8	.189	-2.605
10	-.055	.003	-1.6	-11.4	175.0	-.204	-1.485

EXCENTRICIDADES RESULTANTES CABEZA -.0650247701033 -.008918703461
EXCENTRICIDADES 1 ORDEN CABEZA -.0651428571429 -.00891428571429

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	4.8	-93.0	193.2	1.320	-25.608
1	-.001	0.000	4.2	-85.7	191.3	1.111	-22.512
2	-.003	0.000	3.6	-78.0	189.5	.905	-19.358
3	-.007	0.000	2.9	-70.2	187.7	.706	-16.196
4	-.012	.001	2.3	-62.1	185.9	.517	-13.098
5	-.018	.001	1.7	-53.8	184.1	.343	-10.164
6	-.025	.001	1.0	-45.5	182.3	.189	-7.537
7	-.032	.001	.4	-37.0	180.5	.189	-5.378
8	-.040	.002	-.3	-28.5	178.6	.189	-3.774
9	-.047	.002	-.9	-19.9	176.8	.189	-2.606
10	-.056	.003	-1.6	-11.4	175.0	-.204	-1.487

EXCENTRICIDADES RESULTANTES CABEZA -.0650794955805 -.0089166291086
EXCENTRICIDADES 1 ORDEN CABEZA -.0651428571429 -.00891428571429
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 2 TANTEO 0

Fpx= -8.5 t Fpy= -4.1 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-12.0	-98.1	257.2	-2.547	-19.028
1	-.001	-0.000	-8.5	-90.8	255.3	-2.016	-20.086
2	-.003	-0.000	-5.0	-83.1	253.5	-1.211	-18.862
3	-.006	-.001	-1.5	-75.1	251.7	-.352	-16.600
4	-.011	-.001	2.0	-66.8	249.9	.462	-13.965
5	-.016	-.001	5.6	-58.3	248.1	1.181	-11.297
6	-.023	-.002	9.1	-49.6	246.3	1.777	-8.772
7	-.030	-.002	12.5	-40.8	244.5	2.229	-6.523
8	-.037	-.002	16.0	-31.9	242.6	2.523	-4.659
9	-.045	-.001	19.4	-22.9	240.8	2.750	-3.183
10	-.053	-.001	22.7	-13.9	239.0	3.076	-1.880

EXCENTRICIDADES RESULTANTES CABEZA -.0581831330462 .0949989994417
EXCENTRICIDADES 1 ORDEN CABEZA -.110878661088 .0941422594142

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-12.2	-111.9	257.2	-2.889	-24.707
1	-.001	-0.000	-8.8	-104.5	255.3	-2.111	-23.656
2	-.003	-0.000	-5.2	-96.6	253.5	-1.237	-21.295
3	-.007	-.001	-1.7	-88.3	251.7	-.384	-18.411
4	-.013	-.001	1.8	-79.7	249.9	.389	-15.410
5	-.019	-.001	5.4	-70.9	248.1	1.050	-12.502
6	-.027	-.002	8.9	-61.8	246.3	1.575	-9.866
7	-.035	-.002	12.4	-52.6	244.5	1.949	-7.677
8	-.043	-.002	15.8	-43.3	242.6	2.245	-6.007
9	-.052	-.002	19.2	-33.9	240.8	2.605	-4.584
10	-.062	-.001	22.6	-24.5	239.0	3.020	-3.272

EXCENTRICIDADES RESULTANTES CABEZA -.102440229656 .0945972982021
EXCENTRICIDADES 1 ORDEN CABEZA -.110878661088 .0941422594142

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-12.3	-113.3	257.2	-3.204	-28.028
1	-.001	-0.000	-8.9	-105.8	255.3	-2.266	-25.744
2	-.004	-0.000	-5.3	-98.0	253.5	-1.316	-22.792
3	-.008	-.001	-1.8	-89.7	251.7	-.421	-19.597
4	-.014	-.001	1.8	-81.1	249.9	.385	-16.384
5	-.021	-.002	5.3	-72.2	248.1	1.076	-13.311
6	-.029	-.002	8.8	-63.0	246.3	1.638	-10.534
7	-.038	-.002	12.3	-53.8	244.5	2.072	-8.201
8	-.047	-.002	15.8	-44.4	242.6	2.408	-6.361
9	-.056	-.002	19.2	-34.9	240.8	2.719	-4.840
10	-.067	-.002	22.5	-25.3	239.0	3.077	-3.448

EXCENTRICIDADES RESULTANTES CABEZA -.105872945284 .0943328988142
EXCENTRICIDADES 1 ORDEN CABEZA -.110878661088 .0941422594142

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-12.4	-114.4	257.2	-3.364	-29.857
1	-.001	-0.000	-8.9	-107.0	255.3	-2.347	-26.983
2	-.004	-0.000	-5.4	-99.1	253.5	-1.359	-23.756
3	-.009	-.001	-1.8	-90.8	251.7	-.439	-20.400
4	-.015	-.001	1.7	-82.1	249.9	.386	-17.061
5	-.022	-.002	5.3	-73.1	248.1	1.096	-13.874
6	-.030	-.002	8.8	-63.9	246.3	1.676	-10.983
7	-.039	-.002	12.3	-54.5	244.5	2.126	-8.526
8	-.049	-.002	15.7	-45.0	242.6	2.463	-6.564
9	-.059	-.002	19.2	-35.4	240.8	2.757	-4.967
10	-.070	-.002	22.5	-25.8	239.0	3.094	-3.529

EXCENTRICIDADES RESULTANTES CABEZA -.107780950733 .0942433882058
EXCENTRICIDADES 1 ORDEN CABEZA -.110878661088 .0941422594142

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-12.4	-115.2	257.2	-3.448	-30.847
1	-.001	-0.000	-8.9	-107.7	255.3	-2.394	-27.711
2	-.004	-0.000	-5.4	-99.8	253.5	-1.385	-24.359
3	-.009	-.001	-1.9	-91.4	251.7	-.450	-20.923
4	-.015	-.001	1.7	-82.7	249.9	.388	-17.514
5	-.023	-.002	5.2	-73.7	248.1	1.110	-14.253
6	-.031	-.002	8.8	-64.4	246.3	1.701	-11.279
7	-.040	-.002	12.3	-55.0	244.5	2.158	-8.731
8	-.050	-.002	15.7	-45.4	242.6	2.494	-6.683
9	-.061	-.002	19.1	-35.8	240.8	2.776	-5.039
10	-.072	-.002	22.5	-26.0	239.0	3.101	-3.576

EXCENTRICIDADES RESULTANTES CABEZA -.108989097482 .0941965264491
EXCENTRICIDADES 1 ORDEN CABEZA -.110878661088 .0941422594142

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-12.4	-115.6	257.2	-3.493	-31.381
1	-.001	-0.000	-8.9	-108.2	255.3	-2.420	-28.136
2	-.004	-0.000	-5.4	-100.2	253.5	-1.401	-24.730
3	-.009	-.001	-1.9	-91.8	251.7	-.457	-21.255
4	-.015	-.001	1.7	-83.1	249.9	.390	-17.808
5	-.023	-.002	5.2	-74.1	248.1	1.120	-14.500
6	-.032	-.002	8.8	-64.8	246.3	1.717	-11.471
7	-.041	-.002	12.3	-55.3	244.5	2.177	-8.860
8	-.051	-.002	15.7	-45.7	242.6	2.512	-6.756
9	-.062	-.002	19.1	-36.0	240.8	2.786	-5.082
10	-.073	-.002	22.5	-26.2	239.0	3.105	-3.605

EXCENTRICIDADES RESULTANTES CABEZA -.109737449312 .0941707318952
EXCENTRICIDADES 1 ORDEN CABEZA -.110878661088 .0941422594142

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-12.4	-115.9	257.2	-3.517	-31.674
1	-.001	-0.000	-8.9	-108.4	255.3	-2.435	-28.384
2	-.004	-0.000	-5.4	-100.5	253.5	-1.410	-24.955
3	-.009	-.001	-1.9	-92.1	251.7	-.461	-21.462
4	-.016	-.001	1.7	-83.3	249.9	.391	-17.993
5	-.023	-.002	5.2	-74.3	248.1	1.126	-14.658
6	-.032	-.002	8.8	-65.0	246.3	1.728	-11.593
7	-.041	-.002	12.3	-55.5	244.5	2.190	-8.941
8	-.052	-.002	15.7	-45.9	242.6	2.523	-6.801
9	-.062	-.002	19.1	-36.1	240.8	2.793	-5.110
10	-.073	-.002	22.5	-26.3	239.0	3.108	-3.623

EXCENTRICIDADES RESULTANTES CABEZA -.110192632748 .0941568401553
EXCENTRICIDADES 1 ORDEN CABEZA -.110878661088 .0941422594142

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-12.4	-116.0	257.2	-3.529	-31.836
1	-.001	-0.000	-8.9	-108.6	255.3	-2.444	-28.530
2	-.004	-0.000	-5.4	-100.6	253.5	-1.415	-25.091
3	-.009	-.001	-1.9	-92.2	251.7	-.463	-21.589
4	-.016	-.001	1.7	-83.5	249.9	.392	-18.109
5	-.023	-.002	5.2	-74.4	248.1	1.131	-14.757
6	-.032	-.002	8.8	-65.1	246.3	1.735	-11.669
7	-.042	-.002	12.3	-55.6	244.5	2.198	-8.991
8	-.052	-.002	15.7	-45.9	242.6	2.530	-6.829
9	-.063	-.002	19.1	-36.2	240.8	2.797	-5.126
10	-.074	-.002	22.5	-26.4	239.0	3.110	-3.634

EXCENTRICIDADES RESULTANTES CABEZA -.110467222631 .0941497373356
EXCENTRICIDADES 1 ORDEN CABEZA -.110878661088 .0941422594142

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-12.4	-116.1	257.2	-3.536	-31.928
1	-.001	-0.000	-8.9	-108.7	255.3	-2.449	-28.615
2	-.004	-0.000	-5.4	-100.7	253.5	-1.418	-25.173
3	-.009	-.001	-1.9	-92.3	251.7	-.465	-21.667
4	-.016	-.001	1.7	-83.6	249.9	.393	-18.180
5	-.023	-.002	5.2	-74.5	248.1	1.133	-14.819
6	-.032	-.002	8.8	-65.2	246.3	1.739	-11.717
7	-.042	-.002	12.3	-55.7	244.5	2.203	-9.022
8	-.052	-.002	15.7	-46.0	242.6	2.533	-6.845
9	-.063	-.002	19.1	-36.3	240.8	2.799	-5.135
10	-.074	-.002	22.5	-26.4	239.0	3.111	-3.640

EXCENTRICIDADES RESULTANTES CABEZA -.11063229172 .094146206707
EXCENTRICIDADES 1 ORDEN CABEZA -.110878661088 .0941422594142

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-12.4	-116.2	257.2	-3.540	-31.981
1	-.001	-0.000	-8.9	-108.7	255.3	-2.452	-28.666
2	-.004	-0.000	-5.4	-100.8	253.5	-1.420	-25.222
3	-.009	-.001	-1.9	-92.4	251.7	-.465	-21.714
4	-.016	-.001	1.7	-83.6	249.9	.393	-18.224
5	-.023	-.002	5.2	-74.5	248.1	1.135	-14.856
6	-.032	-.002	8.8	-65.2	246.3	1.742	-11.746
7	-.042	-.002	12.3	-55.7	244.5	2.205	-9.038
8	-.052	-.002	15.7	-46.0	242.6	2.536	-6.856
9	-.063	-.002	19.1	-36.3	240.8	2.800	-5.141
10	-.074	-.002	22.5	-26.5	239.0	3.112	-3.644

EXCENTRICIDADES RESULTANTES CABEZA -.11073157269 .0941443943524
EXCENTRICIDADES 1 ORDEN CABEZA -.110878661088 .0941422594142

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-12.4	-116.2	257.2	-3.543	-32.012
1	-.001	-0.000	-8.9	-108.8	255.3	-2.453	-28.696
2	-.004	-0.000	-5.4	-100.8	253.5	-1.421	-25.251
3	-.009	-.001	-1.9	-92.4	251.7	-.466	-21.742
4	-.016	-.001	1.7	-83.7	249.9	.393	-18.250
5	-.024	-.002	5.2	-74.6	248.1	1.136	-14.879
6	-.032	-.002	8.8	-65.2	246.3	1.743	-11.764
7	-.042	-.002	12.3	-55.7	244.5	2.207	-9.051
8	-.052	-.002	15.7	-46.1	242.6	2.538	-6.862
9	-.063	-.002	19.1	-36.3	240.8	2.801	-5.145
10	-.074	-.002	22.5	-26.5	239.0	3.112	-3.647

EXCENTRICIDADES RESULTANTES CABEZA -.110789989069 .0941432994959
EXCENTRICIDADES 1 ORDEN CABEZA -.110878661088 .0941422594142

CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 3 TANTEO 0

Fpx= -8.5 t Fpy= 1.2 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	4.9	-91.6	208.7	1.070	-18.658
1	-.001	0.000	3.9	-84.3	206.8	.953	-19.955
2	-.003	0.000	2.8	-76.7	205.0	.717	-18.744
3	-.006	0.000	1.8	-68.9	203.2	.447	-16.443
4	-.011	0.000	.8	-60.8	201.4	.447	-13.768
5	-.016	.001	-.3	-52.6	199.6	.447	-11.042
6	-.023	.001	-1.3	-44.2	197.8	-.278	-8.433
7	-.029	.001	-2.4	-35.8	196.0	-.449	-6.064
8	-.037	.001	-3.4	-27.3	194.1	-.568	-4.052
9	-.044	.002	-4.5	-18.7	192.3	-.627	-2.499
10	-.052	.002	-5.5	-10.1	190.5	-.723	-1.330

EXCENTRICIDADES RESULTANTES CABEZA -.0532076792335 -.0289343780834
EXCENTRICIDADES 1 ORDEN CABEZA -.10498687664 -.0272965879265

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	5.3	-102.7	208.7	1.288	-24.232
1	-.001	0.000	4.2	-95.3	206.8	1.063	-23.202
2	-.003	0.000	3.2	-87.5	205.0	.787	-20.818
3	-.007	0.000	2.1	-79.5	203.2	.507	-17.921
4	-.013	.001	1.1	-71.2	201.4	.242	-14.882
5	-.019	.001	0.0	-62.7	199.6	.242	-11.899
6	-.026	.001	-1.0	-54.0	197.8	-.192	-9.118
7	-.034	.001	-2.1	-45.2	196.0	-.343	-6.701
8	-.042	.001	-3.1	-36.4	194.1	-.438	-4.853
9	-.051	.002	-4.2	-27.5	192.3	-.550	-3.611
10	-.059	.002	-5.2	-18.6	190.5	-.685	-2.443

EXCENTRICIDADES RESULTANTES CABEZA -.0977469071444 -.0274241350308
EXCENTRICIDADES 1 ORDEN CABEZA -.10498687664 -.0272965879265

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	5.3	-103.3	208.7	1.405	-27.183
1	-.001	0.000	4.2	-96.0	206.8	1.118	-24.881
2	-.004	0.000	3.2	-88.3	205.0	.816	-21.944
3	-.008	0.000	2.1	-80.2	203.2	.522	-18.782
4	-.014	.001	1.1	-71.9	201.4	.250	-15.575
5	-.020	.001	0.0	-63.4	199.6	.250	-12.460
6	-.028	.001	-1.0	-54.8	197.8	-.197	-9.571
7	-.036	.001	-2.1	-46.0	196.0	-.357	-7.074
8	-.045	.002	-3.1	-37.1	194.1	-.472	-5.130
9	-.054	.002	-4.2	-28.2	192.3	-.561	-3.720
10	-.063	.002	-5.2	-19.3	190.5	-.685	-2.526

EXCENTRICIDADES RESULTANTES CABEZA -.101065145402 -.0273928645348
EXCENTRICIDADES 1 ORDEN CABEZA -.10498687664 -.0272965879265

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	5.3	-104.1	208.7	1.464	-28.633
1	-.001	0.000	4.2	-96.7	206.8	1.149	-25.770
2	-.004	0.000	3.2	-89.0	205.0	.835	-22.607
3	-.008	0.000	2.2	-80.9	203.2	.535	-19.325
4	-.014	.001	1.1	-72.6	201.4	.257	-16.034
5	-.021	.001	0.0	-64.0	199.6	.257	-12.843
6	-.029	.001	-1.0	-55.3	197.8	-.199	-9.879
7	-.037	.001	-2.1	-46.5	196.0	-.363	-7.308
8	-.046	.002	-3.1	-37.6	194.1	-.481	-5.275
9	-.056	.002	-4.2	-28.6	192.3	-.565	-3.779
10	-.066	.002	-5.2	-19.6	190.5	-.684	-2.569

EXCENTRICIDADES RESULTANTES CABEZA -.102771543605 -.0273564612975
EXCENTRICIDADES 1 ORDEN CABEZA -.10498687664 -.0272965879265

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	5.3	-104.5	208.7	1.492	-29.317
1	-.001	0.000	4.3	-97.1	206.8	1.165	-26.240
2	-.004	0.000	3.2	-89.4	205.0	.846	-22.987
3	-.008	0.000	2.2	-81.3	203.2	.542	-19.654
4	-.014	.001	1.1	-72.9	201.4	.262	-16.323
5	-.021	.001	.1	-64.4	199.6	.262	-13.090
6	-.029	.001	-1.0	-55.6	197.8	-.200	-10.078
7	-.038	.001	-2.1	-46.8	196.0	-.366	-7.453
8	-.047	.002	-3.1	-37.8	194.1	-.486	-5.357
9	-.057	.002	-4.2	-28.8	192.3	-.567	-3.813
10	-.067	.002	-5.2	-19.8	190.5	-.683	-2.594

EXCENTRICIDADES RESULTANTES CABEZA -.103756828733 -.0273290399288
EXCENTRICIDADES 1 ORDEN CABEZA -.10498687664 -.0272965879265

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	5.3	-104.7	208.7	1.506	-29.645
1	-.001	0.000	4.3	-97.3	206.8	1.173	-26.487
2	-.004	0.000	3.2	-89.6	205.0	.852	-23.199
3	-.009	0.000	2.2	-81.5	203.2	.547	-19.847
4	-.015	.001	1.1	-73.1	201.4	.265	-16.498
5	-.022	.001	.1	-64.6	199.6	.265	-13.243
6	-.030	.001	-1.0	-55.8	197.8	-.200	-10.202
7	-.038	.001	-2.1	-46.9	196.0	-.368	-7.540
8	-.048	.002	-3.1	-38.0	194.1	-.489	-5.403
9	-.058	.002	-4.2	-28.9	192.3	-.568	-3.833
10	-.068	.002	-5.2	-19.9	190.5	-.683	-2.608

EXCENTRICIDADES RESULTANTES CABEZA -.104308069596 -.0273135298858
EXCENTRICIDADES 1 ORDEN CABEZA -.10498687664 -.0272965879265

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	5.3	-104.8	208.7	1.512	-29.804
1	-.001	0.000	4.3	-97.5	206.8	1.178	-26.618
2	-.004	0.000	3.2	-89.7	205.0	.855	-23.318
3	-.009	0.000	2.2	-81.6	203.2	.549	-19.958
4	-.015	.001	1.1	-73.3	201.4	.267	-16.601
5	-.022	.001	.1	-64.7	199.6	.267	-13.335
6	-.030	.001	-1.0	-55.9	197.8	.267	-10.277
7	-.039	.001	-2.1	-47.0	196.0	-.371	-7.591
8	-.048	.002	-3.1	-38.0	194.1	-.492	-5.430
9	-.058	.002	-4.2	-29.0	192.3	-.572	-3.844
10	-.068	.002	-5.2	-19.9	190.5	-.686	-2.615

EXCENTRICIDADES RESULTANTES CABEZA -.10461329807 -.0274368541634
EXCENTRICIDADES 1 ORDEN CABEZA -.10498687664 -.0272965879265

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	5.3	-104.9	208.7	1.523	-29.883
1	-.001	0.000	4.3	-97.5	206.8	1.188	-26.687
2	-.004	0.000	3.3	-89.8	205.0	.864	-23.383
3	-.009	0.000	2.2	-81.7	203.2	.557	-20.020
4	-.015	.001	1.2	-73.3	201.4	.274	-16.661
5	-.022	.001	.1	-64.7	199.6	.274	-13.389
6	-.030	.001	-1.0	-56.0	197.8	.274	-10.321
7	-.039	.001	-2.0	-47.1	196.0	-.367	-7.621
8	-.048	.002	-3.1	-38.1	194.1	-.489	-5.443
9	-.058	.002	-4.2	-29.0	192.3	-.569	-3.850
10	-.068	.002	-5.2	-20.0	190.5	-.683	-2.619

EXCENTRICIDADES RESULTANTES CABEZA -.104781307599 -.0273247502655
EXCENTRICIDADES 1 ORDEN CABEZA -.10498687664 -.0272965879265

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	5.3	-104.9	208.7	1.526	-29.924
1	-.001	0.000	4.3	-97.6	206.8	1.190	-26.724
2	-.004	0.000	3.3	-89.8	205.0	.866	-23.419
3	-.009	0.000	2.2	-81.7	203.2	.559	-20.056
4	-.015	.001	1.2	-73.3	201.4	.275	-16.695
5	-.022	.001	.1	-64.8	199.6	.275	-13.420
6	-.030	.001	-1.0	-56.0	197.8	.275	-10.347

7	-.039	.001	-2.0	-47.1	196.0	-.367	-7.638
8	-.048	.002	-3.1	-38.1	194.1	-.489	-5.452
9	-.058	.002	-4.2	-29.1	192.3	-.569	-3.853
10	-.068	.002	-5.2	-20.0	190.5	-.682	-2.622

EXCENTRICIDADES RESULTANTES CABEZA -.104873277468 -.0273020573069
EXCENTRICIDADES 1 ORDEN CABEZA -.10498687664 -.0272965879265

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	5.3	-105.0	208.7	1.526	-29.945
1	-.001	0.000	4.3	-97.6	206.8	1.191	-26.744
2	-.004	0.000	3.3	-89.8	205.0	.867	-23.439
3	-.009	0.000	2.2	-81.7	203.2	.560	-20.075
4	-.015	.001	1.2	-73.4	201.4	.275	-16.714
5	-.022	.001	.1	-64.8	199.6	.275	-13.438
6	-.030	.001	-1.0	-56.0	197.8	.275	-10.362
7	-.039	.001	-2.0	-47.1	196.0	-.367	-7.646
8	-.048	.002	-3.1	-38.1	194.1	-.489	-5.457
9	-.058	.002	-4.2	-29.1	192.3	-.569	-3.855
10	-.068	.002	-5.2	-20.0	190.5	-.682	-2.623

EXCENTRICIDADES RESULTANTES CABEZA -.104924735117 -.0272983287696
EXCENTRICIDADES 1 ORDEN CABEZA -.10498687664 -.0272965879265
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 4 TANTEO 0

Fpx= -1.74 t Fpy= -16.7 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-76.5	-19.8	206.5	-14.580	-4.070
1	-0.000	-.001	-64.5	-18.3	204.6	-13.929	-4.155
2	-.001	-.002	-52.1	-16.7	202.8	-11.076	-3.752
3	-.001	-.004	-39.3	-15.1	201.0	-7.591	-3.134
4	-.002	-.007	-26.2	-13.5	199.2	-4.336	-2.428
5	-.003	-.010	-12.8	-11.8	197.4	-1.800	-1.723
6	-.005	-.014	.9	-10.1	195.6	-1.800	-1.326
7	-.006	-.017	14.8	-8.4	193.8	1.940	-1.101
8	-.007	-.020	28.8	-6.7	191.9	3.786	-.875
9	-.009	-.023	43.1	-4.9	190.1	5.735	-.678
10	-.010	-.026	57.5	-3.2	188.3	8.458	-.522

EXCENTRICIDADES RESULTANTES CABEZA -.0170004849214 .305183458371
EXCENTRICIDADES 1 ORDEN CABEZA -.0270844397238 .279872543813

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-81.9	-21.9	206.5	-17.625	-4.971
1	-0.000	-.001	-69.8	-20.4	204.6	-14.800	-4.566
2	-.001	-.002	-57.3	-18.8	202.8	-11.040	-3.889
3	-.001	-.005	-44.4	-17.2	201.0	-7.344	-3.086
4	-.002	-.008	-31.2	-15.5	199.2	-4.401	-2.257
5	-.004	-.011	-17.7	-13.8	197.4	-2.332	-1.811
6	-.005	-.014	-4.0	-12.0	195.6	-.524	-1.582
7	-.006	-.018	10.0	-10.3	193.8	1.312	-1.351
8	-.008	-.021	24.2	-8.5	191.9	3.216	-1.166
9	-.009	-.024	38.5	-6.7	190.1	5.652	-1.094
10	-.011	-.027	53.0	-5.0	188.3	9.138	-.940

EXCENTRICIDADES RESULTANTES CABEZA -.0262966158494 .281435463934
EXCENTRICIDADES 1 ORDEN CABEZA -.0270844397238 .279872543813

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-81.8	-21.9	206.5	-19.145	-5.311
1	-0.000	-.001	-69.8	-20.4	204.6	-15.208	-4.669
2	-.001	-.002	-57.3	-18.8	202.8	-11.033	-3.891
3	-.002	-.005	-44.4	-17.2	201.0	-7.249	-3.052
4	-.003	-.008	-31.2	-15.5	199.2	-4.387	-2.266
5	-.004	-.011	-17.8	-13.8	197.4	-2.342	-1.823
6	-.005	-.015	-4.1	-12.1	195.6	-.532	-1.591
7	-.006	-.018	9.9	-10.4	193.8	1.300	-1.362
8	-.008	-.022	24.0	-8.6	191.9	3.177	-1.148
9	-.009	-.025	38.4	-6.8	190.1	5.627	-1.107
10	-.011	-.028	52.8	-5.1	188.3	9.443	-.991

EXCENTRICIDADES RESULTANTES CABEZA -.0269025821067 .280628279162
EXCENTRICIDADES 1 ORDEN CABEZA -.0270844397238 .279872543813

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-81.9	-21.9	206.5	-19.858	-5.468
1	-0.000	-.001	-69.9	-20.4	204.6	-15.421	-4.720
2	-.001	-.003	-57.4	-18.8	202.8	-11.056	-3.896
3	-.002	-.005	-44.5	-17.2	201.0	-7.231	-3.040
4	-.003	-.008	-31.3	-15.5	199.2	-4.401	-2.267
5	-.004	-.012	-17.9	-13.8	197.4	-2.356	-1.826
6	-.005	-.015	-4.1	-12.1	195.6	-.545	-1.594
7	-.006	-.019	9.8	-10.4	193.8	1.288	-1.364
8	-.008	-.022	24.0	-8.6	191.9	3.163	-1.148
9	-.010	-.026	38.3	-6.9	190.1	5.609	-1.108
10	-.011	-.028	52.8	-5.1	188.3	9.574	-1.006

EXCENTRICIDADES RESULTANTES CABEZA -.0269964365586 .280284300614
EXCENTRICIDADES 1 ORDEN CABEZA -.0270844397238 .279872543813

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-82.0	-21.9	206.5	-20.185	-5.540
1	-0.000	-.001	-70.0	-20.4	204.6	-15.531	-4.747
2	-.001	-.003	-57.5	-18.9	202.8	-11.074	-3.901
3	-.002	-.005	-44.6	-17.2	201.0	-7.235	-3.040
4	-.003	-.008	-31.4	-15.6	199.2	-4.413	-2.271
5	-.004	-.012	-17.9	-13.9	197.4	-2.364	-1.828
6	-.005	-.015	-4.2	-12.1	195.6	-.552	-1.595
7	-.006	-.019	9.8	-10.4	193.8	1.281	-1.366
8	-.008	-.022	23.9	-8.6	191.9	3.157	-1.149
9	-.010	-.026	38.3	-6.9	190.1	5.597	-1.108
10	-.011	-.029	52.7	-5.1	188.3	9.627	-1.013

EXCENTRICIDADES RESULTANTES CABEZA -.0270360866923 .280084543475
EXCENTRICIDADES 1 ORDEN CABEZA -.0270844397238 .279872543813

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-82.1	-21.9	206.5	-20.333	-5.573
1	-0.000	-.001	-70.0	-20.4	204.6	-15.588	-4.761
2	-.001	-.003	-57.5	-18.9	202.8	-11.091	-3.905
3	-.002	-.005	-44.6	-17.2	201.0	-7.242	-3.042
4	-.003	-.008	-31.4	-15.6	199.2	-4.419	-2.274
5	-.004	-.012	-18.0	-13.9	197.4	-2.368	-1.829
6	-.005	-.015	-4.2	-12.1	195.6	-.556	-1.596
7	-.007	-.019	9.7	-10.4	193.8	1.278	-1.367
8	-.008	-.022	23.9	-8.6	191.9	3.153	-1.149
9	-.010	-.026	38.2	-6.9	190.1	5.591	-1.108
10	-.011	-.029	52.7	-5.1	188.3	9.647	-1.016

EXCENTRICIDADES RESULTANTES CABEZA -.0270583379119 .279981286249
EXCENTRICIDADES 1 ORDEN CABEZA -.0270844397238 .279872543813

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-82.1	-21.9	206.5	-20.400	-5.588
1	-0.000	-.001	-70.0	-20.4	204.6	-15.617	-4.768
2	-.001	-.003	-57.5	-18.9	202.8	-11.099	-3.908
3	-.002	-.005	-44.7	-17.2	201.0	-7.247	-3.044
4	-.003	-.008	-31.5	-15.6	199.2	-4.423	-2.276
5	-.004	-.012	-18.0	-13.9	197.4	-2.370	-1.830
6	-.005	-.015	-4.2	-12.2	195.6	-.558	-1.597
7	-.007	-.019	9.7	-10.4	193.8	1.276	-1.367
8	-.008	-.023	23.9	-8.7	191.9	3.151	-1.149
9	-.010	-.026	38.2	-6.9	190.1	5.586	-1.108
10	-.011	-.029	52.7	-5.1	188.3	9.655	-1.017

EXCENTRICIDADES RESULTANTES CABEZA -.0270713958434 .27992521575
EXCENTRICIDADES 1 ORDEN CABEZA -.0270844397238 .279872543813

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-82.1	-21.9	206.5	-20.430	-5.595

1	-0.000	-.001	-70.0	-20.4	204.6	-15.632	-4.771
2	-.001	-.003	-57.5	-18.9	202.8	-11.108	-3.910
3	-.002	-.005	-44.7	-17.2	201.0	-7.250	-3.045
4	-.003	-.008	-31.5	-15.6	199.2	-4.425	-2.277
5	-.004	-.012	-18.0	-13.9	197.4	-2.371	-1.830
6	-.005	-.015	-4.3	-12.2	195.6	-.559	-1.597
7	-.007	-.019	9.7	-10.4	193.8	1.275	-1.367
8	-.008	-.023	23.9	-8.7	191.9	3.150	-1.150
9	-.010	-.026	38.2	-6.9	190.1	5.584	-1.108
10	-.011	-.029	52.7	-5.1	188.3	9.656	-1.018

EXCENTRICIDADES RESULTANTES CABEZA -.0270773075239 .279900812094
EXCENTRICIDADES 1 ORDEN CABEZA -.0270844397238 .279872543813
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 5 TANTEO 0

Fpx= -3.5 t Fpy= 1.03 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	14.4	-36.2	182.9	2.308	-5.363
1	-0.000	0.000	11.4	-33.2	181.0	1.841	-4.983
2	-.001	0.000	8.5	-30.2	179.2	1.343	-4.389
3	-.002	.001	5.9	-27.1	177.4	.885	-3.774
4	-.003	.001	3.5	-23.9	175.6	.495	-3.208
5	-.004	.001	1.3	-20.8	173.8	.177	-2.718
6	-.006	.002	-.6	-17.6	172.0	.177	-2.289
7	-.007	.002	-2.3	-14.3	170.2	-.306	-1.868
8	-.009	.003	-3.8	-11.1	168.3	-.500	-1.445
9	-.011	.003	-5.1	-7.8	166.5	-.664	-1.021
10	-.013	.003	-6.1	-4.6	164.7	-.798	-.596

EXCENTRICIDADES RESULTANTES CABEZA -.0278140564744 -.0372491921873
EXCENTRICIDADES 1 ORDEN CABEZA -.0406800242866 -.0340012143291

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	15.0	-38.6	182.9	2.423	-5.777
1	-0.000	0.000	12.0	-35.6	181.0	1.878	-5.167
2	-.001	0.000	9.1	-32.5	179.2	1.362	-4.526
3	-.002	.001	6.5	-29.4	177.4	.913	-3.938
4	-.003	.001	4.1	-26.2	175.6	.543	-3.435
5	-.004	.001	1.9	-23.0	173.8	.249	-3.004
6	-.006	.002	-.1	-19.8	172.0	.249	-2.578
7	-.008	.002	-1.8	-16.5	170.2	-.234	-2.149
8	-.010	.003	-3.3	-13.2	168.3	-.431	-1.718
9	-.012	.003	-4.6	-9.9	166.5	-.597	-1.286
10	-.014	.004	-5.6	-6.6	164.7	-.732	-.854

EXCENTRICIDADES RESULTANTES CABEZA -.0398612640366 -.0341856138402
EXCENTRICIDADES 1 ORDEN CABEZA -.0406800242866 -.0340012143291

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	15.0	-38.5	182.9	2.494	-5.912
1	-0.000	0.000	12.0	-35.5	181.0	1.903	-5.218
2	-.001	0.000	9.1	-32.5	179.2	1.377	-4.557
3	-.002	.001	6.5	-29.4	177.4	.928	-3.967
4	-.003	.001	4.1	-26.2	175.6	.554	-3.455
5	-.004	.001	1.9	-23.0	173.8	.250	-3.008
6	-.006	.002	-0.0	-19.8	172.0	.250	-2.585
7	-.008	.002	-1.8	-16.6	170.2	-.233	-2.158
8	-.010	.003	-3.3	-13.3	168.3	-.429	-1.730
9	-.012	.003	-4.6	-10.0	166.5	-.595	-1.300
10	-.014	.004	-5.6	-6.7	164.7	-.730	-.869

EXCENTRICIDADES RESULTANTES CABEZA -.0405523322399 -.0340644983279
EXCENTRICIDADES 1 ORDEN CABEZA -.0406800242866 -.0340012143291

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	15.0	-38.5	182.9	2.519	-5.966

1	-0.000	0.000	12.0	-35.6	181.0	1.912	-5.237
2	-.001	0.000	9.1	-32.5	179.2	1.383	-4.568
3	-.002	.001	6.5	-29.4	177.4	.932	-3.975
4	-.003	.001	4.1	-26.3	175.6	.557	-3.459
5	-.004	.001	1.9	-23.1	173.8	.251	-3.010
6	-.006	.002	-0.0	-19.8	172.0	.251	-2.586
7	-.008	.002	-1.8	-16.6	170.2	-.232	-2.160
8	-.010	.003	-3.3	-13.3	168.3	-.428	-1.732
9	-.012	.003	-4.6	-10.0	166.5	-.594	-1.302
10	-.014	.004	-5.6	-6.7	164.7	-.729	-.871

EXCENTRICIDADES RESULTANTES CABEZA -.0406345819068 -.0340230286344
EXCENTRICIDADES 1 ORDEN CABEZA -.0406800242866 -.0340012143291

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	15.0	-38.5	182.9	2.529	-5.988
1	-0.000	0.000	12.0	-35.6	181.0	1.915	-5.244
2	-.001	0.000	9.1	-32.5	179.2	1.384	-4.572
3	-.002	.001	6.5	-29.4	177.4	.933	-3.977
4	-.003	.001	4.1	-26.3	175.6	.557	-3.460
5	-.004	.001	1.9	-23.1	173.8	.251	-3.010
6	-.006	.002	-0.0	-19.8	172.0	.251	-2.587
7	-.008	.002	-1.8	-16.6	170.2	-.232	-2.161
8	-.010	.003	-3.3	-13.3	168.3	-.428	-1.732
9	-.012	.003	-4.6	-10.0	166.5	-.593	-1.302
10	-.014	.004	-5.6	-6.7	164.7	-.729	-.871

EXCENTRICIDADES RESULTANTES CABEZA -.0406632279109 -.0340088021262
EXCENTRICIDADES 1 ORDEN CABEZA -.0406800242866 -.0340012143291

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	15.0	-38.5	182.9	2.533	-5.997
1	-0.000	0.000	12.0	-35.6	181.0	1.917	-5.248
2	-.001	0.000	9.1	-32.5	179.2	1.385	-4.573
3	-.002	.001	6.5	-29.4	177.4	.934	-3.978
4	-.003	.001	4.1	-26.3	175.6	.558	-3.461
5	-.004	.001	1.9	-23.1	173.8	.251	-3.011
6	-.006	.002	-0.0	-19.8	172.0	.251	-2.587
7	-.008	.002	-1.8	-16.6	170.2	-.231	-2.161
8	-.010	.003	-3.3	-13.3	168.3	-.428	-1.732
9	-.012	.003	-4.6	-10.0	166.5	-.593	-1.302
10	-.014	.004	-5.6	-6.7	164.7	-.728	-.871

EXCENTRICIDADES RESULTANTES CABEZA -.0406727667865 -.0340044652678
EXCENTRICIDADES 1 ORDEN CABEZA -.0406800242866 -.0340012143291
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 6 TANTEO 0

Fpx= -1.74 t Fpy= 18.8 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	83.0	-19.8	159.2	18.182	-4.490
1	-0.000	.001	69.2	-18.3	157.3	18.036	-4.736
2	-.001	.003	55.0	-16.7	155.5	14.371	-4.340
3	-.001	.006	40.5	-15.1	153.7	9.716	-3.679
4	-.003	.009	25.6	-13.5	151.9	5.248	-2.904
5	-.004	.013	10.4	-11.9	150.1	1.690	-2.050
6	-.005	.017	-4.9	-10.2	148.3	-.651	-1.343
7	-.007	.021	-20.5	-8.5	146.5	-2.652	-1.104
8	-.008	.025	-36.3	-6.9	144.6	-4.784	-.922
9	-.010	.029	-52.2	-5.2	142.8	-7.909	-.865
10	-.012	.032	-68.3	-3.5	141.0	-12.889	-.703

EXCENTRICIDADES RESULTANTES CABEZA -.0246513218128 -.484365460446
EXCENTRICIDADES 1 ORDEN CABEZA -.036170212766 -.453191489362

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	88.2	-21.7	159.2	22.883	-5.602

1	-0.000	.001	74.3	-20.1	157.3	19.330	-5.214
2	-.001	.003	60.0	-18.6	155.5	14.349	-4.499
3	-.002	.006	45.4	-16.9	153.7	9.257	-3.628
4	-.003	.010	30.4	-15.3	151.9	4.895	-2.629
5	-.004	.014	15.1	-13.6	150.1	1.994	-1.789
6	-.006	.019	-.4	-11.9	148.3	1.994	-1.540
7	-.007	.023	-16.1	-10.2	146.5	-2.121	-1.368
8	-.009	.027	-32.0	-8.5	144.6	-4.829	-1.408
9	-.011	.031	-48.1	-6.7	142.8	-9.033	-1.356
10	-.012	.035	-64.3	-5.0	141.0	-15.040	-1.186

EXCENTRICIDADES RESULTANTES CABEZA -.0354016837558 -.456170895723
EXCENTRICIDADES 1 ORDEN CABEZA -.036170212766 -.453191489362

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	88.1	-21.6	159.2	24.939	-5.982
1	-0.000	.001	74.3	-20.1	157.3	19.861	-5.312
2	-.001	.003	60.1	-18.5	155.5	14.359	-4.490
3	-.002	.006	45.4	-16.9	153.7	9.084	-3.564
4	-.003	.010	30.5	-15.3	151.9	4.767	-2.553
5	-.004	.015	15.3	-13.6	150.1	2.010	-1.797
6	-.006	.019	-.2	-11.9	148.3	2.010	-1.565
7	-.007	.024	-15.9	-10.2	146.5	-2.077	-1.344
8	-.009	.028	-31.8	-8.5	144.6	-4.853	-1.428
9	-.011	.032	-47.8	-6.8	142.8	-9.556	-1.438
10	-.013	.036	-64.0	-5.1	141.0	-15.964	-1.266

EXCENTRICIDADES RESULTANTES CABEZA -.0360294117584 -.454101415049
EXCENTRICIDADES 1 ORDEN CABEZA -.036170212766 -.453191489362

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	88.2	-21.6	159.2	25.731	-6.136
1	-0.000	.001	74.4	-20.1	157.3	20.094	-5.358
2	-.001	.003	60.1	-18.5	155.5	14.382	-4.493
3	-.002	.007	45.5	-16.9	153.7	9.027	-3.543
4	-.003	.011	30.6	-15.3	151.9	4.734	-2.527
5	-.004	.015	15.3	-13.6	150.1	2.023	-1.800
6	-.006	.019	-.1	-11.9	148.3	2.023	-1.568
7	-.007	.024	-15.8	-10.2	146.5	-2.062	-1.342
8	-.009	.028	-31.7	-8.5	144.6	-4.851	-1.433
9	-.011	.033	-47.8	-6.8	142.8	-9.784	-1.469
10	-.013	.036	-64.0	-5.1	141.0	-16.325	-1.291

EXCENTRICIDADES RESULTANTES CABEZA -.0361020403941 -.453586085705
EXCENTRICIDADES 1 ORDEN CABEZA -.036170212766 -.453191489362

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	88.3	-21.6	159.2	26.022	-6.194
1	-0.000	.001	74.5	-20.1	157.3	20.195	-5.379
2	-.001	.003	60.2	-18.5	155.5	14.407	-4.498
3	-.002	.007	45.6	-16.9	153.7	9.011	-3.536
4	-.003	.011	30.6	-15.3	151.9	4.727	-2.521
5	-.004	.015	15.4	-13.6	150.1	2.030	-1.802
6	-.006	.019	-.1	-12.0	148.3	2.030	-1.570
7	-.007	.024	-15.8	-10.3	146.5	-2.057	-1.342
8	-.009	.029	-31.7	-8.5	144.6	-4.846	-1.434
9	-.011	.033	-47.7	-6.8	142.8	-9.882	-1.482
10	-.013	.036	-63.9	-5.1	141.0	-16.463	-1.301

EXCENTRICIDADES RESULTANTES CABEZA -.0361369934824 -.45336098277
EXCENTRICIDADES 1 ORDEN CABEZA -.036170212766 -.453191489362

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	88.3	-21.6	159.2	26.129	-6.215
1	-0.000	.001	74.5	-20.1	157.3	20.239	-5.388
2	-.001	.003	60.2	-18.6	155.5	14.422	-4.501
3	-.002	.007	45.6	-16.9	153.7	9.010	-3.535
4	-.003	.011	30.6	-15.3	151.9	4.728	-2.521
5	-.004	.015	15.4	-13.6	150.1	2.033	-1.803
6	-.006	.020	-.1	-12.0	148.3	2.033	-1.571
7	-.007	.024	-15.8	-10.3	146.5	-2.054	-1.342
8	-.009	.029	-31.7	-8.5	144.6	-4.842	-1.434
9	-.011	.033	-47.7	-6.8	142.8	-9.924	-1.487
10	-.013	.036	-63.9	-5.1	141.0	-16.514	-1.305

EXCENTRICIDADES RESULTANTES CABEZA -.0361543832897 -.453265388231
EXCENTRICIDADES 1 ORDEN CABEZA -.036170212766 -.453191489362

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	88.3	-21.6	159.2	26.168	-6.223
1	-0.000	.001	74.5	-20.1	157.3	20.258	-5.392
2	-.001	.003	60.2	-18.6	155.5	14.431	-4.503
3	-.002	.007	45.6	-16.9	153.7	9.011	-3.536
4	-.003	.011	30.6	-15.3	151.9	4.729	-2.521
5	-.004	.015	15.4	-13.6	150.1	2.034	-1.803
6	-.006	.020	-0.0	-12.0	148.3	2.034	-1.571
7	-.007	.024	-15.8	-10.3	146.5	-2.053	-1.342
8	-.009	.029	-31.7	-8.6	144.6	-4.840	-1.434
9	-.011	.033	-47.7	-6.8	142.8	-9.941	-1.490
10	-.013	.036	-63.9	-5.1	141.0	-16.532	-1.307

EXCENTRICIDADES RESULTANTES CABEZA -.0361629289056 -.453223530844
EXCENTRICIDADES 1 ORDEN CABEZA -.036170212766 -.453191489362
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 7 TANTEO 0

Fpx= .09 t Fpy= 1.03 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-9.3	.8	182.9	-1.211	.111
1	0.000	-0.000	-8.0	.7	181.0	-1.041	.111
2	0.000	-0.000	-6.9	.6	179.2	-.899	.111
3	0.000	-0.000	-6.0	.5	177.4	-.786	.111
4	0.000	-.001	-5.4	.4	175.6	-.701	.111
5	0.000	-.001	-4.9	.4	173.8	-.645	.111
6	0.000	-.001	-4.7	.3	172.0	-.618	.111
7	0.000	-.002	-4.8	.2	170.2	-.619	.111
8	0.000	-.002	-5.0	.1	168.3	-.649	.111
9	0.000	-.002	-5.4	0.0	166.5	-.708	.111
10	0.000	-.003	-6.1	-.1	164.7	-.795	.111

EXCENTRICIDADES RESULTANTES CABEZA -.000387956345413 -.0370878245212
EXCENTRICIDADES 1 ORDEN CABEZA 0 -.04

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-9.8	.8	182.9	-1.282	.111
1	0.000	-0.000	-8.5	.8	181.0	-1.112	.111
2	0.000	-0.000	-7.4	.7	179.2	-.969	.111
3	0.000	-0.000	-6.5	.6	177.4	-.855	.111
4	0.000	-.001	-5.9	.5	175.6	-.769	.111
5	0.000	-.001	-5.5	.4	173.8	-.712	.111
6	0.000	-.001	-5.2	.3	172.0	-.683	.111
7	0.000	-.002	-5.2	.3	170.2	-.682	.111
8	0.000	-.002	-5.5	.2	168.3	-.710	.111
9	0.000	-.003	-5.9	.1	166.5	-.767	.111
10	0.000	-.003	-6.5	-0.0	164.7	-.852	.111

EXCENTRICIDADES RESULTANTES CABEZA -1.62630325873E-19 -.0397589437213
EXCENTRICIDADES 1 ORDEN CABEZA 0 -.04

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-9.8	.8	182.9	-1.282	.111
1	0.000	-0.000	-8.5	.7	181.0	-1.112	.111
2	0.000	-0.000	-7.4	.7	179.2	-.970	.111
3	0.000	-0.000	-6.6	.6	177.4	-.856	.111
4	0.000	-.001	-5.9	.5	175.6	-.771	.111
5	0.000	-.001	-5.5	.4	173.8	-.714	.111
6	0.000	-.001	-5.3	.3	172.0	-.686	.111
7	0.000	-.002	-5.3	.3	170.2	-.686	.111
8	0.000	-.002	-5.5	.2	168.3	-.714	.111

9	0.000	-.003	-5.9	.1	166.5	-.771	.111
10	0.000	-.003	-6.6	-0.0	164.7	-.857	.111

EXCENTRICIDADES RESULTANTES CABEZA -1.62630325873E-19 -.0399949822547
EXCENTRICIDADES 1 ORDEN CABEZA 0 -.04

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-9.8	.8	182.9	-1.281	.111
1	0.000	-0.000	-8.5	.7	181.0	-1.112	.111
2	0.000	-0.000	-7.4	.7	179.2	-.970	.111
3	0.000	-0.000	-6.6	.6	177.4	-.856	.111
4	0.000	-.001	-5.9	.5	175.6	-.771	.111
5	0.000	-.001	-5.5	.4	173.8	-.714	.111
6	0.000	-.001	-5.3	.3	172.0	-.686	.111
7	0.000	-.002	-5.3	.3	170.2	-.686	.111
8	0.000	-.002	-5.5	.2	168.3	-.714	.111
9	0.000	-.003	-5.9	.1	166.5	-.772	.111
10	0.000	-.003	-6.6	-0.0	164.7	-.857	.111

EXCENTRICIDADES RESULTANTES CABEZA -1.62630325873E-19 -.0400008237116
EXCENTRICIDADES 1 ORDEN CABEZA 0 -.04
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 8 TANTEO 0

Fpx= -9.1 t Fpy= .7 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	4.3	-92.1	193.1	.967	-19.391
1	-.001	0.000	3.7	-83.6	191.2	.945	-20.695
2	-.003	0.000	3.1	-74.9	189.4	.810	-19.113
3	-.006	0.000	2.5	-66.1	187.6	.635	-16.376
4	-.011	0.000	1.9	-57.1	185.8	.454	-13.314
5	-.017	.001	1.3	-48.1	184.0	.282	-10.273
6	-.023	.001	.6	-39.0	182.2	.282	-7.440
7	-.030	.001	-0.0	-29.9	180.4	.282	-4.958
8	-.037	.002	-.7	-20.9	178.5	.282	-2.961
9	-.044	.002	-1.3	-11.9	176.7	-.169	-1.550
10	-.052	.002	-1.9	-2.9	174.9	-.253	-.379

EXCENTRICIDADES RESULTANTES CABEZA -.0165930557635 -.0110731264217
EXCENTRICIDADES 1 ORDEN CABEZA -.0680388793596 -.00891938250429

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	4.8	-102.3	193.1	1.202	-25.238
1	-.001	0.000	4.2	-93.7	191.2	1.075	-23.821
2	-.003	0.000	3.5	-84.9	189.4	.894	-20.950
3	-.008	0.000	2.9	-75.8	187.6	.701	-17.603
4	-.013	.001	2.3	-66.6	185.8	.513	-14.177
5	-.019	.001	1.6	-57.3	184.0	.337	-10.892
6	-.026	.001	1.0	-48.0	182.2	.337	-7.921
7	-.034	.001	.3	-38.6	180.4	.337	-5.465
8	-.042	.002	-.3	-29.3	178.5	.337	-3.825
9	-.050	.002	-1.0	-19.9	176.7	.337	-2.605
10	-.059	.003	-1.6	-10.7	174.9	-.212	-1.399

EXCENTRICIDADES RESULTANTES CABEZA -.0613092191009 -.00928043884065
EXCENTRICIDADES 1 ORDEN CABEZA -.0680388793596 -.00891938250429

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	4.8	-102.8	193.1	1.318	-28.156
1	-.001	0.000	4.2	-94.2	191.2	1.134	-25.329
2	-.004	0.000	3.6	-85.4	189.4	.931	-21.892
3	-.008	0.000	3.0	-76.4	187.6	.728	-18.290
4	-.014	.001	2.3	-67.2	185.8	.533	-14.709
5	-.020	.001	1.7	-58.0	184.0	.353	-11.304
6	-.028	.001	1.0	-48.6	182.2	.194	-8.246
7	-.036	.002	.4	-39.2	180.4	.194	-5.743
8	-.044	.002	-.3	-29.9	178.5	.194	-3.972
9	-.053	.002	-.9	-20.6	176.7	.194	-2.686
10	-.062	.003	-1.6	-11.3	174.9	-.204	-1.475

EXCENTRICIDADES RESULTANTES CABEZA -.0646245119521 -.00894506914197
EXCENTRICIDADES 1 ORDEN CABEZA -.0680388793596 -.00891938250429

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	4.8	-103.3	193.1	1.364	-29.491
1	-.001	0.000	4.2	-94.8	191.2	1.156	-26.082
2	-.004	0.000	3.6	-86.0	189.4	.944	-22.429
3	-.008	0.000	3.0	-76.9	187.6	.737	-18.718
4	-.014	.001	2.3	-67.7	185.8	.539	-15.063
5	-.021	.001	1.7	-58.4	184.0	.357	-11.591
6	-.029	.001	1.0	-49.0	182.2	.196	-8.469
7	-.037	.002	.4	-39.6	180.4	.196	-5.906
8	-.046	.002	-.3	-30.2	178.5	.196	-4.044
9	-.055	.002	-.9	-20.9	176.7	.196	-2.728
10	-.064	.003	-1.6	-11.6	174.9	-.205	-1.511

EXCENTRICIDADES RESULTANTES CABEZA -.0662099608555 -.00896790185713
EXCENTRICIDADES 1 ORDEN CABEZA -.0680388793596 -.00891938250429

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	4.8	-103.6	193.1	1.386	-30.078
1	-.001	0.000	4.2	-95.1	191.2	1.169	-26.459
2	-.004	0.000	3.6	-86.3	189.4	.954	-22.724
3	-.009	0.000	3.0	-77.2	187.6	.745	-18.970
4	-.014	.001	2.3	-68.0	185.8	.546	-15.283
5	-.021	.001	1.7	-58.7	184.0	.362	-11.775
6	-.029	.001	1.0	-49.3	182.2	.200	-8.612
7	-.038	.002	.4	-39.9	180.4	.200	-6.002
8	-.046	.002	-.3	-30.4	178.5	.200	-4.085
9	-.056	.002	-.9	-21.1	176.7	.200	-2.751
10	-.065	.003	-1.6	-11.7	174.9	-.204	-1.531

EXCENTRICIDADES RESULTANTES CABEZA -.0670729490386 -.00895155103178
EXCENTRICIDADES 1 ORDEN CABEZA -.0680388793596 -.00891938250429

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	4.8	-103.8	193.1	1.397	-30.339
1	-.001	0.000	4.2	-95.3	191.2	1.176	-26.647
2	-.004	0.000	3.6	-86.4	189.4	.959	-22.883
3	-.009	0.000	3.0	-77.4	187.6	.749	-19.113
4	-.015	.001	2.3	-68.2	185.8	.549	-15.413
5	-.022	.001	1.7	-58.8	184.0	.365	-11.888
6	-.029	.001	1.0	-49.4	182.2	.202	-8.699
7	-.038	.002	.4	-40.0	180.4	.202	-6.058
8	-.047	.002	-.3	-30.5	178.5	.202	-4.107
9	-.056	.002	-.9	-21.2	176.7	.202	-2.763
10	-.065	.003	-1.6	-11.8	174.9	-.204	-1.542

EXCENTRICIDADES RESULTANTES CABEZA -.0675301682633 -.00893685348065
EXCENTRICIDADES 1 ORDEN CABEZA -.0680388793596 -.00891938250429

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	4.8	-103.9	193.1	1.401	-30.458
1	-.001	0.000	4.2	-95.3	191.2	1.180	-26.741
2	-.004	0.000	3.6	-86.5	189.4	.962	-22.968
3	-.009	0.000	3.0	-77.5	187.6	.752	-19.193
4	-.015	.001	2.3	-68.2	185.8	.552	-15.488
5	-.022	.001	1.7	-58.9	184.0	.367	-11.954
6	-.030	.001	1.0	-49.5	182.2	.203	-8.751
7	-.038	.002	.4	-40.0	180.4	.203	-6.089
8	-.047	.002	-.3	-30.6	178.5	.203	-4.120
9	-.056	.002	-.9	-21.2	176.7	.203	-2.769
10	-.066	.003	-1.6	-11.9	174.9	-.204	-1.547

EXCENTRICIDADES RESULTANTES CABEZA -.0677708709907 -.00892852495829
EXCENTRICIDADES 1 ORDEN CABEZA -.0680388793596 -.00891938250429

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	4.8	-103.9	193.1	1.404	-30.514
1	-.001	0.000	4.2	-95.4	191.2	1.181	-26.789
2	-.004	0.000	3.6	-86.6	189.4	.964	-23.013

3	-.009	0.000	3.0	-77.5	187.6	.753	-19.237
4	-.015	.001	2.3	-68.3	185.8	.553	-15.529
5	-.022	.001	1.7	-58.9	184.0	.368	-11.992
6	-.030	.001	1.0	-49.5	182.2	.204	-8.780
7	-.038	.002	.4	-40.1	180.4	.204	-6.107
8	-.047	.002	-.3	-30.6	178.5	.204	-4.127
9	-.056	.002	-.9	-21.2	176.7	.204	-2.773
10	-.066	.003	-1.6	-11.9	174.9	-.204	-1.550

EXCENTRICIDADES RESULTANTES CABEZA -.0678974615909 -.00892415800433
EXCENTRICIDADES 1 ORDEN CABEZA -.0680388793596 -.00891938250429

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	4.8	-103.9	193.1	1.405	-30.540
1	-.001	0.000	4.2	-95.4	191.2	1.182	-26.813
2	-.004	0.000	3.6	-86.6	189.4	.964	-23.036
3	-.009	0.000	3.0	-77.5	187.6	.754	-19.261
4	-.015	.001	2.3	-68.3	185.8	.553	-15.553
5	-.022	.001	1.7	-59.0	184.0	.368	-12.013
6	-.030	.001	1.0	-49.5	182.2	.204	-8.797
7	-.038	.002	.4	-40.1	180.4	.204	-6.115
8	-.047	.002	-.3	-30.6	178.5	.204	-4.130
9	-.056	.002	-.9	-21.2	176.7	.204	-2.775
10	-.066	.003	-1.6	-11.9	174.9	-.204	-1.552

EXCENTRICIDADES RESULTANTES CABEZA -.0679644034991 -.00892188808999
EXCENTRICIDADES 1 ORDEN CABEZA -.0680388793596 -.00891938250429
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 9 TANTEO 0

Fpx= -8.5 t Fpy= -9.5 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-43.5	-98.1	264.4	-9.271	-19.440
1	-.001	-0.000	-34.7	-90.8	262.5	-8.357	-20.798
2	-.003	-.001	-25.9	-83.1	260.7	-6.371	-19.452
3	-.006	-.003	-17.0	-75.0	258.9	-4.075	-16.936
4	-.011	-.004	-8.2	-66.7	257.1	-1.850	-14.058
5	-.017	-.006	.7	-58.1	255.3	-1.850	-11.200
6	-.023	-.008	9.5	-49.3	253.5	1.831	-8.622
7	-.030	-.010	18.1	-40.4	251.7	3.169	-6.366
8	-.038	-.011	26.7	-31.5	249.8	4.159	-4.645
9	-.046	-.013	35.1	-22.4	248.0	5.129	-3.259
10	-.054	-.014	43.3	-13.3	246.2	6.194	-1.955

EXCENTRICIDADES RESULTANTES CABEZA -.0540603644927 .175823339805
EXCENTRICIDADES 1 ORDEN CABEZA -.107798537774 .162469536962

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-47.1	-112.6	264.4	-11.317	-25.740
1	-.001	-0.000	-38.3	-105.2	262.5	-9.411	-24.559
2	-.004	-.001	-29.4	-97.2	260.7	-7.030	-21.888
3	-.008	-.003	-20.5	-88.9	258.9	-4.636	-18.690
4	-.013	-.005	-11.5	-80.2	257.1	-2.426	-15.424
5	-.020	-.007	-2.6	-71.3	255.3	-.499	-12.427
6	-.027	-.009	6.3	-62.1	253.5	1.096	-9.761
7	-.036	-.011	15.1	-52.8	251.7	2.342	-7.791
8	-.044	-.013	23.7	-43.4	249.8	3.464	-6.302
9	-.053	-.015	32.2	-33.9	248.0	4.605	-4.970
10	-.063	-.016	40.6	-24.4	246.2	5.804	-3.741

EXCENTRICIDADES RESULTANTES CABEZA -.0989359479797 .164800413744
EXCENTRICIDADES 1 ORDEN CABEZA -.107798537774 .162469536962

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-47.5	-114.1	264.4	-12.650	-29.345
1	-.001	-0.000	-38.7	-106.7	262.5	-10.107	-26.739
2	-.004	-.002	-29.8	-98.7	260.7	-7.443	-23.415
3	-.009	-.003	-20.9	-90.4	258.9	-4.902	-19.885
4	-.015	-.005	-11.9	-81.7	257.1	-2.596	-16.405
5	-.022	-.008	-2.9	-72.7	255.3	-.590	-13.212
6	-.030	-.010	6.0	-63.5	253.5	1.091	-10.424
7	-.039	-.012	14.7	-54.1	251.7	2.477	-8.263
8	-.048	-.014	23.4	-44.6	249.8	3.652	-6.622
9	-.058	-.016	32.0	-35.0	248.0	4.787	-5.207
10	-.068	-.017	40.3	-25.3	246.2	5.971	-3.872

EXCENTRICIDADES RESULTANTES CABEZA -.10263666868 .163786980921
EXCENTRICIDADES 1 ORDEN CABEZA -.107798537774 .162469536962

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-47.8	-115.4	264.4	-13.363	-31.323
1	-.001	-0.000	-39.0	-107.9	262.5	-10.509	-28.031
2	-.004	-.002	-30.1	-99.9	260.7	-7.707	-24.406
3	-.009	-.003	-21.1	-91.5	258.9	-5.085	-20.705
4	-.015	-.006	-12.1	-82.8	257.1	-2.716	-17.098
5	-.023	-.008	-3.2	-73.7	255.3	-.654	-13.772
6	-.031	-.010	5.7	-64.4	253.5	1.079	-10.871
7	-.040	-.013	14.6	-54.9	251.7	2.505	-8.570
8	-.050	-.015	23.2	-45.3	249.8	3.697	-6.829
9	-.061	-.016	31.8	-35.5	248.0	4.831	-5.363
10	-.071	-.018	40.2	-25.7	246.2	6.006	-3.988

EXCENTRICIDADES RESULTANTES CABEZA -.10458582978 .163278905167
EXCENTRICIDADES 1 ORDEN CABEZA -.107798537774 .162469536962

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-48.0	-116.1	264.4	-13.745	-32.378
1	-.001	-0.000	-39.2	-108.7	262.5	-10.746	-28.793
2	-.004	-.002	-30.3	-100.7	260.7	-7.873	-25.033
3	-.009	-.004	-21.3	-92.3	258.9	-5.204	-21.248
4	-.016	-.006	-12.3	-83.4	257.1	-2.796	-17.568
5	-.023	-.008	-3.3	-74.3	255.3	-.696	-14.156
6	-.032	-.010	5.6	-64.9	253.5	1.071	-11.169
7	-.042	-.013	14.4	-55.4	251.7	2.521	-8.765
8	-.052	-.015	23.1	-45.7	249.8	3.723	-6.950
9	-.062	-.017	31.7	-35.9	248.0	4.853	-5.449
10	-.073	-.018	40.1	-26.1	246.2	6.022	-4.050

EXCENTRICIDADES RESULTANTES CABEZA -.105833023897 .16295070593
EXCENTRICIDADES 1 ORDEN CABEZA -.107798537774 .162469536962

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-48.1	-116.6	264.4	-13.949	-32.948
1	-.001	-0.000	-39.3	-109.2	262.5	-10.884	-29.241
2	-.004	-.002	-30.4	-101.2	260.7	-7.975	-25.422
3	-.009	-.004	-21.4	-92.7	258.9	-5.280	-21.596
4	-.016	-.006	-12.4	-83.9	257.1	-2.847	-17.876
5	-.024	-.008	-3.4	-74.7	255.3	-.722	-14.410
6	-.033	-.011	5.5	-65.3	253.5	1.067	-11.362
7	-.042	-.013	14.4	-55.7	251.7	2.532	-8.889
8	-.053	-.015	23.1	-46.0	249.8	3.738	-7.023
9	-.063	-.017	31.7	-36.2	248.0	4.865	-5.501
10	-.075	-.019	40.1	-26.2	246.2	6.030	-4.087

EXCENTRICIDADES RESULTANTES CABEZA -.106603786972 .162752171561
EXCENTRICIDADES 1 ORDEN CABEZA -.107798537774 .162469536962

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-48.2	-116.9	264.4	-14.060	-33.261
1	-.001	-0.000	-39.4	-109.4	262.5	-10.964	-29.504
2	-.004	-.002	-30.5	-101.4	260.7	-8.038	-25.660
3	-.010	-.004	-21.5	-93.0	258.9	-5.327	-21.815
4	-.016	-.006	-12.5	-84.1	257.1	-2.879	-18.073
5	-.024	-.008	-3.5	-74.9	255.3	-.739	-14.574
6	-.033	-.011	5.5	-65.5	253.5	1.065	-11.486
7	-.043	-.013	14.3	-55.9	251.7	2.539	-8.967
8	-.053	-.015	23.0	-46.2	249.8	3.747	-7.068
9	-.064	-.017	31.6	-36.3	248.0	4.870	-5.530
10	-.075	-.019	40.0	-26.4	246.2	6.033	-4.109

EXCENTRICIDADES RESULTANTES CABEZA -.107075281419 .162635168579
EXCENTRICIDADES 1 ORDEN CABEZA -.107798537774 .162469536962

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-48.2	-117.1	264.4	-14.121	-33.437
1	-.001	-0.000	-39.5	-109.6	262.5	-11.011	-29.659
2	-.004	-.002	-30.5	-101.6	260.7	-8.075	-25.805
3	-.010	-.004	-21.5	-93.1	258.9	-5.356	-21.951
4	-.016	-.006	-12.5	-84.3	257.1	-2.899	-18.196
5	-.024	-.008	-3.5	-75.1	255.3	-.748	-14.678
6	-.033	-.011	5.4	-65.6	253.5	1.064	-11.565
7	-.043	-.013	14.3	-56.0	251.7	2.543	-9.016
8	-.053	-.015	23.0	-46.3	249.8	3.753	-7.096
9	-.064	-.017	31.6	-36.4	248.0	4.875	-5.550
10	-.076	-.019	40.0	-26.4	246.2	6.035	-4.121

EXCENTRICIDADES RESULTANTES CABEZA -.10736138265 .162566654407
EXCENTRICIDADES 1 ORDEN CABEZA -.107798537774 .162469536962

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-48.3	-117.2	264.4	-14.155	-33.537
1	-.001	-.001	-39.5	-109.7	262.5	-11.039	-29.751
2	-.004	-.002	-30.5	-101.7	260.7	-8.098	-25.892
3	-.010	-.004	-21.5	-93.2	258.9	-5.373	-22.034
4	-.016	-.006	-12.5	-84.4	257.1	-2.911	-18.273
5	-.024	-.008	-3.5	-75.2	255.3	-.754	-14.744
6	-.033	-.011	5.4	-65.7	253.5	1.063	-11.614
7	-.043	-.013	14.3	-56.1	251.7	2.546	-9.047
8	-.054	-.015	23.0	-46.3	249.8	3.756	-7.112
9	-.065	-.017	31.6	-36.4	248.0	4.878	-5.561
10	-.076	-.019	40.0	-26.5	246.2	6.037	-4.130

EXCENTRICIDADES RESULTANTES CABEZA -.107534803784 .162526906696
EXCENTRICIDADES 1 ORDEN CABEZA -.107798537774 .162469536962

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-48.3	-117.2	264.4	-14.175	-33.595
1	-.001	-.001	-39.5	-109.8	262.5	-11.055	-29.806
2	-.004	-.002	-30.6	-101.8	260.7	-8.111	-25.945
3	-.010	-.004	-21.6	-93.3	258.9	-5.384	-22.085
4	-.016	-.006	-12.5	-84.4	257.1	-2.918	-18.320
5	-.024	-.008	-3.5	-75.2	255.3	-.758	-14.784
6	-.033	-.011	5.4	-65.8	253.5	1.063	-11.644
7	-.043	-.013	14.3	-56.1	251.7	2.547	-9.063
8	-.054	-.015	23.0	-46.4	249.8	3.757	-7.121
9	-.065	-.017	31.6	-36.5	248.0	4.879	-5.568
10	-.076	-.019	40.0	-26.5	246.2	6.038	-4.135

EXCENTRICIDADES RESULTANTES CABEZA -.107640053519 .162503731197
EXCENTRICIDADES 1 ORDEN CABEZA -.107798537774 .162469536962

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-48.3	-117.3	264.4	-14.187	-33.629
1	-.001	-.001	-39.5	-109.8	262.5	-11.065	-29.838
2	-.004	-.002	-30.6	-101.8	260.7	-8.119	-25.977
3	-.010	-.004	-21.6	-93.3	258.9	-5.391	-22.115
4	-.016	-.006	-12.5	-84.5	257.1	-2.923	-18.349
5	-.024	-.008	-3.5	-75.3	255.3	-.760	-14.809
6	-.033	-.011	5.4	-65.8	253.5	1.063	-11.662
7	-.043	-.013	14.3	-56.2	251.7	2.549	-9.076
8	-.054	-.016	23.0	-46.4	249.8	3.760	-7.129
9	-.065	-.017	31.6	-36.5	248.0	4.880	-5.572
10	-.076	-.019	40.0	-26.5	246.2	6.039	-4.138

EXCENTRICIDADES RESULTANTES CABEZA -.107702091112 .162489538087
EXCENTRICIDADES 1 ORDEN CABEZA -.107798537774 .162469536962

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-48.3	-117.3	264.4	-14.192	-33.640
1	-.001	-.001	-39.5	-109.8	262.5	-11.069	-29.849
2	-.004	-.002	-30.6	-101.8	260.7	-8.124	-25.996
3	-.010	-.004	-21.6	-93.4	258.9	-5.394	-22.134
4	-.016	-.006	-12.5	-84.5	257.1	-2.925	-18.367
5	-.024	-.008	-3.5	-75.3	255.3	-.761	-14.819
6	-.033	-.011	5.4	-65.8	253.5	1.063	-11.671
7	-.043	-.013	14.3	-56.2	251.7	2.549	-9.082
8	-.054	-.016	23.0	-46.4	249.8	3.760	-7.133
9	-.065	-.017	31.6	-36.5	248.0	4.880	-5.575
10	-.076	-.019	40.0	-26.5	246.2	6.039	-4.140

EXCENTRICIDADES RESULTANTES CABEZA -.107751720039 .162479852334
EXCENTRICIDADES 1 ORDEN CABEZA -.107798537774 .162469536962
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 10 TANTEO 0

Fpx= -9.03 t Fpy= -4.1 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-12.0	-106.6	257.3	-2.629	-21.476
1	-.001	-0.000	-8.5	-98.2	255.4	-2.107	-22.911
2	-.003	-0.000	-5.0	-89.4	253.6	-1.270	-21.487
3	-.007	-.001	-1.5	-80.3	251.8	-.367	-18.798
4	-.012	-.001	2.1	-70.9	250.0	.486	-15.686
5	-.019	-.001	5.6	-61.4	248.2	1.236	-12.545
6	-.026	-.002	9.1	-51.7	246.4	1.853	-9.589
7	-.034	-.002	12.6	-42.0	244.6	2.313	-6.968
8	-.042	-.002	16.0	-32.3	242.7	2.595	-4.807
9	-.051	-.001	19.4	-22.5	240.9	2.777	-3.148
10	-.060	-.001	22.7	-12.8	239.1	3.076	-1.734

EXCENTRICIDADES RESULTANTES CABEZA -.0536322868116 .095005096934
EXCENTRICIDADES 1 ORDEN CABEZA -.113048933501 .0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-12.2	-122.2	257.3	-3.022	-28.463
1	-.001	-0.000	-8.8	-113.6	255.4	-2.217	-27.252
2	-.004	-0.000	-5.2	-104.6	253.6	-1.298	-24.427
3	-.009	-.001	-1.7	-95.2	251.8	-.403	-20.992
4	-.015	-.001	1.8	-85.5	250.0	.406	-17.416
5	-.022	-.001	5.4	-75.5	248.2	1.094	-13.961
6	-.030	-.002	8.9	-65.5	246.4	1.634	-10.827
7	-.040	-.002	12.4	-55.3	244.6	2.006	-8.220
8	-.049	-.002	15.8	-45.0	242.7	2.266	-6.283
9	-.059	-.002	19.3	-34.8	240.9	2.606	-4.704
10	-.070	-.001	22.6	-24.6	239.1	3.020	-3.286

EXCENTRICIDADES RESULTANTES CABEZA -.102895396841 .0946163748278
EXCENTRICIDADES 1 ORDEN CABEZA -.113048933501 .0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-12.4	-123.9	257.3	-3.378	-32.531
1	-.001	-0.000	-8.9	-115.3	255.4	-2.391	-29.781
2	-.004	-0.000	-5.4	-106.3	253.6	-1.388	-26.241
3	-.010	-.001	-1.8	-96.8	251.8	-.445	-22.436
4	-.016	-.001	1.7	-87.1	250.0	.400	-18.609
5	-.024	-.002	5.3	-77.1	248.2	1.121	-14.950
6	-.033	-.002	8.8	-66.9	246.4	1.699	-11.637
7	-.043	-.002	12.3	-56.6	244.6	2.132	-8.857
8	-.054	-.002	15.8	-46.3	242.7	2.452	-6.709
9	-.065	-.002	19.2	-35.9	240.9	2.736	-5.004
10	-.076	-.002	22.6	-25.6	239.1	3.079	-3.486

EXCENTRICIDADES RESULTANTES CABEZA -.106957227475 .0943237866707
EXCENTRICIDADES 1 ORDEN CABEZA -.113048933501 .0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-12.4	-125.3	257.3	-3.560	-34.745
1	-.001	-0.000	-8.9	-116.7	255.4	-2.482	-31.268
2	-.005	-0.000	-5.4	-107.7	253.6	-1.437	-27.408
3	-.010	-.001	-1.9	-98.2	251.8	-.467	-23.417
4	-.017	-.001	1.7	-88.3	250.0	.401	-19.449

5	-.025	-.002	5.3	-78.2	248.2	1.143	-15.654
6	-.035	-.002	8.8	-68.0	246.4	1.741	-12.202
7	-.045	-.002	12.3	-57.6	244.6	2.193	-9.272
8	-.056	-.002	15.7	-47.1	242.7	2.518	-6.965
9	-.068	-.002	19.2	-36.6	240.9	2.781	-5.159
10	-.080	-.002	22.5	-26.1	239.1	3.098	-3.582

EXCENTRICIDADES RESULTANTES CABEZA -.109272639374 .094217506306
EXCENTRICIDADES 1 ORDEN CABEZA -.113048933501 .0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-12.4	-126.2	257.3	-3.654	-35.913
1	-.001	-0.000	-9.0	-117.6	255.4	-2.534	-32.136
2	-.005	-0.000	-5.4	-108.5	253.6	-1.466	-28.138
3	-.010	-.001	-1.9	-99.0	251.8	-.480	-24.059
4	-.018	-.001	1.7	-89.1	250.0	.403	-20.014
5	-.026	-.002	5.2	-79.0	248.2	1.159	-16.134
6	-.036	-.002	8.8	-68.6	246.4	1.770	-12.584
7	-.047	-.002	12.3	-58.2	244.6	2.231	-9.542
8	-.058	-.002	15.7	-47.6	242.7	2.556	-7.122
9	-.070	-.002	19.1	-37.0	240.9	2.805	-5.250
10	-.082	-.002	22.5	-26.5	239.1	3.106	-3.640

EXCENTRICIDADES RESULTANTES CABEZA -.110749835973 .0941621445478
EXCENTRICIDADES 1 ORDEN CABEZA -.113048933501 .0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-12.5	-126.8	257.3	-3.703	-36.537
1	-.001	-0.000	-9.0	-118.2	255.4	-2.563	-32.640
2	-.005	-0.000	-5.4	-109.0	253.6	-1.483	-28.584
3	-.011	-.001	-1.9	-99.5	251.8	-.487	-24.465
4	-.018	-.001	1.7	-89.6	250.0	.405	-20.379
5	-.027	-.002	5.2	-79.4	248.2	1.170	-16.450
6	-.037	-.002	8.8	-69.0	246.4	1.790	-12.836
7	-.047	-.002	12.3	-58.5	244.6	2.256	-9.715
8	-.059	-.002	15.7	-47.9	242.7	2.579	-7.220
9	-.071	-.002	19.1	-37.3	240.9	2.819	-5.306
10	-.084	-.002	22.5	-26.7	239.1	3.112	-3.675

EXCENTRICIDADES RESULTANTES CABEZA -.111660543524 .0941325784195
EXCENTRICIDADES 1 ORDEN CABEZA -.113048933501 .0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-12.5	-127.1	257.3	-3.729	-36.877
1	-.001	-0.000	-9.0	-118.5	255.4	-2.579	-32.934
2	-.005	-0.000	-5.4	-109.4	253.6	-1.494	-28.854
3	-.011	-.001	-1.9	-99.8	251.8	-.492	-24.717
4	-.018	-.001	1.7	-89.9	250.0	.406	-20.611
5	-.027	-.002	5.2	-79.7	248.2	1.178	-16.652
6	-.037	-.002	8.8	-69.3	246.4	1.803	-12.997
7	-.048	-.002	12.3	-58.7	244.6	2.271	-9.826
8	-.060	-.002	15.7	-48.1	242.7	2.593	-7.282
9	-.072	-.002	19.1	-37.5	240.9	2.827	-5.339
10	-.084	-.002	22.5	-26.8	239.1	3.116	-3.698

EXCENTRICIDADES RESULTANTES CABEZA -.112214261487 .0941174731921
EXCENTRICIDADES 1 ORDEN CABEZA -.113048933501 .0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-12.5	-127.3	257.3	-3.742	-37.067
1	-.001	-0.000	-9.0	-118.7	255.4	-2.588	-33.106
2	-.005	-0.000	-5.5	-109.5	253.6	-1.499	-29.017
3	-.011	-.001	-1.9	-100.0	251.8	-.494	-24.871
4	-.018	-.001	1.7	-90.1	250.0	.407	-20.754
5	-.027	-.002	5.2	-79.8	248.2	1.183	-16.779
6	-.037	-.002	8.8	-69.4	246.4	1.811	-13.099
7	-.048	-.002	12.3	-58.9	244.6	2.281	-9.895
8	-.060	-.002	15.7	-48.2	242.7	2.602	-7.320
9	-.072	-.002	19.1	-37.6	240.9	2.833	-5.360
10	-.085	-.002	22.5	-26.9	239.1	3.118	-3.711

EXCENTRICIDADES RESULTANTES CABEZA -.112548037366 .0941099230987
EXCENTRICIDADES 1 ORDEN CABEZA -.113048933501 .0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-12.5	-127.4	257.3	-3.750	-37.174
1	-.001	-0.000	-9.0	-118.8	255.4	-2.594	-33.207
2	-.005	-0.000	-5.5	-109.7	253.6	-1.503	-29.114
3	-.011	-.001	-1.9	-100.1	251.8	-.496	-24.965
4	-.018	-.001	1.7	-90.2	250.0	.408	-20.842
5	-.027	-.002	5.2	-79.9	248.2	1.186	-16.858
6	-.037	-.002	8.8	-69.5	246.4	1.817	-13.162
7	-.048	-.002	12.3	-59.0	244.6	2.288	-9.937
8	-.060	-.002	15.7	-48.3	242.7	2.607	-7.341
9	-.072	-.002	19.1	-37.6	240.9	2.837	-5.373
10	-.085	-.002	22.5	-27.0	239.1	3.119	-3.719

EXCENTRICIDADES RESULTANTES CABEZA -.1127489222 .0941064599994
EXCENTRICIDADES 1 ORDEN CABEZA -.113048933501 .0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-12.5	-127.5	257.3	-3.754	-37.236
1	-.001	-0.000	-9.0	-118.9	255.4	-2.597	-33.267
2	-.005	-0.000	-5.5	-109.7	253.6	-1.505	-29.173
3	-.011	-.001	-1.9	-100.2	251.8	-.496	-25.021
4	-.018	-.001	1.7	-90.2	250.0	.408	-20.896
5	-.027	-.002	5.2	-80.0	248.2	1.188	-16.906
6	-.037	-.002	8.8	-69.6	246.4	1.820	-13.201
7	-.048	-.002	12.3	-59.0	244.6	2.291	-9.964
8	-.060	-.002	15.7	-48.4	242.7	2.611	-7.356
9	-.073	-.002	19.1	-37.7	240.9	2.839	-5.380
10	-.085	-.002	22.5	-27.0	239.1	3.120	-3.724

EXCENTRICIDADES RESULTANTES CABEZA -.112868814416 .0941045486963
EXCENTRICIDADES 1 ORDEN CABEZA -.113048933501 .0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-12.5	-127.5	257.3	-3.757	-37.272
1	-.001	-0.000	-9.0	-118.9	255.4	-2.599	-33.302
2	-.005	-0.000	-5.5	-109.8	253.6	-1.506	-29.207
3	-.011	-.001	-1.9	-100.2	251.8	-.497	-25.055
4	-.018	-.001	1.7	-90.3	250.0	.409	-20.929
5	-.027	-.002	5.2	-80.0	248.2	1.189	-16.936
6	-.037	-.002	8.8	-69.6	246.4	1.822	-13.225
7	-.049	-.002	12.3	-59.0	244.6	2.293	-9.977
8	-.060	-.002	15.7	-48.4	242.7	2.612	-7.364
9	-.073	-.002	19.1	-37.7	240.9	2.840	-5.385
10	-.085	-.002	22.5	-27.0	239.1	3.121	-3.726

EXCENTRICIDADES RESULTANTES CABEZA -.112941780169 .0941039022818
EXCENTRICIDADES 1 ORDEN CABEZA -.113048933501 .0941028858218
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 11 TANTEO 0

Fpx= -9.03 t Fpy= 1.2 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	4.9	-100.1	208.7	1.105	-21.223
1	-.001	0.000	3.9	-91.7	206.8	.995	-22.908
2	-.003	0.000	2.8	-83.0	205.0	.751	-21.457
3	-.007	0.000	1.8	-74.1	203.2	.467	-18.707
4	-.012	.001	.8	-65.0	201.4	.467	-15.549
5	-.019	.001	-.3	-55.8	199.6	.467	-12.358
6	-.026	.001	-1.4	-46.5	197.8	-.292	-9.324
7	-.034	.001	-2.4	-37.1	196.0	-.469	-6.582
8	-.042	.001	-3.5	-27.8	194.1	-.589	-4.267
9	-.050	.002	-4.5	-18.6	192.3	-.643	-2.498
10	-.059	.002	-5.5	-9.3	190.5	-.725	-1.220

EXCENTRICIDADES RESULTANTES CABEZA -.048816697087 -.0290053181182
EXCENTRICIDADES 1 ORDEN CABEZA -.107611548556 -.0272965879265

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	5.3	-112.7	208.7	1.349	-28.080
1	-.001	0.000	4.2	-104.1	206.8	1.117	-26.843
2	-.004	0.000	3.2	-95.2	205.0	.827	-23.973
3	-.008	0.000	2.2	-86.1	203.2	.532	-20.522
4	-.015	.001	1.1	-76.7	201.4	.255	-16.931
5	-.022	.001	0.0	-67.1	199.6	.255	-13.420
6	-.030	.001	-1.0	-57.5	197.8	-.199	-10.151
7	-.039	.001	-2.1	-47.8	196.0	-.355	-7.306
8	-.048	.002	-3.1	-38.1	194.1	-.448	-5.123
9	-.058	.002	-4.2	-28.4	192.3	-.550	-3.732
10	-.068	.002	-5.2	-18.8	190.5	-.686	-2.469

EXCENTRICIDADES RESULTANTES CABEZA -.0988014275793 -.0274480543535
EXCENTRICIDADES 1 ORDEN CABEZA -.107611548556 -.0272965879265

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	5.3	-113.6	208.7	1.480	-31.636
1	-.001	0.000	4.2	-105.1	206.8	1.178	-28.841
2	-.004	0.000	3.2	-96.2	205.0	.859	-25.335
3	-.009	0.000	2.2	-87.0	203.2	.550	-21.579
4	-.016	.001	1.1	-77.7	201.4	.264	-17.799
5	-.023	.001	0.0	-68.1	199.6	.264	-14.130
6	-.032	.001	-1.0	-58.5	197.8	-.204	-10.722
7	-.042	.001	-2.1	-48.7	196.0	-.368	-7.766
8	-.052	.002	-3.1	-39.0	194.1	-.482	-5.474
9	-.062	.002	-4.2	-29.3	192.3	-.566	-3.870
10	-.073	.002	-5.2	-19.6	190.5	-.685	-2.571

EXCENTRICIDADES RESULTANTES CABEZA -.102850597634 -.0274058647981
EXCENTRICIDADES 1 ORDEN CABEZA -.107611548556 -.0272965879265

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	5.3	-114.4	208.7	1.545	-33.327
1	-.001	0.000	4.3	-105.9	206.8	1.211	-29.877
2	-.004	0.000	3.2	-97.0	205.0	.880	-26.118
3	-.010	0.000	2.2	-87.9	203.2	.564	-22.241
4	-.016	.001	1.1	-78.4	201.4	.273	-18.371
5	-.024	.001	.1	-68.8	199.6	.273	-14.617
6	-.033	.001	-1.0	-59.1	197.8	-.205	-11.117
7	-.043	.001	-2.1	-49.3	196.0	-.375	-8.068
8	-.054	.002	-3.1	-39.5	194.1	-.494	-5.669
9	-.064	.002	-4.2	-29.7	192.3	-.573	-3.947
10	-.076	.002	-5.2	-20.0	190.5	-.684	-2.624

EXCENTRICIDADES RESULTANTES CABEZA -.104958992063 -.0273626210984
EXCENTRICIDADES 1 ORDEN CABEZA -.107611548556 -.0272965879265

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	5.3	-114.9	208.7	1.575	-34.102
1	-.001	0.000	4.3	-106.4	206.8	1.229	-30.415
2	-.005	0.000	3.2	-97.5	205.0	.892	-26.561
3	-.010	0.000	2.2	-88.3	203.2	.573	-22.636
4	-.017	.001	1.1	-78.9	201.4	.278	-18.727
5	-.025	.001	.1	-69.3	199.6	.278	-14.929
6	-.034	.001	-1.0	-59.5	197.8	.278	-11.375
7	-.044	.002	-2.1	-49.7	196.0	-.380	-8.260
8	-.055	.002	-3.1	-39.8	194.1	-.502	-5.780
9	-.066	.002	-4.2	-30.0	192.3	-.579	-3.992
10	-.077	.002	-5.2	-20.2	190.5	-.687	-2.654

EXCENTRICIDADES RESULTANTES CABEZA -.106155099743 -.0274679943202
EXCENTRICIDADES 1 ORDEN CABEZA -.107611548556 -.0272965879265

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	5.3	-115.2	208.7	1.598	-34.465
1	-.001	0.000	4.3	-106.7	206.8	1.246	-30.694
2	-.005	0.000	3.3	-97.8	205.0	.906	-26.805
3	-.010	0.000	2.2	-88.6	203.2	.585	-22.864
4	-.017	.001	1.2	-79.1	201.4	.288	-18.939
5	-.025	.001	.1	-69.5	199.6	.288	-15.120
6	-.034	.001	-1.0	-59.7	197.8	.288	-11.536
7	-.044	.002	-2.0	-49.9	196.0	-.378	-8.377
8	-.055	.002	-3.1	-40.0	194.1	-.502	-5.845
9	-.066	.002	-4.2	-30.2	192.3	-.578	-4.018
10	-.078	.002	-5.2	-20.3	190.5	-.683	-2.670

EXCENTRICIDADES RESULTANTES CABEZA -.106815618837 -.0273406425413
EXCENTRICIDADES 1 ORDEN CABEZA -.107611548556 -.0272965879265

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	5.3	-115.3	208.7	1.606	-34.639
1	-.001	0.000	4.3	-106.8	206.8	1.252	-30.840
2	-.005	0.000	3.3	-97.9	205.0	.911	-26.940
3	-.010	0.000	2.2	-88.7	203.2	.589	-22.993
4	-.017	.001	1.2	-79.3	201.4	.291	-19.062
5	-.025	.001	.1	-69.6	199.6	.291	-15.234
6	-.035	.001	-1.0	-59.8	197.8	.291	-11.633
7	-.045	.002	-2.0	-50.0	196.0	-.379	-8.446
8	-.056	.002	-3.1	-40.1	194.1	-.503	-5.882
9	-.067	.002	-4.2	-30.2	192.3	-.579	-4.032
10	-.078	.002	-5.2	-20.4	190.5	-.683	-2.679

EXCENTRICIDADES RESULTANTES CABEZA -.107177237075 -.0273098213117
EXCENTRICIDADES 1 ORDEN CABEZA -.107611548556 -.0272965879265

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	5.3	-115.4	208.7	1.609	-34.724
1	-.001	0.000	4.3	-106.9	206.8	1.254	-30.916
2	-.005	0.000	3.3	-98.0	205.0	.913	-27.013
3	-.010	0.000	2.2	-88.8	203.2	.590	-23.064
4	-.017	.001	1.2	-79.3	201.4	.292	-19.132
5	-.025	.001	.1	-69.7	199.6	.292	-15.300
6	-.035	.001	-1.0	-59.9	197.8	.292	-11.689
7	-.045	.002	-2.0	-50.0	196.0	-.380	-8.487
8	-.056	.002	-3.1	-40.2	194.1	-.504	-5.902
9	-.067	.002	-4.2	-30.3	192.3	-.579	-4.040
10	-.078	.002	-5.2	-20.5	190.5	-.682	-2.684

EXCENTRICIDADES RESULTANTES CABEZA -.107374498146 -.027302178517
EXCENTRICIDADES 1 ORDEN CABEZA -.107611548556 -.0272965879265

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	5.3	-115.5	208.7	1.610	-34.768
1	-.001	0.000	4.3	-106.9	206.8	1.255	-30.957
2	-.005	0.000	3.3	-98.0	205.0	.914	-27.053
3	-.010	0.000	2.2	-88.8	203.2	.591	-23.104
4	-.017	.001	1.2	-79.4	201.4	.293	-19.171
5	-.025	.001	.1	-69.7	199.6	.293	-15.337
6	-.035	.001	-1.0	-59.9	197.8	.293	-11.722
7	-.045	.002	-2.0	-50.1	196.0	-.381	-8.510
8	-.056	.002	-3.1	-40.2	194.1	-.505	-5.913
9	-.067	.002	-4.2	-30.3	192.3	-.580	-4.044
10	-.079	.002	-5.2	-20.5	190.5	-.682	-2.687

EXCENTRICIDADES RESULTANTES CABEZA -.107482195964 -.0272994044981
EXCENTRICIDADES 1 ORDEN CABEZA -.107611548556 -.0272965879265

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	5.3	-115.5	208.7	1.611	-34.790
1	-.001	0.000	4.3	-107.0	206.8	1.256	-30.979
2	-.005	0.000	3.3	-98.1	205.0	.915	-27.074
3	-.010	0.000	2.2	-88.9	203.2	.592	-23.126
4	-.017	.001	1.2	-79.4	201.4	.293	-19.193
5	-.025	.001	.1	-69.7	199.6	.293	-15.358
6	-.035	.001	-1.0	-60.0	197.8	.293	-11.741
7	-.045	.002	-2.0	-50.1	196.0	-.381	-8.523
8	-.056	.002	-3.1	-40.2	194.1	-.505	-5.920
9	-.067	.002	-4.2	-30.3	192.3	-.580	-4.046
10	-.079	.002	-5.2	-20.5	190.5	-.682	-2.688

EXCENTRICIDADES RESULTANTES CABEZA -.107540570636 -.0272980517501
EXCENTRICIDADES 1 ORDEN CABEZA -.107611548556 -.0272965879265
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 12 TANTEO 0

Fpx= -8.5 t Fpy= 6 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	35.0	-83.0	186.0	7.703	-17.416
1	-.001	0.000	29.2	-75.7	184.1	7.317	-18.711
2	-.003	.001	23.4	-68.2	182.3	5.996	-17.315
3	-.006	.002	17.6	-60.5	180.5	4.396	-14.852
4	-.010	.004	11.9	-52.6	178.7	2.809	-12.089
5	-.015	.006	6.1	-44.6	176.9	1.353	-9.344
6	-.021	.007	.5	-36.5	175.1	1.353	-6.793
7	-.027	.009	-5.2	-28.3	173.3	-.926	-4.607
8	-.033	.011	-10.7	-20.1	171.4	-1.648	-2.832
9	-.040	.013	-16.1	-11.8	169.6	-2.169	-1.576
10	-.047	.014	-21.4	-3.6	167.8	-2.806	-.469

EXCENTRICIDADES RESULTANTES CABEZA -.0213174705776 -.12776150815

EXCENTRICIDADES 1 ORDEN CABEZA -.0679380214541 -.113528009535

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	37.7	-91.9	186.0	9.428	-22.638
1	-.001	0.000	31.9	-84.5	184.1	8.154	-21.387
2	-.003	.001	26.1	-76.9	182.3	6.489	-18.805
3	-.007	.003	20.2	-69.0	180.5	4.781	-15.793
4	-.012	.004	14.4	-60.9	178.7	3.170	-12.712
5	-.017	.006	8.6	-52.7	176.9	1.726	-9.770
6	-.024	.008	2.8	-44.3	175.1	.508	-7.192
7	-.030	.010	-2.8	-35.9	173.3	-.437	-5.053
8	-.038	.012	-8.4	-27.4	171.4	-1.136	-3.648
9	-.045	.014	-14.0	-18.9	169.6	-1.827	-2.481
10	-.053	.016	-19.4	-10.5	167.8	-2.523	-1.364

EXCENTRICIDADES RESULTANTES CABEZA -.0622772595426 -.115386637193

EXCENTRICIDADES 1 ORDEN CABEZA -.0679380214541 -.113528009535

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	37.8	-92.2	186.0	10.283	-25.161
1	-.001	0.000	32.0	-84.9	184.1	8.545	-22.636
2	-.003	.001	26.2	-77.3	182.3	6.702	-19.554
3	-.007	.003	20.4	-69.4	180.5	4.918	-16.322
4	-.012	.005	14.5	-61.3	178.7	3.262	-13.111
5	-.018	.007	8.8	-53.1	176.9	1.789	-10.074
6	-.025	.009	3.0	-44.8	175.1	.549	-7.404
7	-.032	.011	-2.7	-36.4	173.3	-.426	-5.247
8	-.040	.013	-8.3	-27.9	171.4	-1.163	-3.762
9	-.047	.015	-13.8	-19.4	169.6	-1.835	-2.576
10	-.056	.017	-19.2	-10.9	167.8	-2.517	-1.442

EXCENTRICIDADES RESULTANTES CABEZA -.0651639963332 -.114338252191

EXCENTRICIDADES 1 ORDEN CABEZA -.0679380214541 -.113528009535

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	38.0	-92.6	186.0	10.664	-26.294
1	-.001	0.000	32.2	-85.3	184.1	8.731	-23.248
2	-.004	.001	26.3	-77.7	182.3	6.819	-19.975
3	-.007	.003	20.5	-69.8	180.5	5.000	-16.649
4	-.013	.005	14.7	-61.7	178.7	3.322	-13.377
5	-.019	.007	8.9	-53.5	176.9	1.830	-10.286
6	-.026	.009	3.1	-45.1	175.1	.573	-7.556
7	-.033	.011	-2.6	-36.7	173.3	-.418	-5.363
8	-.041	.013	-8.2	-28.2	171.4	-1.165	-3.821
9	-.049	.016	-13.7	-19.7	169.6	-1.833	-2.617
10	-.057	.018	-19.1	-11.2	167.8	-2.512	-1.474

EXCENTRICIDADES RESULTANTES CABEZA -.066480833698 -.113936797883

EXCENTRICIDADES 1 ORDEN CABEZA -.0679380214541 -.113528009535

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	38.0	-92.9	186.0	10.829	-26.783
1	-.001	0.000	32.2	-85.5	184.1	8.823	-23.549
2	-.004	.001	26.4	-77.9	182.3	6.881	-20.204
3	-.008	.003	20.6	-70.0	180.5	5.048	-16.841
4	-.013	.005	14.7	-61.9	178.7	3.358	-13.542
5	-.019	.007	8.9	-53.7	176.9	1.855	-10.422
6	-.026	.009	3.2	-45.3	175.1	.587	-7.655
7	-.033	.011	-2.5	-36.9	173.3	-.414	-5.430
8	-.041	.014	-8.1	-28.4	171.4	-1.165	-3.852
9	-.049	.016	-13.7	-19.8	169.6	-1.831	-2.638
10	-.058	.018	-19.1	-11.3	167.8	-2.509	-1.490

EXCENTRICIDADES RESULTANTES CABEZA -.0671830696598 -.113732526816

EXCENTRICIDADES 1 ORDEN CABEZA -.0679380214541 -.113528009535

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	38.1	-93.0	186.0	10.901	-26.997
1	-.001	0.000	32.3	-85.7	184.1	8.867	-23.696
2	-.004	.001	26.4	-78.0	182.3	6.915	-20.326
3	-.008	.003	20.6	-70.1	180.5	5.074	-16.949
4	-.013	.005	14.7	-62.0	178.7	3.379	-13.639
5	-.019	.007	8.9	-53.8	176.9	1.870	-10.505
6	-.026	.009	3.2	-45.4	175.1	.594	-7.716
7	-.034	.011	-2.5	-37.0	173.3	-.412	-5.468
8	-.042	.014	-8.1	-28.4	171.4	-1.166	-3.868
9	-.050	.016	-13.6	-19.9	169.6	-1.830	-2.649
10	-.058	.018	-19.1	-11.3	167.8	-2.508	-1.499

EXCENTRICIDADES RESULTANTES CABEZA -.0675474323717 -.113629979937

EXCENTRICIDADES 1 ORDEN CABEZA -.0679380214541 -.113528009535

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	38.1	-93.0	186.0	10.932	-27.092
1	-.001	0.000	32.3	-85.7	184.1	8.889	-23.768
2	-.004	.001	26.4	-78.1	182.3	6.932	-20.390
3	-.008	.003	20.6	-70.2	180.5	5.089	-17.009
4	-.013	.005	14.8	-62.1	178.7	3.391	-13.694
5	-.019	.007	8.9	-53.8	176.9	1.878	-10.553
6	-.026	.009	3.2	-45.5	175.1	.599	-7.751
7	-.034	.011	-2.5	-37.0	173.3	-.411	-5.489
8	-.042	.014	-8.1	-28.5	171.4	-1.166	-3.876
9	-.050	.016	-13.6	-19.9	169.6	-1.830	-2.654
10	-.058	.018	-19.1	-11.4	167.8	-2.507	-1.503

EXCENTRICIDADES RESULTANTES CABEZA -.0677358975039 -.113579037493

EXCENTRICIDADES 1 ORDEN CABEZA -.0679380214541 -.113528009535

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	38.1	-93.1	186.0	10.946	-27.136
1	-.001	0.000	32.3	-85.8	184.1	8.899	-23.804
2	-.004	.001	26.5	-78.1	182.3	6.941	-20.423
3	-.008	.003	20.6	-70.2	180.5	5.096	-17.041
4	-.013	.005	14.8	-62.1	178.7	3.397	-13.725
5	-.019	.007	9.0	-53.9	176.9	1.882	-10.580
6	-.026	.009	3.2	-45.5	175.1	.601	-7.772
7	-.034	.011	-2.5	-37.0	173.3	-.411	-5.498
8	-.042	.014	-8.1	-28.5	171.4	-1.166	-3.881
9	-.050	.016	-13.6	-20.0	169.6	-1.829	-2.657
10	-.058	.018	-19.1	-11.4	167.8	-2.507	-1.506

EXCENTRICIDADES RESULTANTES CABEZA -.0678334228093 -.113553689165

EXCENTRICIDADES 1 ORDEN CABEZA -.0679380214541 -.113528009535

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	38.1	-93.1	186.0	10.953	-27.156
1	-.001	0.000	32.3	-85.8	184.1	8.905	-23.822
2	-.004	.001	26.5	-78.1	182.3	6.946	-20.441
3	-.008	.003	20.6	-70.2	180.5	5.100	-17.059
4	-.013	.005	14.8	-62.1	178.7	3.400	-13.742
5	-.019	.007	9.0	-53.9	176.9	1.885	-10.596
6	-.026	.009	3.2	-45.5	175.1	.602	-7.783
7	-.034	.011	-2.5	-37.0	173.3	-.411	-5.505
8	-.042	.014	-8.1	-28.5	171.4	-1.167	-3.884
9	-.050	.016	-13.6	-20.0	169.6	-1.829	-2.659
10	-.058	.018	-19.1	-11.4	167.8	-2.506	-1.507

EXCENTRICIDADES RESULTANTES CABEZA -.0678832716778 -.113541036796
EXCENTRICIDADES 1 ORDEN CABEZA -.0679380214541 -.113528009535
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 13 TANTEO 0

Fpx= -8.5 t Fpy= 1.2 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	18.7	-98.1	250.3	3.999	-19.300
1	-.001	0.000	17.0	-90.8	248.4	4.063	-20.509
2	-.003	.001	15.2	-83.1	246.6	3.738	-19.327
3	-.006	.001	13.5	-75.1	244.8	3.254	-17.056
4	-.011	.002	11.8	-66.8	243.0	2.724	-14.382
5	-.017	.003	10.2	-58.3	241.2	2.202	-11.652
6	-.023	.005	8.5	-49.6	239.4	1.711	-9.038
7	-.030	.006	7.0	-40.8	237.6	1.265	-6.671
8	-.038	.007	5.4	-31.9	235.7	.875	-4.659
9	-.046	.009	4.0	-23.0	233.9	.552	-3.096
10	-.054	.011	2.6	-14.0	232.1	.344	-1.861

EXCENTRICIDADES RESULTANTES CABEZA -.0602315250606 .0111260039507
EXCENTRICIDADES 1 ORDEN CABEZA -.114174924601 .0216286083585

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	21.4	-111.9	250.3	5.112	-25.217
1	-.001	0.000	19.6	-104.4	248.4	4.805	-24.226
2	-.004	.001	17.9	-96.5	246.6	4.287	-21.866
3	-.008	.002	16.1	-88.3	244.8	3.698	-18.953
4	-.013	.003	14.3	-79.7	243.0	3.098	-15.877
5	-.020	.004	12.6	-70.8	241.2	2.519	-12.863
6	-.027	.005	10.9	-61.8	239.4	1.975	-10.071
7	-.036	.007	9.2	-52.6	237.6	1.481	-7.661
8	-.044	.009	7.6	-43.3	235.7	1.056	-5.827
9	-.053	.011	6.1	-33.9	233.9	.810	-4.514
10	-.063	.012	4.6	-24.5	232.1	.611	-3.258

EXCENTRICIDADES RESULTANTES CABEZA -.105510090963 .0197977389135
EXCENTRICIDADES 1 ORDEN CABEZA -.114174924601 .0216286083585

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	21.6	-113.2	250.3	5.705	-28.653
1	-.001	0.000	19.9	-105.8	248.4	5.179	-26.382
2	-.004	.001	18.2	-97.9	246.6	4.558	-23.411
3	-.008	.002	16.4	-89.6	244.8	3.915	-20.177
4	-.014	.003	14.6	-81.0	243.0	3.282	-16.886
5	-.022	.004	12.9	-72.1	241.2	2.677	-13.697
6	-.030	.006	11.2	-63.0	239.4	2.115	-10.756
7	-.039	.008	9.5	-53.7	237.6	1.614	-8.218
8	-.048	.009	7.9	-44.3	235.7	1.196	-6.211
9	-.058	.011	6.3	-34.8	233.9	.865	-4.674
10	-.068	.013	4.8	-25.3	232.1	.639	-3.368

EXCENTRICIDADES RESULTANTES CABEZA -.109006804181 .0206943157807
EXCENTRICIDADES 1 ORDEN CABEZA -.114174924601 .0216286083585

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	21.9	-114.4	250.3	6.028	-30.526
1	-.001	0.000	20.1	-106.9	248.4	5.394	-27.641
2	-.004	.001	18.4	-99.0	246.6	4.723	-24.394
3	-.009	.002	16.6	-90.7	244.8	4.052	-20.998
4	-.015	.003	14.8	-82.0	243.0	3.399	-17.584
5	-.023	.004	13.1	-73.1	241.2	2.778	-14.280
6	-.031	.006	11.3	-63.9	239.4	2.201	-11.224
7	-.040	.008	9.7	-54.5	237.6	1.686	-8.567
8	-.050	.010	8.0	-45.0	235.7	1.249	-6.422
9	-.061	.012	6.4	-35.4	233.9	.891	-4.768
10	-.071	.014	4.9	-25.8	232.1	.651	-3.429

EXCENTRICIDADES RESULTANTES CABEZA -.111002092779 .021081912896
EXCENTRICIDADES 1 ORDEN CABEZA -.114174924601 .0216286083585

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	22.0	-115.1	250.3	6.200	-31.514
1	-.001	0.000	20.2	-107.7	248.4	5.517	-28.372
2	-.004	.001	18.5	-99.7	246.6	4.824	-25.002
3	-.009	.002	16.7	-91.4	244.8	4.140	-21.528
4	-.016	.003	14.9	-82.7	243.0	3.476	-18.047
5	-.023	.005	13.2	-73.6	241.2	2.844	-14.671
6	-.032	.006	11.4	-64.4	239.4	2.257	-11.536
7	-.041	.008	9.7	-55.0	237.6	1.730	-8.789
8	-.052	.010	8.1	-45.4	235.7	1.278	-6.549
9	-.062	.012	6.5	-35.8	233.9	.906	-4.827
10	-.073	.014	4.9	-26.1	232.1	.658	-3.468

EXCENTRICIDADES RESULTANTES CABEZA -.112261963152 .021302458454
EXCENTRICIDADES 1 ORDEN CABEZA -.114174924601 .0216286083585

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	22.1	-115.5	250.3	6.293	-32.041
1	-.001	0.000	20.3	-108.1	248.4	5.589	-28.793
2	-.004	.001	18.6	-100.2	246.6	4.886	-25.371
3	-.009	.002	16.8	-91.8	244.8	4.194	-21.860
4	-.016	.003	15.0	-83.0	243.0	3.524	-18.344
5	-.024	.005	13.2	-74.0	241.2	2.886	-14.926
6	-.032	.006	11.5	-64.7	239.4	2.292	-11.737
7	-.042	.008	9.8	-55.3	237.6	1.757	-8.930
8	-.052	.010	8.1	-45.7	235.7	1.296	-6.627
9	-.063	.012	6.5	-36.0	233.9	.916	-4.865
10	-.074	.014	5.0	-26.2	232.1	.662	-3.492

EXCENTRICIDADES RESULTANTES CABEZA -.11303131224 .0214341309053
EXCENTRICIDADES 1 ORDEN CABEZA -.114174924601 .0216286083585

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	22.1	-115.8	250.3	6.343	-32.325
1	-.001	0.000	20.4	-108.3	248.4	5.631	-29.036
2	-.004	.001	18.6	-100.4	246.6	4.922	-25.593
3	-.009	.002	16.8	-92.0	244.8	4.227	-22.064
4	-.016	.003	15.0	-83.3	243.0	3.555	-18.529
5	-.024	.005	13.3	-74.2	241.2	2.913	-15.086
6	-.033	.006	11.5	-64.9	239.4	2.314	-11.865
7	-.043	.008	9.8	-55.4	237.6	1.774	-9.017
8	-.053	.010	8.2	-45.8	235.7	1.306	-6.675
9	-.064	.012	6.5	-36.1	233.9	.922	-4.888
10	-.075	.015	5.0	-26.3	232.1	.665	-3.506

EXCENTRICIDADES RESULTANTES CABEZA -.11349448997 .0215130155959
EXCENTRICIDADES 1 ORDEN CABEZA -.114174924601 .0216286083585

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	22.1	-115.9	250.3	6.371	-32.482
1	-.001	0.000	20.4	-108.5	248.4	5.655	-29.177
2	-.004	.001	18.6	-100.6	246.6	4.944	-25.724
3	-.009	.002	16.8	-92.2	244.8	4.248	-22.188
4	-.016	.003	15.1	-83.4	243.0	3.573	-18.644
5	-.024	.005	13.3	-74.3	241.2	2.929	-15.187
6	-.033	.006	11.5	-65.0	239.4	2.328	-11.945
7	-.043	.008	9.8	-55.5	237.6	1.784	-9.071
8	-.053	.010	8.2	-45.9	235.7	1.313	-6.705
9	-.064	.012	6.6	-36.2	233.9	.925	-4.902
10	-.075	.015	5.0	-26.4	232.1	.666	-3.515

EXCENTRICIDADES RESULTANTES CABEZA -.113770921656 .0215600353697
EXCENTRICIDADES 1 ORDEN CABEZA -.114174924601 .0216286083585

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	22.1	-116.0	250.3	6.386	-32.570
1	-.001	0.000	20.4	-108.6	248.4	5.669	-29.259
2	-.004	.001	18.6	-100.6	246.6	4.957	-25.803
3	-.009	.002	16.9	-92.3	244.8	4.260	-22.263
4	-.016	.003	15.1	-83.5	243.0	3.584	-18.713

7	-.035	-.002	12.3	-52.3	244.6	2.118	-8.165
8	-.044	-.002	15.7	-43.7	242.7	2.462	-6.382
9	-.053	-.002	19.1	-34.9	240.9	2.766	-4.913
10	-.063	-.002	22.5	-26.0	239.1	3.104	-3.577

EXCENTRICIDADES RESULTANTES CABEZA -.108842868578 .0941044040858
EXCENTRICIDADES 1 ORDEN CABEZA -.108908406524 .0941026858218
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 15 TANTEO 0

Fpx= -8.5 t Fpy= 6.5 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	35.5	-91.6	201.6	7.920	-19.392
1	-.001	0.000	29.3	-84.3	199.7	7.464	-21.086
2	-.003	.001	23.1	-76.8	197.9	6.035	-19.801
3	-.006	.002	16.9	-68.9	196.1	4.312	-17.296
4	-.011	.004	10.7	-60.8	194.3	2.601	-14.408
5	-.017	.006	4.5	-52.6	192.5	1.027	-11.489
6	-.024	.007	-1.6	-44.2	190.7	-.347	-8.721
7	-.031	.009	-7.7	-35.8	188.9	-1.472	-6.241
8	-.039	.011	-13.6	-27.2	187.0	-2.305	-4.179
9	-.047	.012	-19.4	-18.7	185.2	-2.856	-2.641
10	-.055	.014	-25.2	-10.1	183.4	-3.448	-1.384

EXCENTRICIDADES RESULTANTES CABEZA -.0549296378183 -.137227947416
EXCENTRICIDADES 1 ORDEN CABEZA -.109269356598 -.123773173391

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	38.3	-102.9	201.6	9.735	-25.644
1	-.001	0.000	32.1	-95.5	199.7	8.369	-24.552
2	-.004	.001	25.8	-87.7	197.9	6.587	-21.936
3	-.008	.003	19.5	-79.6	196.1	4.758	-18.788
4	-.013	.004	13.2	-71.3	194.3	3.031	-15.515
5	-.020	.006	7.0	-62.8	192.5	1.477	-12.331
6	-.027	.008	.8	-54.1	190.7	1.477	-9.406
7	-.036	.011	-5.4	-45.3	188.9	-.905	-6.930
8	-.044	.013	-11.4	-36.4	187.0	-1.672	-5.143
9	-.053	.015	-17.4	-27.5	185.2	-2.377	-3.777
10	-.062	.016	-23.2	-18.6	183.4	-3.105	-2.548

EXCENTRICIDADES RESULTANTES CABEZA -.101580897166 -.126624970188
EXCENTRICIDADES 1 ORDEN CABEZA -.109269356598 -.123773173391

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	38.7	-103.5	201.6	10.761	-28.786
1	-.001	0.000	32.5	-96.2	199.7	8.894	-26.256
2	-.004	.001	26.2	-88.4	197.9	6.911	-23.068
3	-.008	.003	19.9	-80.4	196.1	4.986	-19.654
4	-.014	.005	13.6	-72.1	194.3	3.197	-16.220
5	-.021	.007	7.4	-63.6	192.5	1.595	-12.906
6	-.029	.009	1.1	-54.9	190.7	.226	-9.910
7	-.038	.011	-5.0	-46.1	188.9	-.877	-7.300
8	-.047	.013	-11.0	-37.2	187.0	-1.732	-5.377
9	-.057	.015	-17.0	-28.3	185.2	-2.433	-3.946
10	-.067	.017	-22.8	-19.3	183.4	-3.142	-2.677

EXCENTRICIDADES RESULTANTES CABEZA -.105235921604 -.124518339441
EXCENTRICIDADES 1 ORDEN CABEZA -.109269356598 -.123773173391

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	38.8	-104.3	201.6	11.203	-30.259
1	-.001	0.000	32.6	-96.9	199.7	9.119	-27.130
2	-.004	.001	26.3	-89.1	197.9	7.053	-23.716
3	-.009	.003	20.0	-81.1	196.1	5.087	-20.195
4	-.015	.005	13.7	-72.7	194.3	3.269	-16.686
5	-.022	.007	7.4	-64.2	192.5	1.641	-13.300
6	-.030	.009	1.2	-55.4	190.7	.246	-10.206
7	-.039	.012	-4.9	-46.6	188.9	-.882	-7.538
8	-.049	.014	-11.0	-37.6	187.0	-1.753	-5.519
9	-.059	.016	-16.9	-28.7	185.2	-2.456	-4.036
10	-.069	.018	-22.8	-19.6	183.4	-3.156	-2.739

EXCENTRICIDADES RESULTANTES CABEZA -.10705964891 -.124249678959
EXCENTRICIDADES 1 ORDEN CABEZA -.109269356598 -.123773173391

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	38.9	-104.6	201.6	11.409	-30.921
1	-.001	0.000	32.7	-97.3	199.7	9.240	-27.575
2	-.004	.001	26.4	-89.5	197.9	7.139	-24.075
3	-.009	.003	20.1	-81.4	196.1	5.153	-20.514
4	-.015	.005	13.8	-73.1	194.3	3.318	-16.973
5	-.022	.007	7.5	-64.5	192.5	1.673	-13.551
6	-.031	.009	1.3	-55.7	190.7	.262	-10.400
7	-.040	.012	-4.9	-46.9	188.9	-.882	-7.686
8	-.050	.014	-10.9	-37.9	187.0	-1.764	-5.602
9	-.060	.016	-16.9	-28.9	185.2	-2.465	-4.084
10	-.070	.018	-22.7	-19.8	183.4	-3.161	-2.773

EXCENTRICIDADES RESULTANTES CABEZA -.108078525498 -.124038447815
EXCENTRICIDADES 1 ORDEN CABEZA -.109269356598 -.123773173391

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	38.9	-104.9	201.6	11.504	-31.226
1	-.001	0.000	32.7	-97.5	199.7	9.301	-27.802
2	-.004	.001	26.4	-89.7	197.9	7.186	-24.272
3	-.009	.003	20.1	-81.6	196.1	5.191	-20.696
4	-.015	.005	13.8	-73.3	194.3	3.347	-17.142
5	-.023	.007	7.6	-64.7	192.5	1.693	-13.703
6	-.031	.009	1.3	-55.9	190.7	.271	-10.521
7	-.040	.012	-4.8	-47.0	188.9	-.883	-7.776
8	-.050	.014	-10.9	-38.0	187.0	-1.770	-5.650
9	-.060	.016	-16.9	-29.0	185.2	-2.470	-4.110
10	-.071	.018	-22.7	-19.9	183.4	-3.163	-2.790

EXCENTRICIDADES RESULTANTES CABEZA -.108628420582 -.123911702625
EXCENTRICIDADES 1 ORDEN CABEZA -.109269356598 -.123773173391

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	39.0	-105.0	201.6	11.547	-31.370
1	-.001	0.000	32.7	-97.6	199.7	9.333	-27.919
2	-.004	.001	26.5	-89.8	197.9	7.211	-24.378
3	-.009	.003	20.2	-81.7	196.1	5.211	-20.798
4	-.015	.005	13.9	-73.4	194.3	3.364	-17.240
5	-.023	.007	7.6	-64.8	192.5	1.704	-13.792
6	-.031	.009	1.3	-56.0	190.7	.276	-10.594
7	-.040	.012	-4.8	-47.1	188.9	-.884	-7.828
8	-.050	.014	-10.9	-38.1	187.0	-1.773	-5.677
9	-.060	.016	-16.9	-29.1	185.2	-2.472	-4.123
10	-.071	.018	-22.7	-20.0	183.4	-3.164	-2.800

EXCENTRICIDADES RESULTANTES CABEZA -.108924692937 -.123844745317
EXCENTRICIDADES 1 ORDEN CABEZA -.109269356598 -.123773173391

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	39.0	-105.0	201.6	11.568	-31.439
1	-.001	0.000	32.8	-97.7	199.7	9.349	-27.979
2	-.004	.001	26.5	-89.9	197.9	7.225	-24.435
3	-.009	.003	20.2	-81.8	196.1	5.223	-20.854
4	-.015	.005	13.9	-73.4	194.3	3.373	-17.295
5	-.023	.007	7.6	-64.8	192.5	1.710	-13.844
6	-.031	.010	1.4	-56.0	190.7	.279	-10.636
7	-.041	.012	-4.8	-47.1	188.9	-.885	-7.858
8	-.050	.014	-10.9	-38.1	187.0	-1.775	-5.690
9	-.061	.016	-16.8	-29.1	185.2	-2.473	-4.130
10	-.071	.018	-22.7	-20.0	183.4	-3.164	-2.805

EXCENTRICIDADES RESULTANTES CABEZA -.109084082358 -.123810404206
EXCENTRICIDADES 1 ORDEN CABEZA -.109269356598 -.123773173391

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	39.0	-105.1	201.6	11.578	-31.473

1	-.001	0.000	32.8	-97.7	199.7	9.357	-28.010
2	-.004	.001	26.5	-89.9	197.9	7.232	-24.466
3	-.009	.003	20.2	-81.8	196.1	5.229	-20.885
4	-.015	.005	13.9	-73.4	194.3	3.378	-17.325
5	-.023	.007	7.6	-64.8	192.5	1.714	-13.873
6	-.031	.010	1.4	-56.1	190.7	.280	-10.661
7	-.041	.012	-4.8	-47.2	188.9	-.885	-7.875
8	-.050	.014	-10.9	-38.2	187.0	-1.776	-5.699
9	-.061	.016	-16.8	-29.1	185.2	-2.475	-4.135
10	-.071	.018	-22.7	-20.0	183.4	-3.165	-2.808

EXCENTRICIDADES RESULTANTES CABEZA -.109169162965 -.123792502877
EXCENTRICIDADES 1 ORDEN CABEZA -.109269356598 -.123773173391

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	39.0	-105.1	201.6	11.583	-31.490
1	-.001	0.000	32.8	-97.7	199.7	9.361	-28.027
2	-.004	.001	26.5	-89.9	197.9	7.236	-24.482
3	-.009	.003	20.2	-81.8	196.1	5.232	-20.901
4	-.015	.005	13.9	-73.5	194.3	3.380	-17.342
5	-.023	.007	7.6	-64.9	192.5	1.716	-13.889
6	-.031	.010	1.4	-56.1	190.7	.281	-10.675
7	-.041	.012	-4.8	-47.2	188.9	-.885	-7.882
8	-.050	.014	-10.9	-38.2	187.0	-1.777	-5.704
9	-.061	.016	-16.8	-29.1	185.2	-2.475	-4.138
10	-.071	.018	-22.7	-20.0	183.4	-3.166	-2.809

EXCENTRICIDADES RESULTANTES CABEZA -.109215879896 -.123783438443
EXCENTRICIDADES 1 ORDEN CABEZA -.109269356598 -.123773173391

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	39.0	-105.1	201.6	11.585	-31.493
1	-.001	0.000	32.8	-97.7	199.7	9.363	-28.030
2	-.004	.001	26.5	-89.9	197.9	7.237	-24.485
3	-.009	.003	20.2	-81.8	196.1	5.233	-20.905
4	-.015	.005	13.9	-73.5	194.3	3.381	-17.346
5	-.023	.007	7.6	-64.9	192.5	1.716	-13.894
6	-.031	.010	1.4	-56.1	190.7	.281	-10.680
7	-.041	.012	-4.8	-47.2	188.9	-.885	-7.889
8	-.050	.014	-10.9	-38.2	187.0	-1.777	-5.706
9	-.061	.016	-16.8	-29.1	185.2	-2.476	-4.139
10	-.071	.018	-22.7	-20.0	183.4	-3.166	-2.811

EXCENTRICIDADES RESULTANTES CABEZA -.109256540882 -.123776227091
EXCENTRICIDADES 1 ORDEN CABEZA -.109269356598 -.123773173391
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

PROGRAMA: FUSTE VERSION: Mayo 1997

PROYECTO: 10648-MAYORAD F2

FECHA : JUNIO 2001
DATOS CONTENIDOS EN EL FICHERO 10648m2

----------MATERIALES----------

HormigÆn fck=350Kp/cm2 Yf=1.50 Acero fyk= 5100Kp/cm2 Ys=1.15

-----CARACTERàSTICAS DE LA PILA-----

ALTURA: 8.41 m

RIGIDEZ SEGUN x: 0ton/m RIGIDEZ SEGUN y: 0ton/m
FLEXIBILIDAD SEGUN x: 0.0000000rad/mt FLEXIBILIDAD SEGUN y: 0.0000000rad/mt

-----GEOMETRàA DE LA SECCIçN CAJçN-----

DIM. EXTERNAS DEL CAJON: EN LA BASE: 80 X 80 cm. EN CABEZA: 80 X 80cm.

ESPESORES: (BASE) Ex: 40cm, Ey: 40cm (CABEZA) Ex: 40cm, Ey: 40cm

RECUBRIMIENTO: DE LA ARMADURA EXTERIOR: 5cm. DE LA ARMADURA INTERIOR: 5cm.

--------ARMADURAS (cm2)-------

SECCION	EXTERIORES: SEGUN X	SEGUN Y	INTERIORES: SEGUN X	SEGUN Y
0	38.440	38.440	0.000	0.000
1	38.440	38.440	0.000	0.000
2	38.440	38.440	0.000	0.000
3	38.440	38.440	0.000	0.000
4	38.440	38.440	0.000	0.000
5	38.440	38.440	0.000	0.000
6	38.440	38.440	0.000	0.000
7	38.440	38.440	0.000	0.000
8	38.440	38.440	0.000	0.000
9	38.440	38.440	0.000	0.000
10	38.440	38.440	0.000	0.000

PROGRAMA: FUSTE VERSION: Mayo 1997

----------ACCIONES----------

CLR es la Carga Linealmente Repartida, en t/m, en 11 secciones
La primera seccion es la de la base, y la ultima la de la cabeza

HIPçTESIS	Fx	Fy	Fz	Mx1	My1	Gampp					
1	-8.500	-.700	296.200	5.700	-41.500	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	-8.500	4.120	239.100	-22.500	-26.500	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	-8.500	-1.200	272.900	7.960	-51.200	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	-1.740	-18.800	144.000	64.030	-5.100	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.32	.32	.32	.32	.32	.32	.32	.32	.32	.32	.32
5	-3.600	-1.030	164.700	5.600	-6.700	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.32	.32	.32	.32	.32	.32	.32	.32	.32	.32	.32
6	-1.740	16.800	185.400	-52.800	-5.100	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	-.32	-.32	-.32	-.32	-.32	-.32	-.32	-.32	-.32	-.32	-.32
7	.090	-1.030	164.700	5.600	-3.500	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	-.32	-.32	-.32	-.32	-.32	-.32	-.32	-.32	-.32	-.32	-.32
8	-9.000	-.700	296.200	5.700	-42.000	1.35					
CLR, X:	-.10	-.10	-.10	-.10	-.10	-.10	-.10	-.10	-.10	-.10	-.10
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	-8.500	-1.200	232.900	-4.980	-26.500	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	-.10	-.10	-.10	-.10	-.10	-.10	-.10	-.10	-.10	-.10	-.10
10	-9.030	4.100	239.100	-22.500	-27.000	1.35					
CLR, X:	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	-8.400	-1.200	272.900	8.000	-49.700	1.35					
CLR, X:	-.10	-.10	-.10	-.10	-.10	-.10	-.10	-.10	-.10	-.10	-.10
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROGRAMA: FUSTE VERSION: Mayo 1997

HIPçTESIS	Fx	Fy	Fz	Mx1	My1	Gampp					
12	-8.500	4.700	302.400	-11.800	-41.500	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
13	-8.500	9.500	245.300	-40.000	-26.500	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10
14	-7.900	4.100	239.100	-22.500	-26.000	1.35					
CLR, X:	-.10	-.10	-.10	-.10	-.10	-.10	-.10	-.10	-.10	-.10	-.10
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	-8.500	4.100	279.100	-9.600	-49.200	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10	.10

PROGRAMA: FUSTE (PICO) VERSION: Mayo 1997 *

COMPROBACION DE PILAS

RESULTADOS CORRESPONDIENTES A LOS DATOS CONTENIDOS EN EL FICHERO 10648m2

PROYECTO: 10648-MAYORAD F2

FECHA: JUNIO 2001

Dim. base : Lx = .80 m Ly = .80 m . Espesores ex = .40 m ey = .40 m
Dim. cabeza: Lx = .80 m Ly = .80 m . Espesores ex = .40 m ey = .40 m
MATERIALES . HormigEn fck= 350 cm2. Yf=1.50 Acero fyk= 5100 cm2 Ys=1.15

DEFINICIONES

flch.x : FLECHA SEGUN EL EJE LONGITUDINAL (X) EN LA CABEZA DEL FUSTE
flch.y : FLECHA SEGUN EL EJE PERPENDICULAR (Y) EN LA CABEZA DEL FUSTE
Momx : MOMENTO DE EJE X, EN CABEZA DEL FUSTE
Momy : MOMENTO DE EJE Y, EN CABEZA DEL FUSTE
curv.x : CURVATURA SEGUN EJE X EN CABEZA DEL FUSTE
curv.y : CURVATURA SEGUN EJE Y EN CABEZA DEL FUSTE

HIPOTESIS 1 TANTEO 0

Fpx= -8.5 t Fpy= -.7 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-.2	-113.1	314.4	-.027	-21.651
1	-.001	-0.000	.4	-105.7	312.5	-.027	-22.957
2	-.003	-0.000	1.0	-97.8	310.7	-.027	-21.866
3	-.007	-0.000	1.6	-89.5	308.9	.378	-19.600
4	-.012	0.000	2.2	-80.7	307.1	.496	-16.847
5	-.019	0.000	2.7	-71.6	305.3	.591	-13.969
6	-.026	0.000	3.3	-62.2	303.5	.661	-11.172
7	-.035	0.000	3.8	-52.6	301.7	.704	-8.600
8	-.044	.001	4.4	-42.9	299.8	.719	-6.365
9	-.053	.001	4.9	-33.0	298.0	.707	-4.561
10	-.063	.001	5.4	-23.1	296.2	.734	-3.140

EXCENTRICIDADES RESULTANTES CABEZA -.077823679399 .018190603658
EXCENTRICIDADES 1 ORDEN CABEZA -.140108035111 .0192437542201

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	.1	-133.0	314.4	.734	-28.832
1	-.001	0.000	.7	-125.5	312.5	.734	-27.986
2	-.004	0.000	1.3	-117.3	310.7	.308	-25.635
3	-.009	0.000	1.8	-108.5	308.9	.422	-22.603
4	-.015	0.000	2.4	-99.3	307.1	.516	-19.328
5	-.023	0.000	2.9	-89.6	305.3	.587	-16.064
6	-.032	.001	3.5	-79.7	303.5	.633	-12.998
7	-.042	.001	4.0	-69.5	301.7	.651	-10.299
8	-.052	.001	4.5	-59.0	299.8	.645	-8.154
9	-.063	.002	4.9	-48.5	298.0	.674	-6.605
10	-.075	.002	5.4	-37.8	296.2	.738	-5.147

EXCENTRICIDADES RESULTANTES CABEZA -.127679273743 .0183036052768
EXCENTRICIDADES 1 ORDEN CABEZA -.140108035111 .0192437542201

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	.4	-135.9	314.4	.738	-33.547
1	-.001	0.000	1.0	-128.4	312.5	.266	-31.330
2	-.005	0.000	1.6	-120.2	310.7	.402	-28.236

3	-.010	0.000	2.1	-111.3	308.9	.520	-24.759
4	-.017	0.000	2.7	-102.0	307.1	.616	-21.149
5	-.026	0.000	3.2	-92.1	305.3	.687	-17.595
6	-.036	.001	3.8	-82.0	303.5	.734	-14.263
7	-.047	.001	4.3	-71.5	301.7	.758	-11.314
8	-.058	.001	4.8	-60.8	299.8	.767	-8.881
9	-.071	.002	5.2	-50.0	298.0	.772	-6.943
10	-.083	.002	5.7	-39.0	296.2	.780	-5.319

EXCENTRICIDADES RESULTANTES CABEZA -.131758218527 .019285166801
EXCENTRICIDADES 1 ORDEN CABEZA -.140108035111 .0192437542201

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	.4	-138.4	314.4	.780	-36.488
1	-.001	0.000	1.0	-130.8	312.5	.780	-33.545
2	-.005	0.000	1.5	-122.5	310.7	.408	-30.069
3	-.011	0.000	2.1	-113.6	308.9	.527	-26.331
4	-.018	0.000	2.6	-104.1	307.1	.624	-22.501
5	-.028	.001	3.2	-94.1	305.3	.698	-18.731
6	-.038	.001	3.7	-83.7	303.5	.747	-15.178
7	-.050	.001	4.2	-73.0	301.7	.773	-12.002
8	-.062	.001	4.7	-62.1	299.8	.780	-9.324
9	-.075	.002	5.1	-51.0	298.0	.773	-7.157
10	-.089	.002	5.6	-39.8	296.2	.766	-5.428

EXCENTRICIDADES RESULTANTES CABEZA -.134385037539 .0188798626013
EXCENTRICIDADES 1 ORDEN CABEZA -.140108035111 .0192437542201

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	.5	-140.1	314.4	.766	-38.294
1	-.001	0.000	1.1	-132.5	312.5	.310	-35.002
2	-.005	0.000	1.7	-124.2	310.7	.452	-31.328
3	-.011	0.000	2.2	-115.1	308.9	.574	-27.443
4	-.019	0.000	2.8	-105.5	307.1	.674	-23.472
5	-.029	0.000	3.3	-95.4	305.3	.749	-19.552
6	-.040	.001	3.8	-84.9	303.5	.798	-15.834
7	-.052	.001	4.3	-74.1	301.7	.821	-12.479
8	-.065	.001	4.8	-63.0	299.8	.823	-9.621
9	-.079	.002	5.3	-51.7	298.0	.808	-7.306
10	-.093	.002	5.8	-40.4	296.2	.791	-5.506

EXCENTRICIDADES RESULTANTES CABEZA -.136237055057 .0194260024684
EXCENTRICIDADES 1 ORDEN CABEZA -.140108035111 .0192437542201

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	.5	-141.2	314.4	.791	-39.404
1	-.001	0.000	1.0	-133.6	312.5	.297	-35.950
2	-.005	0.000	1.6	-125.3	310.7	.442	-32.179
3	-.012	0.000	2.2	-116.2	308.9	.567	-28.211
4	-.020	0.000	2.7	-106.5	307.1	.670	-24.154
5	-.030	0.000	3.3	-96.3	305.3	.748	-20.134
6	-.041	.001	3.8	-85.7	303.5	.799	-16.299
7	-.054	.001	4.3	-74.8	301.7	.824	-12.814
8	-.067	.001	4.8	-63.6	299.8	.825	-9.826
9	-.081	.002	5.2	-52.2	298.0	.807	-7.413
10	-.096	.002	5.7	-40.7	296.2	.786	-5.562

EXCENTRICIDADES RESULTANTES CABEZA -.137516003568 .0192531630818
EXCENTRICIDADES 1 ORDEN CABEZA -.140108035111 .0192437542201

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	.5	-142.0	314.4	.786	-40.097
1	-.001	0.000	1.0	-134.4	312.5	.300	-36.568
2	-.005	0.000	1.6	-126.0	310.7	.447	-32.749
3	-.012	0.000	2.2	-116.9	308.9	.573	-28.733
4	-.020	0.000	2.7	-107.2	307.1	.677	-24.623
5	-.030	0.000	3.3	-96.9	305.3	.756	-20.537
6	-.042	.001	3.8	-86.3	303.5	.808	-16.622
7	-.054	.001	4.3	-75.3	301.7	.832	-13.046
8	-.068	.001	4.8	-64.0	299.8	.831	-9.968
9	-.082	.002	5.2	-52.6	298.0	.811	-7.487
10	-.097	.002	5.7	-41.0	296.2	.787	-5.599

EXCENTRICIDADES RESULTANTES CABEZA -.138381413178 .0192264689759
EXCENTRICIDADES 1 ORDEN CABEZA -.140108035111 .0192437542201

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	.5	-142.5	314.4	.787	-40.535
1	-.001	0.000	1.0	-134.9	312.5	.304	-36.972
2	-.005	0.000	1.6	-126.5	310.7	.451	-33.127
3	-.012	0.000	2.2	-117.4	308.9	.579	-29.085
4	-.020	0.000	2.7	-107.6	307.1	.684	-24.941
5	-.031	0.000	3.3	-97.3	305.3	.763	-20.812
6	-.042	.001	3.8	-86.6	303.5	.815	-16.844
7	-.055	.001	4.3	-75.6	301.7	.839	-13.205
8	-.069	.001	4.8	-64.3	299.8	.837	-10.066
9	-.083	.002	5.2	-52.8	298.0	.814	-7.538
10	-.098	.002	5.7	-41.2	296.2	.788	-5.624

EXCENTRICIDADES RESULTANTES CABEZA -.138961241836 .0192261912097
EXCENTRICIDADES 1 ORDEN CABEZA -.140108035111 .0192437542201

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	.5	-142.8	314.4	.788	-40.815
1	-.001	0.000	1.0	-135.2	312.5	.307	-37.237
2	-.006	0.000	1.6	-126.8	310.7	.455	-33.378
3	-.012	0.000	2.2	-117.7	308.9	.583	-29.319
4	-.020	0.000	2.7	-107.9	307.1	.688	-25.155
5	-.031	0.000	3.3	-97.6	305.3	.768	-20.999
6	-.043	.001	3.8	-86.9	303.5	.820	-16.995
7	-.056	.001	4.3	-75.8	301.7	.844	-13.314
8	-.069	.001	4.8	-64.5	299.8	.841	-10.132
9	-.084	.002	5.2	-52.9	298.0	.817	-7.573
10	-.099	.002	5.7	-41.3	296.2	.789	-5.641

EXCENTRICIDADES RESULTANTES CABEZA -.139347564271 .0192304048811
EXCENTRICIDADES 1 ORDEN CABEZA -.140108035111 .0192437542201

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	.5	-143.1	314.4	.789	-40.997
1	-.001	0.000	1.0	-135.5	312.5	.309	-37.411
2	-.006	0.000	1.6	-127.0	310.7	.457	-33.544
3	-.012	0.000	2.2	-117.9	308.9	.586	-29.475
4	-.021	0.000	2.7	-108.1	307.1	.692	-25.298
5	-.031	0.000	3.3	-97.8	305.3	.772	-21.124
6	-.043	.001	3.8	-87.0	303.5	.824	-17.096
7	-.056	.001	4.3	-75.9	301.7	.847	-13.387
8	-.070	.001	4.8	-64.6	299.8	.844	-10.177
9	-.085	.002	5.2	-53.0	298.0	.819	-7.596
10	-.100	.002	5.7	-41.4	296.2	.790	-5.653

EXCENTRICIDADES RESULTANTES CABEZA -.139604405185 .0192343946275
EXCENTRICIDADES 1 ORDEN CABEZA -.140108035111 .0192437542201

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	.5	-143.2	314.4	.790	-41.115
1	-.001	0.000	1.1	-135.6	312.5	.310	-37.526
2	-.006	0.000	1.6	-127.2	310.7	.459	-33.654
3	-.012	0.000	2.2	-118.0	308.9	.588	-29.579
4	-.021	0.000	2.7	-108.2	307.1	.694	-25.393
5	-.031	0.000	3.3	-97.9	305.3	.774	-21.208
6	-.043	.001	3.8	-87.1	303.5	.826	-17.165
7	-.056	.001	4.3	-76.0	301.7	.849	-13.437
8	-.070	.001	4.8	-64.7	299.8	.845	-10.205
9	-.085	.002	5.2	-53.1	298.0	.820	-7.611
10	-.100	.002	5.7	-41.4	296.2	.790	-5.660

EXCENTRICIDADES RESULTANTES CABEZA -.139775148598 .0192374242064
EXCENTRICIDADES 1 ORDEN CABEZA -.140108035111 .0192437542201

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	.5	-143.3	314.4	.790	-41.193
1	-.001	0.000	1.1	-135.7	312.5	.311	-37.601
2	-.006	0.000	1.6	-127.3	310.7	.460	-33.727
3	-.012	0.000	2.2	-118.1	308.9	.589	-29.647
4	-.021	0.000	2.7	-108.3	307.1	.695	-25.456

5	-.031	0.000	3.3	-98.0	305.3	.776	-21.264	
6	-.043	.001	3.8	-87.2	303.5	.828	-17.211	
7	-.056	.001	4.3	-76.1	301.7	.851	-13.470	
8	-.070	.001	4.8	-64.7	299.8	.847	-10.227	
9	-.085	.002	5.2	-53.1	298.0	.821	-7.622	
10	-.100	.002	5.7	-41.4	296.2	.791	-5.665	

EXCENTRICIDADES RESULTANTES CABEZA -.139887397797 .0192394668532
EXCENTRICIDADES 1 ORDEN CABEZA -.140108035111 .0192437542201

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	.5	-143.4	314.4	.791	-41.244
1	-.001	0.000	1.1	-135.8	312.5	.312	-37.651
2	-.006	0.000	1.6	-127.3	310.7	.461	-33.775
3	-.012	0.000	2.2	-118.2	308.9	.590	-29.693
4	-.021	0.000	2.7	-108.4	307.1	.696	-25.498
5	-.031	0.000	3.3	-98.0	305.3	.777	-21.301
6	-.043	.001	3.8	-87.3	303.5	.829	-17.241
7	-.056	.001	4.3	-76.1	301.7	.852	-13.488
8	-.070	.001	4.8	-64.7	299.8	.847	-10.240
9	-.085	.002	5.2	-53.2	298.0	.822	-7.628
10	-.100	.002	5.7	-41.5	296.2	.791	-5.669

EXCENTRICIDADES RESULTANTES CABEZA -.139963202761 .0192409517127
EXCENTRICIDADES 1 ORDEN CABEZA -.140108035111 .0192437542201

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	.5	-143.4	314.4	.791	-41.277
1	-.001	0.000	1.1	-135.8	312.5	.312	-37.683
2	-.006	0.000	1.6	-127.4	310.7	.461	-33.806
3	-.012	0.000	2.2	-118.2	308.9	.591	-29.723
4	-.021	0.000	2.7	-108.4	307.1	.697	-25.525
5	-.031	0.000	3.3	-98.1	305.3	.777	-21.318
6	-.043	.001	3.8	-87.3	303.5	.830	-17.256
7	-.056	.001	4.3	-76.2	301.7	.853	-13.505
8	-.070	.001	4.8	-64.8	299.8	.848	-10.248
9	-.085	.002	5.2	-53.2	298.0	.822	-7.634
10	-.101	.002	5.7	-41.5	296.2	.791	-5.671

EXCENTRICIDADES RESULTANTES CABEZA -.140015619014 .0192419456654
EXCENTRICIDADES 1 ORDEN CABEZA -.140108035111 .0192437542201
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 2 TANTEO 0

Fpx= -8.5 t Fpy= 4.12 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.2	-98.1	257.3	2.583	-19.026
1	-.001	0.000	8.7	-90.8	255.4	2.052	-20.084
2	-.003	0.000	5.1	-83.1	253.6	1.244	-18.859
3	-.006	.001	1.6	-75.1	251.8	.379	-16.597
4	-.011	.001	-1.9	-66.8	250.0	-.440	-13.961
5	-.016	.001	-5.5	-58.3	248.2	-1.164	-11.293
6	-.023	.002	-9.0	-49.6	246.4	-1.765	-8.769
7	-.030	.002	-12.5	-40.8	244.6	-2.221	-6.521
8	-.037	.002	-16.0	-31.9	242.7	-2.519	-4.657
9	-.045	.001	-19.4	-22.9	240.9	-2.750	-3.182
10	-.053	.001	-22.7	-13.9	239.1	-3.078	-1.880

EXCENTRICIDADES RESULTANTES CABEZA -.058145631025 -.0950464423953
EXCENTRICIDADES 1 ORDEN CABEZA -.110832287746 -.0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.4	-111.9	257.3	2.934	-24.706
1	-.001	0.000	8.9	-104.5	255.4	2.153	-23.653
2	-.003	0.000	5.4	-96.6	253.6	1.273	-21.292
3	-.007	.001	1.8	-88.3	251.8	.415	-18.407
4	-.013	.001	-1.7	-79.7	250.0	-.364	-15.406
5	-.019	.001	-5.3	-70.9	248.2	-1.030	-12.499
6	-.027	.002	-8.8	-61.8	246.4	-1.561	-9.863
7	-.035	.002	-12.3	-52.6	244.6	-1.939	-7.675
8	-.043	.002	-15.8	-43.3	242.7	-2.239	-6.006
9	-.052	.002	-19.2	-33.9	240.9	-2.603	-4.584
10	-.062	.001	-22.6	-24.5	239.1	-3.021	-3.273

EXCENTRICIDADES RESULTANTES CABEZA -.102395126547 -.0945734534914
EXCENTRICIDADES 1 ORDEN CABEZA -.110832287746 -.0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.5	-113.3	257.3	3.254	-28.026
1	-.001	0.000	9.0	-105.8	255.4	2.311	-25.742
2	-.004	0.000	5.5	-98.0	253.6	1.355	-22.789
3	-.008	.001	1.9	-89.7	251.8	.453	-19.594
4	-.014	.001	-1.6	-81.1	250.0	-.358	-16.380
5	-.021	.002	-5.2	-72.2	248.2	-1.055	-13.307
6	-.029	.002	-8.7	-63.0	246.4	-1.622	-10.531
7	-.038	.002	-12.2	-53.8	244.6	-2.062	-8.198
8	-.047	.002	-15.7	-44.4	242.7	-2.401	-6.360
9	-.056	.002	-19.2	-34.9	240.9	-2.716	-4.839
10	-.067	.002	-22.5	-25.3	239.1	-3.077	-3.448

EXCENTRICIDADES RESULTANTES CABEZA -.105827099641 -.0943014521784
EXCENTRICIDADES 1 ORDEN CABEZA -.110832287746 -.0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.6	-114.4	257.3	3.417	-29.856
1	-.001	0.000	9.1	-107.0	255.4	2.394	-26.980
2	-.004	0.000	5.5	-99.1	253.6	1.399	-23.752
3	-.009	.001	2.0	-90.8	251.8	.473	-20.396
4	-.015	.001	-1.6	-82.1	250.0	-.359	-17.057
5	-.022	.002	-5.2	-73.1	248.2	-1.075	-13.870
6	-.030	.002	-8.7	-63.9	246.4	-1.660	-10.979
7	-.039	.002	-12.2	-54.5	244.6	-2.114	-8.523
8	-.049	.002	-15.7	-45.0	242.7	-2.456	-6.562
9	-.059	.002	-19.1	-35.4	240.9	-2.754	-4.966
10	-.070	.002	-22.5	-25.8	239.1	-3.094	-3.529

EXCENTRICIDADES RESULTANTES CABEZA -.107734569365 -.094208682813
EXCENTRICIDADES 1 ORDEN CABEZA -.110832287746 -.0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.6	-115.2	257.3	3.503	-30.846
1	-.001	0.000	9.1	-107.7	255.4	2.442	-27.709
2	-.004	0.000	5.6	-99.8	253.6	1.426	-24.356
3	-.009	.001	2.0	-91.4	251.8	.485	-20.919
4	-.015	.001	-1.6	-82.7	250.0	-.360	-17.510
5	-.023	.002	-5.1	-73.7	248.2	-1.088	-14.248
6	-.031	.002	-8.7	-64.4	246.4	-1.684	-11.275
7	-.040	.002	-12.2	-55.0	244.6	-2.146	-8.728
8	-.050	.002	-15.7	-45.4	242.7	-2.487	-6.681
9	-.061	.002	-19.1	-35.8	240.9	-2.772	-5.038
10	-.072	.002	-22.5	-26.0	239.1	-3.101	-3.576

EXCENTRICIDADES RESULTANTES CABEZA -.108942488005 -.0941599697726
EXCENTRICIDADES 1 ORDEN CABEZA -.110832287746 -.0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.6	-115.6	257.3	3.548	-31.381
1	-.001	0.000	9.1	-108.2	255.4	2.469	-28.134
2	-.004	0.000	5.6	-100.2	253.6	1.442	-24.727
3	-.009	.001	2.0	-91.9	251.8	.492	-21.252
4	-.015	.001	-1.6	-83.1	250.0	-.361	-17.803
5	-.023	.002	-5.1	-74.1	248.2	-1.098	-14.496
6	-.032	.002	-8.7	-64.8	246.4	-1.701	-11.467
7	-.041	.002	-12.2	-55.3	244.6	-2.166	-8.857
8	-.051	.002	-15.7	-45.7	242.7	-2.504	-6.754
9	-.062	.002	-19.1	-36.0	240.9	-2.782	-5.082
10	-.073	.002	-22.5	-26.2	239.1	-3.105	-3.605

EXCENTRICIDADES RESULTANTES CABEZA -.109690785114 -.0941330550323
EXCENTRICIDADES 1 ORDEN CABEZA -.110832287746 -.0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.6	-115.9	257.3	3.573	-31.673
1	-.001	0.000	9.1	-108.4	255.4	2.484	-28.383
2	-.004	0.000	5.6	-100.5	253.6	1.452	-24.952
3	-.009	.001	2.0	-92.1	251.8	.496	-21.459
4	-.016	.001	-1.6	-83.3	250.0	-.362	-17.989
5	-.023	.002	-5.1	-74.3	248.2	-1.104	-14.654
6	-.032	.002	-8.7	-65.0	246.4	-1.711	-11.589
7	-.041	.002	-12.2	-55.5	244.6	-2.178	-8.938
8	-.052	.002	-15.7	-45.9	242.7	-2.515	-6.799
9	-.062	.002	-19.1	-36.1	240.9	-2.789	-5.109
10	-.073	.002	-22.5	-26.3	239.1	-3.108	-3.623

EXCENTRICIDADES RESULTANTES CABEZA -.110145994369 -.0941184852428
EXCENTRICIDADES 1 ORDEN CABEZA -.110832287746 -.0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.6	-116.0	257.3	3.586	-31.836
1	-.001	0.000	9.1	-108.6	255.4	2.493	-28.528
2	-.004	0.000	5.6	-100.6	253.6	1.458	-25.088
3	-.009	.001	2.0	-92.3	251.8	.499	-21.586
4	-.016	.001	-1.6	-83.5	250.0	-.363	-18.105
5	-.023	.002	-5.1	-74.4	248.2	-1.108	-14.753
6	-.032	.002	-8.7	-65.1	246.4	-1.718	-11.665
7	-.042	.002	-12.2	-55.6	244.6	-2.186	-8.988
8	-.052	.002	-15.7	-45.9	242.7	-2.522	-6.827
9	-.063	.002	-19.1	-36.2	240.9	-2.793	-5.125
10	-.074	.002	-22.5	-26.4	239.1	-3.110	-3.634

EXCENTRICIDADES RESULTANTES CABEZA -.11042063567 -.09411097346
EXCENTRICIDADES 1 ORDEN CABEZA -.110832287746 -.0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.6	-116.1	257.3	3.593	-31.928
1	-.001	0.000	9.1	-108.7	255.4	2.498	-28.614
2	-.004	0.000	5.6	-100.7	253.6	1.461	-25.170
3	-.009	.001	2.0	-92.3	251.8	.500	-21.663
4	-.016	.001	-1.6	-83.6	250.0	-.364	-18.176
5	-.023	.002	-5.1	-74.5	248.2	-1.110	-14.814
6	-.032	.002	-8.7	-65.2	246.4	-1.722	-11.713
7	-.042	.002	-12.2	-55.7	244.6	-2.191	-9.019
8	-.052	.002	-15.7	-46.0	242.7	-2.526	-6.842
9	-.063	.002	-19.1	-36.3	240.9	-2.795	-5.134
10	-.074	.002	-22.5	-26.4	239.1	-3.111	-3.640

EXCENTRICIDADES RESULTANTES CABEZA -.110585757035 -.0941071971921
EXCENTRICIDADES 1 ORDEN CABEZA -.110832287746 -.0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.6	-116.2	257.3	3.597	-31.981
1	-.001	0.000	9.1	-108.7	255.4	2.501	-28.664
2	-.004	0.000	5.6	-100.8	253.6	1.463	-25.219
3	-.009	.001	2.0	-92.4	251.8	.501	-21.710
4	-.016	.001	-1.6	-83.6	250.0	-.364	-18.220
5	-.023	.002	-5.1	-74.5	248.2	-1.112	-14.852
6	-.032	.002	-8.7	-65.2	246.4	-1.725	-11.742
7	-.042	.002	-12.2	-55.7	244.6	-2.193	-9.035
8	-.052	.002	-15.7	-46.0	242.7	-2.529	-6.853
9	-.063	.002	-19.1	-36.3	240.9	-2.797	-5.140
10	-.074	.002	-22.5	-26.5	239.1	-3.111	-3.644

EXCENTRICIDADES RESULTANTES CABEZA -.110685082482 -.0941052379715
EXCENTRICIDADES 1 ORDEN CABEZA -.110832287746 -.0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.6	-116.2	257.3	3.599	-32.011
1	-.001	0.000	9.1	-108.8	255.4	2.503	-28.694
2	-.004	0.000	5.6	-100.8	253.6	1.464	-25.248
3	-.009	.001	2.0	-92.4	251.8	.502	-21.739
4	-.016	.001	-1.6	-83.7	250.0	-.364	-18.246
5	-.024	.002	-5.1	-74.6	248.2	-1.113	-14.875
6	-.032	.002	-8.7	-65.2	246.4	-1.726	-11.760
7	-.042	.002	-12.2	-55.7	244.6	-2.195	-9.048
8	-.052	.002	-15.7	-46.1	242.7	-2.530	-6.859
9	-.063	.002	-19.1	-36.3	240.9	-2.798	-5.144
10	-.074	.002	-22.5	-26.5	239.1	-3.112	-3.646

EXCENTRICIDADES RESULTANTES CABEZA -.110743535619 -.0941040566103
EXCENTRICIDADES 1 ORDEN CABEZA -.110832287746 -.0941028858218
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 3 TANTEO 0

Fpx= -8.5 t Fpy= -1.2 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-2.1	-122.8	291.1	-.479	-25.131
1	-.001	-0.000	-1.1	-115.4	289.2	-.286	-27.559
2	-.004	-0.000	-.1	-107.4	287.4	-.286	-26.772
3	-.008	-0.000	.9	-98.9	285.6	-.286	-24.403
4	-.015	-0.000	2.0	-90.0	283.8	.496	-21.350
5	-.023	-0.000	3.0	-80.6	282.0	.719	-18.057
6	-.032	-0.000	4.0	-70.9	280.2	.904	-14.763
7	-.042	-0.000	5.0	-61.0	278.4	1.045	-11.606
8	-.054	-0.000	5.9	-50.9	276.5	1.137	-8.715
9	-.065	0.000	6.9	-40.6	274.7	1.174	-6.212
10	-.077	.001	7.8	-30.2	272.9	1.155	-4.201

EXCENTRICIDADES RESULTANTES CABEZA -.110618259535 .0286300621267
EXCENTRICIDADES 1 ORDEN CABEZA -.18761451081 .0291681934775

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-2.0	-145.7	291.1	-.505	-34.710
1	-.001	-0.000	-1.0	-138.0	289.2	-.505	-34.319
2	-.005	-0.000	.1	-129.7	287.4	-.505	-31.911
3	-.011	-0.000	1.1	-120.7	285.6	.277	-28.570
4	-.019	-0.000	2.1	-111.2	283.8	.511	-24.844
5	-.028	-0.000	3.1	-101.1	282.0	.711	-20.995
6	-.040	-0.000	4.1	-90.7	280.2	.869	-17.219
7	-.052	-0.000	5.1	-80.0	278.4	.979	-13.674
8	-.065	-0.000	6.1	-69.0	276.5	1.037	-10.542
9	-.079	0.000	7.0	-57.9	274.7	1.039	-8.047
10	-.094	0.000	8.0	-46.6	272.9	1.077	-6.300

EXCENTRICIDADES RESULTANTES CABEZA -.170909890313 .0292059003219
EXCENTRICIDADES 1 ORDEN CABEZA -.18761451081 .0291681934775

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-2.0	-149.3	291.1	-.578	-40.878
1	-.001	-0.000	-1.0	-141.7	289.2	-.578	-38.688
2	-.006	-0.000	0.0	-133.3	287.4	-.578	-35.377
3	-.012	-0.000	1.1	-124.2	285.6	.291	-31.511
4	-.021	-0.000	2.1	-114.5	283.8	.540	-27.389
5	-.032	-0.000	3.1	-104.3	282.0	.752	-23.177
6	-.045	-0.000	4.1	-93.6	280.2	.922	-19.053
7	-.058	-0.000	5.1	-82.6	278.4	1.046	-15.171
8	-.073	-0.000	6.1	-71.3	276.5	1.122	-11.719
9	-.089	0.000	7.0	-59.8	274.7	1.161	-8.888
10	-.105	0.000	8.0	-48.1	272.9	1.185	-6.706

EXCENTRICIDADES RESULTANTES CABEZA -.176320319253 .0291973241278
EXCENTRICIDADES 1 ORDEN CABEZA -.18761451081 .0291681934775

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-2.0	-152.4	291.1	-.619	-44.587
1	-.002	-0.000	-1.0	-144.7	289.2	-.619	-41.500
2	-.006	-0.000	0.0	-136.3	287.4	-.619	-37.741
3	-.013	-0.000	1.1	-127.0	285.6	.300	-33.594
4	-.023	-0.000	2.1	-117.2	283.8	.559	-29.239
5	-.034	-0.000	3.1	-106.7	282.0	.780	-24.801
6	-.048	-0.000	4.1	-95.8	280.2	.959	-20.426

7	-.063	-0.000	5.1	-84.5	278.4	1.090	-16.276
8	-.079	-0.000	6.1	-72.9	276.5	1.171	-12.544
9	-.095	0.000	7.0	-61.1	274.7	1.210	-9.416
10	-.113	0.000	8.0	-49.1	272.9	1.217	-6.949

EXCENTRICIDADES RESULTANTES CABEZA -.180007661172 .0291793141266
EXCENTRICIDADES 1 ORDEN CABEZA -.18761451081 .0291681934775

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-2.0	-154.4	291.1	-.642	-46.788
1	-.002	-0.000	-1.0	-146.8	289.2	-.642	-43.295
2	-.006	-0.000	0.0	-138.3	287.4	-.642	-39.322
3	-.014	-0.000	1.1	-128.9	285.6	.308	-35.028
4	-.024	-0.000	2.1	-118.9	283.8	.573	-30.538
5	-.036	-0.000	3.1	-108.4	282.0	.801	-25.956
6	-.050	-0.000	4.1	-97.3	280.2	.985	-21.415
7	-.065	-0.000	5.1	-85.8	278.4	1.120	-17.071
8	-.082	-0.000	6.1	-74.0	276.5	1.204	-13.124
9	-.100	0.000	7.0	-62.0	274.7	1.240	-9.772
10	-.118	0.000	8.0	-49.8	272.9	1.236	-7.113

EXCENTRICIDADES RESULTANTES CABEZA -.182573646926 .0291677583138
EXCENTRICIDADES 1 ORDEN CABEZA -.18761451081 .0291681934775

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-2.0	-155.8	291.1	-.656	-48.107
1	-.002	-0.000	-1.0	-148.1	289.2	-.656	-44.437
2	-.007	-0.000	0.0	-139.6	287.4	-.656	-40.363
3	-.014	-0.000	1.1	-130.2	285.6	.313	-35.991
4	-.024	-0.000	2.1	-120.1	283.8	.583	-31.422
5	-.037	-0.000	3.1	-109.5	282.0	.815	-26.753
6	-.051	-0.000	4.1	-98.3	280.2	1.003	-22.104
7	-.067	-0.000	5.1	-86.7	278.4	1.141	-17.629
8	-.084	-0.000	6.1	-74.8	276.5	1.226	-13.528
9	-.103	0.000	7.0	-62.6	274.7	1.259	-10.015
10	-.121	0.000	8.0	-50.3	272.9	1.248	-7.227

EXCENTRICIDADES RESULTANTES CABEZA -.184310748828 .029162629971
EXCENTRICIDADES 1 ORDEN CABEZA -.18761451081 .0291681934775

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-2.0	-156.7	291.1	-.663	-48.912
1	-.002	-0.000	-1.0	-149.0	289.2	-.663	-45.166
2	-.007	-0.000	0.0	-140.5	287.4	-.663	-41.042
3	-.014	-0.000	1.1	-131.1	285.6	.317	-36.627
4	-.025	-0.000	2.1	-120.9	283.8	.590	-32.012
5	-.038	-0.000	3.1	-110.2	282.0	.825	-27.289
6	-.052	-0.000	4.1	-98.9	280.2	1.016	-22.572
7	-.068	-0.000	5.1	-87.3	278.4	1.156	-18.011
8	-.086	-0.000	6.1	-75.3	276.5	1.241	-13.806
9	-.104	0.000	7.0	-63.0	274.7	1.272	-10.181
10	-.124	0.000	8.0	-50.6	272.9	1.256	-7.305

EXCENTRICIDADES RESULTANTES CABEZA -.185462113575 .0291615225898
EXCENTRICIDADES 1 ORDEN CABEZA -.18761451081 .0291681934775

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-2.0	-157.3	291.1	-.667	-49.413
1	-.002	-0.000	-1.0	-149.6	289.2	-.667	-45.632
2	-.007	-0.000	0.0	-141.0	287.4	-.667	-41.483
3	-.015	-0.000	1.1	-131.6	285.6	.320	-37.043
4	-.025	-0.000	2.1	-121.4	283.8	.595	-32.401
5	-.038	-0.000	3.1	-110.7	282.0	.832	-27.645
6	-.053	-0.000	4.2	-99.4	280.2	1.025	-22.885
7	-.069	-0.000	5.1	-87.6	278.4	1.166	-18.269
8	-.087	-0.000	6.1	-75.6	276.5	1.252	-13.994
9	-.106	0.000	7.0	-63.3	274.7	1.281	-10.294
10	-.125	0.000	8.0	-50.8	272.9	1.262	-7.358

EXCENTRICIDADES RESULTANTES CABEZA -.186217002032 .0291622891201
EXCENTRICIDADES 1 ORDEN CABEZA -.18761451081 .0291681934775

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-2.0	-157.6	291.1	-.670	-49.728

1	-.002	-0.000	-1.0	-150.0	289.2	-.670	-45.932
2	-.007	-0.000	0.0	-141.4	287.4	-.670	-41.768
3	-.015	-0.000	1.1	-132.0	285.6	.322	-37.313
4	-.025	-0.000	2.1	-121.8	283.8	.598	-32.654
5	-.038	-0.000	3.1	-111.0	282.0	.837	-27.878
6	-.053	-0.000	4.2	-99.6	280.2	1.030	-23.092
7	-.070	-0.000	5.1	-87.9	278.4	1.173	-18.440
8	-.087	-0.000	6.1	-75.8	276.5	1.259	-14.119
9	-.106	0.000	7.0	-63.5	274.7	1.287	-10.369
10	-.126	0.000	8.0	-51.0	272.9	1.266	-7.392

EXCENTRICIDADES RESULTANTES CABEZA -.186708997043 .0291636135332
EXCENTRICIDADES 1 ORDEN CABEZA -.18761451081 .0291681934775

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-2.0	-157.9	291.1	-.671	-49.929
1	-.002	-0.000	-1.0	-150.2	289.2	-.671	-46.124
2	-.007	-0.000	0.0	-141.6	287.4	-.671	-41.953
3	-.015	-0.000	1.1	-132.2	285.6	.323	-37.489
4	-.025	-0.000	2.1	-122.0	283.8	.600	-32.819
5	-.038	-0.000	3.1	-111.2	282.0	.840	-28.030
6	-.053	-0.000	4.2	-99.8	280.2	1.034	-23.227
7	-.070	-0.000	5.1	-88.0	278.4	1.177	-18.553
8	-.088	-0.000	6.1	-75.9	276.5	1.263	-14.202
9	-.107	0.000	7.0	-63.6	274.7	1.291	-10.419
10	-.126	0.000	8.0	-51.0	272.9	1.269	-7.416

EXCENTRICIDADES RESULTANTES CABEZA -.187028530826 .0291648853149
EXCENTRICIDADES 1 ORDEN CABEZA -.18761451081 .0291681934775

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-2.0	-158.0	291.1	-.672	-50.057
1	-.002	-0.000	-1.0	-150.4	289.2	-.672	-46.248
2	-.007	-0.000	0.0	-141.8	287.4	-.672	-42.072
3	-.015	-0.000	1.1	-132.3	285.6	.324	-37.602
4	-.026	-0.000	2.1	-122.1	283.8	.602	-32.926
5	-.039	-0.000	3.1	-111.3	282.0	.842	-28.129
6	-.054	-0.000	4.2	-99.9	280.2	1.037	-23.315
7	-.070	-0.000	5.1	-88.2	278.4	1.180	-18.627
8	-.088	-0.000	6.1	-76.0	276.5	1.266	-14.257
9	-.107	0.000	7.0	-63.6	274.7	1.293	-10.452
10	-.127	0.000	8.0	-51.1	272.9	1.270	-7.431

EXCENTRICIDADES RESULTANTES CABEZA -.187235612914 .0291659021059
EXCENTRICIDADES 1 ORDEN CABEZA -.18761451081 .0291681934775

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-2.0	-158.1	291.1	-.673	-50.140
1	-.002	-0.000	-1.0	-150.5	289.2	-.673	-46.328
2	-.007	-0.000	0.0	-141.9	287.4	-.673	-42.149
3	-.015	-0.000	1.1	-132.4	285.6	.324	-37.675
4	-.026	-0.000	2.1	-122.2	283.8	.603	-32.995
5	-.039	-0.000	3.1	-111.4	282.0	.843	-28.192
6	-.054	-0.000	4.2	-100.0	280.2	1.038	-23.373
7	-.070	-0.000	5.1	-88.2	278.4	1.182	-18.675
8	-.088	-0.000	6.1	-76.1	276.5	1.268	-14.293
9	-.107	0.000	7.0	-63.7	274.7	1.295	-10.470
10	-.127	0.000	8.0	-51.1	272.9	1.271	-7.440

EXCENTRICIDADES RESULTANTES CABEZA -.187369864913 .0291666716927
EXCENTRICIDADES 1 ORDEN CABEZA -.18761451081 .0291681934775

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-2.0	-158.2	291.1	-.673	-50.193
1	-.002	-0.000	-1.0	-150.5	289.2	-.673	-46.380
2	-.007	-0.000	0.0	-141.9	287.4	-.673	-42.198
3	-.015	-0.000	1.1	-132.5	285.6	.325	-37.723
4	-.026	-0.000	2.1	-122.3	283.8	.603	-33.040
5	-.039	-0.000	3.1	-111.5	282.0	.844	-28.234
6	-.054	-0.000	4.2	-100.1	280.2	1.039	-23.410
7	-.070	-0.000	5.1	-88.3	278.4	1.184	-18.707
8	-.088	-0.000	6.1	-76.1	276.5	1.270	-14.316

9	-.107	0.000	7.0	-63.7	274.7	1.296	-10.486
10	-.127	0.000	8.0	-51.2	272.9	1.272	-7.446

EXCENTRICIDADES RESULTANTES CABEZA -.187456235758 .0291671595222
EXCENTRICIDADES 1 ORDEN CABEZA -.18761451081 .0291681934775
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 4 TANTEO 0

Fpx= -1.74 t Fpy= -18.8 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-82.8	-19.8	162.2	-18.007	-4.467
1	-0.000	-.001	-69.1	-18.3	160.3	-17.819	-4.704
2	-.001	-.003	-54.9	-16.7	158.5	-14.177	-4.307
3	-.001	-.005	-40.3	-15.1	156.7	-9.560	-3.646
4	-.003	-.009	-25.5	-13.5	154.9	-5.141	-2.871
5	-.004	-.013	-10.3	-11.9	153.1	-1.644	-2.019
6	-.005	-.017	5.1	-10.2	151.3	.667	-1.337
7	-.007	-.021	20.7	-8.5	149.5	2.675	-1.103
8	-.008	-.025	36.4	-6.8	147.6	4.799	-.918
9	-.010	-.028	52.4	-5.2	145.8	7.884	-.856
10	-.012	-.031	68.5	-3.5	144.0	12.786	-.694

EXCENTRICIDADES RESULTANTES CABEZA -.023987374238 .475377892557
EXCENTRICIDADES 1 ORDEN CABEZA -.0354166666667 .444652777778

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-88.0	-21.7	162.2	-22.622	-5.570
1	-0.000	-.001	-74.2	-20.2	160.3	-19.086	-5.180
2	-.001	-.003	-59.9	-18.6	158.5	-14.139	-4.464
3	-.002	-.006	-45.2	-17.0	156.7	-9.097	-3.591
4	-.003	-.010	-30.3	-15.3	154.9	-4.810	-2.593
5	-.004	-.014	-15.0	-13.6	153.1	-1.970	-1.784
6	-.006	-.018	.5	-11.9	151.3	-1.970	-1.543
7	-.007	-.023	16.2	-10.2	149.5	2.136	-1.366
8	-.009	-.027	32.2	-8.5	147.6	4.820	-1.401
9	-.010	-.031	48.3	-6.7	145.8	8.966	-1.346
10	-.012	-.034	64.5	-5.0	144.0	14.899	-1.177

EXCENTRICIDADES RESULTANTES CABEZA -.0346457744923 .447597206811
EXCENTRICIDADES 1 ORDEN CABEZA -.0354166666667 .444652777778

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-88.0	-21.6	162.2	-24.667	-5.949
1	-0.000	-.001	-74.2	-20.1	160.3	-19.615	-5.278
2	-.001	-.003	-59.9	-18.6	158.5	-14.151	-4.456
3	-.002	-.006	-45.3	-16.9	156.7	-8.924	-3.527
4	-.003	-.010	-30.4	-15.3	154.9	-4.691	-2.520
5	-.004	-.015	-15.1	-13.6	153.1	-1.990	-1.794
6	-.006	-.019	.3	-11.9	151.3	-1.990	-1.563
7	-.007	-.023	16.0	-10.2	149.5	2.092	-1.344
8	-.009	-.028	31.9	-8.5	147.6	4.833	-1.418
9	-.011	-.032	48.0	-6.8	145.8	9.463	-1.427
10	-.012	-.035	64.2	-5.1	144.0	15.815	-1.257

EXCENTRICIDADES RESULTANTES CABEZA -.0352746108172 .445568322597
EXCENTRICIDADES 1 ORDEN CABEZA -.0354166666667 .444652777778

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-88.1	-21.6	162.2	-25.468	-6.105
1	-0.000	-.001	-74.3	-20.1	160.3	-19.851	-5.325
2	-.001	-.003	-60.0	-18.6	158.5	-14.175	-4.459
3	-.002	-.007	-45.4	-17.0	156.7	-8.867	-3.505
4	-.003	-.010	-30.5	-15.3	154.9	-4.662	-2.496
5	-.004	-.015	-15.2	-13.6	153.1	-2.004	-1.797
6	-.006	-.019	.2	-12.0	151.3	-2.004	-1.567
7	-.007	-.024	15.9	-10.3	149.5	2.077	-1.342
8	-.009	-.028	31.8	-8.5	147.6	4.826	-1.421
9	-.011	-.032	47.9	-6.8	145.8	9.685	-1.456
10	-.013	-.036	64.1	-5.1	144.0	16.177	-1.282

EXCENTRICIDADES RESULTANTES CABEZA -.0353468714858 .445056030703
EXCENTRICIDADES 1 ORDEN CABEZA -.0354166666667 .444652777778

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-88.2	-21.6	162.2	-25.766	-6.165
1	-0.000	-.001	-74.4	-20.1	160.3	-19.955	-5.347
2	-.001	-.003	-60.1	-18.6	158.5	-14.196	-4.463
3	-.002	-.007	-45.5	-17.0	156.7	-8.851	-3.498
4	-.003	-.011	-30.5	-15.3	154.9	-4.657	-2.491
5	-.004	-.015	-15.3	-13.7	153.1	-2.011	-1.799
6	-.006	-.019	.2	-12.0	151.3	-2.011	-1.568
7	-.007	-.024	15.9	-10.3	149.5	2.072	-1.342
8	-.009	-.028	31.8	-8.6	147.6	4.818	-1.421
9	-.011	-.032	47.9	-6.8	145.8	9.779	-1.469
10	-.013	-.036	64.1	-5.1	144.0	16.317	-1.292

EXCENTRICIDADES RESULTANTES CABEZA -.0353825523059 .444826179182
EXCENTRICIDADES 1 ORDEN CABEZA -.0354166666667 .444652777778

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-88.2	-21.6	162.2	-25.877	-6.187
1	-0.000	-.001	-74.4	-20.1	160.3	-20.000	-5.357
2	-.001	-.003	-60.1	-18.6	158.5	-14.210	-4.466
3	-.002	-.007	-45.5	-17.0	156.7	-8.850	-3.498
4	-.003	-.011	-30.5	-15.3	154.9	-4.658	-2.491
5	-.004	-.015	-15.3	-13.7	153.1	-2.014	-1.800
6	-.006	-.019	.2	-12.0	151.3	-2.014	-1.569
7	-.007	-.024	15.9	-10.3	149.5	2.069	-1.342
8	-.009	-.028	31.8	-8.6	147.6	4.814	-1.421
9	-.011	-.032	47.9	-6.8	145.8	9.819	-1.474
10	-.013	-.036	64.0	-5.1	144.0	16.369	-1.296

EXCENTRICIDADES RESULTANTES CABEZA -.0354003300002 .444729059911
EXCENTRICIDADES 1 ORDEN CABEZA -.0354166666667 .444652777778

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-88.2	-21.6	162.2	-25.918	-6.195
1	-0.000	-.001	-74.4	-20.1	160.3	-20.020	-5.361
2	-.001	-.003	-60.1	-18.6	158.5	-14.213	-4.467
3	-.002	-.007	-45.5	-17.0	156.7	-8.851	-3.498
4	-.003	-.011	-30.5	-15.3	154.9	-4.660	-2.491
5	-.004	-.015	-15.3	-13.7	153.1	-2.015	-1.801
6	-.006	-.019	.2	-12.0	151.3	-2.015	-1.570
7	-.007	-.024	15.9	-10.3	149.5	2.068	-1.342
8	-.009	-.028	31.8	-8.6	147.6	4.812	-1.421
9	-.011	-.032	47.8	-6.8	145.8	9.835	-1.477
10	-.013	-.036	64.0	-5.1	144.0	16.387	-1.298

EXCENTRICIDADES RESULTANTES CABEZA -.0354096170297 .444683499289
EXCENTRICIDADES 1 ORDEN CABEZA -.0354166666667 .444652777778
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 5 TANTEO 0

Fpx= -3.6 t Fpy= -1.03 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	8.3	-37.0	182.9	1.332	-5.422
1	-0.000	0.000	7.0	-33.9	181.0	1.128	-5.000
2	-.001	0.000	5.9	-30.8	179.2	.925	-4.421
3	-.002	0.000	5.0	-27.6	177.4	.753	-3.826
4	-.003	.001	4.4	-24.4	175.6	.619	-3.274
5	-.004	.001	4.0	-21.2	173.8	.529	-2.781
6	-.006	.001	3.7	-17.9	172.0	.489	-2.333
7	-.007	.002	3.8	-14.6	170.2	.490	-1.899
8	-.009	.002	4.0	-11.2	168.3	.520	-1.465

9	-.011	.002	4.5	-7.9	166.5	.580	-1.030
10	-.013	.003	5.1	-4.6	164.7	.667	-.593

EXCENTRICIDADES RESULTANTES CABEZA -.0276705785795 .0311546656599
EXCENTRICIDADES 1 ORDEN CABEZA -.0406800242866 .0340012143291

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	8.8	-39.5	182.9	1.419	-5.795
1	-0.000	0.000	7.5	-36.4	181.0	1.174	-5.203
2	-.001	0.000	6.4	-33.2	179.2	.957	-4.588
3	-.002	0.000	5.5	-30.0	177.4	.781	-4.017
4	-.003	.001	4.9	-26.8	175.6	.653	-3.514
5	-.004	.001	4.5	-23.5	173.8	.581	-3.061
6	-.006	.001	4.2	-20.1	172.0	.552	-2.624
7	-.008	.002	4.2	-16.8	170.2	.552	-2.183
8	-.010	.002	4.5	-13.4	168.3	.581	-1.741
9	-.012	.003	4.9	-10.0	166.5	.638	-1.297
10	-.014	.003	5.6	-6.6	164.7	.725	-.853

EXCENTRICIDADES RESULTANTES CABEZA -.0398281150686 .0338322938162
EXCENTRICIDADES 1 ORDEN CABEZA -.0406800242866 .0340012143291

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	8.8	-39.4	182.9	1.455	-5.927
1	-0.000	0.000	7.5	-36.3	181.0	1.191	-5.266
2	-.001	0.000	6.4	-33.2	179.2	.971	-4.632
3	-.002	0.000	5.5	-30.0	177.4	.796	-4.054
4	-.003	.001	4.9	-26.8	175.6	.668	-3.539
5	-.004	.001	4.5	-23.5	173.8	.587	-3.073
6	-.006	.001	4.2	-20.2	172.0	.553	-2.631
7	-.008	.002	4.2	-16.8	170.2	.554	-2.193
8	-.010	.002	4.5	-13.5	168.3	.583	-1.753
9	-.012	.003	4.9	-10.1	166.5	.641	-1.311
10	-.014	.003	5.6	-6.7	164.7	.727	-.868

EXCENTRICIDADES RESULTANTES CABEZA -.0405289789016 .0339523610053
EXCENTRICIDADES 1 ORDEN CABEZA -.0406800242866 .0340012143291

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	8.8	-39.4	182.9	1.470	-5.980
1	-0.000	0.000	7.5	-36.3	181.0	1.198	-5.290
2	-.001	0.000	6.4	-33.2	179.2	.976	-4.647
3	-.002	0.000	5.5	-30.0	177.4	.800	-4.064
4	-.003	.001	4.9	-26.8	175.6	.670	-3.545
5	-.004	.001	4.5	-23.5	173.8	.589	-3.076
6	-.006	.001	4.2	-20.2	172.0	.554	-2.633
7	-.008	.002	4.3	-16.8	170.2	.554	-2.195
8	-.010	.002	4.5	-13.5	168.3	.584	-1.755
9	-.012	.003	4.9	-10.1	166.5	.642	-1.313
10	-.014	.003	5.6	-6.7	164.7	.728	-.870

EXCENTRICIDADES RESULTANTES CABEZA -.0406272712434 .0339849372923
EXCENTRICIDADES 1 ORDEN CABEZA -.0406800242866 .0340012143291

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	8.8	-39.4	182.9	1.475	-6.001
1	-0.000	0.000	7.5	-36.4	181.0	1.201	-5.298
2	-.001	0.000	6.4	-33.2	179.2	.977	-4.652
3	-.002	0.000	5.5	-30.0	177.4	.802	-4.068
4	-.003	.001	4.9	-26.8	175.6	.671	-3.547
5	-.004	.001	4.5	-23.5	173.8	.589	-3.077
6	-.006	.001	4.2	-20.2	172.0	.554	-2.634
7	-.008	.002	4.3	-16.8	170.2	.555	-2.196
8	-.010	.002	4.5	-13.5	168.3	.584	-1.756
9	-.012	.003	4.9	-10.1	166.5	.642	-1.314
10	-.014	.003	5.6	-6.7	164.7	.728	-.871

EXCENTRICIDADES RESULTANTES CABEZA -.0406607072794 .0339956081739
EXCENTRICIDADES 1 ORDEN CABEZA -.0406800242866 .0340012143291

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	8.8	-39.4	182.9	1.477	-6.008
1	-0.000	0.000	7.5	-36.4	181.0	1.202	-5.303
2	-.001	0.000	6.4	-33.2	179.2	.978	-4.653
3	-.002	0.000	5.5	-30.0	177.4	.802	-4.069
4	-.003	.001	4.9	-26.8	175.6	.671	-3.548
5	-.004	.001	4.5	-23.5	173.8	.589	-3.077
6	-.006	.001	4.3	-20.2	172.0	.554	-2.634
7	-.008	.002	4.3	-16.9	170.2	.555	-2.196
8	-.010	.002	4.5	-13.5	168.3	.584	-1.756
9	-.012	.003	4.9	-10.1	166.5	.642	-1.314
10	-.014	.003	5.6	-6.7	164.7	.728	-.871

EXCENTRICIDADES RESULTANTES CABEZA -.0406724216461 .0339990665606
EXCENTRICIDADES 1 ORDEN CABEZA -.0406800242866 .0340012143291
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 6 TANTEO 0

Fpx= -1.74 t Fpy= 16.8 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	77.2	-19.8	203.6	14.867	-4.101
1	-0.000	.001	65.2	-18.3	201.7	14.268	-4.198
2	-.001	.002	52.7	-16.7	199.9	11.379	-3.798
3	-.001	.004	39.8	-15.1	198.1	7.820	-3.178
4	-.002	.007	26.5	-13.5	196.3	4.477	-2.469
5	-.003	.011	13.1	-11.8	194.5	1.860	-1.749
6	-.005	.014	-.7	-10.1	192.7	1.860	-1.326
7	-.006	.017	-14.7	-8.4	190.9	-1.922	-1.101
8	-.007	.021	-28.8	-6.7	189.0	-3.778	-.875
9	-.009	.024	-43.1	-4.9	187.2	-5.748	-.682
10	-.010	.026	-57.6	-3.2	185.4	-8.530	-.527

EXCENTRICIDADES RESULTANTES CABEZA -.0173133868616 -.310795910083
EXCENTRICIDADES 1 ORDEN CABEZA -.0275080906149 -.284789644013

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	82.7	-21.9	203.6	18.050	-5.021
1	-0.000	.001	70.6	-20.4	201.7	15.196	-4.620
2	-.001	.002	58.0	-18.8	199.9	11.359	-3.942
3	-.001	.005	45.0	-17.2	198.1	7.561	-3.136
4	-.002	.008	31.7	-15.5	196.3	4.507	-2.289
5	-.004	.011	18.1	-13.8	194.5	2.378	-1.808
6	-.005	.015	4.3	-12.0	192.7	.559	-1.580
7	-.006	.018	-9.8	-10.3	190.9	-1.288	-1.349
8	-.008	.022	-24.1	-8.5	189.0	-3.207	-1.170
9	-.009	.025	-38.5	-6.7	187.2	-5.686	-1.101
10	-.011	.028	-53.1	-5.0	185.4	-9.248	-.948

EXCENTRICIDADES RESULTANTES CABEZA -.0267127203718 -.286413663401
EXCENTRICIDADES 1 ORDEN CABEZA -.0275080906149 -.284789644013

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	82.6	-21.9	203.6	19.631	-5.369
1	-0.000	.001	70.5	-20.4	201.7	15.626	-4.727
2	-.001	.002	57.9	-18.8	199.9	11.355	-3.945
3	-.002	.005	45.0	-17.2	198.1	7.459	-3.100
4	-.003	.008	31.7	-15.5	196.3	4.485	-2.292
5	-.004	.012	18.1	-13.8	194.5	2.389	-1.823
6	-.005	.015	4.3	-12.1	192.7	.567	-1.589
7	-.006	.019	-9.7	-10.4	190.9	-1.275	-1.360
8	-.008	.023	-24.0	-8.6	189.0	-3.166	-1.149
9	-.010	.026	-38.4	-6.8	187.2	-5.666	-1.115
10	-.011	.029	-52.9	-5.1	185.4	-9.573	-1.000

EXCENTRICIDADES RESULTANTES CABEZA -.0273235087716 -.28557726923
EXCENTRICIDADES 1 ORDEN CABEZA -.0275080906149 -.284789644013

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	82.8	-21.9	203.6	20.365	-5.528
1	-0.000	.001	70.6	-20.4	201.7	15.850	-4.779
2	-.001	.003	58.0	-18.8	199.9	11.380	-3.950

3	-.002	.005	45.1	-17.2	198.1	7.439	-3.088
4	-.003	.008	31.8	-15.5	196.3	4.498	-2.293
5	-.004	.012	18.2	-13.8	194.5	2.404	-1.826
6	-.005	.016	4.4	-12.1	192.7	.580	-1.592
7	-.007	.019	-9.6	-10.4	190.9	-1.263	-1.362
8	-.008	.023	-23.9	-8.6	189.0	-3.152	-1.149
9	-.010	.026	-38.3	-6.9	187.2	-5.650	-1.117
10	-.011	.029	-52.9	-5.1	185.4	-9.712	-1.016

EXCENTRICIDADES RESULTANTES CABEZA -.0274190514335 -.285215175268
EXCENTRICIDADES 1 ORDEN CABEZA -.0275080906149 -.284789644013

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	82.8	-21.9	203.6	20.699	-5.601
1	-0.000	.001	70.7	-20.4	201.7	15.965	-4.806
2	-.001	.003	58.1	-18.8	199.9	11.406	-3.957
3	-.002	.005	45.2	-17.2	198.1	7.443	-3.088
4	-.003	.008	31.9	-15.6	196.3	4.509	-2.296
5	-.004	.012	18.3	-13.9	194.5	2.412	-1.828
6	-.005	.016	4.5	-12.1	192.7	.587	-1.593
7	-.007	.019	-9.6	-10.4	190.9	-1.257	-1.364
8	-.008	.023	-23.8	-8.6	189.0	-3.145	-1.149
9	-.010	.026	-38.3	-6.9	187.2	-5.639	-1.117
10	-.011	.029	-52.8	-5.1	185.4	-9.770	-1.023

EXCENTRICIDADES RESULTANTES CABEZA -.027458349267 -.285011061651
EXCENTRICIDADES 1 ORDEN CABEZA -.0275080906149 -.284789644013

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	82.9	-21.9	203.6	20.849	-5.633
1	-0.000	.001	70.7	-20.4	201.7	16.024	-4.820
2	-.001	.003	58.2	-18.9	199.9	11.425	-3.962
3	-.002	.005	45.2	-17.2	198.1	7.450	-3.090
4	-.003	.008	31.9	-15.6	196.3	4.516	-2.299
5	-.004	.012	18.3	-13.9	194.5	2.417	-1.829
6	-.005	.016	4.5	-12.1	192.7	.591	-1.594
7	-.007	.019	-9.6	-10.4	190.9	-1.253	-1.365
8	-.008	.023	-23.8	-8.6	189.0	-3.141	-1.150
9	-.010	.027	-38.2	-6.9	187.2	-5.632	-1.117
10	-.011	.030	-52.8	-5.1	185.4	-9.792	-1.026

EXCENTRICIDADES RESULTANTES CABEZA -.0274815839396 -.284901581076
EXCENTRICIDADES 1 ORDEN CABEZA -.0275080906149 -.284789644013

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	82.9	-21.9	203.6	20.915	-5.648
1	-0.000	.001	70.8	-20.4	201.7	16.054	-4.827
2	-.001	.003	58.2	-18.9	199.9	11.433	-3.964
3	-.002	.005	45.2	-17.2	198.1	7.455	-3.092
4	-.003	.009	31.9	-15.6	196.3	4.520	-2.301
5	-.004	.012	18.3	-13.9	194.5	2.419	-1.830
6	-.005	.016	4.5	-12.1	192.7	.593	-1.594
7	-.007	.019	-9.5	-10.4	190.9	-1.251	-1.365
8	-.008	.023	-23.8	-8.6	189.0	-3.139	-1.150
9	-.010	.027	-38.2	-6.9	187.2	-5.628	-1.117
10	-.011	.030	-52.8	-5.1	185.4	-9.800	-1.028

EXCENTRICIDADES RESULTANTES CABEZA -.0274949824987 -.284843145573
EXCENTRICIDADES 1 ORDEN CABEZA -.0275080906149 -.284789644013

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	82.9	-21.9	203.6	20.945	-5.654
1	-0.000	.001	70.8	-20.4	201.7	16.069	-4.831
2	-.001	.003	58.2	-18.9	199.9	11.442	-3.967
3	-.002	.005	45.2	-17.2	198.1	7.458	-3.093
4	-.003	.009	31.9	-15.6	196.3	4.522	-2.302
5	-.004	.012	18.4	-13.9	194.5	2.420	-1.830
6	-.005	.016	4.5	-12.1	192.7	.594	-1.595
7	-.007	.020	-9.5	-10.4	190.9	-1.250	-1.365
8	-.008	.023	-23.8	-8.6	189.0	-3.138	-1.150
9	-.010	.027	-38.2	-6.9	187.2	-5.626	-1.117
10	-.011	.030	-52.8	-5.1	185.4	-9.802	-1.028

EXCENTRICIDADES RESULTANTES CABEZA -.0275009188982 -.284818465768
EXCENTRICIDADES 1 ORDEN CABEZA -.0275080906149 -.284789644013
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 7 TANTEO 0

Fpx= .09 t Fpy= -1.03 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-26.6	.8	182.9	-3.530	.111
1	0.000	-0.000	-23.6	.7	181.0	-3.092	.111
2	0.000	-0.000	-20.7	.6	179.2	-2.707	.111
3	0.000	-.001	-18.0	.5	177.4	-2.358	.111
4	0.000	-.002	-15.6	.4	175.6	-2.035	.111
5	0.000	-.003	-13.3	.4	173.8	-1.740	.111
6	0.000	-.004	-11.3	.3	172.0	-1.472	.111
7	0.000	-.005	-9.5	.2	170.2	-1.232	.111
8	0.000	-.006	-7.8	.1	168.3	-1.020	.111
9	0.000	-.007	-6.4	0.0	166.5	-.838	.111
10	0.000	-.008	-5.2	-.1	164.7	-.683	.111

EXCENTRICIDADES RESULTANTES CABEZA -.000387956345413 -.03186925947
EXCENTRICIDADES 1 ORDEN CABEZA 0 -.04

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-28.1	.8	182.9	-3.692	.111
1	0.000	-0.000	-25.1	.8	181.0	-3.280	.111
2	0.000	-0.000	-22.2	.7	179.2	-2.903	.111
3	0.000	-.001	-19.5	.6	177.4	-2.551	.111
4	0.000	-.002	-17.0	.5	175.6	-2.225	.111
5	0.000	-.003	-14.8	.4	173.8	-1.925	.111
6	0.000	-.004	-12.7	.3	172.0	-1.653	.111
7	0.000	-.005	-10.8	.3	170.2	-1.408	.111
8	0.000	-.006	-9.1	.2	168.3	-1.191	.111
9	0.000	-.008	-7.7	.1	166.5	-1.002	.111
10	0.000	-.009	-6.5	-0.0	164.7	-.843	.111

EXCENTRICIDADES RESULTANTES CABEZA -1.62630325873E-19 -.0393463779553
EXCENTRICIDADES 1 ORDEN CABEZA 0 -.04

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-28.1	.8	182.9	-3.704	.111
1	0.000	-0.000	-25.1	.7	181.0	-3.280	.111
2	0.000	-0.000	-22.2	.7	179.2	-2.904	.111
3	0.000	-.001	-19.5	.6	177.4	-2.554	.111
4	0.000	-.002	-17.1	.5	175.6	-2.229	.111
5	0.000	-.003	-14.8	.4	173.8	-1.932	.111
6	0.000	-.004	-12.7	.3	172.0	-1.661	.111
7	0.000	-.005	-10.9	.3	170.2	-1.418	.111
8	0.000	-.006	-9.2	.2	168.3	-1.202	.111
9	0.000	-.008	-7.8	.1	166.5	-1.015	.111
10	0.000	-.009	-6.6	-0.0	164.7	-.857	.111

EXCENTRICIDADES RESULTANTES CABEZA -1.62630325873E-19 -.0399820456816
EXCENTRICIDADES 1 ORDEN CABEZA 0 -.04

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-28.1	.8	182.9	-3.705	.111
1	0.000	-0.000	-25.1	.7	181.0	-3.280	.111
2	0.000	-0.000	-22.2	.7	179.2	-2.903	.111
3	0.000	-.001	-19.5	.6	177.4	-2.553	.111
4	0.000	-.002	-17.1	.5	175.6	-2.229	.111
5	0.000	-.003	-14.8	.4	173.8	-1.931	.111
6	0.000	-.004	-12.7	.3	172.0	-1.661	.111
7	0.000	-.005	-10.9	.3	170.2	-1.418	.111
8	0.000	-.006	-9.2	.2	168.3	-1.203	.111
9	0.000	-.008	-7.8	.1	166.5	-1.016	.111
10	0.000	-.009	-6.6	-0.0	164.7	-.857	.111

EXCENTRICIDADES RESULTANTES CABEZA -1.62630325873E-19 -.0400013649333
EXCENTRICIDADES 1 ORDEN CABEZA 0 -.04
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 8 TANTEO 0

Fpx= -9 t Fpy= -.7 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-.2	-121.3	314.4	-.027	-23.994
1	-.001	-0.000	.4	-112.8	312.5	-.027	-25.685
2	-.004	-0.000	1.0	-103.8	310.7	-.027	-24.426
3	-.008	-0.000	1.6	-94.4	308.9	.395	-21.751
4	-.014	0.000	2.2	-84.6	307.1	.517	-18.519
5	-.021	0.000	2.7	-74.4	305.3	.614	-15.168
6	-.029	0.000	3.3	-64.1	303.5	.684	-11.945
7	-.039	0.000	3.8	-53.5	301.7	.724	-9.004
8	-.048	.001	4.4	-42.9	299.8	.733	-6.476
9	-.059	.001	4.9	-32.3	298.0	.711	-4.475
10	-.069	.001	5.4	-21.6	296.2	.732	-2.945

EXCENTRICIDADES RESULTANTES CABEZA -.07301080333 .0181531765277
EXCENTRICIDADES 1 ORDEN CABEZA -.141796083727 .0192437542201

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	.2	-143.4	314.4	.732	-32.568
1	-.001	0.000	.7	-134.6	312.5	.732	-31.608
2	-.005	0.000	1.3	-125.3	310.7	.324	-28.811
3	-.010	0.000	1.9	-115.4	308.9	.443	-25.215
4	-.017	0.000	2.4	-105.0	307.1	.539	-21.364
5	-.026	.001	2.9	-94.3	305.3	.609	-17.541
6	-.036	.001	3.5	-83.2	303.5	.652	-13.969
7	-.047	.001	4.0	-72.0	301.7	.665	-10.843
8	-.059	.001	4.5	-60.6	299.8	.650	-8.395
9	-.071	.002	5.0	-49.2	298.0	.674	-6.702
10	-.084	.002	5.4	-37.7	296.2	.738	-5.134

EXCENTRICIDADES RESULTANTES CABEZA -.127360260474 .0182965958895
EXCENTRICIDADES 1 ORDEN CABEZA -.141796083727 .0192437542201

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	.4	-146.8	314.4	.738	-38.219
1	-.001	0.000	1.0	-138.1	312.5	.282	-35.557
2	-.005	0.000	1.6	-128.7	310.7	.425	-31.863
3	-.011	0.000	2.2	-118.7	308.9	.546	-27.741
4	-.019	0.000	2.7	-108.2	307.1	.643	-23.492
5	-.029	0.000	3.2	-97.2	305.3	.714	-19.323
6	-.040	.001	3.8	-85.9	303.5	.758	-15.433
7	-.052	.001	4.3	-74.4	301.7	.776	-12.013
8	-.066	.001	4.8	-62.7	299.8	.777	-9.238
9	-.079	.002	5.2	-50.9	298.0	.776	-7.090
10	-.093	.002	5.7	-39.1	296.2	.778	-5.327

EXCENTRICIDADES RESULTANTES CABEZA -.131963740355 .0192607519138
EXCENTRICIDADES 1 ORDEN CABEZA -.141796083727 .0192437542201

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	.4	-149.7	314.4	.778	-41.726
1	-.001	-0.000	1.0	-141.0	312.5	.290	-38.176
2	-.006	0.000	1.6	-131.5	310.7	.436	-34.028
3	-.012	0.000	2.1	-121.3	308.9	.562	-29.604
4	-.021	0.000	2.7	-110.6	307.1	.663	-25.097
5	-.031	0.000	3.2	-99.5	305.3	.738	-20.677
6	-.043	.001	3.8	-87.9	303.5	.785	-16.526
7	-.056	.001	4.3	-76.1	301.7	.806	-12.836
8	-.070	.001	4.7	-64.2	299.8	.806	-9.771
9	-.085	.002	5.2	-52.1	298.0	.792	-7.344
10	-.100	.002	5.7	-40.0	296.2	.778	-5.454

EXCENTRICIDADES RESULTANTES CABEZA -.135004563241 .0191739039333
EXCENTRICIDADES 1 ORDEN CABEZA -.141796083727 .0192437542201

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	.4	-151.7	314.4	.778	-43.873
1	-.002	0.000	1.0	-143.0	312.5	.305	-39.900
2	-.006	0.000	1.6	-133.4	310.7	.454	-35.524
3	-.013	0.000	2.2	-123.2	308.9	.582	-30.930
4	-.022	0.000	2.7	-112.4	307.1	.685	-26.264
5	-.033	0.000	3.2	-101.0	305.3	.762	-21.672
6	-.045	.001	3.8	-89.3	303.5	.810	-17.327
7	-.059	.001	4.3	-77.4	301.7	.830	-13.424
8	-.074	.001	4.8	-65.2	299.8	.827	-10.137
9	-.089	.002	5.2	-53.0	298.0	.806	-7.526
10	-.105	.002	5.7	-40.6	296.2	.781	-5.546

EXCENTRICIDADES RESULTANTES CABEZA -.137173015369 .0191797760154
EXCENTRICIDADES 1 ORDEN CABEZA -.141796083727 .0192437542201

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	.5	-153.1	314.4	.781	-45.197
1	-.002	0.000	1.0	-144.3	312.5	.316	-41.031
2	-.006	0.000	1.6	-134.7	310.7	.468	-36.540
3	-.013	0.000	2.2	-124.4	308.9	.597	-31.853
4	-.023	0.000	2.7	-113.5	307.1	.702	-27.088
5	-.034	0.000	3.3	-102.1	305.3	.780	-22.382
6	-.047	.001	3.8	-90.3	303.5	.829	-17.901
7	-.061	.001	4.3	-78.2	301.7	.848	-13.843
8	-.076	.001	4.8	-65.9	299.8	.842	-10.395
9	-.092	.002	5.2	-53.5	298.0	.815	-7.657
10	-.108	.002	5.7	-41.1	296.2	.785	-5.610

EXCENTRICIDADES RESULTANTES CABEZA -.138677927042 .0191949614591
EXCENTRICIDADES 1 ORDEN CABEZA -.141796083727 .0192437542201

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	.5	-154.0	314.4	.785	-46.027
1	-.002	0.000	1.1	-145.2	312.5	.325	-41.774
2	-.006	0.000	1.6	-135.6	310.7	.477	-37.225
3	-.013	0.000	2.2	-125.3	308.9	.608	-32.483
4	-.023	0.000	2.7	-114.3	307.1	.714	-27.659
5	-.034	0.000	3.3	-102.9	305.3	.793	-22.879
6	-.047	.001	3.8	-91.0	303.5	.842	-18.305
7	-.062	.001	4.3	-78.8	301.7	.861	-14.137
8	-.077	.001	4.8	-66.4	299.8	.852	-10.576
9	-.093	.002	5.2	-53.9	298.0	.823	-7.750
10	-.110	.002	5.7	-41.4	296.2	.787	-5.655

EXCENTRICIDADES RESULTANTES CABEZA -.139703412976 .0192085667284
EXCENTRICIDADES 1 ORDEN CABEZA -.141796083727 .0192437542201

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	.5	-154.6	314.4	.787	-46.558
1	-.002	0.000	1.1	-145.9	312.5	.330	-42.263
2	-.006	0.000	1.6	-136.2	310.7	.484	-37.683
3	-.014	0.000	2.2	-125.9	308.9	.615	-32.910
4	-.023	0.000	2.8	-114.9	307.1	.722	-28.048
5	-.035	0.000	3.3	-103.4	305.3	.802	-23.220
6	-.048	.001	3.8	-91.4	303.5	.851	-18.586
7	-.063	.001	4.3	-79.2	301.7	.870	-14.342
8	-.078	.001	4.8	-66.8	299.8	.860	-10.702
9	-.095	.002	5.2	-54.2	298.0	.828	-7.815
10	-.111	.002	5.7	-41.6	296.2	.790	-5.685

EXCENTRICIDADES RESULTANTES CABEZA -.140395649315 .0192190696572
EXCENTRICIDADES 1 ORDEN CABEZA -.141796083727 .0192437542201

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	.5	-155.0	314.4	.790	-46.901
1	-.002	0.000	1.1	-146.3	312.5	.334	-42.586
2	-.006	0.000	1.6	-136.6	310.7	.488	-37.988
3	-.014	0.000	2.2	-126.3	308.9	.621	-33.196
4	-.023	0.000	2.8	-115.2	307.1	.728	-28.311

5	-.035	0.000	3.3	-103.7	305.3	.808	-23.453
6	-.048	.001	3.8	-91.7	303.5	.858	-18.778
7	-.063	.001	4.3	-79.5	301.7	.876	-14.483
8	-.079	.001	4.8	-67.0	299.8	.865	-10.789
9	-.095	.002	5.2	-54.4	298.0	.831	-7.858
10	-.112	.002	5.7	-41.7	296.2	.791	-5.706

EXCENTRICIDADES RESULTANTES CABEZA -.140860613576 .0192267379407
EXCENTRICIDADES 1 ORDEN CABEZA -.141796083727 .0192437542201

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	.5	-155.3	314.4	.791	-47.126
1	-.002	0.000	1.1	-146.5	312.5	.337	-42.800
2	-.006	0.000	1.7	-136.9	310.7	.491	-38.192
3	-.014	0.000	2.2	-126.5	308.9	.624	-33.388
4	-.024	0.000	2.8	-115.5	307.1	.732	-28.488
5	-.035	0.000	3.3	-103.9	305.3	.812	-23.610
6	-.049	.001	3.8	-91.9	303.5	.862	-18.908
7	-.064	.001	4.3	-79.6	301.7	.880	-14.579
8	-.079	.001	4.8	-67.1	299.8	.868	-10.849
9	-.096	.002	5.3	-54.5	298.0	.833	-7.889
10	-.113	.002	5.7	-41.8	296.2	.792	-5.720

EXCENTRICIDADES RESULTANTES CABEZA -.141171723141 .0192321210243
EXCENTRICIDADES 1 ORDEN CABEZA -.141796083727 .0192437542201

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	.5	-155.5	314.4	.792	-47.274
1	-.002	0.000	1.1	-146.7	312.5	.339	-42.942
2	-.006	0.000	1.7	-137.1	310.7	.494	-38.328
3	-.014	0.000	2.2	-126.7	308.9	.626	-33.516
4	-.024	0.000	2.8	-115.6	307.1	.734	-28.606
5	-.035	0.000	3.3	-104.1	305.3	.815	-23.716
6	-.049	.001	3.8	-92.1	303.5	.865	-18.996
7	-.064	.001	4.3	-79.8	301.7	.883	-14.644
8	-.080	.001	4.8	-67.2	299.8	.870	-10.889
9	-.096	.002	5.3	-54.6	298.0	.835	-7.909
10	-.113	.002	5.7	-41.9	296.2	.793	-5.729

EXCENTRICIDADES RESULTANTES CABEZA -.141379780536 .0192358847053
EXCENTRICIDADES 1 ORDEN CABEZA -.141796083727 .0192437542201

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	.5	-155.6	314.4	.793	-47.372
1	-.002	0.000	1.1	-146.8	312.5	.340	-43.037
2	-.006	0.000	1.7	-137.2	310.7	.495	-38.418
3	-.014	0.000	2.2	-126.8	308.9	.628	-33.601
4	-.024	0.000	2.8	-115.7	307.1	.736	-28.685
5	-.035	0.000	3.3	-104.2	305.3	.817	-23.786
6	-.049	.001	3.8	-92.2	303.5	.867	-19.055
7	-.064	.001	4.3	-79.8	301.7	.885	-14.688
8	-.080	.001	4.8	-67.3	299.8	.872	-10.913
9	-.096	.002	5.3	-54.6	298.0	.836	-7.922
10	-.114	.002	5.7	-41.9	296.2	.793	-5.736

EXCENTRICIDADES RESULTANTES CABEZA -.141519084404 .019238492133
EXCENTRICIDADES 1 ORDEN CABEZA -.141796083727 .0192437542201

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	.5	-155.7	314.4	.793	-47.437
1	-.002	0.000	1.1	-146.9	312.5	.341	-43.099
2	-.006	0.000	1.7	-137.3	310.7	.496	-38.478
3	-.014	0.000	2.2	-126.9	308.9	.629	-33.658
4	-.024	0.000	2.8	-115.8	307.1	.737	-28.738
5	-.036	0.000	3.3	-104.2	305.3	.818	-23.833
6	-.049	.001	3.8	-92.2	303.5	.868	-19.095
7	-.064	.001	4.3	-79.9	301.7	.886	-14.718
8	-.080	.001	4.8	-67.4	299.8	.873	-10.933
9	-.097	.002	5.3	-54.7	298.0	.837	-7.931
10	-.114	.002	5.7	-41.9	296.2	.794	-5.740

EXCENTRICIDADES RESULTANTES CABEZA -.141611071642 .0192401899662
EXCENTRICIDADES 1 ORDEN CABEZA -.141796083727 .0192437542201

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	.5	-155.7	314.4	.794	-47.480
1	-.002	0.000	1.1	-147.0	312.5	.341	-43.141
2	-.006	0.000	1.7	-137.3	310.7	.497	-38.518
3	-.014	0.000	2.2	-126.9	308.9	.630	-33.696
4	-.024	0.000	2.8	-115.9	307.1	.738	-28.773
5	-.036	0.000	3.3	-104.3	305.3	.819	-23.865
6	-.049	.001	3.8	-92.3	303.5	.869	-19.121
7	-.064	.001	4.3	-79.9	301.7	.887	-14.734
8	-.080	.001	4.8	-67.4	299.8	.874	-10.945
9	-.097	.002	5.3	-54.7	298.0	.837	-7.937
10	-.114	.002	5.7	-42.0	296.2	.794	-5.743

EXCENTRICIDADES RESULTANTES CABEZA -.141673959646 .0192414219232
EXCENTRICIDADES 1 ORDEN CABEZA -.141796083727 .0192437542201
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 9 TANTEO 0

Fpx= -8.5 t Fpy= -1.2 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-18.6	-98.1	251.1	-3.987	-19.276
1	-.001	-0.000	-16.9	-90.8	249.2	-4.049	-20.472
2	-.003	-.001	-15.2	-83.1	247.4	-3.723	-19.289
3	-.006	-.001	-13.5	-75.1	245.6	-3.239	-17.019
4	-.011	-.002	-11.8	-66.8	243.8	-2.711	-14.349
5	-.017	-.003	-10.1	-58.3	242.0	-2.190	-11.623
6	-.023	-.005	-8.5	-49.6	240.2	-1.700	-9.014
7	-.030	-.006	-6.9	-40.8	238.4	-1.255	-6.654
8	-.038	-.007	-5.4	-31.9	236.5	-.866	-4.649
9	-.046	-.009	-3.9	-23.0	234.7	-.546	-3.092
10	-.054	-.011	-2.5	-14.0	232.9	-.339	-1.859

EXCENTRICIDADES RESULTANTES CABEZA -.0599467236318 -.0109254242678
EXCENTRICIDADES 1 ORDEN CABEZA -.113782739373 -.0213825676256

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-21.3	-111.9	251.1	-5.095	-25.175
1	-.001	-0.000	-19.6	-104.4	249.2	-4.788	-24.182
2	-.003	-.001	-17.8	-96.6	247.4	-4.271	-21.823
3	-.008	-.002	-16.1	-88.3	245.6	-3.682	-18.913
4	-.013	-.003	-14.3	-79.7	243.8	-3.084	-15.841
5	-.020	-.004	-12.6	-70.9	242.0	-2.505	-12.834
6	-.027	-.005	-10.9	-61.8	240.2	-1.963	-10.049
7	-.035	-.007	-9.2	-52.6	238.4	-1.471	-7.648
8	-.044	-.009	-7.6	-43.3	236.5	-1.048	-5.825
9	-.053	-.011	-6.0	-33.9	234.7	-.805	-4.515
10	-.063	-.012	-4.6	-24.5	232.9	-.606	-3.259

EXCENTRICIDADES RESULTANTES CABEZA -.105130949374 -.0195574517466
EXCENTRICIDADES 1 ORDEN CABEZA -.113782739373 -.0213825676256

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-21.6	-113.2	251.1	-5.687	-28.607
1	-.001	-0.000	-19.9	-105.8	249.2	-5.162	-26.336
2	-.004	-.001	-18.1	-97.9	247.4	-4.541	-23.368
3	-.008	-.002	-16.4	-89.6	245.6	-3.899	-20.137
4	-.014	-.003	-14.6	-81.0	243.8	-3.267	-16.850
5	-.022	-.004	-12.9	-72.1	242.0	-2.663	-13.667
6	-.030	-.006	-11.1	-63.0	240.2	-2.103	-10.734
7	-.038	-.008	-9.5	-53.7	238.4	-1.604	-8.205
8	-.048	-.009	-7.8	-44.3	236.5	-1.188	-6.206
9	-.058	-.011	-6.3	-34.8	234.7	-.859	-4.674
10	-.068	-.013	-4.8	-25.3	232.9	-.634	-3.368

EXCENTRICIDADES RESULTANTES CABEZA -.108617890387 -.020449885194
EXCENTRICIDADES 1 ORDEN CABEZA -.113782739373 -.0213825676256

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-21.8	-114.4	251.1	-6.010	-30.481
1	-.001	-0.000	-20.1	-107.0	249.2	-5.376	-27.597
2	-.004	-.001	-18.3	-99.1	247.4	-4.706	-24.353
3	-.009	-.002	-16.5	-90.7	245.6	-4.036	-20.959
4	-.015	-.003	-14.8	-82.0	243.8	-3.384	-17.549
5	-.023	-.004	-13.0	-73.1	242.0	-2.764	-14.250
6	-.031	-.006	-11.3	-63.9	240.2	-2.189	-11.201
7	-.040	-.008	-9.6	-54.5	238.4	-1.676	-8.553
8	-.050	-.010	-8.0	-45.0	236.5	-1.240	-6.416
9	-.061	-.012	-6.4	-35.4	234.7	-.884	-4.767
10	-.071	-.014	-4.9	-25.8	232.9	-.646	-3.430

EXCENTRICIDADES RESULTANTES CABEZA -.110608028538 -.0208362643382
EXCENTRICIDADES 1 ORDEN CABEZA -.113782739373 -.0213825676256

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-21.9	-115.1	251.1	-6.182	-31.471
1	-.001	-0.000	-20.2	-107.7	249.2	-5.500	-28.330
2	-.004	-.001	-18.4	-99.8	247.4	-4.807	-24.962
3	-.009	-.002	-16.7	-91.4	245.6	-4.124	-21.490
4	-.016	-.003	-14.9	-82.7	243.8	-3.461	-18.012
5	-.023	-.005	-13.1	-73.7	242.0	-2.830	-14.641
6	-.032	-.006	-11.4	-64.4	240.2	-2.245	-11.512
7	-.041	-.008	-9.7	-55.0	238.4	-1.720	-8.774
8	-.052	-.010	-8.0	-45.4	236.5	-1.269	-6.542
9	-.062	-.012	-6.4	-35.8	234.7	-.899	-4.826
10	-.073	-.014	-4.9	-26.1	232.9	-.653	-3.469

EXCENTRICIDADES RESULTANTES CABEZA -.111866160802 -.0210562893306
EXCENTRICIDADES 1 ORDEN CABEZA -.113782739373 -.0213825676256

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-22.0	-115.6	251.1	-6.275	-32.000
1	-.001	-0.000	-20.3	-108.1	249.2	-5.572	-28.753
2	-.004	-.001	-18.5	-100.2	247.4	-4.869	-25.333
3	-.009	-.002	-16.7	-91.8	245.6	-4.178	-21.823
4	-.016	-.003	-15.0	-83.1	243.8	-3.509	-18.309
5	-.024	-.005	-13.2	-74.0	242.0	-2.872	-14.896
6	-.032	-.006	-11.5	-64.7	240.2	-2.280	-11.714
7	-.042	-.008	-9.7	-55.3	238.4	-1.746	-8.914
8	-.052	-.010	-8.1	-45.7	236.5	-1.287	-6.620
9	-.063	-.012	-6.5	-36.0	234.7	-.909	-4.864
10	-.074	-.014	-4.9	-26.2	232.9	-.657	-3.493

EXCENTRICIDADES RESULTANTES CABEZA -.112635486222 -.0211877814512
EXCENTRICIDADES 1 ORDEN CABEZA -.113782739373 -.0213825676256

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-22.1	-115.8	251.1	-6.325	-32.286
1	-.001	-0.000	-20.3	-108.4	249.2	-5.614	-28.998
2	-.004	-.001	-18.6	-100.4	247.4	-4.906	-25.555
3	-.009	-.002	-16.8	-92.1	245.6	-4.212	-22.028
4	-.016	-.003	-15.0	-83.3	243.8	-3.540	-18.496
5	-.024	-.005	-13.2	-74.2	242.0	-2.899	-15.057
6	-.033	-.006	-11.5	-64.9	240.2	-2.302	-11.842
7	-.042	-.008	-9.8	-55.4	238.4	-1.763	-9.001
8	-.053	-.010	-8.1	-45.8	236.5	-1.298	-6.668
9	-.064	-.012	-6.5	-36.1	234.7	-.915	-4.887
10	-.075	-.014	-5.0	-26.3	232.9	-.659	-3.507

EXCENTRICIDADES RESULTANTES CABEZA -.113099265055 -.0212666468372
EXCENTRICIDADES 1 ORDEN CABEZA -.113782739373 -.0213825676256

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-22.1	-116.0	251.1	-6.353	-32.444
1	-.001	-0.000	-20.3	-108.5	249.2	-5.638	-29.140
2	-.004	-.001	-18.6	-100.6	247.4	-4.928	-25.688
3	-.009	-.002	-16.8	-92.2	245.6	-4.232	-22.153
4	-.016	-.003	-15.0	-83.4	243.8	-3.558	-18.611
5	-.024	-.005	-13.3	-74.4	242.0	-2.916	-15.157
6	-.033	-.006	-11.5	-65.1	240.2	-2.316	-11.921
7	-.043	-.008	-9.8	-55.6	238.4	-1.773	-9.055
8	-.053	-.010	-8.1	-45.9	236.5	-1.304	+6.697
9	-.064	-.012	-6.5	-36.2	234.7	-.918	-4.901
10	-.075	-.015	-5.0	-26.4	232.9	-.661	-3.516

EXCENTRICIDADES RESULTANTES CABEZA -.113376420452 -.0213137141952
EXCENTRICIDADES 1 ORDEN CABEZA -.113782739373 -.0213825676256

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-22.1	-116.1	251.1	-6.369	-32.533
1	-.001	-0.000	-20.4	-108.6	249.2	-5.652	-29.222
2	-.004	-.001	-18.6	-100.7	247.4	-4.941	-25.767
3	-.009	-.002	-16.8	-92.3	245.6	-4.244	-22.228
4	-.016	-.003	-15.0	-83.5	243.8	-3.570	-18.681
5	-.024	-.005	-13.3	-74.4	242.0	-2.926	-15.219
6	-.033	-.006	-11.5	-65.1	240.2	-2.324	-11.970
7	-.043	-.008	-9.8	-55.6	238.4	-1.779	-9.088
8	-.053	-.010	-8.1	-46.0	236.5	-1.308	-6.714
9	-.064	-.012	-6.5	-36.2	234.7	-.921	-4.909
10	-.076	-.015	-5.0	-26.4	232.9	-.662	-3.521

EXCENTRICIDADES RESULTANTES CABEZA -.113541572252 -.0213417505784
EXCENTRICIDADES 1 ORDEN CABEZA -.113782739373 -.0213825676256

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-22.1	-116.1	251.1	-6.378	-32.583
1	-.001	-0.000	-20.4	-108.7	249.2	-5.660	-29.270
2	-.004	-.001	-18.6	-100.7	247.4	-4.949	-25.814
3	-.009	-.002	-16.8	-92.3	245.6	-4.252	-22.274
4	-.016	-.003	-15.0	-83.6	243.8	-3.576	-18.723
5	-.024	-.005	-13.3	-74.5	242.0	-2.932	-15.256
6	-.033	-.006	-11.5	-65.2	240.2	-2.329	-12.000
7	-.043	-.008	-9.8	-55.7	238.4	-1.783	-9.108
8	-.053	-.010	-8.1	-46.0	236.5	-1.310	-6.725
9	-.064	-.012	-6.5	-36.3	234.7	-.922	-4.914
10	-.076	-.015	-5.0	-26.5	232.9	-.662	-3.524

EXCENTRICIDADES RESULTANTES CABEZA -.113639342977 -.0213582990484
EXCENTRICIDADES 1 ORDEN CABEZA -.113782739373 -.0213825676256

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-22.1	-116.2	251.1	-6.383	-32.612
1	-.001	-0.000	-20.4	-108.7	249.2	-5.665	-29.299
2	-.004	-.001	-18.6	-100.8	247.4	-4.954	-25.842
3	-.009	-.002	-16.8	-92.4	245.6	-4.256	-22.301
4	-.016	-.003	-15.0	-83.6	243.8	-3.581	-18.748
5	-.024	-.005	-13.3	-74.5	242.0	-2.936	-15.279
6	-.033	-.006	-11.5	-65.2	240.2	-2.332	-12.018
7	-.043	-.008	-9.8	-55.7	238.4	-1.785	-9.118
8	-.053	-.010	-8.1	-46.0	236.5	-1.312	-6.731
9	-.064	-.012	-6.5	-36.3	234.7	-.923	-4.917
10	-.076	-.015	-5.0	-26.5	232.9	-.663	-3.526

EXCENTRICIDADES RESULTANTES CABEZA -.113698134518 -.0213682654627
EXCENTRICIDADES 1 ORDEN CABEZA -.113782739373 -.0213825676256
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 10 TANTEO 0

Fpx= -9.03 t Fpy= 4.1 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.0	-99.5	257.3	2.561	-19.427
1	-.001	0.000	8.5	-92.4	255.4	2.031	-20.636
2	-.003	0.000	5.0	-84.9	253.6	1.223	-19.496
3	-.006	.001	1.5	-76.9	251.8	.355	-17.259
4	-.011	.001	-2.0	-68.6	250.0	-.469	-14.600
5	-.017	.001	-5.6	-60.0	248.2	-1.201	-11.868
6	-.024	.002	-9.1	-51.1	246.4	-1.811	-9.244

7	-.031	.002	-12.5	-42.1	244.6	-2.276	-6.870
8	-.039	.002	-16.0	-32.8	242.7	-2.578	-4.867
9	-.047	.001	-19.4	-23.5	240.9	-2.782	-3.279
10	-.055	.001	-22.7	-13.9	239.1	-3.084	-1.891

EXCENTRICIDADES RESULTANTES CABEZA -.0583413306755 -.0949425354486
EXCENTRICIDADES 1 ORDEN CABEZA -.112923462986 -.0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.2	-113.9	257.3	2.910	-25.362
1	-.001	0.000	8.7	-106.6	255.4	2.131	-24.427
2	-.004	0.000	5.2	-98.9	253.6	1.250	-22.119
3	-.008	.001	1.7	-90.6	251.8	.389	-19.230
4	-.013	.001	-1.8	-82.0	250.0	-.397	-16.174
5	-.020	.001	-5.4	-73.0	248.2	-1.071	-13.167
6	-.028	.002	-8.9	-63.8	246.4	-1.610	-10.393
7	-.036	.002	-12.4	-54.3	244.6	-1.993	-8.037
8	-.045	.002	-15.8	-44.6	242.7	-2.271	-6.231
9	-.054	.002	-19.2	-34.8	240.9	-2.613	-4.714
10	-.064	.001	-22.6	-24.9	239.1	-3.021	-3.323

EXCENTRICIDADES RESULTANTES CABEZA -.103957711811 -.0945703034302
EXCENTRICIDADES 1 ORDEN CABEZA -.112923462986 -.0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.3	-115.3	257.3	3.234	-28.845
1	-.001	0.000	8.9	-108.1	255.4	2.292	-26.652
2	-.004	0.000	5.3	-100.3	253.6	1.334	-23.733
3	-.009	.001	1.8	-92.1	251.8	.427	-20.520
4	-.015	.001	-1.8	-83.4	250.0	-.393	-17.238
5	-.022	.002	-5.3	-74.4	248.2	-1.099	-14.049
6	-.030	.002	-8.8	-65.1	246.4	-1.673	-11.117
7	-.039	.002	-12.3	-55.5	244.6	-2.112	-8.607
8	-.049	.002	-15.8	-45.7	242.7	-2.444	-6.615
9	-.059	.002	-19.2	-35.8	240.9	-2.737	-4.987
10	-.069	.002	-22.5	-25.7	239.1	-3.082	-3.508

EXCENTRICIDADES RESULTANTES CABEZA -.107559383751 -.0943020431642
EXCENTRICIDADES 1 ORDEN CABEZA -.112923462986 -.0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.4	-116.5	257.3	3.399	-30.777
1	-.001	0.000	8.9	-109.3	255.4	2.377	-27.972
2	-.004	0.000	5.4	-101.5	253.6	1.379	-24.772
3	-.009	.001	1.8	-93.3	251.8	.446	-21.392
4	-.015	.001	-1.7	-84.5	250.0	-.394	-17.979
5	-.023	.002	-5.3	-75.4	248.2	-1.120	-14.668
6	-.032	.002	-8.8	-66.0	246.4	-1.712	-11.612
7	-.041	.002	-12.3	-56.3	244.6	-2.168	-8.970
8	-.051	.002	-15.7	-46.4	242.7	-2.504	-6.840
9	-.062	.002	-19.2	-36.4	240.9	-2.779	-5.125
10	-.073	.002	-22.5	-26.2	239.1	-3.100	-3.595

EXCENTRICIDADES RESULTANTES CABEZA -.109589056746 -.0942079647632
EXCENTRICIDADES 1 ORDEN CABEZA -.112923462986 -.0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.4	-117.3	257.3	3.487	-31.814
1	-.001	0.000	8.9	-110.1	255.4	2.425	-28.749
2	-.004	0.000	5.4	-102.3	253.6	1.406	-25.422
3	-.009	.001	1.9	-94.0	251.8	.458	-21.961
4	-.016	.001	-1.7	-85.2	250.0	-.396	-18.475
5	-.024	.002	-5.3	-76.1	248.2	-1.134	-15.085
6	-.032	.002	-8.8	-66.6	246.4	-1.739	-11.942
7	-.042	.002	-12.3	-56.8	244.6	-2.203	-9.202
8	-.053	.002	-15.7	-46.9	242.7	-2.537	-6.977
9	-.063	.002	-19.1	-36.8	240.9	-2.800	-5.206
10	-.075	.002	-22.5	-26.5	239.1	-3.108	-3.646

EXCENTRICIDADES RESULTANTES CABEZA -.110887483465 -.094158594358
EXCENTRICIDADES 1 ORDEN CABEZA -.112923462986 -.0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.4	-117.8	257.3	3.533	-32.375

1	-.001	0.000	8.9	-110.6	255.4	2.453	-29.203
2	-.004	0.000	5.4	-102.8	253.6	1.423	-25.821
3	-.009	.001	1.9	-94.4	251.8	.465	-22.321
4	-.016	.001	-1.7	-85.6	250.0	-.398	-18.795
5	-.024	.002	-5.2	-76.4	248.2	-1.145	-15.359
6	-.033	.002	-8.8	-66.9	246.4	-1.757	-12.157
7	-.043	.002	-12.3	-57.2	244.6	-2.225	-9.351
8	-.053	.002	-15.7	-47.2	242.7	-2.557	-7.061
9	-.064	.002	-19.1	-37.0	240.9	-2.812	-5.255
10	-.076	.002	-22.5	-26.7	239.1	-3.112	-3.677

EXCENTRICIDADES RESULTANTES CABEZA -.111690950628 -.0941316740917
EXCENTRICIDADES 1 ORDEN CABEZA -.112923462986 -.0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.4	-118.1	257.3	3.557	-32.684
1	-.001	0.000	8.9	-110.9	255.4	2.468	-29.468
2	-.004	0.000	5.4	-103.1	253.6	1.432	-26.064
3	-.009	.001	1.9	-94.7	251.8	.469	-22.545
4	-.016	.001	-1.7	-85.9	250.0	-.399	-18.998
5	-.024	.002	-5.2	-76.7	248.2	-1.152	-15.534
6	-.033	.002	-8.8	-67.2	246.4	-1.768	-12.295
7	-.043	.002	-12.3	-57.4	244.6	-2.238	-9.444
8	-.054	.002	-15.7	-47.3	242.7	-2.570	-7.113
9	-.065	.002	-19.1	-37.2	240.9	-2.820	-5.284
10	-.077	.002	-22.5	-26.8	239.1	-3.116	-3.697

EXCENTRICIDADES RESULTANTES CABEZA -.112181057881 -.0941175271935
EXCENTRICIDADES 1 ORDEN CABEZA -.112923462986 -.0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.4	-118.3	257.3	3.570	-32.856
1	-.001	0.000	8.9	-111.0	255.4	2.477	-29.624
2	-.004	0.000	5.4	-103.2	253.6	1.438	-26.210
3	-.010	.001	1.9	-94.9	251.8	.472	-22.683
4	-.016	.001	-1.7	-86.0	250.0	-.400	-19.125
5	-.024	.002	-5.2	-76.8	248.2	-1.156	-15.644
6	-.033	.002	-8.8	-67.3	246.4	-1.775	-12.382
7	-.044	.002	-12.3	-57.5	244.6	-2.247	-9.502
8	-.054	.002	-15.7	-47.4	242.7	-2.578	-7.146
9	-.065	.002	-19.1	-37.2	240.9	-2.825	-5.302
10	-.077	.002	-22.5	-26.9	239.1	-3.118	-3.708

EXCENTRICIDADES RESULTANTES CABEZA -.11247723962 -.0941102360531
EXCENTRICIDADES 1 ORDEN CABEZA -.112923462986 -.0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.4	-118.4	257.3	3.578	-32.954
1	-.001	0.000	8.9	-111.2	255.4	2.482	-29.716
2	-.004	0.000	5.4	-103.3	253.6	1.441	-26.298
3	-.010	.001	1.9	-95.0	251.8	.473	-22.766
4	-.016	.001	-1.7	-86.1	250.0	-.401	-19.203
5	-.024	.002	-5.2	-76.9	248.2	-1.159	-15.712
6	-.034	.002	-8.8	-67.4	246.4	-1.780	-12.436
7	-.044	.002	-12.3	-57.5	244.6	-2.252	-9.538
8	-.054	.002	-15.7	-47.5	242.7	-2.582	-7.164
9	-.066	.002	-19.1	-37.3	240.9	-2.828	-5.313
10	-.077	.002	-22.5	-26.9	239.1	-3.119	-3.716

EXCENTRICIDADES RESULTANTES CABEZA -.112655807025 -.0941067387501
EXCENTRICIDADES 1 ORDEN CABEZA -.112923462986 -.0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.4	-118.4	257.3	3.582	-33.011
1	-.001	0.000	8.9	-111.2	255.4	2.485	-29.770
2	-.004	0.000	5.4	-103.4	253.6	1.443	-26.350
3	-.010	.001	1.9	-95.0	251.8	.474	-22.817
4	-.016	.001	-1.7	-86.2	250.0	-.401	-19.250
5	-.024	.002	-5.2	-77.0	248.2	-1.161	-15.754
6	-.034	.002	-8.8	-67.4	246.4	-1.783	-12.469
7	-.044	.002	-12.3	-57.6	244.6	-2.256	-9.561
8	-.055	.002	-15.7	-47.5	242.7	-2.585	-7.177

9	-.066	.002	-19.1	-37.3	240.9	-2.829	-5.320
10	-.078	.002	-22.5	-27.0	239.1	-3.120	-3.720

EXCENTRICIDADES RESULTANTES CABEZA -.112762611001 -.0941047830346
EXCENTRICIDADES 1 ORDEN CABEZA -.112923462986 -.0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.4	-118.5	257.3	3.584	-33.044
1	-.001	0.000	8.9	-111.3	255.4	2.487	-29.802
2	-.004	0.000	5.4	-103.4	253.6	1.444	-26.382
3	-.010	.001	1.9	-95.1	251.8	.474	-22.848
4	-.016	.001	-1.7	-86.2	250.0	-.402	-19.279
5	-.024	.002	-5.2	-77.0	248.2	-1.162	-15.780
6	-.034	.002	-8.8	-67.4	246.4	-1.785	-12.489
7	-.044	.002	-12.3	-57.6	244.6	-2.257	-9.572
8	-.055	.002	-15.7	-47.6	242.7	-2.587	-7.184
9	-.066	.002	-19.1	-37.3	240.9	-2.830	-5.324
10	-.078	.002	-22.5	-27.0	239.1	-3.120	-3.722

EXCENTRICIDADES RESULTANTES CABEZA -.112827571247 -.0941040312021
EXCENTRICIDADES 1 ORDEN CABEZA -.112923462986 -.0941028858218
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 11 TANTEO 0

Fpx= -8.4 t Fpy= -1.2 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-2.1	-124.0	291.1	-.472	-25.489
1	-.001	-0.000	-1.1	-116.0	289.2	-.277	-27.878
2	-.004	-0.000	-.1	-107.5	287.4	-.277	-26.925
3	-.009	-0.000	1.0	-98.6	285.6	-.277	-24.369
4	-.015	-0.000	2.0	-89.2	283.8	.506	-21.154
5	-.023	-0.000	3.0	-79.5	282.0	.725	-17.747
6	-.032	-0.000	4.0	-69.6	280.2	.906	-14.374
7	-.043	-0.000	5.0	-59.5	278.4	1.042	-11.188
8	-.054	0.000	6.0	-49.3	276.5	1.127	-8.317
9	-.065	0.000	6.9	-39.0	274.7	1.157	-5.875
10	-.077	.001	7.8	-28.7	272.9	1.133	-3.958

EXCENTRICIDADES RESULTANTES CABEZA -.105197786337 .0287556561767
EXCENTRICIDADES 1 ORDEN CABEZA -.182117991938 .029314767314

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-1.9	-146.8	291.1	-.496	-35.210
1	-.001	-0.000	-.9	-138.6	289.2	-.496	-34.637
2	-.005	-0.000	.1	-129.7	287.4	-.496	-32.004
3	-.011	-0.000	1.1	-120.3	285.6	.288	-28.456
4	-.019	-0.000	2.2	-110.4	283.8	.520	-24.564
5	-.029	-0.000	3.2	-100.0	282.0	.716	-20.602
6	-.040	-0.000	4.2	-89.4	280.2	.869	-16.761
7	-.052	-0.000	5.2	-78.5	278.4	.973	-13.211
8	-.065	-0.000	6.1	-67.5	276.5	1.023	-10.134
9	-.079	0.000	7.1	-56.3	274.7	1.020	-7.761
10	-.094	.001	8.0	-45.2	272.9	1.082	-6.100

EXCENTRICIDADES RESULTANTES CABEZA -.165528982784 .0293528005817
EXCENTRICIDADES 1 ORDEN CABEZA -.182117991938 .029314767314

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-2.0	-150.4	291.1	-.567	-41.437
1	-.001	-0.000	-.9	-142.2	289.2	-.567	-38.987
2	-.006	-0.000	.1	-133.3	287.4	-.567	-35.426
3	-.012	-0.000	1.1	-123.8	285.6	.302	-31.346
4	-.021	-0.000	2.2	-113.7	283.8	.548	-27.048
5	-.032	-0.000	3.2	-103.1	282.0	.757	-22.731
6	-.045	-0.000	4.2	-92.2	280.2	.922	-18.547
7	-.058	-0.000	5.2	-81.0	278.4	1.040	-14.665
8	-.073	-0.000	6.1	-69.7	276.5	1.111	-11.276
9	-.089	0.000	7.1	-58.2	274.7	1.150	-8.553
10	-.105	0.000	8.0	-46.7	272.9	1.175	-6.464

EXCENTRICIDADES RESULTANTES CABEZA -.170941933726 .0293413711194
EXCENTRICIDADES 1 ORDEN CABEZA -.182117991938 .029314767314

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-2.0	-153.5	291.1	-.608	-45.157
1	-.002	-0.000	-.9	-145.2	289.2	-.608	-41.779
2	-.006	-0.000	.1	-136.3	287.4	-.608	-37.759
3	-.013	-0.000	1.1	-126.6	285.6	.312	-33.396
4	-.023	-0.000	2.2	-116.3	283.8	.568	-28.869
5	-.035	-0.000	3.2	-105.5	282.0	.786	-24.319
6	-.048	-0.000	4.2	-94.4	280.2	.959	-19.886
7	-.063	-0.000	5.2	-82.9	278.4	1.084	-15.737
8	-.079	-0.000	6.1	-71.3	276.5	1.161	-12.068
9	-.095	0.000	7.1	-59.5	274.7	1.198	-9.046
10	-.113	0.000	8.0	-47.6	272.9	1.204	-6.684

EXCENTRICIDADES RESULTANTES CABEZA -.174602395405 .0293239402305
EXCENTRICIDADES 1 ORDEN CABEZA -.182117991938 .029314767314

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-2.0	-155.5	291.1	-.631	-47.353
1	-.002	-0.000	-.9	-147.3	289.2	-.631	-43.556
2	-.006	-0.000	.1	-138.2	287.4	-.631	-39.320
3	-.014	-0.000	1.1	-128.5	285.6	.320	-34.809
4	-.024	-0.000	2.2	-118.1	283.8	.583	-30.149
5	-.036	-0.000	3.2	-107.2	282.0	.806	-25.453
6	-.050	-0.000	4.2	-95.9	280.2	.985	-20.851
7	-.065	-0.000	5.2	-84.2	278.4	1.115	-16.508
8	-.082	-0.000	6.1	-72.4	276.5	1.193	-12.623
9	-.099	0.000	7.1	-60.4	274.7	1.226	-9.377
10	-.118	0.000	8.0	-48.3	272.9	1.221	-6.834

EXCENTRICIDADES RESULTANTES CABEZA -.177145179876 .0293129195428
EXCENTRICIDADES 1 ORDEN CABEZA -.182117991938 .029314767314

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-2.0	-156.9	291.1	-.644	-48.664
1	-.002	-0.000	-.9	-148.6	289.2	-.644	-44.685
2	-.007	-0.000	.1	-139.5	287.4	-.644	-40.347
3	-.014	-0.000	1.1	-129.7	285.6	.326	-35.757
4	-.025	-0.000	2.2	-119.3	283.8	.593	-31.020
5	-.037	-0.000	3.2	-108.3	282.0	.821	-26.235
6	-.051	-0.000	4.2	-96.9	280.2	1.004	-21.524
7	-.067	-0.000	5.2	-85.1	278.4	1.136	-17.049
8	-.084	-0.000	6.1	-73.1	276.5	1.215	-13.009
9	-.102	0.000	7.1	-61.0	274.7	1.245	-9.604
10	-.121	0.000	8.0	-48.8	272.9	1.233	-6.939

EXCENTRICIDADES RESULTANTES CABEZA -.178862557818 .0293081988594
EXCENTRICIDADES 1 ORDEN CABEZA -.182117991938 .029314767314

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-2.0	-157.7	291.1	-.651	-49.463
1	-.002	-0.000	-.9	-149.5	289.2	-.651	-45.405
2	-.007	-0.000	.1	-140.4	287.4	-.651	-41.016
3	-.015	-0.000	1.1	-130.5	285.6	.330	-36.383
4	-.025	-0.000	2.2	-120.0	283.8	.600	-31.601
5	-.038	-0.000	3.2	-109.0	282.0	.831	-26.762
6	-.052	-0.000	4.2	-97.5	280.2	1.016	-21.983
7	-.068	-0.000	5.2	-85.7	278.4	1.151	-17.420
8	-.086	-0.000	6.1	-73.6	276.5	1.230	-13.274
9	-.104	0.000	7.1	-61.4	274.7	1.257	-9.758
10	-.123	0.000	8.0	-49.1	272.9	1.241	-7.011

EXCENTRICIDADES RESULTANTES CABEZA -.179998956753 .0293074009877
EXCENTRICIDADES 1 ORDEN CABEZA -.182117991938 .029314767314

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-2.0	-158.3	291.1	-.655	-49.958
1	-.002	-0.000	-.9	-150.1	289.2	-.655	-45.865
2	-.007	-0.000	.1	-140.9	287.4	-.655	-41.450

3	-.015	-0.000	1.1	-131.1	285.6	.333	-36.793
4	-.025	-0.000	2.2	-120.5	283.8	.605	-31.984
5	-.038	-0.000	3.2	-109.5	282.0	.838	-27.112
6	-.053	-0.000	4.2	-97.9	280.2	1.025	-22.290
7	-.069	-0.000	5.2	-86.1	278.4	1.161	-17.670
8	-.087	-0.000	6.1	-74.0	276.5	1.241	-13.453
9	-.105	0.000	7.1	-61.7	274.7	1.266	-9.863
10	-.124	.001	8.0	-49.3	272.9	1.247	-7.060

EXCENTRICIDADES RESULTANTES CABEZA -.180743141832 .0293083936531
EXCENTRICIDADES 1 ORDEN CABEZA -.182117991938 .029314767314

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-2.0	-158.7	291.1	-.657	-50.270
1	-.002	-0.000	-.9	-150.4	289.2	-.657	-46.160
2	-.007	-0.000	.1	-141.3	287.4	-.657	-41.731
3	-.015	-0.000	1.1	-131.4	285.6	.335	-37.059
4	-.025	-0.000	2.2	-120.9	283.8	.608	-32.234
5	-.038	-0.000	3.2	-109.8	282.0	.842	-27.341
6	-.053	-0.000	4.2	-98.2	280.2	1.031	-22.492
7	-.070	-0.000	5.2	-86.3	278.4	1.168	-17.836
8	-.087	-0.000	6.1	-74.2	276.5	1.247	-13.572
9	-.106	0.000	7.1	-61.9	274.7	1.271	-9.933
10	-.125	.001	8.0	-49.5	272.9	1.250	-7.091

EXCENTRICIDADES RESULTANTES CABEZA -.181227718051 .0293098763431
EXCENTRICIDADES 1 ORDEN CABEZA -.182117991938 .029314767314

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-2.0	-158.9	291.1	-.658	-50.468
1	-.002	-0.000	-.9	-150.7	289.2	-.658	-46.349
2	-.007	-0.000	.1	-141.5	287.4	-.658	-41.912
3	-.015	-0.000	1.1	-131.6	285.6	.336	-37.232
4	-.026	-0.000	2.2	-121.1	283.8	.610	-32.396
5	-.038	-0.000	3.2	-110.0	282.0	.845	-27.490
6	-.053	-0.000	4.2	-98.4	280.2	1.035	-22.625
7	-.070	-0.000	5.2	-86.5	278.4	1.172	-17.946
8	-.088	-0.000	6.1	-74.3	276.5	1.252	-13.652
9	-.106	0.000	7.1	-62.0	274.7	1.275	-9.979
10	-.126	.001	8.0	-49.5	272.9	1.253	-7.113

EXCENTRICIDADES RESULTANTES CABEZA -.181542199812 .0293112554545
EXCENTRICIDADES 1 ORDEN CABEZA -.182117991938 .029314767314

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-2.0	-159.1	291.1	-.659	-50.595
1	-.002	-0.000	-.9	-150.8	289.2	-.659	-46.471
2	-.007	-0.000	.1	-141.7	287.4	-.659	-42.029
3	-.015	-0.000	1.1	-131.8	285.6	.337	-37.343
4	-.026	-0.000	2.2	-121.2	283.8	.612	-32.501
5	-.039	-0.000	3.2	-110.1	282.0	.847	-27.587
6	-.054	-0.000	4.2	-98.5	280.2	1.037	-22.711
7	-.070	-0.000	5.2	-86.6	278.4	1.175	-18.018
8	-.088	-0.000	6.1	-74.4	276.5	1.255	-13.704
9	-.107	0.000	7.1	-62.0	274.7	1.278	-10.010
10	-.126	.001	8.0	-49.6	272.9	1.254	-7.127

EXCENTRICIDADES RESULTANTES CABEZA -.181745877693 .0293123435505
EXCENTRICIDADES 1 ORDEN CABEZA -.182117991938 .029314767314

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-2.0	-159.2	291.1	-.660	-50.676
1	-.002	-0.000	-.9	-150.9	289.2	-.660	-46.550
2	-.007	-0.000	.1	-141.8	287.4	-.660	-42.105
3	-.015	-0.000	1.1	-131.9	285.6	.338	-37.415
4	-.026	-0.000	2.2	-121.3	283.8	.613	-32.569
5	-.039	-0.000	3.2	-110.2	282.0	.849	-27.650
6	-.054	-0.000	4.2	-98.6	280.2	1.039	-22.767
7	-.070	-0.000	5.2	-86.6	278.4	1.177	-18.064
8	-.088	-0.000	6.1	-74.4	276.5	1.257	-13.738
9	-.107	0.000	7.1	-62.1	274.7	1.279	-10.027
10	-.126	.001	8.0	-49.6	272.9	1.255	-7.136

EXCENTRICIDADES RESULTANTES CABEZA -.181877813689 .0293131574512
EXCENTRICIDADES 1 ORDEN CABEZA -.182117991938 .029314767314

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-2.0	-159.2	291.1	-.660	-50.728
1	-.002	-0.000	-.9	-151.0	289.2	-.660	-46.601
2	-.007	-0.000	.1	-141.8	287.4	-.660	-42.154
3	-.015	-0.000	1.1	-131.9	285.6	.338	-37.462
4	-.026	-0.000	2.2	-121.4	283.8	.613	-32.613
5	-.039	-0.000	3.2	-110.2	282.0	.850	-27.691
6	-.054	-0.000	4.2	-98.6	280.2	1.040	-22.804
7	-.070	-0.000	5.2	-86.7	278.4	1.178	-18.095
8	-.088	-0.000	6.1	-74.5	276.5	1.258	-13.760
9	-.107	0.000	7.1	-62.1	274.7	1.280	-10.042
10	-.127	.001	8.0	-49.7	272.9	1.256	-7.142

EXCENTRICIDADES RESULTANTES CABEZA -.181962712612 .0293136783873
EXCENTRICIDADES 1 ORDEN CABEZA -.182117991938 .029314767314
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 12 TANTEO 0

Fpx= -8.5 t Fpy= 4.7 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	31.3	-113.1	320.6	6.664	-21.799
1	-.001	0.000	26.6	-105.7	318.7	6.347	-23.253
2	-.003	.001	21.8	-97.8	316.9	5.344	-22.130
3	-.007	.002	17.0	-89.4	315.1	4.084	-19.759
4	-.013	.003	12.2	-80.6	313.3	2.796	-16.890
5	-.019	.005	7.4	-71.4	311.5	1.588	-13.913
6	-.027	.007	2.6	-62.0	309.7	.516	-11.051
7	-.035	.008	-2.1	-52.3	307.9	-.386	-8.454
8	-.044	.010	-6.7	-42.5	306.0	-1.095	-6.241
9	-.053	.012	-11.3	-32.6	304.2	-1.610	-4.504
10	-.063	.013	-15.7	-22.5	302.4	-2.145	-3.079

EXCENTRICIDADES RESULTANTES CABEZA -.0745632733511 -.0519102714617
EXCENTRICIDADES 1 ORDEN CABEZA -.137235449735 -.0390211640212

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	35.5	-133.5	320.6	8.465	-29.321
1	-.001	0.000	30.8	-126.0	318.7	7.526	-28.447
2	-.004	.001	25.9	-117.7	316.9	6.218	-25.967
3	-.009	.002	21.0	-108.9	315.1	4.819	-22.782
4	-.015	.004	16.1	-99.6	313.3	3.462	-19.368
5	-.023	.006	11.1	-89.9	311.5	2.218	-16.007
6	-.032	.008	6.2	-79.9	309.7	1.126	-12.884
7	-.042	.010	1.4	-69.6	307.9	.219	-10.202
8	-.053	.012	-3.4	-59.0	306.0	-.491	-8.162
9	-.064	.014	-8.2	-48.4	304.2	-1.115	-6.611
10	-.076	.016	-12.8	-37.6	302.4	-1.741	-5.136

EXCENTRICIDADES RESULTANTES CABEZA -.124499536517 -.0421935047934
EXCENTRICIDADES 1 ORDEN CABEZA -.137235449735 -.0390211640212

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	36.3	-136.6	320.6	9.746	-34.268
1	-.001	0.000	31.6	-129.1	318.7	8.371	-31.919
2	-.005	.001	26.7	-120.8	316.9	6.830	-28.651
3	-.010	.003	21.8	-111.9	315.1	5.288	-24.996
4	-.017	.004	16.8	-102.4	313.3	3.826	-21.233
5	-.026	.007	11.8	-92.5	311.5	2.493	-17.567
6	-.036	.009	6.8	-82.3	309.7	1.323	-14.172
7	-.047	.011	1.9	-71.7	307.9	.337	-11.227
8	-.059	.013	-2.9	-60.9	306.0	-.469	-8.854
9	-.071	.016	-7.7	-50.0	304.2	-1.126	-6.958
10	-.084	.018	-12.4	-38.9	302.4	-1.709	-5.334

1	-.001	.001	39.5	-109.7	261.6	11.058	-29.814
2	-.004	.002	30.5	-101.7	259.8	8.113	-25.954
3	-.010	.004	21.5	-93.2	258.0	5.385	-22.095
4	-.016	.006	12.5	-84.3	256.2	2.919	-18.330
5	-.024	.008	3.5	-75.1	254.4	.757	-14.792
6	-.033	.011	-5.4	-65.7	252.6	-1.066	-11.649
7	-.043	.013	-14.3	-56.1	250.8	-2.551	-9.064
8	-.054	.015	-23.0	-46.3	248.9	-3.762	-7.119
9	-.065	.017	-31.6	-36.4	247.1	-4.884	-5.566
10	-.076	.019	-40.0	-26.5	245.3	-6.044	-4.135

EXCENTRICIDADES RESULTANTES CABEZA -.107874188849 -.163099376106
EXCENTRICIDADES 1 ORDEN CABEZA -.10803098247 -.163065633918

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	48.3	-117.2	263.5	14.190	-33.635
1	-.001	.001	39.5	-109.7	261.6	11.068	-29.846
2	-.004	.002	30.6	-101.7	259.8	8.121	-25.986
3	-.010	.004	21.6	-93.2	258.0	5.392	-22.125
4	-.016	.006	12.5	-84.4	256.2	2.923	-18.359
5	-.024	.008	3.5	-75.2	254.4	.759	-14.817
6	-.033	.011	-5.4	-65.7	252.6	-1.066	-11.667
7	-.043	.013	-14.3	-56.1	250.8	-2.553	-9.077
8	-.054	.016	-23.0	-46.3	248.9	-3.764	-7.127
9	-.065	.017	-31.6	-36.4	247.1	-4.885	-5.570
10	-.076	.019	-40.0	-26.5	245.3	-6.045	-4.138

EXCENTRICIDADES RESULTANTES CABEZA -.107935671868 -.16308533475
EXCENTRICIDADES 1 ORDEN CABEZA -.10803098247 -.163065633918

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	48.3	-117.2	263.5	14.195	-33.646
1	-.001	.001	39.5	-109.7	261.6	11.071	-29.856
2	-.004	.002	30.6	-101.7	259.8	8.126	-26.005
3	-.010	.004	21.6	-93.3	258.0	5.396	-22.144
4	-.016	.006	12.5	-84.4	256.2	2.926	-18.376
5	-.024	.008	3.5	-75.2	254.4	.760	-14.827
6	-.033	.011	-5.4	-65.7	252.6	-1.066	-11.676
7	-.043	.013	-14.3	-56.1	250.8	-2.554	-9.083
8	-.054	.016	-23.0	-46.3	248.9	-3.765	-7.131
9	-.065	.017	-31.6	-36.4	247.1	-4.885	-5.573
10	-.076	.019	-40.0	-26.5	245.3	-6.045	-4.140

EXCENTRICIDADES RESULTANTES CABEZA -.107984837336 -.163075770784
EXCENTRICIDADES 1 ORDEN CABEZA -.10803098247 -.163065633918
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 14 TANTEO 0

Fpx= -7.9 t Fpy= 4.1 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.0	-96.1	257.3	2.527	-18.461
1	-.001	0.000	8.5	-88.6	255.4	1.994	-19.339
2	-.003	0.000	5.0	-80.8	253.6	1.195	-18.041
3	-.006	.001	1.5	-72.8	251.8	.346	-15.782
4	-.010	.001	-2.0	-64.6	250.0	-.453	-13.204
5	-.016	.001	-5.6	-56.3	248.2	-1.155	-10.636
6	-.022	.002	-9.1	-47.9	246.4	-1.734	-8.244
7	-.029	.002	-12.5	-39.4	244.6	-2.172	-6.148
8	-.036	.002	-16.0	-30.9	242.7	-2.461	-4.446
9	-.043	.001	-19.4	-22.4	240.9	-2.719	-3.092
10	-.051	.001	-22.7	-14.0	239.1	-3.068	-1.884

EXCENTRICIDADES RESULTANTES CABEZA -.0584044192935 -.0949743621033
EXCENTRICIDADES 1 ORDEN CABEZA -.108741112505 -.0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.2	-109.3	257.3	2.858	-23.801

1	-.001	0.000	8.8	-101.7	255.4	2.083	-22.638
2	-.003	0.000	5.2	-93.7	253.6	1.217	-20.254
3	-.007	.001	1.7	-85.5	251.8	.378	-17.420
4	-.012	.001	-1.8	-77.0	250.0	-.379	-14.507
5	-.018	.001	-5.4	-68.4	248.2	-1.023	-11.741
6	-.025	.002	-8.9	-59.6	246.4	-1.534	-9.282
7	-.033	.002	-12.4	-50.8	244.6	-1.900	-7.292
8	-.041	.002	-15.8	-41.9	242.7	-2.219	-5.768
9	-.050	.002	-19.2	-33.0	240.9	-2.598	-4.449
10	-.059	.001	-22.6	-24.1	239.1	-3.019	-3.225

EXCENTRICIDADES RESULTANTES CABEZA -.100926806224 -.0945401089671
EXCENTRICIDADES 1 ORDEN CABEZA -.108741112505 -.0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.3	-110.5	257.3	3.160	-26.910
1	-.001	0.000	8.9	-102.9	255.4	2.231	-24.562
2	-.004	0.000	5.3	-95.0	253.6	1.293	-21.614
3	-.008	.001	1.8	-86.7	251.8	.413	-18.484
4	-.013	.001	-1.7	-78.2	250.0	-.375	-15.380
5	-.020	.002	-5.3	-69.5	248.2	-1.049	-12.468
6	-.027	.002	-8.8	-60.7	246.4	-1.597	-9.888
7	-.036	.002	-12.3	-51.8	244.6	-2.027	-7.761
8	-.044	.002	-15.8	-42.8	242.7	-2.369	-6.090
9	-.054	.002	-19.2	-33.9	240.9	-2.701	-4.685
10	-.063	.002	-22.5	-24.9	239.1	-3.073	-3.391

EXCENTRICIDADES RESULTANTES CABEZA -.104159845855 -.0942823959031
EXCENTRICIDADES 1 ORDEN CABEZA -.108741112505 -.0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.4	-111.6	257.3	3.314	-28.622
1	-.001	0.000	8.9	-104.0	255.4	2.307	-25.703
2	-.004	0.000	5.4	-96.0	253.6	1.333	-22.490
3	-.008	.001	1.8	-87.7	251.8	.430	-19.204
4	-.014	.001	-1.7	-79.2	250.0	-.377	-15.985
5	-.021	.002	-5.3	-70.4	248.2	-1.068	-12.968
6	-.029	.002	-8.8	-61.5	246.4	-1.633	-10.285
7	-.037	.002	-12.3	-52.5	244.6	-2.077	-8.044
8	-.046	.002	-15.7	-43.5	242.7	-2.419	-6.267
9	-.056	.002	-19.2	-34.4	240.9	-2.734	-4.798
10	-.066	.002	-22.5	-25.3	239.1	-3.087	-3.464

EXCENTRICIDADES RESULTANTES CABEZA -.105917859712 -.0941993507747
EXCENTRICIDADES 1 ORDEN CABEZA -.108741112505 -.0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.4	-112.2	257.3	3.395	-29.548
1	-.001	0.000	8.9	-104.7	255.4	2.351	-26.374
2	-.004	0.000	5.4	-96.7	253.6	1.357	-23.039
3	-.009	.001	1.9	-88.3	251.8	.440	-19.674
4	-.014	.001	-1.7	-79.7	250.0	-.379	-16.389
5	-.022	.002	-5.2	-70.9	248.2	-1.081	-13.303
6	-.030	.002	-8.8	-62.0	246.4	-1.657	-10.543
7	-.038	.002	-12.3	-52.9	244.6	-2.106	-8.219
8	-.048	.002	-15.7	-43.8	242.7	-2.446	-6.369
9	-.057	.002	-19.1	-34.7	240.9	-2.750	-4.863
10	-.068	.002	-22.5	-25.6	239.1	-3.094	-3.508

EXCENTRICIDADES RESULTANTES CABEZA -.107024355975 -.094155472769
EXCENTRICIDADES 1 ORDEN CABEZA -.108741112505 -.0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.4	-112.6	257.3	3.438	-30.047
1	-.001	0.000	8.9	-105.1	255.4	2.376	-26.766
2	-.004	0.000	5.4	-97.1	253.6	1.372	-23.377
3	-.009	.001	1.9	-88.7	251.8	.447	-19.973
4	-.015	.001	-1.7	-80.1	250.0	-.380	-16.650
5	-.022	.002	-5.2	-71.3	248.2	-1.090	-13.520
6	-.030	.002	-8.8	-62.3	246.4	-1.672	-10.708
7	-.039	.002	-12.3	-53.2	244.6	-2.124	-8.328
8	-.048	.002	-15.7	-44.1	242.7	-2.461	-6.431

9	-.058	.002	-19.1	-34.9	240.9	-2.759	-4.901
10	-.069	.002	-22.5	-25.8	239.1	-3.098	-3.534

EXCENTRICIDADES RESULTANTES CABEZA -.107707053303 -.0941308898429
EXCENTRICIDADES 1 ORDEN CABEZA -.108741112505 -.0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.4	-112.9	257.3	3.460	-30.319
1	-.001	0.000	8.9	-105.3	255.4	2.391	-26.994
2	-.004	0.000	5.4	-97.3	253.6	1.381	-23.582
3	-.009	.001	1.9	-88.9	251.8	.450	-20.160
4	-.015	.001	-1.7	-80.3	250.0	-.381	-16.816
5	-.022	.002	-5.2	-71.5	248.2	-1.096	-13.658
6	-.030	.002	-8.8	-62.5	246.4	-1.681	-10.813
7	-.039	.002	-12.3	-53.4	244.6	-2.135	-8.396
8	-.049	.002	-15.7	-44.2	242.7	-2.471	-6.469
9	-.059	.002	-19.1	-35.0	240.9	-2.764	-4.924
10	-.069	.002	-22.5	-25.9	239.1	-3.100	-3.550

EXCENTRICIDADES RESULTANTES CABEZA -.108121061002 -.0941174729625
EXCENTRICIDADES 1 ORDEN CABEZA -.108741112505 -.0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.4	-113.0	257.3	3.473	-30.470
1	-.001	0.000	8.9	-105.4	255.4	2.399	-27.128
2	-.004	0.000	5.4	-97.4	253.6	1.386	-23.706
3	-.009	.001	1.9	-89.1	251.8	.453	-20.275
4	-.015	.001	-1.7	-80.4	250.0	-.382	-16.919
5	-.022	.002	-5.2	-71.6	248.2	-1.100	-13.745
6	-.030	.002	-8.8	-62.6	246.4	-1.687	-10.878
7	-.039	.002	-12.3	-53.5	244.6	-2.141	-8.437
8	-.049	.002	-15.7	-44.3	242.7	-2.476	-6.491
9	-.059	.002	-19.1	-35.1	240.9	-2.768	-4.939
10	-.070	.002	-22.5	-25.9	239.1	-3.102	-3.560

EXCENTRICIDADES RESULTANTES CABEZA -.108370290612 -.0941105897447
EXCENTRICIDADES 1 ORDEN CABEZA -.108741112505 -.0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.4	-113.1	257.3	3.479	-30.555
1	-.001	0.000	8.9	-105.5	255.4	2.403	-27.206
2	-.004	0.000	5.4	-97.5	253.6	1.389	-23.780
3	-.009	.001	1.9	-89.2	251.8	.454	-20.344
4	-.015	.001	-1.7	-80.5	250.0	-.383	-16.982
5	-.022	.002	-5.2	-71.7	248.2	-1.103	-13.798
6	-.031	.002	-8.8	-62.6	246.4	-1.691	-10.918
7	-.040	.002	-12.3	-53.5	244.6	-2.146	-8.463
8	-.049	.002	-15.7	-44.3	242.7	-2.480	-6.505
9	-.059	.002	-19.1	-35.1	240.9	-2.770	-4.947
10	-.070	.002	-22.5	-25.9	239.1	-3.103	-3.565

EXCENTRICIDADES RESULTANTES CABEZA -.108519263713 -.0941068355886
EXCENTRICIDADES 1 ORDEN CABEZA -.108741112505 -.0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.4	-113.2	257.3	3.483	-30.603
1	-.001	0.000	8.9	-105.6	255.4	2.406	-27.252
2	-.004	0.000	5.4	-97.6	253.6	1.391	-23.825
3	-.009	.001	1.9	-89.2	251.8	.455	-20.387
4	-.015	.001	-1.7	-80.6	250.0	-.383	-17.021
5	-.022	.002	-5.2	-71.7	248.2	-1.104	-13.831
6	-.031	.002	-8.8	-62.7	246.4	-1.694	-10.942
7	-.040	.002	-12.3	-53.6	244.6	-2.148	-8.476
8	-.049	.002	-15.7	-44.4	242.7	-2.482	-6.514
9	-.060	.002	-19.1	-35.2	240.9	-2.771	-4.952
10	-.070	.002	-22.5	-26.0	239.1	-3.103	-3.569

EXCENTRICIDADES RESULTANTES CABEZA -.108609055586 -.0941051427463
EXCENTRICIDADES 1 ORDEN CABEZA -.108741112505 -.0941028858218

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.4	-113.2	257.3	3.485	-30.631
1	-.001	0.000	8.9	-105.6	255.4	2.408	-27.279
2	-.004	0.000	5.4	-97.6	253.6	1.392	-23.851

3	-.009	.001	1.9	-89.2	251.8	.455	-20.412
4	-.015	.001	-1.7	-80.6	250.0	-.383	-17.044
5	-.022	.002	-5.2	-71.7	248.2	-1.105	-13.851
6	-.031	.002	-8.8	-62.7	246.4	-1.695	-10.954
7	-.040	.002	-12.3	-53.6	244.6	-2.149	-8.487
8	-.049	.002	-15.7	-44.4	242.7	-2.483	-6.518
9	-.060	.002	-19.1	-35.2	240.9	-2.771	-4.955
10	-.070	.002	-22.5	-26.0	239.1	-3.103	-3.571

EXCENTRICIDADES RESULTANTES CABEZA -.108662766914 -.094104149566
EXCENTRICIDADES 1 ORDEN CABEZA -.108741112505 -.094102885821
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 15 TANTEO 0

Fpx= -8.5 t Fpy= 4.1 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	28.4	-120.8	297.3	6.332	-24.582
1	-.001	0.000	24.3	-113.4	295.4	6.153	-26.931
2	-.004	.001	20.0	-105.4	293.6	5.258	-26.064
3	-.008	.002	15.7	-97.0	291.8	4.084	-23.628
4	-.015	.003	11.5	-88.0	290.0	2.864	-20.531
5	-.022	.005	7.2	-78.7	288.2	1.703	-17.225
6	-.031	.006	3.0	-69.0	286.4	.656	-13.954
7	-.041	.008	-1.2	-59.1	284.6	-.246	-10.863
8	-.052	.010	-5.3	-49.0	282.7	-.978	-8.084
9	-.063	.011	-9.3	-38.8	280.9	-1.519	-5.739
10	-.075	.013	-13.2	-28.4	279.1	-1.879	-3.920

EXCENTRICIDADES RESULTANTES CABEZA -.101798555413 -.047158931567
EXCENTRICIDADES 1 ORDEN CABEZA -.176280902902 -.034396273737

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	32.3	-143.4	297.3	8.188	-33.978
1	-.001	0.000	28.1	-135.7	295.4	7.372	-33.484
2	-.005	.001	23.8	-127.4	293.6	6.165	-30.982
3	-.011	.002	19.4	-118.4	291.8	4.848	-27.569
4	-.018	.004	15.0	-108.9	290.0	3.557	-23.804
5	-.028	.006	10.6	-98.9	288.2	2.354	-19.960
6	-.038	.008	6.3	-88.5	286.4	1.279	-16.243
7	-.050	.010	2.0	-77.9	284.6	.361	-12.823
8	-.063	.012	-2.3	-67.0	282.7	-.375	-9.896
9	-.077	.014	-6.5	-55.9	280.9	-.920	-7.707
10	-.091	.016	-10.5	-44.7	279.1	-1.426	-6.059

EXCENTRICIDADES RESULTANTES CABEZA -.160237244327 -.0376775257781
EXCENTRICIDADES 1 ORDEN CABEZA -.176280902902 -.034396273737

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	33.1	-147.0	297.3	9.504	-40.053
1	-.001	0.000	28.9	-139.4	295.4	8.242	-37.752
2	-.006	.001	24.5	-131.0	293.6	6.799	-34.338
3	-.012	.003	20.2	-121.9	291.8	5.339	-30.396
4	-.021	.004	15.7	-112.2	290.0	3.939	-26.226
5	-.031	.006	11.3	-102.0	288.2	2.645	-22.029
6	-.043	.009	6.9	-91.3	286.4	1.488	-17.969
7	-.057	.011	2.5	-80.4	284.6	.494	-14.222
8	-.071	.013	-1.8	-69.1	282.7	-.321	-10.983
9	-.086	.016	-6.0	-57.7	280.9	-.968	-8.414
10	-.102	.018	-10.2	-46.2	279.1	-1.476	-6.406

EXCENTRICIDADES RESULTANTES CABEZA -.165369073626 -.0363741926607
EXCENTRICIDADES 1 ORDEN CABEZA -.176280902902 -.034396273737

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	33.6	-150.0	297.3	10.318	-43.754
1	-.002	0.000	29.4	-142.4	295.4	8.804	-40.536
2	-.006	.001	25.1	-133.9	293.6	7.227	-36.659

EXCENTRICIDADES RESULTANTES CABEZA -.174774837322 -.0346643024418
EXCENTRICIDADES 1 ORDEN CABEZA -.176280902902 -.034396273737

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	34.6	-155.4	297.3	11.811	-49.564
1	-.002	0.000	30.4	-147.7	295.4	9.753	-45.079
2	-.007	.002	26.0	-139.1	293.6	7.999	-40.751
3	-.015	.003	21.5	-129.7	291.8	6.313	-36.178
4	-.025	.005	17.0	-119.5	290.0	4.720	-31.440
5	-.038	.008	12.4	-108.7	288.2	3.246	-26.630
6	-.052	.010	7.9	-97.4	286.4	1.915	-21.864
7	-.068	.013	3.4	-85.7	284.6	.755	-17.303
8	-.085	.016	-1.0	-73.6	282.7	-.205	-13.158
9	-.103	.019	-5.4	-61.3	280.9	-.950	-9.663
10	-.122	.022	-9.7	-48.9	279.1	-1.488	-6.975

EXCENTRICIDADES RESULTANTES CABEZA -.175260434366 -.0345971887155
EXCENTRICIDADES 1 ORDEN CABEZA -.176280902902 -.034396273737

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	34.7	-155.7	297.3	11.929	-49.936
1	-.002	0.000	30.4	-148.0	295.4	9.803	-45.298
2	-.007	.002	26.0	-139.4	293.6	8.040	-40.957
3	-.015	.003	21.6	-129.9	291.8	6.347	-36.371
4	-.025	.005	17.0	-119.8	290.0	4.749	-31.619
5	-.038	.008	12.5	-108.9	288.2	3.268	-26.792
6	-.052	.011	7.9	-97.6	286.4	1.931	-22.006
7	-.068	.013	3.4	-85.8	284.6	.765	-17.417
8	-.086	.016	-1.0	-73.8	282.7	-.201	-13.238
9	-.104	.019	-5.4	-61.5	280.9	-.949	-9.708
10	-.123	.022	-9.6	-49.0	279.1	-1.488	-6.995

EXCENTRICIDADES RESULTANTES CABEZA -.175585185165 -.0345373818862
EXCENTRICIDADES 1 ORDEN CABEZA -.176280902902 -.034396273737

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	34.7	-155.9	297.3	12.016	-50.208
1	-.002	0.000	30.5	-148.2	295.4	9.838	-45.448
2	-.007	.002	26.1	-139.6	293.6	8.068	-41.095
3	-.015	.003	21.6	-130.1	291.8	6.371	-36.501
4	-.025	.005	17.1	-119.9	290.0	4.768	-31.740
5	-.038	.008	12.5	-109.1	288.2	3.283	-26.902
6	-.052	.011	8.0	-97.7	286.4	1.942	-22.102
7	-.069	.013	3.5	-86.0	284.6	.772	-17.495
8	-.086	.016	-1.0	-73.9	282.7	.772	-13.292
9	-.104	.019	-5.4	-61.6	280.9	-.951	-9.738
10	-.124	.022	-9.7	-49.1	279.1	-1.494	-7.008

EXCENTRICIDADES RESULTANTES CABEZA -.17580331983 -.0346330247748
EXCENTRICIDADES 1 ORDEN CABEZA -.176280902902 -.034396273737

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	34.8	-156.0	297.3	12.095	-50.406
1	-.002	0.000	30.5	-148.3	295.4	9.877	-45.552
2	-.007	.002	26.1	-139.7	293.6	8.100	-41.189
3	-.015	.003	21.7	-130.2	291.8	6.399	-36.589
4	-.025	.005	17.1	-120.0	290.0	4.792	-31.821
5	-.038	.008	12.6	-109.2	288.2	3.303	-26.976
6	-.053	.011	8.0	-97.8	286.4	1.958	-22.167
7	-.069	.013	3.5	-86.1	284.6	.784	-17.547
8	-.086	.016	-.9	-73.9	282.7	.784	-13.336
9	-.105	.019	-5.3	-61.6	280.9	-.945	-9.757
10	-.124	.022	-9.6	-49.1	279.1	-1.489	-7.017

EXCENTRICIDADES RESULTANTES CABEZA -.175950287756 -.0345067005476
EXCENTRICIDADES 1 ORDEN CABEZA -.176280902902 -.034396273737

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	34.8	-156.1	297.3	12.146	-50.552
1	-.002	0.000	30.6	-148.4	295.4	9.898	-45.626
2	-.007	.002	26.2	-139.8	293.6	8.116	-41.254
3	-.015	.003	21.7	-130.3	291.8	6.413	-36.650
4	-.025	.005	17.2	-120.1	290.0	4.804	-31.877
5	-.037	.007	12.7	-109.2	288.2	3.303	-27.026
6	-.051	.010	8.1	-97.9	286.4	1.958	-22.167
7	-.067

5	-.038	.008	12.6	-109.3	288.2	3.313	-27.027
6	-.053	.011	8.0	-97.9	286.4	1.966	-22.211
7	-.069	.014	3.5	-86.1	284.6	.790	-17.583
8	-.087	.016	-.9	-74.0	282.7	.790	-13.365
9	-.105	.019	-5.3	-61.6	280.9	-.943	-9.772
10	-.124	.022	-9.6	-49.1	279.1	-1.488	-7.023

EXCENTRICIDADES RESULTANTES CABEZA -.176048403315 -.0344571711241
EXCENTRICIDADES 1 ORDEN CABEZA -.176280902902 -.034396273737

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	34.8	-156.2	297.3	12.182	-50.659
1	-.002	0.000	30.6	-148.5	295.4	9.912	-45.678
2	-.007	.002	26.2	-139.9	293.6	8.126	-41.299
3	-.015	.003	21.7	-130.4	291.8	6.422	-36.691
4	-.025	.005	17.2	-120.2	290.0	4.811	-31.916
5	-.038	.008	12.6	-109.3	288.2	3.319	-27.062
6	-.053	.011	8.1	-97.9	286.4	1.970	-22.241
7	-.069	.014	3.5	-86.1	284.6	.793	-17.608
8	-.087	.016	-.9	-74.0	282.7	.793	-13.380
9	-.105	.019	-5.3	-61.7	280.9	-.942	-9.781
10	-.124	.022	-9.6	-49.2	279.1	-1.487	-7.027

EXCENTRICIDADES RESULTANTES CABEZA -.176118893049 -.0344352371697
EXCENTRICIDADES 1 ORDEN CABEZA -.176280902902 -.034396273737

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	34.8	-156.2	297.3	12.208	-50.736
1	-.002	0.000	30.6	-148.5	295.4	9.921	-45.714
2	-.007	.002	26.2	-139.9	293.6	8.133	-41.330
3	-.015	.003	21.7	-130.4	291.8	6.427	-36.720
4	-.025	.005	17.2	-120.2	290.0	4.816	-31.942
5	-.038	.008	12.6	-109.4	288.2	3.322	-27.077
6	-.053	.011	8.1	-98.0	286.4	1.972	-22.255
7	-.069	.014	3.5	-86.2	284.6	.794	-17.620
8	-.087	.016	-.9	-74.0	282.7	.794	-13.395
9	-.105	.019	-5.3	-61.7	280.9	-.942	-9.787
10	-.124	.022	-9.6	-49.2	279.1	-1.488	-7.031

EXCENTRICIDADES RESULTANTES CABEZA -.176173150481 -.0344225750842
EXCENTRICIDADES 1 ORDEN CABEZA -.176280902902 -.034396273737

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	34.8	-156.2	297.3	12.226	-50.791
1	-.002	0.000	30.6	-148.6	295.4	9.927	-45.730
2	-.007	.002	26.2	-139.9	293.6	8.137	-41.343
3	-.015	.003	21.7	-130.4	291.8	6.431	-36.733
4	-.025	.005	17.2	-120.2	290.0	4.819	-31.954
5	-.038	.008	12.6	-109.4	288.2	3.325	-27.098
6	-.053	.011	8.1	-98.0	286.4	1.974	-22.274
7	-.069	.014	3.6	-86.2	284.6	.796	-17.634
8	-.087	.017	-.9	-74.1	282.7	.796	-13.403
9	-.105	.020	-5.3	-61.7	280.9	-.941	-9.792
10	-.124	.022	-9.6	-49.2	279.1	-1.488	-7.034

EXCENTRICIDADES RESULTANTES CABEZA -.176215151845 -.0344137660449
EXCENTRICIDADES 1 ORDEN CABEZA -.176280902902 -.034396273737
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

EXCENTRICIDADES RESULTANTES CABEZA -.128613353977 -.04092481273O9
EXCENTRICIDADES 1 ORDEN CABEZA -.137235449735 -.0390211640212

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	36.9	-139.2	320.6	10.544	-37.385
1	-.001	0.000	32.1	-131.6	318.7	8.923	-34.250
2	-.005	.001	27.3	-123.3	316.9	7.247	-30.566
3	-.011	.003	22.3	-114.3	315.1	5.615	-26.632
4	-.019	.005	17.3	-104.6	313.3	4.081	-22.633
5	-.028	.007	12.3	-94.6	311.5	2.684	-18.737
6	-.039	.009	7.2	-84.1	309.7	1.455	-15.108
7	-.051	.012	2.3	-73.3	307.9	.414	-11.918
8	-.063	.014	-2.6	-62.2	306.0	-.437	-9.280
9	-.077	.017	-7.5	-51.0	304.2	-1.115	-7.167
10	-.090	.019	-12.2	-39.7	302.4	-1.691	-5.453

EXCENTRICIDADES RESULTANTES CABEZA -.131260840905 -.0402874345587
EXCENTRICIDADES 1 ORDEN CABEZA -.137235449735 -.0390211640212

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	37.3	-141.0	320.6	11.045	-39.323
1	-.001	0.000	32.5	-133.4	318.7	9.290	-35.799
2	-.005	.001	27.6	-125.0	316.9	7.536	-31.899
3	-.011	.003	22.6	-115.9	315.1	5.847	-27.803
4	-.020	.005	17.6	-106.2	313.3	4.263	-23.653
5	-.029	.007	12.5	-96.0	311.5	2.820	-19.593
6	-.041	.010	7.5	-85.3	309.7	1.547	-15.786
7	-.053	.012	2.5	-74.4	307.9	.467	-12.403
8	-.066	.015	-2.4	-63.2	306.0	-.413	-9.570
9	-.080	.018	-7.3	-51.8	304.2	-1.106	-7.314
10	-.094	.020	-12.1	-40.3	302.4	-1.679	-5.538

EXCENTRICIDADES RESULTANTES CABEZA -.133148172974 -.0398775028275
EXCENTRICIDADES 1 ORDEN CABEZA -.137235449735 -.0390211640212

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	37.5	-142.3	320.6	11.362	-40.534
1	-.001	0.000	32.8	-134.6	318.7	9.535	-36.825
2	-.005	.001	27.9	-126.2	316.9	7.735	-32.812
3	-.012	.003	22.9	-117.0	315.1	6.009	-28.623
4	-.020	.005	17.8	-107.3	313.3	4.392	-24.376
5	-.030	.008	12.7	-96.9	311.5	2.916	-20.206
6	-.042	.010	7.7	-86.2	309.7	1.612	-16.270
7	-.055	.013	2.6	-75.1	307.9	.504	-12.745
8	-.068	.015	-2.3	-63.8	306.0	-.396	-9.775
9	-.082	.018	-7.2	-52.3	304.2	-1.099	-7.420
10	-.097	.021	-12.0	-40.7	302.4	-1.672	-5.598

EXCENTRICIDADES RESULTANTES CABEZA -.134462592534 -.039599574851
EXCENTRICIDADES 1 ORDEN CABEZA -.137235449735 -.0390211640212

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	37.7	-143.1	320.6	11.564	-41.302
1	-.001	0.000	32.9	-135.5	318.7	9.698	-37.504
2	-.006	.002	28.0	-127.0	316.9	7.871	-33.431
3	-.012	.003	23.0	-117.8	315.1	6.121	-29.187
4	-.021	.005	18.0	-108.0	313.3	4.481	-24.880
5	-.031	.008	12.9	-97.6	311.5	2.983	-20.636
6	-.043	.010	7.8	-86.8	309.7	1.657	-16.612
7	-.056	.013	2.8	-75.7	307.9	.530	-12.986
8	-.069	.016	-2.2	-64.3	306.0	-.385	-9.919
9	-.084	.018	-7.1	-52.7	304.2	-1.095	-7.494
10	-.099	.021	-11.9	-40.9	302.4	-1.667	-5.639

EXCENTRICIDADES RESULTANTES CABEZA -.135362876453 -.0394104785141
EXCENTRICIDADES 1 ORDEN CABEZA -.137235449735 -.0390211640212

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	37.8	-143.7	320.6	11.694	-41.796
1	-.001	0.000	33.1	-136.0	318.7	9.806	-37.954
2	-.006	.002	28.2	-127.6	316.9	7.962	-33.849
3	-.012	.003	23.1	-118.3	315.1	6.197	-29.572
4	-.021	.005	18.1	-108.5	313.3	4.543	-25.227

5	-.031	.008	13.0	-98.1	311.5	3.030	-20.934
6	-.043	.010	7.9	-87.2	309.7	1.689	-16.849
7	-.056	.013	2.8	-76.0	307.9	.548	-13.153
8	-.070	.016	-2.2	-64.6	306.0	-.376	-10.020
9	-.085	.019	-7.1	-52.9	304.2	-1.092	-7.547
10	-.100	.021	-11.9	-41.1	302.4	-1.664	-5.667

EXCENTRICIDADES RESULTANTES CABEZA -.135974016863 -.039282498633
EXCENTRICIDADES 1 ORDEN CABEZA -.137235449735 -.0390211640212

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	37.9	-144.0	320.6	11.779	-42.118
1	-.001	0.000	33.1	-136.4	318.7	9.879	-38.254
2	-.006	.002	28.2	-127.9	316.9	8.024	-34.130
3	-.012	.003	23.2	-118.7	315.1	6.249	-29.833
4	-.021	.005	18.1	-108.8	313.3	4.585	-25.463
5	-.032	.008	13.0	-98.4	311.5	3.061	-21.138
6	-.044	.010	7.9	-87.5	309.7	1.710	-17.013
7	-.057	.013	2.9	-76.2	307.9	.561	-13.269
8	-.071	.016	-2.1	-64.8	306.0	-.371	-10.089
9	-.086	.019	-7.0	-53.1	304.2	-1.090	-7.582
10	-.101	.022	-11.9	-41.2	302.4	-1.663	-5.687

EXCENTRICIDADES RESULTANTES CABEZA -.136387155966 -.0391963957087
EXCENTRICIDADES 1 ORDEN CABEZA -.137235449735 -.0390211640212

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	38.0	-144.3	320.6	11.835	-42.329
1	-.002	0.000	33.2	-136.7	318.7	9.927	-38.454
2	-.006	.002	28.3	-128.2	316.9	8.066	-34.318
3	-.012	.003	23.3	-118.9	315.1	6.284	-30.009
4	-.021	.005	18.2	-109.0	313.3	4.613	-25.622
5	-.032	.008	13.1	-98.6	311.5	3.083	-21.277
6	-.044	.011	8.0	-87.7	309.7	1.725	-17.125
7	-.057	.013	2.9	-76.4	307.9	.569	-13.349
8	-.071	.016	-2.1	-64.9	306.0	-.367	-10.137
9	-.086	.019	-7.0	-53.2	304.2	-1.089	-7.606
10	-.102	.022	-11.8	-41.3	302.4	-1.661	-5.699

EXCENTRICIDADES RESULTANTES CABEZA -.136665556052 -.0391385994694
EXCENTRICIDADES 1 ORDEN CABEZA -.137235449735 -.0390211640212

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	38.0	-144.5	320.6	11.873	-42.470
1	-.002	0.000	33.2	-136.8	318.7	9.959	-38.587
2	-.006	.002	28.3	-128.3	316.9	8.094	-34.445
3	-.012	.003	23.3	-119.1	315.1	6.308	-30.127
4	-.021	.005	18.2	-109.2	313.3	4.632	-25.730
5	-.032	.008	13.1	-98.7	311.5	3.097	-21.372
6	-.044	.011	8.0	-87.8	309.7	1.735	-17.201
7	-.057	.013	2.9	-76.5	307.9	.574	-13.403
8	-.072	.016	-2.1	-65.0	306.0	-.365	-10.167
9	-.087	.019	-7.0	-53.3	304.2	-1.088	-7.624
10	-.102	.022	-11.8	-41.4	302.4	-1.660	-5.708

EXCENTRICIDADES RESULTANTES CABEZA -.136853143022 -.039099838974
EXCENTRICIDADES 1 ORDEN CABEZA -.137235449735 -.0390211640212

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	38.0	-144.6	320.6	11.897	-42.563
1	-.002	0.000	33.3	-136.9	318.7	9.981	-38.676
2	-.006	.002	28.3	-128.5	316.9	8.112	-34.529
3	-.012	.003	23.3	-119.2	315.1	6.323	-30.206
4	-.021	.005	18.2	-109.3	313.3	4.645	-25.803
5	-.032	.008	13.1	-98.8	311.5	3.107	-21.435
6	-.044	.011	8.0	-87.9	309.7	1.741	-17.252
7	-.057	.013	2.9	-76.6	307.9	.578	-13.440
8	-.072	.016	-2.1	-65.0	306.0	-.363	-10.191
9	-.087	.019	-7.0	-53.3	304.2	-1.088	-7.635
10	-.102	.022	-11.8	-41.4	302.4	-1.660	-5.714

EXCENTRICIDADES RESULTANTES CABEZA -.13697849331 -.039073872837
EXCENTRICIDADES 1 ORDEN CABEZA -.137235449735 -.0390211640212

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	38.0	-144.7	320.6	11.914	-42.625
1	-.002	0.000	33.3	-137.0	318.7	9.995	-38.736
2	-.006	.002	28.4	-128.5	316.9	8.125	-34.586
3	-.012	.003	23.3	-119.3	315.1	6.334	-30.260
4	-.021	.005	18.2	-109.3	313.3	4.653	-25.852
5	-.032	.008	13.1	-98.9	311.5	3.114	-21.478
6	-.044	.011	8.0	-87.9	309.7	1.746	-17.287
7	-.058	.013	2.9	-76.6	307.9	.581	-13.460
8	-.072	.016	-2.1	-65.1	306.0	-.362	-10.205
9	-.087	.019	-7.0	-53.3	304.2	-1.087	-7.643
10	-.103	.022	-11.8	-41.4	302.4	-1.660	-5.718

EXCENTRICIDADES RESULTANTES CABEZA -.137064185873 -.039056458746
EXCENTRICIDADES 1 ORDEN CABEZA -.137235449735 -.0390211640212

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	38.0	-144.7	320.6	11.925	-42.667
1	-.002	0.000	33.3	-137.1	318.7	10.005	-38.776
2	-.006	.002	28.4	-128.6	316.9	8.133	-34.624
3	-.012	.003	23.3	-119.3	315.1	6.341	-30.296
4	-.021	.005	18.3	-109.4	313.3	4.659	-25.885
5	-.032	.008	13.1	-98.9	311.5	3.118	-21.507
6	-.044	.011	8.0	-88.0	309.7	1.749	-17.305
7	-.058	.013	3.0	-76.7	307.9	.582	-13.480
8	-.072	.016	-2.1	-65.1	306.0	-.361	-10.214
9	-.087	.019	-7.0	-53.4	304.2	-1.087	-7.648
10	-.103	.022	-11.8	-41.5	302.4	-1.659	-5.721

EXCENTRICIDADES RESULTANTES CABEZA -.137121450402 -.0390447467004
EXCENTRICIDADES 1 ORDEN CABEZA -.137235449735 -.0390211640212

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	38.0	-144.7	320.6	11.931	-42.686
1	-.002	0.000	33.3	-137.1	318.7	10.011	-38.794
2	-.006	.002	28.4	-128.6	316.9	8.138	-34.641
3	-.012	.003	23.4	-119.3	315.1	6.345	-30.311
4	-.021	.005	18.3	-109.4	313.3	4.662	-25.900
5	-.032	.008	13.1	-98.9	311.5	3.120	-21.521
6	-.044	.011	8.0	-88.0	309.7	1.751	-17.324
7	-.058	.013	3.0	-76.7	307.9	.584	-13.490
8	-.072	.016	-2.1	-65.1	306.0	-.361	-10.221
9	-.087	.019	-7.0	-53.4	304.2	-1.087	-7.652
10	-.103	.022	-11.8	-41.5	302.4	-1.659	-5.723

EXCENTRICIDADES RESULTANTES CABEZA -.137179649739 -.0390349379734
EXCENTRICIDADES 1 ORDEN CABEZA -.137235449735 -.0390211640212

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	38.1	-144.8	320.6	11.936	-42.707
1	-.002	0.000	33.3	-137.1	318.7	10.015	-38.815
2	-.006	.002	28.4	-128.6	316.9	8.141	-34.661
3	-.012	.003	23.4	-119.4	315.1	6.348	-30.330
4	-.021	.005	18.3	-109.4	313.3	4.665	-25.917
5	-.032	.008	13.1	-98.9	311.5	3.123	-21.536
6	-.044	.011	8.0	-88.0	309.7	1.752	-17.332
7	-.058	.013	3.0	-76.7	307.9	.584	-13.495
8	-.072	.016	-2.0	-65.1	306.0	-.360	-10.227
9	-.087	.019	-7.0	-53.4	304.2	-1.087	-7.653
10	-.103	.022	-11.8	-41.5	302.4	-1.659	-5.724

EXCENTRICIDADES RESULTANTES CABEZA -.137177123571 -.0390312601608
EXCENTRICIDADES 1 ORDEN CABEZA -.137235449735 -.0390211640212
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 13 TANTEO 0

Fpx= -8.5 t Fpy= 9.5 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	43.5	-98.1	263.5	9.278	-19.454
1	-.001	0.000	34.7	-90.8	261.6	8.366	-20.822
2	-.003	.001	25.9	-83.0	259.8	6.378	-19.476
3	-.006	.003	17.0	-75.0	258.0	4.080	-16.959
4	-.011	.004	8.2	-66.6	256.2	1.853	-14.078
5	-.017	.006	-.7	-58.1	254.4	1.853	-11.217
6	-.023	.008	-9.4	-49.3	252.6	-1.833	-8.635
7	-.031	.010	-18.1	-40.4	250.8	-3.173	-6.373
8	-.038	.011	-26.7	-31.4	248.9	-4.164	-4.647
9	-.046	.013	-35.0	-22.4	247.1	-5.133	-3.260
10	-.054	.014	-43.3	-13.3	245.3	-6.198	-1.956

EXCENTRICIDADES RESULTANTES CABEZA -.0542278263016 -.176434094159
EXCENTRICIDADES 1 ORDEN CABEZA -.10803098247 -.163065633918

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	47.1	-112.6	263.5	11.328	-25.764
1	-.001	0.000	38.3	-105.1	261.6	9.420	-24.585
2	-.004	.001	29.4	-97.2	259.8	7.037	-21.913
3	-.008	.003	20.5	-88.8	258.0	4.640	-18.712
4	-.013	.005	11.5	-80.2	256.2	2.429	-15.443
5	-.020	.007	2.6	-71.2	254.4	.499	-12.441
6	-.027	.009	-6.3	-62.1	252.6	-1.098	-9.769
7	-.036	.011	-15.1	-52.8	250.8	-2.346	-7.792
8	-.044	.013	-23.7	-43.4	248.9	-3.467	-6.301
9	-.054	.015	-32.2	-33.9	247.1	-4.608	-4.970
10	-.063	.016	-40.6	-24.3	245.3	-5.810	-3.743

EXCENTRICIDADES RESULTANTES CABEZA -.0991683336616 -.165396121718
EXCENTRICIDADES 1 ORDEN CABEZA -.10803098247 -.163065633918

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	47.5	-114.0	263.5	12.660	-29.369
1	-.001	0.000	38.7	-106.6	261.6	10.115	-26.762
2	-.004	.002	29.8	-98.7	259.8	7.449	-23.437
3	-.009	.003	20.9	-90.3	258.0	4.907	-19.905
4	-.015	.005	11.9	-81.6	256.2	2.598	-16.422
5	-.022	.008	2.9	-72.6	254.4	.590	-13.225
6	-.030	.010	-6.0	-63.4	252.6	-1.093	-10.431
7	-.039	.012	-14.7	-54.0	250.8	-2.480	-8.264
8	-.048	.014	-23.4	-44.5	248.9	-3.657	-6.620
9	-.058	.016	-31.9	-34.9	247.1	-4.791	-5.205
10	-.068	.017	-40.3	-25.2	245.3	-5.976	-3.873

EXCENTRICIDADES RESULTANTES CABEZA -.102875323682 -.164380769173
EXCENTRICIDADES 1 ORDEN CABEZA -.10803098247 -.163065633918

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	47.8	-115.3	263.5	13.372	-31.343
1	-.001	0.000	39.0	-107.8	261.6	10.516	-28.050
2	-.004	.002	30.1	-99.9	259.8	7.712	-24.425
3	-.009	.003	21.1	-91.5	258.0	5.088	-20.723
4	-.015	.006	12.1	-82.7	256.2	2.718	-17.114
5	-.023	.008	3.2	-73.6	254.4	.653	-13.784
6	-.031	.010	-5.7	-64.3	252.6	-1.082	-10.878
7	-.041	.013	-14.6	-54.8	250.8	-2.509	-8.571
8	-.050	.015	-23.2	-45.2	248.9	-3.702	-6.827
9	-.061	.016	-31.8	-35.5	247.1	-4.836	-5.361
10	-.071	.018	-40.2	-25.7	245.3	-6.012	-3.988

EXCENTRICIDADES RESULTANTES CABEZA -.104826295713 -.163872288803
EXCENTRICIDADES 1 ORDEN CABEZA -.10803098247 -.163065633918

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	48.0	-116.0	263.5	13.751	-32.394
1	-.001	0.000	39.2	-108.6	261.6	10.751	-28.809
2	-.004	.002	30.3	-100.6	259.8	7.877	-25.049
3	-.009	.004	21.3	-92.2	258.0	5.207	-21.263
4	-.016	.006	12.3	-83.4	256.2	2.797	-17.582
5	-.023	.008	3.3	-74.2	254.4	.695	-14.166
6	-.032	.011	-5.6	-64.9	252.6	-1.074	-11.175
7	-.042	.013	-14.4	-55.3	250.8	-2.525	-8.767
8	-.052	.015	-23.1	-45.7	248.9	-3.728	-6.948
9	-.062	.017	-31.7	-35.9	247.1	-4.858	-5.448
10	-.073	.018	-40.1	-26.0	245.3	-6.028	-4.050

EXCENTRICIDADES RESULTANTES CABEZA -.10607308077 -.163544304764
EXCENTRICIDADES 1 ORDEN CABEZA -.10803098247 -.163065633918

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	48.1	-116.5	263.5	13.954	-32.961
1	-.001	0.000	39.3	-109.1	261.6	10.888	-29.254
2	-.004	.002	30.4	-101.1	259.8	7.979	-25.435
3	-.009	.004	21.4	-92.6	258.0	5.283	-21.610
4	-.016	.006	12.4	-83.8	256.2	2.848	-17.889
5	-.024	.008	3.4	-74.6	254.4	.721	-14.420
6	-.033	.011	-5.5	-65.2	252.6	-1.070	-11.368
7	-.042	.013	-14.4	-55.6	250.8	-2.536	-8.891
8	-.053	.015	-23.1	-45.9	248.9	-3.743	-7.022
9	-.063	.017	-31.7	-36.1	247.1	-4.870	-5.499
10	-.075	.019	-40.1	-26.2	245.3	-6.036	-4.087

EXCENTRICIDADES RESULTANTES CABEZA -.106842491984 -.163346292335
EXCENTRICIDADES 1 ORDEN CABEZA -.10803098247 -.163065633918

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	48.2	-116.8	263.5	14.064	-33.272
1	-.001	0.000	39.4	-109.3	261.6	10.968	-29.515
2	-.004	.002	30.5	-101.3	259.8	8.041	-25.672
3	-.010	.004	21.5	-92.9	258.0	5.329	-21.827
4	-.016	.006	12.5	-84.0	256.2	2.880	-18.084
5	-.024	.008	3.5	-74.9	254.4	.738	-14.584
6	-.033	.011	-5.5	-65.4	252.6	-1.067	-11.492
7	-.043	.013	-14.3	-55.8	250.8	-2.543	-8.969
8	-.053	.015	-23.0	-46.1	248.9	-3.752	-7.067
9	-.064	.017	-31.6	-36.2	247.1	-4.875	-5.529
10	-.075	.019	-40.0	-26.3	245.3	-6.039	-4.108

EXCENTRICIDADES RESULTANTES CABEZA -.107312499619 -.163229823755
EXCENTRICIDADES 1 ORDEN CABEZA -.10803098247 -.163065633918

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	48.2	-117.0	263.5	14.125	-33.445
1	-.001	0.000	39.4	-109.5	261.6	11.014	-29.669
2	-.004	.002	30.5	-101.5	259.8	8.078	-25.815
3	-.010	.004	21.5	-93.0	258.0	5.358	-21.962
4	-.016	.006	12.5	-84.2	256.2	2.899	-18.207
5	-.024	.008	3.5	-75.0	254.4	.747	-14.687
6	-.033	.011	-5.4	-65.6	252.6	-1.067	-11.570
7	-.043	.013	-14.3	-56.0	250.8	-2.547	-9.018
8	-.053	.015	-23.0	-46.2	248.9	-3.758	-7.094
9	-.064	.017	-31.6	-36.3	247.1	-4.880	-5.549
10	-.076	.019	-40.0	-26.4	245.3	-6.041	-4.121

EXCENTRICIDADES RESULTANTES CABEZA -.107597295723 -.163161744142
EXCENTRICIDADES 1 ORDEN CABEZA -.10803098247 -.163065633918

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	48.3	-117.1	263.5	14.159	-33.545
1	-.001	.001	39.5	-109.6	261.6	11.042	-29.760
2	-.004	.002	30.5	-101.6	259.8	8.100	-25.902
3	-.010	.004	21.5	-93.1	258.0	5.375	-22.044
4	-.016	.006	12.5	-84.3	256.2	2.911	-18.283
5	-.024	.008	3.5	-75.1	254.4	.753	-14.752
6	-.033	.011	-5.4	-65.7	252.6	-1.066	-11.619
7	-.043	.013	-14.3	-56.0	250.8	-2.550	-9.048
8	-.054	.015	-23.0	-46.3	248.9	-3.760	-7.110
9	-.065	.017	-31.6	-36.4	247.1	-4.883	-5.560
10	-.076	.019	-40.0	-26.4	245.3	-6.043	-4.130

EXCENTRICIDADES RESULTANTES CABEZA -.107769694265 -.163122322379
EXCENTRICIDADES 1 ORDEN CABEZA -.10803098247 -.163065633918

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	48.3	-117.1	263.5	14.178	-33.602

ÍNDICE

I. MEMORIA Y DATOS GENERALES DE LOS TABLEROS

II. OBTENCIÓN DE ESFUERZOS

III. DIMENSIONAMIENTO DEL DINTEL

IV. COMBINACIÓN DE ESFUERZOS

- IV.1 ESFUERZOS CARACTERÍSTICOS EN CABEZA DE FUSTE 1
- IV.2 ESFUERZOS CARACTERÍSTICOS EN CABEZA DE FUSTE 2
- IV.3 ESFUERZOS MAYORADOS EN CABEZA DE FUSTE 1
- IV.4 ESFUERZOS MAYORADOS EN CABEZA DE FUSTE 2

V. ESFUERZOS EN CABEZA DE FUSTE PARA ENTRAR EN EL PROGRAMA "FUSTE"

- V.1 ESFUERZOS CARACTERÍSTICOS EN CABEZA DE FUSTE 1
- V.2 ESFUERZOS CARACTERÍSTICOS EN CABEZA DE FUSTE 2
- V.3 ESFUERZOS MAYORADOS EN CABEZA DE FUSTE 1
- IV.4 ESFUERZOS MAYORADOS EN CABEZA DE FUSTE 2

VI. ESFUERZOS EN BASE DE FUSTE PARA CÁLCULO DE LA CIMENTACIÓN

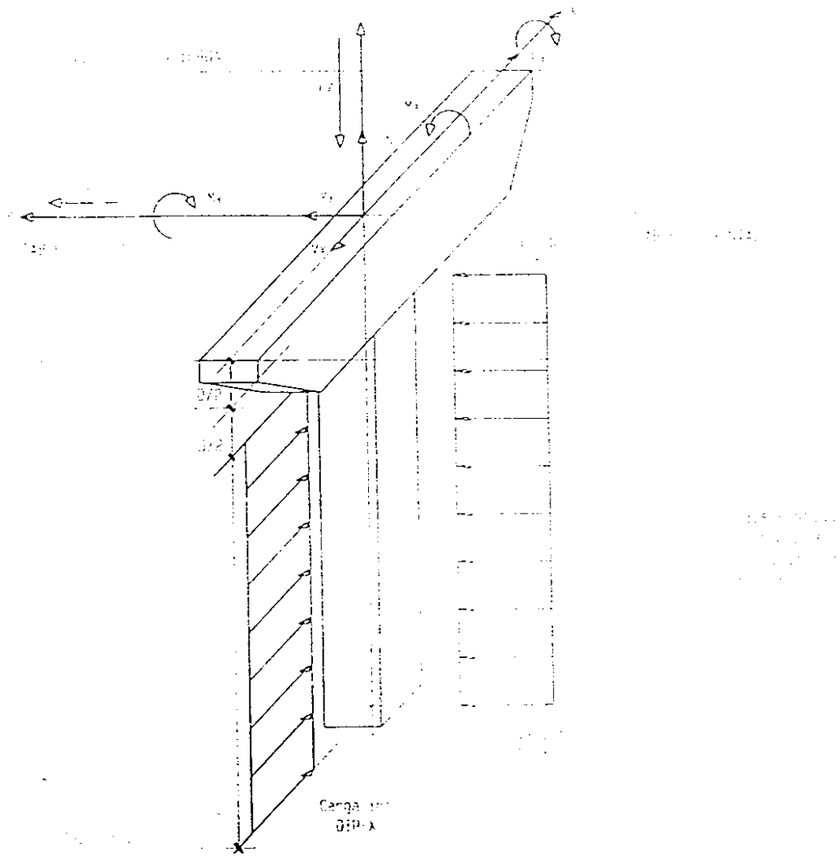
- VI.1 ESFUERZOS CARACTERÍSTICOS EN BASE DE FUSTE 1
- VI.2 ESFUERZOS CARACTERÍSTICOS EN BASE DE FUSTE 2
- VI.3 ESFUERZOS MAYORADOS EN BASE DE FUSTE 1
- VI.4 ESFUERZOS MAYORADOS EN BASE DE FUSTE 2

MEMORIA DE CÁLCULO DE PILAS

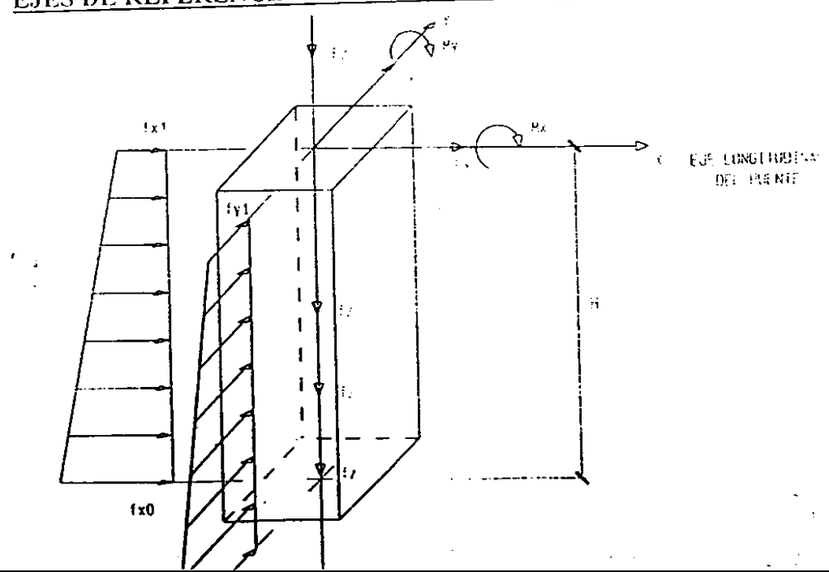
El cálculo consta de una parte inicial de generación de cargas, cálculo de esfuerzos y elaboración de envolventes y una segunda parte de comprobación de estabilidad estructural de las pilas mediante el PROGRAMA FUSTE, que desarrolla un algoritmo de cálculo en teoría de segundo orden de pilas altas de viaductos sometidas a flexocompresión esviada o biaxial, que tiene en cuenta la sección y armaduras variables en altura, el comportamiento no lineal tanto respecto del material (hormigón), como respecto de la geometría (efectos de segundo orden debidos a la esbeltez) y las condiciones de vinculación de base y cabeza.

I. MEMORIA Y DATOS GRALES. DE LOS TABLEROS

EJES DE REFERENCIA EN PROGRAMAS DATAB Y COMBINA



EJES DE REFERENCIA EN PROGRAMA FUSTE



******** DATOS GENERALES DE LOS TABLEROS ********

TABLERO: DORSAL

COORDENADAS DE LAS ESQUINAS DEL TABLERO

	X	Y
1	5.000	16.650
2	-5.000	16.650
3	5.000	.350
4	-5.000	.350

VUELO DEL BORDE IZQUIERDO (m): .4
VUELO DEL BORDE DERECHO (m): .4
NUMERO DE VIGAS : 5

COORDENADAS DE LAS ESQUINAS DEL EMPARRILLADO

	X	Y
1	4.600	16.650
2	-4.600	16.650
3	4.600	.350
4	-4.600	.350

VIGA	DIST IZQ	LUZ	ANCHO IZQUIERDA		ANCHO DERECHA	
1	0.000	16.300	.400	.400	1.150	1.150
2	2.300	16.300	1.150	1.150	1.150	1.150
3	4.600	16.300	1.150	1.150	1.150	1.150
4	6.900	16.300	1.150	1.150	1.150	1.150
5	9.200	16.300	1.150	1.150	.400	.400

CANTO DE LA VIGA (m): .8
AREA DE LA VIGA (m2): .2367
NOMBRE DEL ARCHIVO DE VIGA :Ep80

ANCHO DE LA ACERA IZQUIERDA (m): .5
ANCHO DE LA ACERA DERECHA (m): .5
ESPESOR DE LAS ACERAS (m): 0
ESPESOR DE LA LOSA (m): .25
PESO DE LA BARANDILLA IZQ (KN/m): 10
PESO DE LA BARANDILLA DER (KN/m): 10
PESO DE LA BARRERA IZQ. (KN/m): 0
PESO DE LA BARRERA DERECHA (KN/m): 0
ESPESOR TEORICO AGLOMERADO (m): .08
ESPESOR DE CALCULO AGLOMERADO (m): .12
PESO ESPECIFICO AGLOM. (KN/m3): 24
PESO ESPECIFICO HORM (KN/m3): 25
ENTREGA DE LA VIGA (m): .3

TABLERO: FRONTAL

COORDENADAS DE LAS ESQUINAS DEL TABLERO

	X	Y
1	5.000	-.350
2	-5.000	-.350
3	5.000	-14.500
4	-5.000	-14.500

VUELO DEL BORDE IZQUIERDO (m): .4
VUELO DEL BORDE DERECHO (m): .4
NUMERO DE VIGAS : 5

COORDENADAS DE LAS ESQUINAS DEL EMPARRILLADO

	X	Y
1	4.600	-.350
2	-4.600	-.350
3	4.600	-14.500
4	-4.600	-14.500

VIGA	DIST IZQ	LUZ	ANCHO IZQUIERDA		ANCHO DERECHA	
1	0.000	14.150	.400	.400	1.150	1.150
2	2.300	14.150	1.150	1.150	1.150	1.150
3	4.600	14.150	1.150	1.150	1.150	1.150
4	6.900	14.150	1.150	1.150	1.150	1.150
5	9.200	14.150	1.150	1.150	.400	.400

CANTO DE LA VIGA (m): .8
AREA DE LA VIGA (m2): .2367
NOMBRE DEL ARCHIVO DE VIGA :Ep80

ANCHO DE LA ACERA IZQUIERDA (m): .5
ANCHO DE LA ACERA DERECHA (m): .5
ESPESOR DE LAS ACERAS (m): 0
ESPESOR DE LA LOSA (m): .25
PESO DE LA BARANDILLA IZQ (KN/m): 10
PESO DE LA BARANDILLA DER (KN/m): 10
PESO DE LA BARRERA IZQ. (KN/m): 0
PESO DE LA BARRERA DERECHA (KN/m): 0
ESPESOR TEORICO AGLOMERADO (m): .08
ESPESOR DE CALCULO AGLOMERADO (m): .12
PESO ESPECIFICO AGLOM. (KN/m3): 24
PESO ESPECIFICO HORM (KN/m3): 25
ENTREGA DE LA VIGA (m): .3

POSICION DE LAS VIGAS DORSALES

	X	Y
1	4.600	.350
2	2.300	.350
3	0.000	.350
4	-2.300	.350
5	-4.600	.350

POSICION DE LAS VIGAS FRONTALES

	X	Y
1	4.600	-.350
2	2.300	-.350
3	0.000	-.350
4	-2.300	-.350
5	-4.600	-.350

SE CONSIDERA EL TABLERO DORSAL COMO MAS LARGO
EL ANCHO DE PLATAFORMA ES DE: 9.00 m.
EL NÚMERO DE CARROS ES : 1
LA POSICION EXTREMA DEL CARRO ES: A LA IZQUIERDA
TABLEROS INDEPENDIENTES

D E S C R I P C I O N D E L A P I L A

Longitud del dintel	(m):	10.00	Anchura del dintel	(m):	1.20
Longitud de la plataforma	(m):	7.80	Anchura de la plataforma	(m):	1.10
Canto minimo del dintel	(m):	.45	Canto maximo del dintel	(m):	.90
Numero de fuste	:	1	Coordenada X del fuste	(m):	-1.88
Numero de fuste	:	2	Coordenada X del fuste	(m):	1.88
Dimension (hx) del fuste	(m):	.80			
Dimension (hy) del fuste	(m):	.80			
Recubrimiento (rxs) fuste	(m):	.07	Recubrimiento (ry s) fuste	(m)	.07
Recubrimiento (rxi) fuste	(m):	.05	Recubrimiento (ry i) fuste	(m)	.05
Grado Emp. fuste-dintel:		1.00			
Peso extremo izq en dintel	(KN)	0.00	Peso extremo der en dintel	(KN)	0.00

Tipo Seccion Zona Maciza Dintel 5

SECCION TRAPECIAL

B= 1.2 B1= 1.1 H= .9

Tipo Seccion Zona Hueca Dintel 6

LONGITUD DE LA ZONA HUECA DEL DINTEL: 0

SECCION TRAPECIAL HUECA

B1= 1.2 B2= 1.1 H1= .9 B3= .68

B4= .62 H2= .5

Recubrimiento Sup. dintel (m) .05

Recubrimiento Inf. dintel (m) .05

Recubrimiento Lat. dintel (m) .05

D A T O S D E M A T E R I A L E S

Resistencia Caracteristica del Hormigon (Mpa): 35

Resistencia caracteristica del Acero (Mpa): 510

Coeficiente de seguridad del Hormigon : 1.5

Coeficiente de seguridad del Acero : 1.15

D A T O S D E V I E N T O Y S I S M O

Presion del Viento (KN/m2) : 2.7

Altura de la barandilla (m) : 1

Pendiente transversal tablero (%) : 0

Factor Sismico : 0

Factor participacion de sobrecarga : 0

---------- CARACTERISTICAS DE LOS MATERIALES ----------

RESISTENCIA CARACTERISTICA DEL HORMIGON fck : 35 Mpa

COEFICIENTE DE MINORACION DEL HORMIGON : 1.5

MODULO DE ELASTICIDAD : 29778.8835133 Mpa

RESISTENCIA CARACTERISTICA DEL ACERO fyk : 510 Mpa

COEFICIENTE DE MINORACION DEL ACERO : 1.15

NUMERO DE FUSTES = 2

DEFINICION EN PLANTA DEL CAPITEL

ESQUINAS DEL CAPITEL X	ESQUINAS DEL CAPITEL Y	ESQUINAS PLATAFORMA X	ESQUINAS PLATAFORMA Y	ESQUINAS DE LOS FUSTES X	ESQUINAS DE LOS FUSTES Y
-5.000	.600	-3.900	.550	-2.275	.400
5.000	.600	3.900	.550	-1.475	.400
-5.000	-.600	-3.900	-.550	-2.275	-.400
5.000	-.600	3.900	-.550	-1.475	-.400
				1.475	.400
				2.275	.400
				1.475	-.400
				2.275	-.400

COORDENADAS EN PLANTA DE LOS APOYOS DE LAS VIGAS

No VIGAS DORSALES = 5 No VIGAS FRONTALES = 5

	VIGAS DORSALES X	VIGAS DORSALES Y	VIGAS FRONTALES X	VIGAS FRONTALES Y
1	4.600	.350	4.600	-.350
2	2.300	.350	2.300	-.350
3	0.000	.350	0.000	-.350
4	-2.300	.350	-2.300	-.350
5	-4.600	.350	-4.600	-.350

CANTOS DEL CAPITEL: MINIMO = .45 m. MAXIMO = .9 m.

DEFINICION DE SECCIONES QUE SE DESEAN VERIFICAR

No SECC. CAPITEL= 13

	CAPITEL X
1	-4.550
2	-2.250
3	-2.160
4	-1.875
5	-1.600
6	-.630
7	0.000
8	.630
9	1.600

10 1.875
11 2.160
12 2.250
13 4.550

DEFINICION DE LAS SECCIONES DEL DINTEL

SEC/TIP		D1	D2	D3	D4	D5	D6	Area	Inercia
1/	5	1.200	1.100	.900	.680	.620	.500	1.035	.070
2/	6	1.200	1.100	.900	.680	.620	.500	.710	.063

LONGITUD HUECA : 0 Xizq= 0 Xder: 0

RECUBRIMIENTOS : Rs = .05 Ri= .05 Rl = .05

DIMENSIONES DE LA SECCION DE LOS FUSTES

Lx = .800 m.
Ly = .800 m.

RECUBRIMIENTOS INFERIORES: Rx = .05 Ry = .05
RECUBRIMIENTOS SUPERIORES: Rx = .07 Ry = .07

No. SECC. FUSTE 1 = 2 ALTURA = 8.41 AREA = .64 INERCIA = .0341333333333

	Z
1	.450
2	8.860

No. SECC. FUSTE 2 = 2 ALTURA = 8.41 AREA = .64 INERCIA = .0341333333333

	Z
1	.450
2	8.860

H I P O T E S I S D E C A R G A S

G R U P O 1 : Cargas permanentes : Peso propio, cargas muertas y reologicas

G R U P O 2 : Sobrecargas de uso

G R U P O 3 : Sobrecargas climaticas : Viento

G R U P O 4 : Acciones indirectas : SÕsmicas

G R U P O 5 : Sobrecargas del terreno : Empujes de tierras

G R U P O 6 : Sobrecargas debidas al agua : Empujes

HIPOTESIS GENERADAS PARA EL CALCULO DE LA PILA

HIP	GRUPO	DESCRIPCION
1	1	CARGA MUERTA DE TODO EL TABLERO Y REOLOGICAS
2	2	S.CARGA MEDIO TABLERO: CARRO LADO IZDO. XEJE= 3
3	2	S.CARGA MEDIO TABLERO: CARRO LADO IZDO. XEJE= 3 FREN.OPTO
4	2	S.CARGA TRESBOLILLO 1 :CARRO CENTRADO TRAMO 1 XEJE= 0
5	2	S.CARGA TRESBOLILLO 1 :CARRO CENTRADO TRAMO 1 XEJE= 0 FREN.OPTO
6	2	S.CARGA TODO EL TABLERO: CARRO LADO IZDO. XEJE= 3
7	2	S.CARGA TODO EL TABLERO: CARRO LADO IZDO. XEJE= 3 FREN.OPTO
8	2	S.CARGA TRAMO LARGO: CARRO EN LADO IZDO. XEJE= 3
9	2	S.CARGA TRAMO LARGO: CARRO EN LADO IZDO. XEJE= 3 FREN.OPTO
10	3	VIENTO PERPENDICULAR AL EJE DEL TABLERO
11	3	VIENTO PERPENDICULAR A LA PILA

H I P O T E S I S NUM: 1 G R U P O: 1

CARGA MUERTA DE TODO EL TABLERO Y REOLOGICAS

No.	VIGAS-DORSALES Fx (KN)	Fy (KN)	Fz (KN)	VIGAS -FRONTALES Fx (KN)	Fy (KN)	Fz (KN)
1	0.000	2.570	245.971	0.000	2.570	214.679
2	0.000	2.570	227.444	0.000	2.570	198.509
3	0.000	2.570	227.444	0.000	2.570	198.509
4	0.000	2.570	227.444	0.000	2.570	198.509
5	0.000	2.570	245.971	0.000	2.570	214.679

SE CONSIDERA EN ESTA HIPOTESIS EL PESO PROPIO DE LA PILA, FLUENCIA, RETRACCION Y TERMICO

H I P O T E S I S NUM: 2 G R U P O: 2

S.CARGA MEDIO TABLERO: CARRO LADO IZDO. XEJE= 3

No.	VIGAS-DORSALES Fx (KN)	Fy (KN)	Fz (KN)	VIGAS -FRONTALES Fx (KN)	Fy (KN)	Fz (KN)
1	0.000	13.262	257.805	0.000	4.738	45.725
2	0.000	13.262	391.904	0.000	4.738	67.850
3	0.000	13.262	113.990	0.000	4.738	67.850
4	0.000	13.262	0.000	0.000	4.738	0.000
5	0.000	13.262	0.000	0.000	4.738	0.000

H I P O T E S I S NUM: 3 G R U P O: 2

S.CARGA MEDIO TABLERO: CARRO LADO IZDO. XEJE= 3 FREN.OPTO

No.	VIGAS-DORSALES Fx (KN)	Fy (KN)	Fz (KN)	VIGAS -FRONTALES Fx (KN)	Fy (KN)	Fz (KN)
1	0.000	-13.262	257.805	0.000	-4.738	45.725
2	0.000	-13.262	391.904	0.000	-4.738	67.850
3	0.000	-13.262	113.990	0.000	-4.738	67.850
4	0.000	-13.262	0.000	0.000	-4.738	0.000
5	0.000	-13.262	0.000	0.000	-4.738	0.000

UTE MIRAFLORES-DIM DINTEL

H I P O T E S I S NUM: 4 G R U P O: 2

S.CARGA TRESBOLILLO 1 :CARRO CENTRADO TRAMO 1 XEJE= 0

No.	VIGAS-DORSALES Fx (KN)	Fy (KN)	Fz (KN)	VIGAS -FRONTALES Fx (KN)	Fy (KN)	Fz (KN)
1	0.000	15.259	0.000	0.000	2.741	0.000
2	0.000	15.259	120.832	0.000	2.741	0.000
3	0.000	15.259	391.904	0.000	2.741	67.850
4	0.000	15.259	120.832	0.000	2.741	0.000
5	0.000	15.259	0.000	0.000	2.741	0.000

H I P O T E S I S NUM: 5 G R U P O: 2

S.CARGA TRESBOLILLO 1 :CARRO CENTRADO TRAMO 1 XEJE= 0 FREN.OPTO

No.	VIGAS-DORSALES Fx (KN)	Fy (KN)	Fz (KN)	VIGAS -FRONTALES Fx (KN)	Fy (KN)	Fz (KN)
1	0.000	-15.259	0.000	0.000	-2.741	0.000
2	0.000	-15.259	120.832	0.000	-2.741	0.000
3	0.000	-15.259	391.904	0.000	-2.741	67.850
4	0.000	-15.259	120.832	0.000	-2.741	0.000
5	0.000	-15.259	0.000	0.000	-2.741	0.000

H I P O T E S I S NUM: 6 G R U P O: 2

S.CARGA TODO EL TABLERO: CARRO LADO IZDO. XEJE= 3

No.	VIGAS-DORSALES Fx (KN)	Fy (KN)	Fz (KN)	VIGAS -FRONTALES Fx (KN)	Fy (KN)	Fz (KN)
1	0.000	12.309	257.805	0.000	5.691	45.725
2	0.000	12.309	391.904	0.000	5.691	67.850
3	0.000	12.309	113.990	0.000	5.691	67.850
4	0.000	12.309	77.740	0.000	5.691	67.850
5	0.000	12.309	52.390	0.000	5.691	45.725

H I P O T E S I S NUM: 7 G R U P O: 2

S.CARGA TODO EL TABLERO: CARRO LADO IZDO. XEJE= 3 FREN.OPTO

No.	VIGAS-DORSALES Fx (KN)	Fy (KN)	Fz (KN)	VIGAS -FRONTALES Fx (KN)	Fy (KN)	Fz (KN)
1	0.000	-12.309	257.805	0.000	-5.691	45.725
2	0.000	-12.309	391.904	0.000	-5.691	67.850
3	0.000	-12.309	113.990	0.000	-5.691	67.850
4	0.000	-12.309	77.740	0.000	-5.691	67.850
5	0.000	-12.309	52.390	0.000	-5.691	45.725

H I P O T E S I S NUM: 8 G R U P O: 2

S.CARGA TRAMO LARGO: CARRO EN LADO IZDO. XEJE= 3

No.	VIGAS-DORSALES Fx (KN)	Fy (KN)	Fz (KN)	VIGAS -FRONTALES Fx (KN)	Fy (KN)	Fz (KN)
1	0.000	18.000	257.805	0.000	0.000	0.000
2	0.000	18.000	391.904	0.000	0.000	0.000
3	0.000	18.000	113.990	0.000	0.000	0.000
4	0.000	18.000	77.740	0.000	0.000	0.000
5	0.000	18.000	52.390	0.000	0.000	0.000

H I P O T E S I S NUM: 9 G R U P O: 2

S.CARGA TRAMO LARGO: CARRO EN LADO IZDO. XEJE= 3 FREN.OPTO

No.	VIGAS-DORSALES Fx (KN)	Fy (KN)	Fz (KN)	VIGAS -FRONTALES Fx (KN)	Fy (KN)	Fz (KN)
1	0.000	-18.000	257.805	0.000	0.000	0.000
2	0.000	-18.000	391.904	0.000	0.000	0.000
3	0.000	-18.000	113.990	0.000	0.000	0.000
4	0.000	-18.000	77.740	0.000	0.000	0.000
5	0.000	-18.000	52.390	0.000	0.000	0.000

H I P O T E S I S NUM: 10 G R U P O: 3

VIENTO PERPENDICULAR AL EJE DEL TABLERO

No.	VIGAS-DORSALES Fx (KN)	Fy (KN)	Fz (KN)	VIGAS -FRONTALES Fx (KN)	Fy (KN)	Fz (KN)
1	-23.320	0.000	0.000	-20.353	0.000	0.000
2	-23.320	0.000	0.000	-20.353	0.000	0.000
3	-23.320	0.000	0.000	-20.353	0.000	0.000
4	-23.320	0.000	0.000	-20.353	0.000	0.000
5	-23.320	0.000	0.000	-20.353	0.000	0.000

CARGAS HORIZONTALES SOBRE FUSTES

DIR-X Long.Carga (m)	Carga-Inf (KN/m)	Carga-Sup (KN/m)	DIR-Y Long.Carga (m)	Carga-Inf (KN/m)	Car-Sup (KN/m)
8.41	-2.16	-2.16	8.41	0.00	0.00
8.41	-2.16	-2.16	8.41	0.00	0.00

UTE MIRAFLORES-DIM DINTEL

H I P O T E S I S NUM: 11 G R U P O: 3

VIENTO PERPENDICULAR A LA PILA

No.	VIGAS-DORSALES Fx (KN)	Fy (KN)	Fz (KN)	VIGAS -FRONTALES Fx (KN)	Fy (KN)	Fz (KN)
1	0.000	4.860	0.000	0.000	0.000	0.000
2	0.000	4.860	0.000	0.000	0.000	0.000
3	0.000	4.860	0.000	0.000	0.000	0.000
4	0.000	4.860	0.000	0.000	0.000	0.000
5	0.000	4.860	0.000	0.000	0.000	0.000

CARGAS HORIZONTALES SOBRE FUSTES

DIR-X Long.Carga (m)	Carga-Inf (KN/m)	Carga-Sup (KN/m)	DIR-Y Long.Carga (m)	Carga-Inf (KN/m)	Car-Sup (KN/m)
8.41	0.00	0.00	8.41	2.16	2.16
8.41	0.00	0.00	8.41	2.16	2.16

H I P O T E S I S : 1 G R U P O : 1

CARGA MUERTA DE TODO EL TABLERO Y REOLOGICAS

SECCIONES DEL CAPITEL

X (m)	M (KN·m)	V (KN)	T (KN·m)
-4.55	-23.88	474.94	10.95
-2.25	-1186.99	963.55	21.08
-2.16	-1273.71	963.55	21.08
-1.88	-1163.33	-263.60	-5.06
-1.60	-1090.84	-263.60	-5.06
-.63	-854.79	-238.29	-5.06
0.00	-716.54	-212.98	-5.06
.63	-854.79	238.29	5.06
1.60	-1090.84	263.60	5.06
1.88	-1548.32	-963.55	-21.08
2.16	-1273.71	-963.55	-21.08
2.25	-1186.99	-963.55	-21.08
4.55	-23.88	-474.94	-10.95

SECCIONES DEL FUSTE 1

Z (m)	N (KN)	MX (KN·m)	MY (KN·m)	VX (KN)	VY (KN)
.45	-1219.96	31.93	-384.99	-65.16	12.85
8.86	-1354.52	139.99	192.34	-65.16	12.85

SECCIONES DEL FUSTE 2

Z (m)	N (KN)	MX (KN·m)	MY (KN·m)	VX (KN)	VY (KN)
.45	-1219.96	31.93	384.99	65.16	12.85
8.86	-1354.52	139.99	-192.34	65.16	12.85

H I P O T E S I S : 2 G R U P O : 2

S.CARGA MEDIO TABLERO: CARRO LADO IZDO. XEJE= 3

SECCIONES DEL CAPITEL

X (m)	M (KN·m)	V (KN)	T (KN·m)
-4.55	-0.00	0.00	0.00
-2.25	0.00	0.00	0.00
-2.16	0.00	0.00	0.00

-1.88	90.10	163.34	58.72
-1.60	45.18	163.34	58.72
-.63	-113.25	163.34	58.72
0.00	-216.15	163.34	58.72
.63	-433.61	345.18	74.87
1.60	-768.43	345.18	74.87
1.88	-1022.51	-763.28	-187.65
2.16	-804.98	-763.28	-187.65
2.25	-736.28	-763.28	-187.65
4.55	-15.18	-303.53	-74.23

SECCIONES DEL FUSTE 1

Z (m)	N (KN)	MX (KN·m)	MY (KN·m)	VX (KN)	VY (KN)
.45	163.34	-38.47	-90.10	-21.09	45.00
8.86	163.34	339.98	96.79	-21.09	45.00

SECCIONES DEL FUSTE 2

Z (m)	N (KN)	MX (KN·m)	MY (KN·m)	VX (KN)	VY (KN)
.45	-1108.46	282.76	159.16	21.09	45.00
8.86	-1108.46	661.21	-27.74	21.09	45.00

H I P O T E S I S : 3 G R U P O : 2

S.CARGA MEDIO TABLERO: CARRO LADO IZDO. XEJE= 3 FREN.OPTO

SECCIONES DEL CAPITEL

X (m)	M (KN·m)	V (KN)	T (KN·m)
-4.55	-0.00	0.00	0.00
-2.25	0.00	0.00	0.00
-2.16	0.00	0.00	0.00
-1.88	90.10	163.34	58.72
-1.60	45.18	163.34	58.72
-.63	-113.25	163.34	58.72
0.00	-216.15	163.34	58.72
.63	-433.61	345.18	74.87
1.60	-768.43	345.18	74.87
1.88	-1022.51	-763.28	-187.65
2.16	-804.98	-763.28	-187.65
2.25	-736.28	-763.28	-187.65
4.55	-15.18	-303.53	-74.23

SECCIONES DEL FUSTE 1

Z (m)	N (KN)	MX (KN·m)	MY (KN·m)	VX (KN)	VY (KN)
.45	163.34	-78.97	-90.10	-21.09	-45.00

8.86	163.34	-457.42	96.79	-21.09	-45.00

SECCIONES DEL FUSTE 2

Z (m)	N (KN)	MX (KN·m)	MY (KN·m)	VX (KN)	VY (KN)
.45	-1108.46	242.26	159.16	21.09	-45.00
8.86	-1108.46	-136.19	-27.74	21.09	-45.00

H I P O T E S I S : 4 G R U P O : 2

S.CARGA TRESBOLILLO 1 :CARRO CENTRADO TRAMO 1 XEJE= 0

SECCIONES DEL CAPITEL

X (m)	M (KN·m)	V (KN)	T (KN·m)
-4.55	-0.00	0.00	0.00
-2.25	-6.04	120.83	42.29
-2.16	-16.92	120.83	42.29
-1.88	-99.38	-229.88	-56.71
-1.60	-36.16	-229.88	-56.71
-.63	186.82	-229.88	-56.71
0.00	331.64	-229.88	-56.71
.63	186.82	229.88	56.71
1.60	-36.16	229.88	56.71
1.88	-51.35	-120.83	-42.29
2.16	-16.92	-120.83	-42.29
2.25	-6.04	-120.83	-42.29
4.55	-0.00	-0.00	0.00

SECCIONES DEL FUSTE 1

Z (m)	N (KN)	MX (KN·m)	MY (KN·m)	VX (KN)	VY (KN)
.45	-350.71	119.25	48.02	8.13	45.00
8.86	-350.71	497.70	-23.99	8.13	45.00

SECCIONES DEL FUSTE 2

Z (m)	N (KN)	MX (KN·m)	MY (KN·m)	VX (KN)	VY (KN)
.45	-350.71	119.25	-48.02	-8.13	45.00
8.86	-350.71	497.70	23.99	-8.13	45.00

H I P O T E S I S : 5 G R U P O : 2

S.CARGA TRESBOLILLO 1 :CARRO CENTRADO TRAMO 1 XEJE= 0 FREN.OPTO

UTE MIRAFLORES-DIM DINTEL

SECCIONES DEL CAPITEL

X (m)	M (KN·m)	V (KN)	T (KN·m)
-4.55	-0.00	0.00	0.00
-2.25	-6.04	120.83	42.29
-2.16	-16.92	120.83	42.29
-1.88	-99.38	-229.88	-56.71
-1.60	-36.16	-229.88	-56.71
-.63	186.82	-229.88	-56.71
0.00	331.64	-229.88	-56.71
.63	186.82	229.88	56.71
1.60	-36.16	229.88	56.71
1.88	-51.35	-120.83	-42.29
2.16	-16.92	-120.83	-42.29
2.25	-6.04	-120.83	-42.29
4.55	-0.00	-0.00	0.00

SECCIONES DEL FUSTE 1

Z (m)	N (KN)	MX (KN·m)	MY (KN·m)	VX (KN)	VY (KN)
.45	-350.71	78.75	48.02	8.13	-45.00
8.86	-350.71	-299.70	-23.99	8.13	-45.00

SECCIONES DEL FUSTE 2

Z (m)	N (KN)	MX (KN·m)	MY (KN·m)	VX (KN)	VY (KN)
.45	-350.71	78.75	-48.02	-8.13	-45.00
8.86	-350.71	-299.70	23.99	-8.13	-45.00

H I P O T E S I S : 6 G R U P O : 2.4

S.CARGA TODO EL TABLERO: CARRO LADO IZDO. XEJE= 3

SECCIONES DEL CAPITEL

X (m)	M (KN·m)	V (KN)	T (KN·m)
-4.55	-4.91	98.12	2.33
-2.25	-237.85	243.71	5.79
-2.16	-259.78	243.71	5.79
-1.88	-179.89	81.45	56.63
-1.60	-202.29	81.45	56.63
-.63	-281.30	81.45	56.63
0.00	-332.61	81.45	56.63
.63	-498.49	263.29	72.78
1.60	-753.88	263.29	72.78
1.88	-1022.51	-763.28	-187.65

2.16	-804.98	-763.28	-187.65
2.25	-736.28	-763.28	-187.65
4.55	-15.18	-303.53	-74.23

SECCIONES DEL FUSTE 1

Z (m)	N (KN)	MX (KN·m)	MY (KN·m)	VX (KN)	VY (KN)
.45	-162.25	-30.59	-149.35	-29.25	45.00
8.86	-162.25	347.86	109.76	-29.25	45.00

SECCIONES DEL FUSTE 2

Z (m)	N (KN)	MX (KN·m)	MY (KN·m)	VX (KN)	VY (KN)
.45	-1026.58	280.68	196.23	29.25	45.00
8.86	-1026.58	659.13	-62.89	29.25	45.00

H I P O T E S I S : 7 G R U P O : 2

S.CARGA TODO EL TABLERO: CARRO LADO IZDO. XEJE= 3 FREN.OPTO

SECCIONES DEL CAPITEL

X (m)	M (KN·m)	V (KN)	T (KN·m)
-4.55	-4.91	98.12	2.33
-2.25	-237.85	243.71	5.79
-2.16	-259.78	243.71	5.79
-1.88	-179.89	81.45	56.63
-1.60	-202.29	81.45	56.63
-.63	-281.30	81.45	56.63
0.00	-332.61	81.45	56.63
.63	-498.49	263.29	72.78
1.60	-753.88	263.29	72.78
1.88	-1022.51	-763.28	-187.65
2.16	-804.98	-763.28	-187.65
2.25	-736.28	-763.28	-187.65
4.55	-15.18	-303.53	-74.23

SECCIONES DEL FUSTE 1

Z (m)	N (KN)	MX (KN·m)	MY (KN·m)	VX (KN)	VY (KN)
.45	-162.25	-71.09	-149.35	-29.25	-45.00
8.86	-162.25	-449.54	109.76	-29.25	-45.00

SECCIONES DEL FUSTE 2

Z (m)	N (KN)	MX (KN·m)	MY (KN·m)	VX (KN)	VY (KN)
.45	-1026.58	240.18	196.23	29.25	-45.00

8.86	-1026.58	-138.27	-62.89	29.25	-45.00

H I P O T E S I S : 8 G R U P O : 2

S.CARGA TRAMO LARGO: CARRO EN LADO IZDO. XEJE= 3

SECCIONES DEL CAPITEL

X (m)	M (KN·m)	V (KN)	T (KN·m)
-4.55	-2.62	52.39	18.34
-2.25	-127.00	130.13	45.55
-2.16	-138.72	130.13	45.55
-1.88	-62.04	115.38	44.76
-1.60	-93.77	115.38	44.76
-.63	-205.68	115.38	44.76
0.00	-278.37	115.38	44.76
.63	-422.87	229.37	84.65
1.60	-645.36	229.37	84.65
1.88	-869.08	-649.71	-227.40
2.16	-683.91	-649.71	-227.40
2.25	-625.44	-649.71	-227.40
4.55	-12.89	-257.80	-90.23

SECCIONES DEL FUSTE 1

Z (m)	N (KN)	MX (KN·m)	MY (KN·m)	VX (KN)	VY (KN)
.45	-14.75	21.04	-113.77	-23.22	45.00
8.86	-14.75	399.49	91.99	-23.22	45.00

SECCIONES DEL FUSTE 2

Z (m)	N (KN)	MX (KN·m)	MY (KN·m)	VX (KN)	VY (KN)
.45	-879.08	332.30	160.64	23.22	45.00
8.86	-879.08	710.75	-45.11	23.22	45.00

H I P O T E S I S : 9 G R U P O : 2

S.CARGA TRAMO LARGO: CARRO EN LADO IZDO. XEJE= 3 FREN.OPTO

SECCIONES DEL CAPITEL

X (m)	M (KN·m)	V (KN)	T (KN·m)
-4.55	-2.62	52.39	18.34

-2.25	-127.00	130.13	45.55
-2.16	-138.72	130.13	45.55
-1.88	-62.04	115.38	44.76
-1.60	-93.77	115.38	44.76
-.63	-205.68	115.38	44.76
0.00	-278.37	115.38	44.76
.63	-422.87	229.37	84.65
1.60	-645.36	229.37	84.65
1.88	-869.08	-649.71	-227.40
2.16	-683.91	-649.71	-227.40
2.25	-625.44	-649.71	-227.40
4.55	-12.89	-257.80	-90.23

SECCIONES DEL FUSTE 1

Z (m)	N (KN)	MX (KN·m)	MY (KN·m)	VX (KN)	VY (KN)
.45	-14.75	-19.46	-113.77	-23.22	-45.00
8.86	-14.75	-397.91	91.99	-23.22	-45.00

SECCIONES DEL FUSTE 2

Z (m)	N (KN)	MX (KN·m)	MY (KN·m)	VX (KN)	VY (KN)
.45	-879.08	291.80	160.64	23.22	-45.00
8.86	-879.08	-86.65	-45.11	23.22	-45.00

H I P O T E S I S : 10 G R U P O : 3

VIENTO PERPENDICULAR AL EJE DEL TABLERO

SECCIONES DEL CAPITEL

X (m)	M (KN·m)	V (KN)	T (KN·m)
-4.55	-0.00	0.00	0.00
-2.25	0.00	0.00	0.00
-2.16	0.00	0.00	0.00
-1.88	-446.98	-238.59	0.00
-1.60	-381.37	-238.59	0.00
-.63	-149.94	-238.59	0.00
0.00	.36	-238.59	0.00
.63	150.67	-238.59	0.00
1.60	382.10	-238.59	0.00
1.88	-0.00	-0.00	0.00
2.16	-0.00	-0.00	0.00
2.25	-0.00	-0.00	0.00
4.55	-0.00	0.00	0.00

SECCIONES DEL FUSTE 1

Z (m)	N (KN)	MX (KN·m)	MY (KN·m)	VX (KN)	VY (KN)
.45	-248.15	0.00	446.98	118.66	0.00

8.86	-248.15	0.00	-519.38	117.69	0.00

SECCIONES DEL FUSTE 2

Z (m)	N (KN)	MX (KN·m)	MY (KN·m)	VX (KN)	VY (KN)
.45	229.02	0.00	447.71	118.84	0.00
8.86	229.02	0.00	-520.27	117.87	0.00

H I P O T E S I S : 11 G R U P O : 3

VIENTO PERPENDICULAR A LA PILA

SECCIONES DEL CAPITEL

X (m)	M (KN·m)	V (KN)	T (KN·m)
-4.55	0.00	0.00	0.00
-2.25	0.00	0.00	0.00
-2.16	0.00	0.00	0.00
-1.88	0.00	0.00	0.00
-1.60	0.00	0.00	0.00
-.63	0.00	0.00	0.00
0.00	0.00	0.00	0.00
.63	0.00	0.00	0.00
1.60	0.00	0.00	0.00
1.88	0.00	0.00	0.00
2.16	0.00	0.00	0.00
2.25	0.00	0.00	0.00
4.55	0.00	0.00	0.00

SECCIONES DEL FUSTE 1

Z (m)	N (KN)	MX (KN·m)	MY (KN·m)	VX (KN)	VY (KN)
.45	0.00	5.47	0.00	0.00	12.15
8.86	0.00	184.04	0.00	0.00	30.32

SECCIONES DEL FUSTE 2

Z (m)	N (KN)	MX (KN·m)	MY (KN·m)	VX (KN)	VY (KN)
.45	0.00	5.47	0.00	0.00	12.15
8.86	0.00	184.04	0.00	0.00	30.32

DIMENSIONAMIENTO DEL CAPITEL A FLEXION

SECC	X(m)	Md+(KN·m)	Md-(KN·m)	KN. Inf	KN. Sup
1	-4.550	0.000	-43.180	936.977	873.987
2	-2.250	0.000	-2137.258	1329.903	2726.423
3	-2.160	0.000	-2300.238	1329.903	2949.880
4	-1.875	0.000	-2415.467	1329.903	3113.367
5	-1.600	0.000	-2208.315	1329.903	2823.847
6	-.630	0.000	-1704.138	1329.903	2141.937
7	0.000	0.000	-1573.725	1329.903	1970.075
8	.630	0.000	-2029.922	1329.903	2579.258
9	1.600	0.000	-2788.906	1329.903	3647.776
10	1.875	0.000	-3856.253	1329.903	5309.388
11	2.160	0.000	-3118.031	1329.903	4138.543
12	2.250	0.000	-2884.908	1329.903	3788.017
13	4.550	0.000	-58.586	936.977	873.987

III. DIMENSIONAMIENTO DEL DINTEL

DIMENSIONAMIENTO DEL CAPITEL A ESFUERZO CORTANTE

SECC	X(m)	Vd(KN)	CERCOS TIPO 1			CERCOS TIPO 2		
			cm2/m	D(mm)	St(m)	cm2/m	D(mm)	St(m)
1	-4.550	859.586	16.71	12	.140	0.00	0	0.00
2	-2.250	1810.888	34.14	12	.070	0.00	0	0.00
3	-2.160	1810.888	34.14	12	.070	0.00	0	0.00
4	-1.875	827.242	12.22	12	.190	0.00	0	0.00
5	-1.600	827.242	12.22	12	.190	0.00	0	0.00
6	-.630	793.070	12.22	12	.190	0.00	0	0.00
7	0.000	758.898	12.22	12	.190	0.00	0	0.00
8	.630	948.722	12.22	12	.190	0.00	0	0.00
9	1.600	982.894	12.22	12	.190	0.00	0	0.00
10	1.875	2590.256	58.39	12	.040	0.00	0	0.00
11	2.160	2590.256	58.39	12	.040	0.00	0	0.00
12	2.250	2590.256	58.39	12	.040	0.00	0	0.00
13	4.550	1167.708	30.66	12	.070	0.00	0	0.00

DIMENSIONAMIENTO DEL CAPITEL A TORSION

SECC	X(m)	Td(KN·m)	CERCOS TIPO 1/3			CERCOS TIPO 2/4			ARM.LONG
			cm2/m	D(mm)	St(m)	cm2/m	D(mm)	St(m)	cm2 total
1	-4.550	43.933	1.90	8	.300	0.00	0	0.00	2.83
			0.00	0	0.000	0.00	0	0.00	
2	-2.250	99.938	3.17	8	.300	0.00	0	0.00	5.26
			0.00	0	0.000	0.00	0	0.00	
3	-2.160	99.938	3.17	8	.300	0.00	0	0.00	5.26
			0.00	0	0.000	0.00	0	0.00	
4	-1.875	92.660	2.94	8	.300	0.00	0	0.00	4.88
			0.00	0	0.000	0.00	0	0.00	
5	-1.600	92.660	2.94	8	.300	0.00	0	0.00	4.88
			0.00	0	0.000	0.00	0	0.00	
6	-.630	92.660	2.94	8	.300	0.00	0	0.00	4.88
			0.00	0	0.000	0.00	0	0.00	
7	0.000	92.660	2.94	8	.300	0.00	0	0.00	4.88
			0.00	0	0.000	0.00	0	0.00	
8	.630	134.576	4.27	10	.300	0.00	0	0.00	7.09
			0.00	0	0.000	0.00	0	0.00	
9	1.600	134.576	4.27	10	.300	0.00	0	0.00	7.09
			0.00	0	0.000	0.00	0	0.00	
10	1.875	372.716	11.83	12	.190	0.00	0	0.00	19.63
			0.00	0	0.000	0.00	0	0.00	
11	2.160	372.716	11.83	12	.190	0.00	0	0.00	19.63
			0.00	0	0.000	0.00	0	0.00	
12	2.250	372.716	11.83	12	.190	0.00	0	0.00	19.63
			0.00	0	0.000	0.00	0	0.00	
13	4.550	151.776	6.55	12	.300	0.00	0	0.00	9.77
			0.00	0	0.000	0.00	0	0.00	

DIMENSIONAMIENTO CONJUNTO DEL CAPITEL A CORTANTE Y TORSION

SECC	X(m)	CERCOS TIPO 1/3 cm2/m/t	cm2/m/r	D(mm)	St(m)	CERCOS TIPO 2/4 cm2/m/t	cm2/m/r	D(mm)	St(m)	ARM. LONG cm2 total
1	-4.550	18.60	9.30	12	.12	0.000	0.00	0	0.00	2.83
		0.00	0.00	0	0.00	0.000	0.00	0	0.00	
2	-2.250	37.31	18.65	12	.06	0.000	0.00	0	0.00	5.26
		0.00	0.00	0	0.00	0.000	0.00	0	0.00	
3	-2.160	37.31	18.65	12	.06	0.000	0.00	0	0.00	5.26
		0.00	0.00	0	0.00	0.000	0.00	0	0.00	
4	-1.875	15.16	7.58	12	.15	0.000	0.00	0	0.00	4.88
		0.00	0.00	0	0.00	0.000	0.00	0	0.00	
5	-1.600	15.16	7.58	12	.15	0.000	0.00	0	0.00	4.88
		0.00	0.00	0	0.00	0.000	0.00	0	0.00	
6	-.630	15.16	7.58	12	.15	0.000	0.00	0	0.00	4.88
		0.00	0.00	0	0.00	0.000	0.00	0	0.00	
7	0.000	15.16	7.58	12	.15	0.000	0.00	0	0.00	4.88
		0.00	0.00	0	0.00	0.000	0.00	0	0.00	
8	.630	16.49	8.25	12	.14	0.000	0.00	0	0.00	7.09
		0.00	0.00	0	0.00	0.000	0.00	0	0.00	
9	1.600	16.49	8.25	12	.14	0.000	0.00	0	0.00	7.09
		0.00	0.00	0	0.00	0.000	0.00	0	0.00	
10	1.875	70.22	35.11	12	.03	0.000	0.00	0	0.00	19.63
		0.00	0.00	0	0.00	0.000	0.00	0	0.00	
11	2.160	70.22	35.11	12	.03	0.000	0.00	0	0.00	19.63
		0.00	0.00	0	0.00	0.000	0.00	0	0.00	
12	2.250	70.22	35.11	12	.03	0.000	0.00	0	0.00	19.63
		0.00	0.00	0	0.00	0.000	0.00	0	0.00	
13	4.550	37.21	18.61	12	.06	0.000	0.00	0	0.00	9.77
		0.00	0.00	0	0.00	0.000	0.00	0	0.00	

IV. COMBINACIONES DE ESFUERZOS

IV.1 ESFUERZOS CARACTERÍSTICOS EN CABEZA DE FUSTE 1

HIPOTESIS I: Permanentes + Empujes + Sobrecargas

N(KN)	Mx(KN*m)	Vy(KN)	My(KN*m)	Vx(KN)	TIPO	Nú
-1056.62	-6.54	57.85	-475.09	-86.26	1	1
-1056.62	-47.04	-32.15	-475.09	-86.26	1	2
-1570.66	151.18	57.85	-336.97	-57.03	1	3
-1570.66	110.68	-32.15	-336.97	-57.03	1	4
-1382.21	1.34	57.85	-534.34	-94.41	1	5
-1382.21	-39.16	-32.15	-534.34	-94.41	1	6
-1234.71	52.96	57.85	-498.76	-88.38	1	7
-1234.71	12.46	-32.15	-498.76	-88.38	1	8

HIPOTESIS IIa: Permanentes + Empujes + Viento

N(KN)	Mx(KN*m)	Vy(KN)	My(KN*m)	Vx(KN)	TIPO	Nú
-1468.11	31.93	12.85	61.99	53.50	2	1
-1219.96	37.39	25.00	-384.99	-65.16	2	2

HIPOTESIS IIb: Permanentes + Empujes - Viento

N(KN)	Mx(KN*m)	Vy(KN)	My(KN*m)	Vx(KN)	TIPO	Nú
-971.80	31.93	12.85	-831.98	-183.82	3	1
-1219.96	26.46	.70	-384.99	-65.16	3	2

HIPOTESIS IIIa: Permanentes + Empujes + Sobrecargas + 1/2 Viento

N(KN)	Mx(KN*m)	Vy(KN)	My(KN*m)	Vx(KN)	TIPO	Nú
-1131.07	-6.54	57.85	-341.00	-50.66	4	1
-1056.62	-4.90	61.50	-475.09	-86.26	4	2
-1131.07	-47.04	-32.15	-341.00	-50.66	4	3
-1056.62	-45.40	-28.51	-475.09	-86.26	4	4
-1645.11	151.18	57.85	-202.88	-21.44	4	5
-1570.66	152.82	61.50	-336.97	-57.03	4	6
-1645.11	110.68	-32.15	-202.88	-21.44	4	7
-1570.66	112.32	-28.51	-336.97	-57.03	4	8
-1456.65	1.34	57.85	-400.25	-58.81	4	9
-1382.21	2.98	61.50	-534.34	-94.41	4	10
-1456.65	-39.16	-32.15	-400.25	-58.81	4	11
-1382.21	-37.52	-28.51	-534.34	-94.41	4	12
-1309.15	52.96	57.85	-364.66	-52.79	4	13
-1234.71	54.60	61.50	-498.76	-88.38	4	14
-1309.15	12.46	-32.15	-364.66	-52.79	4	15
-1234.71	14.10	-28.51	-498.76	-88.38	4	16

HIPOTESIS IIIb: Permanentes + Empujes + Sobrecargas - 1/2 Viento

N(KN)	Mx(KN*m)	Vy(KN)	My(KN*m)	Vx(KN)	TIPO	Nú
-982.17	-6.54	57.85	-609.19	-121.85	5	1

COMBINACION DE ESFUERZOS CARACTERISTICOS EN CABEZA DEL FUSTE Nú 1

HIPOTESIS IIIb: Permanentes + Empujes + Sobrecargas - 1/2 Viento

N(KN)	Mx(KN*m)	Vy(KN)	My(KN*m)	Vx(KN)	TIPO	Nú
-1056.62	-8.18	54.21	-475.09	-86.26	5	2
-982.17	-47.04	-32.15	-609.19	-121.85	5	3
-1056.62	-48.68	-35.80	-475.09	-86.26	5	4
-1496.22	151.18	57.85	-471.07	-92.63	5	5
-1570.66	149.54	54.21	-336.97	-57.03	5	6
-1496.22	110.68	-32.15	-471.07	-92.63	5	7
-1570.66	109.04	-35.80	-336.97	-57.03	5	8
-1307.76	1.34	57.85	-668.44	-130.01	5	9
-1382.21	-.30	54.21	-534.34	-94.41	5	10
-1307.76	-39.16	-32.15	-668.44	-130.01	5	11
-1382.21	-40.80	-35.80	-534.34	-94.41	5	12
-1160.26	52.96	57.85	-632.85	-123.98	5	13
-1234.71	51.32	54.21	-498.76	-88.38	5	14
-1160.26	12.46	-32.15	-632.85	-123.98	5	15
-1234.71	10.82	-35.80	-498.76	-88.38	5	16

IV.2 ESFUERZOS CARACTERÍSTICOS EN CABEZA DE FUSTE 2

COMBINACION DE ESFUERZOS CARACTERISTICOS EN CABEZA DEL FUSTE Nú 2

HIPOTESIS I: Permanentes + Empujes + Sobrecargas

N(KN)	Mx(KN*m)	Vy(KN)	My(KN*m)	Vx(KN)	TIPO	Nú
-2328.41	314.69	57.85	544.15	86.26	1	1
-2328.41	274.19	-32.15	544.15	86.26	1	2
-1570.66	151.18	57.85	336.97	57.03	1	3
-1570.66	110.68	-32.15	336.97	57.03	1	4
-2246.53	312.60	57.85	581.22	94.41	1	5
-2246.53	272.10	-32.15	581.22	94.41	1	6
-2099.03	364.23	57.85	545.64	88.38	1	7
-2099.03	323.73	-32.15	545.64	88.38	1	8

HIPOTESIS IIa: Permanentes + Empujes + Viento

N(KN)	Mx(KN*m)	Vy(KN)	My(KN*m)	Vx(KN)	TIPO	Nú
-990.94	31.93	12.85	832.71	184.00	2	1
-1219.96	37.39	25.00	384.99	65.16	2	2

HIPOTESIS IIb: Permanentes + Empujes - Viento

N(KN)	Mx(KN*m)	Vy(KN)	My(KN*m)	Vx(KN)	TIPO	Nú
-1448.97	31.93	12.85	-62.72	-53.68	3	1
-1219.96	26.46	.70	384.99	65.16	3	2

HIPOTESIS IIIa: Permanentes + Empujes + Sobrecargas + 1/2 Viento

N(KN)	Mx(KN*m)	Vy(KN)	My(KN*m)	Vx(KN)	TIPO	Nú
-2259.71	314.69	57.85	678.47	121.91	4	1
-2328.41	316.33	61.50	544.15	86.26	4	2
-2259.71	274.19	-32.15	678.47	121.91	4	3
-2328.41	275.83	-28.51	544.15	86.26	4	4
-1501.96	151.18	57.85	471.28	92.69	4	5
-1570.66	152.82	61.50	336.97	57.03	4	6
-1501.96	110.68	-32.15	471.28	92.69	4	7
-1570.66	112.32	-28.51	336.97	57.03	4	8
-2177.83	312.60	57.85	715.53	130.06	4	9
-2246.53	314.24	61.50	581.22	94.41	4	10
-2177.83	272.10	-32.15	715.53	130.06	4	11
-2246.53	273.74	-28.51	581.22	94.41	4	12
-2030.33	364.23	57.85	679.95	124.04	4	13
-2099.03	365.87	61.50	545.64	88.38	4	14
-2030.33	323.73	-32.15	679.95	124.04	4	15
-2099.03	325.37	-28.51	545.64	88.38	4	16

HIPOTESIS IIIb: Permanentes + Empujes + Sobrecargas - 1/2 Viento

N(KN)	Mx(KN*m)	Vy(KN)	My(KN*m)	Vx(KN)	TIPO	Nú
-2397.12	314.69	57.85	409.84	50.60	5	1

COMBINACION DE ESFUERZOS CARACTERISTICOS EN CABEZA DEL FUSTE Nú 2

HIPOTESIS IIIb: Permanentes + Empujes + Sobrecargas - 1/2 Viento

N(KN)	Mx(KN*m)	Vy(KN)	My(KN*m)	Vx(KN)	TIPO	Nú
-2328.41	313.05	54.21	544.15	86.26	5	2
-2397.12	274.19	-32.15	409.84	50.60	5	3
-2328.41	272.55	-35.80	544.15	86.26	5	4
-1639.37	151.18	57.85	202.66	21.38	5	5
-1570.66	149.54	54.21	336.97	57.03	5	6
-1639.37	110.68	-32.15	202.66	21.38	5	7
-1570.66	109.04	-35.80	336.97	57.03	5	8
-2315.24	312.60	57.85	446.91	58.75	5	9
-2246.53	310.96	54.21	581.22	94.41	5	10
-2315.24	272.10	-32.15	446.91	58.75	5	11
-2246.53	270.46	-35.80	581.22	94.41	5	12
-2167.74	364.23	57.85	411.32	52.73	5	13
-2099.03	362.59	54.21	545.64	88.38	5	14
-2167.74	323.73	-32.15	411.32	52.73	5	15
-2099.03	322.09	-35.80	545.64	88.38	5	16

IV.3 ESFUERZOS MAYORADOS EN CABEZA DE FUSTE 1

COMBINACION DE ESFUERZOS MAYORADOS EN CABEZA DEL FUSTE Nú 1

HIPOTESIS I: Permanentes + Empujes + Sobrecargas

N(KN)	Mx(KN*m)	Vy(KN)	My(KN*m)	Vx(KN)	TIPO	Nú
-1401.94	-14.60	84.85	-654.89	-119.61	1	1
-1401.94	-75.35	-50.15	-654.89	-119.61	1	2
-2173.00	221.98	84.85	-447.71	-75.78	1	3
-2173.00	161.23	-50.15	-447.71	-75.78	1	4
-1890.32	-2.78	84.85	-743.76	-131.84	1	5
-1890.32	-63.53	-50.15	-743.76	-131.84	1	6
-1669.07	74.66	84.85	-690.39	-122.80	1	7
-1669.07	13.91	-50.15	-690.39	-122.80	1	8

HIPOTESIS IIa: Permanentes + Empujes + Viento

N(KN)	Mx(KN*m)	Vy(KN)	My(KN*m)	Vx(KN)	TIPO	Nú
-2019.17	43.10	17.35	150.73	90.02	2	1
-1646.94	51.30	35.57	-519.74	-87.97	2	2

HIPOTESIS IIb: Permanentes + Empujes - Viento

N(KN)	Mx(KN*m)	Vy(KN)	My(KN*m)	Vx(KN)	TIPO	Nú
-1274.71	43.10	17.35	-1190.22	-265.96	3	1
-1646.94	34.90	-.88	-519.74	-87.97	3	2

HIPOTESIS IIIa: Permanentes + Empujes + Sobrecargas + 1/2 Viento

N(KN)	Mx(KN*m)	Vy(KN)	My(KN*m)	Vx(KN)	TIPO	Nú
-1513.61	-14.60	84.85	-453.75	-66.21	4	1
-1401.94	-12.14	90.32	-654.89	-119.61	4	2
-1513.61	-75.35	-50.15	-453.75	-66.21	4	3
-1401.94	-72.89	-44.69	-654.89	-119.61	4	4
-2284.67	221.98	84.85	-246.57	-22.38	4	5
-2173.00	224.44	90.32	-447.71	-75.78	4	6
-2284.67	161.23	-50.15	-246.57	-22.38	4	7
-2173.00	163.69	-44.69	-447.71	-75.78	4	8
-2001.99	-2.78	84.85	-542.62	-78.44	4	9
-1890.32	-.32	90.32	-743.76	-131.84	4	10
-2001.99	-63.53	-50.15	-542.62	-78.44	4	11
-1890.32	-61.07	-44.69	-743.76	-131.84	4	12
-1780.74	74.66	84.85	-489.25	-69.41	4	13
-1669.07	77.12	90.32	-690.39	-122.80	4	14
-1780.74	13.91	-50.15	-489.25	-69.41	4	15
-1669.07	16.37	-44.69	-690.39	-122.80	4	16

HIPOTESIS IIIb: Permanentes + Empujes + Sobrecargas - 1/2 Viento

N(KN)	Mx(KN*m)	Vy(KN)	My(KN*m)	Vx(KN)	TIPO	Nú
-1290.27	-14.60	84.85	-856.03	-173.01	5	1

COMBINACION DE ESFUERZOS MAYORADOS EN CABEZA DEL FUSTE Nú 1

HIPOTESIS IIIb: Permanentes + Empujes + Sobrecargas - 1/2 Viento

N(KN)	Mx(KN*m)	Vy(KN)	My(KN*m)	Vx(KN)	TIPO	Nú
-1401.94	-17.06	79.38	-654.89	-119.61	5	2
-1290.27	-75.35	-50.15	-856.03	-173.01	5	3
-1401.94	-77.81	-55.62	-654.89	-119.61	5	4
-2061.34	221.98	84.85	-648.85	-129.17	5	5
-2173.00	219.52	79.38	-447.71	-75.78	5	6
-2061.34	161.23	-50.15	-648.85	-129.17	5	7
-2173.00	158.77	-55.62	-447.71	-75.78	5	8
-1778.65	-2.78	84.85	-944.91	-185.23	5	9
-1890.32	-5.24	79.38	-743.76	-131.84	5	10
-1778.65	-63.53	-50.15	-944.91	-185.23	5	11
-1890.32	-65.99	-55.62	-743.76	-131.84	5	12
-1557.40	74.66	84.85	-891.53	-176.20	5	13
-1669.07	72.20	79.38	-690.39	-122.80	5	14
-1557.40	13.91	-50.15	-891.53	-176.20	5	15
-1669.07	11.45	-55.62	-690.39	-122.80	5	16

IV.4 ESFUERZOS MAYORADOS EN CABEZA DE FUSTE 2

COMBINACION DE ESFUERZOS MAYORADOS EN CABEZA DEL FUSTE Nú 2

HIPOTESIS I: Permanentes + Empujes + Sobrecargas

N(KN)	Mx(KN*m)	Vy(KN)	My(KN*m)	Vx(KN)	TIPO	Nú
-3309.63	467.25	84.85	758.48	119.61	1	1
-3309.63	406.50	-50.15	758.48	119.61	1	2
-2173.00	221.98	84.85	447.71	75.78	1	3
-2173.00	161.23	-50.15	447.71	75.78	1	4
-3186.80	464.12	84.85	814.08	131.84	1	5
-3186.80	403.37	-50.15	814.08	131.84	1	6
-2965.55	541.55	84.85	760.71	122.80	1	7
-2965.55	480.80	-50.15	760.71	122.80	1	8

HIPOTESIS IIa: Permanentes + Empujes + Viento

N(KN)	Mx(KN*m)	Vy(KN)	My(KN*m)	Vx(KN)	TIPO	Nú
-1303.41	43.10	17.35	1191.31	266.23	2	1
-1646.94	51.30	35.57	519.74	87.97	2	2

HIPOTESIS IIb: Permanentes + Empujes - Viento

N(KN)	Mx(KN*m)	Vy(KN)	My(KN*m)	Vx(KN)	TIPO	Nú
-1990.47	43.10	17.35	-151.83	-90.29	3	1
-1646.94	34.90	-.88	519.74	87.97	3	2

HIPOTESIS IIIa: Permanentes + Empujes + Sobrecargas + 1/2 Viento

N(KN)	Mx(KN*m)	Vy(KN)	My(KN*m)	Vx(KN)	TIPO	Nú
-3206.57	467.25	84.85	959.95	173.09	4	1
-3309.63	469.71	90.32	758.48	119.61	4	2
-3206.57	406.50	-50.15	959.95	173.09	4	3
-3309.63	408.96	-44.69	758.48	119.61	4	4
-2069.94	221.98	84.85	649.18	129.26	4	5
-2173.00	224.44	90.32	447.71	75.78	4	6
-2069.94	161.23	-50.15	649.18	129.26	4	7
-2173.00	163.69	-44.69	447.71	75.78	4	8
-3083.75	464.12	84.85	1015.55	185.32	4	9
-3186.80	466.58	90.32	814.08	131.84	4	10
-3083.75	403.37	-50.15	1015.55	185.32	4	11
-3186.80	405.83	-44.69	814.08	131.84	4	12
-2862.50	541.55	84.85	962.18	176.28	4	13
-2965.55	544.01	90.32	760.71	122.80	4	14
-2862.50	480.80	-50.15	962.18	176.28	4	15
-2965.55	483.26	-44.69	760.71	122.80	4	16

HIPOTESIS IIIb: Permanentes + Empujes + Sobrecargas - 1/2 Viento

N(KN)	Mx(KN*m)	Vy(KN)	My(KN*m)	Vx(KN)	TIPO	Nú
-3412.69	467.25	84.85	557.01	66.13	5	1

COMBINACION DE ESFUERZOS MAYORADOS EN CABEZA DEL FUSTE Nú 2

HIPOTESIS IIIb: Permanentes + Empujes + Sobrecargas - 1/2 Viento

N(KN)	Mx(KN*m)	Vy(KN)	My(KN*m)	Vx(KN)	TIPO	Nú
-3309.63	464.79	79.38	758.48	119.61	5	2
-3412.69	406.50	-50.15	557.01	66.13	5	3
-3309.63	404.04	-55.62	758.48	119.61	5	4
-2276.06	221.98	84.85	246.24	22.30	5	5
-2173.00	219.52	79.38	447.71	75.78	5	6
-2276.06	161.23	-50.15	246.24	22.30	5	7
-2173.00	158.77	-55.62	447.71	75.78	5	8
-3289.86	464.12	84.85	612.61	78.36	5	9
-3186.80	461.65	79.38	814.08	131.84	5	10
-3289.86	403.37	-50.15	612.61	78.36	5	11
-3186.80	400.90	-55.62	814.08	131.84	5	12
-3068.61	541.55	84.85	559.24	69.32	5	13
-2965.55	539.09	79.38	760.71	122.80	5	14
-3068.61	480.80	-50.15	559.24	69.32	5	15
-2965.55	478.34	-55.62	760.71	122.80	5	16

V. ESFUERZOS EN CABEZA DE FUSTE PARA ENTRAR EN EL PROGRAMA "FUSTE"

V.1 ESFUERZOS CARACTERÍSTICOS EN CABEZA DE FUSTE 1

V.2 ESFUERZOS CARACTERÍSTICOS EN CABEZA DE FUSTE 2

UTE MIRAFLORES-ESFUERZOS CARACTERÍSTICOS EN CABEZA DE FUSTE 1 . *PARA OBTENCIÓN DE LOS DE 2º ORDEN EN BASE*

canto dintel= 0,9 m

COMBINA2							FUSTE					
ESFUERZOS EN PROGRAMA COMBINA2 (KILONEWTONS)							ESFUERZOS EN PROGRAMA FUSTE (TONELADAS)					
HIPÓTESIS	N	Mx	Vy	My	Vx	Nºhip	Fx	Fy	Fz	Mx	My	NºhipFUSTE
I	-1056,6	-6,5	57,9	-475,1	-86,3	I1	-5,8	8,6	105,7	-43,6	-2,0	1
	-1570,7	151,2	57,9	-337,0	-57,1	I3	-5,8	5,7	157,1	-31,1	-17,7	2
	-1382,2	-39,2	-32,2	-534,3	-94,4	I6	3,2	9,4	138,2	-49,2	5,4	3
	-1234,7	53,0	57,9	-498,8	-88,4	I7	-5,8	8,8	123,5	-45,9	-7,9	4
II a	-1220,0	37,4	25,0	-385,0	-65,2	IIa2	-2,5	6,5	122,0	-35,6	-4,9	5
II b	-971,8	31,9	12,9	-832,0	-183,8	IIb1	-1,3	18,4	97,2	-74,9	-3,8	6
III a	-1645,1	151,2	57,9	-202,9	-21,4	IIIa5	-5,8	2,1	164,5	-19,3	-17,7	7
	-1570,7	152,8	61,5	-337,0	-57,0	IIIa6	-6,2	5,7	157,1	-31,1	-18,0	8
	-1456,7	1,3	57,9	-400,3	-58,8	IIIa9	-5,8	5,9	145,7	-37,4	-2,7	9
	-1382,2	3,0	61,5	-534,3	-94,4	IIIa10	-6,2	9,4	138,2	-49,2	-3,1	10
	-1382,2	-37,5	-28,5	-534,3	-94,4	IIIa12	2,9	9,4	138,2	-49,2	5,0	11
	-1309,2	53	57,9	-364,7	-52,8	IIIa13	-5,8	5,3	130,9	-34,1	-7,9	12
III b	-982,2	-47,1	-32,2	-609,2	-121,9	IIIb3	3,2	12,2	98,2	-55,4	6,2	13
	-1496,2	151,2	57,9	-471,1	-92,6	IIIb5	-5,8	9,3	149,6	-42,9	-17,7	14
	-1570,7	149,5	54,2	-337	-57	IIIb6	-5,4	5,7	157,1	-31,1	-17,4	15
	-1382,2	-0,3	54,2	-534,3	-94,4	IIIb10	-5,4	9,4	138,2	-49,2	-2,4	16
	-1307,8	-39,2	-32,2	-668,4	-130	IIIb11	3,2	13,0	130,8	-61,0	5,4	17
	-1160,3	53	57,9	-632,9	-124	IIIb13	-5,8	12,4	116,0	-57,7	-7,9	18

Conversión de esfuerzos entre los diferentes programas de cálculo

V.3 ESFUERZOS MAYORADOS EN CABEZA DE FUSTE 1

UTE MIRAFLORES-ESFUERZOS CARACTERÍSTICOS EN CABEZA DE FUSTE 2 *PARA OBTENCIÓN DE LOS DE 2º ORDEN EN BASE*

canto dintel= 0,9 m

COMBINA2							FUSTE						
ESFUERZOS EN PROGRAMA COMBINA2 (KILONEWTONS)							ESFUERZOS EN PROGRAMA FUSTE (TONELADAS)						
HIPÓTESIS	N	Mx	Vy	My	Vx	Nºhip	Fx	Fy	Fz	Mx	My	NºhipFUSTE
I	-2328,4	314,7	57,9	544,2	86,3	I1	-5,8	-8,6	232,8	50,5	-34,1	1
	-1570,7	151,2	57,9	337,0	57,0	I3	-5,8	-5,7	157,1	31,1	-17,7	2
	-2246,5	272,1	-32,2	581,2	94,4	I6	3,2	-9,4	224,7	53,9	-25,8	3
	-2099,0	364,2	57,9	545,6	88,4	I7	-5,8	-8,8	209,9	50,6	-39,0	4
II a	-1220,0	37,4	25,0	385,0	65,2	IIa2	-2,5	-6,5	122,0	35,6	-4,9	5
II b	-1449,0	31,9	12,9	-62,7	-53,7	IIb1	-1,3	5,4	144,9	-3,9	-3,8	6
III a	-1502,0	151,2	57,9	471,3	92,7	IIIa5	-5,8	-9,3	150,2	43,0	-17,7	7
	-1570,7	152,8	61,5	337,0	57,0	IIIa6	-6,2	-5,7	157,1	31,1	-18,0	8
	-2177,8	312,6	57,9	715,5	130,1	IIIa9	-5,8	-13,0	217,8	65,7	-33,9	9
	-2246,5	314,2	61,5	581,2	94,4	IIIa10	-6,2	-9,4	224,7	53,9	-34,2	10
	-2246,5	273,7	-28,5	581,2	94,4	IIIa12	2,9	-9,4	224,7	53,9	-26,1	11
	-2030,3	364,2	57,9	680	124,1	IIIa13	-5,8	-12,4	203,0	62,4	-39,0	12
III b	-2397,1	274,2	-32,2	409,8	50,6	IIIb3	3,2	-5,1	239,7	38,7	-26,0	13
	-1639,4	151,2	57,9	202,7	21,4	IIIb5	-5,8	-2,1	163,9	19,3	-17,7	14
	-1570,7	149,5	54,2	337	57	IIIb6	-5,4	-5,7	157,1	31,1	-17,4	15
	-2246,5	311	54,2	581,2	94,4	IIIb10	-5,4	-9,4	224,7	53,9	-33,5	16
	-2315,2	272,1	-32,2	446,9	58,8	IIIb11	3,2	-5,9	231,5	42,0	-25,8	17
	-2167,7	364,2	57,9	411,3	52,7	IIIb13	-5,8	-5,3	216,8	38,8	-39,0	18

Conversión de esfuerzos entre los diferentes programas de cálculo

UTE MIRAFLORES-ESFUERZOS MAYORADOS EN CABEZA DE FUSTE 1 *PARA OBTENCIÓN DE LOS DE 2º ORDEN EN BASE*

canto dintel= 0,9 m

COMBINA2							FUSTE						
ESFUERZOS EN PROGRAMA COMBINA2 (KILONEWTONS)							ESFUERZOS EN PROGRAMA FUSTE (TONELADAS)						
HIPÓTESIS	N	Mx	Vy	My	Vx	Nºhip	Fx	Fy	Fz	Mx	My	NºhipFUSTE
I	-1402,0	-14,6	84,9	-654,9	-119,6	I1	-8,5	12,0	140,2	-60,1	-2,4	1
	-2173,0	222,0	84,9	-447,7	-75,8	I3	-8,5	7,6	217,3	-41,4	-26,0	2
	-1890,3	-63,5	-50,2	-743,8	-131,8	I6	5,0	13,2	189,0	-68,4	8,6	3
	-1669,1	74,7	84,9	-690,4	-122,8	I7	-8,5	12,3	166,9	-63,5	-11,3	4
II a	-1647,0	51,3	35,6	-519,7	-88,0	IIa2	-3,6	8,8	164,7	-48,0	-6,7	5
II b	-1274,7	43,1	17,4	-1190,2	-266,0	IIb1	-1,7	26,6	127,5	-107,1	-5,1	6
III a	-2284,7	222,0	84,9	-246,6	-22,4	IIIa5	-8,5	2,2	228,5	-23,7	-26,0	7
	-2173,0	224,4	90,3	-447,7	-75,8	IIIa6	-9,0	7,6	217,3	-41,4	-26,5	8
	-2002	-2,8	84,9	-542,6	-78,4	IIIa9	-8,5	7,8	200,2	-50,7	-3,5	9
	-1890,3	-0,3	90,3	-743,8	-131,8	IIIa10	-9,0	13,2	189,0	-68,4	-4,0	10
	-1890,3	-61,1	-44,7	-743,8	-131,8	IIIa12	4,5	13,2	189,0	-68,4	8,1	11
	-1780,7	74,7	84,9	-489,3	-69,4	IIIa13	-8,5	6,9	178,1	-45,8	-11,3	12
III b	-1290,3	-75,4	-50,2	-856,1	-173,0	IIIb3	5,0	17,3	129,0	-77,8	9,8	13
	-2061,3	222,0	84,9	-648,9	-129,2	IIIb5	-8,5	12,9	206,1	-59,1	-26,0	14
	-2173	219,5	79,4	-447,7	-75,8	IIIb6	-7,9	7,6	217,3	-41,4	-25,5	15
	-1890,3	-5,2	79,4	-743,8	-131,8	IIIb10	-7,9	13,2	189,0	-68,4	-3,1	16
	-1778,7	-63,5	-50,2	-944,9	-185,2	IIIb11	5,0	18,5	177,9	-86,2	8,6	17
	-1557,4	74,7	84,9	-891,5	-176,2	IIIb13	-8,5	17,6	155,7	-81,2	-11,3	18

Conversión de esfuerzos entre los diferentes programas de cálculo

V.4 ESFUERZOS MAYORADOS EN CABEZA DE FUSTE 2

UTE MIRAFLORES-ESFUERZOS MAYORADOS EN CABEZA DE FUSTE 2 *PARA OBTENCIÓN DE LOS DE 2º ORDEN EN BASE*

canto dintel= 0,9 m

COMBINA2							FUSTE						
ESFUERZOS EN PROGRAMA COMBINA2 (KILONEWTONS)							ESFUERZOS EN PROGRAMA FUSTE (TONELADAS)						
HIPÓTESIS	N	Mx	Vy	My	Vx	Nºhip	Fx	Fy	Fz	Mx	My	NºhipFUSTE
I	-3309,6	467,3	84,9	758,5	119,6	I1	-8,5	-12,0	331,0	70,5	-50,6	1
	-2173,0	222,0	84,9	447,7	75,8	I3	-8,5	-7,6	217,3	41,4	-26,0	2
	-3186,8	403,4	-50,2	814,1	131,8	I6	5,0	-13,2	318,7	75,5	-38,1	3
	-2965,6	541,6	84,9	760,7	122,8	I7	-8,5	-12,3	296,6	70,5	-58,0	4
II a	-1646,9	51,3	35,6	519,7	88,0	IIa2	-3,6	-8,8	164,7	48,0	-6,7	5
II b	-1990,5	43,1	17,4	-151,8	-90,3	IIb1	-1,7	9,0	199,1	-11,1	-5,1	6
III a	-2069,9	222,0	84,9	649,2	129,3	IIIa5	-8,5	-12,9	207,0	59,1	-26,0	7
	-2173,0	224,4	90,3	447,7	75,8	IIIa6	-9,0	-7,6	217,3	41,4	-26,5	8
	-3083,8	464,1	84,9	1015,6	185,3	IIIa9	-8,5	-18,5	308,4	93,2	-50,2	9
	-3186,8	466,6	90,3	814,1	131,8	IIIa10	-9,0	-13,2	318,7	75,5	-50,7	10
	-3186,8	405,8	-44,7	814,1	131,8	IIIa12	4,5	-13,2	318,7	75,5	-38,6	11
	-2862,5	541,6	84,9	962,2	176,3	IIIa13	-8,5	-17,6	286,3	88,3	-58,0	12
III b	-3412,7	406,5	-50,2	557,0	66,1	IIIb3	5,0	-6,6	341,3	52,7	-38,4	13
	-2276,1	222,0	84,9	246,2	22,3	IIIb5	-8,5	-2,2	227,6	23,6	-26,0	14
	-2173	219,5	79,4	447,7	75,8	IIIb6	-7,9	-7,6	217,3	41,4	-25,5	15
	-3186,8	461,7	79,4	814,1	131,8	IIIb10	-7,9	-13,2	318,7	75,5	-49,7	16
	-3289,9	403,4	-50,2	612,6	78,4	IIIb11	5,0	-7,8	329,0	57,7	-38,1	17
	-3068,6	541,6	84,9	559,2	69,3	IIIb13	-8,5	-6,9	306,9	52,8	-58,0	18

Conversión de esfuerzos entre los diferentes programas de cálculo

VI. ESFUERZOS EN BASE DE FUSTE PARA CÁLCULO DE LA CIMENTACIÓN

PROGRAMA: FUSTE VERSION: Mayo 1997

----------ACCIONES----------

CLR es la Carga Linealmente Repartida, en t/m, en 11 secciones
La primera seccion es la de la base, y la ultima la de la cabeza

HIPçTESIS	Fx	Fy	Fz	Mxl	Myl	Gampp					
1	-5.800	8.600	105.700	-43.600	-2.000	1.00					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	-5.800	5.700	157.100	-31.100	-17.700	1.00					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	3.200	9.400	138.200	-49.200	5.400	1.00					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	-5.800	8.800	123.500	-45.900	-7.900	1.00					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	-2.500	6.500	122.000	-35.600	-4.900	1.00					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22
6	-1.290	18.400	97.200	-74.900	-3.800	1.00					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	-.22	-.22	-.22	-.22	-.22	-.22	-.22	-.22	-.22	-.22	-.22
7	-5.800	2.100	164.500	-19.300	-17.700	1.00					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07
8	-6.200	5.700	157.100	-31.100	-18.000	1.00					
CLR, X:	-.07	-.07	-.07	-.07	-.07	-.07	-.07	-.07	-.07	-.07	-.07
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	-5.800	5.900	145.700	-37.400	-2.700	1.00					
CLR, X:	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	-6.150	9.400	138.200	-49.200	-3.100	1.00					
CLR, X:	-.07	-.07	-.07	-.07	-.07	-.07	-.07	-.07	-.07	-.07	-.07
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	2.900	9.400	139.000	-49.200	5.000	1.00					
CLR, X:	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

VI.1 ESFUERZOS CARACTERÍSTICOS EN BASE DE FUSTE 1

PROGRAMA: FUSTE VERSION: Mayo 1997

PROYECTO: 10648-CARACT F1

FECHA : AGOSTO 2001
DATOS CONTENIDOS EN EL FICHERO 10648C1F

----------MATERIALES----------

HormigÆn fck=350Kp/cm2 Yf=1.50 Acero fyk= 5100Kp/cm2 Ys=1.15

-----CARACTERàSTICAS DE LA PILA-----

ALTURA: 8.41 m

RIGIDEZ SEGUN x: 0ton/m RIGIDEZ SEGUN y: 0ton/m
FLEXIBILIDAD SEGUN x: 0.0000000rad/mt FLEXIBILIDAD SEGUN y: 0.0000000rad/mt

-----GEOMETRàA DE LA SECCIçN CAJçN-----

DIM. EXTERNAS DEL CAJON: EN LA BASE: 80 X 80 cm. EN CABEZA: 80 X 80cm.

ESPESORES: (BASE) Ex: 40cm, Ey: 40cm (CABEZA) Ex: 40cm, Ey: 40cm

RECUBRIMIENTO: DE LA ARMADURA EXTERIOR: 5cm. DE LA ARMADURA INTERIOR: 5cm.

--------ARMADURAS (cm2)-------

SECCION	EXTERIORES: SEGUN X	SEGUN Y	INTERIORES: SEGUN X	SEGUN Y
0	38.440	38.440	0.000	0.000
1	38.440	38.440	0.000	0.000
2	38.440	38.440	0.000	0.000
3	38.440	38.440	0.000	0.000
4	38.440	38.440	0.000	0.000
5	38.440	38.440	0.000	0.000
6	38.440	38.440	0.000	0.000
7	38.440	38.440	0.000	0.000
8	38.440	38.440	0.000	0.000
9	38.440	38.440	0.000	0.000
10	38.440	38.440	0.000	0.000

PROGRAMA: FUSTE (PICO) VERSION: Mayo 1997

COMPROBACION DE PILAS

RESULTADOS CORRESPONDIENTES A LOS DATOS CONTENIDOS EN EL FICHERO 10648C1F

PROYECTO: 10648-CARACT F1

FECHA: AGOSTO 2001

Dim. base : Lx = .80 m Ly = .80 m . Espesores ex = .40 m ey = .40 m
Dim. cabeza: Lx = .80 m Ly = .80 m . Espesores ex = .40 m ey = .40 m
MATERIALES . HormigÆn fck= 350 cm2. Yf=1.50 Acero fyk= 5100 cm2 Ys=1.15

DEFINICIONES

Flch.x : FLECHA SEGUN EL EJE LONGITUDINAL (X) EN LA CABEZA DEL FUSTE
Flch.y : FLECHA SEGUN EL EJE PERPENDICULAR (Y) EN LA CABEZA DEL FUSTE
Momx : MOMENTO DE EJE X, EN CABEZA DEL FUSTE
Momy : MOMENTO DE EJE Y, EN CABEZA DEL FUSTE
Curv.x : CURVATURA SEGUN EJE X EN CABEZA DEL FUSTE
Curv.y : CURVATURA SEGUN EJE Y EN CABEZA DEL FUSTE

HIPOTESIS 1 TANTEO 0

Fpx= -5.8 t Fpy= 8.6 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	28.8	-50.8	119.2	6.122	-10.503
1	-0.000	0.000	21.5	-45.9	117.8	5.167	-11.070
2	-.002	.001	14.2	-40.9	116.5	3.439	-9.959
3	-.003	.002	6.9	-35.8	115.1	1.600	-8.270
4	-.006	.003	-.5	-30.7	113.8	1.600	-6.486
5	-.009	.004	-7.8	-25.5	112.4	-1.584	-4.874
6	-.012	.005	-15.1	-20.2	111.1	-2.789	-3.450
7	-.015	.005	-22.5	-15.0	109.7	-3.747	-2.439
8	-.019	.006	-29.7	-9.7	108.4	-4.835	-1.664
9	-.023	.006	-37.0	-4.5	107.0	-6.391	-.834
10	-.027	.006	-44.2	.8	105.7	-8.562	-.834

EXCENTRICIDADES RESULTANTES CABEZA .00740636880808 -.417837942033
EXCENTRICIDADES 1 ORDEN CABEZA -.0189214758751 -.412488174078

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	29.4	-54.1	119.2	7.053	-12.986
1	-0.000	0.000	22.2	-49.1	117.8	5.353	-11.911
2	-.002	.001	14.8	-44.0	116.5	3.448	-10.128
3	-.004	.002	7.5	-38.9	115.1	1.636	-8.191
4	-.006	.003	.2	-33.7	113.8	1.636	-6.417
5	-.009	.004	-7.2	-28.4	112.4	-1.322	-4.823
6	-.013	.005	-14.6	-23.1	111.1	-2.419	-3.748
7	-.016	.006	-21.9	-17.8	109.7	-3.545	-3.032
8	-.020	.006	-29.2	-12.5	108.4	-5.020	-2.314
9	-.024	.007	-36.5	-7.1	107.0	-7.030	-1.458
10	-.029	.006	-43.7	-1.8	105.7	-9.626	-.408

EXCENTRICIDADES RESULTANTES CABEZA -.0171525206836 -.413143315714
EXCENTRICIDADES 1 ORDEN CABEZA -.0189214758751 -.412488174078

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	29.4	-54.0	119.2	7.508	-14.024
1	-0.000	0.000	22.2	-49.0	117.8	5.470	-12.217
2	-.002	.001	14.9	-44.0	116.5	3.470	-10.180

PROGRAMA: FUSTE VERSION: Mayo 1997

HIPçTESIS	Fx	Fy	Fz	Mxl	Myl	Gampp					
12	-5.800	5.300	130.900	-34.100	-7.900	1.00					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07
13	3.200	12.200	98.200	-55.400	6.200	1.00					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07
14	-5.800	9.300	149.600	-42.900	-17.700	1.00					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07
15	-5.400	5.700	157.100	-31.100	-17.400	1.00					
CLR, X:	-.07	-.07	-.07	-.07	-.07	-.07	-.07	-.07	-.07	-.07	-.07
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	-5.400	9.400	138.200	-49.200	-2.400	1.00					
CLR, X:	-.07	-.07	-.07	-.07	-.07	-.07	-.07	-.07	-.07	-.07	-.07
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	3.200	13.000	130.800	-61.000	5.400	1.00					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07
18	-5.800	12.400	116.000	-57.700	-7.900	1.00					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07

3	-.004	.002	7.5	-38.9	115.1	1.637	-8.151
4	-.007	.003	.2	-33.7	113.8	1.637	-6.387
5	-.010	.004	-7.2	-28.4	112.4	-1.309	-4.779
6	-.013	.005	-14.5	-23.2	111.1	-2.460	-3.733
7	-.017	.006	-21.9	-17.9	109.7	-3.635	-3.034
8	-.021	.006	-29.2	-12.6	108.4	-5.176	-2.378
9	-.025	.007	-36.4	-7.3	107.0	-7.357	-1.533
10	-.029	.006	-43.6	-1.9	105.7	-10.095	-.452

XCENTRICIDADES RESULTANTES CABEZA -.018367377325 -.412664686269
XCENTRICIDADES 1 ORDEN CABEZA -.0189214758751 -.412488174078

ec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	29.5	-54.0	119.2	7.679	-14.438
1	-.001	0.000	22.2	-49.1	117.8	5.516	-12.353
2	-.002	.001	14.9	-44.0	116.5	3.479	-10.213
3	-.004	.002	7.5	-38.9	115.1	1.637	-8.143
4	-.007	.003	.2	-33.7	113.8	1.637	-6.383
5	-.010	.004	-7.2	-28.5	112.4	-1.303	-4.767
6	-.013	.005	-14.5	-23.2	111.1	-2.455	-3.744
7	-.017	.006	-21.8	-17.9	109.7	-3.650	-3.064
8	-.021	.007	-29.1	-12.6	108.4	-5.244	-2.412
9	-.025	.007	-36.4	-7.3	107.0	-7.508	-1.564
10	-.029	.007	-43.6	-2.0	105.7	-10.293	-.466

XCENTRICIDADES RESULTANTES CABEZA -.0186638450026 -.412563217508
XCENTRICIDADES 1 ORDEN CABEZA -.0189214758751 -.412488174078

ec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	29.5	-54.0	119.2	7.744	-14.594
1	-.001	0.000	22.2	-49.1	117.8	5.535	-12.412
2	-.002	.001	14.9	-44.1	116.5	3.484	-10.232
3	-.004	.002	7.6	-38.9	115.1	1.638	-8.147
4	-.007	.003	.2	-33.7	113.8	1.638	-6.386
5	-.010	.004	-7.2	-28.5	112.4	-1.301	-4.766
6	-.013	.005	-14.5	-23.2	111.1	-2.457	-3.750
7	-.017	.006	-21.8	-18.0	109.7	-3.660	-3.074
8	-.021	.007	-29.1	-12.6	108.4	-5.275	-2.427
9	-.025	.007	-36.4	-7.3	107.0	-7.575	-1.578
10	-.029	.007	-43.6	-2.0	105.7	-10.376	-.472

XCENTRICIDADES RESULTANTES CABEZA -.018807790746 -.412516728408
XCENTRICIDADES 1 ORDEN CABEZA -.0189214758751 -.412488174078

ec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	29.5	-54.0	119.2	7.768	-14.654
1	-.001	0.000	22.2	-49.1	117.8	5.544	-12.437
2	-.002	.001	14.9	-44.1	116.5	3.487	-10.243
3	-.004	.002	7.6	-38.9	115.1	1.639	-8.149
4	-.007	.003	.2	-33.8	113.8	1.639	-6.389
5	-.010	.004	-7.2	-28.5	112.4	-1.300	-4.767
6	-.013	.005	-14.5	-23.3	111.1	-2.458	-3.752
7	-.017	.006	-21.8	-18.0	109.7	-3.664	-3.079
8	-.021	.007	-29.1	-12.6	108.4	-5.288	-2.434
9	-.025	.007	-36.4	-7.3	107.0	-7.605	-1.584
10	-.030	.007	-43.6	-2.0	105.7	-10.410	-.475

XCENTRICIDADES RESULTANTES CABEZA -.0188724862805 -.412499272051
XCENTRICIDADES 1 ORDEN CABEZA -.0189214758751 -.412488174078

ec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	29.5	-54.1	119.2	7.778	-14.676
1	-.001	0.000	22.2	-49.1	117.8	5.547	-12.448
2	-.002	.001	14.9	-44.1	116.5	3.487	-10.244
3	-.004	.002	7.6	-38.9	115.1	1.639	-8.150
4	-.007	.003	.2	-33.8	113.8	1.639	-6.390
5	-.010	.004	-7.2	-28.5	112.4	-1.300	-4.768
6	-.013	.005	-14.5	-23.3	111.1	-2.458	-3.754
7	-.017	.006	-21.8	-18.0	109.7	-3.665	-3.080
8	-.021	.007	-29.1	-12.7	108.4	-5.294	-2.437
9	-.025	.007	-36.4	-7.3	107.0	-7.619	-1.587
10	-.030	.007	-43.6	-2.0	105.7	-10.423	-.476

EXCENTRICIDADES RESULTANTES CABEZA -.0189031212709 -.412492082574
EXCENTRICIDADES 1 ORDEN CABEZA -.0189214758751 -.412488174078

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	29.5	-54.1	119.2	7.781	-14.685
1	-.001	0.000	22.2	-49.1	117.8	5.549	-12.453
2	-.002	.001	14.9	-44.1	116.5	3.488	-10.249
3	-.004	.002	7.6	-38.9	115.1	1.639	-8.151
4	-.007	.003	.2	-33.8	113.8	1.639	-6.390
5	-.010	.004	-7.2	-28.5	112.4	-1.300	-4.768
6	-.013	.005	-14.5	-23.3	111.1	-2.459	-3.754
7	-.017	.006	-21.8	-18.0	109.7	-3.665	-3.081
8	-.021	.007	-29.1	-12.7	108.4	-5.295	-2.438
9	-.025	.007	-36.4	-7.3	107.0	-7.624	-1.588
10	-.030	.007	-43.6	-2.0	105.7	-10.429	-.477

EXCENTRICIDADES RESULTANTES CABEZA -.0189118263016 -.412490330066
EXCENTRICIDADES 1 ORDEN CABEZA -.0189214758751 -.412488174078
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 2 TANTEO 0

Fpx= -5.8 t Fpy= 5.7 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	16.9	-66.5	170.6	3.485	-12.858
1	-0.000	0.000	12.0	-61.6	169.2	2.751	-13.545
2	-.002	0.000	7.2	-56.5	167.9	1.671	-12.683
3	-.004	.001	2.3	-51.2	166.5	.529	-11.167
4	-.007	.001	-2.5	-45.8	165.2	-.555	-9.453
5	-.011	.002	-7.4	-40.4	163.8	-1.527	-7.745
6	-.015	.002	-12.3	-34.8	162.5	-2.360	-6.158
7	-.020	.002	-17.1	-29.2	161.1	-3.039	-4.775
8	-.025	.002	-21.8	-23.5	159.8	-3.571	-3.658
9	-.031	.002	-26.6	-17.8	158.4	-4.089	-2.734
10	-.036	.001	-31.3	-12.1	157.1	-4.675	-1.877

EXCENTRICIDADES RESULTANTES CABEZA -.0769661136913 -.19917300495
EXCENTRICIDADES 1 ORDEN CABEZA -.112667091025 -.19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	17.1	-72.8	170.6	3.894	-15.958
1	-.001	0.000	12.3	-67.8	169.2	2.843	-15.171
2	-.002	0.000	7.4	-62.6	167.9	1.680	-13.597
3	-.005	.001	2.5	-57.2	166.5	.551	-11.758
4	-.008	.001	-2.3	-51.7	165.2	-.482	-9.891
5	-.012	.002	-7.2	-46.1	163.8	-1.387	-8.134
6	-.017	.002	-12.1	-40.4	162.5	-2.143	-6.595
7	-.022	.002	-16.9	-34.7	161.1	-2.753	-5.378
8	-.028	.002	-21.7	-28.8	159.8	-3.328	-4.413
9	-.034	.002	-26.5	-23.0	158.4	-3.943	-3.557
10	-.040	.002	-31.2	-17.1	157.1	-4.637	-2.757

EXCENTRICIDADES RESULTANTES CABEZA -.108984973204 -.19842968526
EXCENTRICIDADES 1 ORDEN CABEZA -.112667091025 -.19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	17.1	-73.0	170.6	4.194	-17.523
1	-.001	0.000	12.3	-68.0	169.2	2.965	-15.968
2	-.002	.001	7.5	-62.8	167.9	1.734	-14.070
3	-.005	.001	2.6	-57.5	166.5	.574	-12.088
4	-.009	.002	-2.3	-52.0	165.2	-.478	-10.150
5	-.013	.002	-7.2	-46.4	163.8	-1.401	-8.354
6	-.018	.002	-12.0	-40.7	162.5	-2.187	-6.791
7	-.023	.003	-16.9	-35.0	161.1	-2.860	-5.530
8	-.029	.003	-21.7	-29.2	159.8	-3.467	-4.528
9	-.035	.002	-26.4	-23.3	158.4	-4.089	-3.647
10	-.042	.002	-31.1	-17.4	157.1	-4.777	-2.822

EXCENTRICIDADES RESULTANTES CABEZA -.110877793638 -.198120580983
EXCENTRICIDADES 1 ORDEN CABEZA -.112667091025 -.19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	17.2	-73.2	170.6	4.326	-18.270
1	-.001	0.000	12.3	-68.3	169.2	3.020	-16.377
2	-.002	.001	7.5	-63.1	167.9	1.759	-14.341
3	-.005	.001	2.6	-57.7	166.5	.584	-12.292
4	-.009	.002	-2.3	-52.2	165.2	-.479	-10.316
5	-.013	.002	-7.1	-46.6	163.8	-1.411	-8.494
6	-.018	.002	-12.0	-40.9	162.5	-2.209	-6.910
7	-.024	.003	-16.8	-35.1	161.1	-2.890	-5.625
8	-.030	.003	-21.6	-29.3	159.8	-3.503	-4.608
9	-.036	.003	-26.4	-23.5	158.4	-4.130	-3.715
10	-.043	.002	-31.1	-17.5	157.1	-4.822	-2.877

EXCENTRICIDADES RESULTANTES CABEZA -.111698590565 -.198038244389
EXCENTRICIDADES 1 ORDEN CABEZA -.112667091025 -.19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	17.2	-73.4	170.6	4.386	-18.621
1	-.001	0.000	12.4	-68.4	169.2	3.047	-16.587
2	-.002	.001	7.5	-63.2	167.9	1.772	-14.492
3	-.005	.001	2.6	-57.9	166.5	.589	-12.413
4	-.009	.002	-2.3	-52.4	165.2	-.479	-10.417
5	-.014	.002	-7.1	-46.7	163.8	-1.418	-8.580
6	-.019	.002	-12.0	-41.0	162.5	-2.222	-6.980
7	-.024	.003	-16.8	-35.3	161.1	-2.909	-5.676
8	-.030	.003	-21.6	-29.4	159.8	-3.524	-4.646
9	-.036	.003	-26.4	-23.5	158.4	-4.151	-3.746
10	-.043	.002	-31.1	-17.6	157.1	-4.843	-2.901

EXCENTRICIDADES RESULTANTES CABEZA -.112152451201 -.197997336895
EXCENTRICIDADES 1 ORDEN CABEZA -.112667091025 -.19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	17.2	-73.5	170.6	4.414	-18.783
1	-.001	0.000	12.4	-68.5	169.2	3.060	-16.693
2	-.003	.001	7.5	-63.3	167.9	1.779	-14.574
3	-.005	.001	2.6	-57.9	166.5	.592	-12.483
4	-.009	.002	-2.3	-52.4	165.2	-.480	-10.478
5	-.014	.002	-7.1	-46.8	163.8	-1.422	-8.631
6	-.019	.002	-12.0	-41.1	162.5	-2.230	-7.020
7	-.024	.003	-16.8	-35.3	161.1	-2.919	-5.704
8	-.030	.003	-21.6	-29.5	159.8	-3.534	-4.666
9	-.037	.003	-26.4	-23.6	158.4	-4.161	-3.761
10	-.043	.002	-31.1	-17.7	157.1	-4.853	-2.912

EXCENTRICIDADES RESULTANTES CABEZA -.112395704482 -.197978606689
EXCENTRICIDADES 1 ORDEN CABEZA -.112667091025 -.19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	17.2	-73.5	170.6	4.426	-18.859
1	-.001	0.000	12.4	-68.5	169.2	3.067	-16.747
2	-.003	.001	7.5	-63.3	167.9	1.783	-14.619
3	-.005	.001	2.6	-58.0	166.5	.594	-12.522
4	-.009	.002	-2.3	-52.5	165.2	-.481	-10.513
5	-.014	.002	-7.1	-46.8	163.8	-1.425	-8.661
6	-.019	.002	-12.0	-41.1	162.5	-2.235	-7.043
7	-.024	.003	-16.8	-35.3	161.1	-2.924	-5.719
8	-.030	.003	-21.6	-29.5	159.8	-3.540	-4.676
9	-.037	.003	-26.4	-23.6	158.4	-4.165	-3.768
10	-.043	.002	-31.1	-17.7	157.1	-4.856	-2.918

EXCENTRICIDADES RESULTANTES CABEZA -.112524454862 -.197970078052
EXCENTRICIDADES 1 ORDEN CABEZA -.112667091025 -.19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	17.2	-73.5	170.6	4.432	-18.894
1	-.001	0.000	12.4	-68.5	169.2	3.071	-16.775
2	-.003	.001	7.5	-63.3	167.9	1.785	-14.643
3	-.005	.001	2.6	-58.0	166.5	.595	-12.544
4	-.009	.002	-2.3	-52.5	165.2	-.481	-10.532

5	-.014	.002	-7.1	-46.9	163.8	-1.427	-8.677
6	-.019	.002	-12.0	-41.1	162.5	-2.237	-7.056
7	-.024	.003	-16.8	-35.4	161.1	-2.926	-5.725
8	-.031	.003	-21.6	-29.5	159.8	-3.542	-4.681
9	-.037	.003	-26.4	-23.6	158.4	-4.168	-3.772
10	-.044	.002	-31.1	-17.7	157.1	-4.858	-2.920

EXCENTRICIDADES RESULTANTES CABEZA -.112592471987 -.197966390172
EXCENTRICIDADES 1 ORDEN CABEZA -.112667091025 -.19796308084
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 3 TANTEO 0

Fpx= 3.2 t Fpy= 9.4 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	29.9	32.3	151.7	5.099	5.464
1	0.000	0.000	22.0	29.6	150.3	3.982	5.326
2	.001	.001	14.0	26.8	149.0	2.469	4.572
3	.002	.001	6.0	24.0	147.6	.982	3.702
4	.003	.002	-2.0	21.2	146.3	-.303	2.932
5	.004	.003	-10.0	18.3	144.9	-1.363	2.387
6	.006	.003	-18.0	15.4	143.6	-2.404	2.028
7	.007	.004	-26.0	12.5	142.2	-3.540	1.710
8	.009	.004	-33.9	9.5	140.9	-4.820	1.431
9	.011	.004	-41.8	6.6	139.5	-6.458	1.115
10	.013	.003	-49.6	3.6	138.2	-8.639	.687

EXCENTRICIDADES RESULTANTES CABEZA .0262383997936 -.358849414234
EXCENTRICIDADES 1 ORDEN CABEZA .0390738060781 -.356005788712

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	30.3	34.3	151.7	5.488	6.156
1	0.000	0.000	22.4	31.6	150.3	3.944	5.365
2	.001	.001	14.4	28.8	149.0	2.361	4.426
3	.002	.001	6.4	26.0	147.6	.957	3.588
4	.003	.002	-1.6	23.1	146.3	-.216	3.012
5	.004	.003	-9.6	20.2	144.9	-1.280	2.658
6	.006	.003	-17.6	17.2	143.6	-2.395	2.363
7	.008	.004	-25.6	14.3	142.2	-3.627	2.139
8	.009	.004	-33.5	11.3	140.9	-5.162	1.910
9	.011	.004	-41.4	8.3	139.5	-7.181	1.571
10	.014	.003	-49.2	5.3	138.2	-9.737	1.117

EXCENTRICIDADES RESULTANTES CABEZA .0385275916156 -.355996732188
EXCENTRICIDADES 1 ORDEN CABEZA .0390738060781 -.356005788712

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	30.3	34.3	151.7	5.722	6.376
1	0.000	0.000	22.4	31.5	150.3	3.946	5.354
2	.001	.001	14.4	28.8	149.0	2.324	4.362
3	.002	.001	6.4	25.9	147.6	.941	3.555
4	.003	.002	-1.6	23.1	146.3	-.222	3.017
5	.004	.003	-9.6	20.2	144.9	-1.304	2.677
6	.006	.003	-17.6	17.3	143.6	-2.445	2.396
7	.008	.004	-25.6	14.3	142.2	-3.725	2.181
8	.009	.004	-33.5	11.4	140.9	-5.355	1.975
9	.012	.004	-41.4	8.4	139.5	-7.553	1.647
10	.014	.003	-49.2	5.4	138.2	-10.285	1.178

EXCENTRICIDADES RESULTANTES CABEZA .0390138889902 -.355961498135
EXCENTRICIDADES 1 ORDEN CABEZA .0390738060781 -.356005788712

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	30.3	34.3	151.7	5.808	6.480
1	0.000	0.000	22.4	31.5	150.3	3.943	5.354
2	.001	.001	14.4	28.8	149.0	2.309	4.340
3	.002	.001	6.4	25.9	147.6	.936	3.546
4	.003	.002	-1.6	23.1	146.3	-.223	3.018
5	.004	.003	-9.6	20.2	144.9	-1.308	2.682
6	.006	.003	-17.6	17.3	143.6	-2.456	2.408
7	.008	.004	-25.6	14.3	142.2	-3.754	2.203
8	.010	.004	-33.5	11.4	140.9	-5.438	2.005
9	.012	.004	-41.4	8.4	139.5	-7.730	1.678
10	.014	.003	-49.2	5.4	138.2	-10.538	1.200

EXCENTRICIDADES RESULTANTES CABEZA .0390375474813 -.355987840349
EXCENTRICIDADES 1 ORDEN CABEZA .0390738060781 -.356005788712

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	30.3	34.3	151.7	5.845	6.522
1	0.000	0.000	22.4	31.5	150.3	3.942	5.354
2	.001	.001	14.4	28.8	149.0	2.304	4.333
3	.002	.001	6.4	25.9	147.6	.935	3.545
4	.003	.002	-1.6	23.1	146.3	-.223	3.019
5	.004	.003	-9.6	20.2	144.9	-1.309	2.683
6	.006	.003	-17.6	17.3	143.6	-2.459	2.411
7	.008	.004	-25.6	14.3	142.2	-3.764	2.210
8	.010	.004	-33.5	11.4	140.9	-5.473	2.017
9	.012	.004	-41.4	8.4	139.5	-7.812	1.692
10	.014	.003	-49.2	5.4	138.2	-10.652	1.210

EXCENTRICIDADES RESULTANTES CABEZA .0390571081912 -.356000674573
EXCENTRICIDADES 1 ORDEN CABEZA .0390738060781 -.356005788712

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	30.3	34.3	151.7	5.860	6.540
1	0.000	0.000	22.4	31.6	150.3	3.942	5.354
2	.001	.001	14.4	28.8	149.0	2.303	4.332
3	.002	.001	6.4	25.9	147.6	.934	3.544
4	.003	.002	-1.6	23.1	146.3	-.224	3.019
5	.004	.003	-9.6	20.2	144.9	-1.309	2.684
6	.006	.003	-17.6	17.3	143.6	-2.460	2.412
7	.008	.004	-25.6	14.3	142.2	-3.767	2.213
8	.010	.004	-33.5	11.4	140.9	-5.489	2.023
9	.012	.004	-41.4	8.4	139.5	-7.849	1.699
10	.014	.003	-49.2	5.4	138.2	-10.703	1.215

EXCENTRICIDADES RESULTANTES CABEZA .0390660527514 -.356004396991
EXCENTRICIDADES 1 ORDEN CABEZA .0390738060781 -.356005788712

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	30.3	34.3	151.7	5.866	6.547
1	0.000	0.000	22.4	31.6	150.3	3.942	5.354
2	.001	.001	14.4	28.8	149.0	2.302	4.330
3	.002	.001	6.4	25.9	147.6	.934	3.545
4	.003	.002	-1.6	23.1	146.3	-.224	3.019
5	.004	.003	-9.6	20.2	144.9	-1.309	2.684
6	.006	.003	-17.6	17.3	143.6	-2.461	2.412
7	.008	.004	-25.6	14.3	142.2	-3.768	2.213
8	.010	.004	-33.5	11.4	140.9	-5.495	2.025
9	.012	.004	-41.4	8.4	139.5	-7.866	1.702
10	.014	.003	-49.2	5.4	138.2	-10.725	1.217

EXCENTRICIDADES RESULTANTES CABEZA .0390708575682 -.356005049988
EXCENTRICIDADES 1 ORDEN CABEZA .0390738060781 -.356005788712

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	30.3	34.3	151.7	5.868	6.549
1	0.000	0.000	22.4	31.6	150.3	3.942	5.354
2	.001	.001	14.4	28.8	149.0	2.302	4.330
3	.002	.001	6.4	25.9	147.6	.934	3.545
4	.003	.002	-1.6	23.1	146.3	-.224	3.019
5	.004	.003	-9.6	20.2	144.9	-1.309	2.684
6	.006	.003	-17.6	17.3	143.6	-2.461	2.413
7	.008	.004	-25.6	14.3	142.2	-3.769	2.214
8	.010	.004	-33.5	11.4	140.9	-5.497	2.026
9	.012	.004	-41.4	8.4	139.5	-7.874	1.703
10	.014	.003	-49.2	5.4	138.2	-10.735	1.218

EXCENTRICIDADES RESULTANTES CABEZA .0390730213751 -.356005230111
EXCENTRICIDADES 1 ORDEN CABEZA .0390738060781 -.356005788

CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 4 TANTEO 0

Fpx= -5.8 t Fpy= 8.8 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	28.1	-56.7	137.0	5.938	-11.496
1	-0.000	0.000	20.7	-51.8	135.6	4.905	-12.177
2	-.002	.001	13.2	-46.8	134.3	3.171	-11.138
3	-.004	.002	5.7	-41.6	132.9	1.328	-9.470
4	-.006	.002	-1.8	-36.4	131.6	-.392	-7.673
5	-.010	.003	-9.3	-31.1	130.2	-1.903	-5.975
6	-.013	.004	-16.8	-25.7	128.9	-3.173	-4.513
7	-.017	.004	-24.2	-20.4	127.5	-4.220	-3.399
8	-.022	.005	-31.7	-15.0	126.2	-5.294	-2.575
9	-.026	.004	-39.0	-9.6	124.8	-6.719	-1.765
10	-.031	.004	-46.3	-4.2	123.5	-8.672	-.831

EXCENTRICIDADES RESULTANTES CABEZA -.0337177702247 -.375272318865
EXCENTRICIDADES 1 ORDEN CABEZA -.063967611336 -.371659919028

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	28.7	-61.0	137.0	6.773	-14.288
1	-.001	0.000	21.2	-56.0	135.6	5.074	-13.296
2	-.002	.001	13.7	-50.9	134.3	3.177	-11.541
3	-.004	.002	6.2	-45.7	132.9	1.362	-9.598
4	-.007	.003	-1.3	-40.4	131.6	-.266	-7.729
5	-.011	.003	-8.8	-35.0	130.2	-1.663	-6.110
6	-.015	.004	-16.3	-29.6	128.9	-2.832	-4.916
7	-.019	.005	-23.8	-24.1	127.5	-3.968	-4.127
8	-.023	.005	-31.3	-18.6	126.2	-5.359	-3.416
9	-.028	.005	-38.7	-13.1	124.8	-7.200	-2.606
10	-.033	.004	-46.0	-7.6	123.5	-9.560	-1.645

EXCENTRICIDADES RESULTANTES CABEZA -.0614579068233 -.372328287425
EXCENTRICIDADES 1 ORDEN CABEZA -.063967611336 -.371659919028

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	28.7	-61.0	137.0	7.244	-15.524
1	-.001	0.000	21.3	-56.0	135.6	5.220	-13.750
2	-.002	.001	13.8	-50.9	134.3	3.224	-11.714
3	-.004	.002	6.3	-45.7	132.9	1.379	-9.666
4	-.007	.003	-1.3	-40.5	131.6	-.257	-7.767
5	-.011	.004	-8.8	-35.1	130.2	-1.665	-6.161
6	-.015	.004	-16.3	-29.7	128.9	-2.897	-4.974
7	-.019	.005	-23.8	-24.3	127.5	-4.104	-4.170
8	-.024	.005	-31.2	-18.8	126.2	-5.529	-3.498
9	-.029	.005	-38.6	-13.3	124.8	-7.490	-2.721
10	-.034	.005	-45.9	-7.8	123.5	-9.995	-1.743

EXCENTRICIDADES RESULTANTES CABEZA -.0630301555644 -.371865204528
EXCENTRICIDADES 1 ORDEN CABEZA -.063967611336 -.371659919028

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	28.7	-61.1	137.0	7.430	-16.048
1	-.001	0.000	21.3	-56.1	135.6	5.280	-13.965
2	-.002	.001	13.8	-51.0	134.3	3.244	-11.812
3	-.005	.002	6.3	-45.8	132.9	1.386	-9.717
4	-.008	.003	-1.2	-40.5	131.6	-.253	-7.802
5	-.011	.004	-8.8	-35.2	130.2	-1.667	-6.197
6	-.015	.005	-16.3	-29.8	128.9	-2.909	-5.019
7	-.020	.005	-23.8	-24.3	127.5	-4.131	-4.225
8	-.024	.005	-31.2	-18.9	126.2	-5.596	-3.553
9	-.029	.005	-38.6	-13.4	124.8	-7.623	-2.773
10	-.035	.005	-45.9	-7.8	123.5	-10.192	-1.782

EXCENTRICIDADES RESULTANTES CABEZA -.0635015857332 -.371751824132
EXCENTRICIDADES 1 ORDEN CABEZA -.063967611336 -.371659919028

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	28.7	-61.1	137.0	7.505	-16.261
1	-.001	0.000	21.3	-56.2	135.6	5.307	-14.064
2	-.002	.001	13.8	-51.1	134.3	3.255	-11.865
3	-.005	.002	6.3	-45.9	132.9	1.391	-9.751
4	-.008	.003	-1.2	-40.6	131.6	-.252	-7.827
5	-.011	.004	-8.8	-35.2	130.2	-1.669	-6.221
6	-.015	.005	-16.3	-29.8	128.9	-2.917	-5.042
7	-.020	.005	-23.7	-24.4	127.5	-4.148	-4.247
8	-.025	.005	-31.2	-18.9	126.2	-5.627	-3.577
9	-.030	.005	-38.6	-13.4	124.8	-7.684	-2.797
10	-.035	.005	-45.9	-7.9	123.5	-10.277	-1.800

EXCENTRICIDADES RESULTANTES CABEZA -.0637474295807 -.371697393515
EXCENTRICIDADES 1 ORDEN CABEZA -.063967611336 -.371659919028

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	28.7	-61.2	137.0	7.535	-16.347
1	-.001	0.000	21.3	-56.2	135.6	5.319	-14.109
2	-.002	.001	13.8	-51.1	134.3	3.260	-11.893
3	-.005	.002	6.3	-45.9	132.9	1.393	-9.771
4	-.008	.003	-1.2	-40.6	131.6	-.252	-7.843
5	-.011	.004	-8.8	-35.3	130.2	-1.670	-6.236
6	-.015	.005	-16.3	-29.9	128.9	-2.921	-5.054
7	-.020	.005	-23.7	-24.4	127.5	-4.155	-4.258
8	-.025	.006	-31.2	-18.9	126.2	-5.641	-3.589
9	-.030	.005	-38.6	-13.4	124.8	-7.711	-2.808
10	-.035	.005	-45.9	-7.9	123.5	-10.314	-1.808

EXCENTRICIDADES RESULTANTES CABEZA -.0638627896301 -.371675479178
EXCENTRICIDADES 1 ORDEN CABEZA -.063967611336 -.371659919028

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	28.7	-61.2	137.0	7.547	-16.382
1	-.001	0.000	21.3	-56.2	135.6	5.325	-14.130
2	-.002	.001	13.8	-51.1	134.3	3.263	-11.908
3	-.005	.002	6.3	-45.9	132.9	1.395	-9.782
4	-.008	.003	-1.2	-40.6	131.6	-.251	-7.852
5	-.011	.004	-8.7	-35.3	130.2	-1.672	-6.244
6	-.015	.005	-16.3	-29.9	128.9	-2.923	-5.058
7	-.020	.005	-23.7	-24.4	127.5	-4.157	-4.262
8	-.025	.006	-31.2	-18.9	126.2	-5.647	-3.594
9	-.030	.005	-38.6	-13.4	124.8	-7.723	-2.813
10	-.035	.005	-45.9	-7.9	123.5	-10.330	-1.812

EXCENTRICIDADES RESULTANTES CABEZA -.0639184584138 -.371666922675
EXCENTRICIDADES 1 ORDEN CABEZA -.063967611336 -.371659919028

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	28.8	-61.2	137.0	7.552	-16.396
1	-.001	0.000	21.3	-56.2	135.6	5.327	-14.140
2	-.002	.001	13.8	-51.1	134.3	3.264	-11.915
3	-.005	.002	6.3	-45.9	132.9	1.395	-9.784
4	-.008	.003	-1.2	-40.6	131.6	-.251	-7.855
5	-.011	.004	-8.7	-35.3	130.2	-1.672	-6.246
6	-.015	.005	-16.3	-29.9	128.9	-2.925	-5.062
7	-.020	.005	-23.7	-24.4	127.5	-4.160	-4.265
8	-.025	.006	-31.2	-18.9	126.2	-5.648	-3.595
9	-.030	.005	-38.6	-13.4	124.8	-7.728	-2.815
10	-.035	.005	-45.9	-7.9	123.5	-10.336	-1.814

EXCENTRICIDADES RESULTANTES CABEZA -.0639467893808 -.371662490268
EXCENTRICIDADES 1 ORDEN CABEZA -.063967611336 -.371659919028
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 5 TANTEO 0

Fpx= -2.5 t Fpy= 6.5 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	26.9	-25.9	135.5	4.442	-4.308
1	-0.000	0.000	19.9	-23.8	134.1	3.465	-4.165
2	-.001	.001	13.1	-21.7	132.8	2.198	-3.564
3	-.001	.001	6.4	-19.5	131.4	.990	-2.896
4	-.002	.002	-.2	-17.3	130.1	.990	-2.325
5	-.003	.002	-6.6	-15.0	128.7	-.883	-1.969
6	-.004	.003	-12.9	-12.8	127.4	-1.671	-1.650
7	-.006	.004	-18.9	-10.5	126.0	-2.493	-1.384
8	-.007	.004	-24.8	-8.2	124.7	-3.355	-1.144
9	-.009	.004	-30.5	-6.0	123.3	-4.332	-.914
10	-.010	.004	-36.0	-3.7	122.0	-5.568	-.623

EXCENTRICIDADES RESULTANTES CABEZA -.0300603089345 -.295440978137
EXCENTRICIDADES 1 ORDEN CABEZA -.0401639344262 -.291803278689

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	27.4	-27.4	135.5	4.752	-4.766
1	-0.000	0.000	20.4	-25.2	134.1	3.423	-4.135
2	-.001	.001	13.6	-23.0	132.8	2.107	-3.419
3	-.001	.001	6.9	-20.8	131.4	.969	-2.803
4	-.002	.002	.3	-18.6	130.1	.969	-2.437
5	-.003	.002	-6.1	-16.3	128.7	-.795	-2.113
6	-.005	.003	-12.4	-14.1	127.4	-1.629	-1.852
7	-.006	.004	-18.5	-11.8	126.0	-2.491	-1.633
8	-.007	.004	-24.4	-9.5	124.7	-3.447	-1.450
9	-.009	.004	-30.1	-7.2	123.3	-4.629	-1.215
10	-.011	.004	-35.6	-4.9	122.0	-6.097	-.907

EXCENTRICIDADES RESULTANTES CABEZA -.0398765792168 -.291824218764
EXCENTRICIDADES 1 ORDEN CABEZA -.0401639344262 -.291803278689

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	27.3	-27.3	135.5	4.917	-4.902
1	-0.000	0.000	20.4	-25.1	134.1	3.406	-4.108
2	-.001	.001	13.5	-23.0	132.8	2.068	-3.364
3	-.001	.001	6.8	-20.8	131.4	.953	-2.779
4	-.002	.002	.3	-18.6	130.1	.953	-2.441
5	-.003	.002	-6.1	-16.3	128.7	-.802	-2.113
6	-.005	.003	-12.4	-14.1	127.4	-1.646	-1.862
7	-.006	.004	-18.5	-11.8	126.0	-2.527	-1.649
8	-.007	.004	-24.4	-9.5	124.7	-3.517	-1.473
9	-.009	.004	-30.1	-7.2	123.3	-4.778	-1.253
10	-.011	.004	-35.6	-4.9	122.0	-6.358	-.945

EXCENTRICIDADES RESULTANTES CABEZA -.0401622648688 -.291779183035
EXCENTRICIDADES 1 ORDEN CABEZA -.0401639344262 -.291803278689

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	27.3	-27.3	135.5	4.976	-4.965
1	-0.000	0.000	20.4	-25.1	134.1	3.397	-4.098
2	-.001	.001	13.5	-23.0	132.8	2.055	-3.345
3	-.001	.001	6.8	-20.8	131.4	.950	-2.774
4	-.002	.002	.3	-18.6	130.1	.950	-2.440
5	-.003	.002	-6.2	-16.3	128.7	-.803	-2.113
6	-.005	.003	-12.4	-14.1	127.4	-1.649	-1.864
7	-.006	.004	-18.5	-11.8	126.0	-2.535	-1.656
8	-.007	.004	-24.4	-9.5	124.7	-3.539	-1.484
9	-.009	.004	-30.1	-7.2	123.3	-4.843	-1.269
10	-.011	.004	-35.6	-4.9	122.0	-6.481	-.959

EXCENTRICIDADES RESULTANTES CABEZA -.0401563001103 -.291797561706
EXCENTRICIDADES 1 ORDEN CABEZA -.0401639344262 -.291803278689

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	27.3	-27.3	135.5	5.002	-4.990
1	-0.000	0.000	20.4	-25.1	134.1	3.395	-4.096
2	-.001	.001	13.5	-23.0	132.8	2.051	-3.340
3	-.001	.001	6.8	-20.8	131.4	.949	-2.773
4	-.002	.002	.3	-18.6	130.1	.949	-2.439
5	-.003	.002	-6.2	-16.3	128.7	-.803	-2.113
6	-.005	.003	-12.4	-14.1	127.4	-1.649	-1.865
7	-.006	.004	-18.5	-11.8	126.0	-2.537	-1.657
8	-.007	.004	-24.4	-9.5	124.7	-3.547	-1.488
9	-.009	.004	-30.1	-7.2	123.3	-4.871	-1.275
10	-.011	.004	-35.6	-4.9	122.0	-6.538	-.966

EXCENTRICIDADES RESULTANTES CABEZA -.040158967217 -.291803958126
EXCENTRICIDADES 1 ORDEN CABEZA -.0401639344262 -.291803278689

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	27.3	-27.3	135.5	5.012	-5.000
1	-0.000	0.000	20.4	-25.1	134.1	3.394	-4.094
2	-.001	.001	13.5	-23.0	132.8	2.050	-3.338
3	-.001	.001	6.8	-20.8	131.4	.949	-2.772
4	-.002	.002	.3	-18.6	130.1	.949	-2.439
5	-.003	.002	-6.2	-16.3	128.7	-.803	-2.113
6	-.005	.003	-12.4	-14.1	127.4	-1.649	-1.865
7	-.006	.004	-18.5	-11.8	126.0	-2.537	-1.658
8	-.007	.004	-24.4	-9.5	124.7	-3.550	-1.490
9	-.009	.004	-30.1	-7.2	123.3	-4.883	-1.278
10	-.011	.004	-35.6	-4.9	122.0	-6.563	-.969

EXCENTRICIDADES RESULTANTES CABEZA -.0401619366839 -.291803688537
EXCENTRICIDADES 1 ORDEN CABEZA -.0401639344262 -.291803278689

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	27.3	-27.3	135.5	5.016	-5.004
1	-0.000	0.000	20.4	-25.1	134.1	3.393	-4.094
2	-.001	.001	13.5	-23.0	132.8	2.049	-3.338
3	-.001	.001	6.8	-20.8	131.4	.948	-2.772
4	-.002	.002	.3	-18.6	130.1	.948	-2.439
5	-.003	.002	-6.2	-16.3	128.7	-.803	-2.113
6	-.005	.003	-12.4	-14.1	127.4	-1.649	-1.865
7	-.006	.004	-18.5	-11.8	126.0	-2.538	-1.658
8	-.007	.004	-24.4	-9.5	124.7	-3.550	-1.490
9	-.009	.004	-30.1	-7.2	123.3	-4.886	-1.279
10	-.011	.004	-35.6	-4.9	122.0	-6.575	-.970

EXCENTRICIDADES RESULTANTES CABEZA -.0401628390068 -.291803945203
EXCENTRICIDADES 1 ORDEN CABEZA -.0401639344262 -.291803278689
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 6 TANTEO 0

Fpx= -1.29 t Fpy= 18.4 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	72.3	-14.7	110.7	17.186	-3.488
1	-0.000	.001	58.2	-13.6	109.3	16.671	-3.702
2	-.001	.002	43.8	-12.4	108.0	12.486	-3.378
3	-.001	.005	29.2	-11.3	106.6	7.555	-2.850
4	-.002	.008	14.4	-10.1	105.3	3.071	-2.214
5	-.003	.012	-.6	-8.9	103.9	3.071	-1.441
6	-.004	.015	-15.7	-7.7	102.6	-2.336	-1.234
7	-.005	.019	-31.0	-6.5	101.2	-4.289	-.945
8	-.006	.022	-46.4	-5.3	99.9	-7.737	-.969
9	-.008	.025	-61.8	-4.1	98.5	-13.436	-.919
10	-.009	.026	-77.4	-2.9	97.2	-21.029	-.763

EXCENTRICIDADES RESULTANTES CABEZA -.0301136258837 -.796192270418
EXCENTRICIDADES 1 ORDEN CABEZA -.0390946502058 -.770576131687

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	75.3	-15.7	110.7	21.482	-4.274
1	-0.000	.001	61.1	-14.6	109.3	17.348	-3.952
2	-.001	.003	46.7	-13.4	108.0	12.022	-3.384
3	-.001	.006	32.0	-12.3	106.6	6.794	-2.675
4	-.002	.009	17.2	-11.1	105.3	2.657	-1.779
5	-.003	.012	2.1	-9.9	103.9	.313	-1.567
6	-.004	.016	-13.1	-8.7	102.6	-1.803	-1.247

1	-0.000	.001	60.8	-14.5	109.3	17.565	-3.985
2	-.001	.003	46.4	-13.4	108.0	11.637	-3.303
3	-.001	.006	31.7	-12.2	106.6	6.186	-2.494
4	-.002	.009	16.9	-11.0	105.3	2.391	-1.609
5	-.003	.013	1.9	-9.9	103.9	.243	-1.257
6	-.004	.016	-13.2	-8.7	102.6	-1.749	-1.158
7	-.005	.020	-28.5	-7.5	101.2	-5.161	-1.441
8	-.007	.023	-43.9	-6.2	99.9	-10.974	-1.533
9	-.008	.025	-59.4	-5.0	98.5	-17.597	-1.398
10	-.009	.026	-74.9	-3.8	97.2	-24.479	-1.144

EXCENTRICIDADES RESULTANTES CABEZA -.0390960728059 -.770563166732
EXCENTRICIDADES 1 ORDEN CABEZA -.0390946502058 -.770576131687

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	74.9	-15.6	110.7	23.607	-4.600
1	-0.000	.001	60.8	-14.5	109.3	17.565	-3.985
2	-.001	.003	46.4	-13.4	108.0	11.635	-3.303
3	-.001	.006	31.7	-12.2	106.6	6.182	-2.493
4	-.002	.009	16.9	-11.0	105.3	2.391	-1.609
5	-.003	.013	1.9	-9.9	103.9	.243	-1.257
6	-.004	.016	-13.2	-8.7	102.6	-1.749	-1.158
7	-.005	.020	-28.5	-7.5	101.2	-5.167	-1.442
8	-.007	.023	-43.9	-6.2	99.9	-10.984	-1.534
9	-.008	.025	-59.4	-5.0	98.5	-17.601	-1.399
10	-.009	.026	-74.9	-3.8	97.2	-24.478	-1.144

EXCENTRICIDADES RESULTANTES CABEZA -.0390954285782 -.770568277103
EXCENTRICIDADES 1 ORDEN CABEZA -.0390946502058 -.770576131687
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 7 TANTEO 0

Fpx= -5.8 t Fpy= 2.1 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	.8	-66.5	178.0	.123	-12.502
1	-0.000	0.000	-1.4	-61.6	176.6	-.312	-12.998
2	-.002	-0.000	-3.6	-56.5	175.3	-.810	-12.165
3	-.004	-0.000	-5.7	-51.2	173.9	-1.264	-10.750
4	-.007	-0.000	-7.8	-45.8	172.6	-1.652	-9.138
5	-.011	-.001	-9.8	-40.3	171.2	-1.966	-7.523
6	-.015	-.001	-11.7	-34.8	169.9	-2.198	-5.997
7	-.019	-.002	-13.5	-29.1	168.5	-2.344	-4.629
8	-.024	-.002	-15.3	-23.5	167.2	-2.408	-3.476
9	-.029	-.003	-17.0	-17.8	165.8	-2.455	-2.510
10	-.035	-.004	-18.6	-12.0	164.5	-2.542	-1.644

EXCENTRICIDADES RESULTANTES CABEZA -.0731856219666 -.113051222763
EXCENTRICIDADES 1 ORDEN CABEZA -.107598784195 -.117325227964

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	.1	-72.8	178.0	-2.542	-15.321
1	-.001	-0.000	-2.2	-67.8	176.6	-.485	-14.560
2	-.002	-0.000	-4.3	-62.6	175.3	-.953	-13.098
3	-.005	-0.000	-6.4	-57.2	173.9	-1.361	-11.381
4	-.008	-.001	-8.4	-51.7	172.6	-1.697	-9.618
5	-.012	-.001	-10.4	-46.1	171.2	-1.954	-7.932
6	-.016	-.002	-12.3	-40.4	169.9	-2.127	-6.407
7	-.021	-.002	-14.1	-34.7	168.5	-2.216	-5.123
8	-.027	-.003	-15.9	-28.8	167.2	-2.287	-4.066
9	-.032	-.004	-17.5	-23.0	165.8	-2.391	-3.135
10	-.038	-.005	-19.1	-17.1	164.5	-2.529	-2.282

EXCENTRICIDADES RESULTANTES CABEZA -.104070335633 -.116198906415
EXCENTRICIDADES 1 ORDEN CABEZA -.107598784195 -.117325227964

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-.1	-73.0	178.0	-2.529	-16.875
7	-.005	.019	-28.4	-7.5	101.2	-4.710	-1.346
8	-.007	.022	-43.8	-6.2	99.9	-9.468	-1.379
9	-.008	.025	-59.3	-5.0	98.5	-16.052	-1.299
10	-.010	.026	-74.9	-3.8	97.2	-23.475	-1.094

EXCENTRICIDADES RESULTANTES CABEZA -.0387067835232 -.770366533812
EXCENTRICIDADES 1 ORDEN CABEZA -.0390946502058 -.770576131687

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	74.9	-15.6	110.7	22.965	-4.502
1	-0.000	.001	60.8	-14.5	109.3	17.496	-3.978
2	-.001	.003	46.4	-13.4	108.0	11.782	-3.338
3	-.001	.006	31.8	-12.2	106.6	6.441	-2.577
4	-.002	.009	16.9	-11.1	105.3	2.469	-1.672
5	-.003	.013	1.9	-9.9	103.9	.245	-1.259
6	-.004	.016	-13.2	-8.7	102.6	-1.762	-1.172
7	-.005	.020	-28.5	-7.5	101.2	-4.957	-1.399
8	-.007	.023	-43.9	-6.3	99.9	-10.348	-1.474
9	-.008	.025	-59.4	-5.0	98.5	-17.083	-1.371
10	-.009	.026	-74.9	-3.8	97.2	-24.208	-1.137

EXCENTRICIDADES RESULTANTES CABEZA -.0392192219463 -.770543435714
EXCENTRICIDADES 1 ORDEN CABEZA -.0390946502058 -.770576131687

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	74.9	-15.6	110.7	23.427	-4.571
1	-0.000	.001	60.8	-14.5	109.3	17.547	-3.981
2	-.001	.003	46.4	-13.4	108.0	11.692	-3.315
3	-.001	.006	31.8	-12.2	106.6	6.293	-2.527
4	-.002	.009	16.9	-11.0	105.3	2.417	-1.627
5	-.003	.013	1.9	-9.9	103.9	.244	-1.257
6	-.004	.016	-13.2	-8.7	102.6	-1.750	-1.160
7	-.005	.020	-28.5	-7.5	101.2	-5.073	-1.422
8	-.007	.023	-43.9	-6.2	99.9	-10.730	-1.510
9	-.008	.025	-59.4	-5.0	98.5	-17.434	-1.389
10	-.009	.026	-74.9	-3.8	97.2	-24.405	-1.142

EXCENTRICIDADES RESULTANTES CABEZA -.039117077187 -.770525114573
EXCENTRICIDADES 1 ORDEN CABEZA -.0390946502058 -.770576131687

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	74.9	-15.6	110.7	23.561	-4.592
1	-0.000	.001	60.8	-14.5	109.3	17.563	-3.984
2	-.001	.003	46.4	-13.4	108.0	11.655	-3.307
3	-.001	.006	31.7	-12.2	106.6	6.228	-2.507
4	-.002	.009	16.9	-11.0	105.3	2.399	-1.614
5	-.003	.013	1.9	-9.9	103.9	.244	-1.257
6	-.004	.016	-13.2	-8.7	102.6	-1.748	-1.158
7	-.005	.020	-28.5	-7.5	101.2	-5.126	-1.434
8	-.007	.023	-43.9	-6.2	99.9	-10.885	-1.525
9	-.008	.025	-59.4	-5.0	98.5	-17.547	-1.396
10	-.009	.026	-74.9	-3.8	97.2	-24.459	-1.143

EXCENTRICIDADES RESULTANTES CABEZA -.0391007715606 -.770531850415
EXCENTRICIDADES 1 ORDEN CABEZA -.0390946502058 -.770576131687

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	74.9	-15.6	110.7	23.599	-4.599
1	-0.000	.001	60.8	-14.5	109.3	17.566	-3.985
2	-.001	.003	46.4	-13.4	108.0	11.640	-3.304
3	-.001	.006	31.7	-12.2	106.6	6.199	-2.498
4	-.002	.009	16.9	-11.0	105.3	2.393	-1.610
5	-.003	.013	1.9	-9.9	103.9	.243	-1.257
6	-.004	.016	-13.2	-8.7	102.6	-1.748	-1.158
7	-.005	.020	-28.5	-7.5	101.2	-5.150	-1.439
8	-.007	.023	-43.9	-6.2	99.9	-10.949	-1.531
9	-.008	.025	-59.4	-5.0	98.5	-17.585	-1.398
10	-.009	.026	-74.9	-3.8	97.2	-24.474	-1.144

EXCENTRICIDADES RESULTANTES CABEZA -.039097831972 -.770549628081
EXCENTRICIDADES 1 ORDEN CABEZA -.0390946502058 -.770576131687

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	74.9	-15.6	110.7	23.609	-4.601

1	-.001	-0.000	-2.3	-68.0	176.6	-.541	-15.360
2	-.002	-0.000	-4.5	-62.9	175.3	-1.013	-13.594
3	-.005	-0.000	-6.6	-57.5	173.9	-1.423	-11.735
4	-.008	-.001	-8.6	-52.0	172.6	-1.762	-9.895
5	-.013	-.001	-10.6	-46.4	171.2	-2.024	-8.161
6	-.017	-.002	-12.5	-40.7	169.9	-2.210	-6.603
7	-.023	-.002	-14.3	-35.0	168.5	-2.329	-5.281
8	-.028	-.003	-16.0	-29.2	167.2	-2.408	-4.192
9	-.034	-.004	-17.7	-23.3	165.8	-2.496	-3.241
10	-.040	-.006	-19.3	-17.4	164.5	-2.611	-2.366

EXCENTRICIDADES RESULTANTES CABEZA -.105770594325 -.117104584283
EXCENTRICIDADES 1 ORDEN CABEZA -.107598784195 -.117325227964

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-.1	-73.3	178.0	-2.611	-17.633
1	-.001	-0.000	-2.3	-68.3	176.6	-.557	-15.785
2	-.002	-0.000	-4.5	-63.1	175.3	-1.032	-13.883
3	-.005	-0.000	-6.6	-57.8	173.9	-1.444	-11.955
4	-.009	-.001	-8.6	-52.3	172.6	-1.786	-10.073
5	-.013	-.001	-10.6	-46.7	171.2	-2.051	-8.309
6	-.018	-.002	-12.5	-41.0	169.9	-2.241	-6.726
7	-.023	-.002	-14.3	-35.2	168.5	-2.363	-5.378
8	-.029	-.003	-16.0	-29.3	167.2	-2.441	-4.265
9	-.035	-.004	-17.7	-23.4	165.8	-2.525	-3.293
10	-.041	-.006	-19.3	-17.5	164.5	-2.631	-2.402

EXCENTRICIDADES RESULTANTES CABEZA -.106591168224 -.117222395702
EXCENTRICIDADES 1 ORDEN CABEZA -.107598784195 -.117325227964

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-.1	-73.5	178.0	-2.631	-18.001
1	-.001	-0.000	-2.3	-68.5	176.6	-.565	-16.009
2	-.002	-0.000	-4.5	-63.3	175.3	-1.043	-14.047
3	-.005	-0.000	-6.6	-57.9	173.9	-1.457	-12.086
4	-.009	-.001	-8.6	-52.4	172.6	-1.800	-10.183
5	-.013	-.001	-10.6	-46.8	171.2	-2.068	-8.399
6	-.018	-.002	-12.5	-41.1	169.9	-2.259	-6.798
7	-.023	-.003	-14.3	-35.3	168.5	-2.383	-5.430
8	-.029	-.003	-16.1	-29.4	167.2	-2.459	-4.300
9	-.035	-.005	-17.7	-23.5	165.8	-2.537	-3.317
10	-.042	-.006	-19.3	-17.6	164.5	-2.639	-2.417

EXCENTRICIDADES RESULTANTES CABEZA -.10705212658 -.117274970863
EXCENTRICIDADES 1 ORDEN CABEZA -.107598784195 -.117325227964

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-.1	-73.6	178.0	-2.639	-18.177
1	-.001	-0.000	-2.4	-68.6	176.6	-.570	-16.126
2	-.002	-0.000	-4.5	-63.4	175.3	-1.049	-14.138
3	-.005	-0.000	-6.6	-58.0	173.9	-1.464	-12.162
4	-.009	-.001	-8.7	-52.5	172.6	-1.809	-10.248
5	-.013	-.001	-10.6	-46.9	171.2	-2.077	-8.453
6	-.018	-.002	-12.5	-41.1	169.9	-2.270	-6.839
7	-.024	-.003	-14.3	-35.3	168.5	-2.393	-5.458
8	-.029	-.003	-16.1	-29.5	167.2	-2.467	-4.318
9	-.036	-.005	-17.7	-23.6	165.8	-2.543	-3.329
10	-.042	-.006	-19.3	-17.7	164.5	-2.642	-2.426

EXCENTRICIDADES RESULTANTES CABEZA -.107305200966 -.117299062861
EXCENTRICIDADES 1 ORDEN CABEZA -.107598784195 -.117325227964

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-.1	-73.6	178.0	-2.642	-18.261
1	-.001	-0.000	-2.4	-68.6	176.6	-.572	-16.187
2	-.002	-0.000	-4.5	-63.4	175.3	-1.052	-14.188
3	-.005	-0.000	-6.6	-58.1	173.9	-1.468	-12.205
4	-.009	-.001	-8.7	-52.5	172.6	-1.814	-10.285
5	-.013	-.001	-10.6	-46.9	171.2	-2.083	-8.484
6	-.018	-.002	-12.5	-41.2	169.9	-2.276	-6.862
7	-.024	-.003	-14.3	-35.4	168.5	-2.399	-5.474
8	-.030	-.003	-16.1	-29.5	167.2	-2.471	-4.327
9	-.036	-.005	-17.7	-23.6	165.8	-2.546	-3.335
10	-.042	-.006	-19.3	-17.7	164.5	-2.644	-2.430

EXCENTRICIDADES RESULTANTES CABEZA -.107441805464 -.117310896625
EXCENTRICIDADES 1 ORDEN CABEZA -.107598784195 -.117325227964

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-.1	-73.6	178.0	-2.644	-18.301
1	-.001	-0.000	-2.4	-68.6	176.6	-.574	-16.218
2	-.002	-0.000	-4.5	-63.4	175.3	-1.054	-14.216
3	-.005	-0.000	-6.6	-58.1	173.9	-1.471	-12.230
4	-.009	-.001	-8.7	-52.6	172.6	-1.816	-10.307
5	-.013	-.001	-10.6	-46.9	171.2	-2.086	-8.502
6	-.018	-.002	-12.5	-41.2	169.9	-2.279	-6.876
7	-.024	-.003	-14.3	-35.4	168.5	-2.401	-5.481
8	-.030	-.003	-16.1	-29.5	167.2	-2.474	-4.333
9	-.036	-.005	-17.7	-23.6	165.8	-2.547	-3.339
10	-.042	-.006	-19.3	-17.7	164.5	-2.645	-2.432

EXCENTRICIDADES RESULTANTES CABEZA -.107515053251 -.117317427434
EXCENTRICIDADES 1 ORDEN CABEZA -.107598784195 -.117325227964

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-.1	-73.6	178.0	-2.645	-18.321
1	-.001	-0.000	-2.4	-68.6	176.6	-.574	-16.235
2	-.002	-0.000	-4.5	-63.5	175.3	-1.055	-14.231
3	-.005	-0.000	-6.6	-58.1	173.9	-1.472	-12.244
4	-.009	-.001	-8.7	-52.6	172.6	-1.818	-10.319
5	-.013	-.001	-10.6	-46.9	171.2	-2.088	-8.511
6	-.018	-.002	-12.5	-41.2	169.9	-2.280	-6.881
7	-.024	-.003	-14.3	-35.4	168.5	-2.403	-5.486
8	-.030	-.003	-16.1	-29.5	167.2	-2.475	-4.335
9	-.036	-.005	-17.7	-23.6	165.8	-2.548	-3.340
10	-.042	-.006	-19.3	-17.7	164.5	-2.645	-2.433

EXCENTRICIDADES RESULTANTES CABEZA -.1075542957 -.11732099076
EXCENTRICIDADES 1 ORDEN CABEZA -.107598784195 -.117325227964
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 8 TANTEO 0

Fpx= -6.2 t Fpy= 5.7 t -

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	16.9	-72.7	170.6	3.594	-14.594
1	-.001	0.000	12.0	-66.9	169.2	2.866	-15.519
2	-.002	0.000	7.2	-61.0	167.9	1.745	-14.507
3	-.005	.001	2.3	-55.0	166.5	.551	-12.706
4	-.008	.001	-2.6	-48.9	165.2	-.581	-10.677
5	-.013	.002	-7.4	-42.7	163.8	-1.596	-8.661
6	-.018	.002	-12.3	-36.5	162.5	-2.461	-6.788
7	-.023	.002	-17.1	-30.3	161.1	-3.156	-5.150
8	-.029	.002	-21.9	-24.0	159.8	-3.677	-3.825
9	-.035	.002	-26.6	-17.8	158.4	-4.148	-2.770
10	-.041	.001	-31.3	-11.6	157.1	-4.697	-1.817

EXCENTRICIDADES RESULTANTES CABEZA -.0741200325561 -.199229994957
EXCENTRICIDADES 1 ORDEN CABEZA -.114576702737 -.19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	17.1	-79.8	170.6	4.061	-18.442
1	-.001	0.000	12.3	-73.9	169.2	2.973	-17.523
2	-.003	0.000	7.4	-67.9	167.9	1.758	-15.641
3	-.006	.001	2.5	-61.8	166.5	.576	-13.448
4	-.009	.001	-2.3	-55.5	165.2	-.503	-11.223
5	-.014	.002	-7.2	-49.2	163.8	-1.445	-9.122
6	-.020	.002	-12.1	-42.8	162.5	-2.225	-7.267
7	-.026	.003	-16.9	-36.4	161.1	-2.835	-5.783
8	-.032	.003	-21.7	-30.0	159.8	-3.376	-4.653

9	-.038	.002	-26.5	-23.6	158.4	-3.962	-3.679
10	-.045	.002	-31.2	-17.3	157.1	-4.637	-2.789

EXCENTRICIDADES RESULTANTES CABEZA -.110084911182 -.198492550119
EXCENTRICIDADES 1 ORDEN CABEZA -.114576702737 -.19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	17.2	-80.0	170.6	4.393	-20.362
1	-.001	0.000	12.3	-74.2	169.2	3.108	-18.493
2	-.003	.001	7.5	-68.2	167.9	1.818	-16.224
3	-.006	.001	2.6	-62.1	166.5	.603	-13.863
4	-.010	.002	-2.3	-55.9	165.2	-.498	-11.550
5	-.015	.002	-7.2	-49.6	163.8	-1.459	-9.396
6	-.021	.003	-12.0	-43.2	162.5	-2.268	-7.505
7	-.027	.003	-16.9	-36.8	161.1	-2.942	-5.970
8	-.033	.003	-21.7	-30.4	159.8	-3.529	-4.784
9	-.040	.003	-26.4	-24.0	158.4	-4.122	-3.780
10	-.048	.002	-31.1	-17.7	157.1	-4.785	-2.862

EXCENTRICIDADES RESULTANTES CABEZA -.112376591963 -.198143842524
EXCENTRICIDADES 1 ORDEN CABEZA -.114576702737 -.19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	17.2	-80.4	170.6	4.536	-21.256
1	-.001	0.000	12.4	-74.5	169.2	3.167	-18.979
2	-.003	.001	7.5	-68.6	167.9	1.846	-16.554
3	-.006	.001	2.6	-62.4	166.5	.615	-14.118
4	-.010	.002	-2.3	-56.2	165.2	-.498	-11.761
5	-.015	.002	-7.1	-49.8	163.8	-1.470	-9.574
6	-.021	.003	-12.0	-43.5	162.5	-2.292	-7.654
7	-.028	.003	-16.8	-37.1	161.1	-2.977	-6.089
8	-.034	.003	-21.6	-30.6	159.8	-3.569	-4.879
9	-.041	.003	-26.4	-24.2	158.4	-4.167	-3.859
10	-.049	.002	-31.1	-17.8	157.1	-4.833	-2.924

EXCENTRICIDADES RESULTANTES CABEZA -.1133988969 -.198045053279
EXCENTRICIDADES 1 ORDEN CABEZA -.114576702737 -.19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	17.2	-80.5	170.6	4.599	-21.654
1	-.001	0.000	12.4	-74.7	169.2	3.196	-19.223
2	-.003	.001	7.5	-68.7	167.9	1.860	-16.735
3	-.006	.001	2.6	-62.6	166.5	.621	-14.268
4	-.011	.002	-2.2	-56.3	165.2	-.499	-11.890
5	-.016	.002	-7.1	-50.0	163.8	-1.478	-9.684
6	-.022	.003	-12.0	-43.6	162.5	-2.307	-7.745
7	-.028	.003	-16.8	-37.2	161.1	-2.998	-6.155
8	-.035	.003	-21.6	-30.7	159.8	-3.594	-4.926
9	-.042	.003	-26.4	-24.3	158.4	-4.191	-3.895
10	-.049	.002	-31.1	-17.9	157.1	-4.856	-2.951

EXCENTRICIDADES RESULTANTES CABEZA -.113961008155 -.19799776294
EXCENTRICIDADES 1 ORDEN CABEZA -.114576702737 -.19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	17.2	-80.6	170.6	4.626	-21.833
1	-.001	0.000	12.4	-74.8	169.2	3.210	-19.345
2	-.003	.001	7.5	-68.8	167.9	1.868	-16.833
3	-.006	.001	2.6	-62.7	166.5	.624	-14.353
4	-.011	.002	-2.2	-56.4	165.2	-.500	-11.966
5	-.016	.002	-7.1	-50.1	163.8	-1.484	-9.750
6	-.022	.003	-12.0	-43.7	162.5	-2.317	-7.797
7	-.028	.003	-16.8	-37.3	161.1	-3.010	-6.192
8	-.035	.003	-21.6	-30.8	159.8	-3.607	-4.951
9	-.042	.003	-26.4	-24.4	158.4	-4.203	-3.914
10	-.050	.002	-31.1	-18.0	157.1	-4.866	-2.965

EXCENTRICIDADES RESULTANTES CABEZA -.114255702282 -.197977494536
EXCENTRICIDADES 1 ORDEN CABEZA -.114576702737 -.19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	17.2	-80.7	170.6	4.639	-21.914
1	-.001	0.000	12.4	-74.9	169.2	3.216	-19.405
2	-.003	.001	7.5	-68.9	167.9	1.872	-16.885
3	-.006	.001	2.6	-62.7	166.5	.626	-14.401
4	-.011	.002	-2.2	-56.5	165.2	-.500	-12.009
5	-.016	.002	-7.1	-50.1	163.8	-1.487	-9.788
6	-.022	.003	-12.0	-43.7	162.5	-2.322	-7.827
7	-.028	.003	-16.8	-37.3	161.1	-3.017	-6.213
8	-.035	.003	-21.6	-30.8	159.8	-3.613	-4.964
9	-.042	.003	-26.4	-24.4	158.4	-4.208	-3.923
10	-.050	.002	-31.1	-18.0	157.1	-4.870	-2.971

EXCENTRICIDADES RESULTANTES CABEZA -.114409620333 -.19796889
EXCENTRICIDADES 1 ORDEN CABEZA -.114576702737 -.19796308

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	17.2	-80.7	170.6	4.644	-21.951
1	-.001	0.000	12.4	-74.9	169.2	3.220	-19.435
2	-.003	.001	7.5	-68.9	167.9	1.874	-16.913
3	-.006	.001	2.6	-62.7	166.5	.627	-14.427
4	-.011	.002	-2.2	-56.5	165.2	-.501	-12.034
5	-.016	.002	-7.1	-50.1	163.8	-1.489	-9.809
6	-.022	.003	-12.0	-43.7	162.5	-2.325	-7.844
7	-.028	.003	-16.8	-37.3	161.1	-3.021	-6.224
8	-.035	.003	-21.6	-30.9	159.8	-3.616	-4.970
9	-.042	.003	-26.4	-24.4	158.4	-4.211	-3.928
10	-.050	.002	-31.1	-18.0	157.1	-4.874	-2.975

EXCENTRICIDADES RESULTANTES CABEZA -.114489838695 -.19796554
EXCENTRICIDADES 1 ORDEN CABEZA -.114576702737 -.19796308

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	17.2	-80.7	170.6	4.646	-21.969
1	-.001	0.000	12.4	-74.9	169.2	3.221	-19.451
2	-.003	.001	7.5	-68.9	167.9	1.875	-16.927
3	-.006	.001	2.6	-62.8	166.5	.627	-14.441
4	-.011	.002	-2.2	-56.5	165.2	-.501	-12.047
5	-.016	.002	-7.1	-50.2	163.8	-1.490	-9.821
6	-.022	.003	-12.0	-43.7	162.5	-2.327	-7.853
7	-.028	.003	-16.8	-37.3	161.1	-3.022	-6.228
8	-.035	.003	-21.6	-30.9	159.8	-3.618	-4.974
9	-.042	.003	-26.4	-24.4	158.4	-4.212	-3.930
10	-.050	.002	-31.1	-18.0	157.1	-4.875	-2.977

EXCENTRICIDADES RESULTANTES CABEZA -.114531512317 -.19796408
EXCENTRICIDADES 1 ORDEN CABEZA -.114576702737 -.19796308
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 9 TANTEO 0

Fpx= -5.8 t Fpy= 5.9 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.2	-49.2	159.2	2.311	-8.540
1	-0.000	0.000	7.3	-44.7	157.8	1.465	-8.425
2	-.001	0.000	2.3	-40.1	156.5	.455	-7.481
3	-.003	0.000	-2.7	-35.4	155.1	-.526	-6.243
4	-.005	.001	-7.7	-30.5	153.8	-1.393	-4.990
5	-.007	.001	-12.7	-25.5	152.4	-2.113	-3.871
6	-.009	.001	-17.6	-20.5	151.1	-2.690	-2.972
7	-.012	0.000	-22.6	-15.4	149.7	-3.267	-2.213
8	-.015	-0.000	-27.5	-10.2	148.4	-3.898	-1.493
9	-.018	-.001	-32.3	-5.0	147.0	-4.602	-.765
10	-.021	-.002	-37.1	.3	145.7	-5.491	-.765

EXCENTRICIDADES RESULTANTES CABEZA .00192832700724 -.25469301
EXCENTRICIDADES 1 ORDEN CABEZA -.0185312285518 -.25669183

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	11.9	-52.6	159.2	2.400	-9.866
1	-0.000	0.000	6.9	-48.1	157.8	1.391	-8.929
2	-.001	0.000	2.0	-43.4	156.5	.375	-7.631

3	-.003	0.000	-3.0	-38.6	155.1	-.547	-6.294
4	-.005	.001	-8.0	-33.7	153.8	-1.331	-5.088
5	-.007	.001	-13.0	-28.7	152.4	-1.975	-4.146
6	-.010	.001	-17.9	-23.6	151.1	-2.592	-3.380
7	-.013	0.000	-22.9	-18.4	149.7	-3.240	-2.678
8	-.016	-0.000	-27.8	-13.2	148.4	-3.944	-2.006
9	-.019	-.001	-32.6	-7.8	147.0	-4.809	-1.278
10	-.022	-.002	-37.4	-2.5	145.7	-5.931	-.438

EXCENTRICIDADES RESULTANTES CABEZA -.017168632131 -.256707628507
EXCENTRICIDADES 1 ORDEN CABEZA -.0185312285518 -.256691832533

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	11.9	-52.5	159.2	2.530	-10.500
1	-0.000	0.000	7.0	-48.0	157.8	1.425	-9.156
2	-.001	0.000	2.0	-43.4	156.5	.382	-7.701
3	-.003	0.000	-3.0	-38.6	155.1	-.545	-6.320
4	-.005	.001	-8.0	-33.7	153.8	-1.339	-5.126
5	-.007	.001	-13.0	-28.7	152.4	-2.019	-4.192
6	-.010	.001	-17.9	-23.6	151.1	-2.659	-3.431
7	-.013	0.000	-22.9	-18.5	149.7	-3.321	-2.727
8	-.016	-0.000	-27.8	-13.3	148.4	-4.039	-2.045
9	-.019	-.001	-32.6	-8.0	147.0	-4.928	-1.324
10	-.023	-.002	-37.4	-2.6	145.7	-6.115	-.474

EXCENTRICIDADES RESULTANTES CABEZA -.0180447869103 -.256686962019
EXCENTRICIDADES 1 ORDEN CABEZA -.0185312285518 -.256691832533

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	11.9	-52.6	159.2	2.585	-10.808
1	-0.000	0.000	7.0	-48.1	157.8	1.437	-9.273
2	-.001	0.000	2.0	-43.4	156.5	.383	-7.744
3	-.003	.001	-3.0	-38.7	155.1	-.546	-6.341
4	-.005	.001	-8.0	-33.8	153.8	-1.343	-5.149
5	-.007	.001	-13.0	-28.8	152.4	-2.029	-4.218
6	-.010	.001	-17.9	-23.7	151.1	-2.675	-3.459
7	-.013	0.000	-22.9	-18.5	149.7	-3.343	-2.755
8	-.016	-0.000	-27.8	-13.3	148.4	-4.068	-2.070
9	-.020	-.001	-32.6	-8.0	147.0	-4.976	-1.344
10	-.023	-.002	-37.4	-2.7	145.7	-6.198	-.485

EXCENTRICIDADES RESULTANTES CABEZA -.0182754669552 -.256697092725
EXCENTRICIDADES 1 ORDEN CABEZA -.0185312285518 -.256691832533

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	11.9	-52.6	159.2	2.611	-10.956
1	-0.000	0.000	7.0	-48.1	157.8	1.444	-9.333
2	-.001	0.000	2.0	-43.5	156.5	.384	-7.769
3	-.003	.001	-3.0	-38.7	155.1	-.547	-6.355
4	-.005	.001	-8.0	-33.8	153.8	-1.346	-5.162
5	-.007	.001	-13.0	-28.8	152.4	-2.034	-4.230
6	-.010	.001	-17.9	-23.7	151.1	-2.682	-3.471
7	-.013	0.000	-22.9	-18.6	149.7	-3.352	-2.766
8	-.016	-0.000	-27.8	-13.3	148.4	-4.079	-2.080
9	-.020	-.001	-32.6	-8.0	147.0	-4.996	-1.353
10	-.023	-.002	-37.4	-2.7	145.7	-6.235	-.491

EXCENTRICIDADES RESULTANTES CABEZA -.018401400024 -.256695846229
EXCENTRICIDADES 1 ORDEN CABEZA -.0185312285518 -.256691832533

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	11.9	-52.7	159.2	2.623	-11.027
1	-0.000	0.000	7.0	-48.1	157.8	1.447	-9.364
2	-.001	0.000	2.0	-43.5	156.5	.385	-7.784
3	-.003	.001	-3.0	-38.7	155.1	-.547	-6.362
4	-.005	.001	-8.0	-33.8	153.8	-1.347	-5.169
5	-.008	.001	-13.0	-28.8	152.4	-2.036	-4.235
6	-.010	.001	-17.9	-23.7	151.1	-2.685	-3.475
7	-.013	0.000	-22.9	-18.6	149.7	-3.355	-2.770
8	-.016	-0.000	-27.8	-13.3	148.4	-4.082	-2.084
9	-.020	-.001	-32.6	-8.0	147.0	-5.005	-1.357
10	-.023	-.002	-37.4	-2.7	145.7	-6.251	-.494

EXCENTRICIDADES RESULTANTES CABEZA -.018467636177 -.256695031871
EXCENTRICIDADES 1 ORDEN CABEZA -.0185312285518 -.256691832533

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	11.9	-52.7	159.2	2.629	-11.060
1	-0.000	0.000	7.0	-48.2	157.8	1.449	-9.379
2	-.001	0.000	2.0	-43.5	156.5	.385	-7.789
3	-.003	.001	-3.0	-38.7	155.1	-.548	-6.368
4	-.005	.001	-8.0	-33.8	153.8	-1.348	-5.173
5	-.008	.001	-13.0	-28.8	152.4	-2.037	-4.238
6	-.010	.001	-17.9	-23.7	151.1	-2.686	-3.477
7	-.013	0.000	-22.9	-18.6	149.7	-3.356	-2.772
8	-.016	0.000	-27.8	-13.3	148.4	-4.084	-2.086
9	-.020	-.001	-32.6	-8.0	147.0	-5.007	-1.358
10	-.023	-.002	-37.4	-2.7	145.7	-6.259	-.495

EXCENTRICIDADES RESULTANTES CABEZA -.018499340068 -.256693477309
EXCENTRICIDADES 1 ORDEN CABEZA -.0185312285518 -.256691832533

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	11.9	-52.7	159.2	2.632	-11.075
1	-0.000	0.000	7.0	-48.2	157.8	1.450	-9.387
2	-.001	0.000	2.0	-43.5	156.5	.385	-7.795
3	-.003	.001	-3.0	-38.7	155.1	-.548	-6.371
4	-.005	.001	-8.0	-33.8	153.8	-1.348	-5.175
5	-.008	.001	-13.0	-28.8	152.4	-2.037	-4.239
6	-.010	.001	-17.9	-23.7	151.1	-2.686	-3.478
7	-.013	0.000	-22.9	-18.6	149.7	-3.356	-2.772
8	-.016	0.000	-27.8	-13.4	148.4	-4.085	-2.087
9	-.020	-.001	-32.6	-8.1	147.0	-5.008	-1.359
10	-.023	-.002	-37.4	-2.7	145.7	-6.260	-.496

EXCENTRICIDADES RESULTANTES CABEZA -.0185141163911 -.256692694009
EXCENTRICIDADES 1 ORDEN CABEZA -.0185312285518 -.256691832533

CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 10 TANTEO 0

Fpx= -6.15 t Fpy= 9.4 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	29.9	-57.2	151.7	6.143	-11.195
1	-0.000	0.000	21.9	-51.5	150.3	5.028	-11.561
2	-.002	.001	14.0	-45.8	149.0	3.210	-10.285
3	-.004	.002	5.9	-40.0	147.6	1.305	-8.444
4	-.006	.002	-2.1	-34.1	146.3	-.431	-6.547
5	-.009	.003	-10.1	-28.3	144.9	-1.896	-4.839
6	-.012	.004	-18.1	-22.4	143.6	-3.057	-3.478
7	-.016	.005	-26.1	-16.6	142.2	-4.031	-2.531
8	-.020	.005	-34.0	-10.8	140.9	-5.181	-1.727
9	-.024	.005	-41.9	-5.1	139.5	-6.701	-.883
10	-.028	.004	-49.7	.7	138.2	-8.790	-.883

EXCENTRICIDADES RESULTANTES CABEZA .00482788659553 -.359863858633
EXCENTRICIDADES 1 ORDEN CABEZA -.0224312590449 -.356005788712

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	30.5	-61.4	151.7	6.972	-13.742
1	-0.000	0.000	22.6	-55.7	150.3	5.176	-12.476
2	-.002	.001	14.6	-49.9	149.0	3.194	-10.506
3	-.004	.002	6.5	-44.0	147.6	1.332	-8.416
4	-.007	.003	-1.5	-38.1	146.3	-.286	-6.501
5	-.010	.004	-9.6	-32.2	144.9	-1.608	-4.979
6	-.013	.004	-17.6	-26.3	143.6	-2.709	-3.996
7	-.017	.005	-25.6	-20.4	142.2	-3.885	-3.244
8	-.021	.005	-33.6	-14.5	140.9	-5.345	-2.520
9	-.025	.005	-41.5	-8.6	139.5	-7.297	-1.650
10	-.030	.005	-49.3	-2.8	138.2	-9.837	-.593

EXCENTRICIDADES RESULTANTES CABEZA -.0203425478071 -.356624811217
EXCENTRICIDADES 1 ORDEN CABEZA -.0224312590449 -.356005788712

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	30.6	-61.4	151.7	7.452	-14.895
1	-.001	0.000	22.6	-55.7	150.3	5.312	-12.859
2	-.002	.001	14.6	-49.9	149.0	3.227	-10.604
3	-.004	.002	6.6	-44.1	147.6	1.341	-8.415
4	-.007	.003	-1.5	-38.2	146.3	-.276	-6.491
5	-.010	.004	-9.5	-32.3	144.9	-1.614	-5.006
6	-.014	.005	-17.5	-26.4	143.6	-2.786	-4.028
7	-.018	.005	-25.5	-20.5	142.2	-4.007	-3.284
8	-.022	.005	-33.5	-14.7	140.9	-5.510	-2.595
9	-.026	.005	-41.4	-8.8	139.5	-7.614	-1.741
10	-.030	.005	-49.2	-3.0	138.2	-10.320	-.656

EXCENTRICIDADES RESULTANTES CABEZA -.0216848335118 -.356194280198
EXCENTRICIDADES 1 ORDEN CABEZA -.0224312590449 -.356005788712

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	30.6	-61.5	151.7	7.649	-15.401
1	-.001	0.000	22.6	-55.8	150.3	5.370	-13.046
2	-.002	.001	14.6	-50.0	149.0	3.242	-10.667
3	-.004	.002	6.6	-44.2	147.6	1.345	-8.431
4	-.007	.003	-1.5	-38.3	146.3	-.272	-6.502
5	-.010	.004	-9.5	-32.4	144.9	-1.615	-5.029
6	-.014	.005	-17.5	-26.5	143.6	-2.795	-4.061
7	-.018	.005	-25.5	-20.6	142.2	-4.035	-3.328
8	-.022	.006	-33.5	-14.7	140.9	-5.579	-2.637
9	-.026	.006	-41.4	-8.9	139.5	-7.762	-1.779
10	-.031	.005	-49.2	-3.0	138.2	-10.542	-.678

EXCENTRICIDADES RESULTANTES CABEZA -.0220502478904 -.356094976377
EXCENTRICIDADES 1 ORDEN CABEZA -.0224312590449 -.356005788712

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	30.6	-61.6	151.7	7.732	-15.618
1	-.001	0.000	22.6	-55.9	150.3	5.398	-13.136
2	-.002	.001	14.6	-50.1	149.0	3.250	-10.704
3	-.004	.002	6.6	-44.2	147.6	1.348	-8.447
4	-.007	.003	-1.5	-38.3	146.3	-.271	-6.512
5	-.010	.004	-9.5	-32.4	144.9	-1.616	-5.044
6	-.014	.005	-17.5	-26.5	143.6	-2.802	-4.076
7	-.018	.005	-25.5	-20.6	142.2	-4.049	-3.345
8	-.022	.006	-33.5	-14.7	140.9	-5.608	-2.656
9	-.027	.006	-41.4	-8.9	139.5	-7.830	-1.798
10	-.031	.005	-49.2	-3.1	138.2	-10.640	-.689

EXCENTRICIDADES RESULTANTES CABEZA -.0222466784554 -.356045678692
EXCENTRICIDADES 1 ORDEN CABEZA -.0224312590449 -.356005788712

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	30.6	-61.6	151.7	7.767	-15.710
1	-.001	0.000	22.6	-55.9	150.3	5.411	-13.179
2	-.002	.001	14.6	-50.1	149.0	3.255	-10.726
3	-.004	.002	6.6	-44.2	147.6	1.350	-8.458
4	-.007	.003	-1.4	-38.4	146.3	-.270	-6.518
5	-.010	.004	-9.5	-32.4	144.9	-1.617	-5.051
6	-.014	.005	-17.5	-26.5	143.6	-2.805	-4.082
7	-.018	.005	-25.5	-20.6	142.2	-4.054	-3.353
8	-.022	.006	-33.5	-14.8	140.9	-5.621	-2.665
9	-.027	.006	-41.4	-8.9	139.5	-7.860	-1.806
10	-.031	.005	-49.2	-3.1	138.2	-10.683	-.694

EXCENTRICIDADES RESULTANTES CABEZA -.0223433757058 -.356024284179
EXCENTRICIDADES 1 ORDEN CABEZA -.0224312590449 -.356005788712

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	30.6	-61.6	151.7	7.782	-15.748
1	-.001	0.000	22.6	-55.9	150.3	5.417	-13.199
2	-.002	.001	14.6	-50.1	149.0	3.258	-10.737
3	-.004	.002	6.6	-44.3	147.6	1.350	-8.463
4	-.007	.003	-1.4	-38.4	146.3	-.270	-6.524
5	-.010	.004	-9.5	-32.5	144.9	-1.618	-5.056
6	-.014	.005	-17.5	-26.6	143.6	-2.807	-4.087
7	-.018	.005	-25.5	-20.7	142.2	-4.056	-3.356
8	-.022	.006	-33.5	-14.8	140.9	-5.627	-2.668
9	-.027	.006	-41.4	-8.9	139.5	-7.874	-1.810
10	-.031	.005	-49.2	-3.1	138.2	-10.702	-.696

EXCENTRICIDADES RESULTANTES CABEZA -.022388651068 -.356013714797
EXCENTRICIDADES 1 ORDEN CABEZA -.0224312590449 -.356005788712

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	30.6	-61.6	151.7	7.788	-15.765
1	-.001	0.000	22.6	-55.9	150.3	5.420	-13.209
2	-.002	.001	14.6	-50.1	149.0	3.259	-10.740
3	-.004	.002	6.6	-44.3	147.6	1.351	-8.469
4	-.007	.003	-1.4	-38.4	146.3	-.270	-6.527
5	-.010	.004	-9.5	-32.5	144.9	-1.619	-5.059
6	-.014	.005	-17.5	-26.6	143.6	-2.807	-4.088
7	-.018	.005	-25.5	-20.7	142.2	-4.057	-3.357
8	-.022	.006	-33.5	-14.8	140.9	-5.628	-2.670
9	-.027	.006	-41.4	-8.9	139.5	-7.880	-1.812
10	-.031	.005	-49.2	-3.1	138.2	-10.710	-.697

EXCENTRICIDADES RESULTANTES CABEZA -.0224120783331 -.356009434899
EXCENTRICIDADES 1 ORDEN CABEZA -.0224312590449 -.356005788712
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 11 TANTEO 0

Fpx= 2.9 t Fpy= 9.4 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	29.9	31.7	152.5	5.063	5.333
1	0.000	0.000	22.0	28.8	151.1	3.944	5.142
2	.001	.001	14.0	25.9	149.8	2.434	4.363
3	.002	.001	6.0	23.0	148.4	.962	3.490
4	.003	.002	-2.0	20.1	147.1	-.295	2.740
5	.004	.003	-10.0	17.2	145.7	-1.324	2.234
6	.005	.003	-18.0	14.4	144.4	-2.377	1.882
7	.007	.004	-26.0	11.5	143.0	-3.505	1.572
8	.009	.004	-33.9	8.8	141.7	-4.773	1.306
9	.011	.004	-41.8	6.0	140.3	-6.405	1.013
10	.012	.003	-49.6	3.3	139.0	-8.579	.622

EXCENTRICIDADES RESULTANTES CABEZA .0237480756329 -.356777771189
EXCENTRICIDADES 1 ORDEN CABEZA .0359712230216 -.353956834532

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	30.3	33.6	152.5	5.435	5.984
1	0.000	0.000	22.4	30.7	151.1	3.888	5.157
2	.001	.001	14.4	27.8	149.8	2.314	4.205
3	.002	.001	6.4	24.8	148.4	.932	3.382
4	.003	.002	-1.6	21.9	147.1	-.210	2.845
5	.004	.003	-9.6	19.0	145.7	-1.266	2.491
6	.006	.003	-17.6	16.2	144.4	-2.371	2.194
7	.007	.004	-25.6	13.3	143.0	-3.592	1.975
8	.009	.004	-33.5	10.5	141.7	-5.119	1.757
9	.011	.004	-41.4	7.7	140.3	-7.131	1.443
10	.013	.003	-49.2	4.9	139.0	-9.681	1.030

EXCENTRICIDADES RESULTANTES CABEZA .0354706239944 -.353909947547
EXCENTRICIDADES 1 ORDEN CABEZA .0359712230216 -.353956834532

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	30.3	33.6	152.5	5.657	6.188
1	0.000	0.000	22.4	30.6	151.1	3.883	5.138
2	.001	.001	14.4	27.7	149.8	2.273	4.140
3	.002	.001	6.4	24.8	148.4	.915	3.354
4	.003	.002	-1.6	21.9	147.1	-.217	2.847

5	.004	.003	-9.6	19.0	145.7	-1.286	2.507
6	.006	.003	-17.6	16.2	144.4	-2.415	2.223
7	.007	.004	-25.6	13.3	143.0	-3.681	2.012
8	.009	.004	-33.5	10.5	141.7	-5.307	1.818
9	.011	.004	-41.4	7.7	140.3	-7.503	1.513
10	.013	.003	-49.2	5.0	139.0	-10.231	1.087

EXCENTRICIDADES RESULTANTES CABEZA .0359267644539 -.353905975913
EXCENTRICIDADES 1 ORDEN CABEZA .0359712230216 -.353956834532

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	30.3	33.6	152.5	5.737	6.283
1	0.000	0.000	22.4	30.6	151.1	3.875	5.131
2	.001	.001	14.4	27.7	149.8	2.258	4.118
3	.002	.001	6.4	24.8	148.4	.911	3.347
4	.003	.002	-1.6	21.9	147.1	-.218	2.847
5	.004	.003	-9.6	19.0	145.7	-1.289	2.510
6	.006	.003	-17.6	16.2	144.4	-2.424	2.232
7	.007	.004	-25.6	13.3	143.0	-3.708	2.031
8	.009	.004	-33.5	10.5	141.7	-5.389	1.844
9	.011	.004	-41.4	7.7	140.3	-7.679	1.542
10	.013	.003	-49.2	5.0	139.0	-10.485	1.108

EXCENTRICIDADES RESULTANTES CABEZA .0359433711624 -.353935800428
EXCENTRICIDADES 1 ORDEN CABEZA .0359712230216 -.353956834532

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	30.3	33.6	152.5	5.772	6.322
1	0.000	0.000	22.4	30.7	151.1	3.873	5.130
2	.001	.001	14.4	27.7	149.8	2.253	4.111
3	.002	.001	6.4	24.8	148.4	.910	3.346
4	.003	.002	-1.6	21.9	147.1	-.218	2.848
5	.004	.003	-9.6	19.0	145.7	-1.290	2.511
6	.006	.003	-17.6	16.2	144.4	-2.427	2.234
7	.007	.004	-25.6	13.3	143.0	-3.717	2.038
8	.009	.004	-33.5	10.5	141.7	-5.423	1.856
9	.011	.004	-41.4	7.7	140.3	-7.761	1.555
10	.013	.003	-49.2	5.0	139.0	-10.601	1.117

EXCENTRICIDADES RESULTANTES CABEZA .0359579395631 -.353950460574
EXCENTRICIDADES 1 ORDEN CABEZA .0359712230216 -.353956834532

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	30.3	33.6	152.5	5.786	6.338
1	0.000	0.000	22.4	30.7	151.1	3.873	5.129
2	.001	.001	14.4	27.7	149.8	2.251	4.110
3	.002	.001	6.4	24.8	148.4	.910	3.346
4	.003	.002	-1.6	21.9	147.1	-.218	2.848
5	.004	.003	-9.6	19.0	145.7	-1.291	2.511
6	.006	.003	-17.6	16.2	144.4	-2.428	2.235
7	.007	.004	-25.6	13.3	143.0	-3.720	2.040
8	.009	.004	-33.5	10.5	141.7	-5.438	1.861
9	.011	.004	-41.4	7.7	140.3	-7.799	1.562
10	.013	.003	-49.2	5.0	139.0	-10.652	1.121

EXCENTRICIDADES RESULTANTES CABEZA .0359647915874 -.353954957817
EXCENTRICIDADES 1 ORDEN CABEZA .0359712230216 -.353956834532

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	30.3	33.6	152.5	5.792	6.345
1	0.000	0.000	22.4	30.7	151.1	3.873	5.129
2	.001	.001	14.4	27.7	149.8	2.250	4.108
3	.002	.001	6.4	24.8	148.4	.909	3.346
4	.003	.002	-1.6	21.9	147.1	-.218	2.848
5	.004	.003	-9.6	19.0	145.7	-1.291	2.511
6	.006	.003	-17.6	16.2	144.4	-2.428	2.235
7	.007	.004	-25.6	13.3	143.0	-3.721	2.040
8	.009	.004	-33.5	10.5	141.7	-5.444	1.863
9	.011	.004	-41.4	7.7	140.3	-7.816	1.564
10	.013	.003	-49.2	5.0	139.0	-10.675	1.123

EXCENTRICIDADES RESULTANTES CABEZA .0359687498031 -.353955906185
EXCENTRICIDADES 1 ORDEN CABEZA .0359712230216 -.353956834532

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	30.3	33.6	152.5	5.793	6.346
1	0.000	0.000	22.4	30.7	151.1	3.873	5.129
2	.001	.001	14.4	27.7	149.8	2.250	4.108
3	.002	.001	6.4	24.8	148.4	.909	3.346
4	.003	.002	-1.6	21.9	147.1	-.218	2.848
5	.004	.003	-9.6	19.0	145.7	-1.291	2.511
6	.006	.003	-17.6	16.2	144.4	-2.428	2.236
7	.007	.004	-25.6	13.3	143.0	-3.721	2.040
8	.009	.004	-33.5	10.5	141.7	-5.446	1.863
9	.011	.004	-41.4	7.7	140.3	-7.824	1.566
10	.013	.003	-49.2	5.0	139.0	-10.685	1.124

EXCENTRICIDADES RESULTANTES CABEZA .0359705616265 -.353956235686
EXCENTRICIDADES 1 ORDEN CABEZA .0359712230216 -.353956834532
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 12 TANTEO 0

Fpx= -5.8 t Fpy= 5.3 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.8	-56.7	144.4	2.619	-10.902
1	-0.000	0.000	7.9	-51.8	143.0	1.776	-11.305
2	-.002	0.000	3.0	-46.8	141.7	.684	-10.353
3	-.003	.001	-1.8	-41.6	140.3	-.408	-8.869
4	-.006	.001	-6.6	-36.4	139.0	-1.400	-7.266
5	-.009	.001	-11.4	-31.1	137.6	-2.249	-5.729
6	-.013	.001	-16.0	-25.8	136.3	-2.936	-4.371
7	-.016	.001	-20.6	-20.4	134.9	-3.461	-3.272
8	-.020	0.000	-25.1	-15.0	133.6	-3.957	-2.379
9	-.025	-.001	-29.5	-9.6	132.2	-4.532	-1.554
10	-.029	-.002	-33.9	-4.2	130.9	-5.260	-.709

EXCENTRICIDADES RESULTANTES CABEZA -.0319562451891 -.258822293377
EXCENTRICIDADES 1 ORDEN CABEZA -.0603514132926 -.260504201681

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.5	-61.0	144.4	2.823	-13.253
1	-0.000	0.000	7.6	-56.0	143.0	1.739	-12.348
2	-.002	0.000	2.8	-50.9	141.7	.611	-10.799
3	-.004	.001	-2.1	-45.7	140.3	-.437	-9.080
4	-.007	.001	-6.9	-40.4	139.0	-1.355	-7.405
5	-.010	.001	-11.6	-35.0	137.6	-2.117	-5.913
6	-.014	.001	-16.2	-29.6	136.3	-2.720	-4.727
7	-.018	.001	-20.8	-24.1	134.9	-3.272	-3.810
8	-.022	0.000	-25.3	-18.6	133.6	-3.877	-3.002
9	-.026	-0.000	-29.8	-13.1	132.2	-4.606	-2.212
10	-.031	-.001	-34.1	-7.6	130.9	-5.540	-1.356

EXCENTRICIDADES RESULTANTES CABEZA -.0580261040358 -.260670569897
EXCENTRICIDADES 1 ORDEN CABEZA -.0603514132926 -.260504201681

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.6	-60.9	144.4	3.014	-14.383
1	-.001	0.000	7.7	-56.0	143.0	1.798	-12.817
2	-.002	0.000	2.8	-50.9	141.7	.628	-11.011
3	-.004	.001	-2.0	-45.7	140.3	-.433	-9.189
4	-.007	.001	-6.8	-40.4	139.0	-1.358	-7.479
5	-.010	.001	-11.6	-35.1	137.6	-2.135	-5.986
6	-.014	.001	-16.2	-29.7	136.3	-2.786	-4.793
7	-.018	.001	-20.8	-24.2	134.9	-3.376	-3.863
8	-.023	0.000	-25.3	-18.8	133.6	-3.994	-3.048
9	-.027	-0.000	-29.8	-13.3	132.2	-4.725	-2.269
10	-.032	-.001	-34.1	-7.8	130.9	-5.705	-1.418

EXCENTRICIDADES RESULTANTES CABEZA -.0593812987336 -.26054786423
EXCENTRICIDADES 1 ORDEN CABEZA -.0603514132926 -.260504201681

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.6	-61.1	144.4	3.092	-14.901
1	-.001	0.000	7.7	-56.1	143.0	1.820	-13.052
2	-.002	0.000	2.8	-51.0	141.7	.633	-11.131
3	-.004	.001	-2.0	-45.8	140.3	-.434	-9.260
4	-.007	.001	-6.8	-40.5	139.0	-1.362	-7.531
5	-.011	.001	-11.6	-35.2	137.6	-2.144	-6.034
6	-.014	.001	-16.2	-29.8	136.3	-2.802	-4.839
7	-.019	.001	-20.8	-24.3	134.9	-3.399	-3.910
8	-.023	0.000	-25.3	-18.9	133.6	-4.027	-3.093
9	-.028	-0.000	-29.8	-13.4	132.2	-4.773	-2.304
10	-.033	-.001	-34.1	-7.8	130.9	-5.781	-1.445

EXCENTRICIDADES RESULTANTES CABEZA -.0598457727779 -.260525749273
EXCENTRICIDADES 1 ORDEN CABEZA -.0603514132926 -.260504201681

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.6	-61.1	144.4	3.126	-15.134
1	-.001	0.000	7.7	-56.2	143.0	1.831	-13.167
2	-.002	0.000	2.8	-51.1	141.7	.636	-11.197
3	-.004	.001	-2.0	-45.9	140.3	-.435	-9.303
4	-.007	.001	-6.8	-40.6	139.0	-1.365	-7.564
5	-.011	.001	-11.6	-35.2	137.6	-2.150	-6.063
6	-.015	.001	-16.2	-29.8	136.3	-2.812	-4.864
7	-.019	.001	-20.8	-24.4	134.9	-3.413	-3.931
8	-.023	0.000	-25.3	-18.9	133.6	-4.044	-3.111
9	-.028	-0.000	-29.8	-13.4	132.2	-4.795	-2.320
10	-.033	-.001	-34.1	-7.9	130.9	-5.815	-1.458

EXCENTRICIDADES RESULTANTES CABEZA -.0600970422917 -.260511544561
EXCENTRICIDADES 1 ORDEN CABEZA -.0603514132926 -.260504201681

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.6	-61.1	144.4	3.141	-15.237
1	-.001	0.000	7.7	-56.2	143.0	1.837	-13.222
2	-.002	0.000	2.8	-51.1	141.7	.638	-11.233
3	-.004	.001	-2.0	-45.9	140.3	-.436	-9.329
4	-.007	.001	-6.8	-40.6	139.0	-1.367	-7.585
5	-.011	.001	-11.6	-35.3	137.6	-2.154	-6.080
6	-.015	.001	-16.2	-29.9	136.3	-2.817	-4.877
7	-.019	.001	-20.8	-24.4	134.9	-3.420	-3.941
8	-.023	0.000	-25.3	-18.9	133.6	-4.051	-3.120
9	-.028	-0.000	-29.8	-13.4	132.2	-4.804	-2.328
10	-.033	-.001	-34.1	-7.9	130.9	-5.830	-1.465

EXCENTRICIDADES RESULTANTES CABEZA -.0602241124628 -.260506487058
EXCENTRICIDADES 1 ORDEN CABEZA -.0603514132926 -.260504201681

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.6	-61.2	144.4	3.148	-15.282
1	-.001	0.000	7.7	-56.2	143.0	1.839	-13.250
2	-.002	0.000	2.8	-51.1	141.7	.638	-11.252
3	-.004	.001	-2.0	-45.9	140.3	-.436	-9.344
4	-.007	.001	-6.8	-40.6	139.0	-1.368	-7.597
5	-.011	.001	-11.6	-35.3	137.6	-2.156	-6.089
6	-.015	.001	-16.2	-29.9	136.3	-2.819	-4.882
7	-.019	.001	-20.8	-24.4	134.9	-3.422	-3.945
8	-.023	0.000	-25.3	-18.9	133.6	-4.054	-3.123
9	-.028	-0.000	-29.8	-13.4	132.2	-4.807	-2.331
10	-.033	-.001	-34.1	-7.9	130.9	-5.837	-1.468

EXCENTRICIDADES RESULTANTES CABEZA -.0602887053282 -.260505342223
EXCENTRICIDADES 1 ORDEN CABEZA -.0603514132926 -.260504201681

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	12.6	-61.2	144.4	3.151	-15.302
1	-.001	0.000	7.7	-56.2	143.0	1.840	-13.263
2	-.002	0.000	2.8	-51.1	141.7	.639	-11.262
3	-.004	.001	-2.0	-45.9	140.3	-.436	-9.352
4	-.007	.001	-6.8	-40.6	139.0	-1.369	-7.600
5	-.011	.001	-11.6	-35.3	137.6	-2.157	-6.093
6	-.015	.001	-16.2	-29.9	136.3	-2.822	-4.886
7	-.019	.001	-20.8	-24.4	134.9	-3.424	-3.949
8	-.023	0.000	-25.3	-18.9	133.6	-4.055	-3.125
9	-.028	-0.000	-29.8	-13.4	132.2	-4.810	-2.333
10	-.033	-.001	-34.1	-7.9	130.9	-5.839	-1.469

EXCENTRICIDADES RESULTANTES CABEZA -.0603212072381 -.260504285687
EXCENTRICIDADES 1 ORDEN CABEZA -.0603514132926 -.260504201681
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 13 TANTEO 0

Fpx= 3.2 t Fpy= 12.2 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	49.5	33.1	111.7	10.586	7.209
1	0.000	0.000	38.8	30.4	110.3	9.761	7.555
2	.001	.001	28.0	27.6	109.0	6.966	6.806
3	.002	.003	17.3	24.8	107.6	3.916	5.630
4	.004	.005	6.5	22.0	106.3	1.319	4.312
5	.006	.007	-4.2	19.1	104.9	-.750	3.148
6	.008	.009	-14.8	16.2	103.6	-2.361	2.345
7	.011	.010	-25.4	13.2	102.2	-3.855	2.009
8	.013	.012	-35.9	10.3	100.9	-5.918	1.813
9	.016	.013	-46.3	7.4	99.5	-9.010	1.505
10	.018	.013	-56.7	4.4	98.2	-13.176	1.031

EXCENTRICIDADES RESULTANTES CABEZA .045040747528 -.576883300139
EXCENTRICIDADES 1 ORDEN CABEZA .0631364562118 -.564154786151

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	51.0	35.2	111.7	12.784	8.724
1	0.000	0.000	40.3	32.5	110.3	9.962	7.971
2	.001	.002	29.5	29.7	109.0	6.657	6.704
3	.003	.003	18.7	26.8	107.6	3.763	5.238
4	.004	.005	7.9	23.9	106.3	1.412	3.930
5	.006	.007	-2.8	21.0	104.9	-.448	3.034
6	.008	.009	-13.5	18.1	103.6	-2.041	2.728
7	.011	.011	-24.1	15.1	102.2	-3.956	2.641
8	.013	.012	-34.7	12.1	100.9	-6.707	2.463
9	.016	.014	-45.1	9.1	99.5	-10.443	2.119
10	.019	.014	-55.5	6.1	98.2	-14.914	1.586

EXCENTRICIDADES RESULTANTES CABEZA .0624118034445 -.564811015175
EXCENTRICIDADES 1 ORDEN CABEZA .0631364562118 -.564154786151

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	51.0	35.1	111.7	13.718	9.221
1	0.000	0.000	40.2	32.4	110.3	10.067	8.030
2	.001	.002	29.4	29.6	109.0	6.565	6.597
3	.003	.003	18.6	26.7	107.6	3.660	5.085
4	.004	.005	7.9	23.9	106.3	1.359	3.791
5	.006	.007	-2.9	21.0	104.9	-.444	2.971
6	.008	.009	-13.5	18.0	103.6	-2.093	2.711
7	.011	.011	-24.1	15.1	102.2	-4.115	2.696
8	.013	.013	-34.7	12.1	100.9	-7.134	2.585
9	.016	.014	-45.1	9.2	99.5	-11.106	2.230
10	.019	.014	-55.4	6.2	98.2	-15.577	1.657

EXCENTRICIDADES RESULTANTES CABEZA .0631090800022 -.564272626167
EXCENTRICIDADES 1 ORDEN CABEZA .0631364562118 -.564154786151

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	51.0	35.1	111.7	14.055	9.403
1	0.000	0.000	40.2	32.4	110.3	10.106	8.054
2	.001	.002	29.4	29.6	109.0	6.527	6.557
3	.003	.003	18.6	26.7	107.6	3.621	5.022
4	.004	.005	7.9	23.9	106.3	1.341	3.734
5	.006	.007	-2.8	21.0	104.9	-.440	2.949
6	.009	.009	-13.5	18.0	103.6	-2.093	2.720

7	.011	.011	-24.1	15.1	102.2	-4.171	2.736
8	.013	.013	-34.7	12.1	100.9	-7.326	2.638
9	.016	.014	-45.1	9.2	99.5	-11.373	2.269
10	.019	.014	-55.4	6.2	98.2	-15.804	1.675

EXCENTRICIDADES RESULTANTES CABEZA .0631214317812 -.564194233771
EXCENTRICIDADES 1 ORDEN CABEZA .0631364562118 -.564154786151

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	51.0	35.1	111.7	14.172	9.466
1	0.000	.001	40.2	32.4	110.3	10.121	8.064
2	.001	.002	29.4	29.6	109.0	6.513	6.542
3	.003	.003	18.6	26.7	107.6	3.604	4.997
4	.004	.005	7.9	23.9	106.3	1.334	3.712
5	.006	.007	-2.8	21.0	104.9	-.439	2.942
6	.009	.009	-13.5	18.0	103.6	-2.094	2.721
7	.011	.011	-24.1	15.1	102.2	-4.195	2.751
8	.013	.013	-34.7	12.1	100.9	-7.410	2.661
9	.016	.014	-45.1	9.2	99.5	-11.479	2.285
10	.019	.014	-55.4	6.2	98.2	-15.881	1.682

EXCENTRICIDADES RESULTANTES CABEZA .0631327230452 -.56416157723
EXCENTRICIDADES 1 ORDEN CABEZA .0631364562118 -.564154786151

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	51.0	35.1	111.7	14.212	9.488
1	0.000	.001	40.2	32.4	110.3	10.127	8.067
2	.001	.002	29.4	29.6	109.0	6.507	6.537
3	.003	.003	18.6	26.7	107.6	3.597	4.986
4	.004	.005	7.9	23.9	106.3	1.331	3.703
5	.006	.007	-2.8	21.0	104.9	-.438	2.940
6	.009	.009	-13.5	18.0	103.6	-2.095	2.721
7	.011	.011	-24.1	15.1	102.2	-4.205	2.757
8	.013	.013	-34.7	12.1	100.9	-7.447	2.671
9	.016	.014	-45.1	9.2	99.5	-11.520	2.291
10	.019	.014	-55.4	6.2	98.2	-15.906	1.684

EXCENTRICIDADES RESULTANTES CABEZA .0631358770584 -.564154379744
EXCENTRICIDADES 1 ORDEN CABEZA .0631364562118 -.564154786151

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	51.0	35.1	111.7	14.226	9.496
1	0.000	.001	40.2	32.4	110.3	10.127	8.067
2	.001	.002	29.4	29.6	109.0	6.507	6.536
3	.003	.003	18.6	26.7	107.6	3.595	4.983
4	.004	.005	7.9	23.9	106.3	1.330	3.700
5	.006	.007	-2.8	21.0	104.9	-.438	2.939
6	.009	.009	-13.5	18.0	103.6	-2.095	2.721
7	.011	.011	-24.1	15.1	102.2	-4.209	2.759
8	.013	.013	-34.7	12.1	100.9	-7.463	2.675
9	.016	.014	-45.1	9.2	99.5	-11.536	2.293
10	.019	.014	-55.4	6.2	98.2	-15.915	1.685

EXCENTRICIDADES RESULTANTES CABEZA .0631360960078 -.564153460253
EXCENTRICIDADES 1 ORDEN CABEZA .0631364562118 -.564154786151

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	51.0	35.1	111.7	14.230	9.498
1	0.000	.001	40.2	32.4	110.3	10.127	8.067
2	.001	.002	29.4	29.6	109.0	6.507	6.536
3	.003	.003	18.6	26.7	107.6	3.594	4.982
4	.004	.005	7.9	23.9	106.3	1.329	3.698
5	.006	.007	-2.8	21.0	104.9	-.438	2.938
6	.009	.009	-13.5	18.0	103.6	-2.095	2.721
7	.011	.011	-24.1	15.1	102.2	-4.210	2.760
8	.013	.013	-34.7	12.1	100.9	-7.469	2.677
9	.016	.014	-45.1	9.2	99.5	-11.542	2.294
10	.019	.014	-55.4	6.2	98.2	-15.914	1.685

EXCENTRICIDADES RESULTANTES CABEZA .0631364566211 -.564154184036
EXCENTRICIDADES 1 ORDEN CABEZA .0631364562118 -.564154786151
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 14 TANTEO 0

Fpx= -5.8 t Fpy= 9.3 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	37.6	-66.5	163.1	8.031	-13.638
1	-0.000	0.000	29.3	-61.6	161.7	7.082	-14.720
2	-.002	.001	21.0	-56.5	160.4	5.157	-13.755
3	-.005	.002	12.7	-51.2	159.0	3.021	-11.996
4	-.008	.004	4.3	-45.8	157.7	.983	-10.033
5	-.012	.005	-4.0	-40.3	156.3	-.846	-8.111
6	-.017	.006	-12.2	-34.7	155.0	-2.421	-6.370
7	-.022	.008	-20.4	-29.1	153.6	-3.731	-4.919
8	-.027	.009	-28.4	-23.4	152.3	-4.830	-3.848
9	-.033	.009	-36.4	-17.7	150.9	-6.011	-3.010
10	-.039	.009	-44.3	-12.0	149.6	-7.509	-2.179

EXCENTRICIDADES RESULTANTES CABEZA -.0800788592704 -.295828902865
EXCENTRICIDADES 1 ORDEN CABEZA -.118315508021 -.286764705882

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	39.2	-72.9	163.1	9.437	-17.381
1	-.001	0.000	30.9	-67.9	161.7	7.561	-16.493
2	-.002	.001	22.5	-62.7	160.4	5.358	-14.649
3	-.005	.002	14.1	-57.3	159.0	3.199	-12.515
4	-.009	.004	5.8	-51.8	157.7	1.225	-10.390
5	-.013	.005	-2.6	-46.2	156.3	-.510	-8.442
6	-.018	.007	-10.9	-40.5	155.0	-1.984	-6.820
7	-.024	.008	-19.1	-34.7	153.6	-3.229	-5.683
8	-.030	.010	-27.2	-28.9	152.3	-4.477	-4.888
9	-.036	.010	-35.2	-23.0	150.9	-5.955	-4.169
10	-.043	.011	-43.1	-17.1	149.6	-7.846	-3.350

EXCENTRICIDADES RESULTANTES CABEZA -.114313186858 -.288274076241
EXCENTRICIDADES 1 ORDEN CABEZA -.118315508021 -.286764705882

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	39.3	-73.1	163.1	10.212	-19.111
1	-.001	0.000	31.0	-68.1	161.7	7.867	-17.287
2	-.003	.001	22.6	-62.9	160.4	5.501	-15.086
3	-.006	.003	14.3	-57.6	159.0	3.279	-12.811
4	-.009	.004	5.9	-52.1	157.7	1.271	-10.620
5	-.014	.006	-2.4	-46.5	156.3	-.489	-8.642
6	-.019	.007	-10.7	-40.8	155.0	-2.003	-7.009
7	-.025	.009	-18.9	-35.0	153.6	-3.349	-5.819
8	-.031	.010	-27.0	-29.2	152.3	-4.662	-4.978
9	-.038	.011	-35.1	-23.3	150.9	-6.148	-4.274
10	-.044	.011	-43.0	-17.4	149.6	-8.106	-3.493

EXCENTRICIDADES RESULTANTES CABEZA -.116533664643 -.287310274511
EXCENTRICIDADES 1 ORDEN CABEZA -.118315508021 -.286764705882

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	39.4	-73.4	163.1	10.536	-19.875
1	-.001	0.000	31.1	-68.4	161.7	8.001	-17.671
2	-.003	.001	22.7	-63.2	160.4	5.570	-15.331
3	-.006	.003	14.3	-57.8	159.0	3.320	-12.996
4	-.010	.004	6.0	-52.3	157.7	1.294	-10.772
5	-.014	.006	-2.4	-46.7	156.3	-.480	-8.773
6	-.020	.007	-10.7	-41.0	155.0	-2.012	-7.125
7	-.026	.009	-18.9	-35.2	153.6	-3.373	-5.914
8	-.032	.010	-27.0	-29.4	152.3	-4.700	-5.069
9	-.038	.011	-35.0	-23.5	150.9	-6.215	-4.354
10	-.045	.012	-42.9	-17.6	149.6	-8.223	-3.562

EXCENTRICIDADES RESULTANTES CABEZA -.117388766171 -.287019613149
EXCENTRICIDADES 1 ORDEN CABEZA -.118315508021 -.286764705882

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	**0.000**	**0.000**	**39.4**	**-73.5**	**163.1**	**10.671**	**-20.198**
1	**-.001**	**0.000**	**31.1**	**-68.5**	**161.7**	**8.065**	**-17.856**
2	**-.003**	**.001**	**22.7**	**-63.3**	**160.4**	**5.607**	**-15.464**

3	-.006	.003	14.4	-57.9	159.0	3.343	-13.104
4	-.010	.004	6.0	-52.4	157.7	1.308	-10.865
5	-.015	.006	-2.3	-46.8	156.3	-.477	-8.855
6	-.020	.008	-10.6	-41.1	155.0	-2.020	-7.193
7	-.026	.009	-18.8	-35.3	153.6	-3.389	-5.964
8	-.032	.010	-27.0	-29.5	152.3	-4.724	-5.108
9	-.039	.011	-35.0	-23.6	150.9	-6.247	-4.390
10	-.046	.012	-42.9	-17.6	149.6	-8.274	-3.595

EXCENTRICIDADES RESULTANTES CABEZA -.117847980516 -.286881121611
EXCENTRICIDADES 1 ORDEN CABEZA -.118315508021 -.286764705882

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	39.4	-73.6	163.1	10.727	-20.336
1	-.001	0.000	31.1	-68.6	161.7	8.095	-17.945
2	-.003	.001	22.8	-63.4	160.4	5.627	-15.534
3	-.006	.003	14.4	-58.0	159.0	3.356	-13.166
4	-.010	.004	6.0	-52.5	157.7	1.315	-10.920
5	-.015	.006	-2.3	-46.9	156.3	-.476	-8.903
6	-.020	.008	-10.6	-41.1	155.0	-2.024	-7.232
7	-.026	.009	-18.8	-35.3	153.6	-3.398	-5.990
8	-.032	.010	-27.0	-29.5	152.3	-4.735	-5.128
9	-.039	.011	-35.0	-23.6	150.9	-6.262	-4.407
10	-.046	.012	-42.9	-17.7	149.6	-8.298	-3.611

EXCENTRICIDADES RESULTANTES CABEZA -.118079024709 -.286818509609
EXCENTRICIDADES 1 ORDEN CABEZA -.118315508021 -.286764705882

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	39.5	-73.6	163.1	10.751	-20.396
1	-.001	0.000	31.1	-68.6	161.7	8.109	-17.988
2	-.003	.001	22.8	-63.4	160.4	5.636	-15.570
3	-.006	.003	14.4	-58.0	159.0	3.363	-13.200
4	-.010	.004	6.0	-52.5	157.7	1.318	-10.952
5	-.015	.006	-2.3	-46.9	156.3	-.476	-8.930
6	-.020	.008	-10.6	-41.2	155.0	-2.027	-7.254
7	-.026	.009	-18.8	-35.4	153.6	-3.403	-6.005
8	-.032	.010	-27.0	-29.5	152.3	-4.741	-5.138
9	-.039	.011	-35.0	-23.6	150.9	-6.269	-4.415
10	-.046	.012	-42.9	-17.7	149.6	-8.308	-3.618

EXCENTRICIDADES RESULTANTES CABEZA -.11819585296 -.286789694054
EXCENTRICIDADES 1 ORDEN CABEZA -.118315508021 -.286764705882

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	39.5	-73.6	163.1	10.762	-20.422
1	-.001	0.000	31.1	-68.6	161.7	8.116	-18.008
2	-.003	.001	22.8	-63.4	160.4	5.641	-15.589
3	-.006	.003	14.4	-58.1	159.0	3.366	-13.218
4	-.010	.004	6.0	-52.5	157.7	1.320	-10.969
5	-.015	.006	-2.3	-46.9	156.3	-.476	-8.945
6	-.020	.008	-10.6	-41.2	155.0	-2.029	-7.265
7	-.026	.009	-18.8	-35.4	153.6	-3.404	-6.010
8	-.032	.010	-27.0	-29.5	152.3	-4.743	-5.142
9	-.039	.011	-35.0	-23.6	150.9	-6.271	-4.418
10	-.046	.012	-42.9	-17.7	149.6	-8.310	-3.621

EXCENTRICIDADES RESULTANTES CABEZA -.118255428823 -.286776919618
EXCENTRICIDADES 1 ORDEN CABEZA -.118315508021 -.286764705882
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 15 TANTEO 0

Fpx= -5.4 t Fpy= 5.7 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	16.9	-65.2	170.6	3.459	-12.481
1	-0.000	0.000	12.0	-60.1	169.2	2.724	-13.058
2	-.002	0.000	7.2	-55.0	167.9	1.651	-12.152

3	-.004	.001	2.3	-49.7	166.5	.522	-10.637
4	-.007	.001	-2.5	-44.4	165.2	-.545	-8.956
5	-.011	.002	-7.4	-39.0	163.8	-1.497	-7.307
6	-.015	.002	-12.2	-33.6	162.5	-2.309	-5.800
7	-.019	.002	-17.1	-28.2	161.1	-2.969	-4.511
8	-.024	.002	-21.8	-22.8	159.8	-3.497	-3.493
9	-.029	.002	-26.6	-17.4	158.4	-4.037	-2.644
10	-.035	.001	-31.3	-12.0	157.1	-4.643	-1.857

EXCENTRICIDADES RESULTANTES CABEZA -.0766074415382 -.199190191104
EXCENTRICIDADES 1 ORDEN CABEZA -.110757479313 -.19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	17.1	-71.1	170.6	3.857	-15.404
1	-.001	0.000	12.3	-66.0	169.2	2.810	-14.553
2	-.002	0.000	7.4	-60.8	167.9	1.657	-12.965
3	-.005	.001	2.5	-55.4	166.5	.543	-11.149
4	-.008	.001	-2.3	-50.0	165.2	-.472	-9.335
5	-.012	.002	-7.2	-44.5	163.8	-1.356	-7.658
6	-.016	.002	-12.1	-39.0	162.5	-2.093	-6.222
7	-.021	.002	-16.9	-33.5	161.1	-2.696	-5.115
8	-.027	.002	-21.7	-27.9	159.8	-3.285	-4.228
9	-.032	.002	-26.5	-22.4	158.4	-3.916	-3.441
10	-.038	.002	-31.2	-16.9	157.1	-4.624	-2.708

EXCENTRICIDADES RESULTANTES CABEZA -.107365004819 -.198410397589
EXCENTRICIDADES 1 ORDEN CABEZA -.110757479313 -.19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	17.1	-71.3	170.6	4.147	-16.878
1	-.001	0.000	12.3	-66.2	169.2	2.926	-15.285
2	-.002	.001	7.5	-61.0	167.9	1.707	-13.386
3	-.005	.001	2.6	-55.7	166.5	.564	-11.435
4	-.008	.001	-2.3	-50.3	165.2	-.468	-9.558
5	-.012	.002	-7.2	-44.8	163.8	-1.369	-7.851
6	-.017	.002	-12.0	-39.3	162.5	-2.138	-6.399
7	-.022	.003	-16.8	-33.7	161.1	-2.803	-5.251
8	-.028	.003	-21.6	-28.2	159.8	-3.419	-4.337
9	-.034	.002	-26.4	-22.7	158.4	-4.058	-3.529
10	-.040	.002	-31.1	-17.1	157.1	-4.764	-2.773

EXCENTRICIDADES RESULTANTES CABEZA -.109127390987 -.19811108918
EXCENTRICIDADES 1 ORDEN CABEZA -.110757479313 -.19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	17.2	-71.5	170.6	4.275	-17.584
1	-.001	0.000	12.3	-66.5	169.2	2.977	-15.662
2	-.002	.001	7.5	-61.2	167.9	1.730	-13.629
3	-.005	.001	2.6	-55.9	166.5	.573	-11.613
4	-.009	.002	-2.3	-50.5	165.2	-.468	-9.702
5	-.013	.002	-7.1	-45.0	163.8	-1.379	-7.974
6	-.018	.002	-12.0	-39.5	162.5	-2.159	-6.504
7	-.023	.003	-16.8	-33.9	161.1	-2.832	-5.336
8	-.028	.003	-21.6	-28.4	159.8	-3.454	-4.411
9	-.034	.002	-26.4	-22.8	158.4	-4.098	-3.593
10	-.040	.002	-31.1	-17.3	157.1	-4.809	-2.825

EXCENTRICIDADES RESULTANTES CABEZA -.109875175342 -.198034899772
EXCENTRICIDADES 1 ORDEN CABEZA -.110757479313 -.19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	17.2	-71.7	170.6	4.334	-17.916
1	-.001	0.000	12.4	-66.6	169.2	3.004	-15.856
2	-.002	.001	7.5	-61.4	167.9	1.742	-13.765
3	-.005	.001	2.6	-56.0	166.5	.578	-11.720
4	-.009	.002	-2.3	-50.6	165.2	-.469	-9.791
5	-.013	.002	-7.1	-45.1	163.8	-1.385	-8.049
6	-.018	.002	-12.0	-39.6	162.5	-2.171	-6.565
7	-.023	.003	-16.8	-34.0	161.1	-2.849	-5.381
8	-.029	.003	-21.6	-28.4	159.8	-3.473	-4.445
9	-.035	.003	-26.4	-22.9	158.4	-4.118	-3.621
10	-.041	.002	-31.1	-17.3	157.1	-4.830	-2.847

EXCENTRICIDADES RESULTANTES CABEZA -.110288820955 -.197996454535
EXCENTRICIDADES 1 ORDEN CABEZA -.110757479313 -.19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	17.2	-71.8	170.6	4.361	-18.071
1	-.001	0.000	12.4	-66.7	169.2	3.017	-15.955
2	-.002	.001	7.5	-61.4	167.9	1.749	-13.840
3	-.005	.001	2.6	-56.1	166.5	.581	-11.782
4	-.009	.002	-2.3	-50.7	165.2	-.470	-9.844
5	-.013	.002	-7.1	-45.2	163.8	-1.389	-8.093
6	-.018	.002	-12.0	-39.6	162.5	-2.179	-6.600
7	-.023	.003	-16.8	-34.1	161.1	-2.858	-5.405
8	-.029	.003	-21.6	-28.5	159.8	-3.482	-4.463
9	-.035	.003	-26.4	-22.9	158.4	-4.127	-3.634
10	-.041	.002	-31.1	-17.4	157.1	-4.839	-2.858

EXCENTRICIDADES RESULTANTES CABEZA -.110510338669 -.197978547053
EXCENTRICIDADES 1 ORDEN CABEZA -.110757479313 -.19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	17.2	-71.8	170.6	4.373	-18.143
1	-.001	0.000	12.4	-66.7	169.2	3.023	-16.005
2	-.002	.001	7.5	-61.5	167.9	1.753	-13.881
3	-.005	.001	2.6	-56.1	166.5	.582	-11.818
4	-.009	.002	-2.3	-50.7	165.2	-.470	-9.874
5	-.013	.002	-7.1	-45.2	163.8	-1.392	-8.119
6	-.018	.002	-12.0	-39.6	162.5	-2.183	-6.619
7	-.023	.003	-16.8	-34.1	161.1	-2.863	-5.417
8	-.029	.003	-21.6	-28.5	159.8	-3.486	-4.471
9	-.035	.003	-26.4	-22.9	158.4	-4.130	-3.641
10	-.041	.002	-31.1	-17.4	157.1	-4.842	-2.863

EXCENTRICIDADES RESULTANTES CABEZA -.110627758234 -.197970369177
EXCENTRICIDADES 1 ORDEN CABEZA -.110757479313 -.19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	17.2	-71.8	170.6	4.379	-18.176
1	-.001	0.000	12.4	-66.7	169.2	3.026	-16.031
2	-.002	.001	7.5	-61.5	167.9	1.755	-13.903
3	-.005	.001	2.6	-56.1	166.5	.583	-11.837
4	-.009	.002	-2.3	-50.7	165.2	-.471	-9.892
5	-.013	.002	-7.1	-45.2	163.8	-1.393	-8.133
6	-.018	.002	-12.0	-39.7	162.5	-2.185	-6.630
7	-.023	.003	-16.8	-34.1	161.1	-2.865	-5.423
8	-.029	.003	-21.6	-28.5	159.8	-3.489	-4.476
9	-.035	.003	-26.4	-22.9	158.4	-4.133	-3.645
10	-.041	.002	-31.1	-17.4	157.1	-4.843	-2.865

EXCENTRICIDADES RESULTANTES CABEZA -.110689264084 -.197966340994
EXCENTRICIDADES 1 ORDEN CABEZA -.110757479313 -.19796308084
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 16 TANTEO 0

Fpx= -5.4 t Fpy= 9.4 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	29.9	-50.2	151.7	5.881	-9.389
1	-0.000	0.000	21.9	-45.1	150.3	4.760	-9.507
2	-.001	.001	14.0	-40.1	149.0	3.017	-8.336
3	-.003	.002	5.9	-34.9	147.6	1.218	-6.753
4	-.005	.002	-2.1	-29.8	146.3	-.394	-5.174
5	-.007	.003	-10.1	-24.7	144.9	-1.730	-3.814
6	-.010	.004	-18.1	-19.5	143.6	-2.777	-2.811
7	-.013	.004	-26.1	-14.4	142.2	-3.797	-2.100
8	-.016	.005	-34.0	-9.4	140.9	-5.000	-1.452
9	-.019	.004	-41.9	-4.3	139.5	-6.568	-.745
10	-.022	.004	-49.7	.7	138.2	-8.700	-.745

CENTRICIDADES RESULTANTES CABEZA .00477827481685 -.359686270106
CENTRICIDADES 1 ORDEN CABEZA -.0173661360347 -.356005788712

ec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	30.5	-53.6	151.7	6.592	-11.254
1	-0.000	0.000	22.5	-48.6	150.3	4.855	-10.068
2	-.002	.001	14.5	-43.4	149.0	2.971	-8.362
3	-.003	.002	6.5	-38.3	147.6	1.227	-6.618
4	-.005	.002	-1.5	-33.1	146.3	-.262	-5.097
5	-.008	.003	-9.6	-27.9	144.9	-1.463	-4.002
6	-.011	.004	-17.6	-22.7	143.6	-2.555	-3.293
7	-.014	.005	-25.6	-17.5	142.2	-3.751	-2.710
8	-.017	.005	-33.5	-12.4	140.9	-5.239	-2.121
9	-.020	.005	-41.4	-7.3	139.5	-7.222	-1.380
10	-.024	.004	-49.3	-2.2	138.2	-9.782	-.464

CENTRICIDADES RESULTANTES CABEZA -.0159615044772 -.356439226468
CENTRICIDADES 1 ORDEN CABEZA -.0173661360347 -.356005788712

ec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	30.5	-53.6	151.7	7.008	-12.080
1	-0.000	0.000	22.6	-48.5	150.3	4.952	-10.290
2	-.002	.001	14.6	-43.4	149.0	2.977	-8.360
3	-.003	.002	6.5	-38.3	147.6	1.223	-6.562
4	-.006	.003	-1.5	-33.1	146.3	-.256	-5.066
5	-.008	.003	-9.5	-27.9	144.9	-1.483	-4.017
6	-.011	.004	-17.6	-22.8	143.6	-2.622	-3.326
7	-.014	.005	-25.5	-17.6	142.2	-3.860	-2.749
8	-.017	.005	-33.5	-12.5	140.9	-5.410	-2.188
9	-.021	.005	-41.4	-7.4	139.5	-7.559	-1.455
10	-.024	.004	-49.2	-2.3	138.2	-10.289	-.512

XCENTRICIDADES RESULTANTES CABEZA -.0169372090139 -.356121504131
XCENTRICIDADES 1 ORDEN CABEZA -.0173661360347 -.356005788712

ec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	30.5	-53.6	151.7	7.178	-12.450
1	-0.000	0.000	22.6	-48.6	150.3	4.993	-10.399
2	-.002	.001	14.6	-43.5	149.0	2.979	-8.370
3	-.003	.002	6.5	-38.3	147.6	1.221	-6.545
4	-.006	.003	-1.5	-33.1	146.3	-.254	-5.061
5	-.008	.003	-9.5	-28.0	144.9	-1.484	-4.028
6	-.011	.004	-17.6	-22.8	143.6	-2.633	-3.350
7	-.014	.005	-25.5	-17.7	142.2	-3.888	-2.783
8	-.017	.005	-33.5	-12.5	140.9	-5.482	-2.222
9	-.021	.005	-41.4	-7.4	139.5	-7.718	-1.486
10	-.025	.004	-49.2	-2.4	138.2	-10.524	-.527

XCENTRICIDADES RESULTANTES CABEZA -.0171463070125 -.356062693314
XCENTRICIDADES 1 ORDEN CABEZA -.0173661360347 -.356005788712

ec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	30.5	-53.6	151.7	7.253	-12.612
1	-0.000	0.000	22.6	-48.6	150.3	5.013	-10.452
2	-.002	.001	14.6	-43.5	149.0	2.983	-8.382
3	-.003	.002	6.5	-38.3	147.6	1.221	-6.543
4	-.006	.003	-1.5	-33.2	146.3	-.253	-5.063
5	-.008	.003	-9.5	-28.0	144.9	-1.485	-4.036
6	-.011	.004	-17.5	-22.8	143.6	-2.639	-3.360
7	-.014	.005	-25.5	-17.7	142.2	-3.900	-2.795
8	-.018	.005	-33.5	-12.5	140.9	-5.512	-2.237
9	-.021	.005	-41.4	-7.4	139.5	-7.790	-1.501
10	-.025	.005	-49.2	-2.4	138.2	-10.630	-.534

XCENTRICIDADES RESULTANTES CABEZA -.0172567009689 -.356032919408
XCENTRICIDADES 1 ORDEN CABEZA -.0173661360347 -.356005788712

ec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	30.5	-53.6	151.7	7.284	-12.682
1	-0.000	0.000	22.6	-48.6	150.3	5.022	-10.478
2	-.002	.001	14.6	-43.5	149.0	2.984	-8.387
3	-.003	.002	6.6	-38.3	147.6	1.221	-6.545
4	-.006	.003	-1.5	-33.2	146.3	-.252	-5.065

5	-.008	.004	-9.5	-28.0	144.9	-1.486	-4.040
6	-.011	.004	-17.5	-22.8	143.6	-2.640	-3.363
7	-.014	.005	-25.5	-17.7	142.2	-3.904	-2.799
8	-.018	.005	-33.5	-12.6	140.9	-5.525	-2.244
9	-.021	.005	-41.4	-7.5	139.5	-7.823	-1.507
10	-.025	.005	-49.2	-2.4	138.2	-10.676	-.538

EXCENTRICIDADES RESULTANTES CABEZA -.0173155450925 -.356018679853
EXCENTRICIDADES 1 ORDEN CABEZA -.0173661360347 -.356005788712

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	30.5	-53.7	151.7	7.298	-12.712
1	-0.000	0.000	22.6	-48.6	150.3	5.026	-10.490
2	-.002	.001	14.6	-43.5	149.0	2.986	-8.394
3	-.003	.002	6.6	-38.3	147.6	1.222	-6.546
4	-.006	.003	-1.5	-33.2	146.3	-.252	-5.067
5	-.008	.004	-9.5	-28.0	144.9	-1.486	-4.041
6	-.011	.004	-17.5	-22.8	143.6	-2.641	-3.365
7	-.014	.005	-25.5	-17.7	142.2	-3.906	-2.802
8	-.018	.005	-33.5	-12.6	140.9	-5.529	-2.246
9	-.021	.005	-41.4	-7.5	139.5	-7.838	-1.510
10	-.025	.005	-49.2	-2.4	138.2	-10.696	-.539

EXCENTRICIDADES RESULTANTES CABEZA -.0173404888373 -.356012373058
EXCENTRICIDADES 1 ORDEN CABEZA -.0173661360347 -.356005788712

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	30.5	-53.7	151.7	7.304	-12.725
1	-0.000	0.000	22.6	-48.6	150.3	5.027	-10.492
2	-.002	.001	14.6	-43.5	149.0	2.986	-8.396
3	-.003	.002	6.6	-38.4	147.6	1.222	-6.547
4	-.006	.003	-1.5	-33.2	146.3	-.252	-5.068
5	-.008	.004	-9.5	-28.0	144.9	-1.486	-4.042
6	-.011	.004	-17.5	-22.8	143.6	-2.641	-3.366
7	-.014	.005	-25.5	-17.7	142.2	-3.907	-2.803
8	-.018	.005	-33.5	-12.6	140.9	-5.533	-2.247
9	-.021	.005	-41.4	-7.5	139.5	-7.844	-1.512
10	-.025	.005	-49.2	-2.4	138.2	-10.705	-.540

EXCENTRICIDADES RESULTANTES CABEZA -.0173571916454 -.356007689918
EXCENTRICIDADES 1 ORDEN CABEZA -.0173661360347 -.356005788712
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 17 TANTEO 0

Fpx= 3.2 t Fpy= 13 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	50.7	32.3	144.3	9.801	6.517
1	0.000	0.000	39.3	29.6	142.9	8.656	6.649
2	.001	.001	27.8	26.8	141.6	5.951	5.842
3	.002	.003	16.3	24.0	140.2	3.159	4.650
4	.003	.004	4.9	21.1	138.9	.832	3.438
5	.005	.006	-6.5	18.2	137.5	-.969	2.498
6	.007	.008	-17.9	15.2	136.2	-2.394	2.000
7	.009	.009	-29.2	12.3	134.8	-4.004	1.704
8	.011	.010	-40.3	9.3	133.5	-6.001	1.498
9	.013	.011	-51.4	6.4	132.1	-8.879	1.192
10	.016	.011	-62.4	3.4	130.8	-12.814	.726

EXCENTRICIDADES RESULTANTES CABEZA .0257976354828 -.476923686932
EXCENTRICIDADES 1 ORDEN CABEZA .0412844036697 -.466360856269

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	52.3	34.6	144.3	11.483	7.757
1	0.000	0.000	40.8	31.9	142.9	8.707	6.924
2	.001	.001	29.3	29.1	141.6	5.656	5.617
3	.002	.003	17.9	26.2	140.2	3.035	4.255
4	.004	.004	6.4	23.3	138.9	.943	3.192
5	.005	.006	-5.1	20.3	137.5	-.676	2.667
6	.007	.008	-16.4	17.4	136.2	-2.254	2.402
7	.009	.009	-27.7	14.4	134.8	-4.115	2.301
8	.011	.011	-39.0	11.4	133.5	-6.701	2.124
9	.014	.011	-50.1	8.3	132.1	-10.244	1.791
10	.016	.011	-61.0	5.3	130.8	-14.656	1.284

EXCENTRICIDADES RESULTANTES CABEZA .0406670812868 -.466731057347
EXCENTRICIDADES 1 ORDEN CABEZA .0412844036697 -.466360856269

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	52.2	34.5	144.3	12.290	8.186
1	0.000	0.000	40.8	31.8	142.9	8.767	6.945
2	.001	.001	29.3	29.0	141.6	5.545	5.497
3	.002	.003	17.8	26.1	140.2	2.929	4.139
4	.004	.005	6.3	23.3	138.9	.910	3.146
5	.005	.006	-5.1	20.3	137.5	-.684	2.659
6	.007	.008	-16.5	17.4	136.2	-2.302	2.422
7	.009	.009	-27.8	14.4	134.8	-4.255	2.346
8	.012	.011	-39.0	11.4	133.5	-7.082	2.226
9	.014	.011	-50.1	8.4	132.1	-10.931	1.894
10	.016	.011	-61.0	5.4	130.8	-15.471	1.356

EXCENTRICIDADES RESULTANTES CABEZA .041229884841 -.466407033548
EXCENTRICIDADES 1 ORDEN CABEZA .0412844036697 -.466360856269

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	52.2	34.5	144.3	12.620	8.367
1	0.000	0.000	40.8	31.8	142.9	8.788	6.961
2	.001	.002	29.3	29.0	141.6	5.498	5.451
3	.002	.003	17.8	26.1	140.2	2.896	4.093
4	.004	.005	6.3	23.3	138.9	.905	3.135
5	.005	.006	-5.1	20.3	137.5	-.684	2.659
6	.007	.008	-16.5	17.4	136.2	-2.310	2.433
7	.009	.010	-27.8	14.4	134.8	-4.301	2.377
8	.012	.011	-39.0	11.4	133.5	-7.260	2.272
9	.014	.011	-50.1	8.4	132.1	-11.240	1.934
10	.016	.011	-61.0	5.4	130.8	-15.797	1.377

EXCENTRICIDADES RESULTANTES CABEZA .0412449999332 -.466386236611
EXCENTRICIDADES 1 ORDEN CABEZA .0412844036697 -.466360856269

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	52.2	34.5	144.3	12.755	8.442
1	0.000	0.000	40.8	31.8	142.9	8.797	6.968
2	.001	.002	29.3	29.0	141.6	5.480	5.434
3	.002	.003	17.8	26.2	140.2	2.884	4.077
4	.004	.005	6.3	23.3	138.9	.903	3.132
5	.005	.006	-5.1	20.3	137.5	-.684	2.659
6	.007	.008	-16.5	17.4	136.2	-2.313	2.435
7	.009	.010	-27.8	14.4	134.8	-4.319	2.388
8	.012	.011	-39.0	11.4	133.5	-7.341	2.293
9	.014	.011	-50.1	8.4	132.1	-11.376	1.952
10	.016	.011	-61.0	5.4	130.8	-15.925	1.386

EXCENTRICIDADES RESULTANTES CABEZA .0412649086757 -.466371759636
EXCENTRICIDADES 1 ORDEN CABEZA .0412844036697 -.466360856269

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	52.2	34.5	144.3	12.809	8.471
1	0.000	0.000	40.8	31.8	142.9	8.798	6.969
2	.001	.002	29.3	29.0	141.6	5.473	5.427
3	.002	.003	17.8	26.2	140.2	2.880	4.072
4	.004	.005	6.3	23.3	138.9	.903	3.132
5	.005	.006	-5.1	20.3	137.5	-.684	2.660
6	.007	.008	-16.5	17.4	136.2	-2.313	2.436
7	.009	.010	-27.8	14.4	134.8	-4.326	2.393
8	.012	.011	-39.0	11.4	133.5	-7.378	2.302
9	.014	.011	-50.1	8.4	132.1	-11.435	1.960
10	.016	.011	-61.0	5.4	130.8	-15.974	1.390

EXCENTRICIDADES RESULTANTES CABEZA .0412762909981 -.466363778912
EXCENTRICIDADES 1 ORDEN CABEZA .0412844036697 -.466360856269

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	52.2	34.5	144.3	12.830	8.483
1	0.000	0.000	40.8	31.8	142.9	8.799	6.969
2	.001	.002	29.3	29.0	141.6	5.471	5.426
3	.002	.003	17.8	26.2	140.2	2.879	4.071
4	.004	.005	6.3	23.3	138.9	.903	3.132
5	.005	.006	-5.1	20.3	137.5	-.684	2.660
6	.007	.008	-16.5	17.4	136.2	-2.314	2.437
7	.009	.010	-27.8	14.4	134.8	-4.328	2.394
8	.012	.011	-39.0	11.4	133.5	-7.394	2.306
9	.014	.011	-50.1	8.4	132.1	-11.460	1.963
10	.016	.011	-61.0	5.4	130.8	-15.993	1.391

EXCENTRICIDADES RESULTANTES CABEZA .0412801829252 -.466362569958
EXCENTRICIDADES 1 ORDEN CABEZA .0412844036697 -.466360856269

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	52.2	34.5	144.3	12.838	8.488
1	0.000	0.000	40.8	31.8	142.9	8.799	6.970
2	.001	.002	29.3	29.0	141.6	5.471	5.425
3	.002	.003	17.8	26.2	140.2	2.878	4.070
4	.004	.005	6.3	23.3	138.9	.903	3.132
5	.005	.006	-5.1	20.3	137.5	-.684	2.660
6	.007	.008	-16.5	17.4	136.2	-2.314	2.437
7	.009	.010	-27.8	14.4	134.8	-4.329	2.394
8	.012	.011	-39.0	11.4	133.5	-7.402	2.308
9	.014	.011	-50.1	8.4	132.1	-11.471	1.964
10	.016	.011	-61.0	5.4	130.8	-16.000	1.392

EXCENTRICIDADES RESULTANTES CABEZA .0412823975955 -.466361669426
EXCENTRICIDADES 1 ORDEN CABEZA .0412844036697 -.466360856269
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 18 TANTEO 0

Fpx= -5.8 t Fpy= 12.4 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	48.9	-56.7	129.5	10.937	-12.598
1	-0.000	0.000	38.0	-51.8	128.1	9.911	-13.625
2	-.002	.001	27.1	-46.7	126.8	7.077	-12.438
3	-.004	.003	16.1	-41.6	125.4	4.010	-10.472
4	-.007	.005	5.1	-36.3	124.1	1.195	-8.358
5	-.011	.007	-5.8	-31.0	122.7	-1.241	-6.374
6	-.015	.009	-16.6	-25.7	121.4	-3.267	-4.701
7	-.019	.010	-27.4	-20.3	120.0	-4.954	-3.513
8	-.024	.012	-38.1	-14.9	118.7	-6.791	-2.761
9	-.029	.012	-48.7	-9.5	117.3	-9.493	-1.940
10	-.034	.013	-59.1	-4.0	116.0	-13.186	-.918

EXCENTRICIDADES RESULTANTES CABEZA -.0347863760215 -.509663560622
EXCENTRICIDADES 1 ORDEN CABEZA -.0681034482759 -.497413793103

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	50.6	-61.2	129.5	13.152	-16.043
1	-.001	0.000	39.7	-56.2	128.1	10.344	-14.902
2	-.002	.002	28.7	-51.1	126.8	7.126	-12.813
3	-.005	.003	17.7	-45.8	125.4	4.099	-10.498
4	-.008	.005	6.7	-40.5	124.1	1.427	-8.282
5	-.012	.007	-4.3	-35.1	122.7	-.839	-6.398
6	-.016	.009	-15.2	-29.7	121.4	-2.734	-5.114
7	-.021	.011	-26.0	-24.2	120.0	-4.618	-4.466
8	-.026	.013	-36.8	-18.7	118.7	-7.135	-3.807
9	-.031	.014	-47.4	-13.1	117.3	-10.519	-2.974
10	-.037	.014	-57.9	-7.6	116.0	-14.692	-1.895

EXCENTRICIDADES RESULTANTES CABEZA -.0653310815625 -.498885649855
EXCENTRICIDADES 1 ORDEN CABEZA -.0681034482759 -.497413793103

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	50.6	-61.1	129.5	14.118	-17.362
1	-.001	0.000	39.7	-56.2	128.1	10.598	-15.327
2	-.002	.002	28.7	-51.1	126.8	7.197	-12.943
3	-.005	.004	17.7	-45.9	125.4	4.119	-10.525
4	-.008	.006	6.7	-40.6	124.1	1.439	-8.274
5	-.012	.008	-4.2	-35.2	122.7	-.823	-6.406
6	-.017	.010	-15.1	-29.8	121.4	-2.777	-5.151
7	-.021	.012	-25.9	-24.3	120.0	-4.769	-4.496
8	-.026	.013	-36.6	-18.8	118.7	-7.406	-3.947
9	-.032	.014	-47.3	-13.3	117.3	-11.025	-3.131
10	-.037	.015	-57.8	-7.8	116.0	-15.306	-2.013

EXCENTRICIDADES RESULTANTES CABEZA -.0672316496104 -.497859640384
EXCENTRICIDADES 1 ORDEN CABEZA -.0681034482759 -.497413793103

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	50.7	-61.2	129.5	14.467	-17.846
1	-.001	.001	39.7	-56.3	128.1	10.697	-15.502
2	-.002	.002	28.8	-51.2	126.8	7.230	-13.016
3	-.005	.004	17.8	-45.9	125.4	4.132	-10.556
4	-.008	.006	6.8	-40.6	124.1	1.447	-8.289
5	-.012	.008	-4.2	-35.3	122.7	-.817	-6.421
6	-.017	.010	-15.1	-29.9	121.4	-2.780	-5.184
7	-.022	.012	-25.9	-24.4	120.0	-4.795	-4.553
8	-.027	.013	-36.6	-18.9	118.7	-7.524	-4.013
9	-.032	.014	-47.2	-13.4	117.3	-11.236	-3.192
10	-.038	.015	-57.7	-7.9	116.0	-15.530	-2.050

EXCENTRICIDADES RESULTANTES CABEZA -.0677179437161 -.497593416669
EXCENTRICIDADES 1 ORDEN CABEZA -.0681034482759 -.497413793103

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	50.7	-61.3	129.5	14.588	-18.017
1	-.001	.001	39.8	-56.3	128.1	10.738	-15.575
2	-.002	.002	28.8	-51.2	126.8	7.247	-13.054
3	-.005	.004	17.8	-46.0	125.4	4.140	-10.579
4	-.008	.006	6.8	-40.7	124.1	1.451	-8.299
5	-.012	.008	-4.2	-35.3	122.7	-.814	-6.435
6	-.017	.010	-15.1	-29.9	121.4	-2.783	-5.202
7	-.022	.012	-25.9	-24.4	120.0	-4.812	-4.573
8	-.027	.013	-36.6	-18.9	118.7	-7.575	-4.042
9	-.032	.015	-47.2	-13.4	117.3	-11.322	-3.217
10	-.038	.015	-57.7	-7.9	116.0	-15.612	-2.065

EXCENTRICIDADES RESULTANTES CABEZA -.0679401692293 -.497480329641
EXCENTRICIDADES 1 ORDEN CABEZA -.0681034482759 -.497413793103

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	50.7	-61.3	129.5	14.631	-18.077
1	-.001	.001	39.8	-56.3	128.1	10.754	-15.604
2	-.002	.002	28.8	-51.2	126.8	7.255	-13.073
3	-.005	.004	17.8	-46.0	125.4	4.144	-10.592
4	-.008	.006	6.8	-40.7	124.1	1.453	-8.309
5	-.012	.008	-4.1	-35.3	122.7	-.814	-6.444
6	-.017	.010	-15.0	-29.9	121.4	-2.786	-5.211
7	-.022	.012	-25.9	-24.4	120.0	-4.819	-4.582
8	-.027	.014	-36.6	-19.0	118.7	-7.597	-4.055
9	-.032	.015	-47.2	-13.4	117.3	-11.357	-3.227
10	-.038	.015	-57.7	-7.9	116.0	-15.640	-2.071

EXCENTRICIDADES RESULTANTES CABEZA -.068031275078 -.497439110594
EXCENTRICIDADES 1 ORDEN CABEZA -.0681034482759 -.497413793103

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	50.7	-61.3	129.5	14.645	-18.099
1	-.001	.001	39.8	-56.3	128.1	10.761	-15.617
2	-.002	.002	28.8	-51.2	126.8	7.258	-13.082
3	-.005	.004	17.8	-46.0	125.4	4.146	-10.599
4	-.008	.006	6.8	-40.7	124.1	1.454	-8.312
5	-.012	.008	-4.1	-35.3	122.7	-.814	-6.447
6	-.017	.010	-15.0	-29.9	121.4	-2.786	-5.214

7	-.022	.012	-25.9	-24.5	120.0	-4.820	-4.585
8	-.027	.014	-36.6	-19.0	118.7	-7.607	-4.060
9	-.032	.015	-47.2	-13.4	117.3	-11.371	-3.232
10	-.038	.015	-57.7	-7.9	116.0	-15.650	-2.073

EXCENTRICIDADES RESULTANTES CABEZA -.0680745079169 -.497423940716
EXCENTRICIDADES 1 ORDEN CABEZA -.0681034482759 -.497413793103
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

VI.2 ESFUERZOS CARACTERÍSTICOS EN BASE DE FUSTE 2

PROGRAMA: FUSTE VERSION: Mayo 1997

PROYECTO: 10648-CARACT F2

FECHA : SEPT 2001
DATOS CONTENIDOS EN EL FICHERO 10648C2F

----------MATERIALES----------

HormigÆn fck=350Kp/cm2 Yf=1.50 Acero fyk= 5100Kp/cm2 Ys=1.15

-----CARACTERàSTICAS DE LA PILA-----

ALTURA: 8.41 m

RIGIDEZ SEGUN x: 0ton/m RIGIDEZ SEGUN y: 0ton/m
FLEXIBILIDAD SEGUN x: 0.0000000rad/mt FLEXIBILIDAD SEGUN y: 0.0000000rad/mt

-----GEOMETRàA DE LA SECCIçN CAJçN-----

DIM. EXTERNAS DEL CAJON: EN LA BASE: 80 X 80 cm. EN CABEZA: 80 X 80cm.

ESPESORES: (BASE) Ex: 40cm, Ey: 40cm (CABEZA) Ex: 40cm, Ey: 40cm

RECUBRIMIENTO: DE LA ARMADURA EXTERIOR: 5cm. DE LA ARMADURA INTERIOR: 5cm.

--------ARMADURAS (cm2)-------

SECCION	EXTERIORES: SEGUN X	SEGUN Y	INTERIORES: SEGUN X	SEGUN Y
0	38.440	38.440	0.000	0.000
1	38.440	38.440	0.000	0.000
2	38.440	38.440	0.000	0.000
3	38.440	38.440	0.000	0.000
4	38.440	38.440	0.000	0.000
5	38.440	38.440	0.000	0.000
6	38.440	38.440	0.000	0.000
7	38.440	38.440	0.000	0.000
8	38.440	38.440	0.000	0.000
9	38.440	38.440	0.000	0.000
10	38.440	38.440	0.000	0.000

PROGRAMA: FUSTE VERSION: Mayo 1997

----------ACCIONES----------

CLR es la Carga Linealmente Repartida, en t/m, en 11 secciones
La primera seccion es la de la base, y la ultima la de la cabeza

HIPçTESIS	Fx	Fy	Fz	Mx1	My1	Gampp					
1	-5.800	-8.600	232.800	50.500	-34.100	1.00					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	-5.800	-5.700	157.100	31.100	-17.700	1.00					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	3.200	-9.400	224.700	53.900	-25.800	1.00					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	-5.800	-8.800	209.900	50.600	-39.000	1.00					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	-2.500	-6.500	121.900	35.600	-4.900	1.00					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22	.22
6	-1.290	5.400	144.900	-3.900	-3.800	1.00					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	-.22	-.22	-.22	-.22	-.22	-.22	-.22	-.22	-.22	-.22	-.22
7	-5.800	-9.300	150.200	43.000	-17.700	1.00					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07
8	-6.200	-5.700	157.100	31.100	-18.000	1.00					
CLR, X:	-.07	-.07	-.07	-.07	-.07	-.07	-.07	-.07	-.07	-.07	-.07
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	-5.800	-13.000	217.800	65.700	-33.900	1.00					
CLR, X:	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	-6.200	-9.400	224.700	53.900	-34.200	1.00					
CLR, X:	-.07	-.07	-.07	-.07	-.07	-.07	-.07	-.07	-.07	-.07	-.07
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	2.900	-9.400	224.700	53.900	-26.100	1.00					
CLR, X:	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROGRAMA: FUSTE VERSION: Mayo 1997

HIPçTESIS	Fx	Fy	Fz	Mx1	My1	Gampp					
12	-5.800	-12.400	203.000	62.400	-39.000	1.00					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07
13	3.200	-5.100	239.700	38.700	-26.000	1.00					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07
14	-5.400	-2.100	163.900	19.300	-17.700	1.00					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07
15	-5.400	-5.700	157.100	31.100	-17.400	1.00					
CLR, X:	-.07	-.07	-.07	-.07	-.07	-.07	-.07	-.07	-.07	-.07	-.07
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	-5.400	-9.400	224.700	53.900	-33.500	1.00					
CLR, X:	-.07	-.07	-.07	-.07	-.07	-.07	-.07	-.07	-.07	-.07	-.07
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	3.200	-5.900	231.500	42.000	-25.800	1.00					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07
18	-5.800	-5.300	216.800	38.800	-39.000	1.00					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07	.07

PROGRAMA: FUSTE (PICO) VERSION: Mayo 1997

COMPROBACION DE PILAS

RESULTADOS CORRESPONDIENTES A LOS DATOS CONTENIDOS EN EL FICHERO 10648C2F

PROYECTO: 10648-CARACT F2

FECHA: SEPT 2001

Dim. base : Lx = .80 m Ly = .80 m . Espesores ex = .40 m ey = .40 m
Dim. cabeza: Lx = .80 m Ly = .80 m . Espesores ex = .40 m ey = .40 m
MATERIALES . HormigÆn fck= 350 cm2. Yf=1.50 Acero fyk= 5100 cm2 Ys=1.15

DEFINICIONES

flch.x : FLECHA SEGUN EL EJE LONGITUDINAL (X) EN LA CABEZA DEL FUSTE
flch.y : FLECHA SEGUN EL EJE PERPENDICULAR (Y) EN LA CABEZA DEL FUSTE
Momx : MOMENTO DE EJE X, EN CABEZA DEL FUSTE
Momy : MOMENTO DE EJE Y, EN CABEZA DEL FUSTE
curv.x : CURVATURA SEGUN EJE X EN CABEZA DEL FUSTE
curv.y : CURVATURA SEGUN EJE Y EN CABEZA DEL FUSTE

HIPOTESIS 1 TANTEO 0

Fpx= -5.8 t Fpy= -8.6 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-21.8	-83.0	246.3	-4.416	-15.310
1	-.001	-0.000	-14.6	-77.9	244.9	-3.228	-16.059
2	-.002	-.001	-7.3	-72.7	243.6	-1.632	-15.221
3	-.005	-.001	.1	-67.1	242.2	-1.632	-13.683
4	-.009	-.002	7.5	-61.4	240.9	1.588	-11.944
5	-.013	-.002	14.8	-55.4	239.5	2.993	-10.165
6	-.019	-.002	22.1	-49.3	238.2	4.217	-8.537
7	-.024	-.002	29.4	-43.0	236.8	5.264	-7.139
8	-.031	-.002	36.5	-36.7	235.5	6.192	-6.001
9	-.038	-.001	43.5	-30.3	234.1	7.161	-4.997
10	-.045	0.000	50.5	-23.7	232.8	8.214	-4.034

EXCENTRICIDADES RESULTANTES CABEZA -.101995243515 .216758958356
EXCENTRICIDADES 1 ORDEN CABEZA -.14647766323 .216924398625

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-21.8	-94.1	246.3	-4.826	-19.346
1	-.001	-0.000	-14.6	-89.0	244.9	-3.270	-18.603
2	-.003	-.001	-7.2	-83.6	243.6	-1.590	-16.998
3	-.006	-.001	.1	-77.9	242.2	-1.590	-15.121
4	-.010	-.002	7.5	-71.9	240.9	1.516	-13.160
5	-.015	-.002	14.9	-65.7	239.5	2.830	-11.356
6	-.021	-.003	22.2	-59.3	238.2	3.970	-9.822
7	-.028	-.003	29.4	-52.8	236.8	4.983	-8.622
8	-.035	-.002	36.6	-46.2	235.5	6.006	-7.604
9	-.043	-.002	43.6	-39.4	234.1	7.092	-6.678
10	-.052	-0.000	50.6	-32.5	232.8	8.306	-5.774

EXCENTRICIDADES RESULTANTES CABEZA -.1397519538 .217300550441
EXCENTRICIDADES 1 ORDEN CABEZA -.14647766323 .216924398625

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-21.9	-95.2	246.3	-5.277	-21.680
1	-.001	-0.000	-14.6	-90.1	244.9	-3.471	-20.104
2	-.003	-.001	-7.3	-84.7	243.6	-1.675	-18.109

3	-.006	-.001	.1	-79.0	242.2	-1.675	-16.051
4	-.011	-.002	7.5	-73.0	240.9	1.559	-13.957
5	-.017	-.002	14.8	-66.8	239.5	2.942	-12.069
6	-.023	-.003	22.1	-60.3	238.2	4.179	-10.439
7	-.030	-.003	29.4	-53.8	236.8	5.314	-9.096
8	-.038	-.002	36.5	-47.0	235.5	6.391	-7.975
9	-.046	-.002	43.6	-40.2	234.1	7.496	-6.962
10	-.055	-0.000	50.5	-33.2	232.8	8.697	-5.995

EXCENTRICIDADES RESULTANTES CABEZA -.142669424816 .217031547258
EXCENTRICIDADES 1 ORDEN CABEZA -.14647766323 .216924398625

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-21.9	-96.1	246.3	-5.503	-22.987
1	-.001	-0.000	-14.7	-91.0	244.9	-3.575	-21.003
2	-.003	-.001	-7.3	-85.6	243.6	-1.718	-18.820
3	-.007	-.001	0.0	-79.8	242.2	-1.718	-16.663
4	-.012	-.002	7.4	-73.8	240.9	1.593	-14.484
5	-.017	-.002	14.8	-67.5	239.5	3.011	-12.530
6	-.024	-.003	22.1	-61.0	238.2	4.281	-10.826
7	-.032	-.003	29.4	-54.3	236.8	5.436	-9.408
8	-.040	-.003	36.5	-47.5	235.5	6.523	-8.234
9	-.048	-.002	43.6	-40.6	234.1	7.634	-7.180
10	-.058	-0.000	50.5	-33.6	232.8	8.845	-6.170

EXCENTRICIDADES RESULTANTES CABEZA -.144123614654 .216994748985
EXCENTRICIDADES 1 ORDEN CABEZA -.14647766323 .216924398625

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-22.0	-96.6	246.3	-5.624	-23.707
1	-.001	-0.000	-14.7	-91.5	244.9	-3.635	-21.536
2	-.003	-.001	-7.3	-86.1	243.6	-1.746	-19.265
3	-.007	-.001	0.0	-80.3	242.2	-1.746	-17.055
4	-.012	-.002	7.4	-74.2	240.9	1.613	-14.826
5	-.018	-.003	14.8	-67.9	239.5	3.053	-12.825
6	-.025	-.003	22.1	-61.4	238.2	4.342	-11.067
7	-.032	-.003	29.4	-54.7	236.8	5.509	-9.591
8	-.041	-.003	36.5	-47.8	235.5	6.603	-8.374
9	-.050	-.002	43.6	-40.9	234.1	7.713	-7.291
10	-.059	-.001	50.5	-33.8	232.8	8.922	-6.257

EXCENTRICIDADES RESULTANTES CABEZA -.145053989986 .21696142439
EXCENTRICIDADES 1 ORDEN CABEZA -.14647766323 .216924398625

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-22.0	-97.0	246.3	-5.688	-24.101
1	-.001	-0.000	-14.7	-91.9	244.9	-3.670	-21.850
2	-.003	-.001	-7.3	-86.4	243.6	-1.762	-19.538
3	-.007	-.001	0.0	-80.6	242.2	-1.762	-17.300
4	-.012	-.002	7.4	-74.5	240.9	1.626	-15.043
5	-.018	-.003	14.8	-68.2	239.5	3.080	-13.010
6	-.025	-.003	22.1	-61.6	238.2	4.379	-11.215
7	-.033	-.003	29.4	-54.9	236.8	5.551	-9.701
8	-.041	-.003	36.5	-48.0	235.5	6.646	-8.456
9	-.050	-.002	43.6	-41.0	234.1	7.755	-7.355
10	-.060	-.001	50.5	-33.9	232.8	8.961	-6.306

EXCENTRICIDADES RESULTANTES CABEZA -.14562369327 .216943224967
EXCENTRICIDADES 1 ORDEN CABEZA -.14647766323 .216924398625

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-22.0	-97.2	246.3	-5.723	-24.319
1	-.001	-0.000	-14.7	-92.1	244.9	-3.690	-22.033
2	-.003	-.001	-7.3	-86.6	243.6	-1.772	-19.704
3	-.007	-.001	0.0	-80.8	242.2	-1.772	-17.452
4	-.012	-.002	7.4	-74.7	240.9	1.635	-15.178
5	-.018	-.003	14.8	-68.3	239.5	3.097	-13.125
6	-.025	-.003	22.1	-61.8	238.2	4.401	-11.306
7	-.033	-.003	29.4	-55.0	236.8	5.576	-9.767
8	-.042	-.003	36.5	-48.1	235.5	6.671	-8.504
9	-.051	-.002	43.6	-41.1	234.1	7.778	-7.391
10	-.060	-.001	50.5	-34.0	232.8	8.982	-6.333

XCENTRICIDADES RESULTANTES CABEZA -.145968159463 .216933394714
XCENTRICIDADES 1 ORDEN CABEZA -.14647766323 .216924398625

ec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-22.0	-97.3	246.3	-5.741	-24.440
1	-.001	-0.000	-14.7	-92.2	244.9	-3.702	-22.141
2	-.003	-.001	-7.3	-86.7	243.6	-1.778	-19.804
3	-.007	-.001	0.0	-80.9	242.2	-1.778	-17.544
4	-.012	-.002	7.4	-74.8	240.9	1.640	-15.261
5	-.018	-.003	14.8	-68.4	239.5	3.107	-13.196
6	-.025	-.003	22.1	-61.9	238.2	4.415	-11.361
7	-.033	-.003	29.4	-55.1	236.8	5.591	-9.807
8	-.042	-.003	36.5	-48.2	235.5	6.685	-8.532
9	-.051	-.002	43.6	-41.2	234.1	7.791	-7.413
10	-.061	-.001	50.5	-34.0	232.8	8.993	-6.349

XCENTRICIDADES RESULTANTES CABEZA -.14617445307 .216928514398
XCENTRICIDADES 1 ORDEN CABEZA -.14647766323 .216924398625

ec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-22.0	-97.3	246.3	-5.752	-24.508
1	-.001	-0.000	-14.7	-92.2	244.9	-3.708	-22.204
2	-.003	-.001	-7.3	-86.8	243.6	-1.781	-19.864
3	-.007	-.001	0.0	-81.0	242.2	-1.781	-17.600
4	-.012	-.002	7.4	-74.9	240.9	1.643	-15.311
5	-.018	-.003	14.8	-68.5	239.5	3.113	-13.238
6	-.026	-.003	22.1	-61.9	238.2	4.423	-11.395
7	-.033	-.003	29.4	-55.2	236.8	5.600	-9.831
8	-.042	-.003	36.5	-48.3	235.5	6.694	-8.549
9	-.051	-.002	43.6	-41.2	234.1	7.796	-7.423
10	-.061	-.001	50.5	-34.1	232.8	8.998	-6.357

XCENTRICIDADES RESULTANTES CABEZA -.146297593859 .216926351492
XCENTRICIDADES 1 ORDEN CABEZA -.14647766323 .216924398625

ec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-22.0	-97.4	246.3	-5.757	-24.547
1	-.001	-0.000	-14.7	-92.3	244.9	-3.712	-22.241
2	-.003	-.001	-7.3	-86.8	243.6	-1.783	-19.899
3	-.007	-.001	0.0	-81.0	242.2	-1.783	-17.634
4	-.012	-.002	7.4	-74.9	240.9	1.645	-15.342
5	-.018	-.003	14.8	-68.5	239.5	3.117	-13.264
6	-.026	-.003	22.1	-62.0	238.2	4.428	-11.415
7	-.033	-.003	29.4	-55.2	236.8	5.604	-9.842
8	-.042	-.003	36.5	-48.3	235.5	6.698	-8.557
9	-.051	-.002	43.6	-41.2	234.1	7.802	-7.432
10	-.061	-.001	50.5	-34.1	232.8	9.000	-6.361

XCENTRICIDADES RESULTANTES CABEZA -.146371468088 .216925630285
XCENTRICIDADES 1 ORDEN CABEZA -.14647766323 .216924398625
ONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

IPOTESIS 2 TANTEO 0

---

px= -5.8 t Fpy= -5.7 t

ec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-16.9	-66.5	170.6	-3.485	-12.858
1	-0.000	-0.000	-12.0	-61.6	169.2	-2.751	-13.545
2	-.002	-0.000	-7.2	-56.5	167.9	-1.671	-12.683
3	-.004	-.001	-2.3	-51.2	166.5	-.529	-11.167
4	-.007	-.001	2.5	-45.8	165.2	.555	-9.453
5	-.011	-.002	7.4	-40.4	163.8	1.527	-7.745
6	-.015	-.002	12.3	-34.8	162.5	2.360	-6.158
7	-.020	-.002	17.1	-29.2	161.1	3.039	-4.775
8	-.025	-.002	21.8	-23.5	159.8	3.571	-3.658
9	-.031	-.002	26.6	-17.8	158.4	4.089	-2.734
10	-.036	-.001	31.3	-12.1	157.1	4.675	-1.877

EXCENTRICIDADES RESULTANTES CABEZA -.0769661136913 .19917300495
EXCENTRICIDADES 1 ORDEN CABEZA -.112667091025 .19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-17.1	-72.8	170.6	-3.894	-15.958
1	-.001	-0.000	-12.3	-67.8	169.2	-2.843	-15.171
2	-.002	-0.000	-7.4	-62.6	167.9	-1.680	-13.597
3	-.005	-.001	-2.5	-57.2	166.5	-.551	-11.758
4	-.008	-.001	2.3	-51.7	165.2	.482	-9.891
5	-.012	-.002	7.2	-46.1	163.8	1.387	-8.134
6	-.017	-.002	12.1	-40.4	162.5	2.143	-6.595
7	-.022	-.002	16.9	-34.7	161.1	2.753	-5.378
8	-.028	-.002	21.7	-28.8	159.8	3.328	-4.413
9	-.034	-.002	26.5	-23.0	158.4	3.943	-3.557
10	-.040	-.002	31.2	-17.1	157.1	4.637	-2.757

EXCENTRICIDADES RESULTANTES CABEZA -.108984973204 .19842968526
EXCENTRICIDADES 1 ORDEN CABEZA -.112667091025 .19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-17.1	-73.0	170.6	-4.194	-17.523
1	-.001	-0.000	-12.3	-68.0	169.2	-2.965	-15.968
2	-.002	-.001	-7.5	-62.8	167.9	-1.734	-14.070
3	-.005	-.001	-2.6	-57.5	166.5	-.574	-12.088
4	-.009	-.002	2.3	-52.0	165.2	.478	-10.150
5	-.013	-.002	7.2	-46.4	163.8	1.401	-8.354
6	-.018	-.002	12.0	-40.7	162.5	2.187	-6.791
7	-.023	-.003	16.9	-35.0	161.1	2.860	-5.530
8	-.029	-.003	21.7	-29.2	159.8	3.467	-4.528
9	-.035	-.002	26.4	-23.3	158.4	4.089	-3.647
10	-.042	-.002	31.1	-17.4	157.1	4.777	-2.822

EXCENTRICIDADES RESULTANTES CABEZA -.110877793638 .198120580983
EXCENTRICIDADES 1 ORDEN CABEZA -.112667091025 .19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-17.2	-73.2	170.6	-4.326	-18.270
1	-.001	-0.000	-12.3	-68.3	169.2	-3.020	-16.377
2	-.002	-.001	-7.5	-63.1	167.9	-1.759	-14.341
3	-.005	-.001	-2.6	-57.7	166.5	-.584	-12.292
4	-.009	-.002	2.3	-52.2	165.2	.479	-10.316
5	-.013	-.002	7.1	-46.6	163.8	1.411	-8.494
6	-.018	-.002	12.0	-40.9	162.5	2.209	-6.910
7	-.024	-.003	16.8	-35.1	161.1	2.890	-5.625
8	-.030	-.003	21.6	-29.3	159.8	3.503	-4.608
9	-.036	-.003	26.4	-23.5	158.4	4.130	-3.715
10	-.043	-.002	31.1	-17.5	157.1	4.822	-2.877

EXCENTRICIDADES RESULTANTES CABEZA -.111698590565 .198038244389
EXCENTRICIDADES 1 ORDEN CABEZA -.112667091025 .19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-17.2	-73.4	170.6	-4.386	-18.621
1	-.001	-0.000	-12.4	-68.4	169.2	-3.047	-16.587
2	-.002	-.001	-7.5	-63.2	167.9	-1.772	-14.492
3	-.005	-.001	-2.6	-57.9	166.5	-.589	-12.413
4	-.009	-.002	2.3	-52.4	165.2	.479	-10.417
5	-.014	-.002	7.1	-46.7	163.8	1.418	-8.580
6	-.019	-.002	12.0	-41.0	162.5	2.222	-6.980
7	-.024	-.003	16.8	-35.3	161.1	2.909	-5.676
8	-.030	-.003	21.6	-29.4	159.8	3.524	-4.646
9	-.036	-.003	26.4	-23.5	158.4	4.151	-3.746
10	-.043	-.002	31.1	-17.6	157.1	4.843	-2.901

EXCENTRICIDADES RESULTANTES CABEZA -.112152451201 .197997336895
EXCENTRICIDADES 1 ORDEN CABEZA -.112667091025 .19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-17.2	-73.5	170.6	-4.414	-18.783
1	-.001	-0.000	-12.4	-68.5	169.2	-3.060	-16.693
2	-.003	-.001	-7.5	-63.3	167.9	-1.779	-14.574
3	-.005	-.001	-2.6	-57.9	166.5	-.592	-12.483
4	-.009	-.002	2.3	-52.4	165.2	.480	-10.478

5	-.014	-.002	7.1	-46.8	163.8	1.422	-8.631
6	-.019	-.002	12.0	-41.1	162.5	2.230	-7.020
7	-.024	-.003	16.8	-35.3	161.1	2.919	-5.704
8	-.030	-.003	21.6	-29.5	159.8	3.534	-4.666
9	-.037	-.003	26.4	-23.6	158.4	4.161	-3.761
10	-.043	-.002	31.1	-17.7	157.1	4.853	-2.912

EXCENTRICIDADES RESULTANTES CABEZA -.112395704482 .1979786066
EXCENTRICIDADES 1 ORDEN CABEZA -.112667091025 .1979630808

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-17.2	-73.5	170.6	-4.426	-18.859
1	-.001	-0.000	-12.4	-68.5	169.2	-3.067	-16.747
2	-.003	-.001	-7.5	-63.3	167.9	-1.783	-14.619
3	-.005	-.001	-2.6	-58.0	166.5	-.594	-12.522
4	-.009	-.002	2.3	-52.5	165.2	.481	-10.513
5	-.014	-.002	7.1	-46.8	163.8	1.425	-8.661
6	-.019	-.002	12.0	-41.1	162.5	2.235	-7.043
7	-.024	-.003	16.8	-35.3	161.1	2.924	-5.719
8	-.030	-.003	21.6	-29.5	159.8	3.540	-4.676
9	-.037	-.003	26.4	-23.6	158.4	4.165	-3.768
10	-.043	-.002	31.1	-17.7	157.1	4.856	-2.918

EXCENTRICIDADES RESULTANTES CABEZA -.112524454862 .1979700780
EXCENTRICIDADES 1 ORDEN CABEZA -.112667091025 .1979630808

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-17.2	-73.5	170.6	-4.432	-18.894
1	-.001	-0.000	-12.4	-68.5	169.2	-3.071	-16.775
2	-.003	-.001	-7.5	-63.3	167.9	-1.785	-14.643
3	-.005	-.001	-2.6	-58.0	166.5	-.595	-12.544
4	-.009	-.002	2.3	-52.5	165.2	.481	-10.532
5	-.014	-.002	7.1	-46.9	163.8	1.427	-8.677
6	-.019	-.002	12.0	-41.1	162.5	2.237	-7.056
7	-.024	-.003	16.8	-35.4	161.1	2.926	-5.725
8	-.031	-.003	21.6	-29.5	159.8	3.542	-4.681
9	-.037	-.003	26.4	-23.6	158.4	4.168	-3.772
10	-.044	-.002	31.1	-17.7	157.1	4.858	-2.920

EXCENTRICIDADES RESULTANTES CABEZA -.112592471987 .1979663901
EXCENTRICIDADES 1 ORDEN CABEZA -.112667091025 .1979630808
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 3 TANTEO 0

Fpx= 3.2 t Fpy= -9.4 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-25.2	1.1	238.2	-3.359	.148
1	0.000	-0.000	-17.2	-1.6	236.8	-2.299	-.211
2	-0.000	-0.000	-9.3	-4.3	235.5	-1.235	-.569
3	-0.000	-.001	-1.3	-6.9	234.1	-.171	-.925
4	-0.000	-.001	6.7	-9.6	232.8	.893	-1.279
5	-0.000	-.001	14.7	-12.3	231.4	1.953	-1.630
6	-.001	-.002	22.6	-14.9	230.1	3.009	-1.978
7	-.001	-.002	30.5	-17.5	228.7	4.071	-2.332
8	-.002	-.001	38.4	-20.0	227.4	5.249	-2.783
9	-.003	-.001	46.1	-22.5	226.0	6.625	-3.376
10	-.004	.001	53.8	-25.0	224.7	8.267	-4.106

EXCENTRICIDADES RESULTANTES CABEZA -.111147889335 .23920876494
EXCENTRICIDADES 1 ORDEN CABEZA -.11481975968 .23987538940

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-25.0	.2	238.2	-3.339	-4.106
1	-0.000	-0.000	-17.1	-2.4	236.8	-2.279	-.323
2	-0.000	-0.000	-9.1	-5.1	235.5	-1.216	-.675
3	-.001	-.001	-1.1	-7.7	234.1	-.151	-1.026
4	-.001	-.001	6.9	-10.3	232.8	.912	-1.374

5	-.001	-.001	14.8	-12.9	231.4	1.973	-1.719
6	-.002	-.002	22.8	-15.5	230.1	3.038	-2.069
7	-.002	-.002	30.7	-18.0	228.7	4.195	-2.505
8	-.003	-.001	38.5	-20.5	227.4	5.526	-3.072
9	-.004	-.001	46.2	-23.0	226.0	7.099	-3.770
10	-.006	.001	53.9	-25.4	224.7	8.980	-4.569

EXCENTRICIDADES RESULTANTES CABEZA -.112930260497 .23971263218
EXCENTRICIDADES 1 ORDEN CABEZA -.11481975968 .239875389408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-25.0	-.2	238.2	-3.538	-4.569
1	-0.000	-0.000	-17.1	-2.8	236.8	-2.274	-.378
2	-0.000	-0.000	-9.1	-5.5	235.5	-1.211	-.730
3	-.001	-.001	-1.1	-8.1	234.1	-.147	-1.080
4	-.001	-.001	6.9	-10.7	232.8	.917	-1.427
5	-.001	-.001	14.9	-13.3	231.4	1.978	-1.772
6	-.002	-.002	22.8	-15.9	230.1	3.047	-2.124
7	-.003	-.002	30.7	-18.4	228.7	4.234	-2.583
8	-.003	-.001	38.5	-20.9	227.4	5.634	-3.194
9	-.005	-.001	46.3	-23.3	226.0	7.311	-3.945
10	-.006	.001	53.9	-25.7	224.7	9.322	-4.793

EXCENTRICIDADES RESULTANTES CABEZA -.114460550311 .23989268725
EXCENTRICIDADES 1 ORDEN CABEZA -.11481975968 .239875389408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-25.0	-.2	238.2	-3.626	-4.793
1	-0.000	-0.000	-17.1	-2.9	236.8	-2.275	-.386
2	-0.000	-0.000	-9.1	-5.5	235.5	-1.212	-.738
3	-.001	-.001	-1.1	-8.2	234.1	-.147	-1.088
4	-.001	-.001	6.9	-10.8	232.8	.917	-1.436
5	-.001	-.002	14.9	-13.4	231.4	1.978	-1.780
6	-.002	-.002	22.8	-15.9	230.1	3.049	-2.134
7	-.003	-.002	30.7	-18.5	228.7	4.247	-2.601
8	-.004	-.001	38.5	-21.0	227.4	5.676	-3.230
9	-.005	-.001	46.3	-23.4	226.0	7.403	-4.006
10	-.006	.001	53.9	-25.8	224.7	9.481	-4.878

EXCENTRICIDADES RESULTANTES CABEZA -.114703830792 .23989203078
EXCENTRICIDADES 1 ORDEN CABEZA -.11481975968 .239875389408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-25.0	-.3	238.2	-3.672	-4.878
1	-0.000	-0.000	-17.1	-2.9	236.8	-2.276	-.389
2	-0.000	-0.000	-9.1	-5.6	235.5	-1.212	-.741
3	-.001	-.001	-1.1	-8.2	234.1	-.147	-1.091
4	-.001	-.001	6.9	-10.8	232.8	.917	-1.438
5	-.001	-.002	14.9	-13.4	231.4	1.978	-1.783
6	-.002	-.002	22.8	-16.0	230.1	3.050	-2.137
7	-.003	-.002	30.7	-18.5	228.7	4.251	-2.607
8	-.004	-.001	38.5	-21.0	227.4	5.690	-3.243
9	-.005	-.001	46.3	-23.4	226.0	7.439	-4.030
10	-.006	.001	53.9	-25.8	224.7	9.550	-4.915

EXCENTRICIDADES RESULTANTES CABEZA -.114776770807 .239886803171
EXCENTRICIDADES 1 ORDEN CABEZA -.11481975968 .239875389408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-25.0	-.3	238.2	-3.690	-4.915
1	-0.000	-0.000	-17.1	-2.9	236.8	-2.276	-.390
2	-0.000	-0.000	-9.1	-5.6	235.5	-1.212	-.742
3	-.001	-.001	-1.1	-8.2	234.1	-.148	-1.092
4	-.001	-.001	6.9	-10.8	232.8	.916	-1.439
5	-.001	-.002	14.9	-13.4	231.4	1.978	-1.784
6	-.002	-.002	22.8	-16.0	230.1	3.049	-2.139
7	-.003	-.002	30.7	-18.5	228.7	4.252	-2.608
8	-.004	-.001	38.5	-21.0	227.4	5.695	-3.246
9	-.005	-.001	46.3	-23.4	226.0	7.453	-4.039
10	-.006	.001	53.9	-25.8	224.7	9.580	-4.930

EXCENTRICIDADES RESULTANTES CABEZA -.114802202266 .239880895367
EXCENTRICIDADES 1 ORDEN CABEZA -.11481975968 .239875389408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-25.0	-.3	238.2	-3.698	-4.930
1	-0.000	-0.000	-17.1	-2.9	236.8	-2.276	-.391
2	-0.000	-0.000	-9.1	-5.6	235.5	-1.213	-.743
3	-.001	-.001	-1.1	-8.2	234.1	-.148	-1.093
4	-.001	-.001	6.9	-10.8	232.8	.916	-1.440
5	-.001	-.002	14.9	-13.4	231.4	1.978	-1.784
6	-.002	-.002	22.8	-16.0	230.1	3.049	-2.139
7	-.003	-.002	30.7	-18.5	228.7	4.252	-2.609
8	-.004	-.001	38.5	-21.0	227.4	5.696	-3.248
9	-.005	-.001	46.3	-23.4	226.0	7.458	-4.042
10	-.006	.001	53.9	-25.8	224.7	9.593	-4.937

EXCENTRICIDADES RESULTANTES CABEZA -.114812497062 .23987784224
EXCENTRICIDADES 1 ORDEN CABEZA -.11481975968 .239875389408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-25.0	-.3	238.2	-3.701	-4.937
1	-0.000	-0.000	-17.1	-2.9	236.8	-2.276	-.391
2	-0.000	-0.000	-9.1	-5.6	235.5	-1.213	-.743
3	-.001	-.001	-1.1	-8.2	234.1	-.148	-1.093
4	-.001	-.001	6.9	-10.8	232.8	.916	-1.440
5	-.001	-.002	14.9	-13.4	231.4	1.978	-1.784
6	-.002	-.002	22.8	-16.0	230.1	3.049	-2.139
7	-.003	-.002	30.7	-18.5	228.7	4.252	-2.609
8	-.004	-.001	38.5	-21.0	227.4	5.696	-3.248
9	-.005	-.001	46.3	-23.4	226.0	7.459	-4.043
10	-.006	.001	53.9	-25.8	224.7	9.596	-4.939

EXCENTRICIDADES RESULTANTES CABEZA -.114816719955 .239876499901
EXCENTRICIDADES 1 ORDEN CABEZA -.11481975968 .239875389408
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 4 TANTEO 0

Fpx= -5.8 t Fpy= -8.6 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-21.7	-83.9	223.4	-4.537	-16.151
1	-.001	-0.000	-14.5	-78.9	222.0	-3.350	-17.274
2	-.002	-.001	-7.2	-73.6	220.7	-1.693	-16.533
3	-.005	-.001	.2	-68.1	219.3	-1.693	-14.966
4	-.009	-.002	7.6	-62.3	218.0	1.700	-13.138
5	-.014	-.002	14.9	-56.4	216.6	3.203	-11.238
6	-.020	-.003	22.2	-50.3	215.3	4.528	-9.463
7	-.026	-.002	29.4	-44.1	213.9	5.676	-7.896
8	-.033	-.002	36.6	-37.8	212.6	6.675	-6.601
9	-.041	-.001	43.6	-31.4	211.2	7.662	-5.519
10	-.049	0.000	50.5	-24.9	209.9	8.769	-4.504

EXCENTRICIDADES RESULTANTES CABEZA -.118422619831 .240677310538
EXCENTRICIDADES 1 ORDEN CABEZA -.166746069557 .241067174845

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-21.7	-94.9	223.4	-5.008	-20.731
1	-.001	-0.000	-14.4	-89.8	222.0	-3.403	-20.120
2	-.003	-.001	-7.1	-84.3	220.7	-1.646	-18.500
3	-.006	-.001	.3	-78.6	219.3	-1.646	-16.537
4	-.011	-.002	7.6	-72.7	218.0	1.641	-14.455
5	-.017	-.002	15.0	-66.5	216.6	3.053	-12.482
6	-.023	-.003	22.3	-60.2	215.3	4.293	-10.751
7	-.030	-.003	29.5	-53.6	213.9	5.380	-9.361
8	-.038	-.002	36.7	-47.0	212.6	6.434	-8.259
9	-.047	-.001	43.7	-40.3	211.2	7.576	-7.280
10	-.056	-0.000	50.7	-33.5	209.9	8.904	-6.316

EXCENTRICIDADES RESULTANTES CABEZA -.159391195266 .241465258106
EXCENTRICIDADES 1 ORDEN CABEZA -.166746069557 .241067174845

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-21.8	-95.9	223.4	-5.484	-23.309
1	-.001	-0.000	-14.5	-90.8	222.0	-3.610	-21.738
2	-.003	-.001	-7.2	-85.4	220.7	-1.732	-19.684
3	-.007	-.001	.2	-79.7	219.3	-1.732	-17.527
4	-.012	-.002	7.6	-73.7	218.0	1.684	-15.306
5	-.018	-.002	14.9	-67.5	216.6	3.161	-13.249
6	-.025	-.003	22.2	-61.1	215.3	4.485	-11.428
7	-.033	-.003	29.5	-54.6	213.9	5.699	-9.902
8	-.041	-.003	36.6	-47.9	212.6	6.851	-8.653
9	-.051	-.002	43.7	-41.1	211.2	8.020	-7.577
10	-.060	-0.000	50.6	-34.1	209.9	9.322	-6.571

EXCENTRICIDADES RESULTANTES CABEZA -.162628915234 .241188953025
EXCENTRICIDADES 1 ORDEN CABEZA -.166746069557 .241067174845

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-21.8	-96.8	223.4	-5.715	-24.693
1	-.001	-0.000	-14.5	-91.7	222.0	-3.712	-22.666
2	-.003	-.001	-7.2	-86.2	220.7	-1.774	-20.418
3	-.007	-.001	.2	-80.5	219.3	-1.774	-18.164
4	-.012	-.002	7.6	-74.5	218.0	1.717	-15.864
5	-.019	-.003	14.9	-68.2	216.6	3.229	-13.748
6	-.026	-.003	22.2	-61.8	215.3	4.589	-11.858
7	-.034	-.003	29.5	-55.1	213.9	5.828	-10.255
8	-.043	-.003	36.6	-48.4	212.6	6.992	-8.942
9	-.053	-.002	43.7	-41.5	211.2	8.172	-7.820
10	-.063	-0.000	50.6	-34.5	209.9	9.494	-6.760

EXCENTRICIDADES RESULTANTES CABEZA -.164267399905 .24113388147
EXCENTRICIDADES 1 ORDEN CABEZA -.166746069557 .241067174845

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-21.8	-97.3	223.4	-5.831	-25.410
1	-.001	-0.000	-14.5	-92.2	222.0	-3.769	-23.194
2	-.003	-.001	-7.2	-86.7	220.7	-1.800	-20.862
3	-.007	-.001	.2	-81.0	219.3	-1.800	-18.562
4	-.013	-.002	7.6	-74.9	218.0	1.737	-16.219
5	-.019	-.003	14.9	-68.6	216.6	3.272	-14.063
6	-.027	-.003	22.2	-62.2	215.3	4.652	-12.126
7	-.035	-.003	29.5	-55.5	213.9	5.905	-10.465
8	-.044	-.003	36.6	-48.7	212.6	7.080	-9.100
9	-.054	-.002	43.7	-41.7	211.2	8.262	-7.943
10	-.064	-0.000	50.6	-34.7	209.9	9.583	-6.857

EXCENTRICIDADES RESULTANTES CABEZA -.16529431419 .241094651005
EXCENTRICIDADES 1 ORDEN CABEZA -.166746069557 .241067174845

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-21.8	-97.6	223.4	-5.889	-25.785
1	-.001	-0.000	-14.5	-92.5	222.0	-3.800	-23.493
2	-.003	-.001	-7.2	-87.0	220.7	-1.814	-21.126
3	-.008	-.001	.2	-81.3	219.3	-1.814	-18.803
4	-.013	-.002	7.6	-75.2	218.0	1.750	-16.438
5	-.020	-.003	14.9	-68.9	216.6	3.299	-14.258
6	-.027	-.003	22.2	-62.4	215.3	4.690	-12.289
7	-.036	-.003	29.5	-55.7	213.9	5.951	-10.591
8	-.045	-.003	36.6	-48.9	212.6	7.128	-9.192
9	-.055	-.002	43.7	-41.9	211.2	8.309	-8.013
10	-.065	-0.000	50.6	-34.8	209.9	9.628	-6.910

EXCENTRICIDADES RESULTANTES CABEZA -.165902568989 .241077068753
EXCENTRICIDADES 1 ORDEN CABEZA -.166746069557 .241067174845

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-21.8	-97.7	223.4	-5.919	-25.982
1	-.001	-0.000	-14.5	-92.7	222.0	-3.817	-23.661
2	-.004	-.001	-7.2	-87.2	220.7	-1.822	-21.280
3	-.008	-.001	.2	-81.4	219.3	-1.822	-18.947
4	-.013	-.002	7.6	-75.4	218.0	1.759	-16.571
5	-.020	-.003	14.9	-69.0	216.6	3.315	-14.376
6	-.027	-.003	22.2	-62.5	215.3	4.714	-12.387
7	-.036	-.003	29.5	-55.8	213.9	5.978	-10.666
8	-.045	-.003	36.6	-49.0	212.6	7.156	-9.245
9	-.055	-.002	43.7	-42.0	211.2	8.335	-8.052
10	-.065	-0.000	50.6	-34.9	209.9	9.653	-6.940

EXCENTRICIDADES RESULTANTES CABEZA -.166258841892 .241069626273
EXCENTRICIDADES 1 ORDEN CABEZA -.166746069557 .241067174845

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-21.8	-97.8	223.4	-5.934	-26.087
1	-.001	-0.000	-14.5	-92.8	222.0	-3.826	-23.755
2	-.004	-.001	-7.2	-87.3	220.7	-1.827	-21.369
3	-.008	-.001	.2	-81.5	219.3	-1.827	-19.032
4	-.013	-.002	7.6	-75.4	218.0	1.764	-16.650
5	-.020	-.003	14.9	-69.1	216.6	3.325	-14.447
6	-.027	-.003	22.2	-62.6	215.3	4.728	-12.445
7	-.036	-.003	29.5	-55.9	213.9	5.994	-10.710
8	-.045	-.003	36.6	-49.0	212.6	7.172	-9.276
9	-.055	-.002	43.7	-42.0	211.2	8.350	-8.075
10	-.066	-0.000	50.6	-34.9	209.9	9.666	-6.956

EXCENTRICIDADES RESULTANTES CABEZA -.166465356005 .241066980379
EXCENTRICIDADES 1 ORDEN CABEZA -.166746069557 .241067174845

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-21.8	-97.9	223.4	-5.943	-26.145
1	-.001	-0.000	-14.5	-92.8	222.0	-3.831	-23.809
2	-.004	-.001	-7.2	-87.4	220.7	-1.830	-21.421
3	-.008	-.001	.2	-81.6	219.3	-1.830	-19.082
4	-.013	-.002	7.6	-75.5	218.0	1.767	-16.697
5	-.020	-.003	14.9	-69.2	216.6	3.331	-14.488
6	-.027	-.003	22.2	-62.6	215.3	4.736	-12.480
7	-.036	-.003	29.5	-55.9	213.9	6.004	-10.736
8	-.045	-.003	36.6	-49.1	212.6	7.181	-9.293
9	-.055	-.002	43.7	-42.1	211.2	8.358	-8.087
10	-.066	-0.000	50.6	-35.0	209.9	9.670	-6.963

XCENTRICIDADES RESULTANTES CABEZA -.166584521974 .241066303556
XCENTRICIDADES 1 ORDEN CABEZA -.166746069557 .241067174845

ec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-21.8	-97.9	223.4	-5.947	-26.176
1	-.001	-0.000	-14.5	-92.8	222.0	-3.834	-23.839
2	-.004	-.001	-7.2	-87.4	220.7	-1.831	-21.451
3	-.008	-.001	.2	-81.6	219.3	-1.831	-19.111
4	-.013	-.002	7.6	-75.5	218.0	1.769	-16.724
5	-.020	-.003	14.9	-69.2	216.6	3.335	-14.513
6	-.028	-.003	22.2	-62.7	215.3	4.741	-12.500
7	-.036	-.003	29.5	-55.9	213.9	6.009	-10.751
8	-.045	-.003	36.6	-49.1	212.6	7.184	-9.301
9	-.055	-.002	43.7	-42.1	211.2	8.361	-8.093
10	-.066	-0.000	50.6	-35.0	209.9	9.676	-6.970

CENTRICIDADES RESULTANTES CABEZA -.166653635132 .241066723123
CENTRICIDADES 1 ORDEN CABEZA -.166746069557 .241067174845
ONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

POTESIS 5 TANTEO 0

---

x= -2.5 t Fpy= -6.5 t

c.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-11.3	-25.9	135.4	-1.767	-3.782
1	-0.000	-0.000	-7.3	-23.8	134.0	-1.146	-3.496
2	-.001	-0.000	-3.1	-21.7	132.7	-.476	-3.048
3	-.001	-0.000	1.2	-19.5	131.3	.170	-2.607
4	-.002	-.001	5.7	-17.3	130.0	.764	-2.243
5	-.003	-.001	10.3	-15.1	128.6	1.353	-1.956
6	-.004	-.001	15.1	-12.8	127.3	1.990	-1.685

7	-.005	-.001	20.0	-10.6	125.9	2.671	-1.426
8	-.006	-0.000	25.0	-8.3	124.6	3.422	-1.182
9	-.008	0.000	30.2	-6.1	123.2	4.311	-.940
10	-.009	.001	35.4	-3.8	121.9	5.470	-.644

EXCENTRICIDADES RESULTANTES CABEZA -.0311535252631 .290777198104
EXCENTRICIDADES 1 ORDEN CABEZA -.0401968826907 .292042657916

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-11.1	-27.2	135.4	-1.740	-3.981
1	-0.000	-0.000	-7.1	-25.1	134.0	-1.079	-3.517
2	-.001	-0.000	-3.0	-22.9	132.7	-.425	-3.058
3	-.001	-0.000	1.3	-20.7	131.3	.181	-2.685
4	-.002	-.001	5.8	-18.5	130.0	.764	-2.400
5	-.003	-.001	10.4	-16.3	128.6	1.378	-2.131
6	-.004	-.001	15.2	-14.0	127.3	2.032	-1.881
7	-.005	-0.000	20.1	-11.7	125.9	2.747	-1.657
8	-.007	-0.000	25.1	-9.4	124.6	3.582	-1.456
9	-.008	0.000	30.3	-7.1	123.2	4.657	-1.208
10	-.010	.001	35.6	-4.8	121.9	6.048	-.899

EXCENTRICIDADES RESULTANTES CABEZA -.0397782161395 .291872008717
EXCENTRICIDADES 1 ORDEN CABEZA -.0401968826907 .292042657916

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-11.1	-27.2	135.4	-1.773	-4.022
1	-0.000	-0.000	-7.1	-25.0	134.0	-1.080	-3.509
2	-.001	-0.000	-3.0	-22.9	132.7	-.424	-3.053
3	-.001	-0.000	1.4	-20.7	131.3	.185	-2.692
4	-.002	-.001	5.8	-18.5	130.0	.777	-2.411
5	-.003	-.001	10.5	-16.3	128.6	1.398	-2.149
6	-.004	-.001	15.2	-14.0	127.3	2.063	-1.905
7	-.005	-0.000	20.1	-11.8	125.9	2.798	-1.687
8	-.007	-0.000	25.2	-9.5	124.6	3.671	-1.491
9	-.008	0.000	30.3	-7.2	123.2	4.828	-1.254
10	-.010	.001	35.6	-4.9	121.9	6.336	-.941

EXCENTRICIDADES RESULTANTES CABEZA -.0401555245302 .291996202355
EXCENTRICIDADES 1 ORDEN CABEZA -.0401968826907 .292042657916

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-11.1	-27.2	135.4	-1.780	-4.039
1	-0.000	-0.000	-7.1	-25.0	134.0	-1.078	-3.507
2	-.001	-0.000	-3.0	-22.9	132.7	-.423	-3.052
3	-.001	-0.000	1.4	-20.7	131.3	.186	-2.693
4	-.002	-.001	5.8	-18.5	130.0	.778	-2.413
5	-.003	-.001	10.5	-16.3	128.6	1.401	-2.153
6	-.004	-.001	15.2	-14.0	127.3	2.070	-1.912
7	-.005	-0.000	20.1	-11.8	125.9	2.812	-1.698
8	-.007	-0.000	25.2	-9.5	124.6	3.702	-1.506
9	-.008	0.000	30.3	-7.2	123.2	4.904	-1.272
10	-.010	.001	35.6	-4.9	121.9	6.473	-.958

EXCENTRICIDADES RESULTANTES CABEZA -.0401820661291 .292026488582
EXCENTRICIDADES 1 ORDEN CABEZA -.0401968826907 .292042657916

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-11.1	-27.2	135.4	-1.783	-4.045
1	-0.000	-0.000	-7.1	-25.0	134.0	-1.078	-3.507
2	-.001	-0.000	-3.0	-22.9	132.7	-.423	-3.052
3	-.001	-0.000	1.4	-20.7	131.3	.186	-2.693
4	-.002	-.001	5.8	-18.5	130.0	.779	-2.413
5	-.003	-.001	10.5	-16.3	128.6	1.402	-2.153
6	-.004	-.001	15.2	-14.0	127.3	2.072	-1.913
7	-.005	-0.000	20.1	-11.8	125.9	2.816	-1.701
8	-.007	-0.000	25.2	-9.5	124.6	3.714	-1.512
9	-.008	0.000	30.3	-7.2	123.2	4.937	-1.280
10	-.010	.001	35.6	-4.9	121.9	6.536	-.965

EXCENTRICIDADES RESULTANTES CABEZA -.0401918367579 .292037271449
EXCENTRICIDADES 1 ORDEN CABEZA -.0401968826907 .292042657916

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-11.1	-27.2	135.4	-1.784	-4.047

1	-0.000	-0.000	-7.1	-25.0	134.0	-1.078	-3.507
2	-.001	-0.000	-3.0	-22.9	132.7	-.423	-3.052
3	-.001	-0.000	1.4	-20.7	131.3	.186	-2.693
4	-.002	-.001	5.8	-18.5	130.0	.779	-2.413
5	-.003	-.001	10.5	-16.3	128.6	1.402	-2.154
6	-.004	-.001	15.2	-14.0	127.3	2.072	-1.914
7	-.005	-0.000	20.1	-11.8	125.9	2.817	-1.702
8	-.007	-0.000	25.2	-9.5	124.6	3.717	-1.514
9	-.008	0.000	30.3	-7.2	123.2	4.951	-1.283
10	-.010	.001	35.6	-4.9	121.9	6.565	-.969

EXCENTRICIDADES RESULTANTES CABEZA -.0401953079858 .292040789967
EXCENTRICIDADES 1 ORDEN CABEZA -.0401968826907 .292042657916

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-11.1	-27.2	135.4	-1.784	-4.047
1	-0.000	-0.000	-7.1	-25.0	134.0	-1.077	-3.507
2	-.001	-0.000	-3.0	-22.9	132.7	-.423	-3.052
3	-.001	-0.000	1.4	-20.7	131.3	.186	-2.693
4	-.002	-.001	5.8	-18.5	130.0	.779	-2.413
5	-.003	-.001	10.5	-16.3	128.6	1.403	-2.154
6	-.004	-.001	15.2	-14.0	127.3	2.072	-1.914
7	-.005	-0.000	20.1	-11.8	125.9	2.818	-1.702
8	-.007	-0.000	25.2	-9.5	124.6	3.720	-1.515
9	-.008	0.000	30.3	-7.2	123.2	4.957	-1.284
10	-.010	.001	35.6	-4.9	121.9	6.578	-.970

EXCENTRICIDADES RESULTANTES CABEZA -.0401961862275 .292041649712
EXCENTRICIDADES 1 ORDEN CABEZA -.0401968826907 .292042657916
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 6 TANTEO 0

Fpx= -1.29 t Fpy= 5.4 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	32.0	-10.9	158.4	4.713	-1.742
1	-0.000	0.000	28.9	-9.8	157.0	4.292	-1.576
2	-0.000	.001	25.6	-8.7	155.7	3.689	-1.348
3	-.001	.001	22.1	-7.5	154.3	3.054	-1.106
4	-.001	.002	18.4	-6.4	153.0	2.448	-.879
5	-.001	.003	14.5	-5.2	151.6	1.888	-.686
6	-.002	.005	10.5	-4.1	150.3	1.357	-.530
7	-.002	.006	6.3	-2.9	148.9	.812	-.380
8	-.003	.007	1.9	-1.8	147.6	.248	-.230
9	-.003	.009	-2.6	-.6	146.2	-.335	-.230
10	-.004	.010	-7.3	.5	144.9	-.938	-.230

EXCENTRICIDADES RESULTANTES CABEZA .00375606575639 -.0500702601864
EXCENTRICIDADES 1 ORDEN CABEZA 0 -.04

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	33.7	-11.5	158.4	4.985	-1.846
1	-0.000	0.000	30.5	-10.4	157.0	4.391	-1.611
2	-0.000	.001	27.2	-9.3	155.7	3.755	-1.355
3	-.001	.001	23.7	-8.1	154.3	3.148	-1.114
4	-.001	.002	19.9	-7.0	153.0	2.595	-.912
5	-.001	.004	16.1	-5.8	151.6	2.080	-.754
6	-.002	.005	12.0	-4.7	150.3	1.553	-.604
7	-.002	.006	7.8	-3.5	148.9	1.005	-.452
8	-.003	.008	3.4	-2.3	147.6	.436	-.301
9	-.003	.009	-1.2	-1.2	146.2	-.152	-.149
10	-.004	.011	-5.9	0.0	144.9	-.759	-.149

EXCENTRICIDADES RESULTANTES CABEZA .000145376842088 -.0405097971262
EXCENTRICIDADES 1 ORDEN CABEZA 0 -.04

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	33.6	-11.4	158.4	5.081	-1.884

1	-0.000	0.000	30.5	-10.4	157.0	4.419	-1.623
2	-0.000	.001	27.2	-9.2	155.7	3.767	-1.362
3	-.001	.001	23.7	-8.1	154.3	3.160	-1.122
4	-.001	.002	20.0	-7.0	153.0	2.604	-.919
5	-.001	.004	16.1	-5.8	151.6	2.082	-.754
6	-.002	.005	12.0	-4.7	150.3	1.556	-.604
7	-.002	.006	7.8	-3.5	148.9	1.009	-.453
8	-.003	.008	3.4	-2.3	147.6	.442	-.302
9	-.003	.009	-1.1	-1.2	146.2	-.145	-.151
10	-.004	.011	-5.8	0.0	144.9	-.750	-.151

EXCENTRICIDADES RESULTANTES CABEZA 3.30190322606E-5 -.0400714323176
EXCENTRICIDADES 1 ORDEN CABEZA 0 -.04

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	33.6	-11.5	158.4	5.118	-1.900
1	-0.000	0.000	30.5	-10.4	157.0	4.429	-1.628
2	-0.000	.001	27.2	-9.2	155.7	3.770	-1.364
3	-.001	.001	23.7	-8.1	154.3	3.163	-1.124
4	-.001	.002	20.0	-7.0	153.0	2.606	-.920
5	-.001	.004	16.1	-5.8	151.6	2.083	-.755
6	-.002	.005	12.0	-4.7	150.3	1.557	-.604
7	-.002	.006	7.8	-3.5	148.9	1.010	-.453
8	-.003	.008	3.4	-2.3	147.6	.443	-.302
9	-.003	.009	-1.1	-1.2	146.2	-.144	-.151
10	-.004	.011	-5.8	0.0	144.9	-.750	-.151

EXCENTRICIDADES RESULTANTES CABEZA 1.14512359405E-5 -.040025053396
EXCENTRICIDADES 1 ORDEN CABEZA 0 -.04

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	33.6	-11.5	158.4	5.133	-1.906
1	-0.000	0.000	30.5	-10.4	157.0	4.432	-1.629
2	-0.000	.001	27.2	-9.2	155.7	3.772	-1.365
3	-.001	.001	23.7	-8.1	154.3	3.164	-1.125
4	-.001	.002	20.0	-7.0	153.0	2.607	-.920
5	-.001	.004	16.1	-5.8	151.6	2.083	-.755
6	-.002	.005	12.0	-4.7	150.3	1.557	-.604
7	-.002	.006	7.8	-3.5	148.9	1.010	-.454
8	-.003	.008	3.4	-2.3	147.6	.443	-.302
9	-.003	.009	-1.1	-1.2	146.2	-.144	-.151
10	-.004	.011	-5.8	0.0	144.9	-.749	-.151

EXCENTRICIDADES RESULTANTES CABEZA 4.01429538624E-6 -.0400092839535
EXCENTRICIDADES 1 ORDEN CABEZA 0 -.04

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	33.6	-11.5	158.4	5.138	-1.907
1	-0.000	0.000	30.5	-10.4	157.0	4.433	-1.630
2	-0.000	.001	27.2	-9.2	155.7	3.772	-1.365
3	-.001	.001	23.7	-8.1	154.3	3.165	-1.125
4	-.001	.002	20.0	-7.0	153.0	2.607	-.921
5	-.001	.004	16.1	-5.8	151.6	2.084	-.755
6	-.002	.005	12.0	-4.7	150.3	1.558	-.604
7	-.002	.006	7.8	-3.5	148.9	1.011	-.454
8	-.003	.008	3.4	-2.3	147.6	.443	-.303
9	-.003	.009	-1.1	-1.2	146.2	-.144	-.151
10	-.004	.011	-5.8	0.0	144.9	-.749	-.151

EXCENTRICIDADES RESULTANTES CABEZA 1.28640950118E-6 -.0400029841512
EXCENTRICIDADES 1 ORDEN CABEZA 0 -.04
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 7 TANTEO 0

Fpx= -5.8 t Fpy= -9.3 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-32.8	-66.5	163.7	-6.943	-13.455
1	-0.000	-0.000	-25.4	-61.6	162.3	-6.048	-14.452
2	-.002	-.001	-17.9	-56.5	161.0	-4.335	-13.521
3	-.004	-.002	-10.3	-51.2	159.6	-2.426	-11.827
4	-.008	-.003	-2.6	-45.8	158.3	-.583	-9.925
5	-.012	-.004	5.1	-40.3	156.9	1.092	-8.055
6	-.016	-.005	12.9	-34.8	155.6	2.554	-6.354
7	-.021	-.006	20.7	-29.1	154.2	3.789	-4.926
8	-.027	-.007	28.5	-23.5	152.9	4.842	-3.862
9	-.032	-.007	36.3	-17.8	151.5	5.990	-3.018
10	-.038	-.007	44.0	-12.0	150.2	7.455	-2.184

EXCENTRICIDADES RESULTANTES CABEZA -.0801218442652 .293270103311
EXCENTRICIDADES 1 ORDEN CABEZA -.117842876165 .286284953395

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-34.0	-72.9	163.7	-8.076	-17.049
1	-.001	-0.000	-26.6	-67.9	162.3	-6.428	-16.197
2	-.002	-.001	-19.0	-62.6	161.0	-4.486	-14.421
3	-.005	-.002	-11.4	-57.3	159.6	-2.563	-12.365
4	-.009	-.003	-3.7	-51.8	158.3	-.781	-10.305
5	-.013	-.005	4.1	-46.1	156.9	.804	-8.407
6	-.018	-.006	11.9	-40.4	155.6	2.167	-6.818
7	-.024	-.007	19.7	-34.7	154.2	3.338	-5.690
8	-.029	-.008	27.5	-28.9	152.9	4.535	-4.886
9	-.036	-.008	35.4	-23.0	151.5	5.966	-4.158
10	-.042	-.008	43.2	-17.1	150.2	7.820	-3.338

EXCENTRICIDADES RESULTANTES CABEZA -.113881858143 .287517599669
EXCENTRICIDADES 1 ORDEN CABEZA -.117842876165 .286284953395

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-34.1	-73.1	163.7	-8.728	-18.745
1	-.001	-0.000	-26.7	-68.1	162.3	-6.691	-16.995
2	-.003	-.001	-19.1	-62.9	161.0	-4.609	-14.870
3	-.005	-.002	-11.5	-57.5	159.6	-2.630	-12.670
4	-.009	-.003	-3.8	-52.0	158.3	-.818	-10.541
5	-.014	-.005	4.0	-46.4	156.9	.792	-8.613
6	-.019	-.006	11.8	-40.8	155.6	2.197	-7.012
7	-.025	-.007	19.6	-35.0	154.2	3.467	-5.831
8	-.031	-.008	27.4	-29.2	152.9	4.727	-4.983
9	-.037	-.009	35.3	-23.3	151.5	6.171	-4.268
10	-.044	-.009	43.1	-17.4	150.2	8.097	-3.484

EXCENTRICIDADES RESULTANTES CABEZA -.116050533767 .286727075567
EXCENTRICIDADES 1 ORDEN CABEZA -.117842876165 .286284953395

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-34.1	-73.3	163.7	-9.004	-19.509
1	-.001	-0.000	-26.7	-68.3	162.3	-6.807	-17.385
2	-.003	-.001	-19.2	-63.1	161.0	-4.669	-15.122
3	-.006	-.002	-11.6	-57.8	159.6	-2.664	-12.858
4	-.010	-.004	-3.9	-52.3	158.3	-.835	-10.697
5	-.014	-.005	3.9	-46.7	156.9	.789	-8.747
6	-.019	-.006	11.7	-41.0	155.6	2.211	-7.130
7	-.025	-.007	19.5	-35.2	154.2	3.495	-5.929
8	-.031	-.008	27.4	-29.4	152.9	4.769	-5.077
9	-.038	-.009	35.2	-23.5	151.5	6.245	-4.352
10	-.045	-.009	43.0	-17.6	150.2	8.222	-3.556

EXCENTRICIDADES RESULTANTES CABEZA -.116901512458 .286494075327
EXCENTRICIDADES 1 ORDEN CABEZA -.117842876165 .286284953395

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-34.2	-73.5	163.7	-9.121	-19.837
1	-.001	-0.000	-26.8	-68.5	162.3	-6.862	-17.576
2	-.003	-.001	-19.2	-63.3	161.0	-4.701	-15.259
3	-.006	-.002	-11.6	-57.9	159.6	-2.683	-12.970
4	-.010	-.004	-3.9	-52.4	158.3	-.845	-10.792
5	-.014	-.005	3.9	-46.8	156.9	.788	-8.830
6	-.020	-.006	11.7	-41.1	155.6	2.221	-7.200
7	-.025	-.008	19.5	-35.3	154.2	3.514	-5.981
8	-.032	-.008	27.4	-29.4	152.9	4.796	-5.118

9	-.038	-.009	35.2	-23.6	151.5	6.280	-4.389
10	-.045	-.009	43.0	-17.6	150.2	8.278	-3.590

EXCENTRICIDADES RESULTANTES CABEZA -.117363465047 .286380890478
EXCENTRICIDADES 1 ORDEN CABEZA -.117842876165 .286284953395

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-34.2	-73.5	163.7	-9.171	-19.980
1	-.001	-0.000	-26.8	-68.5	162.3	-6.889	-17.668
2	-.003	-.001	-19.2	-63.3	161.0	-4.717	-15.332
3	-.006	-.002	-11.6	-58.0	159.6	-2.693	-13.033
4	-.010	-.004	-3.9	-52.5	158.3	-.850	-10.848
5	-.014	-.005	3.9	-46.8	156.9	.789	-8.879
6	-.020	-.006	11.7	-41.1	155.6	2.227	-7.239
7	-.026	-.008	19.5	-35.3	154.2	3.524	-6.009
8	-.032	-.008	27.4	-29.5	152.9	4.808	-5.139
9	-.039	-.009	35.2	-23.6	151.5	6.296	-4.407
10	-.046	-.009	43.0	-17.7	150.2	8.304	-3.607

EXCENTRICIDADES RESULTANTES CABEZA -.117598385738 .286329447576
EXCENTRICIDADES 1 ORDEN CABEZA -.117842876165 .286284953395

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-34.2	-73.6	163.7	-9.192	-20.042
1	-.001	-0.000	-26.8	-68.6	162.3	-6.902	-17.713
2	-.003	-.001	-19.3	-63.4	161.0	-4.726	-15.370
3	-.006	-.002	-11.6	-58.0	159.6	-2.699	-13.068
4	-.010	-.004	-3.9	-52.5	158.3	-.853	-10.880
5	-.014	-.005	3.9	-46.9	156.9	.789	-8.907
6	-.020	-.006	11.7	-41.1	155.6	2.231	-7.261
7	-.026	-.008	19.5	-35.4	154.2	3.529	-6.023
8	-.032	-.008	27.3	-29.5	152.9	4.815	-5.150
9	-.039	-.009	35.2	-23.6	151.5	6.304	-4.416
10	-.046	-.009	43.0	-17.7	150.2	8.315	-3.615

EXCENTRICIDADES RESULTANTES CABEZA -.117718254116 .28630565016
EXCENTRICIDADES 1 ORDEN CABEZA -.117842876165 .286284953395

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-34.2	-73.6	163.7	-9.202	-20.070
1	-.001	-0.000	-26.8	-68.6	162.3	-6.908	-17.735
2	-.003	-.001	-19.3	-63.4	161.0	-4.730	-15.390
3	-.006	-.002	-11.6	-58.0	159.6	-2.702	-13.087
4	-.010	-.004	-3.9	-52.5	158.3	-.854	-10.898
5	-.014	-.005	3.9	-46.9	156.9	.790	-8.923
6	-.020	-.006	11.7	-41.2	155.6	2.233	-7.273
7	-.026	-.008	19.5	-35.4	154.2	3.531	-6.029
8	-.032	-.008	27.3	-29.5	152.9	4.817	-5.154
9	-.039	-.009	35.2	-23.6	151.5	6.306	-4.419
10	-.046	-.009	43.0	-17.7	150.2	8.317	-3.617

EXCENTRICIDADES RESULTANTES CABEZA -.117779885527 .286295198035
EXCENTRICIDADES 1 ORDEN CABEZA -.117842876165 .286284953395
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 8 TANTEO 0

Fpx= -6.2 t Fpy= -5.7 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-16.9	-72.5	170.6	-3.591	-14.543
1	-.001	-0.000	-12.0	-66.8	169.2	-2.863	-15.463
2	-.002	-0.000	-7.2	-60.9	167.9	-1.743	-14.459
3	-.005	-.001	-2.3	-54.9	166.5	-.551	-12.669
4	-.008	-.001	2.6	-48.8	165.2	.581	-10.650
5	-.013	-.002	7.4	-42.7	163.8	1.594	-8.643
6	-.017	-.002	12.3	-36.5	162.5	2.459	-6.778
7	-.023	-.002	17.1	-30.3	161.1	3.155	-5.147
8	-.029	-.002	21.9	-24.0	159.8	3.675	-3.825

9	-.035	-.002	26.6	-17.9	158.4	4.148	-2.772
10	-.041	-.001	31.3	-11.7	157.1	4.697	-1.820

EXCENTRICIDADES RESULTANTES CABEZA -.0742389904808 .199227339784
EXCENTRICIDADES 1 ORDEN CABEZA -.114576702737 .19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-17.1	-79.6	170.6	-4.056	-18.370
1	-.001	-0.000	-12.3	-73.7	169.2	-2.970	-17.458
2	-.003	-0.000	-7.4	-67.8	167.9	-1.756	-15.589
3	-.006	-.001	-2.5	-61.7	166.5	-.576	-13.408
4	-.009	-.001	2.3	-55.4	165.2	.503	-11.194
5	-.014	-.002	7.2	-49.1	163.8	1.444	-9.104
6	-.020	-.002	12.1	-42.8	162.5	2.224	-7.256
7	-.025	-.003	16.9	-36.4	161.1	2.834	-5.778
8	-.032	-.003	21.7	-30.0	159.8	3.376	-4.651
9	-.038	-.002	26.5	-23.6	158.4	3.962	-3.679
10	-.045	-.002	31.2	-17.3	157.1	4.638	-2.790

EXCENTRICIDADES RESULTANTES CABEZA -.110104295258 .198490928891
EXCENTRICIDADES 1 ORDEN CABEZA -.114576702737 .19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-17.2	-79.8	170.6	-4.387	-20.279
1	-.001	-0.000	-12.3	-74.1	169.2	-3.104	-18.424
2	-.003	-.001	-7.5	-68.1	167.9	-1.816	-16.169
3	-.006	-.001	-2.6	-62.0	166.5	-.603	-13.822
4	-.010	-.002	2.3	-55.8	165.2	.497	-11.520
5	-.015	-.002	7.2	-49.5	163.8	1.458	-9.376
6	-.021	-.003	12.0	-43.2	162.5	2.267	-7.493
7	-.027	-.003	16.9	-36.8	161.1	2.941	-5.964
8	-.033	-.003	21.7	-30.4	159.8	3.529	-4.782
9	-.040	-.003	26.4	-24.0	158.4	4.122	-3.779
10	-.047	-.002	31.1	-17.7	157.1	4.785	-2.862

EXCENTRICIDADES RESULTANTES CABEZA -.112385825564 .198143348103
EXCENTRICIDADES 1 ORDEN CABEZA -.114576702737 .19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-17.2	-80.2	170.6	-4.530	-21.170
1	-.001	-0.000	-12.4	-74.4	169.2	-3.163	-18.909
2	-.003	-.001	-7.5	-68.4	167.9	-1.844	-16.498
3	-.006	-.001	-2.6	-62.3	166.5	-.614	-14.075
4	-.010	-.002	2.3	-56.1	165.2	.498	-11.731
5	-.015	-.002	7.1	-49.8	163.8	1.469	-9.554
6	-.021	-.003	12.0	-43.4	162.5	2.291	-7.642
7	-.027	-.003	16.8	-37.0	161.1	2.976	-6.082
8	-.034	-.003	21.6	-30.6	159.8	3.569	-4.877
9	-.041	-.003	26.4	-24.2	158.4	4.166	-3.859
10	-.049	-.002	31.1	-17.8	157.1	4.833	-2.924

EXCENTRICIDADES RESULTANTES CABEZA -.113403268883 .198044945047
EXCENTRICIDADES 1 ORDEN CABEZA -.114576702737 .19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-17.2	-80.3	170.6	-4.593	-21.567
1	-.001	-0.000	-12.4	-74.6	169.2	-3.192	-19.152
2	-.003	-.001	-7.5	-68.6	167.9	-1.858	-16.679
3	-.006	-.001	-2.6	-62.5	166.5	-.620	-14.225
4	-.010	-.002	2.2	-56.3	165.2	.498	-11.859
5	-.016	-.002	7.1	-49.9	163.8	1.477	-9.664
6	-.021	-.003	12.0	-43.6	162.5	2.306	-7.732
7	-.028	-.003	16.8	-37.2	161.1	2.997	-6.149
8	-.035	-.003	21.6	-30.7	159.8	3.593	-4.923
9	-.042	-.003	26.4	-24.3	158.4	4.191	-3.895
10	-.049	-.002	31.1	-17.9	157.1	4.856	-2.952

EXCENTRICIDADES RESULTANTES CABEZA -.113963018598 .197997780637
EXCENTRICIDADES 1 ORDEN CABEZA -.114576702737 .19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-17.2	-80.4	170.6	-4.621	-21.746
1	-.001	-0.000	-12.4	-74.6	169.2	-3.206	-19.273
2	-.003	-.001	-7.5	-68.7	167.9	-1.866	-16.777

3	-.006	-.001	-2.6	-62.6	166.5	-.623	-14.310
4	-.011	-.002	2.2	-56.3	165.2	.499	-11.935
5	-.016	-.002	7.1	-50.0	163.8	1.482	-9.729
6	-.022	-.003	12.0	-43.6	162.5	2.315	-7.785
7	-.028	-.003	16.8	-37.2	161.1	3.009	-6.186
8	-.035	-.003	21.6	-30.8	159.8	3.606	-4.948
9	-.042	-.003	26.4	-24.4	158.4	4.202	-3.913
10	-.050	-.002	31.1	-18.0	157.1	4.866	-2.965

EXCENTRICIDADES RESULTANTES CABEZA -.114256622666 .197977535268
EXCENTRICIDADES 1 ORDEN CABEZA -.114576702737 .19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-17.2	-80.5	170.6	-4.633	-21.827
1	-.001	-0.000	-12.4	-74.7	169.2	-3.213	-19.334
2	-.003	-.001	-7.5	-68.7	167.9	-1.870	-16.828
3	-.006	-.001	-2.6	-62.6	166.5	-.625	-14.357
4	-.011	-.002	2.2	-56.4	165.2	.500	-11.978
5	-.016	-.002	7.1	-50.1	163.8	1.486	-9.766
6	-.022	-.003	12.0	-43.7	162.5	2.321	-7.814
7	-.028	-.003	16.8	-37.3	161.1	3.016	-6.206
8	-.035	-.003	21.6	-30.8	159.8	3.612	-4.961
9	-.042	-.003	26.4	-24.4	158.4	4.208	-3.923
10	-.050	-.002	31.1	-18.0	157.1	4.870	-2.971

EXCENTRICIDADES RESULTANTES CABEZA -.114410039942 .197968928361
EXCENTRICIDADES 1 ORDEN CABEZA -.114576702737 .19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-17.2	-80.5	170.6	-4.638	-21.864
1	-.001	-0.000	-12.4	-74.7	169.2	-3.216	-19.364
2	-.003	-.001	-7.5	-68.8	167.9	-1.872	-16.856
3	-.006	-.001	-2.6	-62.6	166.5	-.626	-14.383
4	-.011	-.002	2.2	-56.4	165.2	.501	-12.002
5	-.016	-.002	7.1	-50.1	163.8	1.488	-9.787
6	-.022	-.003	12.0	-43.7	162.5	2.324	-7.831
7	-.028	-.003	16.8	-37.3	161.1	3.019	-6.217
8	-.035	-.003	21.6	-30.8	159.8	3.615	-4.967
9	-.042	-.003	26.4	-24.4	158.4	4.211	-3.927
10	-.050	-.002	31.1	-18.0	157.1	4.874	-2.975

EXCENTRICIDADES RESULTANTES CABEZA -.114490028529 .19796556793
EXCENTRICIDADES 1 ORDEN CABEZA -.114576702737 .19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-17.2	-80.5	170.6	-4.641	-21.882
1	-.001	-0.000	-12.4	-74.7	169.2	-3.218	-19.379
2	-.003	-.001	-7.5	-68.8	167.9	-1.873	-16.870
3	-.006	-.001	-2.6	-62.7	166.5	-.626	-14.397
4	-.011	-.002	2.2	-56.4	165.2	.501	-12.015
5	-.016	-.002	7.1	-50.1	163.8	1.489	-9.799
6	-.022	-.003	12.0	-43.7	162.5	2.326	-7.840
7	-.028	-.003	16.8	-37.3	161.1	3.021	-6.221
8	-.035	-.003	21.6	-30.9	159.8	3.617	-4.971
9	-.042	-.003	26.4	-24.4	158.4	4.212	-3.929
10	-.050	-.002	31.1	-18.0	157.1	4.875	-2.977

EXCENTRICIDADES RESULTANTES CABEZA -.114531596761 .197964092619
EXCENTRICIDADES 1 ORDEN CABEZA -.114576702737 .19796308084
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 9 TANTEO 0

Fpx= -5.8 t Fpy= -13 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-43.7	-80.5	231.3	-9.005	-15.591
1	-.001	-0.000	-32.7	-75.9	229.9	-7.535	-16.823
2	-.002	-.001	-21.5	-71.0	228.6	-5.067	-15.978

3	-.005	-.002	-10.3	-65.8	227.2	-2.371	-14.272
4	-.009	-.004	.9	-60.4	225.9	-2.371	-12.314
5	-.014	-.005	12.2	-54.7	224.5	2.535	-10.472
6	-.019	-.007	23.4	-48.8	223.2	4.595	-8.741
7	-.025	-.008	34.6	-42.8	221.8	6.404	-7.372
8	-.032	-.008	45.6	-36.6	220.5	8.118	-6.390
9	-.039	-.008	56.5	-30.3	219.1	10.066	-5.570
10	-.047	-.008	67.3	-23.8	217.8	12.471	-4.707

EXCENTRICIDADES RESULTANTES CABEZA -.109402050157 .309077025943
EXCENTRICIDADES 1 ORDEN CABEZA -.15564738292 .301652892562

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-45.4	-91.3	231.3	-10.467	-20.205
1	-.001	-0.000	-34.4	-86.7	229.9	-8.086	-19.462
2	-.003	-.001	-23.3	-81.7	228.6	-5.330	-17.663
3	-.006	-.003	-12.0	-76.3	227.2	-2.633	-15.530
4	-.011	-.004	-.7	-70.7	225.9	-2.633	-13.499
5	-.016	-.006	10.6	-64.8	224.5	2.075	-11.564
6	-.022	-.007	21.9	-58.6	223.2	4.045	-10.080
7	-.029	-.009	33.1	-52.3	221.8	5.879	-9.118
8	-.037	-.009	44.2	-45.8	220.5	7.858	-8.411
9	-.045	-.010	55.2	-39.2	219.1	10.209	-7.722
10	-.054	-.009	66.1	-32.4	217.8	13.112	-6.878

EXCENTRICIDADES RESULTANTES CABEZA -.14868302499 .303366082928
EXCENTRICIDADES 1 ORDEN CABEZA -.15564738292 .301652892562

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-45.8	-92.4	231.3	-11.536	-22.677
1	-.001	-0.000	-34.7	-87.8	229.9	-8.581	-20.921
2	-.003	-.001	-23.6	-82.7	228.6	-5.594	-18.689
3	-.007	-.003	-12.3	-77.4	227.2	-2.780	-16.367
4	-.011	-.004	-1.0	-71.7	225.9	-.216	-14.288
5	-.017	-.006	10.3	-65.8	224.5	2.093	-12.232
6	-.024	-.008	21.6	-59.6	223.2	4.194	-10.682
7	-.031	-.009	32.8	-53.2	221.8	6.221	-9.567
8	-.039	-.009	43.9	-46.7	220.5	8.300	-8.752
9	-.048	-.010	54.8	-40.0	219.1	10.655	-8.053
10	-.057	-.009	65.6	-33.1	217.8	13.613	-7.226

EXCENTRICIDADES RESULTANTES CABEZA -.151941788288 .301327558377
EXCENTRICIDADES 1 ORDEN CABEZA -.15564738292 .301652892562

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-45.7	-93.2	231.3	-11.989	-23.988
1	-.001	-0.000	-34.6	-88.5	229.9	-8.777	-21.758
2	-.003	-.001	-23.5	-83.5	228.6	-5.683	-19.335
3	-.007	-.003	-12.2	-78.1	227.2	-2.809	-16.918
4	-.012	-.005	-.9	-72.4	225.9	-2.809	-14.710
5	-.018	-.006	10.5	-66.4	224.5	2.170	-12.665
6	-.025	-.008	21.8	-60.2	223.2	4.330	-11.057
7	-.032	-.009	33.0	-53.8	221.8	6.395	-9.874
8	-.041	-.010	44.1	-47.2	220.5	8.508	-9.022
9	-.050	-.011	55.1	-40.4	219.1	10.916	-8.277
10	-.059	-.010	66.0	-33.4	217.8	13.935	-7.406

EXCENTRICIDADES RESULTANTES CABEZA -.153454416158 .302952056567
EXCENTRICIDADES 1 ORDEN CABEZA -.15564738292 .301652892562

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-46.0	-93.7	231.3	-12.304	-24.646
1	-.001	-0.000	-34.9	-89.0	229.9	-8.974	-22.226
2	-.003	-.002	-23.8	-84.0	228.6	-5.824	-19.723
3	-.007	-.003	-12.5	-78.5	227.2	-2.909	-17.264
4	-.012	-.005	-1.2	-72.8	225.9	-.259	-15.084
5	-.018	-.006	10.2	-66.8	224.5	2.135	-12.943
6	-.025	-.008	21.4	-60.6	223.2	4.321	-11.294
7	-.033	-.009	32.6	-54.1	221.8	6.406	-10.062
8	-.042	-.010	43.8	-47.4	220.5	8.534	-9.176
9	-.051	-.010	54.7	-40.6	219.1	10.956	-8.409
10	-.061	-.010	65.5	-33.6	217.8	13.991	-7.514

EXCENTRICIDADES RESULTANTES CABEZA -.15433119646 .300943013428
EXCENTRICIDADES 1 ORDEN CABEZA -.15564738292 .301652892562

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-45.8	-93.9	231.3	-12.373	-24.999
1	-.001	-0.000	-34.8	-89.3	229.9	-8.996	-22.499
2	-.003	-.002	-23.6	-84.2	228.6	-5.821	-19.962
3	-.007	-.003	-12.3	-78.8	227.2	-2.889	-17.482
4	-.012	-.005	-1.0	-73.1	225.9	-2.889	-15.217
5	-.019	-.007	10.4	-67.0	224.5	2.198	-13.113
6	-.026	-.008	21.7	-60.8	223.2	4.406	-11.430
7	-.034	-.010	32.9	-54.3	221.8	6.506	-10.157
8	-.042	-.011	44.1	-47.6	220.5	8.644	-9.242
9	-.052	-.011	55.1	-40.8	219.1	11.069	-8.460
10	-.062	-.011	65.9	-33.7	217.8	14.112	-7.557

EXCENTRICIDADES RESULTANTES CABEZA -.154916934774 .302704649856
EXCENTRICIDADES 1 ORDEN CABEZA -.15564738292 .301652892562

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-46.0	-94.1	231.3	-12.500	-25.171
1	-.001	-0.000	-35.0	-89.4	229.9	-9.098	-22.644
2	-.003	-.002	-23.8	-84.4	228.6	-5.906	-20.096
3	-.007	-.003	-12.5	-79.0	227.2	-2.958	-17.610
4	-.012	-.005	-1.2	-73.2	225.9	-.275	-15.399
5	-.019	-.006	10.1	-67.2	224.5	2.151	-13.218
6	-.026	-.008	21.4	-60.9	223.2	4.366	-11.518
7	-.034	-.009	32.6	-54.4	221.8	6.467	-10.227
8	-.043	-.010	43.7	-47.7	220.5	8.604	-9.301
9	-.052	-.010	54.7	-40.8	219.1	11.031	-8.508
10	-.062	-.010	65.5	-33.8	217.8	14.072	-7.594

EXCENTRICIDADES RESULTANTES CABEZA -.155189126581 .300780769556
EXCENTRICIDADES 1 ORDEN CABEZA -.15564738292 .301652892562

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-45.8	-94.2	231.3	-12.473	-25.275
1	-.001	-0.000	-34.8	-89.5	229.9	-9.064	-22.736
2	-.003	-.002	-23.6	-84.5	228.6	-5.868	-20.182
3	-.007	-.003	-12.3	-79.0	227.2	-2.917	-17.691
4	-.013	-.005	-1.0	-73.3	225.9	-.230	-15.402
5	-.019	-.006	10.3	-67.3	224.5	2.200	-13.280
6	-.026	-.008	21.6	-61.0	223.2	4.417	-11.563
7	-.034	-.009	32.8	-54.5	221.8	6.518	-10.253
8	-.043	-.010	43.9	-47.8	220.5	8.648	-9.310
9	-.052	-.010	54.9	-40.9	219.1	11.068	-8.515
10	-.062	-.010	65.7	-33.9	217.8	14.102	-7.601

EXCENTRICIDADES RESULTANTES CABEZA -.155420370631 .301509409419
EXCENTRICIDADES 1 ORDEN CABEZA -.15564738292 .301652892562

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-45.8	-94.2	231.3	-12.482	-25.319
1	-.001	-0.000	-34.8	-89.6	229.9	-9.068	-22.778
2	-.003	-.002	-23.6	-84.5	228.6	-5.870	-20.225
3	-.007	-.003	-12.3	-79.1	227.2	-2.916	-17.734
4	-.013	-.005	-1.0	-73.3	225.9	-2.916	-15.418
5	-.019	-.007	10.4	-67.3	224.5	2.219	-13.318
6	-.026	-.008	21.7	-61.0	223.2	4.447	-11.595
7	-.034	-.010	32.9	-54.5	221.8	6.557	-10.278
8	-.043	-.011	44.1	-47.8	220.5	8.697	-9.332
9	-.052	-.011	55.1	-40.9	219.1	11.126	-8.530
10	-.062	-.011	65.9	-33.9	217.8	14.166	-7.609

EXCENTRICIDADES RESULTANTES CABEZA -.155520913297 .302764308095
EXCENTRICIDADES 1 ORDEN CABEZA -.15564738292 .301652892562

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-46.1	-94.3	231.3	-12.560	-25.342
1	-.001	-0.000	-35.0	-89.6	229.9	-9.142	-22.801
2	-.003	-.002	-23.8	-84.6	228.6	-5.938	-20.249
3	-.007	-.003	-12.6	-79.1	227.2	-2.978	-17.758
4	-.013	-.005	-1.2	-73.4	225.9	-.280	-15.523
5	-.019	-.007	10.1	-67.3	224.5	2.161	-13.341
6	-.026	-.008	21.4	-61.0	223.2	4.387	-11.615
7	-.034	-.009	32.6	-54.5	221.8	6.495	-10.297
8	-.043	-.010	43.7	-47.8	220.5	8.633	-9.351
9	-.052	-.010	54.7	-40.9	219.1	11.060	-8.547
10	-.062	-.010	65.5	-33.9	217.8	14.099	-7.623

EXCENTRICIDADES RESULTANTES CABEZA -.155533027879 .300742954331
EXCENTRICIDADES 1 ORDEN CABEZA -.15564738292 .301652892562

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-45.8	-94.3	231.3	-12.505	-25.369
1	-.001	-0.000	-34.8	-89.6	229.9	-9.088	-22.825
2	-.003	-.002	-23.6	-84.6	228.6	-5.887	-20.270
3	-.007	-.003	-12.4	-79.1	227.2	-2.928	-17.777
4	-.013	-.005	-1.0	-73.4	225.9	-.233	-15.483
5	-.019	-.006	10.3	-67.3	224.5	2.205	-13.348
6	-.026	-.008	21.6	-61.1	223.2	4.429	-11.619
7	-.034	-.009	32.8	-54.5	221.8	6.534	-10.295
8	-.043	-.010	43.9	-47.8	220.5	8.668	-9.342
9	-.052	-.010	54.9	-40.9	219.1	11.083	-8.535
10	-.062	-.010	65.7	-33.9	217.8	14.112	-7.615

EXCENTRICIDADES RESULTANTES CABEZA -.155616313979 .301483086806
EXCENTRICIDADES 1 ORDEN CABEZA -.15564738292 .301652892562

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-45.8	-94.3	231.3	-12.498	-25.368
1	-.001	-0.000	-34.8	-89.6	229.9	-9.082	-22.826
2	-.003	-.002	-23.6	-84.6	228.6	-5.880	-20.272
3	-.007	-.003	-12.3	-79.2	227.2	-2.922	-17.780
4	-.013	-.005	-1.0	-73.4	225.9	-.226	-15.466
5	-.019	-.006	10.3	-67.3	224.5	2.213	-13.359
6	-.026	-.008	21.6	-61.1	223.2	4.436	-11.624
7	-.034	-.009	32.8	-54.5	221.8	6.541	-10.302
8	-.043	-.010	43.9	-47.8	220.5	8.675	-9.350
9	-.052	-.010	54.9	-41.0	219.1	11.090	-8.540
10	-.062	-.010	65.7	-33.9	217.8	14.120	-7.618

EXCENTRICIDADES RESULTANTES CABEZA -.155644040354 .301628258565
EXCENTRICIDADES 1 ORDEN CABEZA -.15564738292 .301652892562

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-45.8	-94.3	231.3	-12.497	-25.367
1	-.001	-0.000	-34.8	-89.6	229.9	-9.081	-22.825
2	-.003	-.002	-23.6	-84.6	228.6	-5.879	-20.272
3	-.007	-.003	-12.3	-79.2	227.2	-2.921	-17.781
4	-.013	-.005	-1.0	-73.4	225.9	-2.921	-15.463
5	-.019	-.007	10.4	-67.4	224.5	2.223	-13.362
6	-.026	-.008	21.7	-61.1	223.2	4.456	-11.631
7	-.034	-.010	32.9	-54.5	221.8	6.568	-10.304
8	-.043	-.011	44.1	-47.8	220.5	8.710	-9.351
9	-.052	-.011	55.1	-41.0	219.1	11.134	-8.541
10	-.062	-.011	65.9	-33.9	217.8	14.175	-7.619

EXCENTRICIDADES RESULTANTES CABEZA -.155645212751 .302771231597
EXCENTRICIDADES 1 ORDEN CABEZA -.15564738292 .301652892562

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-46.1	-94.3	231.3	-12.569	-25.367
1	-.001	-0.000	-35.0	-89.6	229.9	-9.149	-22.825
2	-.003	-.002	-23.8	-84.6	228.6	-5.943	-20.272
3	-.007	-.003	-12.6	-79.2	227.2	-2.981	-17.781
4	-.013	-.005	-1.2	-73.4	225.9	-.281	-15.549
5	-.019	-.007	10.1	-67.3	224.5	2.163	-13.363
6	-.026	-.008	21.4	-61.1	223.2	4.391	-11.634
7	-.034	-.009	32.6	-54.5	221.8	6.500	-10.312
8	-.043	-.010	43.7	-47.8	220.5	8.640	-9.362
9	-.052	-.010	54.7	-40.9	219.1	11.065	-8.553
10	-.063	-.010	65.5	-33.9	217.8	14.103	-7.628

EXCENTRICIDADES RESULTANTES CABEZA -.155605586589 .300736435458
EXCENTRICIDADES 1 ORDEN CABEZA -.15564738292 .301652892562

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-45.8	-94.3	231.3	-12.508	-25.375
1	-.001	-0.000	-34.8	-89.7	229.9	-9.090	-22.832
2	-.003	-.002	-23.6	-84.6	228.6	-5.888	-20.278
3	-.007	-.003	-12.4	-79.2	227.2	-2.929	-17.785
4	-.013	-.005	-1.0	-73.4	225.9	-.233	-15.498
5	-.019	-.006	10.3	-67.4	224.5	2.206	-13.363
6	-.026	-.008	21.6	-61.1	223.2	4.432	-11.631
7	-.034	-.009	32.8	-54.6	221.8	6.538	-10.305
8	-.043	-.010	43.9	-47.8	220.5	8.670	-9.346
9	-.052	-.010	54.9	-41.0	219.1	11.085	-8.540
10	-.062	-.010	65.7	-33.9	217.8	14.114	-7.619

EXCENTRICIDADES RESULTANTES CABEZA -.155662489737 .301476917512
EXCENTRICIDADES 1 ORDEN CABEZA -.15564738292 .301652892562

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-45.8	-94.3	231.3	-12.499	-25.370
1	-.001	-0.000	-34.8	-89.7	229.9	-9.082	-22.828
2	-.003	-.002	-23.6	-84.6	228.6	-5.880	-20.275
3	-.007	-.003	-12.3	-79.2	227.2	-2.922	-17.783
4	-.013	-.005	-1.0	-73.4	225.9	-.226	-15.474
5	-.019	-.006	10.3	-67.4	224.5	2.213	-13.364
6	-.026	-.008	21.6	-61.1	223.2	4.438	-11.633
7	-.034	-.009	32.8	-54.6	221.8	6.545	-10.309
8	-.043	-.010	43.9	-47.8	220.5	8.675	-9.350
9	-.052	-.010	54.9	-41.0	219.1	11.092	-8.542
10	-.062	-.010	65.7	-33.9	217.8	14.122	-7.620

EXCENTRICIDADES RESULTANTES CABEZA -.155661669254 .301626133362
EXCENTRICIDADES 1 ORDEN CABEZA -.15564738292 .301652892562

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-45.8	-94.3	231.3	-12.497	-25.368
1	-.001	-0.000	-34.8	-89.6	229.9	-9.081	-22.826
2	-.003	-.002	-23.6	-84.6	228.6	-5.879	-20.273
3	-.007	-.003	-12.3	-79.2	227.2	-2.921	-17.782
4	-.013	-.005	-1.0	-73.4	225.9	-2.921	-15.467
5	-.019	-.007	10.4	-67.4	224.5	2.224	-13.363
6	-.026	-.008	21.7	-61.1	223.2	4.457	-11.634
7	-.034	-.010	32.9	-54.5	221.8	6.571	-10.310
8	-.043	-.011	44.1	-47.8	220.5	8.710	-9.351
9	-.052	-.011	55.1	-41.0	219.1	11.136	-8.543
10	-.062	-.011	65.9	-33.9	217.8	14.176	-7.620

EXCENTRICIDADES RESULTANTES CABEZA -.155653112371 .302771153019
EXCENTRICIDADES 1 ORDEN CABEZA -.15564738292 .301652892562

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-46.1	-94.3	231.3	-12.569	-25.368
1	-.001	-0.000	-35.0	-89.6	229.9	-9.149	-22.826
2	-.003	-.002	-23.8	-84.6	228.6	-5.943	-20.273
3	-.007	-.003	-12.6	-79.2	227.2	-2.981	-17.781
4	-.013	-.005	-1.2	-73.4	225.9	-.281	-15.551
5	-.019	-.007	10.1	-67.4	224.5	2.163	-13.363
6	-.026	-.008	21.4	-61.1	223.2	4.392	-11.635
7	-.034	-.009	32.6	-54.5	221.8	6.501	-10.313
8	-.043	-.010	43.7	-47.8	220.5	8.640	-9.362
9	-.052	-.010	54.7	-40.9	219.1	11.066	-8.554
10	-.063	-.010	65.5	-33.9	217.8	14.104	-7.629

EXCENTRICIDADES RESULTANTES CABEZA -.155609494256 .300736978157
EXCENTRICIDADES 1 ORDEN CABEZA -.15564738292 .301652892562

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-45.8	-94.3	231.3	-12.508	-25.375
1	-.001	-0.000	-34.8	-89.7	229.9	-9.090	-22.832
2	-.003	-.002	-23.6	-84.6	228.6	-5.888	-20.278
3	-.007	-.003	-12.4	-79.2	227.2	-2.929	-17.785
4	-.013	-.005	-1.0	-73.4	225.9	-.233	-15.499
5	-.019	-.006	10.3	-67.4	224.5	2.206	-13.363
6	-.026	-.008	21.6	-61.1	223.2	4.432	-11.631
7	-.034	-.009	32.8	-54.6	221.8	6.539	-10.306
8	-.043	-.010	43.9	-47.8	220.5	8.670	-9.346
9	-.052	-.010	54.9	-41.0	219.1	11.086	-8.540
10	-.062	-.010	65.7	-33.9	217.8	14.114	-7.619

EXCENTRICIDADES RESULTANTES CABEZA -.155664078239 .301477172817
EXCENTRICIDADES 1 ORDEN CABEZA -.15564738292 .301652892562

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-45.8	-94.3	231.3	-12.499	-25.370
1	-.001	-0.000	-34.8	-89.7	229.9	-9.082	-22.828
2	-.003	-.002	-23.6	-84.6	228.6	-5.880	-20.275
3	-.007	-.003	-12.3	-79.2	227.2	-2.922	-17.783
4	-.013	-.005	-1.0	-73.4	225.9	-.226	-15.475
5	-.019	-.006	10.3	-67.4	224.5	2.213	-13.364
6	-.026	-.008	21.6	-61.1	223.2	4.438	-11.633
7	-.034	-.009	32.8	-54.6	221.8	6.545	-10.309
8	-.043	-.010	43.9	-47.8	220.5	8.675	-9.351
9	-.052	-.010	54.9	-41.0	219.1	11.092	-8.543
10	-.062	-.010	65.7	-33.9	217.8	14.122	-7.620

EXCENTRICIDADES RESULTANTES CABEZA -.155662324035 .301626214685
EXCENTRICIDADES 1 ORDEN CABEZA -.15564738292 .301652892562

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-45.8	-94.3	231.3	-12.497	-25.368
1	-.001	-0.000	-34.8	-89.6	229.9	-9.081	-22.826
2	-.003	-.002	-23.6	-84.6	228.6	-5.879	-20.273
3	-.007	-.003	-12.3	-79.2	227.2	-2.921	-17.782
4	-.013	-.005	-1.0	-73.4	225.9	-2.921	-15.467
5	-.019	-.007	10.4	-67.4	224.5	2.224	-13.363
6	-.026	-.008	21.7	-61.1	223.2	4.457	-11.634
7	-.034	-.010	32.9	-54.5	221.8	6.571	-10.310
8	-.043	-.011	44.1	-47.8	220.5	8.710	-9.351
9	-.052	-.011	55.1	-41.0	219.1	11.136	-8.543
10	-.062	-.011	65.9	-33.9	217.8	14.177	-7.620

EXCENTRICIDADES RESULTANTES CABEZA -.155653334899 .302771176078
EXCENTRICIDADES 1 ORDEN CABEZA -.15564738292 .301652892562
INESTABILIDAD DE PILA EN CONJUNTO

HIPOTESIS 10 TANTEO 0

Fpx= -6.2 t Fpy= -9.4 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-25.2	-88.7	238.2	-5.276	-17.135
1	-.001	-0.000	-17.2	-82.9	236.8	-4.014	-18.249
2	-.003	-.001	-9.2	-76.9	235.5	-2.191	-17.303
3	-.006	-.001	-1.2	-70.6	234.1	-.271	-15.465
4	-.010	-.002	6.9	-64.1	232.8	1.542	-13.342
5	-.015	-.002	14.9	-57.5	231.4	3.169	-11.230
6	-.021	-.003	22.9	-50.7	230.1	4.580	-9.289
7	-.028	-.003	30.8	-43.8	228.7	5.779	-7.622
8	-.035	-.002	38.6	-36.9	227.4	6.814	-6.290
9	-.042	-.001	46.3	-30.0	226.0	7.888	-5.163
10	-.050	0.000	53.9	-23.0	224.7	9.106	-4.099

EXCENTRICIDADES RESULTANTES CABEZA -.102318236263 .239746062197
EXCENTRICIDADES 1 ORDEN CABEZA -.15220293725 .239875389408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-25.2	-100.8	238.2	-5.856	-22.137
1	-.001	-0.000	-17.2	-94.9	236.8	-4.089	-21.316
2	-.003	-.001	-9.2	-88.7	235.5	-2.140	-19.389
3	-.007	-.001	-1.1	-82.2	234.1	-.254	-17.070
4	-.012	-.002	6.9	-75.5	232.8	1.469	-14.726
5	-.018	-.003	15.0	-68.6	231.4	2.988	-12.539
6	-.024	-.003	22.9	-61.5	230.1	4.299	-10.675

7	-.032	-.003	30.9	-54.4	228.7	5.438	-9.243
8	-.040	-.003	38.7	-47.1	227.4	6.580	-8.097
9	-.049	-.002	46.4	-39.8	226.0	7.830	-7.079
10	-.058	-0.000	54.0	-32.4	224.7	9.304	-6.060

EXCENTRICIDADES RESULTANTES CABEZA -.144329378701 .240374103956
EXCENTRICIDADES 1 ORDEN CABEZA -.15220293725 .239875389408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-25.3	-102.1	238.2	-6.440	-24.990
1	-.001	-0.000	-17.3	-96.2	236.8	-4.348	-23.093
2	-.003	-.001	-9.3	-90.0	235.5	-2.253	-20.679
3	-.007	-.001	-1.2	-83.5	234.1	-.285	-18.132
4	-.013	-.002	6.8	-76.8	232.8	1.506	-15.649
5	-.019	-.003	14.9	-69.8	231.4	3.099	-13.361
6	-.026	-.003	22.9	-62.7	230.1	4.512	-11.390
7	-.034	-.003	30.8	-55.4	228.7	5.803	-9.791
8	-.043	-.003	38.6	-48.1	227.4	7.028	-8.504
9	-.053	-.002	46.4	-40.7	226.0	8.300	-7.386
10	-.063	-.001	53.9	-33.2	224.7	9.743	-6.332

EXCENTRICIDADES RESULTANTES CABEZA -.147726960035 .240037593205
EXCENTRICIDADES 1 ORDEN CABEZA -.15220293725 .239875389408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-25.3	-103.1	238.2	-6.728	-26.545
1	-.001	-0.000	-17.4	-97.2	236.8	-4.479	-24.132
2	-.004	-.001	-9.3	-91.0	235.5	-2.313	-21.498
3	-.008	-.002	-1.3	-84.4	234.1	-.296	-18.834
4	-.013	-.002	6.8	-77.6	232.8	1.536	-16.267
5	-.020	-.003	14.9	-70.6	231.4	3.171	-13.906
6	-.028	-.003	22.9	-63.4	230.1	4.624	-11.851
7	-.036	-.003	30.8	-56.1	228.7	5.941	-10.161
8	-.045	-.003	38.6	-48.7	227.4	7.180	-8.809
9	-.055	-.002	46.3	-41.2	226.0	8.464	-7.641
10	-.065	-.001	53.9	-33.6	224.7	9.930	-6.528

EXCENTRICIDADES RESULTANTES CABEZA -.149455437471 .239967922244
EXCENTRICIDADES 1 ORDEN CABEZA -.15220293725 .239875389408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-25.3	-103.7	238.2	-6.876	-27.364
1	-.001	-0.000	-17.4	-97.8	236.8	-4.554	-24.737
2	-.004	-.001	-9.3	-91.6	235.5	-2.349	-22.005
3	-.008	-.002	-1.3	-85.0	234.1	-.304	-19.284
4	-.014	-.002	6.8	-78.2	232.8	1.555	-16.669
5	-.020	-.003	14.9	-71.1	231.4	3.216	-14.257
6	-.028	-.003	22.9	-63.9	230.1	4.693	-12.142
7	-.037	-.003	30.8	-56.5	228.7	6.026	-10.384
8	-.046	-.003	38.6	-49.0	227.4	7.276	-8.976
9	-.056	-.002	46.3	-41.5	226.0	8.561	-7.772
10	-.067	-.001	53.9	-33.8	224.7	10.026	-6.631

EXCENTRICIDADES RESULTANTES CABEZA -.150561527427 .239917183833
EXCENTRICIDADES 1 ORDEN CABEZA -.15220293725 .239875389408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-25.4	-104.0	238.2	-6.952	-27.800
1	-.001	-0.000	-17.4	-98.2	236.8	-4.596	-25.085
2	-.004	-.001	-9.4	-91.9	235.5	-2.370	-22.312
3	-.008	-.002	-1.3	-85.3	234.1	-.308	-19.564
4	-.014	-.002	6.8	-78.5	232.8	1.568	-16.922
5	-.021	-.003	14.9	-71.4	231.4	3.246	-14.479
6	-.029	-.003	22.9	-64.1	230.1	4.736	-12.323
7	-.037	-.003	30.8	-56.7	228.7	6.077	-10.519
8	-.047	-.003	38.6	-49.2	227.4	7.329	-9.074
9	-.057	-.002	46.3	-41.6	226.0	8.612	-7.847
10	-.068	-.001	53.9	-34.0	224.7	10.076	-6.688

EXCENTRICIDADES RESULTANTES CABEZA -.151229484349 .239892866113
EXCENTRICIDADES 1 ORDEN CABEZA -.15220293725 .239875389408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-25.4	-104.3	238.2	-6.991	-28.035

1	-.001	-0.000	-17.4	-98.4	236.8	-4.619	-25.285
2	-.004	-.001	-9.4	-92.1	235.5	-2.382	-22.496
3	-.008	-.002	-1.3	-85.5	234.1	-.310	-19.735
4	-.014	-.002	6.8	-78.7	232.8	1.576	-17.079
5	-.021	-.003	14.9	-71.6	231.4	3.264	-14.616
6	-.029	-.003	22.9	-64.3	230.1	4.763	-12.434
7	-.038	-.003	30.8	-56.9	228.7	6.107	-10.601
8	-.047	-.003	38.6	-49.4	227.4	7.360	-9.132
9	-.058	-.002	46.3	-41.8	226.0	8.641	-7.891
10	-.069	-.001	53.9	-34.1	224.7	10.102	-6.720

EXCENTRICIDADES RESULTANTES CABEZA -.151628795282 .239881673366
EXCENTRICIDADES 1 ORDEN CABEZA -.15220293725 .239875389408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-25.4	-104.4	238.2	-7.012	-28.163
1	-.001	-0.000	-17.4	-98.5	236.8	-4.632	-25.401
2	-.004	-.001	-9.4	-92.2	235.5	-2.389	-22.605
3	-.008	-.002	-1.3	-85.6	234.1	-.311	-19.839
4	-.014	-.002	6.8	-78.8	232.8	1.581	-17.175
5	-.021	-.003	14.9	-71.7	231.4	3.276	-14.699
6	-.029	-.003	22.9	-64.4	230.1	4.779	-12.501
7	-.038	-.004	30.8	-57.0	228.7	6.126	-10.650
8	-.048	-.003	38.6	-49.4	227.4	7.378	-9.166
9	-.058	-.002	46.3	-41.8	226.0	8.657	-7.916
10	-.069	-.001	53.9	-34.1	224.7	10.117	-6.739

EXCENTRICIDADES RESULTANTES CABEZA -.151865128538 .239877070183
EXCENTRICIDADES 1 ORDEN CABEZA -.15220293725 .239875389408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-25.4	-104.5	238.2	-7.023	-28.234
1	-.001	-0.000	-17.4	-98.6	236.8	-4.639	-25.467
2	-.004	-.001	-9.4	-92.3	235.5	-2.393	-22.670
3	-.008	-.002	-1.3	-85.7	234.1	-.312	-19.901
4	-.014	-.002	6.8	-78.8	232.8	1.584	-17.232
5	-.021	-.003	14.9	-71.7	231.4	3.283	-14.750
6	-.029	-.003	22.9	-64.5	230.1	4.789	-12.542
7	-.038	-.004	30.8	-57.0	228.7	6.137	-10.679
8	-.048	-.003	38.6	-49.5	227.4	7.389	-9.186
9	-.058	-.002	46.3	-41.9	226.0	8.667	-7.930
10	-.069	-.001	53.9	-34.2	224.7	10.122	-6.747

EXCENTRICIDADES RESULTANTES CABEZA -.15200440191 .239875410187
EXCENTRICIDADES 1 ORDEN CABEZA -.15220293725 .239875389408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-25.4	-104.5	238.2	-7.029	-28.274
1	-.001	-0.000	-17.4	-98.6	236.8	-4.644	-25.506
2	-.004	-.001	-9.4	-92.4	235.5	-2.396	-22.708
3	-.008	-.002	-1.3	-85.8	234.1	-.312	-19.937
4	-.014	-.002	6.8	-78.9	232.8	1.586	-17.267
5	-.021	-.003	14.9	-71.8	231.4	3.287	-14.780
6	-.029	-.003	22.9	-64.5	230.1	4.795	-12.566
7	-.038	-.004	30.8	-57.1	228.7	6.143	-10.697
8	-.048	-.003	38.6	-49.5	227.4	7.393	-9.195
9	-.058	-.002	46.3	-41.9	226.0	8.670	-7.937
10	-.069	-.001	53.9	-34.2	224.7	10.128	-6.755

EXCENTRICIDADES RESULTANTES CABEZA -.15208678375 .239875365876
EXCENTRICIDADES 1 ORDEN CABEZA -.15220293725 .239875389408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-25.4	-104.5	238.2	-7.032	-28.297
1	-.001	-0.000	-17.4	-98.6	236.8	-4.646	-25.529
2	-.004	-.001	-9.4	-92.4	235.5	-2.397	-22.730
3	-.008	-.002	-1.3	-85.8	234.1	-.312	-19.959
4	-.014	-.002	6.8	-78.9	232.8	1.588	-17.287
5	-.021	-.003	14.9	-71.8	231.4	3.289	-14.798
6	-.029	-.003	22.9	-64.5	230.1	4.797	-12.576
7	-.038	-.004	30.8	-57.1	228.7	6.146	-10.704
8	-.048	-.003	38.6	-49.5	227.4	7.398	-9.204

9	-.058	-.002	46.3	-41.9	226.0	8.672	-7.941
10	-.069	-.001	53.9	-34.2	224.7	10.130	-6.758

EXCENTRICIDADES RESULTANTES CABEZA -.152136353656 .239875610532
EXCENTRICIDADES 1 ORDEN CABEZA -.15220293725 .239875389408
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 11 TANTEO 0

Fpx= 2.9 t Fpy= -9.4 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-25.2	.6	238.2	-3.359	.086
1	0.000	-0.000	-17.2	-2.3	236.8	-2.299	-.305
2	-0.000	-0.000	-9.3	-5.1	235.5	-1.235	-.681
3	-0.000	-.001	-1.3	-7.9	234.1	-.171	-1.049
4	-0.000	-.001	6.7	-10.6	232.8	.893	-1.409
5	-0.000	-.001	14.7	-13.2	231.4	1.953	-1.759
6	-.001	-.002	22.6	-15.8	230.1	3.009	-2.099
7	-.001	-.002	30.5	-18.3	228.7	4.076	-2.443
8	-.002	-.001	38.4	-20.7	227.4	5.265	-2.883
9	-.003	-.001	46.1	-23.0	226.0	6.649	-3.454
10	-.004	.001	53.7	-25.2	224.7	8.292	-4.149

EXCENTRICIDADES RESULTANTES CABEZA -.112099615551 .239203656051
EXCENTRICIDADES 1 ORDEN CABEZA -.116154873164 .239875389408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-25.0	-.4	238.2	-3.339	-4.149
1	-0.000	-0.000	-17.1	-3.2	236.8	-2.279	-.430
2	-0.000	-0.000	-9.1	-6.0	235.5	-1.216	-.800
3	-.001	-.001	-1.1	-8.7	234.1	-.151	-1.162
4	-.001	-.001	6.9	-11.4	232.8	.912	-1.516
5	-.001	-.001	14.8	-14.0	231.4	1.973	-1.860
6	-.002	-.002	22.8	-16.5	230.1	3.042	-2.206
7	-.003	-.002	30.7	-18.9	228.7	4.208	-2.637
8	-.003	-.001	38.5	-21.3	227.4	5.546	-3.192
9	-.005	-.001	46.2	-23.5	226.0	7.121	-3.867
10	-.006	.001	53.9	-25.7	224.7	8.997	-4.628

EXCENTRICIDADES RESULTANTES CABEZA -.114229431076 .239709090956
EXCENTRICIDADES 1 ORDEN CABEZA -.116154873164 .239875389408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-25.0	-.8	238.2	-3.544	-4.628
1	-0.000	-0.000	-17.1	-3.6	236.8	-2.274	-.485
2	-0.000	-0.000	-9.1	-6.4	235.5	-1.211	-.855
3	-.001	-.001	-1.1	-9.1	234.1	-.146	-1.217
4	-.001	-.001	6.9	-11.8	232.8	.918	-1.569
5	-.001	-.001	14.9	-14.4	231.4	1.979	-1.913
6	-.002	-.002	22.8	-16.9	230.1	3.053	-2.263
7	-.003	-.002	30.7	-19.3	228.7	4.251	-2.719
8	-.004	-.001	38.5	-21.6	227.4	5.659	-3.319
9	-.005	-.001	46.3	-23.9	226.0	7.336	-4.045
10	-.006	.001	53.9	-26.0	224.7	9.339	-4.854

EXCENTRICIDADES RESULTANTES CABEZA -.115786052342 .239892076507
EXCENTRICIDADES 1 ORDEN CABEZA -.116154873164 .239875389408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-25.0	-.9	238.2	-3.636	-4.854
1	-0.000	-0.000	-17.1	-3.7	236.8	-2.275	-.494
2	-0.000	-0.000	-9.1	-6.5	235.5	-1.211	-.864
3	-.001	-.001	-1.1	-9.2	234.1	-.147	-1.226
4	-.001	-.001	6.9	-11.9	232.8	.917	-1.578
5	-.001	-.002	14.9	-14.4	231.4	1.979	-1.921
6	-.002	-.002	22.8	-17.0	230.1	3.055	-2.274
7	-.003	-.002	30.7	-19.4	228.7	4.266	-2.739
8	-.004	-.001	38.5	-21.7	227.4	5.704	-3.356

9	-.005	-.001	46.3	-23.9	226.0	7.430	-4.108
10	-.006	.001	53.9	-26.1	224.7	9.498	-4.940

EXCENTRICIDADES RESULTANTES CABEZA -.116036572693 .23989224234
EXCENTRICIDADES 1 ORDEN CABEZA -.116154873164 .239875389408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-25.0	-.9	238.2	-3.683	-4.940
1	-0.000	-0.000	-17.1	-3.7	236.8	-2.275	-.497
2	-0.000	-0.000	-9.1	-6.5	235.5	-1.212	-.867
3	-.001	-.001	-1.1	-9.2	234.1	-.147	-1.229
4	-.001	-.001	6.9	-11.9	232.8	.917	-1.581
5	-.001	-.002	14.9	-14.5	231.4	1.978	-1.924
6	-.002	-.002	22.8	-17.0	230.1	3.056	-2.277
7	-.003	-.002	30.7	-19.4	228.7	4.270	-2.745
8	-.004	-.001	38.5	-21.7	227.4	5.719	-3.370
9	-.005	-.001	46.3	-24.0	226.0	7.467	-4.133
10	-.007	.001	53.9	-26.1	224.7	9.567	-4.977

EXCENTRICIDADES RESULTANTES CABEZA -.11611108926 .239886933069
EXCENTRICIDADES 1 ORDEN CABEZA -.116154873164 .239875389408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-25.0	-.9	238.2	-3.702	-4.977
1	-0.000	-0.000	-17.1	-3.7	236.8	-2.276	-.498
2	-0.000	-0.000	-9.1	-6.5	235.5	-1.212	-.868
3	-.001	-.001	-1.1	-9.2	234.1	-.147	-1.230
4	-.001	-.001	6.9	-11.9	232.8	.917	-1.582
5	-.001	-.002	14.9	-14.5	231.4	1.978	-1.925
6	-.002	-.002	22.8	-17.0	230.1	3.056	-2.278
7	-.003	-.002	30.7	-19.4	228.7	4.271	-2.747
8	-.004	-.001	38.5	-21.7	227.4	5.724	-3.374
9	-.005	-.001	46.3	-24.0	226.0	7.482	-4.143
10	-.007	.001	53.9	-26.1	224.7	9.597	-4.993

EXCENTRICIDADES RESULTANTES CABEZA -.116137003379 .239880963038
EXCENTRICIDADES 1 ORDEN CABEZA -.116154873164 .239875389408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-25.0	-.9	238.2	-3.709	-4.993
1	-0.000	-0.000	-17.1	-3.7	236.8	-2.276	-.499
2	-0.000	-0.000	-9.1	-6.5	235.5	-1.212	-.868
3	-.001	-.001	-1.1	-9.2	234.1	-.147	-1.230
4	-.001	-.001	6.9	-11.9	232.8	.917	-1.583
5	-.001	-.002	14.9	-14.5	231.4	1.978	-1.926
6	-.002	-.002	22.8	-17.0	230.1	3.056	-2.279
7	-.003	-.002	30.7	-19.4	228.7	4.272	-2.748
8	-.004	-.001	38.5	-21.7	227.4	5.725	-3.376
9	-.005	-.001	46.3	-24.0	226.0	7.486	-4.146
10	-.007	.001	53.9	-26.1	224.7	9.610	-4.999

EXCENTRICIDADES RESULTANTES CABEZA -.116147487144 .239877866693
EXCENTRICIDADES 1 ORDEN CABEZA -.116154873164 .239875389408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-25.0	-.9	238.2	-3.713	-4.999
1	-0.000	-0.000	-17.1	-3.7	236.8	-2.276	-.499
2	-0.000	-0.000	-9.1	-6.5	235.5	-1.212	-.869
3	-.001	-.001	-1.1	-9.2	234.1	-.148	-1.230
4	-.001	-.001	6.9	-11.9	232.8	.917	-1.583
5	-.002	-.002	14.9	-14.5	231.4	1.978	-1.926
6	-.002	-.002	22.8	-17.0	230.1	3.056	-2.279
7	-.003	-.002	30.7	-19.4	228.7	4.272	-2.748
8	-.004	-.001	38.5	-21.7	227.4	5.725	-3.376
9	-.005	-.001	46.3	-24.0	226.0	7.487	-4.147
10	-.007	.001	53.9	-26.1	224.7	9.613	-5.001

EXCENTRICIDADES RESULTANTES CABEZA -.116151784068 .239876830929
EXCENTRICIDADES 1 ORDEN CABEZA -.116154873164 .239875389408
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 12 TANTEO 0

Fpx= -5.8 t Fpy= -12.4 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-39.6	-87.9	216.5	-8.562	-17.900
1	-.001	-0.000	-29.6	-82.8	215.1	-7.234	-19.682
2	-.003	-.001	-19.4	-77.5	213.8	-4.864	-18.951
3	-.006	-.002	-9.0	-72.0	212.4	-2.230	-17.155
4	-.011	-.004	1.4	-66.1	211.1	.327	-15.014
5	-.016	-.005	11.8	-60.1	209.7	2.685	-12.855
6	-.023	-.006	22.3	-53.9	208.4	4.807	-10.848
7	-.030	-.007	32.7	-47.5	207.0	6.703	-9.109
8	-.038	-.007	43.0	-41.0	205.7	8.438	-7.734
9	-.047	-.007	53.3	-34.5	204.3	10.226	-6.690
10	-.056	-.006	63.5	-27.8	203.0	12.418	-5.692

EXCENTRICIDADES RESULTANTES CABEZA -.136961783022 .312906887533
EXCENTRICIDADES 1 ORDEN CABEZA -.192118226601 .307389162562

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-40.9	-100.0	216.5	-9.984	-23.710
1	-.001	-0.000	-30.8	-94.9	215.1	-7.727	-23.143
2	-.003	-.001	-20.6	-89.4	213.8	-5.069	-21.270
3	-.007	-.003	-10.2	-83.6	212.4	-2.424	-18.943
4	-.013	-.004	.2	-77.5	211.1	-2.424	-16.551
5	-.019	-.006	10.8	-71.2	209.7	2.320	-14.310
6	-.027	-.007	21.3	-64.7	208.4	4.358	-12.377
7	-.035	-.008	31.8	-58.0	207.0	6.220	-10.911
8	-.044	-.009	42.3	-51.2	205.7	8.084	-9.913
9	-.054	-.009	52.6	-44.2	204.3	10.266	-9.038
10	-.064	-.008	62.9	-37.2	203.0	12.953	-8.078

EXCENTRICIDADES RESULTANTES CABEZA -.183207837797 .309991960086
EXCENTRICIDADES 1 ORDEN CABEZA -.192118226601 .307389162562

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-41.4	-101.3	216.5	-11.097	-26.817
1	-.001	-0.000	-31.3	-96.2	215.1	-8.284	-25.016
2	-.004	-.001	-21.0	-90.7	213.8	-5.394	-22.635
3	-.008	-.003	-10.7	-84.9	212.4	-2.622	-20.078
4	-.014	-.004	-.2	-78.8	211.1	-2.622	-17.625
5	-.021	-.006	10.3	-72.5	209.7	2.313	-15.235
6	-.029	-.008	20.9	-65.9	208.4	4.473	-13.217
7	-.038	-.009	31.4	-59.1	207.0	6.513	-11.612
8	-.048	-.010	41.9	-52.2	205.7	8.565	-10.406
9	-.058	-.010	52.3	-45.2	204.3	10.780	-9.457
10	-.069	-.009	62.6	-38.0	203.0	13.503	-8.495

EXCENTRICIDADES RESULTANTES CABEZA -.187224167119 .308306853964
EXCENTRICIDADES 1 ORDEN CABEZA -.192118226601 .307389162562

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-41.5	-102.3	216.5	-11.614	-28.414
1	-.001	-0.000	-31.5	-97.2	215.1	-8.549	-26.061
2	-.004	-.001	-21.2	-91.7	213.8	-5.551	-23.464
3	-.008	-.003	-10.8	-85.8	212.4	-2.714	-20.808
4	-.014	-.004	-.4	-79.7	211.1	-2.714	-18.321
5	-.022	-.006	10.2	-73.3	209.7	2.334	-15.836
6	-.030	-.008	20.8	-66.6	208.4	4.552	-13.748
7	-.039	-.009	31.3	-59.8	207.0	6.641	-12.054
8	-.050	-.010	41.8	-52.8	205.7	8.721	-10.764
9	-.061	-.010	52.2	-45.7	204.3	10.977	-9.751
10	-.072	-.010	62.5	-38.4	203.0	13.749	-8.726

EXCENTRICIDADES RESULTANTES CABEZA -.189233415439 .307820464813
EXCENTRICIDADES 1 ORDEN CABEZA -.192118226601 .307389162562

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-41.6	-102.8	216.5	-11.862	-29.204
1	-.001	-0.000	-31.5	-97.7	215.1	-8.689	-26.640
2	-.004	-.001	-21.3	-92.2	213.8	-5.639	-23.956
3	-.009	-.003	-10.9	-86.4	212.4	-2.766	-21.259
4	-.015	-.005	-.4	-80.2	211.1	-2.766	-18.753
5	-.022	-.006	10.1	-73.7	209.7	2.351	-16.214
6	-.031	-.008	20.7	-67.1	208.4	4.603	-14.077
7	-.040	-.009	31.3	-60.2	207.0	6.720	-12.319
8	-.051	-.010	41.7	-53.2	205.7	8.818	-10.960
9	-.062	-.010	52.2	-46.0	204.3	11.084	-9.901
10	-.074	-.010	62.4	-38.7	203.0	13.865	-8.847

EXCENTRICIDADES RESULTANTES CABEZA -.190464714706 .307605816768
EXCENTRICIDADES 1 ORDEN CABEZA -.192118226601 .307389162562

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-41.7	-103.2	216.5	-11.983	-29.600
1	-.001	-0.000	-31.6	-98.1	215.1	-8.764	-26.957
2	-.004	-.001	-21.3	-92.5	213.8	-5.689	-24.241
3	-.009	-.003	-10.9	-86.7	212.4	-2.796	-21.528
4	-.015	-.005	-.5	-80.5	211.1	-2.796	-19.012
5	-.022	-.006	10.1	-74.0	209.7	2.363	-16.446
6	-.031	-.008	20.7	-67.3	208.4	4.636	-14.276
7	-.041	-.009	31.2	-60.4	207.0	6.767	-12.475
8	-.051	-.010	41.7	-53.4	205.7	8.872	-11.073
9	-.063	-.011	52.1	-46.1	204.3	11.139	-9.985
10	-.075	-.010	62.4	-38.8	203.0	13.921	-8.911

EXCENTRICIDADES RESULTANTES CABEZA -.191178427661 .307500584802
EXCENTRICIDADES 1 ORDEN CABEZA -.192118226601 .307389162562

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-41.7	-103.4	216.5	-12.044	-29.802
1	-.001	-0.000	-31.6	-98.2	215.1	-8.805	-27.131
2	-.004	-.001	-21.3	-92.7	213.8	-5.717	-24.405
3	-.009	-.003	-11.0	-86.8	212.4	-2.813	-21.685
4	-.015	-.005	-.5	-80.7	211.1	-2.813	-19.165
5	-.023	-.006	10.1	-74.2	209.7	2.371	-16.583
6	-.031	-.008	20.7	-67.5	208.4	4.656	-14.394
7	-.041	-.009	31.2	-60.6	207.0	6.795	-12.567
8	-.052	-.010	41.7	-53.5	205.7	8.902	-11.137
9	-.063	-.011	52.1	-46.2	204.3	11.169	-10.030
10	-.075	-.010	62.4	-38.9	203.0	13.948	-8.945

EXCENTRICIDADES RESULTANTES CABEZA -.191587080953 .307446803954
EXCENTRICIDADES 1 ORDEN CABEZA -.192118226601 .307389162562

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-41.7	-103.5	216.5	-12.074	-29.908
1	-.001	-0.000	-31.6	-98.4	215.1	-8.827	-27.227
2	-.004	-.001	-21.4	-92.8	213.8	-5.733	-24.497
3	-.009	-.003	-11.0	-87.0	212.4	-2.822	-21.776
4	-.015	-.005	-.5	-80.7	211.1	-2.822	-19.253
5	-.023	-.006	10.1	-74.3	209.7	2.376	-16.664
6	-.031	-.008	20.7	-67.5	208.4	4.667	-14.463
7	-.041	-.009	31.2	-60.6	207.0	6.812	-12.620
8	-.052	-.010	41.7	-53.5	205.7	8.920	-11.174
9	-.063	-.011	52.1	-46.3	204.3	11.186	-10.056
10	-.076	-.010	62.4	-38.9	203.0	13.962	-8.963

EXCENTRICIDADES RESULTANTES CABEZA -.191818761704 .307419224157
EXCENTRICIDADES 1 ORDEN CABEZA -.192118226601 .307389162562

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-41.7	-103.5	216.5	-12.090	-29.964
1	-.001	-0.000	-31.6	-98.4	215.1	-8.839	-27.280
2	-.004	-.001	-21.4	-92.9	213.8	-5.741	-24.549
3	-.009	-.003	-11.0	-87.0	212.4	-2.828	-21.828
4	-.015	-.005	-.5	-80.8	211.1	-2.828	-19.304
5	-.023	-.006	10.1	-74.3	209.7	2.379	-16.711
6	-.031	-.008	20.7	-67.6	208.4	4.674	-14.503
7	-.041	-.010	31.2	-60.7	207.0	6.821	-12.650
8	-.052	-.010	41.7	-53.6	205.7	8.929	-11.195
9	-.064	-.011	52.1	-46.3	204.3	11.195	-10.070
10	-.076	-.010	62.4	-39.0	203.0	13.965	-8.971

EXCENTRICIDADES RESULTANTES CABEZA -.191949553131 .307405006745
EXCENTRICIDADES 1 ORDEN CABEZA -.192118226601 .307389162562

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-41.7	-103.6	216.5	-12.098	-29.994
1	-.001	-0.000	-31.6	-98.4	215.1	-8.845	-27.309
2	-.004	-.001	-21.4	-92.9	213.8	-5.746	-24.579
3	-.009	-.003	-11.0	-87.0	212.4	-2.830	-21.857
4	-.015	-.005	-.5	-80.8	211.1	-2.830	-19.333
5	-.023	-.006	10.1	-74.3	209.7	2.381	-16.738
6	-.032	-.008	20.7	-67.6	208.4	4.679	-14.526
7	-.041	-.010	31.2	-60.7	207.0	6.827	-12.668
8	-.052	-.010	41.7	-53.6	205.7	8.935	-11.207
9	-.064	-.011	52.1	-46.4	204.3	11.197	-10.076
10	-.076	-.010	62.4	-39.0	203.0	13.971	-8.978

EXCENTRICIDADES RESULTANTES CABEZA -.192023413023 .307397803453
EXCENTRICIDADES 1 ORDEN CABEZA -.192118226601 .307389162562
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 13 TANTEO 0

Fpx= 3.2 t Fpy= -5.1 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-1.9	.9	253.2	-.254	.134
1	0.000	-0.000	2.0	-1.8	251.8	.263	-.238
2	-0.000	0.000	5.9	-4.5	250.5	.784	-.598
3	-0.000	0.000	9.8	-7.1	249.1	1.309	-.956
4	-0.000	0.000	13.7	-9.8	247.8	1.837	-1.312
5	-0.000	.001	17.7	-12.4	246.4	2.367	-1.664
6	-.001	.001	21.7	-15.1	245.1	2.897	-2.012
7	-.001	.002	25.6	-17.6	243.7	3.429	-2.358
8	-.002	.003	29.6	-20.2	242.4	3.990	-2.728
9	-.003	.004	33.5	-22.7	241.0	4.604	-3.142
10	-.004	.005	37.4	-25.1	239.7	5.285	-3.609

EXCENTRICIDADES RESULTANTES CABEZA -.104726337184 .156221519559
EXCENTRICIDADES 1 ORDEN CABEZA -.108468919483 .161451814768

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-.6	-0.0	253.2	5.285	-3.609
1	-0.000	0.000	3.2	-2.7	251.8	.434	-.361
2	-0.000	0.000	7.1	-5.3	250.5	.947	-.716
3	-0.000	.001	10.9	-8.0	249.1	1.465	-1.068
4	-.001	.001	14.8	-10.6	247.8	1.984	-1.418
5	-.001	.002	18.7	-13.2	246.4	2.505	-1.764
6	-.002	.002	22.6	-15.8	245.1	3.028	-2.108
7	-.002	.003	26.5	-18.3	243.7	3.576	-2.472
8	-.003	.004	30.4	-20.8	242.4	4.174	-2.878
9	-.004	.006	34.3	-23.2	241.0	4.834	-3.333
10	-.005	.008	38.1	-25.6	239.7	5.565	-3.840

EXCENTRICIDADES RESULTANTES CABEZA -.10677864008 .158992250779
EXCENTRICIDADES 1 ORDEN CABEZA -.108468919483 .161451814768

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	0.0	-.4	253.2	5.565	-3.840
1	-0.000	0.000	3.8	-3.1	251.8	.510	-.414
2	-0.000	0.000	7.6	-5.7	250.5	1.024	-.768
3	-.001	.001	11.5	-8.4	249.1	1.541	-1.120
4	-.001	.001	15.4	-11.0	247.8	2.060	-1.469
5	-.001	.002	19.3	-13.6	246.4	2.580	-1.815
6	-.002	.002	23.2	-16.1	245.1	3.105	-2.161
7	-.002	.003	27.1	-18.7	243.7	3.665	-2.536
8	-.003	.005	31.0	-21.1	242.4	4.282	-2.959
9	-.004	.006	34.8	-23.6	241.0	4.968	-3.434
10	-.006	.008	38.6	-25.9	239.7	5.729	-3.964

EXCENTRICIDADES RESULTANTES CABEZA -.108211527086 .161099661208
EXCENTRICIDADES 1 ORDEN CABEZA -.108468919483 .161451814768

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	.1	-.5	253.2	5.729	-3.964
1	-0.000	0.000	3.9	-3.1	251.8	.519	-.420
2	-0.000	0.000	7.7	-5.8	250.5	1.032	-.774
3	-.001	.001	11.6	-8.4	249.1	1.549	-1.126
4	-.001	.001	15.5	-11.0	247.8	2.068	-1.476
5	-.001	.002	19.4	-13.6	246.4	2.589	-1.822
6	-.002	.003	23.3	-16.2	245.1	3.116	-2.170
7	-.002	.003	27.1	-18.7	243.7	3.684	-2.552
8	-.003	.005	31.0	-21.2	242.4	4.312	-2.984
9	-.004	.006	34.9	-23.6	241.0	5.012	-3.470
10	-.006	.008	38.7	-26.0	239.7	5.790	-4.012

EXCENTRICIDADES RESULTANTES CABEZA -.108397619832 .161358580409
EXCENTRICIDADES 1 ORDEN CABEZA -.108468919483 .161451814768

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	.1	-.5	253.2	5.790	-4.012
1	-0.000	0.000	3.9	-3.1	251.8	.521	-.422
2	-0.000	0.000	7.7	-5.8	250.5	1.035	-.776
3	-.001	.001	11.6	-8.4	249.1	1.551	-1.128
4	-.001	.001	15.5	-11.0	247.8	2.071	-1.478
5	-.001	.002	19.4	-13.6	246.4	2.591	-1.824
6	-.002	.003	23.3	-16.2	245.1	3.119	-2.173
7	-.002	.003	27.2	-18.7	243.7	3.688	-2.556
8	-.003	.005	31.0	-21.2	242.4	4.320	-2.991
9	-.004	.006	34.9	-23.6	241.0	5.026	-3.481
10	-.006	.008	38.7	-26.0	239.7	5.812	-4.030

EXCENTRICIDADES RESULTANTES CABEZA -.10844368918 .161420160103
EXCENTRICIDADES 1 ORDEN CABEZA -.108468919483 .161451814768

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	.1	-.5	253.2	5.812	-4.030
1	-0.000	0.000	3.9	-3.2	251.8	.522	-.422
2	-0.000	0.000	7.7	-5.8	250.5	1.036	-.777
3	-.001	.001	11.6	-8.4	249.1	1.552	-1.129
4	-.001	.001	15.5	-11.1	247.8	2.072	-1.478
5	-.001	.002	19.4	-13.6	246.4	2.592	-1.824
6	-.002	.003	23.3	-16.2	245.1	3.120	-2.173
7	-.003	.003	27.2	-18.7	243.7	3.690	-2.557
8	-.003	.005	31.0	-21.2	242.4	4.323	-2.993
9	-.004	.006	34.9	-23.6	241.0	5.031	-3.486
10	-.006	.008	38.7	-26.0	239.7	5.819	-4.035

EXCENTRICIDADES RESULTANTES CABEZA -.108459924095 .161440575324
EXCENTRICIDADES 1 ORDEN CABEZA -.108468919483 .161451814768
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 14 TANTEO 0

Fpx= -5.4 t Fpy= -2.1 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	3.9	-63.2	177.4	.788	-11.616
1	-0.000	0.000	5.3	-58.6	176.0	1.144	-11.983
2	-.002	0.000	6.6	-53.8	174.7	1.458	-11.207
3	-.004	0.000	8.0	-48.9	173.3	1.727	-9.929
4	-.006	.001	9.4	-43.9	172.0	1.952	-8.480
5	-.010	.001	10.9	-38.8	170.6	2.131	-7.026
6	-.014	.002	12.3	-33.6	169.3	2.262	-5.656
7	-.018	.003	13.8	-28.4	167.9	2.341	-4.431
8	-.022	.004	15.3	-23.1	166.6	2.371	-3.392
9	-.027	.005	16.8	-17.8	165.2	2.414	-2.503
10	-.032	.006	18.3	-12.5	163.9	2.503	-1.700

EXCENTRICIDADES RESULTANTES CABEZA -.0760750247965 .111865334578
EXCENTRICIDADES 1 ORDEN CABEZA -.107992678462 .117754728493

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	5.0	-69.0	177.4	1.086	-14.070
1	-0.000	0.000	6.3	-64.3	176.0	1.389	-13.353
2	-.002	0.000	7.7	-59.5	174.7	1.649	-12.033
3	-.004	0.000	9.0	-54.5	173.3	1.868	-10.489
4	-.007	.001	10.4	-49.4	172.0	2.043	-8.916
5	-.011	.001	11.8	-44.2	170.6	2.171	-7.410
6	-.015	.002	13.3	-38.9	169.3	2.248	-6.051
7	-.020	.003	14.7	-33.5	167.9	2.279	-4.908
8	-.025	.004	16.2	-28.1	166.6	2.324	-3.943
9	-.030	.005	17.7	-22.6	165.2	2.414	-3.083
10	-.035	.006	19.2	-17.2	163.9	2.546	-2.291

EXCENTRICIDADES RESULTANTES CABEZA -.104855078904 .117286188723
EXCENTRICIDADES 1 ORDEN CABEZA -.107992678462 .117754728493

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	5.0	-69.1	177.4	1.162	-15.365
1	-.001	0.000	6.3	-64.5	176.0	1.445	-14.056
2	-.002	0.000	7.7	-59.7	174.7	1.696	-12.474
3	-.005	0.000	9.1	-54.7	173.3	1.911	-10.806
4	-.008	.001	10.5	-49.6	172.0	2.088	-9.164
5	-.012	.001	11.9	-44.4	170.6	2.222	-7.619
6	-.016	.002	13.3	-39.1	169.3	2.315	-6.234
7	-.021	.003	14.8	-33.8	167.9	2.375	-5.057
8	-.026	.004	16.3	-28.4	166.6	2.425	-4.067
9	-.031	.005	17.8	-22.9	165.2	2.502	-3.188
10	-.037	.007	19.3	-17.4	163.9	2.615	-2.375

EXCENTRICIDADES RESULTANTES CABEZA -.106394276225 .117547432141
EXCENTRICIDADES 1 ORDEN CABEZA -.107992678462 .117754728493

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	5.0	-69.4	177.4	1.203	-16.017
1	-.001	0.000	6.4	-64.7	176.0	1.478	-14.435
2	-.002	0.000	7.7	-59.9	174.7	1.724	-12.728
3	-.005	0.000	9.1	-54.9	173.3	1.938	-10.999
4	-.008	.001	10.5	-49.8	172.0	2.115	-9.319
5	-.012	.001	11.9	-44.6	170.6	2.251	-7.748
6	-.016	.002	13.3	-39.3	169.3	2.347	-6.341
7	-.021	.003	14.8	-33.9	167.9	2.409	-5.140
8	-.027	.004	16.3	-28.5	166.6	2.457	-4.130
9	-.032	.005	17.8	-23.1	165.2	2.529	-3.234
10	-.038	.007	19.3	-17.6	163.9	2.634	-2.407

EXCENTRICIDADES RESULTANTES CABEZA -.107109637566 .117645471659
EXCENTRICIDADES 1 ORDEN CABEZA -.107992678462 .117754728493

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	5.1	-69.5	177.4	1.224	-16.340
1	-.001	0.000	6.4	-64.9	176.0	1.495	-14.635
2	-.002	0.000	7.7	-60.1	174.7	1.740	-12.872
3	-.005	0.000	9.1	-55.1	173.3	1.954	-11.113
4	-.008	.001	10.5	-50.0	172.0	2.131	-9.413
5	-.012	.001	11.9	-44.7	170.6	2.269	-7.826
6	-.017	.002	13.4	-39.4	169.3	2.366	-6.402
7	-.022	.003	14.8	-34.0	167.9	2.427	-5.184
8	-.027	.004	16.3	-28.6	166.6	2.473	-4.161
9	-.033	.005	17.8	-23.1	165.2	2.540	-3.256
10	-.038	.007	19.3	-17.6	163.9	2.641	-2.421

EXCENTRICIDADES RESULTANTES CABEZA -.107512729528 .117694774499
EXCENTRICIDADES 1 ORDEN CABEZA -.107992678462 .117754728493

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	5.1	-69.6	177.4	1.234	-16.498
1	-.001	0.000	6.4	-65.0	176.0	1.504	-14.741
2	-.002	0.000	7.7	-60.1	174.7	1.749	-12.953
3	-.005	0.000	9.1	-55.1	173.3	1.963	-11.179
4	-.008	.001	10.5	-50.0	172.0	2.141	-9.468
5	-.012	.001	11.9	-44.8	170.6	2.279	-7.871
6	-.017	.002	13.4	-39.5	169.3	2.376	-6.437
7	-.022	.003	14.8	-34.1	167.9	2.437	-5.208
8	-.027	.004	16.3	-28.7	166.6	2.480	-4.177
9	-.033	.005	17.8	-23.2	165.2	2.545	-3.266
10	-.039	.007	19.3	-17.7	163.9	2.645	-2.429

EXCENTRICIDADES RESULTANTES CABEZA -.107734175914 .117721833446
EXCENTRICIDADES 1 ORDEN CABEZA -.107992678462 .117754728493

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	5.1	-69.6	177.4	1.240	-16.576
1	-.001	0.000	6.4	-65.0	176.0	1.509	-14.796
2	-.002	0.000	7.8	-60.2	174.7	1.754	-12.997
3	-.005	0.000	9.1	-55.2	173.3	1.968	-11.217
4	-.008	.001	10.5	-50.1	172.0	2.146	-9.500
5	-.012	.001	11.9	-44.8	170.6	2.284	-7.897
6	-.017	.002	13.4	-39.5	169.3	2.382	-6.456
7	-.022	.003	14.8	-34.1	167.9	2.442	-5.221
8	-.027	.004	16.3	-28.7	166.6	2.484	-4.184
9	-.033	.005	17.8	-23.2	165.2	2.547	-3.271
10	-.039	.007	19.3	-17.7	163.9	2.646	-2.433

EXCENTRICIDADES RESULTANTES CABEZA -.107854099729 .117736765417
EXCENTRICIDADES 1 ORDEN CABEZA -.107992678462 .117754728493

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	5.1	-69.7	177.4	1.242	-16.613
1	-.001	0.000	6.4	-65.0	176.0	1.511	-14.825
2	-.002	0.000	7.8	-60.2	174.7	1.756	-13.021
3	-.005	0.000	9.1	-55.2	173.3	1.971	-11.238
4	-.008	.001	10.5	-50.1	172.0	2.150	-9.519
5	-.012	.001	11.9	-44.9	170.6	2.288	-7.911
6	-.017	.002	13.4	-39.5	169.3	2.385	-6.467
7	-.022	.003	14.8	-34.1	167.9	2.444	-5.226
8	-.027	.004	16.3	-28.7	166.6	2.485	-4.188
9	-.033	.005	17.8	-23.2	165.2	2.549	-3.274
10	-.039	.007	19.3	-17.7	163.9	2.647	-2.435

EXCENTRICIDADES RESULTANTES CABEZA -.107918638428 .117744991687
EXCENTRICIDADES 1 ORDEN CABEZA -.107992678462 .117754728493

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	5.1	-69.7	177.4	1.243	-16.632
1	-.001	0.000	6.4	-65.0	176.0	1.513	-14.840
2	-.002	0.000	7.8	-60.2	174.7	1.758	-13.035
3	-.005	0.000	9.1	-55.2	173.3	1.973	-11.250
4	-.008	.001	10.5	-50.1	172.0	2.151	-9.529
5	-.012	.001	11.9	-44.9	170.6	2.289	-7.917
6	-.017	.002	13.4	-39.5	169.3	2.386	-6.472
7	-.022	.003	14.8	-34.2	167.9	2.445	-5.229
8	-.027	.004	16.3	-28.7	166.6	2.487	-4.191
9	-.033	.005	17.8	-23.2	165.2	2.550	-3.276
10	-.039	.007	19.3	-17.7	163.9	2.647	-2.436

EXCENTRICIDADES RESULTANTES CABEZA -.107954329848 .117749701785
EXCENTRICIDADES 1 ORDEN CABEZA -.107992678462 .117754728493
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 15 TANTEO 0

Fpx= -5.4 t Fpy= -5.7 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-16.9	-65.2	170.6	-3.459	-12.481
1	-0.000	-0.000	-12.0	-60.1	169.2	-2.724	-13.058
2	-.002	-0.000	-7.2	-55.0	167.9	-1.651	-12.152
3	-.004	-.001	-2.3	-49.7	166.5	-.522	-10.637
4	-.007	-.001	2.5	-44.4	165.2	.545	-8.956

5	-.011	-.002	7.4	-39.0	163.8	1.497	-7.307
6	-.015	-.002	12.2	-33.6	162.5	2.309	-5.800
7	-.019	-.002	17.1	-28.2	161.1	2.969	-4.511
8	-.024	-.002	21.8	-22.8	159.8	3.497	-3.493
9	-.029	-.002	26.6	-17.4	158.4	4.037	-2.644
10	-.035	-.001	31.3	-12.0	157.1	4.643	-1.857

EXCENTRICIDADES RESULTANTES CABEZA -.0766074415382 .199190191104
EXCENTRICIDADES 1 ORDEN CABEZA -.110757479313 .19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-17.1	-71.1	170.6	-3.857	-15.404
1	-.001	-0.000	-12.3	-66.0	169.2	-2.810	-14.553
2	-.002	-0.000	-7.4	-60.8	167.9	-1.657	-12.965
3	-.005	-.001	-2.5	-55.4	166.5	-.543	-11.149
4	-.008	-.001	2.3	-50.0	165.2	.472	-9.335
5	-.012	-.002	7.2	-44.5	163.8	1.356	-7.658
6	-.016	-.002	12.1	-39.0	162.5	2.093	-6.222
7	-.021	-.002	16.9	-33.5	161.1	2.696	-5.115
8	-.027	-.002	21.7	-27.9	159.8	3.285	-4.228
9	-.032	-.002	26.5	-22.4	158.4	3.916	-3.441
10	-.038	-.002	31.2	-16.9	157.1	4.624	-2.708

EXCENTRICIDADES RESULTANTES CABEZA -.107365004819 .198410397589
EXCENTRICIDADES 1 ORDEN CABEZA -.110757479313 .19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-17.1	-71.3	170.6	-4.147	-16.878
1	-.001	-0.000	-12.3	-66.2	169.2	-2.926	-15.285
2	-.002	-.001	-7.5	-61.0	167.9	-1.707	-13.386
3	-.005	-.001	-2.6	-55.7	166.5	-.564	-11.435
4	-.008	-.001	2.3	-50.3	165.2	.468	-9.558
5	-.012	-.002	7.2	-44.8	163.8	1.369	-7.851
6	-.017	-.002	12.0	-39.3	162.5	2.138	-6.399
7	-.022	-.003	16.8	-33.7	161.1	2.803	-5.251
8	-.028	-.003	21.6	-28.2	159.8	3.419	-4.337
9	-.034	-.002	26.4	-22.7	158.4	4.058	-3.529
10	-.040	-.002	31.1	-17.1	157.1	4.764	-2.773

EXCENTRICIDADES RESULTANTES CABEZA -.109127390987 .19811108918
EXCENTRICIDADES 1 ORDEN CABEZA -.110757479313 .19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-17.2	-71.5	170.6	-4.275	-17.584
1	-.001	-0.000	-12.3	-66.5	169.2	-2.977	-15.662
2	-.002	-.001	-7.5	-61.2	167.9	-1.730	-13.629
3	-.005	-.001	-2.6	-55.9	166.5	-.573	-11.613
4	-.009	-.002	2.3	-50.5	165.2	.468	-9.702
5	-.013	-.002	7.1	-45.0	163.8	1.379	-7.974
6	-.018	-.002	12.0	-39.5	162.5	2.159	-6.504
7	-.023	-.003	16.8	-33.9	161.1	2.832	-5.336
8	-.028	-.003	21.6	-28.4	159.8	3.454	-4.411
9	-.034	-.002	26.4	-22.8	158.4	4.098	-3.593
10	-.040	-.002	31.1	-17.3	157.1	4.809	-2.825

EXCENTRICIDADES RESULTANTES CABEZA -.109875175342 .198034899772
EXCENTRICIDADES 1 ORDEN CABEZA -.110757479313 .19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-17.2	-71.7	170.6	-4.334	-17.916
1	-.001	-0.000	-12.4	-66.6	169.2	-3.004	-15.856
2	-.002	-.001	-7.5	-61.4	167.9	-1.742	-13.765
3	-.005	-.001	-2.6	-56.0	166.5	-.578	-11.720
4	-.009	-.002	2.3	-50.6	165.2	.469	-9.791
5	-.013	-.002	7.1	-45.1	163.8	1.385	-8.049
6	-.018	-.002	12.0	-39.6	162.5	2.171	-6.565
7	-.023	-.003	16.8	-34.0	161.1	2.849	-5.381
8	-.029	-.003	21.6	-28.4	159.8	3.473	-4.445
9	-.035	-.003	26.4	-22.9	158.4	4.118	-3.621
10	-.041	-.002	31.1	-17.3	157.1	4.830	-2.847

EXCENTRICIDADES RESULTANTES CABEZA -.110288820955 .197996454535
EXCENTRICIDADES 1 ORDEN CABEZA -.110757479313 .19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-17.2	-71.8	170.6	-4.361	-18.071
1	-.001	-0.000	-12.4	-66.7	169.2	-3.017	-15.955
2	-.002	-.001	-7.5	-61.4	167.9	-1.749	-13.840
3	-.005	-.001	-2.6	-56.1	166.5	-.581	-11.782
4	-.009	-.002	2.3	-50.7	165.2	.470	-9.844
5	-.013	-.002	7.1	-45.2	163.8	1.389	-8.093
6	-.018	-.002	12.0	-39.6	162.5	2.179	-6.600
7	-.023	-.003	16.8	-34.1	161.1	2.858	-5.405
8	-.029	-.003	21.6	-28.5	159.8	3.482	-4.463
9	-.035	-.003	26.4	-22.9	158.4	4.127	-3.634
10	-.041	-.002	31.1	-17.4	157.1	4.839	-2.858

EXCENTRICIDADES RESULTANTES CABEZA -.110510338669 .197978547053
EXCENTRICIDADES 1 ORDEN CABEZA -.110757479313 .19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-17.2	-71.8	170.6	-4.373	-18.143
1	-.001	-0.000	-12.4	-66.7	169.2	-3.023	-16.005
2	-.002	-.001	-7.5	-61.5	167.9	-1.753	-13.881
3	-.005	-.001	-2.6	-56.1	166.5	-.582	-11.818
4	-.009	-.002	2.3	-50.7	165.2	.470	-9.874
5	-.013	-.002	7.1	-45.2	163.8	1.392	-8.119
6	-.018	-.002	12.0	-39.6	162.5	2.183	-6.619
7	-.023	-.003	16.8	-34.1	161.1	2.863	-5.417
8	-.029	-.003	21.6	-28.5	159.8	3.486	-4.471
9	-.035	-.003	26.4	-22.9	158.4	4.130	-3.641
10	-.041	-.002	31.1	-17.4	157.1	4.842	-2.863

EXCENTRICIDADES RESULTANTES CABEZA -.110627758234 .197970369177
EXCENTRICIDADES 1 ORDEN CABEZA -.110757479313 .19796308084

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-17.2	-71.8	170.6	-4.379	-18.176
1	-.001	-0.000	-12.4	-66.7	169.2	-3.026	-16.031
2	-.002	-.001	-7.5	-61.5	167.9	-1.755	-13.903
3	-.005	-.001	-2.6	-56.1	166.5	-.583	-11.837
4	-.009	-.002	2.3	-50.7	165.2	.471	-9.892
5	-.013	-.002	7.1	-45.2	163.8	1.393	-8.133
6	-.018	-.002	12.0	-39.7	162.5	2.185	-6.630
7	-.023	-.003	16.8	-34.1	161.1	2.865	-5.423
8	-.029	-.003	21.6	-28.5	159.8	3.489	-4.476
9	-.035	-.003	26.4	-22.9	158.4	4.133	-3.645
10	-.041	-.002	31.1	-17.4	157.1	4.843	-2.865

XCENTRICIDADES RESULTANTES CABEZA -.110689264084 .197966340994
XCENTRICIDADES 1 ORDEN CABEZA -.110757479313 .19796308084
ONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

IPOTESIS 16 TANTEO 0

px= -5.4 t Fpy= -9.4 t

ec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-25.2	-81.5	238.2	-5.110	-15.175
1	-.001	-0.000	-17.2	-76.3	236.8	-3.843	-15.948
2	-.002	-.001	-9.2	-71.0	235.5	-2.089	-15.061
3	-.005	-.001	-1.2	-65.4	234.1	-.260	-13.469
4	-.009	-.002	6.9	-59.7	232.8	1.462	-11.669
5	-.013	-.002	14.9	-53.9	231.4	3.008	-9.910
6	-.018	-.003	22.9	-47.9	230.1	4.361	-8.326
7	-.024	-.003	30.8	-41.9	228.7	5.532	-7.003
8	-.030	-.002	38.6	-35.9	227.4	6.603	-5.959
9	-.037	-.001	46.3	-29.8	226.0	7.751	-5.051
10	-.044	0.000	53.9	-23.6	224.7	9.038	-4.184

XCENTRICIDADES RESULTANTES CABEZA -.105222886693 .239760739835
XCENTRICIDADES 1 ORDEN CABEZA -.149087672452 .239875389408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-25.2	-92.1	238.2	-5.607	-19.201
1	-.001	-0.000	-17.2	-86.9	236.8	-3.897	-18.393
2	-.003	-.001	-9.2	-81.4	235.5	-2.037	-16.714
3	-.006	-.001	-1.2	-75.7	234.1	-.245	-14.751
4	-.010	-.002	6.9	-69.8	232.8	1.392	-12.803
5	-.015	-.002	14.9	-63.7	231.4	2.842	-11.041
6	-.021	-.003	22.9	-57.5	230.1	4.112	-9.590
7	-.028	-.003	30.8	-51.3	228.7	5.266	-8.502
8	-.035	-.003	38.7	-44.9	227.4	6.463	-7.604
9	-.042	-.002	46.4	-38.5	226.0	7.767	-6.796
10	-.051	-0.000	54.0	-32.0	224.7	9.290	-5.974

EXCENTRICIDADES RESULTANTES CABEZA -.142624025297 .24028126472
EXCENTRICIDADES 1 ORDEN CABEZA -.149087672452 .239875389408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-25.3	-93.1	238.2	-6.123	-21.475
1	-.001	-0.000	-17.3	-87.9	236.8	-4.123	-19.801
2	-.003	-.001	-9.3	-82.4	235.5	-2.135	-17.732
3	-.006	-.001	-1.2	-76.7	234.1	-.270	-15.589
4	-.011	-.002	6.8	-70.8	232.8	1.428	-13.542
5	-.016	-.003	14.9	-64.7	231.4	2.950	-11.710
6	-.023	-.003	22.9	-58.5	230.1	4.326	-10.174
7	-.030	-.003	30.8	-52.1	228.7	5.614	-8.953
8	-.037	-.003	38.6	-45.7	227.4	6.874	-7.961
9	-.046	-.002	46.3	-39.2	226.0	8.207	-7.077
10	-.054	-.001	53.9	-32.7	224.7	9.717	-6.230

EXCENTRICIDADES RESULTANTES CABEZA -.145514857215 .239992870921
EXCENTRICIDADES 1 ORDEN CABEZA -.149087672452 .239875389408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-25.3	-93.9	238.2	-6.377	-22.721
1	-.001	-0.000	-17.3	-88.7	236.8	-4.239	-20.631
2	-.003	-.001	-9.3	-83.2	235.5	-2.185	-18.379
3	-.007	-.001	-1.2	-77.4	234.1	-.278	-16.139
4	-.011	-.002	6.8	-71.5	232.8	1.456	-14.027
5	-.017	-.003	14.9	-65.3	231.4	3.016	-12.137
6	-.024	-.003	22.9	-59.0	230.1	4.428	-10.538
7	-.031	-.003	30.8	-52.7	228.7	5.738	-9.252
8	-.039	-.003	38.6	-46.2	227.4	7.014	-8.218
9	-.047	-.002	46.3	-39.6	226.0	8.362	-7.300
10	-.056	-.001	53.9	-33.0	224.7	9.899	-6.405

EXCENTRICIDADES RESULTANTES CABEZA -.146905552443 .239950060324
EXCENTRICIDADES 1 ORDEN CABEZA -.149087672452 .239875389408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-25.3	-94.4	238.2	-6.509	-23.393
1	-.001	-0.000	-17.4	-89.2	236.8	-4.305	-21.116
2	-.003	-.001	-9.3	-83.7	235.5	-2.217	-18.779
3	-.007	-.001	-1.3	-77.9	234.1	-.284	-16.490
4	-.012	-.002	6.8	-71.9	232.8	1.474	-14.339
5	-.017	-.003	14.9	-65.7	231.4	3.057	-12.407
6	-.024	-.003	22.9	-59.4	230.1	4.488	-10.760
7	-.032	-.003	30.8	-53.0	228.7	5.813	-9.423
8	-.040	-.003	38.6	-46.5	227.4	7.097	-8.352
9	-.048	-.002	46.3	-39.9	226.0	8.449	-7.409
10	-.058	-.001	53.9	-33.2	224.7	9.990	-6.495

EXCENTRICIDADES RESULTANTES CABEZA -.14778645785 .239912933925
EXCENTRICIDADES 1 ORDEN CABEZA -.149087672452 .239875389408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-25.3	-94.7	238.2	-6.579	-23.753
1	-.001	-0.000	-17.4	-89.5	236.8	-4.342	-21.398
2	-.003	-.001	-9.3	-83.9	235.5	-2.236	-19.023
3	-.007	-.001	-1.3	-78.1	234.1	-.288	-16.709
4	-.012	-.002	6.8	-72.1	232.8	1.485	-14.534
5	-.018	-.003	14.9	-66.0	231.4	3.082	-12.575
6	-.024	-.003	22.9	-59.6	230.1	4.524	-10.895
7	-.032	-.003	30.8	-53.2	228.7	5.855	-9.524
8	-.040	-.003	38.6	-46.6	227.4	7.142	-8.430
9	-.049	-.002	46.3	-40.0	226.0	8.493	-7.472
10	-.059	-.001	53.9	-33.3	224.7	10.035	-6.544

EXCENTRICIDADES RESULTANTES CABEZA -.148317632192 .23989377723
EXCENTRICIDADES 1 ORDEN CABEZA -.149087672452 .239875389408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-25.3	-94.8	238.2	-6.615	-23.948
1	-.001	-0.000	-17.4	-89.6	236.8	-4.363	-21.560
2	-.003	-.001	-9.3	-84.1	235.5	-2.247	-19.169
3	-.007	-.001	-1.3	-78.3	234.1	-.290	-16.844
4	-.012	-.002	6.8	-72.3	232.8	1.492	-14.655
5	-.018	-.003	14.9	-66.1	231.4	3.097	-12.678
6	-.025	-.003	22.9	-59.8	230.1	4.546	-10.976
7	-.032	-.003	30.8	-53.3	228.7	5.880	-9.584
8	-.041	-.003	38.6	-46.7	227.4	7.167	-8.474
9	-.050	-.002	46.3	-40.1	226.0	8.517	-7.506
10	-.059	-.001	53.9	-33.4	224.7	10.059	-6.571

EXCENTRICIDADES RESULTANTES CABEZA -.148634327597 .239883830734
EXCENTRICIDADES 1 ORDEN CABEZA -.149087672452 .239875389408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-25.3	-94.9	238.2	-6.634	-24.054
1	-.001	-0.000	-17.4	-89.7	236.8	-4.375	-21.654
2	-.003	-.001	-9.3	-84.2	235.5	-2.253	-19.257
3	-.007	-.001	-1.3	-78.4	234.1	-.291	-16.925
4	-.012	-.002	6.8	-72.4	232.8	1.496	-14.728
5	-.018	-.003	14.9	-66.2	231.4	3.107	-12.740
6	-.025	-.003	22.9	-59.8	230.1	4.559	-11.025
7	-.032	-.003	30.8	-53.4	228.7	5.894	-9.619
8	-.041	-.003	38.6	-46.8	227.4	7.181	-8.500
9	-.050	-.002	46.3	-40.1	226.0	8.531	-7.526
10	-.059	-.001	53.9	-33.4	224.7	10.071	-6.586

EXCENTRICIDADES RESULTANTES CABEZA -.148821373957 .239879082111
EXCENTRICIDADES 1 ORDEN CABEZA -.149087672452 .239875389408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-25.3	-95.0	238.2	-6.645	-24.113
1	-.001	-0.000	-17.4	-89.8	236.8	-4.382	-21.708
2	-.003	-.001	-9.3	-84.3	235.5	-2.257	-19.308
3	-.007	-.001	-1.3	-78.5	234.1	-.291	-16.973
4	-.012	-.002	6.8	-72.4	232.8	1.499	-14.772
5	-.018	-.003	14.9	-66.2	231.4	3.112	-12.778
6	-.025	-.003	22.9	-59.9	230.1	4.567	-11.054
7	-.033	-.003	30.8	-53.4	228.7	5.903	-9.640
8	-.041	-.003	38.6	-46.8	227.4	7.189	-8.515
9	-.050	-.002	46.3	-40.2	226.0	8.536	-7.535
10	-.059	-.001	53.9	-33.5	224.7	10.075	-6.593

EXCENTRICIDADES RESULTANTES CABEZA -.148931563406 .239877093168
EXCENTRICIDADES 1 ORDEN CABEZA -.149087672452 .239875389408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-25.3	-95.0	238.2	-6.650	-24.146
1	-.001	-0.000	-17.4	-89.8	236.8	-4.386	-21.740
2	-.003	-.001	-9.3	-84.3	235.5	-2.259	-19.339
3	-.007	-.001	-1.3	-78.5	234.1	-.292	-17.002
4	-.012	-.002	6.8	-72.5	232.8	1.501	-14.799
5	-.018	-.003	14.9	-66.3	231.4	3.116	-12.800
6	-.025	-.003	22.9	-59.9	230.1	4.571	-11.072
7	-.033	-.003	30.8	-53.4	228.7	5.906	-9.649
8	-.041	-.003	38.6	-46.8	227.4	7.193	-8.522
9	-.050	-.002	46.3	-40.2	226.0	8.542	-7.543
10	-.059	-.001	53.9	-33.5	224.7	10.077	-6.597

EXCENTRICIDADES RESULTANTES CABEZA -.148996804675 .23987645134
EXCENTRICIDADES 1 ORDEN CABEZA -.149087672452 .239875389408
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 17 TANTEO 0

Fpx= 3.2 t Fpy= -5.9 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-5.1	1.1	245.0	-.688	.149
1	0.000	-0.000	-.7	-1.6	243.6	-.688	-.211
2	-0.000	-0.000	3.9	-4.3	242.3	.522	-.570
3	-0.000	-0.000	8.5	-6.9	240.9	1.135	-.927
4	-0.000	-0.000	13.1	-9.6	239.6	1.752	-1.282
5	-0.000	0.000	17.8	-12.3	238.2	2.371	-1.634
6	-.001	0.000	22.4	-14.9	236.9	2.992	-1.982
7	-.001	.001	27.1	-17.5	235.5	3.618	-2.332
8	-.002	.002	31.8	-20.0	234.2	4.295	-2.723
9	-.003	.003	36.4	-22.5	232.8	5.050	-3.177
10	-.004	.004	41.0	-25.0	231.5	5.900	-3.701

EXCENTRICIDADES RESULTANTES CABEZA -.107792526807 .177067637001
EXCENTRICIDADES 1 ORDEN CABEZA -.111447084233 .181425485961

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-4.1	.2	245.0	-.544	-3.701
1	-0.000	-0.000	.4	-2.4	243.6	-.544	-.327
2	-0.000	-0.000	5.0	-5.1	242.3	.663	-.680
3	-0.000	-0.000	9.6	-7.7	240.9	1.275	-1.032
4	-.001	-0.000	14.2	-10.4	239.6	1.890	-1.381
5	-.001	0.000	18.8	-13.0	238.2	2.507	-1.727
6	-.002	.001	23.4	-15.5	236.9	3.130	-2.074
7	-.002	.001	28.1	-18.1	235.5	3.797	-2.458
8	-.003	.002	32.7	-20.6	234.2	4.536	-2.899
9	-.004	.003	37.3	-23.0	232.8	5.364	-3.407
10	-.005	.005	41.9	-25.4	231.5	6.297	-3.982

EXCENTRICIDADES RESULTANTES CABEZA -.109728568042 .180894027232
EXCENTRICIDADES 1 ORDEN CABEZA -.111447084233 .181425485961

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-4.0	-.2	245.0	-.534	-3.982
1	-0.000	-0.000	.5	-2.8	243.6	-.534	-.378
2	-0.000	-0.000	5.1	-5.5	242.3	.674	-.731
3	-.001	-0.000	9.6	-8.1	240.9	1.287	-1.083
4	-.001	-0.000	14.3	-10.7	239.6	1.903	-1.431
5	-.001	0.000	18.9	-13.3	238.2	2.521	-1.777
6	-.002	.001	23.5	-15.9	236.9	3.150	-2.129
7	-.002	.001	28.2	-18.4	235.5	3.835	-2.528
8	-.003	.002	32.8	-20.9	234.2	4.604	-2.995
9	-.004	.003	37.4	-23.4	232.8	5.473	-3.532
10	-.006	.005	42.0	-25.7	231.5	6.452	-4.139

EXCENTRICIDADES RESULTANTES CABEZA -.111169145033 .181362150621
EXCENTRICIDADES 1 ORDEN CABEZA -.111447084233 .181425485961

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-4.0	-.2	245.0	-.533	-4.139
1	-0.000	-0.000	.5	-2.9	243.6	-.533	-.384
2	-0.000	-0.000	5.1	-5.5	242.3	.676	-.738
3	-.001	-0.000	9.7	-8.2	240.9	1.288	-1.089
4	-.001	-0.000	14.3	-10.8	239.6	1.904	-1.438
5	-.001	0.000	18.9	-13.4	238.2	2.522	-1.784
6	-.002	.001	23.6	-15.9	236.9	3.154	-2.138
7	-.002	.001	28.2	-18.5	235.5	3.846	-2.542
8	-.003	.002	32.8	-21.0	234.2	4.628	-3.018
9	-.004	.003	37.4	-23.4	232.8	5.516	-3.568
10	-.006	.005	42.0	-25.8	231.5	6.519	-4.189

EXCENTRICIDADES RESULTANTES CABEZA -.111364372042 .181411724583
EXCENTRICIDADES 1 ORDEN CABEZA -.111447084233 .181425485961

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-4.0	-.2	245.0	-.533	-4.189
1	-0.000	-0.000	.5	-2.9	243.6	-.533	-.387
2	-0.000	-0.000	5.1	-5.5	242.3	.676	-.740
3	-.001	-0.000	9.7	-8.2	240.9	1.289	-1.091
4	-.001	-0.000	14.3	-10.8	239.6	1.905	-1.440
5	-.001	0.000	18.9	-13.4	238.2	2.523	-1.786
6	-.002	.001	23.6	-16.0	236.9	3.155	-2.140
7	-.002	.001	28.2	-18.5	235.5	3.849	-2.546
8	-.003	.002	32.8	-21.0	234.2	4.635	-3.025
9	-.004	.003	37.4	-23.4	232.8	5.530	-3.580
10	-.006	.005	42.0	-25.8	231.5	6.544	-4.209

EXCENTRICIDADES RESULTANTES CABEZA -.111420435891 .181422012007
EXCENTRICIDADES 1 ORDEN CABEZA -.111447084233 .181425485961

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-4.0	-.2	245.0	-.533	-4.209
1	-0.000	-0.000	.5	-2.9	243.6	-.533	-.387
2	-0.000	-0.000	5.1	-5.5	242.3	.676	-.741
3	-.001	-0.000	9.7	-8.2	240.9	1.289	-1.092
4	-.001	-0.000	14.3	-10.8	239.6	1.905	-1.441
5	-.001	0.000	18.9	-13.4	238.2	2.523	-1.786
6	-.002	.001	23.6	-16.0	236.9	3.155	-2.141
7	-.002	.001	28.2	-18.5	235.5	3.849	-2.547
8	-.003	.002	32.8	-21.0	234.2	4.637	-3.027
9	-.004	.003	37.4	-23.4	232.8	5.535	-3.584
10	-.006	.005	42.0	-25.8	231.5	6.551	-4.215

EXCENTRICIDADES RESULTANTES CABEZA -.11143742101 .181424669538
EXCENTRICIDADES 1 ORDEN CABEZA -.111447084233 .181425485961
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 18 TANTEO 0

Fpx= -5.8 t Fpy= -5.3 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-3.3	-87.9	230.3	-.692	-16.888
1	-.001	-0.000	.7	-82.8	228.9	-.692	-18.065
2	-.002	-0.000	4.7	-77.5	227.6	1.129	-17.461
3	-.006	-0.000	8.8	-72.0	226.2	2.079	-16.008
4	-.010	0.000	12.9	-66.1	224.9	2.959	-14.213
5	-.015	0.000	17.0	-60.1	223.5	3.746	-12.321
6	-.021	.001	21.1	-53.9	222.2	4.428	-10.463
7	-.028	.002	25.2	-47.5	220.8	4.997	-8.721
8	-.036	.003	29.3	-41.1	219.5	5.450	-7.159
9	-.044	.005	33.3	-34.5	218.1	5.810	-5.816
10	-.052	.007	37.3	-27.8	216.8	6.174	-4.610

EXCENTRICIDADES RESULTANTES CABEZA -.128369658696 .171894258687
EXCENTRICIDADES 1 ORDEN CABEZA -.179889298893 .178966789668

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-1.7	-99.9	230.3	-.384	-21.743
1	-.001	-0.000	2.3	-94.8	228.9	.552	-21.304
2	-.003	0.000	6.3	-89.4	227.6	1.492	-19.829
3	-.007	0.000	10.4	-83.6	226.2	2.375	-17.914
4	-.012	0.000	14.5	-77.5	224.9	3.173	-15.849
5	-.018	.001	18.5	-71.2	223.5	3.872	-13.789
6	-.025	.002	22.6	-64.7	222.2	4.463	-11.840
7	-.033	.003	26.6	-58.0	220.8	4.942	-10.091
8	-.041	.004	30.6	-51.2	219.5	5.329	-8.610
9	-.050	.006	34.6	-44.2	218.1	5.715	-7.313
10	-.060	.008	38.5	-37.2	216.8	6.135	-6.128

EXCENTRICIDADES RESULTANTES CABEZA -.171622263707 .177604098087
EXCENTRICIDADES 1 ORDEN CABEZA -.179889298893 .178966789668

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-1.4	-101.2	230.3	-.361	-24.599
1	-.001	-0.000	2.6	-96.1	228.9	.645	-23.210
2	-.003	0.000	6.6	-90.7	227.6	1.621	-21.287

3	-.007	0.000	10.6	-84.9	226.2	2.531	-19.131
4	-.013	0.000	14.7	-78.8	224.9	3.357	-16.914
5	-.019	.001	18.8	-72.4	223.5	4.089	-14.728
6	-.027	.002	22.8	-65.8	222.2	4.721	-12.658
7	-.035	.003	26.8	-59.1	220.8	5.260	-10.775
8	-.045	.005	30.8	-52.1	219.5	5.725	-9.129
9	-.055	.007	34.8	-45.1	218.1	6.132	-7.702
10	-.065	.009	38.7	-37.9	216.8	6.537	-6.414

EXCENTRICIDADES RESULTANTES CABEZA -.174977401737 .178368976996
EXCENTRICIDADES 1 ORDEN CABEZA -.179889298893 .178966789668

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-1.3	-102.3	230.3	-.345	-26.177
1	-.001	-0.000	2.7	-97.2	228.9	.696	-24.324
2	-.004	0.000	6.7	-91.7	227.6	1.692	-22.191
3	-.008	0.000	10.8	-85.8	226.2	2.620	-19.922
4	-.013	.001	14.8	-79.7	224.9	3.464	-17.617
5	-.020	.001	18.9	-73.3	223.5	4.214	-15.351
6	-.028	.002	22.9	-66.6	222.2	4.864	-13.196
7	-.037	.003	26.9	-59.8	220.8	5.417	-11.222
8	-.047	.005	30.9	-52.7	219.5	5.884	-9.482
9	-.057	.007	34.8	-45.6	218.1	6.286	-7.980
10	-.068	.009	38.7	-38.3	216.8	6.681	-6.632

EXCENTRICIDADES RESULTANTES CABEZA -.176883934183 .178646544772
EXCENTRICIDADES 1 ORDEN CABEZA -.179889298893 .178966789668

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-1.2	-102.9	230.3	-.334	-27.017
1	-.001	-0.000	2.8	-97.8	228.9	.725	-24.970
2	-.004	0.000	6.8	-92.3	227.6	1.734	-22.743
3	-.008	0.000	10.8	-86.4	226.2	2.674	-20.418
4	-.014	.001	14.9	-80.3	224.9	3.530	-18.066
5	-.021	.001	18.9	-73.8	223.5	4.292	-15.751
6	-.029	.002	23.0	-67.1	222.2	4.953	-13.539
7	-.038	.003	27.0	-60.2	220.8	5.512	-11.501
8	-.048	.005	30.9	-53.1	219.5	5.981	-9.693
9	-.059	.007	34.9	-45.9	218.1	6.379	-8.134
10	-.070	.010	38.8	-38.6	216.8	6.763	-6.744

EXCENTRICIDADES RESULTANTES CABEZA -.178094187959 .178773255414
EXCENTRICIDADES 1 ORDEN CABEZA -.179889298893 .178966789668

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-1.2	-103.3	230.3	-.326	-27.468
1	-.001	-0.000	2.8	-98.2	228.9	.743	-25.340
2	-.004	0.000	6.8	-92.7	227.6	1.759	-23.073
3	-.008	0.000	10.9	-86.8	226.2	2.707	-20.722
4	-.014	.001	14.9	-80.6	224.9	3.571	-18.345
5	-.021	.001	19.0	-74.1	223.5	4.341	-16.000
6	-.029	.002	23.0	-67.4	222.2	5.007	-13.753
7	-.039	.003	27.0	-60.5	220.8	5.570	-11.673
8	-.049	.005	31.0	-53.4	219.5	6.038	-9.820
9	-.060	.007	34.9	-46.1	218.1	6.432	-8.224
10	-.071	.010	38.8	-38.8	216.8	6.808	-6.809

EXCENTRICIDADES RESULTANTES CABEZA -.178828521094 .178848250961
EXCENTRICIDADES 1 ORDEN CABEZA -.179889298893 .178966789668

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-1.2	-103.5	230.3	-.321	-27.712
1	-.001	-0.000	2.8	-98.4	228.9	.753	-25.552
2	-.004	0.000	6.8	-92.9	227.6	1.774	-23.268
3	-.008	0.000	10.9	-87.0	226.2	2.727	-20.906
4	-.014	.001	14.9	-80.8	224.9	3.596	-18.515
5	-.021	.001	19.0	-74.3	223.5	4.370	-16.153
6	-.030	.002	23.0	-67.6	222.2	5.041	-13.884
7	-.039	.003	27.0	-60.6	220.8	5.606	-11.777
8	-.049	.005	31.0	-53.5	219.5	6.072	-9.896
9	-.060	.007	34.9	-46.2	218.1	6.462	-8.277
10	-.072	.010	38.8	-38.9	216.8	6.833	-6.847

EXCENTRICIDADES RESULTANTES CABEZA -.179266601614 .178894581541
EXCENTRICIDADES 1 ORDEN CABEZA -.179889298893 .178966789668

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-1.2	-103.7	230.3	-.318	-27.846
1	-.001	-0.000	2.8	-98.5	228.9	.760	-25.674
2	-.004	0.000	6.9	-93.0	227.6	1.784	-23.383
3	-.008	0.000	10.9	-87.1	226.2	2.739	-21.015
4	-.014	.001	15.0	-80.9	224.9	3.611	-18.617
5	-.021	.001	19.0	-74.4	223.5	4.389	-16.245
6	-.030	.002	23.0	-67.7	222.2	5.061	-13.963
7	-.039	.003	27.0	-60.7	220.8	5.627	-11.840
8	-.049	.005	31.0	-53.6	219.5	6.093	-9.942
9	-.060	.007	34.9	-46.3	218.1	6.480	-8.308
10	-.072	.010	38.8	-38.9	216.8	6.847	-6.868

EXCENTRICIDADES RESULTANTES CABEZA -.179524950039 .178923200244
EXCENTRICIDADES 1 ORDEN CABEZA -.179889298893 .178966789668

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-1.1	-103.7	230.3	-.316	-27.921
1	-.001	-0.000	2.8	-98.6	228.9	.763	-25.744
2	-.004	0.000	6.9	-93.1	227.6	1.789	-23.451
3	-.008	0.000	10.9	-87.2	226.2	2.746	-21.080
4	-.014	.001	15.0	-81.0	224.9	3.621	-18.678
5	-.022	.001	19.0	-74.5	223.5	4.399	-16.301
6	-.030	.002	23.0	-67.7	222.2	5.074	-14.011
7	-.039	.003	27.0	-60.8	220.8	5.640	-11.878
8	-.050	.005	31.0	-53.6	219.5	6.105	-9.969
9	-.061	.007	34.9	-46.3	218.1	6.490	-8.327
10	-.072	.010	38.8	-39.0	216.8	6.853	-6.878

EXCENTRICIDADES RESULTANTES CABEZA -.179676444709 .178940688846
EXCENTRICIDADES 1 ORDEN CABEZA -.179889298893 .178966789668

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-1.1	-103.8	230.3	-.315	-27.962
1	-.001	-0.000	2.8	-98.7	228.9	.766	-25.785
2	-.004	0.000	6.9	-93.2	227.6	1.792	-23.490
3	-.008	0.000	10.9	-87.3	226.2	2.750	-21.118
4	-.014	.001	15.0	-81.0	224.9	3.626	-18.714
5	-.022	.001	19.0	-74.5	223.5	4.406	-16.333
6	-.030	.002	23.0	-67.8	222.2	5.081	-14.039
7	-.039	.003	27.0	-60.8	220.8	5.647	-11.900
8	-.050	.005	31.0	-53.7	219.5	6.112	-9.985
9	-.061	.007	34.9	-46.4	218.1	6.495	-8.335
10	-.072	.010	38.8	-39.0	216.8	6.859	-6.887

EXCENTRICIDADES RESULTANTES CABEZA -.179765192315 .178951384526
EXCENTRICIDADES 1 ORDEN CABEZA -.179889298893 .178966789668

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-1.1	-103.8	230.3	-.314	-27.986
1	-.001	-0.000	2.9	-98.7	228.9	.767	-25.808
2	-.004	0.000	6.9	-93.2	227.6	1.794	-23.513
3	-.008	0.000	10.9	-87.3	226.2	2.753	-21.140
4	-.014	.001	15.0	-81.1	224.9	3.629	-18.735
5	-.022	.001	19.0	-74.5	223.5	4.410	-16.353
6	-.030	.002	23.1	-67.8	222.2	5.085	-14.056
7	-.039	.003	27.0	-60.8	220.8	5.650	-11.909
8	-.050	.005	31.0	-53.7	219.5	6.115	-9.992
9	-.061	.007	34.9	-46.4	218.1	6.500	-8.343
10	-.072	.010	38.8	-39.0	216.8	6.862	-6.891

EXCENTRICIDADES RESULTANTES CABEZA -.179818026918 .178958077674
EXCENTRICIDADES 1 ORDEN CABEZA -.179889298893 .178966789668

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-1.1	-103.8	230.3	-.314	-27.992
1	-.001	-0.000	2.9	-98.7	228.9	.767	-25.814
2	-.004	0.000	6.9	-93.2	227.6	1.795	-23.519
3	-.008	0.000	10.9	-87.3	226.2	2.754	-21.146
4	-.014	.001	15.0	-81.1	224.9	3.630	-18.742

5	-.022	.001	19.0	-74.6	223.5	4.411	-16.359
6	-.030	.002	23.1	-67.8	222.2	5.087	-14.062
7	-.039	.003	27.1	-60.8	220.8	5.654	-11.920
8	-.050	.005	31.0	-53.7	219.5	6.116	-9.996
9	-.061	.007	34.9	-46.4	218.1	6.501	-8.347
10	-.072	.010	38.8	-39.0	216.8	6.863	-6.894

EXCENTRICIDADES RESULTANTES CABEZA -.179867002462 .178962820729
EXCENTRICIDADES 1 ORDEN CABEZA -.179889298893 .178966789668
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

VI.3 ESFUERZOS MAYORADOS EN BASE DE FUSTE 1

VI.3 ESFUERZOS MAYORADOS EN BASE DE FUSTE 1

PROGRAMA: FUSTE VERSION: Mayo 1997

PROYECTO: 10648-MAYORAD F1

FECHA : SEPT 2001
DATOS CONTENIDOS EN EL FICHERO 10648M1F

----------MATERIALES----------

HormigÆn fck=350Kp/cm2 Yf=1.50 Acero fyk= 5100Kp/cm2 Ys=1.15

-----CARACTERâSTICAS DE LA PILA-----

ALTURA: 8.41 m

RIGIDEZ SEGUN x: 0ton/m RIGIDEZ SEGUN y: 0ton/m
FLEXIBILIDAD SEGUN x: 0.0000000rad/mt FLEXIBILIDAD SEGUN y: 0.0000000rad/mt

-----GEOMETRâA DE LA SECCIçN CAJçN-----

DIM. EXTERNAS DEL CAJON: EN LA BASE: 80 X 80 cm. EN CABEZA: 80 X 80cm.

ESPESORES: (BASE) Ex: 40cm, Ey: 40cm (CABEZA) Ex: 40cm, Ey: 40cm

RECUBRIMIENTO: DE LA ARMADURA EXTERIOR: 5cm. DE LA ARMADURA INTERIOR: 5cm.

--------ARMADURAS (cm2)-------

SECCION	EXTERIORES: SEGUN X	SEGUN Y	INTERIORES: SEGUN X	SEGUN Y
0	48.250	48.250	0.000	0.000
1	48.250	48.250	0.000	0.000
2	48.250	48.250	0.000	0.000
3	48.250	48.250	0.000	0.000
4	48.250	48.250	0.000	0.000
5	48.250	48.250	0.000	0.000
6	48.250	48.250	0.000	0.000
7	48.250	48.250	0.000	0.000
8	48.250	48.250	0.000	0.000
9	48.250	48.250	0.000	0.000
10	48.250	48.250	0.000	0.000

----------ACCIONES----------

CLR es la Carga Linealmente Repartida, en t/m, en 11 secciones
La primera seccion es la de la base, y la ultima la de la cabeza

HIPçTESIS	Fx	Fy	Fz	Mx1	My1	Gampp					
1	-8.500	12.000	140.200	-60.100	-2.400	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	-8.500	7.600	217.300	-41.400	-26.000	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	5.000	13.200	189.000	-68.400	8.600	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	-8.500	12.300	166.900	-63.500	-11.300	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	-3.600	8.800	164.700	-48.000	-6.700	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.33	.33	.33	.33	.33	.33	.33	.33	.33	.33	.33
6	-1.700	26.600	127.500	-107.100	-5.100	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	-.33	-.33	-.33	-.33	-.33	-.33	-.33	-.33	-.33	-.33	-.33
7	-8.500	3.200	228.500	-23.700	-26.000	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11
8	-9.000	7.600	217.300	-41.400	-26.500	1.35					
CLR, X:	-.11	-.11	-.11	-.11	-.11	-.11	-.11	-.11	-.11	-.11	-.11
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	-8.500	7.800	200.200	-50.700	-3.500	1.35					
CLR, X:	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	-9.000	13.200	189.000	-68.400	-4.000	1.35					
CLR, X:	-.11	-.11	-.11	-.11	-.11	-.11	-.11	-.11	-.11	-.11	-.11
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	4.500	13.200	189.000	-68.400	8.100	1.35					
CLR, X:	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROGRAMA: FUSTE VERSION: Mayo 1997

HIPçTESIS	Fx	Fy	Fz	Mx1	My1	Gampp					
12	-8.500	6.900	178.100	-45.800	-11.300	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11
13	5.000	17.300	129.000	-77.800	9.800	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11
14	-8.500	12.900	206.100	-59.100	-26.000	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11
15	-7.900	7.600	217.300	-41.400	-25.500	1.35					
CLR, X:	-.11	-.11	-.11	-.11	-.11	-.11	-.11	-.11	-.11	-.11	-.11
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	-7.900	13.200	189.000	-68.400	-3.100	1.35					
CLR, X:	-.11	-.11	-.11	-.11	-.11	-.11	-.11	-.11	-.11	-.11	-.11
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	5.000	18.500	177.900	-86.200	8.600	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11
18	-8.500	17.600	155.700	-81.200	-11.300	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11

PROGRAMA: FUSTE (PICO) VERSION: Mayo 1997

COMPROBACION DE PILAS

RESULTADOS CORRESPONDIENTES A LOS DATOS CONTENIDOS EN EL FICHERO 10648M1F

PROYECTO: 10648-MAYORAD F1

FECHA: SEPT 2001

Dim. base : Lx = .80 m Ly = .80 m . Espesores ex = .40 m ey = .40 m
Dim. cabeza: Lx = .80 m Ly = .80 m . Espesores ex = .40 m ey = .40 m
MATERIALES . Hormigón fck= 350 cm2. Yf=1.50 Acero fyk= 5100 cm2 Ys=1.15

DEFINICIONES

flch.x : FLECHA SEGUN EL EJE LONGITUDINAL (X) EN LA CABEZA DEL FUSTE
flch.y : FLECHA SEGUN EL EJE PERPENDICULAR (Y) EN LA CABEZA DEL FUSTE
Momx : MOMENTO DE EJE X, EN CABEZA DEL FUSTE
Momy : MOMENTO DE EJE Y, EN CABEZA DEL FUSTE
curv.x : CURVATURA SEGUN EJE X EN CABEZA DEL FUSTE
curv.y : CURVATURA SEGUN EJE Y EN CABEZA DEL FUSTE

HIPOTESIS 1 TANTEO 0

Fpx= -8.5 t Fpy= 12 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	40.9	-74.0	158.4	8.498	-14.980
1	-.001	0.000	30.7	-66.7	156.5	7.080	-15.367
2	-.002	.001	20.5	-59.3	154.7	4.728	-13.658
3	-.005	.002	10.2	-51.8	152.9	2.272	-11.330
4	-.008	.004	-0.0	-44.1	151.1	2.272	-8.929
5	-.012	.005	-10.3	-36.4	149.3	-2.022	-6.743
6	-.017	.006	-20.6	-28.6	147.5	-3.691	-4.760
7	-.021	.007	-30.9	-20.8	145.7	-5.019	-3.285
8	-.027	.008	-41.0	-13.0	143.8	-6.460	-2.142
9	-.032	.008	-51.1	-5.1	142.0	-8.498	-.917
10	-.037	.008	-61.2	2.7	140.2	-11.280	.531

EXCENTRICIDADES RESULTANTES CABEZA .0194171916906 -.436353179541
EXCENTRICIDADES 1 ORDEN CABEZA -.0171184022825 -.428673323823

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	42.1	-80.0	158.4	9.691	-18.351
1	-.001	0.000	32.0	-72.6	156.5	7.360	-16.664
2	-.002	.001	21.7	-65.1	154.7	4.813	-14.197
3	-.005	.002	11.5	-57.5	152.9	2.392	-11.581
4	-.009	.004	1.1	-49.7	151.1	.223	-9.168
5	-.013	.005	-9.2	-41.9	149.3	-1.636	-6.930
6	-.018	.006	-19.5	-33.9	147.5	-3.154	-5.339
7	-.023	.007	-29.7	-26.0	145.7	-4.661	-4.272
8	-.029	.008	-39.9	-18.0	143.8	-6.605	-3.197
9	-.034	.008	-50.1	-10.0	142.0	-9.188	-1.933
10	-.040	.008	-60.1	-2.0	140.2	-12.400	-.414

EXCENTRICIDADES RESULTANTES CABEZA -.0139094637434 -.428806310732
EXCENTRICIDADES 1 ORDEN CABEZA -.0171184022825 -.428673323823

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	42.0	-79.9	158.4	10.202	-19.567
1	-.001	0.000	31.9	-72.6	156.5	7.494	-17.096
2	-.003	.001	21.7	-65.1	154.7	4.845	-14.393
3	-.006	.002	11.4	-57.5	152.9	2.392	-11.694
4	-.009	.004	1.1	-49.8	151.1	.210	-9.198
5	-.014	.005	-9.2	-42.0	149.3	-1.659	-6.994
6	-.019	.007	-19.5	-34.1	147.5	-3.258	-5.384
7	-.024	.008	-29.8	-26.2	145.7	-4.822	-4.290
8	-.029	.008	-40.0	-18.2	143.8	-6.798	-3.292
9	-.035	.009	-50.1	-10.3	142.0	-9.533	-2.046
10	-.041	.008	-60.1	-2.3	140.2	-12.851	-.494

EXCENTRICIDADES RESULTANTES CABEZA -.016173935741 -.428828029974
EXCENTRICIDADES 1 ORDEN CABEZA -.0171184022825 -.428673323823

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	42.1	-80.0	158.4	10.381	-19.992
1	-.001	0.000	31.9	-72.7	156.5	7.552	-17.269
2	-.003	.001	21.7	-65.2	154.7	4.868	-14.485
3	-.006	.003	11.4	-57.6	152.9	2.403	-11.758
4	-.009	.004	1.1	-49.9	151.1	.214	-9.228
5	-.014	.005	-9.2	-42.1	149.3	-1.662	-7.038
6	-.019	.007	-19.5	-34.2	147.5	-3.269	-5.431
7	-.024	.008	-29.8	-26.3	145.7	-4.850	-4.347
8	-.030	.008	-40.0	-18.3	143.8	-6.878	-3.341
9	-.036	.009	-50.1	-10.3	142.0	-9.679	-2.086
10	-.042	.008	-60.1	-2.3	140.2	-13.026	-.515

EXCENTRICIDADES RESULTANTES CABEZA -.016709977688 -.428762513484
EXCENTRICIDADES 1 ORDEN CABEZA -.0171184022825 -.428673323823

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	42.1	-80.0	158.4	10.444	-20.143
1	-.001	0.000	31.9	-72.8	156.5	7.576	-17.340
2	-.003	.001	21.7	-65.3	154.7	4.880	-14.530
3	-.006	.003	11.4	-57.7	152.9	2.409	-11.793
4	-.009	.004	1.1	-50.0	151.1	.216	-9.249
5	-.014	.005	-9.2	-42.1	149.3	-1.663	-7.063
6	-.019	.007	-19.5	-34.3	147.5	-3.277	-5.452
7	-.024	.008	-29.7	-26.3	145.7	-4.866	-4.366
8	-.030	.009	-39.9	-18.4	143.8	-6.911	-3.362
9	-.036	.009	-50.1	-10.4	142.0	-9.737	-2.103
10	-.042	.008	-60.1	-2.4	140.2	-13.090	-.525

EXCENTRICIDADES RESULTANTES CABEZA -.0169450232192 -.428705586004
EXCENTRICIDADES 1 ORDEN CABEZA -.0171184022825 -.428673323823

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	42.1	-80.0	158.4	10.466	-20.195
1	-.001	0.000	31.9	-72.8	156.5	7.585	-17.368
2	-.003	.001	21.7	-65.3	154.7	4.885	-14.551
3	-.006	.003	11.4	-57.7	152.9	2.412	-11.811
4	-.009	.004	1.1	-50.0	151.1	.217	-9.262
5	-.014	.005	-9.2	-42.2	149.3	-1.665	-7.076
6	-.019	.007	-19.5	-34.3	147.5	-3.281	-5.463
7	-.024	.008	-29.7	-26.4	145.7	-4.873	-4.375
8	-.030	.009	-39.9	-18.4	143.8	-6.925	-3.371
9	-.036	.009	-50.1	-10.4	142.0	-9.761	-2.110
10	-.042	.008	-60.1	-2.4	140.2	-13.113	-.528

EXCENTRICIDADES RESULTANTES CABEZA -.0170439734414 -.428684767746
EXCENTRICIDADES 1 ORDEN CABEZA -.0171184022825 -.428673323823

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	42.1	-80.0	158.4	10.473	-20.214
1	-.001	0.000	31.9	-72.8	156.5	7.588	-17.380
2	-.003	.001	21.7	-65.3	154.7	4.887	-14.561
3	-.006	.003	11.4	-57.7	152.9	2.413	-11.820
4	-.009	.004	1.1	-50.0	151.1	.217	-9.266
5	-.014	.005	-9.2	-42.2	149.3	-1.665	-7.081
6	-.019	.007	-19.5	-34.3	147.5	-3.282	-5.466
7	-.024	.008	-29.7	-26.4	145.7	-4.875	-4.377
8	-.030	.009	-39.9	-18.4	143.8	-6.931	-3.374
9	-.036	.009	-50.1	-10.4	142.0	-9.770	-2.113
10	-.042	.008	-60.1	-2.4	140.2	-13.122	-.530

EXCENTRICIDADES RESULTANTES CABEZA -.0170889711639 -.428677962712
EXCENTRICIDADES 1 ORDEN CABEZA -.0171184022825 -.428673323823

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	42.1	-80.0	158.4	10.476	-20.221
1	-.001	0.000	31.9	-72.8	156.5	7.589	-17.381
2	-.003	.001	21.7	-65.3	154.7	4.887	-14.562
3	-.006	.003	11.4	-57.7	152.9	2.413	-11.822
4	-.009	.004	1.1	-50.0	151.1	.217	-9.271
5	-.014	.005	-9.2	-42.2	149.3	-1.666	-7.086
6	-.019	.007	-19.5	-34.3	147.5	-3.283	-5.468
7	-.024	.008	-29.7	-26.4	145.7	-4.875	-4.378
8	-.030	.009	-39.9	-18.4	143.8	-6.932	-3.376
9	-.036	.009	-50.1	-10.4	142.0	-9.771	-2.114
10	-.042	.008	-60.1	-2.4	140.2	-13.122	-.531

EXCENTRICIDADES RESULTANTES CABEZA -.0171091821957 -.428674284535
EXCENTRICIDADES 1 ORDEN CABEZA -.0171184022825 -.428673323823
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 2 TANTEO 0

Fpx= -8.5 t Fpy= 7.6 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	22.5	-97.6	235.5	4.585	-18.532
1	-.001	0.000	16.1	-90.3	233.6	3.579	-19.137
2	-.003	.001	9.6	-82.7	231.8	2.159	-17.723
3	-.006	.001	3.1	-74.8	230.0	.679	-15.543
4	-.010	.002	-3.4	-66.6	228.2	-.720	-13.144
5	-.016	.002	-9.9	-58.3	226.4	-1.980	-10.767
6	-.022	.003	-16.4	-49.8	224.6	-3.065	-8.532
7	-.028	.003	-22.9	-41.3	222.8	-3.947	-6.539
8	-.035	.003	-29.2	-32.6	220.9	-4.620	-4.888
9	-.043	.002	-35.5	-23.9	219.1	-5.244	-3.507
10	-.051	.002	-41.8	-15.1	217.3	-5.942	-2.222

EXCENTRICIDADES RESULTANTES CABEZA -.0694786320045 -.192147324389
EXCENTRICIDADES 1 ORDEN CABEZA -.119650253106 -.190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	23.0	-109.7	235.5	5.092	-23.192
1	-.001	0.000	16.5	-102.3	233.6	3.701	-21.867
2	-.003	.001	10.0	-94.5	231.8	2.190	-19.584
3	-.007	.001	3.5	-86.4	230.0	.731	-16.991
4	-.012	.002	-3.1	-78.0	228.2	-.608	-14.357
5	-.018	.002	-9.6	-69.4	226.4	-1.785	-11.844
6	-.025	.003	-16.1	-60.6	224.6	-2.772	-9.585
7	-.032	.003	-22.6	-51.7	222.8	-3.554	-7.738
8	-.040	.003	-29.0	-42.7	220.9	-4.264	-6.257
9	-.049	.003	-35.3	-33.6	219.1	-5.012	-4.936
10	-.057	.002	-41.5	-24.5	217.3	-5.838	-3.713

EXCENTRICIDADES RESULTANTES CABEZA -.112752145496 -.191169457111
EXCENTRICIDADES 1 ORDEN CABEZA -.119650253106 -.190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	23.1	-110.5	235.5	5.493	-25.426
1	-.001	0.000	16.6	-103.1	233.6	3.888	-23.197
2	-.003	.001	10.1	-95.4	231.8	2.288	-20.558
3	-.007	.001	3.6	-87.3	230.0	.777	-17.803
4	-.013	.002	-2.9	-78.9	228.2	-.604	-15.067
5	-.019	.003	-9.5	-70.3	226.4	-1.825	-12.466
6	-.026	.003	-16.0	-61.5	224.6	-2.870	-10.119
7	-.034	.003	-22.5	-52.6	222.8	-3.752	-8.142
8	-.043	.004	-28.9	-43.6	220.9	-4.511	-6.541
9	-.052	.003	-35.2	-34.4	219.1	-5.253	-5.149
10	-.061	.003	-41.4	-25.3	217.3	-6.055	-3.854

EXCENTRICIDADES RESULTANTES CABEZA -.116247501432 -.190725751763
EXCENTRICIDADES 1 ORDEN CABEZA -.119650253106 -.190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	23.1	-111.2	235.5	5.662	-26.460
1	-.001	0.000	16.7	-103.8	233.6	3.969	-23.875
2	-.004	.001	10.2	-96.1	231.8	2.332	-21.103
3	-.008	.001	3.6	-87.9	230.0	.797	-18.280
4	-.013	.002	-2.9	-79.6	228.2	-.607	-15.495
5	-.020	.003	-9.5	-70.9	226.4	-1.852	-12.843
6	-.027	.003	-16.0	-62.1	224.6	-2.921	-10.435
7	-.035	.004	-22.4	-53.1	222.8	-3.821	-8.383
8	-.044	.004	-28.8	-44.0	220.9	-4.587	-6.721
9	-.053	.003	-35.2	-34.8	219.1	-5.328	-5.290
10	-.063	.003	-41.4	-25.6	217.3	-6.123	-3.960

EXCENTRICIDADES RESULTANTES CABEZA -.117818081681 -.190609688011
EXCENTRICIDADES 1 ORDEN CABEZA -.119650253106 -.190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	23.1	-111.6	235.5	5.737	-26.936
1	-.001	0.000	16.7	-104.2	233.6	4.009	-24.220
2	-.004	.001	10.2	-96.4	231.8	2.355	-21.399
3	-.008	.001	3.7	-88.3	230.0	.807	-18.550
4	-.013	.002	-2.9	-79.9	228.2	-.609	-15.742
5	-.020	.003	-9.4	-71.2	226.4	-1.868	-13.063
6	-.027	.003	-16.0	-62.4	224.6	-2.951	-10.617
7	-.036	.004	-22.4	-53.4	222.8	-3.861	-8.516
8	-.045	.004	-28.8	-44.3	220.9	-4.630	-6.812
9	-.054	.003	-35.2	-35.1	219.1	-5.367	-5.356
10	-.064	.003	-41.4	-25.8	217.3	-6.156	-4.009

EXCENTRICIDADES RESULTANTES CABEZA -.118680160666 -.190557565203
EXCENTRICIDADES 1 ORDEN CABEZA -.119650253106 -.190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	23.1	-111.8	235.5	5.771	-27.157
1	-.001	0.000	16.7	-104.4	233.6	4.029	-24.396
2	-.004	.001	10.2	-96.6	231.8	2.367	-21.558
3	-.008	.001	3.7	-88.5	230.0	.812	-18.699
4	-.013	.002	-2.9	-80.1	228.2	-.611	-15.882
5	-.020	.003	-9.4	-71.4	226.4	-1.878	-13.188
6	-.028	.003	-16.0	-62.6	224.6	-2.968	-10.720
7	-.036	.004	-22.4	-53.5	222.8	-3.883	-8.589
8	-.045	.004	-28.8	-44.4	220.9	-4.652	-6.860
9	-.054	.003	-35.2	-35.2	219.1	-5.386	-5.391
10	-.064	.003	-41.4	-25.9	217.3	-6.172	-4.034

EXCENTRICIDADES RESULTANTES CABEZA -.119140057664 -.190535467161
EXCENTRICIDADES 1 ORDEN CABEZA -.119650253106 -.190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	23.1	-111.9	235.5	5.786	-27.261
1	-.001	0.000	16.7	-104.5	233.6	4.039	-24.485
2	-.004	.001	10.2	-96.7	231.8	2.373	-21.642
3	-.008	.001	3.7	-88.6	230.0	.815	-18.780
4	-.013	.002	-2.9	-80.2	228.2	-.613	-15.958
5	-.020	.003	-9.4	-71.5	226.4	-1.884	-13.257
6	-.028	.003	-16.0	-62.6	224.6	-2.978	-10.777
7	-.036	.004	-22.4	-53.6	222.8	-3.895	-8.629
8	-.045	.004	-28.8	-44.5	220.9	-4.664	-6.886
9	-.055	.003	-35.2	-35.2	219.1	-5.396	-5.409
10	-.064	.003	-41.4	-25.9	217.3	-6.179	-4.046

EXCENTRICIDADES RESULTANTES CABEZA -.119382663476 -.190526177456
EXCENTRICIDADES 1 ORDEN CABEZA -.119650253106 -.190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	23.1	-111.9	235.5	5.793	-27.312
1	-.001	0.000	16.7	-104.6	233.6	4.044	-24.531
2	-.004	.001	10.2	-96.8	231.8	2.377	-21.686
3	-.008	.001	3.7	-88.7	230.0	.816	-18.823
4	-.013	.002	-2.9	-80.2	228.2	-.614	-16.000

5	-.020	.003	-9.4	-71.6	226.4	-1.887	-13.294
6	-.028	.003	-16.0	-62.7	224.6	-2.984	-10.807
7	-.036	.004	-22.4	-53.7	222.8	-3.901	-8.651
8	-.045	.004	-28.8	-44.5	220.9	-4.668	-6.898
9	-.055	.003	-35.2	-35.3	219.1	-5.400	-5.418
10	-.065	.003	-41.4	-26.0	217.3	-6.184	-4.053

EXCENTRICIDADES RESULTANTES CABEZA -.119510307984 -.190522681548
EXCENTRICIDADES 1 ORDEN CABEZA -.119650253106 -.190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	23.2	-112.0	235.5	5.797	-27.336
1	-.001	0.000	16.7	-104.6	233.6	4.046	-24.554
2	-.004	.001	10.2	-96.8	231.8	2.378	-21.709
3	-.008	.001	3.7	-88.7	230.0	.817	-18.846
4	-.013	.002	-2.9	-80.3	228.2	-.614	-16.022
5	-.020	.003	-9.4	-71.6	226.4	-1.888	-13.315
6	-.028	.003	-16.0	-62.7	224.6	-2.987	-10.824
7	-.036	.004	-22.4	-53.7	222.8	-3.904	-8.660
8	-.045	.004	-28.8	-44.5	220.9	-4.673	-6.906
9	-.055	.003	-35.2	-35.3	219.1	-5.402	-5.422
10	-.065	.003	-41.4	-26.0	217.3	-6.186	-4.056

EXCENTRICIDADES RESULTANTES CABEZA -.119577163758 -.190521121544
EXCENTRICIDADES 1 ORDEN CABEZA -.119650253106 -.190520018408
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 3 TANTEO 0

Fpx= 5 t Fpy= 13.2 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	42.7	50.7	207.2	7.356	8.552
1	0.000	0.000	31.5	46.4	205.3	5.757	8.326
2	.001	.001	20.3	42.0	203.5	3.625	7.198
3	.003	.002	9.0	37.6	201.7	1.508	5.882
4	.004	.003	-2.3	33.0	199.9	-.360	4.666
5	.007	.004	-13.6	28.4	198.1	-1.926	3.716
6	.009	.005	-24.9	23.7	196.3	-3.326	3.094
7	.012	.005	-36.1	19.0	194.5	-4.869	2.575
8	.014	.006	-47.2	14.3	192.6	-6.602	2.102
9	.017	.006	-58.3	9.6	190.8	-8.773	1.570
10	.020	.005	-69.3	4.8	189.0	-11.592	.871

EXCENTRICIDADES RESULTANTES CABEZA .0253135127777 -.366400701765
EXCENTRICIDADES 1 ORDEN CABEZA .0455026455026 -.361904761905

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	43.6	55.0	207.2	7.955	9.836
1	0.000	0.000	32.5	50.7	205.3	5.793	8.651
2	.001	.001	21.2	46.3	203.5	3.555	7.222
3	.003	.002	9.9	41.7	201.7	1.531	5.884
4	.005	.003	-1.4	37.1	199.9	-.197	4.849
5	.007	.004	-12.7	32.4	198.1	-1.696	4.224
6	.009	.005	-24.0	27.7	196.3	-3.232	3.739
7	.012	.006	-35.2	22.9	194.5	-4.914	3.354
8	.015	.006	-46.4	18.1	192.6	-6.964	2.958
9	.018	.006	-57.5	13.2	190.8	-9.592	2.395
10	.022	.005	-68.5	8.3	189.0	-12.816	1.661

EXCENTRICIDADES RESULTANTES CABEZA .0440431937224 -.362169132318
EXCENTRICIDADES 1 ORDEN CABEZA .0455026455026 -.361904761905

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	43.6	55.0	207.2	8.338	10.249
1	0.000	0.000	32.5	50.7	205.3	5.865	8.741
2	.001	.001	21.2	46.3	203.5	3.556	7.221
3	.003	.002	9.9	41.8	201.7	1.530	5.893
4	.005	.003	-1.4	37.2	199.9	-.201	4.902
5	.007	.004	-12.7	32.5	198.1	-1.746	4.282
6	.010	.005	-24.0	27.8	196.3	-3.324	3.815
7	.012	.006	-35.2	23.0	194.5	-5.066	3.430
8	.015	.006	-46.4	18.2	192.6	-7.199	3.061
9	.019	.006	-57.5	13.4	190.8	-9.995	2.513
10	.022	.005	-68.4	8.5	189.0	-13.366	1.761

EXCENTRICIDADES RESULTANTES CABEZA .0451909302612 -.36194685058
EXCENTRICIDADES 1 ORDEN CABEZA .0455026455026 -.361904761905

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	43.6	55.0	207.2	8.472	10.437
1	0.000	0.000	32.5	50.7	205.3	5.889	8.786
2	.001	.001	21.2	46.3	203.5	3.557	7.228
3	.003	.002	9.9	41.8	201.7	1.531	5.901
4	.005	.003	-1.4	37.2	199.9	-.201	4.922
5	.007	.004	-12.7	32.6	198.1	-1.755	4.303
6	.010	.005	-24.0	27.8	196.3	-3.346	3.846
7	.012	.006	-35.2	23.1	194.5	-5.109	3.472
8	.016	.006	-46.4	18.3	192.6	-7.293	3.105
9	.019	.006	-57.5	13.4	190.8	-10.171	2.556
10	.022	.005	-68.4	8.6	189.0	-13.598	1.791

EXCENTRICIDADES RESULTANTES CABEZA .0453569855523 -.361923961673
EXCENTRICIDADES 1 ORDEN CABEZA .0455026455026 -.361904761905

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	43.6	55.0	207.2	8.528	10.512
1	0.000	0.000	32.5	50.7	205.3	5.901	8.808
2	.001	.001	21.2	46.3	203.5	3.558	7.233
3	.003	.002	9.9	41.8	201.7	1.532	5.907
4	.005	.003	-1.4	37.2	199.9	-.202	4.930
5	.007	.004	-12.7	32.6	198.1	-1.758	4.310
6	.010	.005	-24.0	27.9	196.3	-3.353	3.856
7	.013	.006	-35.2	23.1	194.5	-5.125	3.487
8	.016	.006	-46.4	18.3	192.6	-7.331	3.123
9	.019	.006	-57.5	13.5	190.8	-10.245	2.574
10	.022	.005	-68.4	8.6	189.0	-13.692	1.804

EXCENTRICIDADES RESULTANTES CABEZA .0454411731285 -.361916453739
EXCENTRICIDADES 1 ORDEN CABEZA .0455026455026 -.361904761905

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	43.6	55.0	207.2	8.551	10.543
1	0.000	0.000	32.5	50.8	205.3	5.906	8.817
2	.001	.001	21.2	46.3	203.5	3.559	7.236
3	.003	.002	9.9	41.8	201.7	1.533	5.910
4	.005	.003	-1.4	37.2	199.9	-.201	4.933
5	.007	.004	-12.7	32.6	198.1	-1.759	4.313
6	.010	.005	-24.0	27.9	196.3	-3.355	3.860
7	.013	.006	-35.2	23.1	194.5	-5.129	3.491
8	.016	.006	-46.4	18.3	192.6	-7.346	3.131
9	.019	.006	-57.5	13.5	190.8	-10.276	2.582
10	.022	.005	-68.4	8.6	189.0	-13.730	1.809

EXCENTRICIDADES RESULTANTES CABEZA .0454764459297 -.361910802518
EXCENTRICIDADES 1 ORDEN CABEZA .0455026455026 -.361904761905

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	43.6	55.0	207.2	8.560	10.555
1	0.000	0.000	32.5	50.8	205.3	5.908	8.820
2	.001	.001	21.2	46.4	203.5	3.560	7.237
3	.003	.002	9.9	41.8	201.7	1.534	5.913
4	.005	.003	-1.4	37.3	199.9	-.201	4.934
5	.007	.004	-12.7	32.6	198.1	-1.759	4.314
6	.010	.005	-24.0	27.9	196.3	-3.356	3.861
7	.013	.006	-35.2	23.1	194.5	-5.131	3.493
8	.016	.006	-46.4	18.3	192.6	-7.350	3.133
9	.019	.006	-57.5	13.5	190.8	-10.288	2.585
10	.022	.005	-68.4	8.6	189.0	-13.746	1.812

EXCENTRICIDADES RESULTANTES CABEZA .0454917119756 -.361907776195
EXCENTRICIDADES 1 ORDEN CABEZA .0455026455026 -.361904761905

CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 4 TANTEO 0

Fpx= -8.5 t Fpy= 12.3 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	40.0	-82.9	185.1	8.256	-16.461
1	-.001	0.000	29.6	-75.6	183.2	6.747	-17.011
2	-.002	.001	19.1	-68.1	181.4	4.376	-15.377
3	-.005	.002	8.6	-60.5	179.6	1.897	-13.047
4	-.009	.003	-2.0	-52.7	177.8	-.419	-10.603
5	-.014	.005	-12.5	-44.7	176.0	-2.473	-8.285
6	-.019	.006	-23.0	-36.7	174.2	-4.221	-6.245
7	-.024	.006	-33.5	-28.7	172.4	-5.664	-4.629
8	-.030	.007	-43.9	-20.6	170.5	-7.087	-3.401
9	-.036	.006	-54.2	-12.4	168.7	-8.939	-2.191
10	-.043	.006	-64.4	-4.3	166.9	-11.431	-.809

EXCENTRICIDADES RESULTANTES CABEZA -.0255279536808 -.38579824956
EXCENTRICIDADES 1 ORDEN CABEZA -.0677052127022 -.380467345716

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	41.0	-90.9	185.1	9.339	-20.393
1	-.001	0.000	30.6	-83.6	183.2	7.000	-18.799
2	-.003	.001	20.1	-76.0	181.4	4.445	-16.333
3	-.006	.002	9.6	-68.2	179.6	2.004	-13.673
4	-.010	.004	-1.0	-60.2	177.8	-.203	-11.104
5	-.015	.005	-11.6	-52.1	176.0	-2.120	-8.823
6	-.021	.006	-22.2	-43.9	174.2	-3.733	-7.065
7	-.027	.007	-32.7	-35.6	172.4	-5.255	-5.874
8	-.033	.007	-43.1	-27.3	170.5	-7.081	-4.795
9	-.040	.007	-53.4	-18.9	168.7	-9.448	-3.579
10	-.047	.007	-63.7	-10.5	166.9	-12.405	-2.156

EXCENTRICIDADES RESULTANTES CABEZA -.0631318600124 -.381510248808
EXCENTRICIDADES 1 ORDEN CABEZA -.0677052127022 -.380467345716

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	41.1	-91.1	185.1	9.942	-21.950
1	-.001	0.000	30.7	-83.8	183.2	7.222	-19.490
2	-.003	.001	20.2	-76.2	181.4	4.548	-16.749
3	-.006	.002	9.7	-68.5	179.6	2.057	-13.990
4	-.011	.004	-.9	-60.5	177.8	2.057	-11.377
5	-.016	.005	-11.5	-52.5	176.0	-2.147	-9.077
6	-.022	.007	-22.1	-44.3	174.2	-3.865	-7.271
7	-.028	.008	-32.6	-36.1	172.4	-5.497	-5.990
8	-.035	.008	-43.1	-27.7	170.5	-7.332	-4.934
9	-.042	.008	-53.5	-19.4	168.7	-9.791	-3.757
10	-.049	.008	-63.7	-11.0	166.9	-12.870	-2.315

EXCENTRICIDADES RESULTANTES CABEZA -.066000308317 -.381707566753
EXCENTRICIDADES 1 ORDEN CABEZA -.0677052127022 -.380467345716

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	41.4	-91.3	185.1	10.204	-22.558
1	-.001	0.000	30.9	-84.0	183.2	7.350	-19.802
2	-.003	.001	20.4	-76.5	181.4	4.630	-16.963
3	-.006	.002	9.9	-68.7	179.6	2.116	-14.168
4	-.011	.004	-.7	-60.8	177.8	2.116	-11.592
5	-.016	.005	-11.3	-52.7	176.0	-2.130	-9.221
6	-.022	.007	-21.9	-44.5	174.2	-3.873	-7.394
7	-.028	.008	-32.4	-36.2	172.4	-5.520	-6.101
8	-.035	.008	-42.9	-27.9	170.5	-7.397	-5.028
9	-.042	.009	-53.3	-19.6	168.7	-9.911	-3.835
10	-.050	.008	-63.5	-11.2	166.9	-13.031	-2.372

EXCENTRICIDADES RESULTANTES CABEZA -.0668635932911 -.3807229138
EXCENTRICIDADES 1 ORDEN CABEZA -.0677052127022 -.380467345716

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	41.4	-91.4	185.1	10.292	-22.802
1	-.001	0.000	31.0	-84.1	183.2	7.391	-19.947
2	-.003	.001	20.5	-76.6	181.4	4.655	-17.074
3	-.006	.002	9.9	-68.8	179.6	2.131	-14.266
4	-.011	.004	-.7	-60.9	177.8	2.131	-11.706
5	-.016	.005	-11.3	-52.8	176.0	-2.136	-9.299
6	-.022	.007	-21.9	-44.6	174.2	-3.889	-7.453
7	-.029	.008	-32.4	-36.4	172.4	-5.545	-6.140
8	-.035	.009	-42.9	-28.0	170.5	-7.428	-5.064
9	-.043	.009	-53.3	-19.6	168.7	-9.958	-3.867
10	-.050	.008	-63.5	-11.2	166.9	-13.090	-2.397

EXCENTRICIDADES RESULTANTES CABEZA -.0673079145646 -.380531908317
EXCENTRICIDADES 1 ORDEN CABEZA -.0677052127022 -.380467345716

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	41.4	-91.5	185.1	10.324	-22.897
1	-.001	0.000	31.0	-84.2	183.2	7.408	-20.011
2	-.003	.001	20.5	-76.7	181.4	4.665	-17.129
3	-.006	.002	9.9	-68.9	179.6	2.137	-14.317
4	-.011	.004	-.7	-60.9	177.8	2.137	-11.763
5	-.016	.005	-11.3	-52.9	176.0	-2.140	-9.340
6	-.022	.007	-21.9	-44.7	174.2	-3.899	-7.483
7	-.029	.008	-32.4	-36.4	172.4	-5.556	-6.160
8	-.036	.009	-42.9	-28.1	170.5	-7.442	-5.080
9	-.043	.009	-53.2	-19.7	168.7	-9.978	-3.882
10	-.050	.008	-63.5	-11.3	166.9	-13.112	-2.408

EXCENTRICIDADES RESULTANTES CABEZA -.0675190628392 -.380491510181
EXCENTRICIDADES 1 ORDEN CABEZA -.0677052127022 -.380467345716

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	41.4	-91.5	185.1	10.337	-22.935
1	-.001	0.000	31.0	-84.2	183.2	7.416	-20.040
2	-.003	.001	20.5	-76.7	181.4	4.670	-17.155
3	-.006	.002	9.9	-68.9	179.6	2.140	-14.342
4	-.011	.004	-.7	-61.0	177.8	2.140	-11.792
5	-.016	.005	-11.3	-52.9	176.0	-2.143	-9.362
6	-.022	.007	-21.9	-44.7	174.2	-3.904	-7.498
7	-.029	.008	-32.4	-36.4	172.4	-5.562	-6.170
8	-.036	.009	-42.9	-28.1	170.5	-7.449	-5.088
9	-.043	.009	-53.2	-19.7	168.7	-9.987	-3.888
10	-.050	.008	-63.5	-11.3	166.9	-13.121	-2.412

EXCENTRICIDADES RESULTANTES CABEZA -.0676180530423 -.380477271946
EXCENTRICIDADES 1 ORDEN CABEZA -.0677052127022 -.380467345716

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	41.4	-91.6	185.1	10.342	-22.951
1	-.001	0.000	31.0	-84.3	183.2	7.419	-20.053
2	-.003	.001	20.5	-76.7	181.4	4.673	-17.168
3	-.006	.002	9.9	-68.9	179.6	2.142	-14.355
4	-.011	.004	-.7	-61.0	177.8	2.142	-11.806
5	-.016	.005	-11.3	-52.9	176.0	-2.144	-9.373
6	-.022	.007	-21.9	-44.7	174.2	-3.905	-7.503
7	-.029	.008	-32.4	-36.4	172.4	-5.564	-6.174
8	-.036	.009	-42.9	-28.1	170.5	-7.450	-5.091
9	-.043	.009	-53.2	-19.7	168.7	-9.988	-3.890
10	-.050	.008	-63.5	-11.3	166.9	-13.122	-2.414

EXCENTRICIDADES RESULTANTES CABEZA -.0676652945844 -.380472328855
EXCENTRICIDADES 1 ORDEN CABEZA -.0677052127022 -.380467345716
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 5 TANTEO 0

Fpx= -3.6 t Fpy= 8.8 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	37.7	-37.0	182.9	6.138	-6.037
1	-0.000	0.000	28.1	-33.9	181.0	4.767	-5.779
2	-.001	.001	18.6	-30.8	179.2	3.049	-4.940
3	-.002	.002	9.3	-27.6	177.4	1.418	-4.021
4	-.003	.002	.2	-24.4	175.6	1.418	-3.219
5	-.005	.003	-8.6	-21.1	173.8	-1.132	-2.702
6	-.006	.004	-17.2	-17.8	172.0	-2.178	-2.232
7	-.008	.005	-25.6	-14.5	170.2	-3.268	-1.847
8	-.010	.006	-33.6	-11.1	168.3	-4.399	-1.491
9	-.012	.006	-41.4	-7.8	166.5	-5.657	-1.143
10	-.014	.006	-48.9	-4.4	164.7	-7.216	-.712

EXCENTRICIDADES RESULTANTES CABEZA -.0266452193715 -.296734587158
EXCENTRICIDADES 1 ORDEN CABEZA -.0406800242866 -.291438979964

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	38.7	-39.7	182.9	6.560	-6.731
1	-0.000	0.000	29.1	-36.6	181.0	4.755	-5.845
2	-.001	.001	19.6	-33.4	179.2	2.978	-4.851
3	-.002	.002	10.3	-30.2	177.4	1.429	-3.978
4	-.003	.002	1.2	-26.9	175.6	.155	-3.441
5	-.005	.003	-7.7	-23.6	173.8	-.969	-2.959
6	-.006	.004	-16.3	-20.2	172.0	-2.078	-2.580
7	-.008	.005	-24.6	-16.8	170.2	-3.215	-2.253
8	-.010	.005	-32.7	-13.4	168.3	-4.454	-1.972
9	-.013	.005	-40.5	-10.0	166.5	-5.953	-1.618
10	-.015	.005	-47.9	-6.6	164.7	-7.764	-1.164

EXCENTRICIDADES RESULTANTES CABEZA -.039993286338 -.291079316837
EXCENTRICIDADES 1 ORDEN CABEZA -.0406800242866 -.291438979964

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	38.6	-39.5	182.9	6.770	-6.918
1	-0.000	0.000	28.9	-36.5	181.0	4.747	-5.840
2	-.001	.001	19.4	-33.3	179.2	2.936	-4.811
3	-.002	.002	10.1	-30.1	177.4	1.406	-3.966
4	-.003	.002	1.1	-26.9	175.6	.139	-3.379
5	-.005	.003	-7.8	-23.6	173.8	-.990	-2.965
6	-.006	.004	-16.4	-20.2	172.0	-2.115	-2.601
7	-.008	.005	-24.7	-16.9	170.2	-3.275	-2.280
8	-.010	.005	-32.8	-13.5	168.3	-4.546	-1.999
9	-.013	.005	-40.5	-10.1	166.5	-6.114	-1.667
10	-.015	.005	-48.0	-6.7	164.7	-8.028	-1.214

EXCENTRICIDADES RESULTANTES CABEZA -.0406513762011 -.291410219385
EXCENTRICIDADES 1 ORDEN CABEZA -.0406800242866 -.291438979964

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	38.6	-39.5	182.9	6.845	-6.997
1	-0.000	0.000	28.9	-36.5	181.0	4.745	-5.837
2	-.001	.001	19.4	-33.3	179.2	2.926	-4.794
3	-.002	.002	10.1	-30.1	177.4	1.404	-3.961
4	-.003	.002	1.1	-26.9	175.6	.137	-3.372
5	-.005	.003	-7.8	-23.6	173.8	-.992	-2.967
6	-.006	.004	-16.4	-20.2	172.0	-2.120	-2.606
7	-.008	.005	-24.7	-16.9	170.2	-3.287	-2.290
8	-.010	.005	-32.8	-13.5	168.3	-4.573	-2.015
9	-.013	.005	-40.5	-10.1	166.5	-6.179	-1.684
10	-.015	.005	-48.0	-6.7	164.7	-8.143	-1.228

EXCENTRICIDADES RESULTANTES CABEZA -.0406614993909 -.291444313783
EXCENTRICIDADES 1 ORDEN CABEZA -.0406800242866 -.291438979964

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	38.6	-39.5	182.9	6.874	-7.026
1	-0.000	0.000	28.9	-36.5	181.0	4.745	-5.836
2	-.001	.001	19.4	-33.3	179.2	2.923	-4.790
3	-.002	.002	10.1	-30.1	177.4	1.404	-3.961
4	-.003	.002	1.1	-26.9	175.6	.137	-3.371
5	-.005	.003	-7.8	-23.6	173.8	-.992	-2.967
6	-.006	.004	-16.4	-20.2	172.0	-2.121	-2.608
7	-.008	.005	-24.7	-16.9	170.2	-3.290	-2.293
8	-.010	.005	-32.8	-13.5	168.3	-4.582	-2.020
9	-.013	.005	-40.5	-10.1	166.5	-6.205	-1.691
10	-.015	.005	-48.0	-6.7	164.7	-8.191	-1.234

EXCENTRICIDADES RESULTANTES CABEZA -.0406699825506 -.291443241764
EXCENTRICIDADES 1 ORDEN CABEZA -.0406800242866 -.291438979964

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	38.6	-39.5	182.9	6.885	-7.038
1	-0.000	0.000	28.9	-36.5	181.0	4.745	-5.837
2	-.001	.001	19.4	-33.3	179.2	2.923	-4.789
3	-.002	.002	10.1	-30.1	177.4	1.404	-3.961
4	-.003	.002	1.1	-26.9	175.6	.137	-3.371
5	-.005	.003	-7.8	-23.6	173.8	-.992	-2.967
6	-.006	.004	-16.4	-20.2	172.0	-2.121	-2.608
7	-.008	.005	-24.7	-16.9	170.2	-3.290	-2.294
8	-.010	.005	-32.8	-13.5	168.3	-4.584	-2.021
9	-.013	.005	-40.5	-10.1	166.5	-6.215	-1.694
10	-.015	.005	-48.0	-6.7	164.7	-8.211	-1.237

EXCENTRICIDADES RESULTANTES CABEZA -.0406755283957 -.291441429142
EXCENTRICIDADES 1 ORDEN CABEZA -.0406800242866 -.291438979964

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	38.6	-39.5	182.9	6.887	-7.041
1	-0.000	0.000	28.9	-36.5	181.0	4.745	-5.837
2	-.001	.001	19.4	-33.3	179.2	2.923	-4.789
3	-.002	.002	10.1	-30.1	177.4	1.404	-3.961
4	-.003	.002	1.1	-26.9	175.6	.137	-3.371
5	-.005	.003	-7.8	-23.6	173.8	-.992	-2.967
6	-.006	.004	-16.4	-20.2	172.0	-2.121	-2.608
7	-.008	.005	-24.7	-16.9	170.2	-3.290	-2.294
8	-.010	.005	-32.8	-13.5	168.3	-4.585	-2.022
9	-.013	.005	-40.5	-10.1	166.5	-6.218	-1.694
10	-.015	.005	-48.0	-6.7	164.7	-8.219	-1.238

EXCENTRICIDADES RESULTANTES CABEZA -.0406787648876 -.291439640247
EXCENTRICIDADES 1 ORDEN CABEZA -.0406800242866 -.291438979964
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 6 TANTEO 0

Fpx= -1.7 t Fpy= 26.6 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	105.0	-19.4	145.7	24.085	-4.463
1	-0.000	.001	84.8	-18.0	143.8	22.505	-4.639
2	-.001	.003	64.0	-16.5	142.0	16.738	-4.193
3	-.001	.007	42.9	-14.9	140.2	10.289	-3.543
4	-.002	.011	21.5	-13.4	138.4	4.361	-2.789
5	-.004	.016	-.2	-11.8	136.6	4.361	-1.874
6	-.005	.021	-22.2	-10.2	134.8	-3.259	-1.608
7	-.007	.026	-44.3	-8.5	133.0	-6.012	-1.220
8	-.008	.030	-66.6	-6.9	131.1	-10.968	-1.230
9	-.010	.034	-89.1	-5.3	129.3	-18.717	-1.135
10	-.011	.036	-111.6	-3.7	127.5	-28.245	-.901

EXCENTRICIDADES RESULTANTES CABEZA -.0286610995124 -.875007061716
EXCENTRICIDADES 1 ORDEN CABEZA -.04 -.84

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	110.4	-21.1	145.7	29.227	-5.450
1	-0.000	.001	90.0	-19.7	143.8	23.461	-4.997
2	-.001	.004	69.2	-18.1	142.0	16.531	-4.293
3	-.002	.008	48.0	-16.6	140.2	9.700	-3.447
4	-.003	.012	26.4	-15.0	138.4	3.992	-2.371
5	-.004	.017	4.6	-13.3	136.6	.674	-2.101
6	-.005	.022	-17.4	-11.7	134.8	-2.357	-1.662

7	-.007	.027	-39.7	-10.0	133.0	-6.497	-1.776
8	-.009	.031	-62.1	-8.4	131.1	-12.987	-1.788
9	-.010	.034	-84.6	-6.7	129.3	-21.342	-1.645
10	-.012	.036	-107.1	-5.0	127.5	-30.333	-1.357

EXCENTRICIDADES RESULTANTES CABEZA -.0392630481557 -.840238641611
EXCENTRICIDADES 1 ORDEN CABEZA -.04 -.84

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	109.8	-21.1	145.7	30.682	-5.693
1	-0.000	.001	89.5	-19.6	143.8	23.627	-5.033
2	-.001	.004	68.7	-18.1	142.0	16.361	-4.269
3	-.002	.008	47.6	-16.5	140.2	9.407	-3.381
4	-.003	.012	26.1	-14.9	138.4	3.789	-2.285
5	-.004	.017	4.3	-13.3	136.6	.538	-1.650
6	-.005	.022	-17.7	-11.7	134.8	-2.282	-1.537
7	-.007	.027	-39.8	-10.1	133.0	-6.770	-1.837
8	-.008	.031	-62.2	-8.4	131.1	-13.862	-1.891
9	-.010	.034	-84.6	-6.8	129.3	-22.194	-1.722
10	-.012	.036	-107.1	-5.1	127.5	-30.863	-1.410

EXCENTRICIDADES RESULTANTES CABEZA -.0401357813301 -.840024411614
EXCENTRICIDADES 1 ORDEN CABEZA -.04 -.84

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	109.8	-21.0	145.7	31.072	-5.752
1	-0.000	.001	89.5	-19.6	143.8	23.678	-5.034
2	-.001	.004	68.7	-18.1	142.0	16.305	-4.250
3	-.002	.008	47.6	-16.5	140.2	9.297	-3.345
4	-.003	.012	26.1	-14.9	138.4	3.731	-2.238
5	-.004	.017	4.3	-13.3	136.6	.534	-1.643
6	-.005	.022	-17.7	-11.7	134.8	-2.260	-1.517
7	-.007	.027	-39.8	-10.1	133.0	-6.887	-1.858
8	-.008	.031	-62.2	-8.4	131.1	-14.185	-1.920
9	-.010	.034	-84.6	-6.8	129.3	-22.440	-1.734
10	-.012	.036	-107.1	-5.1	127.5	-30.988	-1.412

EXCENTRICIDADES RESULTANTES CABEZA -.0400250897718 -.839976078977
EXCENTRICIDADES 1 ORDEN CABEZA -.04 -.84

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	109.8	-21.0	145.7	31.174	-5.770
1	-0.000	.001	89.5	-19.6	143.8	23.691	-5.036
2	-.001	.004	68.7	-18.0	142.0	16.285	-4.246
3	-.002	.008	47.6	-16.5	140.2	9.252	-3.332
4	-.003	.012	26.1	-14.9	138.4	3.710	-2.225
5	-.004	.017	4.3	-13.3	136.6	.533	-1.643
6	-.005	.022	-17.7	-11.7	134.8	-2.257	-1.514
7	-.007	.027	-39.8	-10.1	133.0	-6.936	-1.868
8	-.008	.031	-62.2	-8.4	131.1	-14.301	-1.931
9	-.010	.034	-84.6	-6.8	129.3	-22.510	-1.738
10	-.012	.036	-107.1	-5.1	127.5	-31.018	-1.412

EXCENTRICIDADES RESULTANTES CABEZA -.040003969149 -.839971189125
EXCENTRICIDADES 1 ORDEN CABEZA -.04 -.84

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	109.8	-21.0	145.7	31.200	-5.775
1	-0.000	.001	89.5	-19.6	143.8	23.689	-5.036
2	-.001	.004	68.7	-18.0	142.0	16.282	-4.245
3	-.002	.008	47.6	-16.5	140.2	9.234	-3.327
4	-.003	.012	26.1	-14.9	138.4	3.703	-2.220
5	-.004	.017	4.3	-13.3	136.6	.533	-1.643
6	-.005	.022	-17.7	-11.7	134.8	-2.256	-1.513
7	-.007	.027	-39.9	-10.1	133.0	-6.957	-1.872
8	-.008	.031	-62.2	-8.4	131.1	-14.343	-1.935
9	-.010	.034	-84.6	-6.8	129.3	-22.531	-1.739
10	-.012	.036	-107.1	-5.1	127.5	-31.025	-1.413

EXCENTRICIDADES RESULTANTES CABEZA -.0400016137876 -.839982328556
EXCENTRICIDADES 1 ORDEN CABEZA -.04 -.84

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	109.8	-21.0	145.7	31.206	-5.776
1	-0.000	.001	89.5	-19.6	143.8	23.688	-5.036
2	-.001	.004	68.7	-18.0	142.0	16.279	-4.245
3	-.002	.008	47.6	-16.5	140.2	9.229	-3.326
4	-.003	.012	26.1	-14.9	138.4	3.701	-2.219
5	-.004	.017	4.3	-13.3	136.6	.533	-1.643
6	-.005	.022	-17.7	-11.7	134.8	-2.257	-1.513
7	-.007	.027	-39.9	-10.1	133.0	-6.966	-1.874
8	-.008	.031	-62.2	-8.4	131.1	-14.357	-1.937
9	-.010	.034	-84.6	-6.8	129.3	-22.537	-1.740
10	-.012	.036	-107.1	-5.1	127.5	-31.025	-1.413

EXCENTRICIDADES RESULTANTES CABEZA -.0400005070128 -.83999248088
EXCENTRICIDADES 1 ORDEN CABEZA -.04 -.84
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 7 TANTEO 0

Fpx= -8.5 t Fpy= 3.2 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	7.1	-97.6	246.7	1.427	-18.092
1	-.001	0.000	3.7	-90.3	244.8	.798	-18.505
2	-.003	0.000	.3	-82.7	243.0	.798	-17.129
3	-.006	0.000	-3.0	-74.8	241.2	-.649	-15.052
4	-.010	0.000	-6.3	-66.6	239.4	-1.285	-12.748
5	-.015	0.000	-9.4	-58.3	237.6	-1.826	-10.444
6	-.021	0.000	-12.4	-49.8	235.8	-2.256	-8.260
7	-.027	0.000	-15.3	-41.1	234.0	-2.564	-6.278
8	-.034	-0.000	-18.1	-32.5	232.1	-2.741	-4.586
9	-.042	-.001	-20.7	-23.7	230.3	-2.859	-3.187
10	-.049	-.002	-23.3	-14.9	228.5	-3.039	-1.941

EXCENTRICIDADES RESULTANTES CABEZA -.0652126517519 -.101870545483
EXCENTRICIDADES 1 ORDEN CABEZA -.113785557987 -.103719912473

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	6.7	-109.8	246.7	1.446	-22.461
1	-.001	0.000	3.2	-102.4	244.8	.704	-21.171
2	-.003	0.000	-.2	-94.6	243.0	.704	-19.003
3	-.007	0.000	-3.5	-86.5	241.2	-.712	-16.511
4	-.012	0.000	-6.7	-78.1	239.4	-1.300	-13.969
5	-.017	0.000	-9.8	-69.5	237.6	-1.781	-11.505
6	-.024	0.000	-12.8	-60.7	235.8	-2.144	-9.241
7	-.031	0.000	-15.7	-51.8	234.0	-2.376	-7.301
8	-.039	-0.000	-18.5	-42.7	232.1	-2.545	-5.737
9	-.047	-.001	-21.2	-33.6	230.3	-2.759	-4.375
10	-.056	-.002	-23.7	-24.5	228.5	-3.022	-3.128

EXCENTRICIDADES RESULTANTES CABEZA -.107125220313 -.103699030043
EXCENTRICIDADES 1 ORDEN CABEZA -.113785557987 -.103719912473

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	6.7	-110.7	246.7	1.557	-24.647
1	-.001	0.000	3.2	-103.3	244.8	.741	-22.520
2	-.003	0.000	-.1	-95.6	243.0	.741	-20.010
3	-.007	0.000	-3.5	-87.5	241.2	-.732	-17.346
4	-.012	0.000	-6.7	-79.1	239.4	-1.340	-14.688
5	-.018	0.000	-9.8	-70.4	237.6	-1.843	-12.127
6	-.025	0.000	-12.8	-61.6	235.8	-2.234	-9.769
7	-.033	0.000	-15.7	-52.7	234.0	-2.517	-7.720
8	-.041	-0.000	-18.5	-43.6	232.1	-2.712	-6.035
9	-.050	-.001	-21.2	-34.4	230.3	-2.887	-4.602
10	-.059	-.002	-23.7	-25.2	228.5	-3.098	-3.295

EXCENTRICIDADES RESULTANTES CABEZA -.110349928358 -.10366608242
EXCENTRICIDADES 1 ORDEN CABEZA -.113785557987 -.103719912473

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	6.7	-111.4	246.7	1.600	-25.701

1	-.001	0.000	3.2	-104.1	244.8	.752	-23.236
2	-.003	0.000	-.2	-96.3	243.0	.752	-20.584
3	-.007	0.000	-3.5	-88.2	241.2	-.747	-17.844
4	-.013	0.000	-6.7	-79.7	239.4	-1.366	-15.126
5	-.019	0.000	-9.8	-71.1	237.6	-1.880	-12.507
6	-.026	0.000	-12.8	-62.2	235.8	-2.282	-10.083
7	-.034	0.000	-15.7	-53.2	234.0	-2.573	-7.957
8	-.043	-0.000	-18.5	-44.1	232.1	-2.767	-6.193
9	-.052	-.001	-21.2	-34.8	230.3	-2.929	-4.707
10	-.061	-.002	-23.7	-25.6	228.5	-3.121	-3.362

EXCENTRICIDADES RESULTANTES CABEZA -.111895802147 -.103681094918
EXCENTRICIDADES 1 ORDEN CABEZA -.113785557987 -.103719912473

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	6.7	-111.9	246.7	1.620	-26.206
1	-.001	0.000	3.2	-104.5	244.8	.758	-23.611
2	-.004	0.000	-.2	-96.7	243.0	.758	-20.903
3	-.008	0.000	-3.5	-88.6	241.2	-.756	-18.131
4	-.013	0.000	-6.7	-80.1	239.4	-1.381	-15.385
5	-.019	0.000	-9.8	-71.4	237.6	-1.902	-12.732
6	-.027	0.000	-12.8	-62.5	235.8	-2.310	-10.267
7	-.035	0.000	-15.7	-53.5	234.0	-2.605	-8.090
8	-.043	-0.000	-18.5	-44.3	232.1	-2.796	-6.275
9	-.053	-.001	-21.2	-35.1	230.3	-2.948	-4.759
10	-.062	-.002	-23.7	-25.8	228.5	-3.130	-3.396

EXCENTRICIDADES RESULTANTES CABEZA -.112761384924 -.103694381547
EXCENTRICIDADES 1 ORDEN CABEZA -.113785557987 -.103719912473

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	6.7	-112.1	246.7	1.628	-26.448
1	-.001	0.000	3.2	-104.7	244.8	.760	-23.806
2	-.004	0.000	-.2	-96.9	243.0	.760	-21.077
3	-.008	0.000	-3.5	-88.8	241.2	-.761	-18.293
4	-.013	0.000	-6.7	-80.3	239.4	-1.391	-15.533
5	-.020	0.000	-9.8	-71.6	237.6	-1.915	-12.862
6	-.027	0.000	-12.8	-62.7	235.8	-2.327	-10.372
7	-.035	0.000	-15.7	-53.7	234.0	-2.622	-8.164
8	-.044	-0.000	-18.5	-44.5	232.1	-2.811	-6.319
9	-.053	-.001	-21.2	-35.2	230.3	-2.957	-4.785
10	-.063	-.002	-23.7	-25.9	228.5	-3.135	-3.414

EXCENTRICIDADES RESULTANTES CABEZA -.113234840322 -.103703880951
EXCENTRICIDADES 1 ORDEN CABEZA -.113785557987 -.103719912473

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	6.6	-112.2	246.7	1.632	-26.566
1	-.001	0.000	3.2	-104.8	244.8	.762	-23.908
2	-.004	0.000	-.2	-97.0	243.0	.762	-21.172
3	-.008	0.000	-3.5	-88.9	241.2	-.764	-18.382
4	-.013	0.000	-6.7	-80.4	239.4	-1.396	-15.616
5	-.020	0.000	-9.8	-71.7	237.6	-1.923	-12.935
6	-.027	0.000	-12.8	-62.8	235.8	-2.336	-10.431
7	-.035	0.000	-15.7	-53.7	234.0	-2.632	-8.205
8	-.044	-0.000	-18.5	-44.6	232.1	-2.819	-6.343
9	-.053	-.001	-21.2	-35.3	230.3	-2.962	-4.801
10	-.063	-.002	-23.7	-25.9	228.5	-3.138	-3.424

EXCENTRICIDADES RESULTANTES CABEZA -.113490279908 -.103710113478
EXCENTRICIDADES 1 ORDEN CABEZA -.113785557987 -.103719912473

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	6.6	-112.3	246.7	1.634	-26.625
1	-.001	0.000	3.2	-104.9	244.8	.762	-23.962
2	-.004	0.000	-.2	-97.1	243.0	.762	-21.223
3	-.008	0.000	-3.5	-89.0	241.2	-.766	-18.431
4	-.013	0.000	-6.7	-80.5	239.4	-1.399	-15.661
5	-.020	0.000	-9.8	-71.8	237.6	-1.927	-12.976
6	-.027	0.000	-12.9	-62.9	235.8	-2.341	-10.464
7	-.035	0.000	-15.7	-53.8	234.0	-2.637	-8.227
8	-.044	-0.000	-18.5	-44.6	232.1	-2.823	-6.355
9	-.053	-.001	-21.2	-35.3	230.3	-2.965	-4.808
10	-.063	-.002	-23.7	-26.0	228.5	-3.139	-3.430

EXCENTRICIDADES RESULTANTES CABEZA -.113627588064 -.103714246311
EXCENTRICIDADES 1 ORDEN CABEZA -.113785557987 -.103719912473

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	6.6	-112.3	246.7	1.635	-26.655
1	-.001	0.000	3.2	-104.9	244.8	.762	-23.990
2	-.004	0.000	-.2	-97.1	243.0	.762	-21.250
3	-.008	0.000	-3.5	-89.0	241.2	-.767	-18.458
4	-.013	0.000	-6.7	-80.5	239.4	-1.400	-15.687
5	-.020	0.000	-9.8	-71.8	237.6	-1.929	-12.998
6	-.027	0.000	-12.9	-62.9	235.8	-2.344	-10.482
7	-.035	0.000	-15.7	-53.8	234.0	-2.639	-8.237
8	-.044	-0.000	-18.5	-44.6	232.1	-2.825	-6.361
9	-.053	-.001	-21.2	-35.3	230.3	-2.967	-4.813
10	-.063	-.002	-23.7	-26.0	228.5	-3.140	-3.432

EXCENTRICIDADES RESULTANTES CABEZA -.113701474001 -.103716832741
EXCENTRICIDADES 1 ORDEN CABEZA -.113785557987 -.103719912473
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 8 TANTEO 0

Fpx= -9 t Fpy= 7.6 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	22.5	-106.2	235.5	4.715	-20.856
1	-.001	0.000	16.1	-97.7	233.6	3.714	-21.656
2	-.003	.001	9.6	-88.9	231.8	2.243	-19.986
3	-.007	.001	3.1	-80.0	230.0	.703	-17.419
4	-.012	.002	-3.4	-70.8	228.2	-.751	-14.623
5	-.018	.002	-10.0	-61.5	226.4	-2.055	-11.860
6	-.024	.003	-16.4	-52.1	224.6	-3.173	-9.272
7	-.032	.003	-22.9	-42.6	222.8	-4.072	-6.969
8	-.040	.003	-29.3	-33.2	220.9	-4.732	-5.061
9	-.048	.003	-35.6	-23.7	219.1	-5.302	-3.516
10	-.057	.002	-41.8	-14.3	217.3	-5.957	-2.113

EXCENTRICIDADES RESULTANTES CABEZA -.0658419422604 -.192221484892
EXCENTRICIDADES 1 ORDEN CABEZA -.121951219512 -.190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	23.0	-119.7	235.5	5.288	-26.473
1	-.001	0.000	16.5	-111.1	233.6	3.851	-24.902
2	-.004	.001	10.0	-102.1	231.8	2.278	-22.194
3	-.008	.001	3.5	-92.9	230.0	.760	-19.142
4	-.014	.002	-3.1	-83.4	228.2	-.630	-16.055
5	-.020	.003	-9.6	-73.8	226.4	-1.847	-13.108
6	-.028	.003	-16.1	-64.1	224.6	-2.859	-10.449
7	-.036	.003	-22.6	-54.2	222.8	-3.640	-8.261
8	-.045	.003	-29.0	-44.4	220.9	-4.310	-6.562
9	-.055	.003	-35.3	-34.5	219.1	-5.024	-5.087
10	-.065	.003	-41.6	-24.7	217.3	-5.831	-3.750

EXCENTRICIDADES RESULTANTES CABEZA -.113816501 -.191243230746
EXCENTRICIDADES 1 ORDEN CABEZA -.121951219512 -.190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	23.1	-120.7	235.5	5.730	-29.125
1	-.001	0.000	16.7	-112.2	233.6	4.055	-26.462
2	-.004	.001	10.2	-103.2	231.8	2.386	-23.343
3	-.008	.001	3.6	-94.0	230.0	.812	-20.107
4	-.014	.002	-2.9	-84.6	228.2	-.623	-16.903
5	-.022	.003	-9.5	-74.9	226.4	-1.887	-13.851
6	-.030	.003	-16.0	-65.2	224.6	-2.958	-11.085
7	-.039	.004	-22.5	-55.3	222.8	-3.843	-8.750
8	-.048	.004	-28.9	-45.4	220.9	-4.585	-6.892

9	-.058	.003	-35.2	-35.5	219.1	-5.290	-5.330
10	-.069	.003	-41.5	-25.6	217.3	-6.062	-3.910

EXCENTRICIDADES RESULTANTES CABEZA -.117922271299 -.190752711398
EXCENTRICIDADES 1 ORDEN CABEZA -.121951219512 -.190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	23.2	-121.6	235.5	5.913	-30.322
1	-.001	0.000	16.7	-113.0	233.6	4.143	-27.246
2	-.004	.001	10.2	-104.1	231.8	2.434	-23.979
3	-.009	.001	3.7	-94.8	230.0	.834	-20.671
4	-.015	.002	-2.9	-85.3	228.2	-.626	-17.413
5	-.022	.003	-9.4	-75.6	226.4	-1.916	-14.305
6	-.031	.003	-16.0	-65.8	224.6	-3.015	-11.470
7	-.040	.004	-22.4	-55.9	222.8	-3.922	-9.046
8	-.050	.004	-28.8	-46.0	220.9	-4.670	-7.106
9	-.060	.004	-35.2	-36.0	219.1	-5.373	-5.493
10	-.071	.003	-41.4	-26.0	217.3	-6.136	-4.031

EXCENTRICIDADES RESULTANTES CABEZA -.119799363666 -.190616443711
EXCENTRICIDADES 1 ORDEN CABEZA -.121951219512 -.190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	23.2	-122.0	235.5	5.992	-30.862
1	-.001	0.000	16.7	-113.4	233.6	4.185	-27.640
2	-.004	.001	10.2	-104.5	231.8	2.459	-24.321
3	-.009	.001	3.7	-95.2	230.0	.845	-20.987
4	-.015	.002	-2.9	-85.7	228.2	-.628	-17.707
5	-.023	.003	-9.4	-76.0	226.4	-1.934	-14.571
6	-.031	.003	-16.0	-66.2	224.6	-3.048	-11.695
7	-.041	.004	-22.4	-56.2	222.8	-3.968	-9.213
8	-.051	.004	-28.8	-46.2	220.9	-4.720	-7.217
9	-.061	.004	-35.2	-36.2	219.1	-5.419	-5.573
10	-.072	.003	-41.4	-26.3	217.3	-6.173	-4.087

EXCENTRICIDADES RESULTANTES CABEZA -.120820148269 -.190557494864
EXCENTRICIDADES 1 ORDEN CABEZA -.121951219512 -.190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	23.2	-122.2	235.5	6.027	-31.108
1	-.001	0.000	16.7	-113.7	233.6	4.205	-27.838
2	-.004	.001	10.2	-104.7	231.8	2.471	-24.503
3	-.009	.001	3.7	-95.5	230.0	.850	-21.160
4	-.015	.002	-2.9	-85.9	228.2	-.631	-17.872
5	-.023	.003	-9.4	-76.2	226.4	-1.945	-14.721
6	-.031	.003	-15.9	-66.4	224.6	-3.068	-11.822
7	-.041	.004	-22.4	-56.4	222.8	-3.993	-9.306
8	-.051	.004	-28.8	-46.4	220.9	-4.747	-7.277
9	-.062	.004	-35.2	-36.4	219.1	-5.442	-5.614
10	-.073	.003	-41.4	-26.4	217.3	-6.192	-4.117

EXCENTRICIDADES RESULTANTES CABEZA -.121360506787 -.190533945863
EXCENTRICIDADES 1 ORDEN CABEZA -.121951219512 -.190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	23.2	-122.4	235.5	6.043	-31.223
1	-.001	0.000	16.7	-113.8	233.6	4.215	-27.937
2	-.004	.001	10.2	-104.8	231.8	2.478	-24.598
3	-.009	.001	3.7	-95.6	230.0	.853	-21.252
4	-.015	.002	-2.9	-86.1	228.2	-.632	-17.961
5	-.023	.003	-9.4	-76.3	226.4	-1.951	-14.804
6	-.032	.003	-15.9	-66.5	224.6	-3.079	-11.892
7	-.041	.004	-22.4	-56.5	222.8	-4.008	-9.357
8	-.051	.004	-28.8	-46.5	220.9	-4.761	-7.309
9	-.062	.004	-35.2	-36.5	219.1	-5.454	-5.636
10	-.073	.003	-41.4	-26.4	217.3	-6.201	-4.132

EXCENTRICIDADES RESULTANTES CABEZA -.121643428719 -.190524804136
EXCENTRICIDADES 1 ORDEN CABEZA -.121951219512 -.190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	23.2	-122.4	235.5	6.050	-31.279
1	-.001	0.000	16.7	-113.9	233.6	4.220	-27.988
2	-.004	.001	10.2	-104.9	231.8	2.481	-24.647

3	-.009	.001	3.7	-95.6	230.0	.854	-21.301
4	-.015	.002	-2.9	-86.1	228.2	-.633	-18.009
5	-.023	.003	-9.4	-76.4	226.4	-1.955	-14.849
6	-.032	.003	-15.9	-66.5	224.6	-3.085	-11.930
7	-.041	.004	-22.4	-56.5	222.8	-4.016	-9.385
8	-.051	.004	-28.8	-46.5	220.9	-4.769	-7.326
9	-.062	.004	-35.2	-36.5	219.1	-5.459	-5.646
10	-.073	.003	-41.4	-26.5	217.3	-6.205	-4.139

EXCENTRICIDADES RESULTANTES CABEZA -.121790963805 -.190521575823
EXCENTRICIDADES 1 ORDEN CABEZA -.121951219512 -.190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	23.2	-122.5	235.5	6.053	-31.306
1	-.001	0.000	16.7	-113.9	233.6	4.223	-28.014
2	-.004	.001	10.2	-104.9	231.8	2.482	-24.673
3	-.009	.001	3.7	-95.7	230.0	.855	-21.327
4	-.015	.002	-2.9	-86.1	228.2	-.634	-18.035
5	-.023	.003	-9.4	-76.4	226.4	-1.956	-14.873
6	-.032	.003	-15.9	-66.5	224.6	-3.089	-11.951
7	-.041	.004	-22.4	-56.6	222.8	-4.020	-9.399
8	-.051	.004	-28.8	-46.6	220.9	-4.772	-7.333
9	-.062	.004	-35.2	-36.5	219.1	-5.463	-5.653
10	-.073	.003	-41.4	-26.5	217.3	-6.207	-4.142

EXCENTRICIDADES RESULTANTES CABEZA -.12186780399 -.190520471973
EXCENTRICIDADES 1 ORDEN CABEZA -.121951219512 -.190520018408
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 9 TANTEO 0

Fpx= -8.5 t Fpy= 7.8 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	14.9	-71.2	218.4	2.771	-12.154
1	-0.000	0.000	8.3	-64.7	216.5	1.637	-11.827
2	-.002	0.000	1.7	-57.9	214.7	.336	-10.453
3	-.004	.001	-4.9	-50.9	212.9	-.913	-8.729
4	-.006	.001	-11.5	-43.7	211.1	-2.019	-6.990
5	-.009	.001	-18.0	-36.4	209.3	-2.941	-5.409
6	-.013	.001	-24.6	-28.9	207.5	-3.672	-4.097
7	-.017	0.000	-31.0	-21.2	205.7	-4.381	-2.974
8	-.021	-.001	-37.4	-13.5	203.8	-5.151	-1.907
9	-.025	-.002	-43.8	-5.7	202.0	-6.001	-.833
10	-.029	-.003	-50.0	2.3	200.2	-7.064	.350

EXCENTRICIDADES RESULTANTES CABEZA .0112525651571 -.249920971718
EXCENTRICIDADES 1 ORDEN CABEZA -.0174825174825 -.253246753247

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	14.2	-77.6	218.4	2.782	-14.153
1	-.001	0.000	7.6	-71.0	216.5	1.479	-12.785
2	-.002	0.000	1.0	-64.2	214.7	.189	-10.972
3	-.004	.001	-5.6	-57.1	212.9	-.980	-9.102
4	-.007	.001	-12.2	-49.8	211.1	-1.978	-7.389
5	-.010	.001	-18.7	-42.3	209.3	-2.791	-5.997
6	-.014	0.000	-25.2	-34.7	207.5	-3.555	-4.852
7	-.018	0.000	-31.7	-26.9	205.7	-4.353	-3.796
8	-.023	-.001	-38.1	-19.0	203.8	-5.212	-2.786
9	-.027	-.002	-44.4	-11.0	202.0	-6.256	-1.711
10	-.032	-.003	-50.7	-3.0	200.2	-7.575	-.488

EXCENTRICIDADES RESULTANTES CABEZA -.0147356563017 -.25311593449
EXCENTRICIDADES 1 ORDEN CABEZA -.0174825174825 -.253246753247

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	14.2	-77.7	218.4	2.931	-15.068
1	-.001	0.000	7.6	-71.2	216.5	1.522	-13.225
2	-.002	0.000	1.0	-64.4	214.7	.195	-11.231

3	-.004	.001	-5.6	-57.3	212.9	-.994	-9.298
4	-.007	.001	-12.2	-50.1	211.1	-2.019	-7.569
5	-.011	.001	-18.7	-42.6	209.3	-2.894	-6.149
6	-.015	.001	-25.3	-35.0	207.5	-3.690	-4.982
7	-.019	0.000	-31.7	-27.3	205.7	-4.500	-3.909
8	-.023	-.001	-38.1	-19.4	203.8	-5.366	-2.870
9	-.028	-.002	-44.4	-11.4	202.0	-6.411	-1.797
10	-.033	-.003	-50.7	-3.3	200.2	-7.790	-.558

EXCENTRICIDADES RESULTANTES CABEZA -.016425696836 -.253167194338
EXCENTRICIDADES 1 ORDEN CABEZA -.0174825174825 -.253246753247

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	14.2	-77.9	218.4	2.989	-15.499
1	-.001	0.000	7.6	-71.4	216.5	1.537	-13.448
2	-.002	0.000	1.0	-64.6	214.7	.193	-11.375
3	-.004	.001	-5.6	-57.5	212.9	-1.005	-9.410
4	-.007	.001	-12.2	-50.2	211.1	-2.041	-7.666
5	-.011	.001	-18.8	-42.8	209.3	-2.926	-6.229
6	-.015	.001	-25.3	-35.2	207.5	-3.729	-5.052
7	-.019	0.000	-31.7	-27.4	205.7	-4.544	-3.969
8	-.024	-.001	-38.1	-19.5	203.8	-5.415	-2.921
9	-.028	-.002	-44.5	-11.5	202.0	-6.474	-1.833
10	-.033	-.004	-50.7	-3.4	200.2	-7.880	-.581

EXCENTRICIDADES RESULTANTES CABEZA -.0169400896012 -.253218060116
EXCENTRICIDADES 1 ORDEN CABEZA -.0174825174825 -.253246753247

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	14.2	-78.0	218.4	3.015	-15.697
1	-.001	0.000	7.6	-71.5	216.5	1.544	-13.561
2	-.002	0.000	1.0	-64.7	214.7	.193	-11.454
3	-.004	.001	-5.6	-57.6	212.9	-1.010	-9.473
4	-.007	.001	-12.2	-50.3	211.1	-2.051	-7.717
5	-.011	.001	-18.8	-42.9	209.3	-2.942	-6.267
6	-.015	.001	-25.3	-35.2	207.5	-3.747	-5.082
7	-.019	0.000	-31.7	-27.5	205.7	-4.563	-3.995
8	-.024	-.001	-38.1	-19.6	203.8	-5.435	-2.942
9	-.029	-.002	-44.5	-11.6	202.0	-6.499	-1.850
10	-.034	-.004	-50.7	-3.4	200.2	-7.918	-.593

EXCENTRICIDADES RESULTANTES CABEZA -.0172111204454 -.253234378805
EXCENTRICIDADES 1 ORDEN CABEZA -.0174825174825 -.253246753247

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	14.2	-78.1	218.4	3.027	-15.788
1	-.001	0.000	7.6	-71.5	216.5	1.548	-13.618
2	-.002	0.000	1.0	-64.7	214.7	.193	-11.496
3	-.004	.001	-5.6	-57.7	212.9	-1.013	-9.507
4	-.007	.001	-12.2	-50.4	211.1	-2.057	-7.744
5	-.011	.001	-18.8	-42.9	209.3	-2.949	-6.286
6	-.015	.001	-25.3	-35.3	207.5	-3.755	-5.097
7	-.019	0.000	-31.7	-27.5	205.7	-4.569	-4.006
8	-.024	-.001	-38.1	-19.6	203.8	-5.442	-2.951
9	-.029	-.002	-44.5	-11.6	202.0	-6.509	-1.857
10	-.034	-.004	-50.7	-3.5	200.2	-7.934	-.599

EXCENTRICIDADES RESULTANTES CABEZA -.0173473239175 -.253241493808
EXCENTRICIDADES 1 ORDEN CABEZA -.0174825174825 -.253246753247

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	14.2	-78.1	218.4	3.032	-15.830
1	-.001	0.000	7.6	-71.6	216.5	1.550	-13.646
2	-.002	0.000	1.0	-64.8	214.7	.193	-11.518
3	-.004	.001	-5.6	-57.7	212.9	-1.014	-9.525
4	-.007	.001	-12.2	-50.4	211.1	-2.060	-7.758
5	-.011	.001	-18.8	-42.9	209.3	-2.952	-6.295
6	-.015	.001	-25.3	-35.3	207.5	-3.758	-5.103
7	-.019	0.000	-31.7	-27.5	205.7	-4.574	-4.012
8	-.024	-.001	-38.1	-19.6	203.8	-5.446	-2.956
9	-.029	-.002	-44.5	-11.6	202.0	-6.513	-1.861
10	-.034	-.004	-50.7	-3.5	200.2	-7.938	-.601

EXCENTRICIDADES RESULTANTES CABEZA -.0174153971752 -.25324425188
EXCENTRICIDADES 1 ORDEN CABEZA -.0174825174825 -.253246753247

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	14.2	-78.1	218.4	3.035	-15.849
1	-.001	0.000	7.6	-71.6	216.5	1.551	-13.661
2	-.002	0.000	1.0	-64.8	214.7	.193	-11.525
3	-.004	.001	-5.6	-57.7	212.9	-1.015	-9.531
4	-.007	.001	-12.2	-50.4	211.1	-2.061	-7.764
5	-.011	.001	-18.8	-42.9	209.3	-2.953	-6.298
6	-.015	.001	-25.3	-35.3	207.5	-3.759	-5.106
7	-.019	0.000	-31.7	-27.5	205.7	-4.575	-4.014
8	-.024	-.001	-38.1	-19.6	203.8	-5.448	-2.958
9	-.029	-.002	-44.5	-11.6	202.0	-6.514	-1.862
10	-.034	-.004	-50.7	-3.5	200.2	-7.940	-.603

EXCENTRICIDADES RESULTANTES CABEZA -.0174536368008 -.253245975393
EXCENTRICIDADES 1 ORDEN CABEZA -.0174825174825 -.253246753247

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	14.2	-78.1	218.4	3.035	-15.854
1	-.001	0.000	7.6	-71.6	216.5	1.551	-13.664
2	-.002	0.000	1.0	-64.8	214.7	.193	-11.533
3	-.004	.001	-5.6	-57.7	212.9	-1.015	-9.538
4	-.007	.001	-12.2	-50.4	211.1	-2.061	-7.766
5	-.011	.001	-18.8	-43.0	209.3	-2.955	-6.302
6	-.015	.001	-25.3	-35.3	207.5	-3.760	-5.107
7	-.019	0.000	-31.7	-27.5	205.7	-4.576	-4.015
8	-.024	-.001	-38.1	-19.6	203.8	-5.448	-2.959
9	-.029	-.002	-44.5	-11.6	202.0	-6.514	-1.863
10	-.034	-.004	-50.7	-3.5	200.2	-7.940	-.603

EXCENTRICIDADES RESULTANTES CABEZA -.0174678469838 -.25324572531
EXCENTRICIDADES 1 ORDEN CABEZA -.0174825174825 -.253246753247

CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 10 TANTEO 0

Fpx= -9 t Fpy= 13.2 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	42.7	-83.7	207.2	8.606	-16.095
1	-.001	0.000	31.5	-75.2	205.3	6.979	-16.255
2	-.002	.001	20.2	-66.7	203.5	4.473	-14.299
3	-.005	.002	8.9	-58.0	201.7	1.883	-11.709
4	-.009	.003	-2.4	-49.2	199.9	-.483	-9.087
5	-.013	.005	-13.8	-40.4	198.1	-2.502	-6.709
6	-.017	.006	-25.1	-31.6	196.3	-4.116	-4.766
7	-.022	.006	-36.3	-22.8	194.5	-5.444	-3.367
8	-.028	.007	-47.5	-14.1	192.6	-6.978	-2.168
9	-.033	.007	-58.5	-5.4	190.8	-8.991	-.905
10	-.039	.006	-69.5	3.2	189.0	-11.709	.590

EXCENTRICIDADES RESULTANTES CABEZA .0170213838437 -.367616275292
EXCENTRICIDADES 1 ORDEN CABEZA -.021164021164 -.361904761905

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	43.9	-91.8	207.2	9.712	-19.778
1	-.001	0.000	32.7	-83.3	205.3	7.222	-17.813
2	-.003	.001	21.4	-74.6	203.5	4.524	-15.019
3	-.006	.002	10.1	-65.8	201.7	1.989	-12.107
4	-.010	.004	-1.3	-56.8	199.9	-.234	-9.411
5	-.014	.005	-12.7	-47.9	198.1	-2.072	-7.204
6	-.019	.006	-24.0	-38.9	196.3	-3.588	-5.730
7	-.025	.007	-35.3	-29.9	194.5	-5.174	-4.598
8	-.030	.008	-46.5	-21.0	192.6	-7.120	-3.505
9	-.036	.008	-57.6	-12.1	190.8	-9.675	-2.204
10	-.043	.007	-68.6	-3.2	189.0	-12.890	-.648

EXCENTRICIDADES RESULTANTES CABEZA -.0171374849396 -.362927619354
EXCENTRICIDADES 1 ORDEN CABEZA -.021164021164 -.361904761905

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	44.0	-92.0	207.2	10.355	-21.306
1	-.001	0.000	32.8	-83.5	205.3	7.448	-18.454
2	-.003	.001	21.6	-74.9	203.5	4.619	-15.361
3	-.006	.002	10.2	-66.1	201.7	2.036	-12.339
4	-.010	.004	-1.2	-57.2	199.9	-.214	-9.606
5	-.015	.005	-12.5	-48.3	198.1	-2.103	-7.393
6	-.020	.006	-23.9	-39.3	196.3	-3.734	-5.854
7	-.026	.007	-35.2	-30.3	194.5	-5.370	-4.696
8	-.031	.008	-46.4	-21.4	192.6	-7.330	-3.635
9	-.038	.008	-57.5	-12.5	190.8	-10.017	-2.357
10	-.044	.007	-68.5	-3.7	189.0	-13.379	-.767

EXCENTRICIDADES RESULTANTES CABEZA -.0196725329091 -.362213705328
EXCENTRICIDADES 1 ORDEN CABEZA -.021164021164 -.361904761905

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	44.1	-92.3	207.2	10.600	-21.935
1	-.001	0.000	32.9	-83.8	205.3	7.541	-18.758
2	-.003	.001	21.6	-75.1	203.5	4.662	-15.550
3	-.006	.003	10.3	-66.3	201.7	2.058	-12.481
4	-.010	.004	-1.1	-57.4	199.9	-.208	-9.727
5	-.015	.005	-12.5	-48.5	198.1	-2.116	-7.500
6	-.020	.006	-23.8	-39.5	196.3	-3.762	-5.941
7	-.026	.007	-35.1	-30.5	194.5	-5.417	-4.781
8	-.032	.008	-46.3	-21.6	192.6	-7.413	-3.705
9	-.038	.008	-57.5	-12.7	190.8	-10.164	-2.416
10	-.045	.007	-68.4	-3.9	189.0	-13.579	-.806

EXCENTRICIDADES RESULTANTES CABEZA -.0204243381948 -.362043671608
EXCENTRICIDADES 1 ORDEN CABEZA -.021164021164 -.361904761905

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	44.1	-92.4	207.2	10.698	-22.193
1	-.001	0.000	32.9	-83.9	205.3	7.584	-18.901
2	-.003	.001	21.6	-75.2	203.5	4.685	-15.652
3	-.006	.003	10.3	-66.4	201.7	2.070	-12.564
4	-.010	.004	-1.1	-57.5	199.9	-.205	-9.799
5	-.015	.005	-12.5	-48.6	198.1	-2.124	-7.558
6	-.020	.007	-23.8	-39.6	196.3	-3.779	-5.981
7	-.026	.008	-35.1	-30.6	194.5	-5.441	-4.816
8	-.032	.008	-46.3	-21.7	192.6	-7.448	-3.737
9	-.039	.008	-57.4	-12.8	190.8	-10.225	-2.444
10	-.045	.007	-68.4	-3.9	189.0	-13.659	-.825

EXCENTRICIDADES RESULTANTES CABEZA -.0208075559858 -.361964961227
EXCENTRICIDADES 1 ORDEN CABEZA -.021164021164 -.361904761905

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	44.1	-92.4	207.2	10.738	-22.297
1	-.001	0.000	32.9	-84.0	205.3	7.603	-18.967
2	-.003	.001	21.6	-75.3	203.5	4.697	-15.704
3	-.006	.003	10.3	-66.5	201.7	2.076	-12.610
4	-.010	.004	-1.1	-57.6	199.9	-.204	-9.839
5	-.015	.005	-12.5	-48.6	198.1	-2.129	-7.589
6	-.020	.007	-23.8	-39.7	196.3	-3.787	-6.001
7	-.026	.008	-35.1	-30.7	194.5	-5.452	-4.833
8	-.032	.008	-46.3	-21.7	192.6	-7.463	-3.752
9	-.039	.008	-57.4	-12.8	190.8	-10.251	-2.457
10	-.045	.007	-68.4	-4.0	189.0	-13.690	-.834

EXCENTRICIDADES RESULTANTES CABEZA -.0209920017106 -.361931370365
EXCENTRICIDADES 1 ORDEN CABEZA -.021164021164 -.361904761905

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	44.1	-92.5	207.2	10.754	-22.341
1	-.001	0.000	32.9	-84.0	205.3	7.612	-18.998
2	-.003	.001	21.6	-75.3	203.5	4.703	-15.731
3	-.006	.003	10.3	-66.5	201.7	2.080	-12.635
4	-.010	.004	-1.1	-57.6	199.9	-.204	-9.860
5	-.015	.005	-12.5	-48.7	198.1	-2.131	-7.606
6	-.021	.007	-23.8	-39.7	196.3	-3.790	-6.010
7	-.026	.008	-35.1	-30.7	194.5	-5.455	-4.839
8	-.032	.008	-46.3	-21.8	192.6	-7.467	-3.757
9	-.039	.008	-57.4	-12.8	190.8	-10.262	-2.462
10	-.045	.007	-68.4	-4.0	189.0	-13.702	-.838

EXCENTRICIDADES RESULTANTES CABEZA -.0210816835804 -.361917444086
EXCENTRICIDADES 1 ORDEN CABEZA -.021164021164 -.361904761905

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	44.1	-92.5	207.2	10.761	-22.359
1	-.001	0.000	32.9	-84.0	205.3	7.617	-19.013
2	-.003	.001	21.6	-75.4	203.5	4.706	-15.745
3	-.006	.003	10.3	-66.5	201.7	2.081	-12.648
4	-.010	.004	-1.1	-57.6	199.9	-.203	-9.872
5	-.015	.005	-12.5	-48.7	198.1	-2.132	-7.612
6	-.021	.007	-23.8	-39.7	196.3	-3.793	-6.015
7	-.026	.008	-35.1	-30.7	194.5	-5.458	-4.844
8	-.032	.008	-46.3	-21.8	192.6	-7.471	-3.761
9	-.039	.008	-57.4	-12.9	190.8	-10.264	-2.465
10	-.046	.007	-68.4	-4.0	189.0	-13.704	-.840

EXCENTRICIDADES RESULTANTES CABEZA -.0211240322793 -.361909982233
EXCENTRICIDADES 1 ORDEN CABEZA -.021164021164 -.361904761905

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	44.1	-92.5	207.2	10.762	-22.362
1	-.001	0.000	32.9	-84.0	205.3	7.618	-19.016
2	-.003	.001	21.6	-75.4	203.5	4.707	-15.748
3	-.006	.003	10.3	-66.6	201.7	2.082	-12.651
4	-.010	.004	-1.1	-57.6	199.9	-.203	-9.875
5	-.015	.005	-12.5	-48.7	198.1	-2.132	-7.615
6	-.021	.007	-23.8	-39.7	196.3	-3.794	-6.018
7	-.026	.008	-35.1	-30.7	194.5	-5.459	-4.845
8	-.033	.008	-46.3	-21.8	192.6	-7.472	-3.762
9	-.039	.008	-57.4	-12.9	190.8	-10.264	-2.466
10	-.046	.007	-68.4	-4.0	189.0	-13.704	-.841

EXCENTRICIDADES RESULTANTES CABEZA -.0211534325058 -.36190584399
EXCENTRICIDADES 1 ORDEN CABEZA -.021164021164 -.361904761905
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 11 TANTEO 0

Fpx= 4.5 t Fpy= 13.2 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	42.7	49.9	207.2	7.321	8.391
1	0.000	0.000	31.5	45.3	205.3	5.724	8.089
2	.001	.001	20.3	40.7	203.5	3.590	6.910
3	.003	.002	9.0	36.0	201.7	1.486	5.573
4	.004	.003	-2.3	31.4	199.9	-.352	4.366
5	.006	.004	-13.6	26.8	198.1	-1.875	3.457
6	.009	.005	-24.9	22.2	196.3	-3.272	2.872
7	.011	.005	-36.1	17.7	194.5	-4.813	2.373
8	.014	.006	-47.2	13.2	192.6	-6.541	1.931
9	.017	.005	-58.3	8.8	190.8	-8.722	1.442
10	.020	.005	-69.2	4.5	189.0	-11.555	.808

EXCENTRICIDADES RESULTANTES CABEZA .0235456443165 -.366397446381
EXCENTRICIDADES 1 ORDEN CABEZA .0428571428571 -.361904761905

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	43.6	54.0	207.2	7.908	9.616
1	0.000	0.000	32.5	49.4	205.3	5.737	8.362
2	.001	.001	21.2	44.7	203.5	3.503	6.893
3	.003	.002	9.9	40.0	201.7	1.500	5.550
4	.005	.003	-1.4	35.3	199.9	-.191	4.552

5	.007	.004	-12.7	30.6	198.1	-1.668	3.958
6	.009	.005	-24.0	26.0	196.3	-3.195	3.482
7	.012	.006	-35.2	21.4	194.5	-4.869	3.116
8	.015	.006	-46.4	16.8	192.6	-6.922	2.745
9	.018	.006	-57.5	12.3	190.8	-9.559	2.228
10	.021	.005	-68.4	7.8	189.0	-12.795	1.564

EXCENTRICIDADES RESULTANTES CABEZA .0415142933196 -.36211592594
EXCENTRICIDADES 1 ORDEN CABEZA .0428571428571 -.361904761905

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	43.6	54.0	207.2	8.277	10.004
1	0.000	0.000	32.4	49.4	205.3	5.796	8.428
2	.001	.001	21.2	44.7	203.5	3.494	6.874
3	.003	.002	9.9	40.0	201.7	1.495	5.551
4	.005	.003	-1.4	35.4	199.9	-.197	4.597
5	.007	.004	-12.7	30.7	198.1	-1.713	4.008
6	.009	.005	-24.0	26.1	196.3	-3.278	3.551
7	.012	.006	-35.2	21.5	194.5	-5.011	3.185
8	.015	.006	-46.4	17.0	192.6	-7.155	2.842
9	.018	.006	-57.5	12.5	190.8	-9.968	2.339
10	.021	.005	-68.4	8.1	189.0	-13.353	1.659

EXCENTRICIDADES RESULTANTES CABEZA .0425950733111 -.361932180504
EXCENTRICIDADES 1 ORDEN CABEZA .0428571428571 -.361904761905

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	43.6	54.0	207.2	8.405	10.179
1	0.000	0.000	32.4	49.4	205.3	5.814	8.463
2	.001	.001	21.2	44.7	203.5	3.492	6.874
3	.003	.002	9.9	40.1	201.7	1.495	5.556
4	.005	.003	-1.4	35.4	199.9	-.197	4.611
5	.007	.004	-12.7	30.8	198.1	-1.720	4.025
6	.009	.005	-24.0	26.2	196.3	-3.297	3.576
7	.012	.006	-35.2	21.6	194.5	-5.050	3.222
8	.015	.006	-46.4	17.0	192.6	-7.248	2.883
9	.018	.006	-57.5	12.5	190.8	-10.146	2.379
10	.021	.005	-68.4	8.1	189.0	-13.588	1.687

EXCENTRICIDADES RESULTANTES CABEZA .0427355822791 -.361917769315
EXCENTRICIDADES 1 ORDEN CABEZA .0428571428571 -.361904761905

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	43.6	54.0	207.2	8.459	10.249
1	0.000	0.000	32.4	49.4	205.3	5.823	8.479
2	.001	.001	21.2	44.8	203.5	3.492	6.877
3	.003	.002	9.9	40.1	201.7	1.496	5.560
4	.005	.003	-1.4	35.4	199.9	-.197	4.617
5	.007	.004	-12.7	30.8	198.1	-1.722	4.030
6	.009	.005	-24.0	26.2	196.3	-3.302	3.584
7	.012	.006	-35.2	21.6	194.5	-5.065	3.234
8	.015	.006	-46.4	17.0	192.6	-7.286	2.900
9	.018	.006	-57.5	12.5	190.8	-10.221	2.396
10	.021	.005	-68.4	8.1	189.0	-13.684	1.699

EXCENTRICIDADES RESULTANTES CABEZA .042805646965 -.361913779533
EXCENTRICIDADES 1 ORDEN CABEZA .0428571428571 -.361904761905

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	43.6	54.0	207.2	8.480	10.277
1	0.000	0.000	32.5	49.4	205.3	5.826	8.484
2	.001	.001	21.2	44.8	203.5	3.493	6.879
3	.003	.002	9.9	40.1	201.7	1.496	5.562
4	.005	.003	-1.4	35.5	199.9	-.197	4.619
5	.007	.004	-12.7	30.8	198.1	-1.723	4.032
6	.009	.005	-24.0	26.2	196.3	-3.304	3.587
7	.012	.006	-35.2	21.6	194.5	-5.069	3.238
8	.015	.006	-46.4	17.1	192.6	-7.301	2.906
9	.018	.006	-57.5	12.5	190.8	-10.253	2.403
10	.021	.005	-68.4	8.1	189.0	-13.723	1.704

EXCENTRICIDADES RESULTANTES CABEZA .0428369139227 -.361908946408
EXCENTRICIDADES 1 ORDEN CABEZA .0428571428571 -.361904761905

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	43.6	54.0	207.2	8.489	10.288
1	0.000	0.000	32.5	49.4	205.3	5.829	8.489
2	.001	.001	21.2	44.8	203.5	3.493	6.880
3	.003	.002	9.9	40.1	201.7	1.496	5.563
4	.005	.003	-1.4	35.5	199.9	-.197	4.620
5	.007	.004	-12.7	30.8	198.1	-1.723	4.033
6	.009	.005	-24.0	26.2	196.3	-3.305	3.588
7	.012	.006	-35.2	21.6	194.5	-5.071	3.239
8	.015	.006	-46.4	17.1	192.6	-7.305	2.908
9	.018	.006	-57.5	12.6	190.8	-10.266	2.406
10	.021	.005	-68.4	8.1	189.0	-13.739	1.706

EXCENTRICIDADES RESULTANTES CABEZA .0428472382295 -.361907740548
EXCENTRICIDADES 1 ORDEN CABEZA .0428571428571 -.361904761905
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 12 TANTEO 0

Fpx= -8.5 t Fpy= 6.9 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	16.1	-82.9	196.3	3.243	-15.665
1	-.001	0.000	9.6	-75.6	194.4	2.091	-15.909
2	-.002	0.000	3.1	-68.1	192.6	.671	-14.417
3	-.005	.001	-3.4	-60.5	190.8	-.723	-12.321
4	-.009	.001	-9.7	-52.7	189.0	-1.983	-10.109
5	-.013	.001	-16.0	-44.7	187.2	-3.065	-7.981
6	-.018	.001	-22.1	-36.7	185.4	-3.941	-6.063
7	-.023	.001	-28.1	-28.6	183.6	-4.600	-4.459
8	-.029	-0.000	-34.0	-20.5	181.7	-5.181	-3.137
9	-.034	-.001	-39.7	-12.4	179.9	-5.843	-1.914
10	-.040	-.003	-45.3	-4.2	178.1	-6.672	-.675

EXCENTRICIDADES RESULTANTES CABEZA -.0235917763767 -.254414153737
EXCENTRICIDADES 1 ORDEN CABEZA -.0634475014037 -.257158899495

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	15.6	-90.9	196.3	3.402	-19.072
1	-.001	0.000	9.0	-83.6	194.4	1.981	-17.627
2	-.003	0.000	2.5	-76.0	192.6	.539	-15.426
3	-.006	.001	-3.9	-68.2	190.8	-.793	-13.040
4	-.010	.001	-10.3	-60.2	189.0	-1.960	-10.704
5	-.014	.001	-16.5	-52.1	187.2	-2.931	-8.576
6	-.020	.001	-22.6	-43.9	185.4	-3.688	-6.816
7	-.025	.001	-28.6	-35.6	183.6	-4.350	-5.431
8	-.031	-0.000	-34.5	-27.3	181.7	-5.059	-4.206
9	-.038	-.001	-40.2	-18.9	179.9	-5.904	-3.025
10	-.045	-.003	-45.8	-10.5	178.1	-6.984	-1.767

EXCENTRICIDADES RESULTANTES CABEZA -.0591102669868 -.257229683944
EXCENTRICIDADES 1 ORDEN CABEZA -.0634475014037 -.257158899495

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	15.7	-91.1	196.3	3.621	-20.568
1	-.001	0.000	9.1	-83.8	194.4	2.055	-18.371
2	-.003	0.000	2.6	-76.3	192.6	.560	-15.905
3	-.006	.001	-3.9	-68.5	190.8	-.800	-13.409
4	-.010	.001	-10.2	-60.6	189.0	-1.991	-11.018
5	-.015	.001	-16.5	-52.5	187.2	-2.997	-8.854
6	-.020	.001	-22.6	-44.3	185.4	-3.830	-7.036
7	-.026	.001	-28.6	-36.1	183.6	-4.547	-5.583
8	-.033	-0.000	-34.5	-27.7	181.7	-5.263	-4.320
9	-.040	-.001	-40.2	-19.4	179.9	-6.081	-3.133
10	-.046	-.003	-45.8	-11.0	178.1	-7.173	-1.878

EXCENTRICIDADES RESULTANTES CABEZA -.0616410285159 -.257132529946
EXCENTRICIDADES 1 ORDEN CABEZA -.0634475014037 -.257158899495

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	15.7	-91.4	196.3	3.700	-21.205
1	-.001	0.000	9.1	-84.1	194.4	2.079	-18.727
2	-.003	0.000	2.6	-76.6	192.6	.564	-16.158
3	-.006	.001	-3.9	-68.8	190.8	-.808	-13.617
4	-.010	.001	-10.2	-60.8	189.0	-2.012	-11.199
5	-.015	.001	-16.5	-52.8	187.2	-3.032	-9.012
6	-.021	.001	-22.6	-44.6	185.4	-3.877	-7.165
7	-.027	.001	-28.6	-36.3	183.6	-4.601	-5.690
8	-.033	-0.000	-34.5	-27.9	181.7	-5.324	-4.409
9	-.040	-.001	-40.2	-19.6	179.9	-6.151	-3.199
10	-.047	-.003	-45.8	-11.1	178.1	-7.256	-1.925

EXCENTRICIDADES RESULTANTES CABEZA -.0625403594893 -.257140532509
EXCENTRICIDADES 1 ORDEN CABEZA -.0634475014037 -.257158899495

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	15.7	-91.6	196.3	3.733	-21.474
1	-.001	0.000	9.1	-84.3	194.4	2.090	-18.895
2	-.003	0.000	2.6	-76.7	192.6	.566	-16.290
3	-.006	.001	-3.9	-68.9	190.8	-.813	-13.731
4	-.010	.001	-10.2	-61.0	189.0	-2.023	-11.301
5	-.015	.001	-16.5	-52.9	187.2	-3.051	-9.099
6	-.021	.001	-22.6	-44.7	185.4	-3.904	-7.232
7	-.027	.001	-28.6	-36.4	183.6	-4.631	-5.739
8	-.034	-0.000	-34.5	-28.0	181.7	-5.355	-4.448
9	-.041	-.001	-40.2	-19.6	179.9	-6.182	-3.229
10	-.048	-.003	-45.8	-11.2	178.1	-7.292	-1.947

EXCENTRICIDADES RESULTANTES CABEZA -.0630036428745 -.257143768829
EXCENTRICIDADES 1 ORDEN CABEZA -.0634475014037 -.257158899495

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	15.7	-91.6	196.3	3.746	-21.588
1	-.001	0.000	9.1	-84.3	194.4	2.095	-18.975
2	-.003	0.000	2.6	-76.8	192.6	.566	-16.356
3	-.006	.001	-3.9	-69.0	190.8	-.816	-13.792
4	-.010	.001	-10.2	-61.0	189.0	-2.030	-11.355
5	-.015	.001	-16.5	-53.0	187.2	-3.062	-9.145
6	-.021	.001	-22.6	-44.7	185.4	-3.918	-7.267
7	-.027	.001	-28.6	-36.4	183.6	-4.646	-5.764
8	-.034	-0.000	-34.5	-28.1	181.7	-5.369	-4.467
9	-.041	-.001	-40.2	-19.7	179.9	-6.197	-3.243
10	-.048	-.003	-45.8	-11.3	178.1	-7.308	-1.958

EXCENTRICIDADES RESULTANTES CABEZA -.0632309025363 -.257149126663
EXCENTRICIDADES 1 ORDEN CABEZA -.0634475014037 -.257158899495

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	15.6	-91.7	196.3	3.751	-21.637
1	-.001	0.000	9.1	-84.4	194.4	2.097	-19.012
2	-.003	0.000	2.6	-76.8	192.6	.567	-16.390
3	-.006	.001	-3.9	-69.0	190.8	-.817	-13.823
4	-.010	.001	-10.2	-61.1	189.0	-2.034	-11.384
5	-.015	.001	-16.5	-53.0	187.2	-3.068	-9.170
6	-.021	.001	-22.6	-44.8	185.4	-3.925	-7.284
7	-.027	.001	-28.6	-36.5	183.6	-4.653	-5.775
8	-.034	-0.000	-34.5	-28.1	181.7	-5.376	-4.476
9	-.041	-.001	-40.2	-19.7	179.9	-6.201	-3.248
10	-.048	-.003	-45.8	-11.3	178.1	-7.313	-1.962

EXCENTRICIDADES RESULTANTES CABEZA -.0633419799485 -.257153220672
EXCENTRICIDADES 1 ORDEN CABEZA -.0634475014037 -.257158899495

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	15.6	-91.7	196.3	3.753	-21.658
1	-.001	0.000	9.1	-84.4	194.4	2.098	-19.030
2	-.003	0.000	2.6	-76.8	192.6	.567	-16.406
3	-.006	.001	-3.9	-69.1	190.8	-.818	-13.839
4	-.010	.001	-10.2	-61.1	189.0	-2.035	-11.399
5	-.015	.001	-16.5	-53.0	187.2	-3.071	-9.182
6	-.021	.001	-22.6	-44.8	185.4	-3.927	-7.291
7	-.027	.001	-28.6	-36.5	183.6	-4.656	-5.780
8	-.034	-0.000	-34.5	-28.1	181.7	-5.378	-4.479
9	-.041	-.001	-40.2	-19.7	179.9	-6.206	-3.252
10	-.048	-.003	-45.8	-11.3	178.1	-7.317	-1.965

EXCENTRICIDADES RESULTANTES CABEZA -.0633968987308 -.257156200776
EXCENTRICIDADES 1 ORDEN CABEZA -.0634475014037 -.257158899495
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 13 TANTEO 0

Fpx= 5 t Fpy= 17.3 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	71.6	51.9	147.2	15.114	11.065
1	0.000	.001	56.3	47.6	145.3	13.597	11.395
2	.002	.002	40.9	43.3	143.5	9.708	10.217
3	.004	.004	25.4	38.8	141.7	5.599	8.540
4	.006	.007	10.0	34.2	139.9	2.012	6.712
5	.009	.010	-5.3	29.6	138.1	-.969	5.043
6	.012	.012	-20.6	25.0	136.3	-3.397	3.773
7	.016	.015	-35.7	20.3	134.5	-5.543	3.120
8	.020	.017	-50.7	15.6	132.6	-8.381	2.734
9	.024	.018	-65.5	10.9	130.8	-12.494	2.176
10	.028	.019	-80.1	6.2	129.0	-17.735	1.385

EXCENTRICIDADES RESULTANTES CABEZA .0482433750067 -.621183872295
EXCENTRICIDADES 1 ORDEN CABEZA .0759689922481 -.603100775194

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	74.5	56.1	147.2	17.926	13.395
1	0.000	.001	59.0	51.8	145.3	13.978	12.201
2	.002	.002	43.6	47.4	143.5	9.561	10.390
3	.004	.005	28.1	42.8	141.7	5.620	8.356
4	.007	.007	12.6	38.2	139.9	2.289	6.468
5	.010	.010	-2.8	33.5	138.1	-.460	5.034
6	.013	.013	-18.1	28.8	136.3	-2.802	4.398
7	.017	.016	-33.3	24.0	134.5	-5.485	4.178
8	.021	.018	-48.4	19.2	132.6	-9.186	3.805
9	.025	.019	-63.3	14.4	130.8	-13.946	3.191
10	.030	.020	-78.0	9.6	129.0	-19.362	2.322

EXCENTRICIDADES RESULTANTES CABEZA .0741070833915 -.604527583495
EXCENTRICIDADES 1 ORDEN CABEZA .0759689922481 -.603100775194

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	74.4	56.0	147.2	18.962	14.045
1	0.000	.001	59.0	51.7	145.3	14.164	12.339
2	.002	.002	43.5	47.3	143.5	9.560	10.372
3	.004	.005	28.1	42.8	141.7	5.584	8.295
4	.007	.007	12.6	38.2	139.9	2.265	6.399
5	.010	.010	-2.8	33.5	138.1	-.455	5.009
6	.013	.013	-18.1	28.8	136.3	-2.888	4.389
7	.017	.016	-33.3	24.1	134.5	-5.670	4.241
8	.021	.018	-48.3	19.4	132.6	-9.594	3.961
9	.026	.020	-63.2	14.6	130.8	-14.516	3.336
10	.030	.020	-77.8	9.8	129.0	-19.873	2.424

EXCENTRICIDADES RESULTANTES CABEZA .0756873095758 -.603396283196
EXCENTRICIDADES 1 ORDEN CABEZA .0759689922481 -.603100775194

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	74.4	56.0	147.2	19.283	14.253
1	.001	.001	59.0	51.7	145.3	14.228	12.389
2	.002	.002	43.5	47.3	143.5	9.563	10.373
3	.004	.005	28.1	42.8	141.7	5.575	8.275
4	.007	.007	12.6	38.2	139.9	2.260	6.374
5	.010	.010	-2.7	33.5	138.1	-.451	5.004
6	.013	.013	-18.0	28.9	136.3	-2.886	4.408

7	.017	.016	-33.2	24.1	134.5	-5.722	4.292
8	.021	.018	-48.3	19.4	132.6	-9.757	4.019
9	.026	.020	-63.2	14.6	130.8	-14.713	3.376
10	.030	.020	-77.8	9.8	129.0	-20.022	2.445

EXCENTRICIDADES RESULTANTES CABEZA .0758583562747 -.60320437788
EXCENTRICIDADES 1 ORDEN CABEZA .0759689922481 -.603100775194

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	74.4	56.0	147.2	19.384	14.320
1	.001	.001	59.0	51.7	145.3	14.251	12.408
2	.002	.002	43.6	47.3	143.5	9.565	10.376
3	.004	.005	28.1	42.8	141.7	5.574	8.273
4	.007	.008	12.6	38.2	139.9	2.259	6.366
5	.010	.010	-2.7	33.6	138.1	-.449	5.003
6	.013	.013	-18.0	28.9	136.3	-2.888	4.412
7	.017	.016	-33.2	24.1	134.5	-5.743	4.309
8	.021	.018	-48.3	19.4	132.6	-9.820	4.041
9	.026	.020	-63.1	14.6	130.8	-14.780	3.390
10	.030	.020	-77.8	9.8	129.0	-20.064	2.451

EXCENTRICIDADES RESULTANTES CABEZA .0759273160279 -.60313367022
EXCENTRICIDADES 1 ORDEN CABEZA .0759689922481 -.603100775194

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	74.4	56.0	147.2	19.415	14.341
1	.001	.001	59.0	51.7	145.3	14.259	12.415
2	.002	.002	43.6	47.3	143.5	9.566	10.377
3	.004	.005	28.1	42.8	141.7	5.574	8.272
4	.007	.008	12.6	38.2	139.9	2.259	6.365
5	.010	.010	-2.7	33.6	138.1	-.448	5.003
6	.013	.013	-18.0	28.9	136.3	-2.889	4.415
7	.017	.016	-33.2	24.2	134.5	-5.751	4.315
8	.021	.018	-48.3	19.4	132.6	-9.843	4.050
9	.026	.020	-63.1	14.6	130.8	-14.802	3.395
10	.030	.020	-77.8	9.8	129.0	-20.076	2.453

EXCENTRICIDADES RESULTANTES CABEZA .0759534406749 -.603110374034
EXCENTRICIDADES 1 ORDEN CABEZA .0759689922481 -.603100775194

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	74.4	56.0	147.2	19.424	14.348
1	.001	.001	59.0	51.7	145.3	14.260	12.416
2	.002	.002	43.6	47.3	143.5	9.566	10.377
3	.004	.005	28.1	42.8	141.7	5.574	8.272
4	.007	.008	12.6	38.2	139.9	2.259	6.365
5	.010	.010	-2.7	33.6	138.1	-.448	5.003
6	.013	.013	-18.0	28.9	136.3	-2.890	4.416
7	.017	.016	-33.2	24.2	134.5	-5.753	4.317
8	.021	.018	-48.3	19.4	132.6	-9.852	4.053
9	.026	.020	-63.1	14.6	130.8	-14.809	3.397
10	.030	.020	-77.8	9.8	129.0	-20.074	2.454

EXCENTRICIDADES RESULTANTES CABEZA .0759646738705 -.603102374745
EXCENTRICIDADES 1 ORDEN CABEZA .0759689922481 -.603100775194
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 14 TANTEO 0

Fpx= -8.5 t Fpy= 12.9 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	53.3	-97.6	224.3	11.145	-19.555
1	-.001	0.000	41.7	-90.3	222.4	9.692	-20.602
2	-.003	.001	29.9	-82.7	220.6	7.030	-19.018
3	-.006	.003	18.1	-74.8	218.8	4.136	-16.528
4	-.011	.005	6.4	-66.6	217.0	1.388	-13.833
5	-.017	.007	-5.3	-58.3	215.2	-1.088	-11.203
6	-.023	.009	-16.9	-49.8	213.4	-3.235	-8.793
7	-.030	.010	-28.4	-41.2	211.6	-5.028	-6.735
8	-.038	.012	-39.7	-32.5	209.7	-6.511	-5.157
9	-.046	.013	-50.8	-23.8	207.9	-8.058	-3.886
10	-.054	.013	-61.7	-15.0	206.1	-9.987	-2.611

EXCENTRICIDADES RESULTANTES CABEZA -.0728603335254 -.299383476349
EXCENTRICIDADES 1 ORDEN CABEZA -.126152353227 -.286754002911

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	56.3	-109.8	224.3	13.071	-25.006
1	-.001	0.000	44.6	-102.4	222.4	10.457	-23.503
2	-.003	.002	32.8	-94.6	220.6	7.460	-20.859
3	-.007	.003	20.9	-86.5	218.8	4.542	-17.907
4	-.013	.005	9.1	-78.1	217.0	1.862	-14.965
5	-.019	.008	-2.7	-69.5	215.2	-.510	-12.230
6	-.026	.010	-14.4	-60.7	213.4	-2.539	-9.891
7	-.034	.012	-25.9	-51.8	211.6	-4.243	-8.185
8	-.043	.013	-37.3	-42.7	209.7	-5.909	-6.956
9	-.052	.015	-48.6	-33.6	207.9	-7.838	-5.831
10	-.061	.015	-59.6	-24.5	206.1	-10.256	-4.560

EXCENTRICIDADES RESULTANTES CABEZA -.118800277375 -.289236458723
EXCENTRICIDADES 1 ORDEN CABEZA -.126152353227 -.286754002911

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	56.6	-110.6	224.3	14.159	-27.380
1	-.001	.001	44.9	-103.2	222.4	10.965	-24.797
2	-.004	.002	33.1	-95.5	220.6	7.759	-21.781
3	-.008	.004	21.3	-87.4	218.8	4.740	-18.680
4	-.014	.006	9.5	-79.0	217.0	1.985	-15.650
5	-.020	.008	-2.3	-70.4	215.2	-.457	-12.841
6	-.028	.010	-14.0	-61.6	213.4	-2.576	-10.422
7	-.036	.012	-25.6	-52.7	211.6	-4.447	-8.553
8	-.045	.014	-37.0	-43.6	209.7	-6.208	-7.173
9	-.055	.016	-48.2	-34.5	207.9	-8.108	-6.017
10	-.064	.016	-59.3	-25.3	206.1	-10.526	-4.793

EXCENTRICIDADES RESULTANTES CABEZA -.122805163161 -.287685148019
EXCENTRICIDADES 1 ORDEN CABEZA -.126152353227 -.286754002911

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	56.8	-111.3	224.3	14.600	-28.405
1	-.001	.001	45.1	-103.9	222.4	11.188	-25.426
2	-.004	.002	33.3	-96.1	220.6	7.904	-22.282
3	-.008	.004	21.4	-88.0	218.8	4.840	-19.125
4	-.014	.006	9.6	-79.6	217.0	2.047	-16.059
5	-.021	.008	-2.2	-71.0	215.2	-.436	-13.209
6	-.029	.011	-13.9	-62.1	213.4	-2.598	-10.733
7	-.037	.013	-25.5	-53.2	211.6	-4.498	-8.784
8	-.046	.015	-36.9	-44.1	209.7	-6.271	-7.355
9	-.056	.016	-48.1	-34.9	207.9	-8.192	-6.162
10	-.066	.017	-59.2	-25.6	206.1	-10.637	-4.902

EXCENTRICIDADES RESULTANTES CABEZA -.12440920153 -.287185415501
EXCENTRICIDADES 1 ORDEN CABEZA -.126152353227 -.286754002911

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	56.9	-111.6	224.3	14.787	-28.849
1	-.001	.001	45.2	-104.2	222.4	11.294	-25.733
2	-.004	.002	33.4	-96.4	220.6	7.978	-22.546
3	-.008	.004	21.5	-88.3	218.8	4.893	-19.371
4	-.014	.006	9.7	-79.9	217.0	2.080	-16.291
5	-.021	.008	-2.1	-71.2	215.2	-.426	-13.420
6	-.029	.011	-13.8	-62.4	213.4	-2.612	-10.910
7	-.038	.013	-25.4	-53.4	211.6	-4.530	-8.909
8	-.047	.015	-36.8	-44.3	209.7	-6.313	-7.439
9	-.057	.016	-48.1	-35.1	207.9	-8.235	-6.227
10	-.067	.017	-59.1	-25.8	206.1	-10.683	-4.956

EXCENTRICIDADES RESULTANTES CABEZA -.125262943502 -.286953479222
EXCENTRICIDADES 1 ORDEN CABEZA -.126152353227 -.286754002911

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	56.9	-111.8	224.3	14.867	-29.042

1	-.001	.001	45.2	-104.4	222.4	11.345	-25.882
2	-.004	.002	33.4	-96.6	220.6	8.016	-22.682
3	-.008	.004	21.6	-88.5	218.8	4.921	-19.503
4	-.014	.006	9.7	-80.1	217.0	2.097	-16.418
5	-.021	.008	-2.1	-71.4	215.2	-.422	-13.538
6	-.029	.011	-13.8	-62.5	213.4	-2.622	-11.008
7	-.038	.013	-25.4	-53.5	211.6	-4.548	-8.976
8	-.047	.015	-36.8	-44.4	209.7	-6.334	-7.484
9	-.057	.016	-48.1	-35.2	207.9	-8.255	-6.260
10	-.068	.017	-59.1	-25.9	206.1	-10.703	-4.981

EXCENTRICIDADES RESULTANTES CABEZA -.125700332603 -.286847289051
EXCENTRICIDADES 1 ORDEN CABEZA -.126152353227 -.286754002911

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	56.9	-111.9	224.3	14.902	-29.129
1	-.001	.001	45.2	-104.5	222.4	11.369	-25.955
2	-.004	.002	33.4	-96.7	220.6	8.035	-22.752
3	-.008	.004	21.6	-88.6	218.8	4.935	-19.572
4	-.014	.006	9.7	-80.1	217.0	2.105	-16.487
5	-.021	.008	-2.1	-71.5	215.2	-.420	-13.602
6	-.029	.011	-13.8	-62.6	213.4	-2.627	-11.060
7	-.038	.013	-25.4	-53.6	211.6	-4.558	-9.012
8	-.047	.015	-36.8	-44.5	209.7	-6.344	-7.506
9	-.057	.016	-48.1	-35.3	207.9	-8.265	-6.277
10	-.068	.017	-59.1	-26.0	206.1	-10.711	-4.994

EXCENTRICIDADES RESULTANTES CABEZA -.125922990309 -.286797923402
EXCENTRICIDADES 1 ORDEN CABEZA -.126152353227 -.286754002911

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	56.9	-111.9	224.3	14.918	-29.169
1	-.001	.001	45.2	-104.5	222.4	11.381	-25.991
2	-.004	.002	33.4	-96.7	220.6	8.044	-22.787
3	-.008	.004	21.6	-88.6	218.8	4.942	-19.608
4	-.014	.006	9.7	-80.2	217.0	2.110	-16.523
5	-.021	.008	-2.1	-71.5	215.2	-.419	-13.636
6	-.029	.011	-13.8	-62.7	213.4	-2.630	-11.089
7	-.038	.013	-25.3	-53.6	211.6	-4.563	-9.031
8	-.048	.015	-36.8	-44.5	209.7	-6.348	-7.516
9	-.057	.016	-48.0	-35.3	207.9	-8.268	-6.283
10	-.068	.017	-59.1	-26.0	206.1	-10.713	-4.999

EXCENTRICIDADES RESULTANTES CABEZA -.126036336335 -.286775332134
EXCENTRICIDADES 1 ORDEN CABEZA -.126152353227 -.286754002911

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	57.0	-111.9	224.3	14.925	-29.188
1	-.001	.001	45.2	-104.6	222.4	11.386	-26.009
2	-.004	.002	33.4	-96.8	220.6	8.049	-22.805
3	-.008	.004	21.6	-88.6	218.8	4.946	-19.626
4	-.014	.006	9.7	-80.2	217.0	2.112	-16.541
5	-.021	.008	-2.1	-71.5	215.2	-.419	-13.654
6	-.029	.011	-13.8	-62.7	213.4	-2.632	-11.103
7	-.038	.013	-25.3	-53.7	211.6	-4.565	-9.038
8	-.048	.015	-36.8	-44.5	209.7	-6.352	-7.523
9	-.058	.016	-48.0	-35.3	207.9	-8.269	-6.287
10	-.068	.017	-59.1	-26.0	206.1	-10.713	-5.001

EXCENTRICIDADES RESULTANTES CABEZA -.126093674117 -.286764317948
EXCENTRICIDADES 1 ORDEN CABEZA -.126152353227 -.286754002911
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 15 TANTEO 0

Fpx= -7.9 t Fpy= 7.6 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	22.5	-95.9	235.5	4.559	-18.093

1	-.001	0.000	16.1	-88.4	233.6	3.552	-18.566
2	-.003	.001	9.6	-80.6	231.8	2.139	-17.086
3	-.006	.001	3.1	-72.7	230.0	.671	-14.891
4	-.010	.002	-3.4	-64.6	228.2	-.710	-12.521
5	-.015	.002	-9.9	-56.4	226.4	-1.947	-10.201
6	-.021	.003	-16.4	-48.1	224.6	-3.006	-8.056
7	-.027	.003	-22.9	-39.8	222.8	-3.864	-6.181
8	-.034	.003	-29.2	-31.5	220.9	-4.529	-4.661
9	-.041	.003	-35.5	-23.3	219.1	-5.180	-3.383
10	-.049	.002	-41.8	-15.0	217.3	-5.905	-2.198

EXCENTRICIDADES RESULTANTES CABEZA -.0690895430056 -.192173395263
EXCENTRICIDADES 1 ORDEN CABEZA -.1173492867 -.190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	23.0	-107.6	235.5	5.055	-22.536
1	-.001	0.000	16.5	-99.9	233.6	3.667	-21.117
2	-.003	.001	10.0	-92.0	231.8	2.166	-18.794
3	-.007	.001	3.5	-83.8	230.0	.722	-16.206
4	-.011	.002	-3.0	-75.5	228.2	-.596	-13.621
5	-.017	.002	-9.6	-67.1	226.4	-1.749	-11.194
6	-.024	.003	-16.1	-58.5	224.6	-2.712	-9.057
7	-.031	.003	-22.5	-49.9	222.8	-3.483	-7.362
8	-.039	.003	-28.9	-41.3	220.9	-4.210	-5.991
9	-.047	.003	-35.3	-32.7	219.1	-4.979	-4.769
10	-.055	.002	-41.5	-24.1	217.3	-5.826	-3.643

EXCENTRICIDADES RESULTANTES CABEZA -.110898485968 -.191150539383
EXCENTRICIDADES 1 ORDEN CABEZA -.1173492867 -.190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	23.1	-108.3	235.5	5.445	-24.661
1	-.001	0.000	16.6	-100.7	233.6	3.846	-22.351
2	-.003	.001	10.1	-92.8	231.8	2.259	-19.689
3	-.007	.001	3.6	-84.7	230.0	.766	-16.946
4	-.012	.002	-2.9	-76.4	228.2	-.592	-14.265
5	-.018	.003	-9.5	-67.9	226.4	-1.788	-11.761
6	-.025	.003	-16.0	-59.4	224.6	-2.810	-9.546
7	-.033	.003	-22.5	-50.7	222.8	-3.682	-7.725
8	-.041	.003	-28.9	-42.1	220.9	-4.446	-6.257
9	-.049	.003	-35.2	-33.4	219.1	-5.211	-4.973
10	-.058	.003	-41.4	-24.8	217.3	-6.038	-3.780

EXCENTRICIDADES RESULTANTES CABEZA -.114198466412 -.190714691574
EXCENTRICIDADES 1 ORDEN CABEZA -.1173492867 -.190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	23.1	-108.9	235.5	5.609	-25.646
1	-.001	0.000	16.7	-101.3	233.6	3.924	-22.989
2	-.003	.001	10.2	-93.4	231.8	2.301	-20.191
3	-.007	.001	3.6	-85.3	230.0	.784	-17.381
4	-.013	.002	-2.9	-77.0	228.2	-.595	-14.653
5	-.019	.003	-9.5	-68.5	226.4	-1.814	-12.102
6	-.026	.003	-16.0	-59.9	224.6	-2.860	-9.832
7	-.034	.004	-22.4	-51.2	222.8	-3.747	-7.940
8	-.042	.004	-28.8	-42.5	220.9	-4.518	-6.422
9	-.051	.003	-35.2	-33.8	219.1	-5.282	-5.103
10	-.060	.003	-41.4	-25.1	217.3	-6.105	-3.880

EXCENTRICIDADES RESULTANTES CABEZA -.115650499228 -.190606350284
EXCENTRICIDADES 1 ORDEN CABEZA -.1173492867 -.190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	23.1	-109.3	235.5	5.682	-26.099
1	-.001	0.000	16.7	-101.7	233.6	3.963	-23.314
2	-.003	.001	10.2	-93.8	231.8	2.323	-20.466
3	-.008	.001	3.7	-85.6	230.0	.794	-17.630
4	-.013	.002	-2.9	-77.3	228.2	-.598	-14.879
5	-.019	.003	-9.4	-68.8	226.4	-1.830	-12.301
6	-.026	.003	-16.0	-60.1	224.6	-2.889	-9.995
7	-.034	.004	-22.4	-51.5	222.8	-3.784	-8.057
8	-.043	.004	-28.8	-42.7	220.9	-4.558	-6.504

9	-.052	.003	-35.2	-34.0	219.1	-5.319	-5.165
10	-.061	.003	-41.4	-25.3	217.3	-6.137	-3.926

EXCENTRICIDADES RESULTANTES CABEZA -.116450347158 -.190557112314
EXCENTRICIDADES 1 ORDEN CABEZA -.1173492867 -.190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	23.1	-109.5	235.5	5.715	-26.309
1	-.001	0.000	16.7	-101.9	233.6	3.982	-23.479
2	-.004	.001	10.2	-94.0	231.8	2.335	-20.613
3	-.008	.001	3.7	-85.8	230.0	.799	-17.767
4	-.013	.002	-2.9	-77.4	228.2	-.600	-15.007
5	-.019	.003	-9.4	-68.9	226.4	-1.839	-12.414
6	-.026	.003	-15.9	-60.3	224.6	-2.905	-10.087
7	-.034	.004	-22.4	-51.6	222.8	-3.804	-8.121
8	-.043	.004	-28.8	-42.9	220.9	-4.578	-6.547
9	-.052	.003	-35.2	-34.1	219.1	-5.337	-5.197
10	-.061	.003	-41.4	-25.4	217.3	-6.151	-3.949

EXCENTRICIDADES RESULTANTES CABEZA -.116876637943 -.190535735637
EXCENTRICIDADES 1 ORDEN CABEZA -.1173492867 -.190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	23.1	-109.6	235.5	5.730	-26.408
1	-.001	0.000	16.7	-102.0	233.6	3.991	-23.563
2	-.004	.001	10.2	-94.1	231.8	2.340	-20.692
3	-.008	.001	3.7	-85.9	230.0	.802	-17.842
4	-.013	.002	-2.9	-77.5	228.2	-.601	-15.077
5	-.019	.003	-9.4	-69.0	226.4	-1.844	-12.476
6	-.027	.003	-15.9	-60.4	224.6	-2.914	-10.137
7	-.035	.004	-22.4	-51.7	222.8	-3.815	-8.156
8	-.043	.004	-28.8	-42.9	220.9	-4.588	-6.569
9	-.052	.003	-35.2	-34.2	219.1	-5.346	-5.213
10	-.062	.003	-41.4	-25.4	217.3	-6.157	-3.960

EXCENTRICIDADES RESULTANTES CABEZA -.117101402372 -.190526520204
EXCENTRICIDADES 1 ORDEN CABEZA -.1173492867 -.190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	23.1	-109.6	235.5	5.737	-26.456
1	-.001	0.000	16.7	-102.0	233.6	3.996	-23.606
2	-.004	.001	10.2	-94.1	231.8	2.344	-20.733
3	-.008	.001	3.7	-86.0	230.0	.803	-17.883
4	-.013	.002	-2.9	-77.6	228.2	-.602	-15.116
5	-.019	.003	-9.4	-69.1	226.4	-1.847	-12.510
6	-.027	.003	-15.9	-60.4	224.6	-2.919	-10.164
7	-.035	.004	-22.4	-51.7	222.8	-3.821	-8.174
8	-.043	.004	-28.8	-43.0	220.9	-4.593	-6.580
9	-.052	.003	-35.2	-34.2	219.1	-5.349	-5.220
10	-.062	.003	-41.4	-25.5	217.3	-6.162	-3.967

EXCENTRICIDADES RESULTANTES CABEZA -.117219598012 -.190522898457
EXCENTRICIDADES 1 ORDEN CABEZA -.1173492867 -.190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	23.1	-109.7	235.5	5.740	-26.480
1	-.001	0.000	16.7	-102.1	233.6	3.998	-23.629
2	-.004	.001	10.2	-94.1	231.8	2.345	-20.755
3	-.008	.001	3.7	-86.0	230.0	.804	-17.904
4	-.013	.002	-2.9	-77.6	228.2	-.602	-15.136
5	-.019	.003	-9.4	-69.1	226.4	-1.849	-12.529
6	-.027	.003	-15.9	-60.4	224.6	-2.922	-10.179
7	-.035	.004	-22.4	-51.7	222.8	-3.824	-8.182
8	-.043	.004	-28.8	-43.0	220.9	-4.596	-6.587
9	-.052	.003	-35.2	-34.2	219.1	-5.351	-5.224
10	-.062	.003	-41.4	-25.5	217.3	-6.164	-3.970

EXCENTRICIDADES RESULTANTES CABEZA -.117281490463 -.190521257869
EXCENTRICIDADES 1 ORDEN CABEZA -.1173492867 -.190520018408
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 16 TANTEO 0

Fpx= -7.9 t Fpy= 13.2 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	42.7	-73.5	207.2	8.267	-13.564
1	-0.000	0.000	31.5	-66.0	205.3	6.640	-13.491
2	-.002	.001	20.2	-58.4	203.5	4.231	-11.735
3	-.004	.002	8.9	-50.7	201.7	1.773	-9.501
4	-.007	.003	-2.4	-43.0	199.9	-.444	-7.294
5	-.011	.004	-13.7	-35.3	198.1	-2.305	-5.361
6	-.014	.005	-25.0	-27.6	196.3	-3.774	-3.880
7	-.019	.006	-36.3	-19.9	194.5	-5.147	-2.815
8	-.023	.007	-47.4	-12.2	192.6	-6.756	-1.839
9	-.027	.006	-58.5	-4.7	190.8	-8.838	-.774
10	-.032	.006	-69.4	2.8	189.0	-11.614	.516

EXCENTRICIDADES RESULTANTES CABEZA .014972863353 -.36737689229
EXCENTRICIDADES 1 ORDEN CABEZA -.0164021164021 -.361904761905

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	43.9	-80.2	207.2	9.226	-16.339
1	-.001	0.000	32.7	-72.6	205.3	6.817	-14.544
2	-.002	.001	21.4	-64.9	203.5	4.241	-12.120
3	-.005	.002	10.1	-57.2	201.7	1.849	-9.660
4	-.008	.003	-1.3	-49.3	199.9	-.218	-7.472
5	-.011	.005	-12.7	-41.5	198.1	-1.903	-5.825
6	-.016	.006	-24.0	-33.6	196.3	-3.397	-4.750
7	-.020	.007	-35.3	-25.8	194.5	-5.012	-3.862
8	-.025	.007	-46.5	-18.0	192.6	-7.000	-2.967
9	-.030	.007	-57.6	-10.2	190.8	-9.595	-1.857
10	-.035	.006	-68.5	-2.6	189.0	-12.837	-.510

EXCENTRICIDADES RESULTANTES CABEZA -.0135101910065 -.362685264004
EXCENTRICIDADES 1 ORDEN CABEZA -.0164021164021 -.361904761905

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	43.9	-80.3	207.2	9.787	-17.472
1	-.001	0.000	32.7	-72.8	205.3	6.992	-14.964
2	-.002	.001	21.5	-65.1	203.5	4.300	-12.298
3	-.005	.002	10.1	-57.3	201.7	1.875	-9.761
4	-.008	.004	-1.2	-49.5	199.9	-.206	-7.573
5	-.012	.005	-12.6	-41.7	198.1	-1.947	-5.938
6	-.016	.006	-23.9	-33.9	196.3	-3.516	-4.842
7	-.021	.007	-35.2	-26.1	194.5	-5.179	-3.943
8	-.025	.007	-46.4	-18.3	192.6	-7.207	-3.078
9	-.030	.007	-57.5	-10.6	190.8	-9.959	-1.982
10	-.036	.007	-68.4	-2.9	189.0	-13.351	-.601

EXCENTRICIDADES RESULTANTES CABEZA -.0154321572762 -.362126356791
EXCENTRICIDADES 1 ORDEN CABEZA -.0164021164021 -.361904761905

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	44.0	-80.4	207.2	10.002	-17.948
1	-.001	0.000	32.8	-72.9	205.3	7.064	-15.166
2	-.002	.001	21.5	-65.3	203.5	4.328	-12.401
3	-.005	.002	10.2	-57.5	201.7	1.887	-9.830
4	-.008	.004	-1.2	-49.7	199.9	-.202	-7.636
5	-.012	.005	-12.5	-41.9	198.1	-1.958	-5.997
6	-.016	.006	-23.9	-34.0	196.3	-3.540	-4.900
7	-.021	.007	-35.1	-26.2	194.5	-5.221	-4.004
8	-.026	.007	-46.4	-18.4	192.6	-7.290	-3.132
9	-.031	.007	-57.5	-10.7	190.8	-10.115	-2.027
10	-.036	.007	-68.4	-3.0	189.0	-13.564	-.628

EXCENTRICIDADES RESULTANTES CABEZA -.0159246407726 -.362008009381
EXCENTRICIDADES 1 ORDEN CABEZA -.0164021164021 -.361904761905

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	44.0	-80.5	207.2	10.090	-18.145
1	-.001	0.000	32.8	-73.0	205.3	7.098	-15.262
2	-.002	.001	21.5	-65.3	203.5	4.343	-12.459

3	-.005	.002	10.2	-57.6	201.7	1.895	-9.873
4	-.008	.004	-1.2	-49.8	199.9	-.200	-7.673
5	-.012	.005	-12.5	-41.9	198.1	-1.963	-6.028
6	-.016	.006	-23.9	-34.1	196.3	-3.551	-4.924
7	-.021	.007	-35.1	-26.3	194.5	-5.240	-4.028
8	-.026	.008	-46.3	-18.5	192.6	-7.323	-3.155
9	-.031	.008	-57.4	-10.7	190.8	-10.180	-2.048
10	-.036	.007	-68.4	-3.1	189.0	-13.649	-.641

EXCENTRICIDADES RESULTANTES CABEZA -.0161747657344 -.361952207703
EXCENTRICIDADES 1 ORDEN CABEZA -.0164021164021 -.361904761905

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	44.0	-80.5	207.2	10.126	-18.227
1	-.001	0.000	32.8	-73.0	205.3	7.114	-15.307
2	-.002	.001	21.5	-65.4	203.5	4.352	-12.490
3	-.005	.002	10.2	-57.6	201.7	1.899	-9.897
4	-.008	.004	-1.2	-49.8	199.9	-.199	-7.694
5	-.012	.005	-12.5	-42.0	198.1	-1.966	-6.042
6	-.016	.006	-23.9	-34.1	196.3	-3.555	-4.934
7	-.021	.007	-35.1	-26.3	194.5	-5.247	-4.038
8	-.026	.008	-46.3	-18.5	192.6	-7.337	-3.165
9	-.031	.008	-57.4	-10.8	190.8	-10.207	-2.057
10	-.036	.007	-68.4	-3.1	189.0	-13.683	-.647

EXCENTRICIDADES RESULTANTES CABEZA -.0162941044327 -.361927096992
EXCENTRICIDADES 1 ORDEN CABEZA -.0164021164021 -.361904761905

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	44.0	-80.6	207.2	10.141	-18.260
1	-.001	0.000	32.8	-73.1	205.3	7.121	-15.328
2	-.002	.001	21.5	-65.4	203.5	4.356	-12.506
3	-.005	.002	10.2	-57.6	201.7	1.901	-9.910
4	-.008	.004	-1.2	-49.8	199.9	-.199	-7.702
5	-.012	.005	-12.5	-42.0	198.1	-1.967	-6.049
6	-.016	.006	-23.9	-34.1	196.3	-3.558	-4.939
7	-.021	.007	-35.1	-26.3	194.5	-5.250	-4.042
8	-.026	.008	-46.3	-18.5	192.6	-7.341	-3.169
9	-.031	.008	-57.4	-10.8	190.8	-10.218	-2.062
10	-.036	.007	-68.4	-3.1	189.0	-13.696	-.650

EXCENTRICIDADES RESULTANTES CABEZA -.0163518870484 -.361915443196
EXCENTRICIDADES 1 ORDEN CABEZA -.0164021164021 -.361904761905

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	44.0	-80.6	207.2	10.147	-18.274
1	-.001	0.000	32.8	-73.1	205.3	7.125	-15.338
2	-.002	.001	21.5	-65.4	203.5	4.357	-12.511
3	-.005	.002	10.2	-57.6	201.7	1.902	-9.915
4	-.008	.004	-1.2	-49.8	199.9	-.199	-7.709
5	-.012	.005	-12.5	-42.0	198.1	-1.967	-6.052
6	-.016	.006	-23.9	-34.1	196.3	-3.559	-4.942
7	-.021	.007	-35.1	-26.3	194.5	-5.251	-4.044
8	-.026	.008	-46.3	-18.5	192.6	-7.342	-3.171
9	-.031	.008	-57.4	-10.8	190.8	-10.220	-2.063
10	-.036	.007	-68.4	-3.1	189.0	-13.698	-.651

EXCENTRICIDADES RESULTANTES CABEZA -.016380537327 -.361909530397
EXCENTRICIDADES 1 ORDEN CABEZA -.0164021164021 -.361904761905
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 17 TANTEO 0

Fpx= 5 t Fpy= 18.5 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	73.3	50.7	196.1	14.071	10.055
1	0.000	0.000	57.0	46.4	194.2	12.248	10.144
2	.001	.002	40.5	42.0	192.4	8.457	8.892
3	.003	.004	24.0	37.5	190.6	4.596	7.150
4	.005	.006	7.5	32.9	188.8	1.288	5.387
5	.008	.008	-8.9	28.2	187.0	-1.368	3.941
6	.011	.011	-25.3	23.5	185.2	-3.443	3.060
7	.014	.013	-41.4	18.7	183.4	-5.668	2.581
8	.017	.014	-57.5	14.0	181.5	-8.460	2.211
9	.021	.015	-73.3	9.2	179.7	-12.386	1.675
10	.024	.016	-88.9	4.4	177.9	-17.518	.901

EXCENTRICIDADES RESULTANTES CABEZA .0244920902656 -.499814506535
EXCENTRICIDADES 1 ORDEN CABEZA .0483417650365 -.484541877459

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	76.5	55.5	196.1	16.397	12.103
1	0.000	.001	60.0	51.2	194.2	12.506	10.805
2	.002	.002	43.5	46.7	192.4	8.320	8.881
3	.003	.004	26.9	42.1	190.6	4.631	6.878
4	.006	.006	10.4	37.4	188.8	1.584	5.217
5	.008	.009	-6.1	32.7	187.0	-.827	4.254
6	.011	.011	-22.5	27.9	185.2	-3.067	3.833
7	.015	.014	-38.7	23.0	183.4	-5.685	3.636
8	.018	.015	-54.8	18.1	181.5	-9.233	3.304
9	.022	.017	-70.8	13.2	179.7	-13.890	2.729
10	.026	.017	-86.4	8.3	177.9	-19.418	1.900

EXCENTRICIDADES RESULTANTES CABEZA .0466267801061 -.485673044592
EXCENTRICIDADES 1 ORDEN CABEZA .0483417650365 -.484541877459

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	76.4	55.5	196.1	17.438	12.742
1	0.000	.001	60.0	51.2	194.2	12.699	10.927
2	.002	.002	43.5	46.7	192.4	8.302	8.846
3	.004	.004	27.0	42.2	190.6	4.576	6.828
4	.006	.007	10.4	37.5	188.8	1.572	5.205
5	.009	.009	-6.0	32.8	187.0	-.840	4.271
6	.012	.012	-22.4	28.0	185.2	-3.150	3.876
7	.015	.014	-38.7	23.2	183.4	-5.873	3.702
8	.018	.016	-54.7	18.4	181.5	-9.642	3.456
9	.022	.017	-70.6	13.5	179.7	-14.552	2.882
10	.026	.017	-86.2	8.5	177.9	-20.134	2.016

EXCENTRICIDADES RESULTANTES CABEZA .0480230378829 -.484817078684
EXCENTRICIDADES 1 ORDEN CABEZA .0483417650365 -.484541877459

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	76.5	55.5	196.1	17.821	12.992
1	0.000	.001	60.1	51.2	194.2	12.772	10.988
2	.002	.002	43.5	46.7	192.4	8.298	8.844
3	.004	.004	27.0	42.2	190.6	4.568	6.810
4	.006	.007	10.5	37.5	188.8	1.576	5.206
5	.009	.009	-6.0	32.8	187.0	-.837	4.280
6	.012	.012	-22.4	28.1	185.2	-3.161	3.902
7	.015	.014	-38.6	23.2	183.4	-5.926	3.752
8	.018	.016	-54.7	18.4	181.5	-9.815	3.514
9	.022	.017	-70.6	13.5	179.7	-14.820	2.931
10	.026	.017	-86.2	8.6	177.9	-20.384	2.044

EXCENTRICIDADES RESULTANTES CABEZA .0481915974594 -.484662030502
EXCENTRICIDADES 1 ORDEN CABEZA .0483417650365 -.484541877459

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	76.5	55.5	196.1	17.963	13.086
1	0.000	.001	60.1	51.2	194.2	12.804	11.015
2	.002	.002	43.6	46.8	192.4	8.301	8.847
3	.004	.004	27.0	42.2	190.6	4.567	6.810
4	.006	.007	10.5	37.6	188.8	1.578	5.209
5	.009	.009	-6.0	32.8	187.0	-.836	4.285
6	.012	.012	-22.4	28.1	185.2	-3.164	3.910
7	.015	.014	-38.6	23.3	183.4	-5.947	3.769
8	.019	.016	-54.7	18.4	181.5	-9.885	3.539
9	.022	.017	-70.6	13.5	179.7	-14.924	2.950
10	.026	.017	-86.2	8.6	177.9	-20.470	2.055

EXCENTRICIDADES RESULTANTES CABEZA .048275620067 -.484593044045
EXCENTRICIDADES 1 ORDEN CABEZA .0483417650365 -.484541877459

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	76.5	55.5	196.1	18.015	13.120
1	0.000	.001	60.1	51.2	194.2	12.818	11.027
2	.002	.002	43.6	46.8	192.4	8.303	8.850
3	.004	.004	27.0	42.2	190.6	4.569	6.812
4	.006	.007	10.5	37.6	188.8	1.579	5.212
5	.009	.009	-6.0	32.9	187.0	-.835	4.287
6	.012	.012	-22.4	28.1	185.2	-3.166	3.913
7	.015	.014	-38.6	23.3	183.4	-5.954	3.775
8	.019	.016	-54.7	18.4	181.5	-9.914	3.549
9	.022	.017	-70.6	13.5	179.7	-14.963	2.958
10	.026	.017	-86.2	8.6	177.9	-20.498	2.059

EXCENTRICIDADES RESULTANTES CABEZA .0483133159759 -.484562919462
EXCENTRICIDADES 1 ORDEN CABEZA .0483417650365 -.484541877459

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	76.5	55.5	196.1	18.035	13.133
1	0.000	.001	60.1	51.2	194.2	12.820	11.030
2	.002	.002	43.6	46.8	192.4	8.304	8.851
3	.004	.004	27.0	42.2	190.6	4.569	6.813
4	.006	.007	10.5	37.6	188.8	1.580	5.213
5	.009	.009	-6.0	32.9	187.0	-.835	4.288
6	.012	.012	-22.4	28.1	185.2	-3.166	3.915
7	.015	.014	-38.6	23.3	183.4	-5.956	3.777
8	.019	.016	-54.7	18.4	181.5	-9.925	3.553
9	.022	.017	-70.6	13.5	179.7	-14.978	2.961
10	.026	.017	-86.2	8.6	177.9	-20.508	2.060

EXCENTRICIDADES RESULTANTES CABEZA .0483317215418 -.484548584277
EXCENTRICIDADES 1 ORDEN CABEZA .0483417650365 -.484541877459

CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 18 TANTEO 0

Fpx= -8.5 t Fpy= 17.6 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	70.8	-82.9	173.9	15.390	-17.907
1	-.001	.001	55.1	-75.6	172.0	13.637	-18.805
2	-.003	.002	39.4	-68.1	170.2	9.720	-16.941
3	-.006	.004	23.7	-60.5	168.4	5.575	-14.241
4	-.010	.007	7.9	-52.6	166.6	1.756	-11.418
5	-.015	.010	-7.7	-44.7	164.8	-1.586	-8.765
6	-.021	.012	-23.3	-36.6	163.0	-4.411	-6.485
7	-.027	.014	-38.7	-28.6	161.2	-6.784	-4.794
8	-.033	.016	-54.0	-20.5	159.3	-9.301	-3.665
9	-.040	.017	-69.0	-12.3	157.5	-12.910	-2.420
10	-.046	.018	-83.9	-4.1	155.7	-17.651	-.896

EXCENTRICIDADES RESULTANTES CABEZA -.0266259782133 -.538760812179
EXCENTRICIDADES 1 ORDEN CABEZA -.072575465639 -.521515735389

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	73.9	-91.1	173.9	18.241	-22.606
1	-.001	.001	58.2	-83.8	172.0	14.330	-20.769
2	-.003	.002	42.5	-76.1	170.2	9.978	-17.879
3	-.007	.005	26.6	-68.3	168.4	5.878	-14.768
4	-.011	.007	10.8	-60.3	166.6	2.221	-11.786
5	-.017	.010	-4.9	-52.2	164.8	-.927	-9.196
6	-.023	.013	-20.6	-44.0	163.0	-3.591	-7.350
7	-.029	.016	-36.1	-35.7	161.2	-6.197	-6.370
8	-.036	.018	-51.5	-27.3	159.3	-9.584	-5.350
9	-.044	.020	-66.6	-18.9	157.5	-13.967	-4.077
10	-.051	.020	-81.6	-10.5	155.7	-19.154	-2.476

EXCENTRICIDADES RESULTANTES CABEZA -.0676281115889 -.5239325603
EXCENTRICIDADES 1 ORDEN CABEZA -.072575465639 -.521515735389

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	74.1	-91.2	173.9	19.433	-24.216
1	-.001	.001	58.4	-83.9	172.0	14.722	-21.397
2	-.003	.002	42.6	-76.4	170.2	10.160	-18.232
3	-.007	.005	26.8	-68.6	168.4	5.985	-15.041
4	-.012	.008	11.0	-60.6	166.6	2.285	-12.020
5	-.017	.011	-4.7	-52.6	164.8	-.901	-9.414
6	-.023	.014	-20.3	-44.4	163.0	-3.673	-7.533
7	-.030	.016	-35.9	-36.1	161.2	-6.422	-6.447
8	-.037	.019	-51.2	-27.8	159.3	-9.871	-5.554
9	-.045	.020	-66.4	-19.4	157.5	-14.431	-4.303
10	-.053	.021	-81.3	-11.1	155.7	-19.659	-2.658

EXCENTRICIDADES RESULTANTES CABEZA -.0709820872497 -.522235231545
EXCENTRICIDADES 1 ORDEN CABEZA -.072575465639 -.521515735389

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	74.1	-91.4	173.9	19.834	-24.772
1	-.001	.001	58.5	-84.1	172.0	14.867	-21.651
2	-.003	.002	42.7	-76.6	170.2	10.239	-18.405
3	-.007	.005	26.9	-68.8	168.4	6.037	-15.189
4	-.012	.008	11.1	-60.8	166.6	2.317	-12.156
5	-.017	.011	-4.6	-52.7	164.8	-.892	-9.539
6	-.024	.014	-20.3	-44.6	163.0	-3.691	-7.640
7	-.031	.017	-35.8	-36.3	161.2	-6.456	-6.545
8	-.038	.019	-51.1	-28.0	159.3	-9.983	-5.644
9	-.046	.021	-66.3	-19.6	157.5	-14.604	-4.379
10	-.054	.021	-81.2	-11.2	155.7	-19.821	-2.711

EXCENTRICIDADES RESULTANTES CABEZA -.0718749121767 -.521796110754
EXCENTRICIDADES 1 ORDEN CABEZA -.072575465639 -.521515735389

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	74.2	-91.5	173.9	19.972	-24.969
1	-.001	.001	58.5	-84.2	172.0	14.925	-21.756
2	-.003	.002	42.8	-76.7	170.2	10.275	-18.487
3	-.007	.005	27.0	-68.9	168.4	6.062	-15.265
4	-.012	.008	11.2	-60.9	166.6	2.332	-12.229
5	-.018	.011	-4.6	-52.8	164.8	-.889	-9.608
6	-.024	.014	-20.2	-44.6	163.0	-3.702	-7.693
7	-.031	.017	-35.8	-36.4	161.2	-6.480	-6.582
8	-.038	.019	-51.1	-28.0	159.3	-10.027	-5.681
9	-.046	.021	-66.3	-19.7	157.5	-14.665	-4.410
10	-.054	.021	-81.2	-11.3	155.7	-19.869	-2.732

EXCENTRICIDADES RESULTANTES CABEZA -.0722697870022 -.521622783294
EXCENTRICIDADES 1 ORDEN CABEZA -.072575465639 -.521515735389

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	74.2	-91.6	173.9	20.019	-25.038
1	-.001	.001	58.5	-84.3	172.0	14.948	-21.799
2	-.003	.002	42.8	-76.7	170.2	10.291	-18.524
3	-.007	.005	27.0	-68.9	168.4	6.074	-15.302
4	-.012	.008	11.2	-61.0	166.6	2.339	-12.267
5	-.018	.011	-4.6	-52.9	164.8	-.889	-9.643
6	-.024	.014	-20.2	-44.7	163.0	-3.708	-7.720
7	-.031	.017	-35.7	-36.4	161.2	-6.490	-6.599
8	-.038	.019	-51.1	-28.1	159.3	-10.045	-5.696
9	-.046	.021	-66.3	-19.7	157.5	-14.686	-4.422
10	-.054	.021	-81.2	-11.3	155.7	-19.883	-2.740

EXCENTRICIDADES RESULTANTES CABEZA -.0724411712319 -.521557381074
EXCENTRICIDADES 1 ORDEN CABEZA -.072575465639 -.521515735389

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	74.2	-91.6	173.9	20.035	-25.064
1	-.001	.001	58.5	-84.3	172.0	14.957	-21.817
2	-.003	.002	42.8	-76.7	170.2	10.298	-18.541
3	-.007	.005	27.0	-68.9	168.4	6.079	-15.320
4	-.012	.008	11.2	-61.0	166.6	2.342	-12.286

5	-.018	.011	-4.6	-52.9	164.8	-.889	-9.661
6	-.024	.014	-20.2	-44.7	163.0	-3.712	-7.732
7	-.031	.017	-35.7	-36.4	161.2	-6.494	-6.606
8	-.038	.019	-51.1	-28.1	159.3	-10.052	-5.703
9	-.046	.021	-66.3	-19.7	157.5	-14.693	-4.427
10	-.054	.021	-81.2	-11.3	155.7	-19.882	-2.743

EXCENTRICIDADES RESULTANTES CABEZA -.0725161330767 -.521532152905

EXCENTRICIDADES 1 ORDEN CABEZA -.072575465639 -.521515735389

CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

VI.4 ESFUERZOS MAYORADOS EN BASE DE FUSTE 2

PROGRAMA: FUSTE VERSION: Mayo 1997

PROYECTO: 10648-MAYORAD F2

FECHA : SEPT 2001
DATOS CONTENIDOS EN EL FICHERO 10648M2F

----------MATERIALES----------

HormigÆn fck=350Kp/cm2 Yf=1.50 Acero fyk= 5100Kp/cm2 Ys=

-----CARACTERâSTICAS DE LA PILA-----

ALTURA: 8.41 m

RIGIDEZ SEGUN x: 0ton/m RIGIDEZ SEGUN y: 0ton/m
FLEXIBILIDAD SEGUN x: 0.0000000rad/mt FLEXIBILIDAD SEGUN y: 0.000000(:a

-----GEOMETRâA DE LA SECCIçN CAJçN-----

DIM. EXTERNAS DEL CAJON: EN LA BASE: 80 X 80 cm. EN CABEZA: 80 X 8(:m

ESPESORES: (BASE) Ex: 40cm, Ey: 40cm (CABEZA) Ex: 40cm, Ey: 40cm

RECUBRIMIENTO: DE LA ARMADURA EXTERIOR: 5cm. DE LA ARMADURA INTERIOR: 5cm.

--------ARMADURAS (cm2)-------

SECCION	EXTERIORES: SEGUN X	SEGUN Y	INTERIORES: SEGUN X	SEGUN
0	48.250	48.250	0.000	0.0(
1	48.250	48.250	0.000	0.0(
2	48.250	48.250	0.000	0.0(
3	48.250	48.250	0.000	0.0(
4	48.250	48.250	0.000	0.0(
5	48.250	48.250	0.000	0.0(
6	48.250	48.250	0.000	0.0(
7	48.250	48.250	0.000	0.0(
8	48.250	48.250	0.000	0.0(
9	48.250	48.250	0.000	0.00
10	48.250	48.250	0.000	0.00

PROGRAMA: FUSTE VERSION: Mayo 1997

----------ACCIONES----------

CLR es la Carga Linealmente Repartida, en t/m, en 11 secciones
La primera seccion es la de la base, y la ultima la de la cabeza

HIPçTESIS	Fx	Fy	Fz	Mx1	My1	Gampp					
1	-8.500	-12.000	331.000	70.500	-50.600	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	-8.500	-7.600	217.300	41.400	-26.000	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	5.000	-13.200	318.700	75.500	-38.100	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	-8.500	-12.300	296.600	70.500	-58.000	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	-3.600	-8.800	164.700	48.000	-6.700	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.33	.33	.33	.33	.33	.33	.33	.33	.33	.33	.33
6	-1.700	9.000	199.100	-11.000	-5.100	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	-.33	-.33	-.33	-.33	-.33	-.33	-.33	-.33	-.33	-.33	-.33
7	-8.500	-13.000	207.000	59.000	-26.000	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11
8	-9.000	-7.600	217.300	41.400	-26.500	1.35					
CLR, X:	-.11	-.11	-.11	-.11	-.11	-.11	-.11	-.11	-.11	-.11	-.11
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	-8.500	-19.000	308.400	93.200	-50.200	1.35					
CLR, X:	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	-9.000	-13.200	318.700	75.500	-50.700	1.35					
CLR, X:	-.11	-.11	-.11	-.11	-.11	-.11	-.11	-.11	-.11	-.11	-.11
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	4.500	-13.200	318.700	75.500	-38.600	1.35					
CLR, X:	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

PROGRAMA: FUSTE VERSION: Mayo 1997

HIPçTESIS	Fx	Fy	Fz	Mx1	My1	Gampp					
12	-8.500	-17.600	286.300	88.300	-58.000	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11
13	5.000	-6.600	341.300	52.700	-38.400	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11
14	-8.500	-3.200	227.600	23.600	-26.000	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11
15	-7.900	-7.600	217.300	41.400	-25.500	1.35					
CLR, X:	-.11	-.11	-.11	-.11	-.11	-.11	-.11	-.11	-.11	-.11	-.11
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	-7.900	-13.200	318.700	75.500	-49.700	1.35					
CLR, X:	-.11	-.11	-.11	-.11	-.11	-.11	-.11	-.11	-.11	-.11	-.11
CLR, Y:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	5.000	-7.800	329.000	58.000	-38.100	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11
18	-8.500	-6.900	306.900	52.800	-58.000	1.35					
CLR, X:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CLR, Y:	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11

PROGRAMA: FUSTE (PICO) VERSION: Mayo 1997

COMPROBACION DE PILAS

RESULTADOS CORRESPONDIENTES A LOS DATOS CONTENIDOS EN EL FICHERO 10648M2F

PROYECTO: 10648-MAYORAD F2

FECHA: SEPT 2001

Dim. base : Lx = .80 m Ly = .80 m . Espesores ex = .40 m ey = .40 m
Dim. cabeza: Lx = . .80 m Ly = .80 m . Espesores ex = .40 m ey = .40 m
MATERIALES . HormigÆn fck= 350 cm2. Yf=1.50 Acero fyk= 5100 cm2 Ys=1.15

DEFINICIONES

flch.x : FLECHA SEGUN EL EJE LONGITUDINAL (X) EN LA CABEZA DEL FUSTE
flch.y : FLECHA SEGUN EL EJE PERPENDICULAR (Y) EN LA CABEZA DEL FUSTE
Momx : MOMENTO DE EJE X, EN CABEZA DEL FUSTE
Momy : MOMENTO DE EJE Y, EN CABEZA DEL FUSTE
curv.x : CURVATURA SEGUN EJE X EN CABEZA DEL FUSTE
curv.y : CURVATURA SEGUN EJE Y EN CABEZA DEL FUSTE

HIPOTESIS 1 TANTEO 0

Fpx= -8.5 t Fpy= -12 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-30.4	-122.2	349.2	-6.139	-22.342
1	-.001	-0.000	-20.3	-114.8	347.3	-4.457	-23.160
2	-.003	-.001	-10.0	-106.8	345.5	-2.226	-21.774
3	-.007	-.001	.3	-98.3	343.7	-2.226	-19.468
4	-.013	-.002	10.7	-89.3	341.9	2.232	-16.907
5	-.019	-.003	21.0	-80.0	340.1	4.163	-14.293
6	-.027	-.003	31.2	-70.3	338.3	5.827	-11.872
7	-.035	-.003	41.3	-60.4	336.5	7.221	-9.755
8	-.044	-.003	51.2	-50.3	334.6	8.423	-7.985
9	-.054	-.002	60.9	-40.0	332.8	9.659	-6.382
10	-.064	0.000	70.4	-29.6	331.0	10.981	-4.828

EXCENTRICIDADES RESULTANTES CABEZA -.0893781943094 .212798731111
EXCENTRICIDADES 1 ORDEN CABEZA -.152870090634 .212990936556

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-30.4	-144.7	349.2	-6.676	-29.149
1	-.001	-0.000	-20.2	-137.1	347.3	-4.498	-27.910
2	-.004	-.001	-10.0	-128.8	345.5	-2.161	-25.470
3	-.009	-.002	.4	-119.9	343.7	-2.161	-22.651
4	-.015	-.002	10.8	-110.4	341.9	2.129	-19.698
5	-.023	-.003	21.1	-100.5	340.1	3.929	-16.940
6	-.032	-.004	31.3	-90.2	338.3	5.467	-14.545
7	-.042	-.004	41.4	-79.6	336.5	6.804	-12.618
8	-.053	-.003	51.4	-68.7	334.6	8.133	-10.934
9	-.065	-.002	61.1	-57.5	332.8	9.519	-9.373
10	-.077	-0.000	70.7	-46.2	331.0	11.043	-7.850

EXCENTRICIDADES RESULTANTES CABEZA -.139659158501 .213506321099
EXCENTRICIDADES 1 ORDEN CABEZA -.152870090634 .212990936556

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-30.6	-148.3	349.2	-7.413	-33.271
1	-.001	-0.000	-20.4	-140.7	347.3	-4.861	-30.910
2	-.005	-.001	-10.1	-132.4	345.5	-2.327	-27.951

3	-.010	-.002	.2	-123.4	343.7	-2.327	-24.845
4	-.017	-.003	10.7	-113.8	341.9	2.233	-21.639
5	-.026	-.003	21.0	-103.7	340.1	4.173	-18.657
6	-.036	-.004	31.3	-93.1	338.3	5.888	-15.992
7	-.047	-.004	41.4	-82.2	336.5	7.427	-13.712
8	-.059	-.003	51.3	-71.0	334.6	8.823	-11.755
9	-.072	-.002	61.1	-59.6	332.8	10.201	-9.976
10	-.085	-.001	70.5	-47.9	331.0	11.658	-8.274

EXCENTRICIDADES RESULTANTES CABEZA -.144782164566 .213130354008
EXCENTRICIDADES 1 ORDEN CABEZA -.152870090634 .212990936556

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-30.6	-151.0	349.2	-7.804	-35.717
1	-.001	-0.000	-20.5	-143.4	347.3	-5.060	-32.829
2	-.005	-.001	-10.1	-135.0	345.5	-2.416	-29.612
3	-.011	-.002	.2	-125.8	343.7	-2.416	-26.342
4	-.018	-.003	10.7	-116.1	341.9	2.311	-22.973
5	-.027	-.004	21.0	-105.8	340.1	4.329	-19.825
6	-.038	-.004	31.3	-95.1	338.3	6.109	-16.961
7	-.050	-.004	41.4	-83.9	336.5	7.681	-14.467
8	-.062	-.004	51.3	-72.5	334.6	9.087	-12.342
9	-.076	-.003	61.1	-60.8	332.8	10.452	-10.436
10	-.090	-.001	70.5	-48.8	331.0	11.890	-8.617

EXCENTRICIDADES RESULTANTES CABEZA -.147573139366 .213090410301
EXCENTRICIDADES 1 ORDEN CABEZA -.152870090634 .212990936556

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-30.7	-152.7	349.2	-8.028	-37.162
1	-.001	-0.000	-20.5	-145.1	347.3	-5.184	-34.039
2	-.005	-.001	-10.2	-136.7	345.5	-2.474	-30.699
3	-.011	-.002	.2	-127.5	343.7	-2.474	-27.339
4	-.019	-.003	10.6	-117.6	341.9	2.360	-23.870
5	-.028	-.004	21.0	-107.2	340.1	4.427	-20.606
6	-.039	-.004	31.3	-96.3	338.3	6.247	-17.602
7	-.051	-.004	41.4	-85.1	336.5	7.842	-14.953
8	-.065	-.004	51.3	-73.5	334.6	9.255	-12.697
9	-.079	-.003	61.1	-61.6	332.8	10.605	-10.699
10	-.094	-.001	70.5	-49.5	331.0	12.019	-8.806

EXCENTRICIDADES RESULTANTES CABEZA -.149469783278 .213048155941
EXCENTRICIDADES 1 ORDEN CABEZA -.152870090634 .212990936556

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-30.7	-153.8	349.2	-8.158	-38.021
1	-.001	-0.000	-20.5	-146.2	347.3	-5.261	-34.798
2	-.005	-.001	-10.2	-137.7	345.5	-2.512	-31.400
3	-.011	-.002	.2	-128.5	343.7	-2.512	-27.989
4	-.019	-.003	10.6	-118.6	341.9	2.393	-24.459
5	-.029	-.004	21.0	-108.1	340.1	4.491	-21.120
6	-.040	-.004	31.3	-97.2	338.3	6.336	-18.022
7	-.053	-.004	41.4	-85.8	336.5	7.943	-15.269
8	-.066	-.004	51.3	-74.1	334.6	9.355	-12.922
9	-.081	-.003	61.0	-62.1	332.8	10.693	-10.863
10	-.096	-.001	70.5	-49.9	331.0	12.090	-8.923

EXCENTRICIDADES RESULTANTES CABEZA -.15070453059 .213021906079
EXCENTRICIDADES 1 ORDEN CABEZA -.152870090634 .212990936556

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-30.7	-154.5	349.2	-8.235	-38.539
1	-.001	-0.000	-20.5	-146.9	347.3	-5.308	-35.273
2	-.005	-.001	-10.2	-138.4	345.5	-2.535	-31.846
3	-.011	-.002	.2	-129.2	343.7	-2.535	-28.406
4	-.019	-.003	10.6	-119.2	341.9	2.414	-24.840
5	-.029	-.004	21.0	-108.7	340.1	4.533	-21.453
6	-.041	-.004	31.3	-97.7	338.3	6.392	-18.294
7	-.053	-.004	41.4	-86.3	336.5	8.007	-15.473
8	-.067	-.004	51.3	-74.5	334.6	9.418	-13.065
9	-.082	-.003	61.0	-62.4	332.8	10.747	-10.966
10	-.097	-.001	70.5	-50.1	331.0	12.131	-8.994

EXCENTRICIDADES RESULTANTES CABEZA -.151497891042 .21300651839
EXCENTRICIDADES 1 ORDEN CABEZA -.152870090634 .212990936556

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-30.7	-155.0	349.2	-8.280	-38.856
1	-.001	-0.000	-20.5	-147.4	347.3	-5.337	-35.570
2	-.005	-.001	-10.2	-138.9	345.5	-2.549	-32.129
3	-.011	-.002	.2	-129.6	343.7	-2.549	-28.672
4	-.020	-.003	10.6	-119.6	341.9	2.428	-25.084
5	-.030	-.004	21.0	-109.1	340.1	4.559	-21.667
6	-.041	-.004	31.3	-98.0	338.3	6.429	-18.469
7	-.054	-.004	41.4	-86.6	336.5	8.048	-15.604
8	-.068	-.004	51.3	-74.7	334.6	9.458	-13.156
9	-.083	-.003	61.0	-62.6	332.8	10.780	-11.031
10	-.098	-.001	70.5	-50.3	331.0	12.157	-9.039

EXCENTRICIDADES RESULTANTES CABEZA -.152003083143 .212998390373
EXCENTRICIDADES 1 ORDEN CABEZA -.152870090634 .212990936556

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-30.7	-155.3	349.2	-8.308	-39.051
1	-.001	-0.000	-20.5	-147.6	347.3	-5.355	-35.756
2	-.005	-.001	-10.2	-139.1	345.5	-2.558	-32.307
3	-.011	-.002	.2	-129.9	343.7	-2.558	-28.841
4	-.020	-.003	10.6	-119.9	341.9	2.437	-25.240
5	-.030	-.004	21.0	-109.3	340.1	4.577	-21.804
6	-.041	-.004	31.3	-98.2	338.3	6.452	-18.581
7	-.054	-.004	41.4	-86.8	336.5	8.074	-15.687
8	-.068	-.004	51.3	-74.9	334.6	9.483	-13.214
9	-.083	-.003	61.0	-62.8	332.8	10.801	-11.071
10	-.099	-.001	70.5	-50.4	331.0	12.169	-9.065

EXCENTRICIDADES RESULTANTES CABEZA -.152323227891 .21299435562
EXCENTRICIDADES 1 ORDEN CABEZA -.152870090634 .212990936556

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-30.7	-155.5	349.2	-8.325	-39.172
1	-.001	-0.000	-20.5	-147.8	347.3	-5.366	-35.873
2	-.005	-.001	-10.2	-139.3	345.5	-2.563	-32.420
3	-.012	-.002	.2	-130.0	343.7	-2.563	-28.947
4	-.020	-.003	10.6	-120.0	341.9	2.443	-25.338
5	-.030	-.004	21.0	-109.5	340.1	4.588	-21.890
6	-.041	-.004	31.3	-98.4	338.3	6.467	-18.652
7	-.054	-.004	41.4	-86.9	336.5	8.091	-15.741
8	-.068	-.004	51.3	-75.0	334.6	9.499	-13.251
9	-.083	-.003	61.0	-62.9	332.8	10.812	-11.095
10	-.099	-.001	70.5	-50.5	331.0	12.181	-9.084

EXCENTRICIDADES RESULTANTES CABEZA -.15252570412 .212992628379
EXCENTRICIDADES 1 ORDEN CABEZA -.152870090634 .212990936556

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-30.7	-155.6	349.2	-8.335	-39.248
1	-.001	-0.000	-20.5	-147.9	347.3	-5.373	-35.947
2	-.005	-.001	-10.2	-139.4	345.5	-2.567	-32.491
3	-.012	-.002	.2	-130.1	343.7	-2.567	-29.014
4	-.020	-.003	10.6	-120.1	341.9	2.446	-25.400
5	-.030	-.004	21.0	-109.6	340.1	4.594	-21.945
6	-.042	-.004	31.3	-98.5	338.3	6.476	-18.697
7	-.054	-.004	41.4	-86.9	336.5	8.101	-15.775
8	-.069	-.004	51.3	-75.1	334.6	9.507	-13.272
9	-.084	-.003	61.0	-62.9	332.8	10.822	-11.112
10	-.099	-.001	70.5	-50.5	331.0	12.187	-9.095

EXCENTRICIDADES RESULTANTES CABEZA -.152653471779 .212991811382
EXCENTRICIDADES 1 ORDEN CABEZA -.152870090634 .212990936556

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-30.7	-155.6	349.2	-8.342	-39.295
1	-.001	-0.000	-20.5	-148.0	347.3	-5.377	-35.993
2	-.005	-.001	-10.2	-139.5	345.5	-2.569	-32.535
3	-.012	-.002	.2	-130.2	343.7	-2.569	-29.056
4	-.020	-.003	10.6	-120.2	341.9	2.449	-25.439

5	-.030	-.004	21.0	-109.6	340.1	4.599	-21.980
6	-.042	-.004	31.3	-98.5	338.3	6.482	-18.726
7	-.055	-.004	41.4	-87.0	336.5	8.106	-15.792
8	-.069	-.004	51.3	-75.1	334.6	9.515	-13.288
9	-.084	-.003	61.0	-63.0	332.8	10.827	-11.122
10	-.099	-.001	70.5	-50.6	331.0	12.190	-9.101

EXCENTRICIDADES RESULTANTES CABEZA -.152734198053 .212991441645
EXCENTRICIDADES 1 ORDEN CABEZA -.152870090634 .212990936556
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 2 TANTEO 0

Fpx= -8.5 t Fpy= -7.6 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-22.5	-97.6	235.5	-4.585	-18.532
1	-.001	-0.000	-16.1	-90.3	233.6	-3.579	-19.137
2	-.003	-.001	-9.6	-82.7	231.8	-2.159	-17.723
3	-.006	-.001	-3.1	-74.8	230.0	-.679	-15.543
4	-.010	-.002	3.4	-66.6	228.2	.720	-13.144
5	-.016	-.002	9.9	-58.3	226.4	1.980	-10.767
6	-.022	-.003	16.4	-49.8	224.6	3.065	-8.532
7	-.028	-.003	22.9	-41.3	222.8	3.947	-6.539
8	-.035	-.003	29.2	-32.6	220.9	4.620	-4.888
9	-.043	-.002	35.5	-23.9	219.1	5.244	-3.507
10	-.051	-.002	41.8	-15.1	217.3	5.942	-2.222

EXCENTRICIDADES RESULTANTES CABEZA -.0694786320045 .192147324389
EXCENTRICIDADES 1 ORDEN CABEZA -.119650253106 .190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-23.0	-109.7	235.5	-5.092	-23.192
1	-.001	-0.000	-16.5	-102.3	233.6	-3.701	-21.867
2	-.003	-.001	-10.0	-94.5	231.8	-2.190	-19.584
3	-.007	-.001	-3.5	-86.4	230.0	-.731	-16.991
4	-.012	-.002	3.1	-78.0	228.2	.608	-14.357
5	-.018	-.002	9.6	-69.4	226.4	1.785	-11.844
6	-.025	-.003	16.1	-60.6	224.6	2.772	-9.585
7	-.032	-.003	22.6	-51.7	222.8	3.554	-7.738
8	-.040	-.003	29.0	-42.7	220.9	4.264	-6.257
9	-.049	-.003	35.3	-33.6	219.1	5.012	-4.936
10	-.057	-.002	41.5	-24.5	217.3	5.838	-3.713

EXCENTRICIDADES RESULTANTES CABEZA -.112752145496 .191169457111
EXCENTRICIDADES 1 ORDEN CABEZA -.119650253106 .190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-23.1	-110.5	235.5	-5.493	-25.426
1	-.001	-0.000	-16.6	-103.1	233.6	-3.888	-23.197
2	-.003	-.001	-10.1	-95.4	231.8	-2.288	-20.558
3	-.007	-.001	-3.6	-87.3	230.0	-.777	-17.803
4	-.013	-.002	2.9	-78.9	228.2	.604	-15.067
5	-.019	-.003	9.5	-70.3	226.4	1.825	-12.466
6	-.026	-.003	16.0	-61.5	224.6	2.870	-10.119
7	-.034	-.003	22.5	-52.6	222.8	3.752	-8.142
8	-.043	-.004	28.9	-43.6	220.9	4.511	-6.541
9	-.052	-.003	35.2	-34.4	219.1	5.253	-5.149
10	-.061	-.003	41.4	-25.3	217.3	6.055	-3.854

EXCENTRICIDADES RESULTANTES CABEZA -.116247501432 .190725751763
EXCENTRICIDADES 1 ORDEN CABEZA -.119650253106 .190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-23.1	-111.2	235.5	-5.662	-26.460
1	-.001	-0.000	-16.7	-103.8	233.6	-3.969	-23.875
2	-.004	-.001	-10.2	-96.1	231.8	-2.332	-21.103
3	-.008	-.001	-3.6	-87.9	230.0	-.797	-18.280
4	-.013	-.002	2.9	-79.6	228.2	.607	-15.495

5	-.020	-.003	9.5	-70.9	226.4	1.852	-12.843
6	-.027	-.003	16.0	-62.1	224.6	2.921	-10.435
7	-.035	-.004	22.4	-53.1	222.8	3.821	-8.383
8	-.044	-.004	28.8	-44.0	220.9	4.587	-6.721
9	-.053	-.003	35.2	-34.8	219.1	5.328	-5.290
10	-.063	-.003	41.4	-25.6	217.3	6.123	-3.960

EXCENTRICIDADES RESULTANTES CABEZA -.117818081681 .190609688011
EXCENTRICIDADES 1 ORDEN CABEZA -.119650253106 .190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-23.1	-111.6	235.5	-5.737	-26.936
1	-.001	-0.000	-16.7	-104.2	233.6	-4.009	-24.220
2	-.004	-.001	-10.2	-96.4	231.8	-2.355	-21.399
3	-.008	-.001	-3.7	-88.3	230.0	-.807	-18.550
4	-.013	-.002	2.9	-79.9	228.2	.609	-15.742
5	-.020	-.003	9.4	-71.2	226.4	1.868	-13.063
6	-.027	-.003	16.0	-62.4	224.6	2.951	-10.617
7	-.036	-.004	22.4	-53.4	222.8	3.861	-8.516
8	-.045	-.004	28.8	-44.3	220.9	4.630	-6.812
9	-.054	-.003	35.2	-35.1	219.1	5.367	-5.356
10	-.064	-.003	41.4	-25.8	217.3	6.156	-4.009

EXCENTRICIDADES RESULTANTES CABEZA -.118680160666 .190557565203
EXCENTRICIDADES 1 ORDEN CABEZA -.119650253106 .190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-23.1	-111.8	235.5	-5.771	-27.157
1	-.001	-0.000	-16.7	-104.4	233.6	-4.029	-24.396
2	-.004	-.001	-10.2	-96.6	231.8	-2.367	-21.558
3	-.008	-.001	-3.7	-88.5	230.0	-.812	-18.699
4	-.013	-.002	2.9	-80.1	228.2	.611	-15.882
5	-.020	-.003	9.4	-71.4	226.4	1.878	-13.188
6	-.028	-.003	16.0	-62.6	224.6	2.968	-10.720
7	-.036	-.004	22.4	-53.5	222.8	3.883	-8.589
8	-.045	-.004	28.8	-44.4	220.9	4.652	-6.860
9	-.054	-.003	35.2	-35.2	219.1	5.386	-5.391
10	-.064	-.003	41.4	-25.9	217.3	6.172	-4.034

EXCENTRICIDADES RESULTANTES CABEZA -.119140057664 .190535467161
EXCENTRICIDADES 1 ORDEN CABEZA -.119650253106 .190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-23.1	-111.9	235.5	-5.786	-27.261
1	-.001	-0.000	-16.7	-104.5	233.6	-4.039	-24.485
2	-.004	-.001	-10.2	-96.7	231.8	-2.373	-21.642
3	-.008	-.001	-3.7	-88.6	230.0	-.815	-18.780
4	-.013	-.002	2.9	-80.2	228.2	.613	-15.958
5	-.020	-.003	9.4	-71.5	226.4	1.884	-13.257
6	-.028	-.003	16.0	-62.6	224.6	2.978	-10.777
7	-.036	-.004	22.4	-53.6	222.8	3.895	-8.629
8	-.045	-.004	28.8	-44.5	220.9	4.664	-6.886
9	-.055	-.003	35.2	-35.2	219.1	5.396	-5.409
10	-.064	-.003	41.4	-25.9	217.3	6.179	-4.046

EXCENTRICIDADES RESULTANTES CABEZA -.119382663476 .190526177456
EXCENTRICIDADES 1 ORDEN CABEZA -.119650253106 .190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-23.1	-111.9	235.5	-5.793	-27.312
1	-.001	-0.000	-16.7	-104.6	233.6	-4.044	-24.531
2	-.004	-.001	-10.2	-96.8	231.8	-2.377	-21.686
3	-.008	-.001	-3.7	-88.7	230.0	-.816	-18.823
4	-.013	-.002	2.9	-80.2	228.2	.614	-16.000
5	-.020	-.003	9.4	-71.6	226.4	1.887	-13.294
6	-.028	-.003	16.0	-62.7	224.6	2.984	-10.807
7	-.036	-.004	22.4	-53.7	222.8	3.901	-8.651
8	-.045	-.004	28.8	-44.5	220.9	4.668	-6.898
9	-.055	-.003	35.2	-35.3	219.1	5.400	-5.418
10	-.065	-.003	41.4	-26.0	217.3	6.184	-4.053

EXCENTRICIDADES RESULTANTES CABEZA -.119510307984 .190522681548
EXCENTRICIDADES 1 ORDEN CABEZA -.119650253106 .190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-23.2	-112.0	235.5	-5.797	-27.336
1	-.001	-0.000	-16.7	-104.6	233.6	-4.046	-24.554
2	-.004	-.001	-10.2	-96.8	231.8	-2.378	-21.709
3	-.008	-.001	-3.7	-88.7	230.0	-.817	-18.846
4	-.013	-.002	2.9	-80.3	228.2	.614	-16.022
5	-.020	-.003	9.4	-71.6	226.4	1.888	-13.315
6	-.028	-.003	16.0	-62.7	224.6	2.987	-10.824
7	-.036	-.004	22.4	-53.7	222.8	3.904	-8.660
8	-.045	-.004	28.8	-44.5	220.9	4.673	-6.906
9	-.055	-.003	35.2	-35.3	219.1	5.402	-5.422
10	-.065	-.003	41.4	-26.0	217.3	6.186	-4.056

EXCENTRICIDADES RESULTANTES CABEZA -.119577163758 .190521121544
EXCENTRICIDADES 1 ORDEN CABEZA -.119650253106 .190520018408
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 3 TANTEO 0

Fpx= 5 t Fpy= -13.2 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-35.5	4.0	336.9	-4.680	.521
1	0.000	-0.000	-24.4	-.3	335.0	-3.208	.521
2	0.000	-.001	-13.2	-4.5	333.2	-1.729	-.589
3	0.000	-.001	-1.9	-8.7	331.4	-.248	-1.140
4	0.000	-.002	9.4	-12.9	329.6	1.231	-1.688
5	-0.000	-.002	20.6	-17.0	327.8	2.704	-2.230
6	-.001	-.002	31.8	-21.1	326.0	4.169	-2.767
7	-.001	-.002	42.9	-25.1	324.2	5.636	-3.308
8	-.002	-.002	53.9	-29.1	322.3	7.255	-3.979
9	-.003	-.001	64.6	-33.0	320.5	9.126	-4.838
10	-.004	.001	75.2	-36.7	318.7	11.315	-5.876

EXCENTRICIDADES RESULTANTES CABEZA -.115259523903 .236066915908
EXCENTRICIDADES 1 ORDEN CABEZA -.119548164418 .236899905868

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-35.3	2.5	336.9	-4.645	.329
1	0.000	-0.000	-24.1	-1.7	335.0	-3.172	-.224
2	0.000	-.001	-12.9	-5.9	333.2	-1.694	-.775
3	-0.000	-.001	-1.6	-10.1	331.4	-.215	-1.322
4	-0.000	-.002	9.6	-14.2	329.6	1.264	-1.866
5	-0.000	-.002	20.9	-18.3	327.8	2.738	-2.404
6	-.001	-.002	32.1	-22.4	326.0	4.214	-2.945
7	-.002	-.002	43.1	-26.4	324.2	5.810	-3.602
8	-.003	-.002	54.1	-30.3	322.3	7.629	-4.434
9	-.004	-.001	64.9	-34.1	320.5	9.743	-5.440
10	-.005	.001	75.4	-37.8	318.7	12.204	-6.581

EXCENTRICIDADES RESULTANTES CABEZA -.118454748901 .2366562254
EXCENTRICIDADES 1 ORDEN CABEZA -.119548164418 .236899905868

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-35.2	2.2	336.9	-4.636	.289
1	0.000	-0.000	-24.1	-2.0	335.0	-3.163	-.264
2	0.000	-.001	-12.8	-6.2	333.2	-1.685	-.815
3	-0.000	-.001	-1.6	-10.4	331.4	-.205	-1.363
4	-0.000	-.002	9.7	-14.5	329.6	1.273	-1.907
5	-.001	-.002	21.0	-18.6	327.8	2.747	-2.445
6	-.001	-.002	32.1	-22.7	326.0	4.230	-2.992
7	-.002	-.002	43.2	-26.7	324.2	5.869	-3.682
8	-.003	-.002	54.2	-30.6	322.3	7.780	-4.572
9	-.004	-.001	64.9	-34.4	320.5	10.018	-5.643
10	-.006	.001	75.5	-38.0	318.7	12.618	-6.840

EXCENTRICIDADES RESULTANTES CABEZA -.119368710109 .236816171334
EXCENTRICIDADES 1 ORDEN CABEZA -.119548164418 .236899905868

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-35.2	2.2	336.9	-4.633	.284
1	0.000	-0.000	-24.0	-2.1	335.0	-3.160	-.270
2	0.000	-.001	-12.8	-6.3	333.2	-1.682	-.821
3	-0.000	-.001	-1.5	-10.4	331.4	-.202	-1.370
4	-0.000	-.002	9.7	-14.6	329.6	1.277	-1.913
5	-.001	-.002	21.0	-18.7	327.8	2.751	-2.451
6	-.001	-.002	32.2	-22.7	326.0	4.235	-3.001
7	-.002	-.002	43.2	-26.7	324.2	5.888	-3.700
8	-.003	-.002	54.2	-30.6	322.3	7.834	-4.614
9	-.004	-.001	64.9	-34.4	320.5	10.127	-5.716
10	-.006	.001	75.5	-38.1	318.7	12.794	-6.941

EXCENTRICIDADES RESULTANTES CABEZA -.119513770564 .236869999107
EXCENTRICIDADES 1 ORDEN CABEZA -.119548164418 .236899905868

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-35.2	2.1	336.9	-4.631	.282
1	0.000	-0.000	-24.0	-2.1	335.0	-3.159	-.271
2	0.000	-.001	-12.8	-6.3	333.2	-1.681	-.822
3	-0.000	-.001	-1.5	-10.4	331.4	-.201	-1.371
4	-0.000	-.002	9.7	-14.6	329.6	1.278	-1.914
5	-.001	-.002	21.0	-18.7	327.8	2.752	-2.453
6	-.001	-.002	32.2	-22.8	326.0	4.237	-3.002
7	-.002	-.002	43.2	-26.7	324.2	5.893	-3.705
8	-.003	-.002	54.2	-30.6	322.3	7.850	-4.627
9	-.004	-.001	65.0	-34.4	320.5	10.169	-5.743
10	-.006	.001	75.5	-38.1	318.7	12.867	-6.980

EXCENTRICIDADES RESULTANTES CABEZA -.11953968617 .236889732319
EXCENTRICIDADES 1 ORDEN CABEZA -.119548164418 .236899905868

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-35.2	2.1	336.9	-4.631	.282
1	0.000	-0.000	-24.0	-2.1	335.0	-3.159	-.271
2	0.000	-.001	-12.8	-6.3	333.2	-1.680	-.823
3	-0.000	-.001	-1.5	-10.4	331.4	-.200	-1.371
4	-0.000	-.002	9.7	-14.6	329.6	1.278	-1.915
5	-.001	-.002	21.0	-18.7	327.8	2.752	-2.453
6	-.001	-.002	32.2	-22.8	326.0	4.237	-3.003
7	-.002	-.002	43.2	-26.7	324.2	5.895	-3.706
8	-.003	-.002	54.2	-30.6	322.3	7.857	-4.632
9	-.004	-.001	65.0	-34.4	320.5	10.182	-5.751
10	-.006	.001	75.5	-38.1	318.7	12.896	-6.996

EXCENTRICIDADES RESULTANTES CABEZA -.11954558316 .236896436891
EXCENTRICIDADES 1 ORDEN CABEZA -.119548164418 .236899905868

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-35.2	2.1	336.9	-4.631	.282
1	0.000	-0.000	-24.0	-2.1	335.0	-3.158	-.271
2	0.000	-.001	-12.8	-6.3	333.2	-1.680	-.823
3	-0.000	-.001	-1.5	-10.4	331.4	-.200	-1.371
4	-0.000	-.002	9.7	-14.6	329.6	1.278	-1.915
5	-.001	-.002	21.0	-18.7	327.8	2.752	-2.453
6	-.001	-.002	32.2	-22.8	326.0	4.238	-3.003
7	-.002	-.002	43.2	-26.7	324.2	5.895	-3.707
8	-.003	-.002	54.2	-30.6	322.3	7.859	-4.633
9	-.004	-.001	65.0	-34.4	320.5	10.190	-5.756
10	-.006	.001	75.5	-38.1	318.7	12.905	-7.001

EXCENTRICIDADES RESULTANTES CABEZA -.119547231525 .236898572483
EXCENTRICIDADES 1 ORDEN CABEZA -.119548164418 .236899905868
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 4 TANTEO 0

Fpx= -8.5 t Fpy= -12.3 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-33.0	-129.6	314.8	-6.950	-25.136
1	-.001	-0.000	-22.6	-122.2	312.9	-5.271	-26.743
2	-.004	-.001	-12.0	-114.2	311.1	-2.867	-25.511
3	-.008	-.002	-1.4	-105.6	309.3	-.333	-23.097
4	-.014	-.003	9.2	-96.6	307.5	2.078	-20.276
5	-.022	-.003	19.7	-87.1	305.7	4.272	-17.390
6	-.031	-.004	30.2	-77.3	303.9	6.211	-14.617
7	-.041	-.004	40.5	-67.2	302.1	7.879	-12.076
8	-.052	-.003	50.7	-56.9	300.2	9.285	-9.874
9	-.063	-.002	60.6	-46.5	298.4	10.553	-8.021
10	-.075	0.000	70.4	-35.8	296.6	11.928	-6.296

EXCENTRICIDADES RESULTANTES CABEZA -.120762212839 .237308218235
EXCENTRICIDADES 1 ORDEN CABEZA -.195549561699 .23769386379

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-32.9	-153.6	314.8	-7.679	-33.556
1	-.001	-0.000	-22.5	-145.9	312.9	-5.353	-32.549
2	-.005	-.001	-11.9	-137.6	311.1	-2.790	-30.026
3	-.010	-.002	-1.3	-128.5	309.3	-.296	-26.933
4	-.018	-.003	9.3	-118.9	307.5	2.012	-23.693
5	-.027	-.003	19.9	-108.8	305.7	4.082	-20.532
6	-.038	-.004	30.3	-98.3	303.9	5.892	-17.621
7	-.050	-.004	40.7	-87.4	302.1	7.444	-15.135
8	-.063	-.003	50.9	-76.3	300.2	8.841	-13.141
9	-.076	-.002	60.9	-64.9	298.4	10.298	-11.379
10	-.091	-0.000	70.7	-53.3	296.6	11.945	-9.684

EXCENTRICIDADES RESULTANTES CABEZA -.179662884373 .238300429902
EXCENTRICIDADES 1 ORDEN CABEZA -.195549561699 .23769386379

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-33.1	-157.4	314.8	-8.557	-38.408
1	-.001	-0.000	-22.7	-149.8	312.9	-5.786	-36.027
2	-.005	-.001	-12.1	-141.4	311.1	-2.996	-32.903
3	-.012	-.002	-1.5	-132.3	309.3	-.346	-29.497
4	-.020	-.003	9.2	-122.5	307.5	2.099	-26.021
5	-.030	-.004	19.8	-112.2	305.7	4.308	-22.628
6	-.042	-.004	30.3	-101.5	303.9	6.275	-19.454
7	-.055	-.004	40.6	-90.3	302.1	8.031	-16.627
8	-.069	-.004	50.8	-78.9	300.2	9.637	-14.204
9	-.085	-.003	60.8	-67.1	298.4	11.136	-12.118
10	-.101	-.001	70.6	-55.2	296.6	12.693	-10.218

EXCENTRICIDADES RESULTANTES CABEZA -.185955503008 .237899512743
EXCENTRICIDADES 1 ORDEN CABEZA -.195549561699 .23769386379

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-33.1	-160.2	314.8	-9.009	-41.125
1	-.001	-0.000	-22.7	-152.6	312.9	-6.017	-38.134
2	-.006	-.001	-12.1	-144.1	311.1	-3.108	-34.747
3	-.012	-.002	-1.5	-134.9	309.3	-.366	-31.185
4	-.021	-.003	9.2	-125.0	307.5	2.164	-27.574
5	-.032	-.004	19.8	-114.5	305.7	4.457	-24.030
6	-.044	-.004	30.3	-103.6	303.9	6.501	-20.673
7	-.058	-.004	40.6	-92.2	302.1	8.314	-17.626
8	-.073	-.004	50.8	-80.5	300.2	9.936	-14.975
9	-.090	-.003	60.8	-68.5	298.4	11.430	-12.714
10	-.107	-.001	70.5	-56.2	296.6	12.976	-10.660

EXCENTRICIDADES RESULTANTES CABEZA -.189504606672 .237806024752
EXCENTRICIDADES 1 ORDEN CABEZA -.195549561699 .23769386379

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-33.2	-162.0	314.8	-9.255	-42.645
1	-.002	-0.000	-22.7	-154.3	312.9	-6.153	-39.402
2	-.006	-.001	-12.2	-145.8	311.1	-3.176	-35.901
3	-.013	-.002	-1.5	-136.5	309.3	-.378	-32.261
4	-.022	-.003	9.2	-126.6	307.5	2.206	-28.575
5	-.033	-.004	19.8	-116.0	305.7	4.551	-24.938
6	-.046	-.004	30.3	-104.9	303.9	6.643	-21.461
7	-.060	-.005	40.6	-93.4	302.1	8.490	-18.264
8	-.076	-.004	50.8	-81.5	300.2	10.128	-15.450
9	-.093	-.003	60.8	-69.3	298.4	11.621	-13.051
10	-.110	-.001	70.5	-56.9	296.6	13.141	-10.900

EXCENTRICIDADES RESULTANTES CABEZA -.191824776588 .237743320094
EXCENTRICIDADES 1 ORDEN CABEZA -.195549561699 .23769386379

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-33.2	-163.0	314.8	-9.390	-43.506
1	-.002	-0.000	-22.7	-155.4	312.9	-6.232	-40.162
2	-.006	-.001	-12.2	-146.9	311.1	-3.217	-36.610
3	-.013	-.002	-1.5	-137.6	309.3	-.384	-32.932
4	-.022	-.003	9.2	-127.5	307.5	2.234	-29.202
5	-.034	-.004	19.8	-116.9	305.7	4.610	-25.509
6	-.047	-.005	30.3	-105.7	303.9	6.731	-21.958
7	-.061	-.005	40.6	-94.1	302.1	8.599	-18.666
8	-.077	-.004	50.8	-82.1	300.2	10.243	-15.746
9	-.095	-.003	60.8	-69.9	298.4	11.729	-13.258
10	-.113	-.001	70.5	-57.3	296.6	13.232	-11.045

EXCENTRICIDADES RESULTANTES CABEZA -.193277510992 .237713225159
EXCENTRICIDADES 1 ORDEN CABEZA -.195549561699 .23769386379

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-33.2	-163.7	314.8	-9.465	-44.002
1	-.002	-0.000	-22.8	-156.1	312.9	-6.279	-40.617
2	-.006	-.001	-12.2	-147.5	311.1	-3.241	-37.042
3	-.013	-.002	-1.5	-138.2	309.3	-.387	-33.343
4	-.022	-.003	9.2	-128.1	307.5	2.251	-29.589
5	-.034	-.004	19.8	-117.5	305.7	4.648	-25.863
6	-.047	-.005	30.3	-106.2	303.9	6.787	-22.266
7	-.062	-.005	40.6	-94.6	302.1	8.666	-18.916
8	-.078	-.004	50.8	-82.5	300.2	10.314	-15.930
9	-.096	-.003	60.8	-70.2	298.4	11.795	-13.384
10	-.114	-.001	70.5	-57.6	296.6	13.285	-11.131

EXCENTRICIDADES RESULTANTES CABEZA -.194171891589 .237699811694
EXCENTRICIDADES 1 ORDEN CABEZA -.195549561699 .23769386379

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-33.2	-164.1	314.8	-9.508	-44.292
1	-.002	-0.000	-22.8	-156.5	312.9	-6.306	-40.889
2	-.006	-.001	-12.2	-147.9	311.1	-3.255	-37.303
3	-.013	-.002	-1.5	-138.6	309.3	-.389	-33.593
4	-.023	-.003	9.2	-128.5	307.5	2.262	-29.825
5	-.034	-.004	19.8	-117.8	305.7	4.671	-26.080
6	-.048	-.005	30.3	-106.6	303.9	6.821	-22.456
7	-.063	-.005	40.6	-94.9	302.1	8.708	-19.070
8	-.079	-.004	50.8	-82.8	300.2	10.358	-16.043
9	-.096	-.003	60.8	-70.4	298.4	11.835	-13.461
10	-.115	-.001	70.5	-57.8	296.6	13.316	-11.183

EXCENTRICIDADES RESULTANTES CABEZA -.194716939232 .237694663845
EXCENTRICIDADES 1 ORDEN CABEZA -.195549561699 .23769386379

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-33.2	-164.4	314.8	-9.533	-44.464
1	-.002	-0.000	-22.8	-156.7	312.9	-6.322	-41.053
2	-.006	-.001	-12.2	-148.2	311.1	-3.263	-37.461
3	-.013	-.002	-1.5	-138.8	309.3	-.389	-33.745
4	-.023	-.003	9.2	-128.7	307.5	2.269	-29.969
5	-.034	-.004	19.8	-118.0	305.7	4.686	-26.212
6	-.048	-.005	30.3	-106.7	303.9	6.842	-22.572
7	-.063	-.005	40.7	-95.0	302.1	8.734	-19.164
8	-.079	-.004	50.8	-82.9	300.2	10.384	-16.112
9	-.097	-.003	60.8	-70.5	298.4	11.860	-13.508
10	-.115	-.001	70.5	-57.9	296.6	13.335	-11.215

EXCENTRICIDADES RESULTANTES CABEZA -.195047308233 .23769307134
EXCENTRICIDADES 1 ORDEN CABEZA -.195549561699 .23769386379

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-33.2	-164.5	314.8	-9.548	-44.566

1	-.002	-0.000	-22.8	-156.9	312.9	-6.332	-41.151
2	-.006	-.001	-12.2	-148.3	311.1	-3.268	-37.556
3	-.013	-.002	-1.5	-138.9	309.3	-.390	-33.836
4	-.023	-.003	9.2	-128.9	307.5	2.273	-30.055
5	-.034	-.004	19.8	-118.1	305.7	4.694	-26.292
6	-.048	-.005	30.3	-106.9	303.9	6.855	-22.642
7	-.063	-.005	40.7	-95.1	302.1	8.749	-19.221
8	-.080	-.004	50.8	-83.0	300.2	10.401	-16.155
9	-.097	-.003	60.8	-70.6	298.4	11.874	-13.536
10	-.116	-.001	70.5	-57.9	296.6	13.343	-11.231

EXCENTRICIDADES RESULTANTES CABEZA -.195246927522 .23769282664
EXCENTRICIDADES 1 ORDEN CABEZA -.195549561699 .23769386379

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-33.2	-164.6	314.8	-9.556	-44.627
1	-.002	-0.000	-22.8	-156.9	312.9	-6.337	-41.210
2	-.006	-.001	-12.2	-148.4	311.1	-3.271	-37.613
3	-.013	-.002	-1.5	-139.0	309.3	-.390	-33.891
4	-.023	-.003	9.2	-128.9	307.5	2.276	-30.108
5	-.034	-.004	19.8	-118.2	305.7	4.700	-26.340
6	-.048	-.005	30.3	-106.9	303.9	6.862	-22.684
7	-.063	-.005	40.7	-95.2	302.1	8.759	-19.256
8	-.080	-.004	50.8	-83.1	300.2	10.411	-16.180
9	-.097	-.003	60.8	-70.6	298.4	11.881	-13.550
10	-.116	-.001	70.5	-57.9	296.6	13.352	-11.244

EXCENTRICIDADES RESULTANTES CABEZA -.195367546152 .237693183526
EXCENTRICIDADES 1 ORDEN CABEZA -.195549561699 .23769386379
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 5 TANTEO 0

Fpx= -3.6 t Fpy= -8.8 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-14.4	-37.0	182.9	-2.223	-5.301
1	-0.000	-0.000	-9.2	-33.9	181.0	-1.412	-4.862
2	-.001	-0.000	-3.7	-30.8	179.2	-.553	-4.238
3	-.002	-0.000	2.0	-27.7	177.4	.281	-3.622
4	-.003	-.001	7.9	-24.4	175.6	1.053	-3.097
5	-.004	-.001	14.0	-21.2	173.8	1.807	-2.679
6	-.005	-.001	20.4	-17.9	172.0	2.625	-2.287
7	-.007	-.001	26.9	-14.6	170.2	3.501	-1.909
8	-.009	-0.000	33.7	-11.3	168.3	4.459	-1.545
9	-.011	.001	40.6	-8.0	166.5	5.577	-1.181
10	-.013	.002	47.7	-4.6	164.7	7.010	-.747

EXCENTRICIDADES RESULTANTES CABEZA -.0281054085082 .289622912688
EXCENTRICIDADES 1 ORDEN CABEZA -.0406800242866 .291438979964

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-14.0	-39.4	182.9	-2.157	-5.625
1	-0.000	-0.000	-8.8	-36.3	181.0	-1.313	-4.977
2	-.001	-0.000	-3.4	-33.1	179.2	-.478	-4.332
3	-.002	-0.000	2.3	-29.9	177.4	.305	-3.791
4	-.003	-.001	8.2	-26.7	175.6	1.055	-3.373
5	-.004	-.001	14.3	-23.4	173.8	1.844	-2.985
6	-.006	-.001	20.7	-20.1	172.0	2.684	-2.618
7	-.007	-0.000	27.2	-16.7	170.2	3.598	-2.282
8	-.009	-0.000	34.0	-13.4	168.3	4.652	-1.972
9	-.011	.001	40.9	-10.0	166.5	5.986	-1.602
10	-.014	.002	48.0	-6.6	164.7	7.675	-1.148

EXCENTRICIDADES RESULTANTES CABEZA -.0398671540089 .291190140057
EXCENTRICIDADES 1 ORDEN CABEZA -.0406800242866 .291438979964

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-14.0	-39.3	182.9	-2.202	-5.702

1	-0.000	-0.000	-8.8	-36.3	181.0	-1.321	-4.994
2	-.001	-0.000	-3.4	-33.1	179.2	-.479	-4.350
3	-.002	-0.000	2.3	-29.9	177.4	.314	-3.819
4	-.003	-.001	8.2	-26.7	175.6	1.080	-3.403
5	-.004	-.001	14.4	-23.4	173.8	1.880	-3.022
6	-.006	-.001	20.7	-20.1	172.0	2.736	-2.663
7	-.007	-0.000	27.3	-16.8	170.2	3.674	-2.331
8	-.009	-0.000	34.0	-13.5	168.3	4.768	-2.023
9	-.012	.001	40.9	-10.1	166.5	6.182	-1.664
10	-.014	.002	48.0	-6.7	164.7	7.988	-1.206

EXCENTRICIDADES RESULTANTES CABEZA -.0405578316776 .291371887953
EXCENTRICIDADES 1 ORDEN CABEZA -.0406800242866 .291438979964

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-14.0	-39.3	182.9	-2.212	-5.732
1	-0.000	-0.000	-8.8	-36.3	181.0	-1.322	-5.000
2	-.001	-0.000	-3.4	-33.1	179.2	-.478	-4.355
3	-.002	-0.000	2.3	-30.0	177.4	.316	-3.826
4	-.003	-.001	8.2	-26.7	175.6	1.084	-3.410
5	-.004	-.001	14.4	-23.5	173.8	1.888	-3.032
6	-.006	-.001	20.7	-20.2	172.0	2.748	-2.675
7	-.008	-0.000	27.3	-16.8	170.2	3.695	-2.348
8	-.009	-0.000	34.0	-13.5	168.3	4.807	-2.044
9	-.012	.001	40.9	-10.1	166.5	6.264	-1.687
10	-.014	.002	48.0	-6.7	164.7	8.125	-1.225

EXCENTRICIDADES RESULTANTES CABEZA -.0406405509732 .291417860777
EXCENTRICIDADES 1 ORDEN CABEZA -.0406800242866 .291438979964

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-14.0	-39.3	182.9	-2.216	-5.744
1	-0.000	-0.000	-8.8	-36.3	181.0	-1.322	-5.003
2	-.001	-0.000	-3.4	-33.1	179.2	-.478	-4.357
3	-.002	-0.000	2.3	-30.0	177.4	.317	-3.828
4	-.003	-.001	8.3	-26.7	175.6	1.086	-3.412
5	-.004	-.001	14.4	-23.5	173.8	1.890	-3.034
6	-.006	-.001	20.7	-20.2	172.0	2.751	-2.679
7	-.008	-0.000	27.3	-16.8	170.2	3.701	-2.353
8	-.009	-0.000	34.0	-13.5	168.3	4.820	-2.052
9	-.012	.001	40.9	-10.1	166.5	6.296	-1.695
10	-.014	.002	48.0	-6.7	164.7	8.183	-1.233

EXCENTRICIDADES RESULTANTES CABEZA -.0406670519696 .2914323884 -
EXCENTRICIDADES 1 ORDEN CABEZA -.0406800242866 .291438979964

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-14.0	-39.3	182.9	-2.217	-5.747
1	-0.000	-0.000	-8.8	-36.3	181.0	-1.322	-5.003
2	-.001	-0.000	-3.4	-33.1	179.2	-.478	-4.358
3	-.002	-0.000	2.3	-30.0	177.4	.317	-3.829
4	-.003	-.001	8.3	-26.7	175.6	1.086	-3.412
5	-.004	-.001	14.4	-23.5	173.8	1.890	-3.035
6	-.006	-.001	20.7	-20.2	172.0	2.752	-2.680
7	-.008	-0.000	27.3	-16.8	170.2	3.703	-2.355
8	-.009	-0.000	34.0	-13.5	168.3	4.824	-2.054
9	-.012	.001	40.9	-10.1	166.5	6.310	-1.699
10	-.014	.002	48.0	-6.7	164.7	8.208	-1.236

EXCENTRICIDADES RESULTANTES CABEZA -.0406758926695 .291436726221
EXCENTRICIDADES 1 ORDEN CABEZA -.0406800242866 .291438979964

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-14.0	-39.3	182.9	-2.218	-5.748
1	-0.000	-0.000	-8.8	-36.3	181.0	-1.322	-5.004
2	-.001	-0.000	-3.4	-33.1	179.2	-.478	-4.358
3	-.002	-0.000	2.3	-30.0	177.4	.317	-3.829
4	-.003	-.001	8.3	-26.7	175.6	1.086	-3.412
5	-.004	-.001	14.4	-23.5	173.8	1.891	-3.035
6	-.006	-.001	20.7	-20.2	172.0	2.753	-2.680
7	-.008	-0.000	27.3	-16.8	170.2	3.704	-2.355
8	-.009	-0.000	34.0	-13.5	168.3	4.826	-2.055

9	-.012	.001	40.9	-10.1	166.5	6.313	-1.700
10	-.014	.002	48.0	-6.7	164.7	8.218	-1.238

EXCENTRICIDADES RESULTANTES CABEZA -.0406787803869 .291438344626
EXCENTRICIDADES 1 ORDEN CABEZA -.0406800242866 .291438979964
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 6 TANTEO 0

Fpx= -1.7 t Fpy= 9 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	53.1	-19.4	217.3	8.184	-3.262
1	-0.000	0.000	47.7	-18.0	215.4	7.553	-3.089
2	-0.000	.001	41.9	-16.5	213.6	6.464	-2.755
3	-.001	.002	35.8	-14.9	211.8	5.247	-2.361
4	-.002	.004	29.4	-13.3	210.0	4.064	-1.954
5	-.003	.006	22.7	-11.7	208.2	2.980	-1.583
6	-.003	.008	15.8	-10.1	206.4	2.001	-1.289
7	-.004	.010	8.6	-8.5	204.6	1.081	-1.070
8	-.006	.013	1.1	-6.8	202.7	.143	-.862
9	-.007	.015	-6.5	-5.2	200.9	-.822	-.653
10	-.008	.017	-14.4	-3.5	199.1	-1.815	-.443

EXCENTRICIDADES RESULTANTES CABEZA -.0177081958359 -.0724988329165
EXCENTRICIDADES 1 ORDEN CABEZA -.0256152687092 -.0552486187845

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	56.9	-21.2	217.3	8.997	-3.633
1	-0.000	0.000	51.5	-19.7	215.4	7.920	-3.290
2	-0.000	.001	45.7	-18.2	213.6	6.675	-2.869
3	-.001	.003	39.5	-16.6	211.8	5.452	-2.427
4	-.002	.004	33.1	-15.0	210.0	4.332	-2.021
5	-.003	.006	26.3	-13.4	208.2	3.339	-1.705
6	-.004	.009	19.3	-11.7	206.4	2.435	-1.481
7	-.005	.011	12.0	-10.1	204.6	1.516	-1.269
8	-.006	.014	4.5	-8.4	202.7	.566	-1.056
9	-.007	.016	-3.3	-6.7	200.9	-.412	-.842
10	-.009	.019	-11.3	-5.0	199.1	-1.416	-.627

EXCENTRICIDADES RESULTANTES CABEZA -.0250499981589 -.0565346256891
EXCENTRICIDADES 1 ORDEN CABEZA -.0256152687092 -.0552486187845

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	56.9	-21.2	217.3	9.347	-3.761
1	-0.000	0.000	51.5	-19.7	215.4	8.075	-3.350
2	-.001	.001	45.7	-18.2	213.6	6.760	-2.908
3	-.001	.003	39.6	-16.6	211.8	5.515	-2.466
4	-.002	.004	33.2	-15.1	210.0	4.388	-2.063
5	-.003	.006	26.4	-13.4	208.2	3.380	-1.735
6	-.004	.009	19.4	-11.8	206.4	2.452	-1.488
7	-.005	.011	12.2	-10.1	204.6	1.534	-1.277
8	-.006	.014	4.7	-8.5	202.7	.587	-1.065
9	-.007	.017	-3.1	-6.8	200.9	-.389	-.852
10	-.009	.019	-11.1	-5.1	199.1	-1.392	-.637

EXCENTRICIDADES RESULTANTES CABEZA -.0254562955073 -.0556013321726
EXCENTRICIDADES 1 ORDEN CABEZA -.0256152687092 -.0552486187845

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	57.0	-21.2	217.3	9.501	-3.819
1	-0.000	0.000	51.5	-19.7	215.4	8.145	-3.379
2	-.001	.001	45.8	-18.2	213.6	6.799	-2.926
3	-.001	.003	39.7	-16.7	211.8	5.543	-2.481
4	-.002	.004	33.2	-15.1	210.0	4.409	-2.075
5	-.003	.007	26.5	-13.5	208.2	3.392	-1.742
6	-.004	.009	19.5	-11.8	206.4	2.458	-1.491
7	-.005	.011	12.2	-10.2	204.6	1.540	-1.280
8	-.006	.014	4.7	-8.5	202.7	.592	-1.068

9	-.007	.017	-3.1	-6.8	200.9	-.384	-.854
10	-.009	.019	-11.0	-5.1	199.1	-1.387	-.640

EXCENTRICIDADES RESULTANTES CABEZA -.0255488448309 -.0554004528272
EXCENTRICIDADES 1 ORDEN CABEZA -.0256152687092 -.0552486187845

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	57.0	-21.2	217.3	9.568	-3.843
1	-0.000	0.000	51.6	-19.7	215.4	8.177	-3.392
2	-.001	.001	45.8	-18.2	213.6	6.817	-2.935
3	-.001	.003	39.7	-16.7	211.8	5.554	-2.487
4	-.002	.004	33.2	-15.1	210.0	4.417	-2.080
5	-.003	.007	26.5	-13.5	208.2	3.396	-1.744
6	-.004	.009	19.5	-11.8	206.4	2.461	-1.492
7	-.005	.011	12.2	-10.2	204.6	1.543	-1.281
8	-.006	.014	4.7	-8.5	202.7	.595	-1.069
9	-.007	.017	-3.0	-6.8	200.9	-.382	-.855
10	-.009	.019	-11.0	-5.1	199.1	-1.385	-.641

EXCENTRICIDADES RESULTANTES CABEZA -.0255868705681 -.0553153593355
EXCENTRICIDADES 1 ORDEN CABEZA -.0256152687092 -.0552486187845

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	57.0	-21.2	217.3	9.598	-3.854
1	-0.000	0.000	51.6	-19.8	215.4	8.191	-3.398
2	-.001	.001	45.8	-18.2	213.6	6.824	-2.938
3	-.001	.003	39.7	-16.7	211.8	5.560	-2.490
4	-.002	.004	33.3	-15.1	210.0	4.420	-2.081
5	-.003	.007	26.5	-13.5	208.2	3.398	-1.745
6	-.004	.009	19.5	-11.8	206.4	2.463	-1.493
7	-.005	.011	12.3	-10.2	204.6	1.544	-1.281
8	-.006	.014	4.7	-8.5	202.7	.596	-1.069
9	-.007	.017	-3.0	-6.8	200.9	-.380	-.856
10	-.009	.019	-11.0	-5.1	199.1	-1.384	-.641

EXCENTRICIDADES RESULTANTES CABEZA -.0256027730734 -.055278051613
EXCENTRICIDADES 1 ORDEN CABEZA -.0256152687092 -.0552486187845

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	57.0	-21.2	217.3	9.611	-3.859
1	-0.000	0.000	51.6	-19.8	215.4	8.196	-3.400
2	-.001	.001	45.8	-18.2	213.6	6.827	-2.939
3	-.001	.003	39.7	-16.7	211.8	5.562	-2.491
4	-.002	.004	33.3	-15.1	210.0	4.421	-2.082
5	-.003	.007	26.5	-13.5	208.2	3.399	-1.746
6	-.004	.009	19.5	-11.8	206.4	2.463	-1.493
7	-.005	.011	12.3	-10.2	204.6	1.544	-1.282
8	-.006	.014	4.7	-8.5	202.7	.596	-1.069
9	-.007	.017	-3.0	-6.8	200.9	-.380	-.856
10	-.009	.019	-11.0	-5.1	199.1	-1.384	-.641

EXCENTRICIDADES RESULTANTES CABEZA -.0256103517413 -.0552602245855
EXCENTRICIDADES 1 ORDEN CABEZA -.0256152687092 -.0552486187845
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 7 TANTEO 0

Fpx= -8.5 t Fpy= -13 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-46.5	-97.6	225.2	-9.660	-19.325
1	-.001	-0.000	-36.2	-90.3	223.3	-8.340	-20.278
2	-.003	-.001	-25.7	-82.7	221.5	-5.991	-18.747
3	-.006	-.003	-15.1	-74.8	219.7	-3.416	-16.338
4	-.011	-.004	-4.3	-66.6	217.9	-.935	-13.716
5	-.016	-.006	6.5	-58.3	216.1	1.333	-11.144
6	-.023	-.007	17.4	-49.8	214.3	3.329	-8.775
7	-.030	-.009	28.4	-41.2	212.5	5.023	-6.738
8	-.037	-.010	39.3	-32.6	210.6	6.444	-5.160

9	-.045	-.010	50.2	-23.9	208.8	7.945	-3.881
10	-.053	-.010	61.1	-15.1	207.0	9.826	-2.608

EXCENTRICIDADES RESULTANTES CABEZA -.0729206683643 .295068362001
EXCENTRICIDADES 1 ORDEN CABEZA -.125603864734 .285024154589

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-48.8	-109.7	225.2	-11.229	-24.590
1	-.001	-0.000	-38.5	-102.3	223.3	-8.957	-23.145
2	-.003	-.001	-28.0	-94.5	221.5	-6.331	-20.597
3	-.007	-.003	-17.3	-86.4	219.7	-3.739	-17.734
4	-.013	-.005	-6.5	-78.0	217.9	-1.324	-14.867
5	-.019	-.006	4.4	-69.4	216.1	.843	-12.186
6	-.026	-.008	15.4	-60.6	214.3	2.721	-9.876
7	-.034	-.010	26.4	-51.7	212.5	4.321	-8.170
8	-.042	-.011	37.4	-42.7	210.6	5.910	-6.924
9	-.051	-.012	48.5	-33.6	208.8	7.773	-5.794
10	-.060	-.012	59.4	-24.5	207.0	10.142	-4.531

EXCENTRICIDADES RESULTANTES CABEZA -.118321780337 .287070709472
EXCENTRICIDADES 1 ORDEN CABEZA -.125603864734 .285024154589

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-49.1	-110.5	225.2	-12.149	-26.930
1	-.001	-0.000	-38.8	-103.1	223.3	-9.394	-24.446
2	-.004	-.002	-28.3	-95.4	221.5	-6.588	-21.529
3	-.008	-.003	-17.6	-87.3	219.7	-3.904	-18.514
4	-.013	-.005	-6.8	-78.9	217.9	-1.422	-15.555
5	-.020	-.007	4.1	-70.3	216.1	.812	-12.799
6	-.027	-.009	15.1	-61.6	214.3	2.778	-10.409
7	-.036	-.010	26.1	-52.6	212.5	4.539	-8.544
8	-.045	-.012	37.2	-43.6	210.6	6.222	-7.154
9	-.054	-.013	48.2	-34.5	208.8	8.065	-5.989
10	-.064	-.013	59.2	-25.3	207.0	10.440	-4.768

EXCENTRICIDADES RESULTANTES CABEZA -.122249066309 .285780911125
EXCENTRICIDADES 1 ORDEN CABEZA -.125603864734 .285024154589

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-49.3	-111.2	225.2	-12.526	-27.951
1	-.001	-0.000	-39.0	-103.8	223.3	-9.586	-25.082
2	-.004	-.002	-28.5	-96.0	221.5	-6.711	-22.036
3	-.008	-.003	-17.8	-87.9	219.7	-3.987	-18.963
4	-.014	-.005	-6.9	-79.5	217.9	-1.469	-15.966
5	-.021	-.007	4.0	-70.9	216.1	.802	-13.167
6	-.028	-.009	15.0	-62.1	214.3	2.809	-10.722
7	-.037	-.011	26.0	-53.1	212.5	4.598	-8.780
8	-.046	-.012	37.1	-44.0	210.6	6.293	-7.342
9	-.055	-.013	48.1	-34.9	208.8	8.158	-6.139
10	-.066	-.013	59.1	-25.6	207.0	10.566	-4.882

EXCENTRICIDADES RESULTANTES CABEZA -.123847886886 .285375831708
EXCENTRICIDADES 1 ORDEN CABEZA -.125603864734 .285024154589

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-49.3	-111.5	225.2	-12.687	-28.397
1	-.001	-0.000	-39.1	-104.1	223.3	-9.678	-25.394
2	-.004	-.002	-28.5	-96.4	221.5	-6.775	-22.305
3	-.008	-.003	-17.8	-88.3	219.7	-4.031	-19.212
4	-.014	-.005	-7.0	-79.8	217.9	-1.494	-16.200
5	-.021	-.007	4.0	-71.2	216.1	.798	-13.379
6	-.029	-.009	15.0	-62.4	214.3	2.828	-10.899
7	-.037	-.011	26.0	-53.4	212.5	4.634	-8.907
8	-.046	-.012	37.0	-44.3	210.6	6.339	-7.430
9	-.056	-.013	48.1	-35.1	208.8	8.206	-6.208
10	-.066	-.014	59.0	-25.8	207.0	10.619	-4.938

EXCENTRICIDADES RESULTANTES CABEZA -.124703527636 .285186424777
EXCENTRICIDADES 1 ORDEN CABEZA -.125603864734 .285024154589

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-49.4	-111.7	225.2	-12.756	-28.594
1	-.001	-0.000	-39.1	-104.3	223.3	-9.722	-25.547
2	-.004	-.002	-28.6	-96.5	221.5	-6.807	-22.444
3	-.008	-.003	-17.9	-88.4	219.7	-4.054	-19.346
4	-.014	-.005	-7.0	-80.0	217.9	-1.507	-16.328
5	-.021	-.007	3.9	-71.4	216.1	.797	-13.498
6	-.029	-.009	14.9	-62.5	214.3	2.839	-10.998
7	-.037	-.011	26.0	-53.5	212.5	4.654	-8.975
8	-.047	-.012	37.0	-44.4	210.6	6.362	-7.476
9	-.057	-.013	48.0	-35.2	208.8	8.229	-6.242
10	-.067	-.014	59.0	-25.9	207.0	10.642	-4.965

EXCENTRICIDADES RESULTANTES CABEZA -.125144223469 .285099864618
EXCENTRICIDADES 1 ORDEN CABEZA -.125603864734 .285024154589

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-49.4	-111.8	225.2	-12.787	-28.683
1	-.001	-0.000	-39.1	-104.4	223.3	-9.743	-25.622
2	-.004	-.002	-28.6	-96.6	221.5	-6.823	-22.516
3	-.008	-.003	-17.9	-88.5	219.7	-4.066	-19.417
4	-.014	-.005	-7.0	-80.1	217.9	-1.513	-16.398
5	-.021	-.007	3.9	-71.4	216.1	.797	-13.562
6	-.029	-.009	14.9	-62.6	214.3	2.846	-11.051
7	-.038	-.011	26.0	-53.6	212.5	4.665	-9.012
8	-.047	-.012	37.0	-44.5	210.6	6.374	-7.499
9	-.057	-.013	48.0	-35.2	208.8	8.240	-6.259
10	-.067	-.014	59.0	-26.0	207.0	10.653	-4.978

EXCENTRICIDADES RESULTANTES CABEZA -.125369639672 .285059689161
EXCENTRICIDADES 1 ORDEN CABEZA -.125603864734 .285024154589

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-49.4	-111.8	225.2	-12.801	-28.724
1	-.001	-0.000	-39.1	-104.5	223.3	-9.754	-25.659
2	-.004	-.002	-28.6	-96.7	221.5	-6.831	-22.552
3	-.008	-.003	-17.9	-88.6	219.7	-4.072	-19.454
4	-.014	-.005	-7.0	-80.1	217.9	-1.517	-16.434
5	-.021	-.007	3.9	-71.5	216.1	.797	-13.596
6	-.029	-.009	14.9	-62.6	214.3	2.850	-11.079
7	-.038	-.011	26.0	-53.6	212.5	4.671	-9.031
8	-.047	-.012	37.0	-44.5	210.6	6.380	-7.512
9	-.057	-.013	48.0	-35.3	208.8	8.244	-6.267
10	-.067	-.014	59.0	-26.0	207.0	10.655	-4.984

EXCENTRICIDADES RESULTANTES CABEZA -.12548457156 .285041178114
EXCENTRICIDADES 1 ORDEN CABEZA -.125603864734 .285024154589

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-49.4	-111.9	225.2	-12.807	-28.744
1	-.001	-0.000	-39.1	-104.5	223.3	-9.759	-25.678
2	-.004	-.002	-28.6	-96.7	221.5	-6.836	-22.571
3	-.008	-.003	-17.9	-88.6	219.7	-4.075	-19.473
4	-.014	-.005	-7.0	-80.2	217.9	-1.518	-16.453
5	-.021	-.007	3.9	-71.5	216.1	.798	-13.615
6	-.029	-.009	14.9	-62.6	214.3	2.852	-11.094
7	-.038	-.011	26.0	-53.6	212.5	4.673	-9.038
8	-.047	-.012	37.0	-44.5	210.6	6.382	-7.517
9	-.057	-.013	48.0	-35.3	208.8	8.248	-6.272
10	-.067	-.014	59.0	-26.0	207.0	10.656	-4.986

EXCENTRICIDADES RESULTANTES CABEZA -.125543628718 .285032593741
EXCENTRICIDADES 1 ORDEN CABEZA -.125603864734 .285024154589
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 8 TANTEO 0

Fpx= -9 t Fpy= -7.6 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-22.5	-106.2	235.5	-4.715	-20.856
1	-.001	-0.000	-16.1	-97.7	233.6	-3.714	-21.656
2	-.003	-.001	-9.6	-88.9	231.8	-2.243	-19.986

3	-.007	-.001	-3.1	-80.0	230.0	-.703	-17.419
4	-.012	-.002	3.4	-70.8	228.2	.751	-14.623
5	-.018	-.002	10.0	-61.5	226.4	2.055	-11.860
6	-.024	-.003	16.4	-52.1	224.6	3.173	-9.272
7	-.032	-.003	22.9	-42.6	222.8	4.072	-6.969
8	-.040	-.003	29.3	-33.2	220.9	4.732	-5.061
9	-.048	-.003	35.6	-23.7	219.1	5.302	-3.516
10	-.057	-.002	41.8	-14.3	217.3	5.957	-2.113

EXCENTRICIDADES RESULTANTES CABEZA -.0658419422604 .192221484892
EXCENTRICIDADES 1 ORDEN CABEZA -.121951219512 .190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-23.0	-119.7	235.5	-5.288	-26.473
1	-.001	-0.000	-16.5	-111.1	233.6	-3.851	-24.902
2	-.004	-.001	-10.0	-102.1	231.8	-2.278	-22.194
3	-.008	-.001	-3.5	-92.9	230.0	-.760	-19.142
4	-.014	-.002	3.1	-83.4	228.2	.630	-16.055
5	-.020	-.003	9.6	-73.8	226.4	1.847	-13.108
6	-.028	-.003	16.1	-64.1	224.6	2.859	-10.449
7	-.036	-.003	22.6	-54.2	222.8	3.640	-8.261
8	-.045	-.003	29.0	-44.4	220.9	4.310	-6.562
9	-.055	-.003	35.3	-34.5	219.1	5.024	-5.087
10	-.065	-.003	41.6	-24.7	217.3	5.831	-3.750

EXCENTRICIDADES RESULTANTES CABEZA -.113816501 .191243230746
EXCENTRICIDADES 1 ORDEN CABEZA -.121951219512 .190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-23.1	-120.7	235.5	-5.730	-29.125
1	-.001	-0.000	-16.7	-112.2	233.6	-4.055	-26.462
2	-.004	-.001	-10.2	-103.2	231.8	-2.386	-23.343
3	-.008	-.001	-3.6	-94.0	230.0	-.812	-20.107
4	-.014	-.002	2.9	-84.6	228.2	.623	-16.903
5	-.022	-.003	9.5	-74.9	226.4	1.887	-13.851
6	-.030	-.003	16.0	-65.2	224.6	2.958	-11.085
7	-.039	-.004	22.5	-55.3	222.8	3.843	-8.750
8	-.048	-.004	28.9	-45.4	220.9	4.585	-6.892
9	-.058	-.003	35.2	-35.5	219.1	5.290	-5.330
10	-.069	-.003	41.5	-25.6	217.3	6.062	-3.910

EXCENTRICIDADES RESULTANTES CABEZA -.117922271299 .190752711398
EXCENTRICIDADES 1 ORDEN CABEZA -.121951219512 .190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-23.2	-121.6	235.5	-5.913	-30.322
1	-.001	-0.000	-16.7	-113.0	233.6	-4.143	-27.246
2	-.004	-.001	-10.2	-104.1	231.8	-2.434	-23.979
3	-.009	-.001	-3.7	-94.8	230.0	-.834	-20.671
4	-.015	-.002	2.9	-85.3	228.2	.626	-17.413
5	-.022	-.003	9.4	-75.6	226.4	1.916	-14.305
6	-.031	-.003	16.0	-65.8	224.6	3.015	-11.470
7	-.040	-.004	22.4	-55.9	222.8	3.922	-9.046
8	-.050	-.004	28.8	-46.0	220.9	4.670	-7.106
9	-.060	-.004	35.2	-36.0	219.1	5.373	-5.493
10	-.071	-.003	41.4	-26.0	217.3	6.136	-4.031

EXCENTRICIDADES RESULTANTES CABEZA -.119799363666 .190616443711
EXCENTRICIDADES 1 ORDEN CABEZA -.121951219512 .190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-23.2	-122.0	235.5	-5.992	-30.862
1	-.001	-0.000	-16.7	-113.4	233.6	-4.185	-27.640
2	-.004	-.001	-10.2	-104.5	231.8	-2.459	-24.321
3	-.009	-.001	-3.7	-95.2	230.0	-.845	-20.987
4	-.015	-.002	2.9	-85.7	228.2	.628	-17.707
5	-.023	-.003	9.4	-76.0	226.4	1.934	-14.571
6	-.031	-.003	16.0	-66.2	224.6	3.048	-11.695
7	-.041	-.004	22.4	-56.2	222.8	3.968	-9.213
8	-.051	-.004	28.8	-46.2	220.9	4.720	-7.217
9	-.061	-.004	35.2	-36.2	219.1	5.419	-5.573
10	-.072	-.003	41.4	-26.3	217.3	6.173	-4.087

EXCENTRICIDADES RESULTANTES CABEZA -.120820148269 .190557494864
EXCENTRICIDADES 1 ORDEN CABEZA -.121951219512 .190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-23.2	-122.2	235.5	-6.027	-31.108
1	-.001	-0.000	-16.7	-113.7	233.6	-4.205	-27.838
2	-.004	-.001	-10.2	-104.7	231.8	-2.471	-24.503
3	-.009	-.001	-3.7	-95.5	230.0	-.850	-21.160
4	-.015	-.002	2.9	-85.9	228.2	.631	-17.872
5	-.023	-.003	9.4	-76.2	226.4	1.945	-14.721
6	-.031	-.003	15.9	-66.4	224.6	3.068	-11.822
7	-.041	-.004	22.4	-56.4	222.8	3.993	-9.306
8	-.051	-.004	28.8	-46.4	220.9	4.747	-7.277
9	-.062	-.004	35.2	-36.4	219.1	5.442	-5.614
10	-.073	-.003	41.4	-26.4	217.3	6.192	-4.117

EXCENTRICIDADES RESULTANTES CABEZA -.121360506787 .190533945863
EXCENTRICIDADES 1 ORDEN CABEZA -.121951219512 .190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-23.2	-122.4	235.5	-6.043	-31.223
1	-.001	-0.000	-16.7	-113.8	233.6	-4.215	-27.937
2	-.004	-.001	-10.2	-104.8	231.8	-2.478	-24.598
3	-.009	-.001	-3.7	-95.6	230.0	-.853	-21.252
4	-.015	-.002	2.9	-86.1	228.2	.632	-17.961
5	-.023	-.003	9.4	-76.3	226.4	1.951	-14.804
6	-.032	-.003	15.9	-66.5	224.6	3.079	-11.892
7	-.041	-.004	22.4	-56.5	222.8	4.008	-9.357
8	-.051	-.004	28.8	-46.5	220.9	4.761	-7.309
9	-.062	-.004	35.2	-36.5	219.1	5.454	-5.636
10	-.073	-.003	41.4	-26.4	217.3	6.201	-4.132

EXCENTRICIDADES RESULTANTES CABEZA -.121643428719 .190524804136
EXCENTRICIDADES 1 ORDEN CABEZA -.121951219512 .190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-23.2	-122.4	235.5	-6.050	-31.279
1	-.001	-0.000	-16.7	-113.9	233.6	-4.220	-27.988
2	-.004	-.001	-10.2	-104.9	231.8	-2.481	-24.647
3	-.009	-.001	-3.7	-95.6	230.0	-.854	-21.301
4	-.015	-.002	2.9	-86.1	228.2	.633	-18.009
5	-.023	-.003	9.4	-76.4	226.4	1.955	-14.849
6	-.032	-.003	15.9	-66.5	224.6	3.085	-11.930
7	-.041	-.004	22.4	-56.5	222.8	4.016	-9.385
8	-.051	-.004	28.8	-46.5	220.9	4.769	-7.326
9	-.062	-.004	35.2	-36.5	219.1	5.459	-5.646
10	-.073	-.003	41.4	-26.5	217.3	6.205	-4.139

EXCENTRICIDADES RESULTANTES CABEZA -.121790963805 .190521575823
EXCENTRICIDADES 1 ORDEN CABEZA -.121951219512 .190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-23.2	-122.5	235.5	-6.053	-31.306
1	-.001	-0.000	-16.7	-113.9	233.6	-4.223	-28.014
2	-.004	-.001	-10.2	-104.9	231.8	-2.482	-24.673
3	-.009	-.001	-3.7	-95.7	230.0	-.855	-21.327
4	-.015	-.002	2.9	-86.1	228.2	.634	-18.035
5	-.023	-.003	9.4	-76.4	226.4	1.956	-14.873
6	-.032	-.003	15.9	-66.5	224.6	3.089	-11.951
7	-.041	-.004	22.4	-56.6	222.8	4.020	-9.399
8	-.051	-.004	28.8	-46.6	220.9	4.772	-7.333
9	-.062	-.004	35.2	-36.5	219.1	5.463	-5.653
10	-.073	-.003	41.4	-26.5	217.3	6.207	-4.142

EXCENTRICIDADES RESULTANTES CABEZA -.12186780399 .190520471973
EXCENTRICIDADES 1 ORDEN CABEZA -.121951219512 .190520018408
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 9 TANTEO 0

Fpx= -8.5 t Fpy= -19 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-66.7	-117.9	326.6	-13.642	-22.639
1	-.001	-0.000	-50.5	-111.2	324.7	-11.500	-24.140
2	-.003	-.002	-34.1	-103.9	322.9	-7.894	-22.711
3	-.007	-.004	-17.6	-96.1	321.1	-3.948	-20.152
4	-.013	-.006	-.9	-87.7	319.3	-3.948	-17.287
5	-.020	-.008	15.8	-78.8	317.5	3.217	-14.630
6	-.028	-.010	32.5	-69.6	315.7	6.209	-12.057
7	-.036	-.012	49.0	-60.1	313.9	8.794	-10.000
8	-.046	-.013	65.3	-50.3	312.0	11.202	-8.480
9	-.055	-.014	81.4	-40.3	310.2	13.909	-7.147
10	-.066	-.013	97.1	-30.0	308.4	17.208	-5.714

EXCENTRICIDADES RESULTANTES CABEZA -.0971881062862 .314914529706
EXCENTRICIDADES 1 ORDEN CABEZA -.162775616083 .302204928664

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-70.9	-139.7	326.6	-16.129	-30.268
1	-.001	-.001	-54.7	-132.8	324.7	-12.651	-28.973
2	-.004	-.002	-38.3	-125.2	322.9	-8.598	-26.219
3	-.009	-.004	-21.6	-116.9	321.1	-4.628	-23.012
4	-.016	-.007	-4.8	-108.1	319.3	-.980	-20.014
5	-.024	-.009	12.0	-98.7	317.5	2.283	-17.056
6	-.033	-.011	28.7	-88.8	315.7	5.142	-14.760
7	-.043	-.013	45.3	-78.6	313.9	7.759	-13.238
8	-.054	-.015	61.7	-68.1	312.0	10.538	-12.065
9	-.067	-.015	77.9	-57.2	310.2	13.784	-10.886
10	-.079	-.015	93.8	-46.1	308.4	17.715	-9.435

EXCENTRICIDADES RESULTANTES CABEZA -.149362449978 .304245933358
EXCENTRICIDADES 1 ORDEN CABEZA -.162775616083 .302204928664

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-71.4	-143.0	326.6	-17.996	-34.476
1	-.001	-.001	-55.2	-136.2	324.7	-13.608	-31.816
2	-.005	-.002	-38.7	-128.6	322.9	-9.154	-28.500
3	-.010	-.004	-22.0	-120.2	321.1	-4.946	-25.021
4	-.017	-.007	-5.2	-111.2	319.3	-1.107	-21.739
5	-.026	-.010	11.7	-101.7	317.5	2.352	-18.657
6	-.036	-.012	28.4	-91.7	315.7	5.471	-16.132
7	-.048	-.014	45.1	-81.2	313.9	8.424	-14.216
8	-.060	-.016	61.5	-70.4	312.0	11.348	-12.737
9	-.073	-.017	77.7	-59.3	310.2	14.526	-11.454
10	-.087	-.016	93.6	-47.9	308.4	18.404	-10.005

EXCENTRICIDADES RESULTANTES CABEZA -.155163364455 .303575147519
EXCENTRICIDADES 1 ORDEN CABEZA -.162775616083 .302204928664

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-71.8	-145.3	326.6	-19.001	-36.830
1	-.001	-.001	-55.6	-138.5	324.7	-14.187	-33.548
2	-.005	-.002	-39.1	-130.8	322.9	-9.529	-29.973
3	-.011	-.005	-22.4	-122.3	321.1	-5.180	-26.358
4	-.018	-.007	-5.5	-113.2	319.3	-1.211	-22.917
5	-.028	-.010	11.4	-103.6	317.5	2.372	-19.730
6	-.038	-.013	28.2	-93.4	315.7	5.608	-17.038
7	-.050	-.015	44.9	-82.7	313.9	8.625	-14.924
8	-.063	-.017	61.4	-71.7	312.0	11.581	-13.313
9	-.077	-.018	77.6	-60.4	310.2	14.801	-11.906
10	-.092	-.017	93.5	-48.7	308.4	18.710	-10.336

EXCENTRICIDADES RESULTANTES CABEZA -.157944708778 .303160401241
EXCENTRICIDADES 1 ORDEN CABEZA -.162775616083 .302204928664

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-72.1	-146.8	326.6	-19.563	-38.153
1	-.001	-.001	-55.9	-139.9	324.7	-14.543	-34.601
2	-.005	-.002	-39.4	-132.2	322.9	-9.773	-30.909
3	-.011	-.005	-22.6	-123.7	321.1	-5.339	-27.226
4	-.019	-.008	-5.7	-114.5	319.3	-1.286	-23.698
5	-.029	-.010	11.2	-104.8	317.5	2.376	-20.433
6	-.040	-.013	28.0	-94.5	315.7	5.684	-17.622
7	-.052	-.016	44.7	-83.7	313.9	8.749	-15.362
8	-.065	-.017	61.2	-72.6	312.0	11.733	-13.631
9	-.080	-.018	77.5	-61.1	310.2	14.948	-12.151
10	-.095	-.018	93.4	-49.3	308.4	18.846	-10.526

EXCENTRICIDADES RESULTANTES CABEZA -.159778328991 .302797684991
EXCENTRICIDADES 1 ORDEN CABEZA -.162775616083 .302204928664

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-72.3	-147.7	326.6	-19.879	-38.907
1	-.001	-.001	-56.1	-140.9	324.7	-14.758	-35.239
2	-.005	-.002	-39.5	-133.1	322.9	-9.926	-31.495
3	-.011	-.005	-22.8	-124.6	321.1	-5.440	-27.776
4	-.019	-.008	-5.9	-115.3	319.3	-1.335	-24.199
5	-.029	-.011	11.0	-105.5	317.5	2.378	-20.883
6	-.040	-.013	27.9	-95.1	315.7	5.730	-17.991
7	-.053	-.016	44.6	-84.3	313.9	8.821	-15.635
8	-.067	-.018	61.1	-73.1	312.0	11.815	-13.827
9	-.081	-.018	77.4	-61.5	310.2	15.024	-12.297
10	-.097	-.018	93.3	-49.6	308.4	18.908	-10.635

EXCENTRICIDADES RESULTANTES CABEZA -.16092736307 .30256435622
EXCENTRICIDADES 1 ORDEN CABEZA -.162775616083 .302204928664

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-72.4	-148.3	326.6	-20.063	-39.347
1	-.001	-.001	-56.2	-141.4	324.7	-14.887	-35.625
2	-.005	-.002	-39.6	-133.7	322.9	-10.020	-31.857
3	-.011	-.005	-22.9	-125.1	321.1	-5.502	-28.120
4	-.020	-.008	-6.0	-115.8	319.3	-1.365	-24.516
5	-.030	-.011	11.0	-106.0	317.5	2.379	-21.166
6	-.041	-.014	27.8	-95.6	315.7	5.759	-18.222
7	-.054	-.016	44.5	-84.7	313.9	8.866	-15.805
8	-.067	-.018	61.1	-73.4	312.0	11.864	-13.944
9	-.082	-.019	77.3	-61.8	310.2	15.066	-12.382
10	-.098	-.018	93.3	-49.9	308.4	18.939	-10.698

EXCENTRICIDADES RESULTANTES CABEZA -.161640268584 .3024218488
EXCENTRICIDADES 1 ORDEN CABEZA -.162775616083 .302204928664

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-72.5	-148.6	326.6	-20.176	-39.614
1	-.001	-.001	-56.3	-141.8	324.7	-14.966	-35.860
2	-.005	-.002	-39.7	-134.0	322.9	-10.078	-32.079
3	-.012	-.005	-22.9	-125.4	321.1	-5.541	-28.332
4	-.020	-.008	-6.0	-116.2	319.3	-1.384	-24.713
5	-.030	-.011	10.9	-106.3	317.5	2.380	-21.342
6	-.041	-.014	27.8	-95.8	315.7	5.777	-18.366
7	-.054	-.016	44.5	-84.9	313.9	8.893	-15.910
8	-.068	-.018	61.0	-73.6	312.0	11.893	-14.016
9	-.083	-.019	77.3	-62.0	310.2	15.091	-12.434
10	-.098	-.019	93.2	-50.0	308.4	18.954	-10.735

EXCENTRICIDADES RESULTANTES CABEZA -.162078044038 .302337254815
EXCENTRICIDADES 1 ORDEN CABEZA -.162775616083 .302204928664

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-72.5	-148.8	326.6	-20.246	-39.778
1	-.001	-.001	-56.3	-142.0	324.7	-15.014	-36.003
2	-.005	-.002	-39.7	-134.2	322.9	-10.113	-32.216
3	-.012	-.005	-23.0	-125.6	321.1	-5.564	-28.463
4	-.020	-.008	-6.1	-116.3	319.3	-1.395	-24.834
5	-.030	-.011	10.9	-106.4	317.5	2.381	-21.451
6	-.041	-.014	27.7	-96.0	315.7	5.788	-18.455
7	-.054	-.016	44.5	-85.1	313.9	8.910	-15.975
8	-.068	-.018	61.0	-73.8	312.0	11.910	-14.060
9	-.083	-.019	77.3	-62.1	310.2	15.105	-12.465
10	-.099	-.019	93.2	-50.1	308.4	18.958	-10.755

EXCENTRICIDADES RESULTANTES CABEZA -.162346916423 .302286176585
EXCENTRICIDADES 1 ORDEN CABEZA -.162775616083 .302204928664

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y

0	0.000	0.000	-72.5	-149.0	326.6	-20.289	-39.881
1	-.001	-.001	-56.3	-142.1	324.7	-15.043	-36.091
2	-.005	-.003	-39.8	-134.3	322.9	-10.135	-32.299
3	-.012	-.005	-23.0	-125.8	321.1	-5.579	-28.543
4	-.020	-.008	-6.1	-116.5	319.3	-1.402	-24.909
5	-.030	-.011	10.9	-106.5	317.5	2.381	-21.518
6	-.041	-.014	27.7	-96.1	315.7	5.794	-18.510
7	-.054	-.016	44.5	-85.2	313.9	8.920	-16.015
8	-.068	-.018	61.0	-73.8	312.0	11.921	-14.087
9	-.083	-.019	77.3	-62.1	310.2	15.110	-12.481
10	-.099	-.019	93.2	-50.1	308.4	18.959	-10.767

EXCENTRICIDADES RESULTANTES CABEZA -.162512278517 .302255209952
EXCENTRICIDADES 1 ORDEN CABEZA -.162775616083 .302204928664

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-72.5	-149.0	326.6	-20.317	-39.944
1	-.001	-.001	-56.3	-142.2	324.7	-15.060	-36.144
2	-.005	-.003	-39.8	-134.4	322.9	-10.148	-32.351
3	-.012	-.005	-23.0	-125.8	321.1	-5.588	-28.592
4	-.020	-.008	-6.1	-116.5	319.3	-1.407	-24.956
5	-.030	-.011	10.8	-106.6	317.5	2.382	-21.559
6	-.042	-.014	27.7	-96.2	315.7	5.799	-18.544
7	-.054	-.016	44.5	-85.2	313.9	8.924	-16.035
8	-.068	-.018	61.0	-73.9	312.0	11.925	-14.101
9	-.083	-.019	77.3	-62.2	310.2	15.117	-12.494
10	-.099	-.019	93.2	-50.2	308.4	18.967	-10.777

EXCENTRICIDADES RESULTANTES CABEZA -.162615020568 .302236506936
EXCENTRICIDADES 1 ORDEN CABEZA -.162775616083 .302204928664

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-72.6	-149.1	326.6	-20.334	-39.984
1	-.001	-.001	-56.3	-142.2	324.7	-15.071	-36.177
2	-.005	-.003	-39.8	-134.5	322.9	-10.156	-32.382
3	-.012	-.005	-23.0	-125.9	321.1	-5.593	-28.622
4	-.020	-.008	-6.1	-116.6	319.3	-1.410	-24.984
5	-.030	-.011	10.8	-106.7	317.5	2.382	-21.584
6	-.042	-.014	27.7	-96.2	315.7	5.800	-18.559
7	-.054	-.016	44.5	-85.3	313.9	8.929	-16.053
8	-.069	-.018	61.0	-73.9	312.0	11.927	-14.108
9	-.084	-.019	77.3	-62.2	310.2	15.120	-12.501
10	-.099	-.019	93.2	-50.2	308.4	18.968	-10.782

EXCENTRICIDADES RESULTANTES CABEZA -.162677543108 .302224565044
EXCENTRICIDADES 1 ORDEN CABEZA -.162775616083 .302204928664
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 10 TANTEO 0

Fpx= -9 t Fpy= -13.2 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-35.5	-130.4	336.9	-7.407	-24.843
1	-.001	-0.000	-24.4	-121.8	335.0	-5.608	-26.043
2	-.004	-.001	-13.0	-112.7	333.2	-3.049	-24.433
3	-.008	-.002	-1.6	-103.1	331.4	-.376	-21.688
4	-.014	-.003	9.7	-93.0	329.6	2.129	-18.609
5	-.021	-.003	21.1	-82.7	327.8	4.363	-15.560
6	-.030	-.004	32.3	-72.1	326.0	6.284	-12.737
7	-.039	-.004	43.4	-61.3	324.2	7.885	-10.279
8	-.049	-.003	54.3	-50.4	322.3	9.233	-8.271
9	-.060	-.002	65.0	-39.4	320.5	10.617	-6.515
10	-.071	-0.000	75.5	-28.3	318.7	12.160	-4.828

EXCENTRICIDADES RESULTANTES CABEZA -.0887296976284 .236940755784
EXCENTRICIDADES 1 ORDEN CABEZA -.159083777848 .236899905868

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-35.6	-154.5	336.9	-8.190	-32.983
1	-.001	-0.000	-24.4	-145.7	335.0	-5.702	-31.541
2	-.005	-.001	-13.1	-136.2	333.2	-2.980	-28.614
3	-.010	-.002	-1.7	-126.1	331.4	-.364	-25.183
4	-.017	-.003	9.7	-115.5	329.6	2.013	-21.706
5	-.026	-.004	21.1	-104.6	327.8	4.097	-18.445
6	-.036	-.004	32.4	-93.2	326.0	5.869	-15.616
7	-.047	-.004	43.5	-81.7	324.2	7.379	-13.394
8	-.059	-.004	54.5	-69.9	322.3	8.876	-11.547
9	-.072	-.003	65.2	-57.9	320.5	10.485	-9.874
10	-.086	-.001	75.7	-45.9	318.7	12.356	-8.198

EXCENTRICIDADES RESULTANTES CABEZA -.144098908721 .237619266177
EXCENTRICIDADES 1 ORDEN CABEZA -.159083777848 .236899905868

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-35.8	-158.4	336.9	-9.144	-37.789
1	-.001	-0.000	-24.6	-149.7	335.0	-6.171	-34.932
2	-.005	-.001	-13.3	-140.1	333.2	-3.206	-31.384
3	-.011	-.002	-1.8	-129.9	331.4	-.426	-27.617
4	-.019	-.003	9.6	-119.2	329.6	2.097	-23.886
5	-.029	-.004	21.0	-108.0	327.8	4.335	-20.376
6	-.040	-.005	32.3	-96.4	326.0	6.301	-17.252
7	-.052	-.005	43.4	-84.6	324.2	8.062	-14.625
8	-.066	-.004	54.4	-72.5	322.3	9.669	-12.435
9	-.080	-.003	65.1	-60.2	320.5	11.269	-10.508
10	-.095	-.001	75.6	-47.8	318.7	13.024	-8.694

EXCENTRICIDADES RESULTANTES CABEZA -.149950198352 .237140002252
EXCENTRICIDADES 1 ORDEN CABEZA -.159083777848 .236899905868

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-35.9	-161.3	336.9	-9.649	-40.564
1	-.001	-0.000	-24.7	-152.5	335.0	-6.429	-37.062
2	-.005	-.001	-13.3	-142.9	333.2	-3.331	-33.219
3	-.012	-.002	-1.9	-132.6	331.4	-.451	-29.273
4	-.020	-.003	9.6	-121.7	329.6	2.165	-25.384
5	-.031	-.004	21.0	-110.3	327.8	4.494	-21.697
6	-.042	-.005	32.3	-98.5	326.0	6.540	-18.360
7	-.056	-.005	43.4	-86.4	324.2	8.344	-15.491
8	-.070	-.004	54.4	-74.1	322.3	9.964	-13.103
9	-.085	-.003	65.1	-61.5	320.5	11.555	-11.031
10	-.101	-.001	75.5	-48.8	318.7	13.302	-9.070

EXCENTRICIDADES RESULTANTES CABEZA -.1531567894 .237051099441
EXCENTRICIDADES 1 ORDEN CABEZA -.159083777848 .236899905868

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-36.0	-163.2	336.9	-9.934	-42.165
1	-.001	-0.000	-24.7	-154.4	335.0	-6.587	-38.385
2	-.006	-.001	-13.4	-144.7	333.2	-3.412	-34.406
3	-.012	-.002	-1.9	-134.3	331.4	-.468	-30.367
4	-.021	-.003	9.5	-123.4	329.6	2.209	-26.383
5	-.032	-.004	21.0	-111.9	327.8	4.595	-22.579
6	-.044	-.005	32.3	-99.9	326.0	6.690	-19.094
7	-.058	-.005	43.4	-87.6	324.2	8.525	-16.052
8	-.072	-.005	54.3	-75.1	322.3	10.159	-13.507
9	-.088	-.003	65.1	-62.4	320.5	11.734	-11.326
10	-.105	-.001	75.5	-49.5	318.7	13.453	-9.285

EXCENTRICIDADES RESULTANTES CABEZA -.155321576436 .236980042374
EXCENTRICIDADES 1 ORDEN CABEZA -.159083777848 .236899905868

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-36.0	-164.4	336.9	-10.095	-43.101
1	-.002	-0.000	-24.8	-155.5	335.0	-6.683	-39.203
2	-.006	-.001	-13.4	-145.9	333.2	-3.462	-35.161
3	-.013	-.002	-1.9	-135.5	331.4	-.478	-31.072
4	-.022	-.003	9.5	-124.4	329.6	2.238	-27.032
5	-.032	-.004	20.9	-112.8	327.8	4.661	-23.155
6	-.045	-.005	32.3	-100.8	326.0	6.787	-19.572
7	-.059	-.005	43.4	-88.4	324.2	8.639	-16.415

8	-.074	-.005	54.3	-75.8	322.3	10.275	-13.764
9	-.090	-.003	65.1	-62.9	320.5	11.838	-11.512
10	-.107	-.001	75.5	-49.9	318.7	13.537	-9.415

EXCENTRICIDADES RESULTANTES CABEZA -.156715268367 .236940645358
EXCENTRICIDADES 1 ORDEN CABEZA -.159083777848 .236899905868

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-36.0	-165.1	336.9	-10.189	-43.658
1	-.002	-0.000	-24.8	-156.3	335.0	-6.741	-39.708
2	-.006	-.001	-13.4	-146.6	333.2	-3.493	-35.636
3	-.013	-.002	-1.9	-136.2	331.4	-.483	-31.520
4	-.022	-.003	9.5	-125.1	329.6	2.257	-27.446
5	-.033	-.004	20.9	-113.4	327.8	4.704	-23.523
6	-.046	-.005	32.3	-101.4	326.0	6.849	-19.879
7	-.060	-.005	43.4	-88.9	324.2	8.711	-16.648
8	-.075	-.005	54.3	-76.2	322.3	10.348	-13.927
9	-.091	-.003	65.1	-63.3	320.5	11.901	-11.627
10	-.108	-.001	75.5	-50.2	318.7	13.586	-9.495

EXCENTRICIDADES RESULTANTES CABEZA -.157600456398 .236919531856
EXCENTRICIDADES 1 ORDEN CABEZA -.159083777848 .236899905868

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-36.0	-165.6	336.9	-10.244	-43.995
1	-.002	-0.000	-24.8	-156.7	335.0	-6.776	-40.021
2	-.006	-.001	-13.4	-147.0	333.2	-3.512	-35.934
3	-.013	-.002	-1.9	-136.6	331.4	-.487	-31.802
4	-.022	-.003	9.5	-125.5	329.6	2.269	-27.709
5	-.033	-.004	20.9	-113.8	327.8	4.731	-23.757
6	-.046	-.005	32.3	-101.7	326.0	6.888	-20.075
7	-.060	-.005	43.4	-89.2	324.2	8.757	-16.796
8	-.076	-.005	54.3	-76.5	322.3	10.393	-14.030
9	-.092	-.003	65.1	-63.5	320.5	11.940	-11.699
10	-.109	-.001	75.5	-50.4	318.7	13.616	-9.544

EXCENTRICIDADES RESULTANTES CABEZA -.158157502624 .23690906338
EXCENTRICIDADES 1 ORDEN CABEZA -.159083777848 .236899905868

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-36.0	-165.9	336.9	-10.278	-44.200
1	-.002	-0.000	-24.8	-157.0	335.0	-6.798	-40.215
2	-.006	-.001	-13.4	-147.3	333.2	-3.524	-36.119
3	-.013	-.002	-1.9	-136.9	331.4	-.488	-31.978
4	-.022	-.003	9.5	-125.7	329.6	2.277	-27.873
5	-.033	-.004	20.9	-114.1	327.8	4.748	-23.905
6	-.046	-.005	32.3	-101.9	326.0	6.913	-20.198
7	-.061	-.005	43.4	-89.4	324.2	8.786	-16.890
8	-.076	-.005	54.3	-76.7	322.3	10.422	-14.094
9	-.093	-.003	65.1	-63.7	320.5	11.965	-11.744
10	-.110	-.001	75.5	-50.5	318.7	13.634	-9.575

EXCENTRICIDADES RESULTANTES CABEZA -.158506365755 .236904084081
EXCENTRICIDADES 1 ORDEN CABEZA -.159083777848 .236899905868

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-36.0	-166.1	336.9	-10.298	-44.325
1	-.002	-0.000	-24.8	-157.2	335.0	-6.811	-40.335
2	-.006	-.001	-13.4	-147.5	333.2	-3.531	-36.235
3	-.013	-.002	-1.9	-137.0	331.4	-.489	-32.089
4	-.022	-.003	9.5	-125.9	329.6	2.282	-27.976
5	-.033	-.004	20.9	-114.2	327.8	4.759	-23.997
6	-.046	-.005	32.3	-102.1	326.0	6.929	-20.276
7	-.061	-.005	43.4	-89.6	324.2	8.805	-16.949
8	-.076	-.005	54.4	-76.8	322.3	10.441	-14.135
9	-.093	-.003	65.1	-63.8	320.5	11.980	-11.772
10	-.110	-.001	75.5	-50.6	318.7	13.642	-9.592

EXCENTRICIDADES RESULTANTES CABEZA -.158724213656 .236901785528
EXCENTRICIDADES 1 ORDEN CABEZA -.159083777848 .236899905868

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-36.0	-166.2	336.9	-10.310	-44.403
1	-.002	-0.000	-24.8	-157.3	335.0	-6.819	-40.410
2	-.006	-.001	-13.4	-147.6	333.2	-3.535	-36.307
3	-.013	-.002	-1.9	-137.1	331.4	-.490	-32.157
4	-.022	-.003	9.5	-126.0	329.6	2.286	-28.040
5	-.034	-.004	21.0	-114.3	327.8	4.766	-24.055
6	-.046	-.005	32.3	-102.2	326.0	6.939	-20.324
7	-.061	-.005	43.4	-89.6	324.2	8.817	-16.986
8	-.076	-.005	54.4	-76.8	322.3	10.449	-14.156
9	-.093	-.003	65.1	-63.8	320.5	11.987	-11.787
10	-.110	-.001	75.5	-50.6	318.7	13.651	-9.605

EXCENTRICIDADES RESULTANTES CABEZA -.158860741003 .236901295238
EXCENTRICIDADES 1 ORDEN CABEZA -.159083777848 .236899905868

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-36.0	-166.2	336.9	-10.317	-44.451
1	-.002	-0.000	-24.8	-157.4	335.0	-6.824	-40.456
2	-.006	-.001	-13.4	-147.7	333.2	-3.538	-36.351
3	-.013	-.002	-1.9	-137.2	331.4	-.490	-32.200
4	-.022	-.003	9.5	-126.1	329.6	2.288	-28.080
5	-.034	-.004	21.0	-114.4	327.8	4.771	-24.091
6	-.047	-.005	32.3	-102.2	326.0	6.945	-20.355
7	-.061	-.005	43.4	-89.7	324.2	8.822	-17.005
8	-.077	-.005	54.4	-76.9	322.3	10.458	-14.175
9	-.093	-.003	65.1	-63.8	320.5	11.995	-11.799
10	-.111	-.001	75.5	-50.7	318.7	13.655	-9.612

EXCENTRICIDADES RESULTANTES CABEZA -.158945354418 .236900506149
EXCENTRICIDADES 1 ORDEN CABEZA -.159083777848 .236899905868
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 11 TANTEO 0

Fpx= 4.5 t Fpy= -13.2 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-35.5	3.1	336.9	-4.680	.413
1	0.000	-0.000	-24.4	-1.4	335.0	-3.208	-.183
2	0.000	-.001	-13.2	-5.8	333.2	-1.729	-.767
3	-0.000	-.001	-1.9	-10.2	331.4	-.248	-1.337
4	-0.000	-.002	9.4	-14.4	329.6	1.231	-1.892
5	-0.000	-.002	20.6	-18.6	327.8	2.704	-2.432
6	-.001	-.002	31.8	-22.5	326.0	4.169	-2.954
7	-.002	-.002	42.9	-26.4	324.2	5.644	-3.476
8	-.002	-.002	53.9	-30.1	322.3	7.278	-4.124
9	-.004	-.001	64.6	-33.6	320.5	9.159	-4.943
10	-.005	.001	75.2	-36.9	318.7	11.348	-5.919

EXCENTRICIDADES RESULTANTES CABEZA -.115872425911 .236059504152
EXCENTRICIDADES 1 ORDEN CABEZA -.121117037967 .236899905868

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-35.3	1.4	336.9	-4.644	.178
1	0.000	-0.000	-24.1	-3.2	335.0	-3.172	-.416
2	-0.000	-.001	-12.9	-7.6	333.2	-1.694	-.997
3	-0.000	-.001	-1.6	-11.9	331.4	-.214	-1.564
4	-0.000	-.002	9.6	-16.1	329.6	1.264	-2.116
5	-.001	-.002	20.9	-20.2	327.8	2.739	-2.651
6	-.001	-.002	32.1	-24.2	326.0	4.220	-3.185
7	-.002	-.002	43.1	-28.0	324.2	5.829	-3.832
8	-.003	-.002	54.1	-31.6	322.3	7.657	-4.643
9	-.004	-.001	64.9	-35.1	320.5	9.772	-5.609
10	-.006	.001	75.4	-38.3	318.7	12.222	-6.686

EXCENTRICIDADES RESULTANTES CABEZA -.120209175052 .236651103843
EXCENTRICIDADES 1 ORDEN CABEZA -.121117037967 .236899905868

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-35.2	1.1	336.9	-4.635	.149
1	0.000	-0.000	-24.1	-3.4	335.0	-3.163	-.445

2	-0.000	-.001	-12.8	-7.8	333.2	-1.685	-1.027
3	-0.000	-.001	-1.6	-12.2	331.4	-.205	-1.596
4	-0.000	-.002	9.7	-16.4	329.6	1.274	-2.148
5	-.001	-.002	21.0	-20.5	327.8	2.748	-2.684
6	-.001	-.002	32.1	-24.4	326.0	4.240	-3.228
7	-.002	-.002	43.2	-28.2	324.2	5.899	-3.912
8	-.003	-.002	54.2	-31.9	322.3	7.822	-4.781
9	-.004	-.001	64.9	-35.3	320.5	10.059	-5.808
10	-.006	.001	75.5	-38.6	318.7	12.643	-6.939

EXCENTRICIDADES RESULTANTES CABEZA -.12096708322 .236809251742
EXCENTRICIDADES 1 ORDEN CABEZA -.121117037967 .236899905868

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-35.2	1.1	336.9	-4.632	.145
1	0.000	-0.000	-24.0	-3.4	335.0	-3.159	-.450
2	-0.000	-.001	-12.8	-7.9	333.2	-1.681	-1.032
3	-0.000	-.001	-1.5	-12.2	331.4	-.201	-1.601
4	-0.000	-.002	9.7	-16.4	329.6	1.277	-2.153
5	-.001	-.002	21.0	-20.5	327.8	2.752	-2.690
6	-.001	-.002	32.2	-24.5	326.0	4.246	-3.235
7	-.002	-.002	43.2	-28.3	324.2	5.920	-3.932
8	-.003	-.002	54.2	-31.9	322.3	7.879	-4.825
9	-.005	-.001	65.0	-35.3	320.5	10.171	-5.884
10	-.006	.001	75.5	-38.6	318.7	12.820	-7.040

EXCENTRICIDADES RESULTANTES CABEZA -.121084868347 .236867908036
EXCENTRICIDADES 1 ORDEN CABEZA -.121117037967 .236899905868

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-35.2	1.1	336.9	-4.630	.144
1	0.000	-0.000	-24.0	-3.4	335.0	-3.158	-.451
2	-0.000	-.001	-12.8	-7.9	333.2	-1.680	-1.034
3	-0.000	-.001	-1.5	-12.2	331.4	-.200	-1.602
4	-0.000	-.002	9.7	-16.4	329.6	1.279	-2.154
5	-.001	-.002	21.0	-20.5	327.8	2.753	-2.691
6	-.001	-.002	32.2	-24.5	326.0	4.248	-3.237
7	-.002	-.002	43.2	-28.3	324.2	5.925	-3.937
8	-.003	-.002	54.2	-31.9	322.3	7.898	-4.840
9	-.005	-.001	65.0	-35.4	320.5	10.213	-5.912
10	-.006	.001	75.5	-38.6	318.7	12.893	-7.080

EXCENTRICIDADES RESULTANTES CABEZA -.121108215632 .236888896433
EXCENTRICIDADES 1 ORDEN CABEZA -.121117037967 .236899905868

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-35.2	1.1	336.9	-4.630	.143
1	0.000	-0.000	-24.0	-3.4	335.0	-3.158	-.452
2	-0.000	-.001	-12.8	-7.9	333.2	-1.679	-1.034
3	-0.000	-.001	-1.5	-12.2	331.4	-.200	-1.602
4	-0.000	-.002	9.8	-16.4	329.6	1.279	-2.155
5	-.001	-.002	21.0	-20.5	327.8	2.753	-2.691
6	-.001	-.002	32.2	-24.5	326.0	4.248	-3.238
7	-.002	-.002	43.3	-28.3	324.2	5.927	-3.938
8	-.003	-.002	54.2	-31.9	322.3	7.904	-4.844
9	-.005	-.001	65.0	-35.4	320.5	10.227	-5.921
10	-.006	.001	75.5	-38.6	318.7	12.922	-7.096

EXCENTRICIDADES RESULTANTES CABEZA -.121114442725 .23689638566
EXCENTRICIDADES 1 ORDEN CABEZA -.121117037967 .236899905868

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-35.2	1.1	336.9	-4.630	.143
1	0.000	-0.000	-24.0	-3.4	335.0	-3.157	-.452
2	-0.000	-.001	-12.8	-7.9	333.2	-1.679	-1.034
3	-0.000	-.001	-1.5	-12.2	331.4	-.199	-1.602
4	-0.000	-.002	9.8	-16.4	329.6	1.279	-2.155
5	-.001	-.002	21.0	-20.5	327.8	2.753	-2.691
6	-.001	-.002	32.2	-24.5	326.0	4.248	-3.238
7	-.002	-.002	43.3	-28.3	324.2	5.928	-3.938
8	-.003	-.002	54.2	-31.9	322.3	7.906	-4.845
9	-.005	-.001	65.0	-35.4	320.5	10.234	-5.926
10	-.006	.001	75.5	-38.6	318.7	12.931	-7.101

EXCENTRICIDADES RESULTANTES CABEZA -.121116094247 .236898574866
EXCENTRICIDADES 1 ORDEN CABEZA -.121117037967 .236899905868
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 12 TANTEO 0

Fpx= -8.5 t Fpy= -17.6 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-55.9	-129.6	304.5	-11.946	-25.920
1	-.001	-0.000	-41.7	-122.2	302.6	-9.997	-27.944
2	-.004	-.002	-27.2	-114.2	300.8	-6.667	-26.592
3	-.009	-.003	-12.5	-105.6	299.0	-3.003	-23.913
4	-.015	-.005	2.3	-96.6	297.2	.533	-20.832
5	-.023	-.007	17.2	-87.1	295.4	3.781	-17.750
6	-.032	-.008	32.1	-77.3	293.6	6.692	-14.873
7	-.042	-.009	46.9	-67.2	291.8	9.269	-12.346
8	-.054	-.010	61.6	-56.9	289.9	11.578	-10.295
9	-.065	-.009	76.1	-46.5	288.1	13.925	-8.646
10	-.078	-.008	90.5	-35.8	286.3	16.755	-7.013

EXCENTRICIDADES RESULTANTES CABEZA -.125157372792 .316036217315
EXCENTRICIDADES 1 ORDEN CABEZA -.202584701362 .308417743626

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-58.3	-153.6	304.5	-13.965	-35.074
1	-.001	-0.000	-44.1	-146.0	302.6	-10.788	-33.940
2	-.005	-.002	-29.5	-137.6	300.8	-7.079	-31.097
3	-.011	-.004	-14.8	-128.5	299.0	-3.405	-27.679
4	-.019	-.006	.1	-118.9	297.2	-3.405	-24.189
5	-.028	-.008	15.2	-108.8	295.4	3.162	-20.896
6	-.039	-.010	30.2	-98.3	293.6	5.966	-18.018
7	-.051	-.011	45.2	-87.5	291.8	8.488	-15.782
8	-.065	-.012	60.1	-76.3	289.9	10.978	-14.162
9	-.079	-.013	74.9	-64.9	288.1	13.841	-12.677
10	-.094	-.012	89.4	-53.3	286.3	17.299	-11.034

EXCENTRICIDADES RESULTANTES CABEZA -.186129905336 .312419526382
EXCENTRICIDADES 1 ORDEN CABEZA -.202584701362 .308417743626

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-59.4	-157.4	304.5	-15.802	-40.092
1	-.001	-.001	-45.2	-149.8	302.6	-11.825	-37.385
2	-.005	-.002	-30.6	-141.4	300.8	-7.740	-33.903
3	-.012	-.004	-15.8	-132.3	299.0	-3.828	-30.189
4	-.021	-.006	-.8	-122.5	297.2	-3.828	-26.574
5	-.031	-.009	14.3	-112.3	295.4	3.150	-22.990
6	-.043	-.011	29.4	-101.5	293.6	6.192	-19.862
7	-.057	-.013	44.5	-90.4	291.8	9.029	-17.254
8	-.071	-.014	59.4	-79.0	289.9	11.804	-15.163
9	-.087	-.014	74.2	-67.2	288.1	14.662	-13.440
10	-.104	-.014	88.8	-55.3	286.3	18.039	-11.735

EXCENTRICIDADES RESULTANTES CABEZA -.193003924501 .310140258508
EXCENTRICIDADES 1 ORDEN CABEZA -.202584701362 .308417743626

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-59.9	-160.1	304.5	-16.737	-42.851
1	-.002	-.001	-45.6	-152.5	302.6	-12.373	-39.448
2	-.006	-.002	-31.0	-144.0	300.8	-8.098	-35.688
3	-.013	-.004	-16.2	-134.8	299.0	-4.051	-31.826
4	-.022	-.006	-1.2	-124.9	297.2	-.291	-28.135
5	-.033	-.009	13.9	-114.5	295.4	3.157	-24.366
6	-.046	-.011	28.9	-103.5	293.6	6.302	-21.057
7	-.060	-.013	44.0	-92.2	291.8	9.213	-18.221
8	-.075	-.014	58.9	-80.5	289.9	12.006	-15.909
9	-.092	-.014	73.6	-68.5	288.1	14.879	-14.014

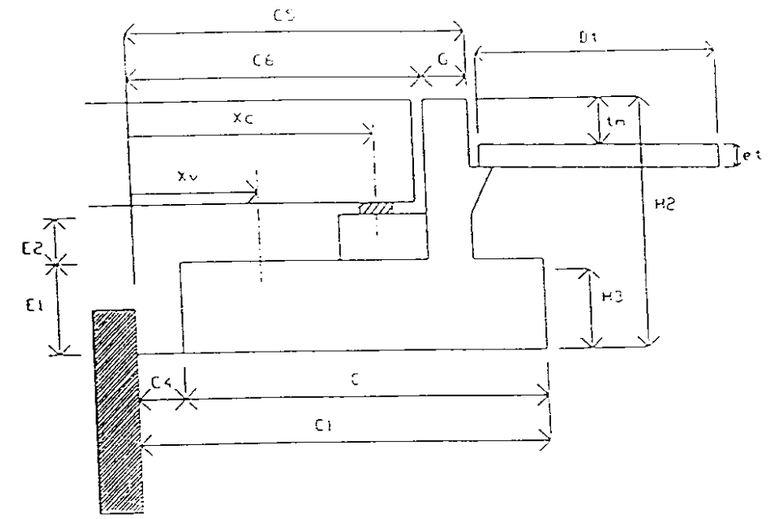


Fig 3. Cargadero con losa de transición

MACIZO

En la siguiente figura se reflejan las notaciones utilizadas.

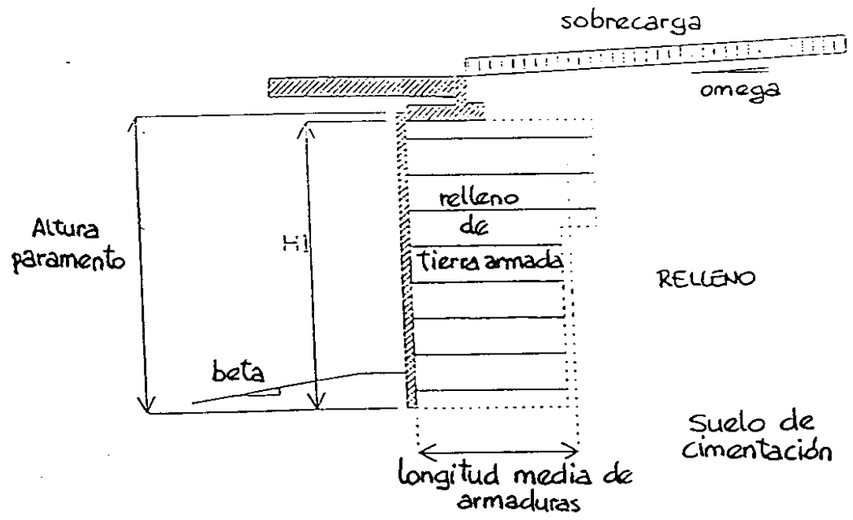


Fig 4 Macizo de tierra armada (Sección trapezoideal)

En el caso de sección rectangular, correspondiente a una sección trapezoideal con longitud de armaduras constante, la salida indica únicamente la longitud de armaduras.

SOBRECARGAS

Aquí se precisa el valor de la sobrecarga sobre el macizo de tierra armada; en general, para carreteras, se toma una sobrecarga de 10 Kpa

2.1.2 Reacciones del tablero: (no ponderadas)

El programa indica aquí los valores de las diferentes cargas no ponderadas que se aplican al cargadero, por metro lineal de este:

- *VERTICALES*
  F_{v1}, carga permanente del tablero (peso propio)
  F_{v2} y F'_{v2}, sobrecargas maxima y mínima de explotación, sobre el tablero. F'_{v2}, representa la sobrecarga mínima de explotación, compatible con el esfuerzo máximo de frenado.

- *HORIZONTALES*
  F_{h1} carga permanente debida a retraccion o fluencia del tablero.
  F_{h2}, esfuerzo máximo de frenado
  Fh_3, esfuerzo debido a acortamiento térmico

- *SISMICAS*
  d F_{v1}, variación dinámica del peso propio
  d F_{v2} y d F'_{v2}, variación dinámica de las sobrecargas de explotación F_{v2} y F'_{v2}.
  EF_{v1}, esfuerzo de inercia horizontal transmitida por el tablero.

2.1.3 Características de los rellenos

Relleno de tierra armada (suelo 1): Densidades (gamma 1) máxima y mínima, ángulo de rozamiento, (phi1) y coeficiente de rozamiento, μ^*_0, definido en la norma, 6.3, son datos.

Relleno exterior (suelo 2): Densidad (gamma2) y angulo de rozamiento interno (phi2) son datos.

Suelo de cimentación (suelo 3): Angulo de rozamiento interno (phi3) y cohesión (C3) son datos.

Las notaciones empleadas pueden verse en la Fig.4.

D. COMBINACIONES DE ACCIONES

Ponderaciones de cargas aplicadas al cargadero

Para la verificación del cargadero, el programa prevee 6 combinaciones de acciones, de las cuales, las combinaciones 5 y 6 corresponden a una fase provisional para el calculo estático, y 4 combinaciones de acciones, de las cuales, las combinaciones 5s y 6s corresponden a una fase provisional para el cálculo sísmico. Los coeficientes de ponderación, aplicados a las diferentes cargas presentadas en el párrafo 2.1.2, son los siguientes, en función de las combinaciones de acciones.

	Fv1	Fv2	F'v2	Fh1	Fh2	Fh3	Ws	Wg	Wt	q1	P1	Pq1
Estático												
1	1,20	1,33	0	1,20	1,33	0,80	1,20	1,20	1,20	1,33	1,20	1,33
2	1,00	0	1,00	1,20	1,33	0,80	1,00	1,00	1,00	0	1,20	1,33
3	1,00	0	0	1,20	0	1,50	1,00	1,00	1,00	0	1,20	1,33
4	1,00	0	0	1,00	0	0	1,00	1,00	1,00	0	1,00	0
5	1,20	0	0	0	0	1,50	1,20	0	0	0	1,20	0
6	1,20	0	0	0	0	0	1,20	1,20	1,20	0	1,20	0
Sísmico												
1s	1,00	1,00	0	1,00	1,00	0,80	1,00	1,00	1,00	1,00	1,00	1,00
2s	1,00	0	1,00	1,00	1,00	0,80	1,00	1,00	1,00	0	1,00	1,00
5s	1,00	0	0	0	0	0,80	1,00	0	0	0	1,00	0
6s	1,00	0	0	0	0	0	1,00	0	1,00	0	1,00	0

Ponderaciones de cargas aplicadas al macizo de tierra armada

Los coeficientes de ponderación a considerar para el dimensionamiento del estribo, según la norma (7.3.1 y 8.3.1), se presentan en la tabla siguiente, en función de las combinaciones de acciones. Los símbolos de la norma se indican entre paréntesis.

Combinación de acción	LFw (γF1G) Peso del macizo	LFp (γF1G) Empuje debido al peso del relleno	LFq1 (γF1q) Sobrecarga sobre el macizo	LFq2 (γF1q) Empuje debido a la sobrecarga	Densidad del macizo armado
ESTATICA					
1 (A)	1,20	1,20	1,33	1,33	Max.
2 (B)	1,00	1,20	0	1,33	Min.
3 *	1,00	1,00	0	0	Max.
4 **	1,00	1,20	0	0	Min.
5 **	1,00	1,20	0	0	Min.
SISMICA					
1s	1,00	1,00	0	0	Min.
2s	1,00	1,00	0	0	Max.
4s **	1,00	1,20	0	0	Min.
5s **	1,00	1,20	0	0	Min.

* La combinación 3 se usa para el cálculo de asientos, y aparece por tanto en el calculo de verificación a hundimiento (ver 2.2.1).

** Los casos 4,5,4s y 5s no están previstos en la norma, y corresponden a un cálculo en fase provisional.

El caso 1s corresponde a la combinación de acción S de la norma, para estabilidad externa, y el caso 2s corresponde a la combinación de acción S de la norma, para estabilidad interna.

A cada una de las combinaciones, de calculo sísmico, corresponden dos sub-condiciones:

. +dW : aceleración vertical dirigida hacia abajo

. –dW : aceleración vertical dirigida hacia arriba

El dimensionamiento del cargadero permite obtener los valores ponderados de la presión máxima bajo el cargadero, y los esfuerzos horizontales aplicados en la cabeza del macizo. Esta presión y estos esfuerzos se tienen en cuenta para el dimensionamiento del estribo, sin necesidad de aplicar nuevamente coeficientes de ponderación. Los valores de la presión máxima bajo el cargadero, así como los esfuerzos horizontales obtenidos de la combinación de acciones 1, serán utilizados para el dimensionamiento con la combinación 1. Se hacen coincidir las combinaciones 1, 2, 3, 5, 6, 1s, 2s ,5s y 6s para verificar el cargadero respectivamente con las combinaciones de acciones 1, 2, 3, 4, 5, 1s, 2s, 4s, y 5s para el dimensionamiento del estribo.

E NIVEL DE SEGURIDAD

Los coeficientes de seguridad parciales y de método (coeficiente que tiene en cuenta las incertidumbres del modelo de cálculo empleado), según la norma (7.3 y 8.3), se presentan en la tabla siguiente (Recordamos aquí que los estribos son obras especiales y que por tanto es preciso aplicar los coeficientes de seguridad correspondientes).

		Coeficiente de seguridad parcial		Coeficiente de método (γF3)	
		Estático (Fundamental)	Sismico (Accidental)	Estático (Fundamental)	Sismico (Accidental)
ESTABILIDAD EXTERNA					
- Deslizamiento				1,000	1,000
Rozamiento	$FS_g(\gamma m\varphi)$	1,20	1,10		
Cohesión	$FS_{gc}(\gamma mc)$	1,65	1,50		
- Vuelco *	FS_r	1,50	1,50	1,000	1,000
- Hundimiento	$FS_c(\gamma mq)$	1,50	1,50	1,125	1,000
ESTABILIDAD INTERNA					
Tracción	$FS_t(\gamma mt)$	1,65	1,65	1,125	1,000
Adherencia	$FS_f(\gamma mf)$	1,30	1,04 **	1,125	1,000

* Este criterio no se considera en la norma.

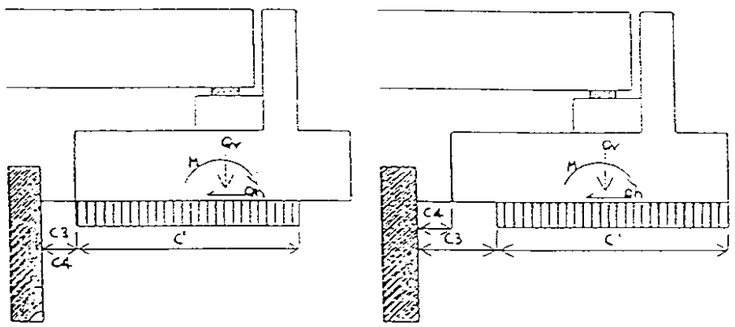
** La norma pide un coeficiente de seguridad parcial sobre la adherencia para el cálculo sismico de 1,30 para obras especiales. El programa Zarauz incorpora, en caso de cálculo sísmico, un coeficiente reductor de la tensión vertical de 0,80, lo que equivale a introducir en los datos un coeficiente γ mf de 1,04 (0,80 x 1,30 = 1,04).

Nota: Las páginas que siguen tratan del dimensionamiento del cargadero, así como de la estabilidad externa e interna del estribo. Aparecerán coeficientes de sobredimensionamiento que incluyen además todos los de seguridad y ponderación de cargas; por consiguiente basta que estos coeficientes de sobredimensionamiento sean superiores a la unidad para que los criterios considerados sean satisfechos.

2.1.4. Verificación del cargadero

Para cada combinación de acciones estudiadas, el programa calcula:

- Q_v y Q_h, resultantes horizontal y vertical de las fuerzas aplicadas bajo el cargadero,
- M, momento resultante de la diferencia entre momentos volcadores y estabilizadores
- C3-C4, distancia entre la extremidad del cargadero y la franja cargada:



El valor de C3-C4 es:

$$0 \quad si \frac{M}{Qv} \angle \frac{C}{2}$$

$$\left(2 \quad x \frac{M}{Qv} - C\right) \quad si \quad \frac{M}{Qv} > \frac{C}{2}$$

- C', es el ancho de la franja cargada, según Meyerhof.

El valor de C' Es :

$$\left(2 \quad x \quad \frac{M}{Qv}\right) x \quad si \quad \frac{M}{Qv} \angle \quad \frac{C}{2}$$

$$2 \quad x \quad \left(C - \frac{M}{Qv}\right) si \quad \frac{M}{Qv} > \frac{C}{2}$$

- q_S, es la presión máxima bajo el cargadero, es decir:

$$qs = \frac{Qv}{C'}$$

- renv.; Coeficiente de sobredimensionamieno respecto al vuelco para el cargadero

Este coeficiente es igual a $\frac{C'}{\frac{3}{4}C}$ salvo para el caso 5 en el que es igual a $\frac{C'}{\frac{2}{3}C}$ (el caso 5 se refiere a apoyo de gatos de elevación del tablero).

gliss; coeficiente de sobredimensionamiento respecto al deslizamiento del cargadero Este coeficiente es igual a $\frac{Qv \; x \; tan \; \phi \; 1}{FSg \; x \; Qh}$

2.1.5. Empuje

La resultante de loe empujes de tierras en el trasdós del macizo de tierra armada está inclinada repecto a la horizontal un ángulo δ, cuyo valor depende de la flexibilidad del macizo. Este valor se calcula de acuerdo a la norma, anexo F.

El coeficiente estático de empuje de tierras, K_2 ,calcula igualmente de acuerdo con la norma, anexo F.

En el caso de un cálculo sismico, aparece además un coeficiente dinámico de empuje de tierras. Este coeficiente se calcula de acuerdo con las fórmulas de Mononobé-Okabé.

F. ESTABILIDAD EXTERNA.

2.2.1 ESTADO LIMITE DE ESTIBILIDAD EXTERNA - HUNDIMIENTO

Para cada combinación de acciones estudiada, el programa calcula:

- R_V y R_h, resultantes vertivales y horiizontales(en kN/m);
- M_S y M_r, momento estabilizador y volcador (en kNm/m);
- q_{ref}, tensión de referencia de Meyerhof (en kPa);
- q_u maxi, capacidad portante mínima que debe tener el suelo en cimentación:

$$q_u = q_{ref} \; x \; \gamma_{mq} \; x \; \gamma_{F3}$$

La justificación respecto a hundimiento consiste en verificar la siguiente desigualdad:

$$\gamma_{F3} \times q_{ref} \leq \frac{q_{fu}}{\gamma_{mq}} \quad es \quad decir \quad q_u \leq q_{fu}$$

donde q_{fu} es la capacidad portante real, que debe calcularse teniendo en cuenta las carácteristicas del suelo y la inclinación de la resultante, cuya tangente vale Rh/Rv.
Nota: en la norma (7.3.3), la tensión, la tensión q_{ref}, engloba el coeficiente de método γF_3.
La entrega o empotramiento mínimo se calcula en función del valor de q_{ref}. Su valor mínimo será de 0,4 m.

2.2.2 DESLIZAMIENTO SOBRE LA BASE - VUELCO

Para cada combinación de acciones estudiada (salvo la combinación nº 3, que solo concierne al cálculo de asientos en cimentación), el programa calcula dos coeficientes de sobredimensionamiento, Γ, desde el punto de vista del deslizamiento, definidos por:

$$\Gamma = \frac{R_v \times \left(\frac{\tan\phi}{\gamma_{m\phi}} + \frac{c}{\gamma_{mc}} \times L \right)}{\gamma_{F3} \times R_h}$$

donde ∅ y c son el ángulo de rozamiento interno y la cohesión, bien del relleno de tierra armada(ruptura en el inerior del macizo), bien del suelo de cimentación (ruptura en la cimentación).

El programa calcula a continuación los valores mínimos de los ángulos de rozamiento y cohesiones de los contactos tierra armada/suelo de cimentación, sean puramente frotantes, o puramente cohesivos, que conducirán a un coeficiente de sobredimensionamiento igual a la unidad respecto al deslizamiento.

El coeficiente de sobredimensionamiento respecto al vuelco se da a titulo indicativo, puesto que no es considerado en la norma.

G. ESTABILIDAD INTERNA

La anchura de cálculo se elige en función de la tecnología del paramento utilizada.

2.3.1. Ruptura de armaduras-Tracción en el paramento

Para cada tongada de armaduras, se describen diversos detalles de cálculo.

. Columnas1 y 2: presentan el número de referencia, y la profundidad, z (en m), de la tongada de armaduras considerada.

. Columna 3: K, coeficiente de empuje de tierras, calculado según la norma (8.2.2.1)

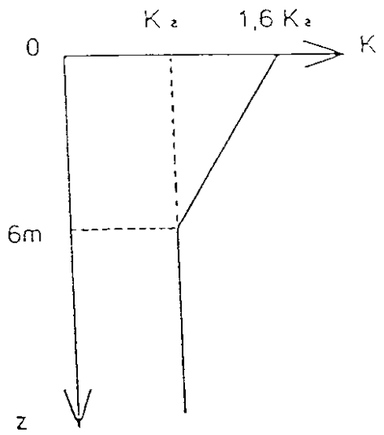


Fig. 5

. Columna 4: Tipo de armaduras.

. Columna 5: N (armaduras), número de armaduras unitarias necesarias por anchura de cálculo (3 m para los muros con escamas standard)

. Columna 6 : N (arranques), número de arranques necesarios por anchura de cálculo.

. Columna 7 : Combinación de acciones considerada.

. Columna 8: sighm, tensión horizontal.

$$sighm = K (\sigma_{11} - \sigma_{12}) + \Delta\sigma_3$$

donde:

- K se encuentra en la columna 3,
- σ_{11} es la tensión vertical, al nivel de la tongada de armaduras considerada, debida al peso y al efecto de vuelco, estimada a partir de la fórmula de Meyerhof.
- σ_{12} es la tensión vertical resultante de la difusión según Boussinesq de los esfuerzos encima del macizo (sobrecarga, peso del relleno y q_s, presión máxima bajo el cargadero)
- $\Delta\sigma_3$ es la tensión horizontal resultante de la difusión de los esfuerzos horizontales aplicados al cargadero.

. Columna 9 : Tmax, tracción máxima en cada armadura (Norma 8.2.2)

$$Tmax = sighm.\ S_V.\ n$$

donde S_V es la distancia vertical entre tongadas de armaduras, y n es el número de armaduras por metro lineal.(n = Max (N)/ anchura de cálculo).

. Columna 10 : Tr/Tm es el coeficiente de sobredimensionamiento respecto de la tracción máxima, donde Tm= γ_{F3}. Tmax, siendo γ_{F3} el coeficiente de método para la verificación de la tracción y Tr la tensión admisible de la armadura, dada en 1.2

. Columna 11 : sigh0, tensión horizontal en el parametno.

.Columna 12: To, tracción en el paramento en cada armadura

$$To = \alpha_i\ Tmax$$

donde α_i viene definido en la norma (8.2.3.)

. Columna 13: Tro/To, coeficiente de sobredimensionamiento respecto de la tracción en el paramento. Esta relación engloba el coeficiente de método γ_{F3}. El valor señalado es, por tanto, igual a: $T_{r0}/(\gamma_{F3}.T_0)$.

.Columna 14: Tipo de paramento utilizado.
En el caso de las escamas, el programa señala el tipo necesario:

UR= no armadas
R = armadas
RS= escamas de 18 cm. de espesor.

2.3.2. *Adherencia*

.Columna 1: Número de referencia de la tongada de armaduras.

.Columna 2: za, profundidad media, en m., de la tongada considerada, situada sobre la longitud de adherencia (Norma 6.3).

.Columna 3: L, longitud, en m., de las armaduras de la tongada considerada.

.Columna 4: L_a, longitud de adherencia, en m., de las armaduras de la tongada considerada (Norma 3.1 y Anexo A).

. Columna 5: Tipo, el tipo de armadura considerada.

. Columna 6: N, número de armaduras por ancho de cálculo.

. Columna 7: Combinación de acciones considerada.

. Columna 8: Tmax, tracción máxima en cada armadura.

. Columna 9: T_f, rozamiento mobilizable para una armadura, incluidos los coeficientes parciales de seguridad.

$$Tf = \left(1/\gamma_{mf} \right) \times \frac{rf}{N}$$

donde r_f se define en el párrafo 8.2.4. de la norma.

. Columna 10: T_f/T_m, coeficiente de sobredimensionamiento respecto de la adherencia, donde $T_m = \gamma_{F3}\ .\ T_{max}$

A continuación se señalan:

. Tipo de armadura utilizada

. Para cada tipo de armadura utilizada, la cantidad de armaduras necesaria para una franja de paramento igual a la anchura de cálculo.

. El peso de armaduras por m² de paramento.

H. DATOS COMPLEMENTARIOS

1. *FICHERO DE STANDARIZACION*

El programa Valdez toma los datos que se precisan en el cálculo de un fichero de standarización según los reglamentos en vigor (ej: norma NF P 94-220 en Francia).

2. *METODO DE CALCULO*

El método de cálculo es el de estados límites últimos.

3. *COEFICIENTES*

Los coeficientes de ponderación de cargas aplicadas al macizo de tierra armada, de seguridad parcial y de método aplicados aquí son conforme a las tablas de los capitulos D y E de la presente nota.

4. *ARMADURAS*

Se señalan, para cada tipo de armaduras utilizadas, algunos datos complementarios: tolerancias y dimensiones en la unión con el paramento.

5. *PARAMENTO*

En este párrafo, se señalan el espaciamiento vertical entre armaduras, así como el tipo de paramento en cuanto a su flexibilidad (norma 8.2.3).

C:\TAISOFT\ZARAUS21\DATA\00003637AS01.RST

```
**************************************
*     1 .    DATOS GENERALES         *
**************************************
```

```
 1 . 1   TIPO DE ESTRUCTURA :
------------------------------

Vida de servicio :  70 años

Ambiente     :  Seco

Nivel de seguridad :  Alto
```

```
 1 . 2   ARMADURAS T.A.:
-----------------------

 Protección :  Galvanizado

 Tipo 1:       H.A. 50X4
 -------
 rotura           : 510.0  MPa  Resistencia admisible :
 ancho         b  :  50.0  mm
 espesor       eo :   4.0  mm     sección completa   Tr  :  49.13 kN
 esp. sacrif.  es :   1.0  mm     arranque           Trc :  35.65 kN

 Tipo 2:       H.A. 45X5 REFORZADAS
 -------
 rotura           : 530.0  MPa  Resistencia admisible :
 ancho         b  :  45.0  mm
 espesor       eo :   5.0  mm     sección completa   Tr  :  57.82 kN
 esp. sacrif.  es :   1.0  mm     arranque           Trc :  57.82 kN
```

```
1 . 3   PARAMENTO : ESCAMA ESTANDAR
-----------------------
```

****
* 2 . SECCIÓN 01 *
****

2 . 1 DATOS DE LA SECCIÓN :

2 . 1 . 1 GEOMETRÍA :

CARGADERO con espaldón:

anchos
 espaldón C6 : 1.450 m C5 : 1.750 m G : 0.300 m
 cargadero C4 : 0.100 m C1 : 1.850 m C : 1.750 m tacón : 0.100 m

alturas
 relleno gen. H2 : 1.900 m cargadero E1 : 0.800 m
 temporal H3 : 0.800 m apoyo/cima del carg. E2 : 0.100 m

apoyos
 temporal Xv : 1.150 m permanente Xc : 1.050 m

MACIZO DE T.A.:

Altura del muro H1 : 9.650 m Altura del paramento : 9.730 m
Inc. sobrecarga omega : 0.000 ° Pend. delante muro Beta_s : 0.000 °

Long. armaduras: 9.00 m

SOBRECARGAS: Valor q : 10.00 kPa

2 . 1 . 2 CARGAS DEL TABLERO : (sin incluir factores de carga)

VERTICAL
 peso propio Fv1 : 98.00 kN/m (permanente)
 sobrecarga max Fv2 : 130.60 kN/m (temporal)
 min F'v2 : 32.00 kN/m

HORIZONTAL
 retracción/fluencia Fh1 : 14.80 kN/m frenado max Fh2 : 3.10 kN/m
 deformación térmica Fh3 : 4.20 kN/m

2 . 1 . 3 PROPIEDADES DEL SUELO :

RELLENO T.A.
 Densidad gamma1 max : 20.00 kN/m3 gamma1 min : 18.00 kN/m3
 Rozamiento phi1 : 36.00 ° f* : 1.50

RELLENO GENERAL
 densidad gamma2 max : 20.00 kN/m3
 Rozamiento phi2 : 30.00 °

CIMENTACIÓN
 Rozamiento phi3 : 30.00 °
 Cohesión C3 : 0.00 kPa

C:\TAISOFT\ZARAUS21\DATA\00003637AS01.RST

2 . 1 . 4 ESTABILIDAD DEL CARGADERO :

Caso	Qv	Qh	M	C3-C4	C'	qs	vuel.	desliz.
1	395.84	51.16	341.62	0.00	1.73	229.01	1.32	4.68
2	175.43	51.16	127.67	0.00	1.46	120.56	1.11	2.08
3	143.43	49.45	98.81	0.00	1.38	104.13	1.05	1.76
4	143.43	25.63	119.66	0.00	1.67	85.98	1.27	3.39
5	179.31	8.89	160.67	0.04	1.71	104.98	1.30	12.23
6	193.04	14.62	179.52	0.10	1.65	117.66	1.41	8.02

qs (caso 4) = 85.98 < 150.00 OK

2 . 1 . 5 EMPUJE DE TIERRAS :

Inclinación del empuje de tierras detrás del macizo de T.A. = 13.62 °

Coeficiente del empuje de tierras:
 K2 = 0.313 (Estático)

2 . 2 ESTABILIDAD EXTERNA

2 . 2 . 1 ESTADO LÍMITE PARA LA ESTABILIDAD EXTERNA :

caso	Rv kN/m	Rh kN/m	Ms kNm/m	Mr kNm/m	qref kPa	qu max kPa
1	3349.94	609.86	14723.67	2593.92	462.59	693.88
2	2118.67	609.86	9725.17	2593.92	314.73	472.09
3	2244.79	407.90	10258.22	1650.68	292.71	439.07
4	1927.85	404.70	8510.43	1337.10	259.06	388.59
5	2126.55	530.69	9685.86	2035.61	295.56	443.34

Empotramiento mínimo = 0.69 m

2 . 2 . 2 DESLIZAMIENTO DE LA BASE - VUELCO :

caso	DESLIZAMIENTO EN LA BASE factor de sobredimensionamiento desliz en T.A.	desliz en ciment	valor mínimo phi(ø)	VUELCO factor de sobredim. Cohesión(kPa)
1	3.33	2.64	12.32 - 60.23	3.76
2	2.10	1.67	19.06 - 81.31	2.50
4	2.88	2.29	14.14 - 53.96	4.24
5	2.43	1.93	16.67 - 70.76	3.17

2 . 3 ESTABILIDAD INTERNA

Ancho de cálculo : 3.00 m

2 . 3 . 1 ROTURA ARMAD. - TRACCIÓN EN PARAMENTO : Factores de sobredim.

nivel	z m	k	armad. tipo	arra. Nø	Nø	caso	sighm kPa	Tmax kN	Tr/Tm	sigh0 kPa	T0 kN	Tro/To	
1	0.285	.357	2	6	6	1	130.71	32.35	1.79	93.50	23.14	2.50	R8
						2	91.88	22.49	2.57	71.76	17.76	3.26	
						4	47.07	11.65	4.96	26.06	6.45	8.96	
						5	56.74	14.04	4.12	25.81	6.39	9.05	
2	1.035	.338	2	5	5	1	101.96	45.88	1.26	94.66	42.60	1.36	R5
						2	63.49	28.57	2.02	61.70	27.77	2.08	
						4	40.65	18.29	3.16	36.94	16.62	3.48	
						5	46.85	21.08	2.74	39.38	17.72	3.26	
3	1.785	.319	2	4	4	1	93.18	42.29	1.37	72.29	40.67	1.42	R4
						2	49.91	22.45	2.58	39.09	21.98	2.63	
						4	35.27	19.84	2.91	34.27	19.28	3.00	
						5	38.86	21.86	2.65	35.91	20.20	2.86	
4	2.535	.299	2	4	4	1	70.70	39.77	1.45	67.79	38.13	1.52	R4
						2	37.92	21.33	2.71	36.23	20.38	2.84	
						4	34.61	19.47	2.97	33.39	18.78	3.08	
						5	37.55	21.12	2.74	35.61	20.03	2.89	
5	3.285	.280	2	4	4	1	66.96	37.66	1.54	65.51	36.85	1.57	R4
						2	36.72	20.66	2.80	35.83	20.16	2.87	
						4	33.51	18.85	3.07	32.84	18.47	3.13	
						5	36.35	20.45	2.83	35.49	19.96	2.90	
6	4.035	.261	2	4	4	1	64.38	36.21	1.60	63.83	35.90	1.61	R4
						2	37.17	20.91	2.77	35.81	20.14	2.87	
						4	32.52	18.29	3.16	32.52	18.29	3.16	
						5	36.76	20.68	2.80	35.40	19.91	2.90	
7	4.785	.260	2	4	4	1	70.99	39.93	1.45	67.00	37.69	1.53	R4
						2	41.78	23.50	2.46	38.52	21.66	2.67	
						4	36.44	20.50	2.82	34.66	19.50	2.97	
						5	40.94	23.03	2.51	37.88	21.31	2.71	
8	5.535	.260	2	4	4	1	78.35	44.07	1.31	72.35	40.70	1.42	R4
						2	46.86	26.36	2.19	42.58	23.95	2.41	
						4	40.96	23.04	2.51	37.97	21.36	2.71	
						5	45.60	25.65	2.25	41.59	23.40	2.47	
9	6.285	.260	2	4	4	1	85.73	48.22	1.20	79.15	44.52	1.30	R4
						2	52.07	29.29	1.97	47.59	26.77	2.16	
						4	45.54	25.62	2.26	42.12	23.69	2.44	
						5	50.37	28.33	2.04	46.17	25.97	2.23	
10	7.035	.260	2	4	4	1	93.12	52.38	1.10	86.89	48.87	1.18	R4
						2	57.44	32.31	1.79	53.28	29.97	1.93	
						4	50.19	28.23	2.05	46.86	26.36	2.19	
						5	55.25	31.08	1.86	51.35	28.88	2.00	
11	7.785	.260	2	4	4	1	100.60	56.59	1.02	95.51	53.73	1.08	R4
						2	63.01	35.44	1.63	59.65	33.55	1.72	
						4	54.99	30.93	1.87	52.21	29.37	1.97	
						5	60.33	33.94	1.70	57.14	32.14	1.80	
12	8.535	.260	2	5	5	1	108.22	48.70	1.19	104.84	47.18	1.23	R5
						2	68.90	31.01	1.86	66.65	29.99	1.93	
						4	59.98	26.99	2.14	58.10	26.15	2.21	
						5	65.63	29.53	1.96	63.50	28.58	2.02	
13	9.285	.260	2	5	5	1	116.13	51.56	1.12	114.90	51.02	1.13	R5
						2	75.17	33.38	1.73	74.35	33.01	1.75	
						4	65.26	28.97	2.00	64.57	28.67	2.02	
						5	71.24	31.63	1.83	70.46	31.29	1.85	

2 . 3 . 2 ADHERENCIA : Factor de sobredimensionamiento

nivel	za m	L	La	tipo	Ne	caso	Tmax kN	Tf kN	Tf/Tm
1	0.285	9.00	8.02	2	8	1	32.35	41.79	1.29
						2	22.49	23.31	1.04
						4	11.65	15.52	1.33
						5	14.04	24.38	1.74
2	1.035	9.00	8.02	2	5	1	45.88	46.64	1.02
						2	28.57	29.35	1.03
						4	18.29	22.82	1.25
						5	21.08	29.99	1.42
3	1.785	9.00	8.04	2	4	1	42.29	50.68	1.20
						2	22.45	33.97	1.51
						4	19.84	28.86	1.45
						5	21.86	34.34	1.57
4	2.535	9.00	6.27	2	4	1	31.43	40.10	1.28
						2	17.31	28.57	1.65
						4	14.76	25.03	1.70
						5	17.65	28.70	1.63
5	3.285	9.00	6.40	2	4	1	34.38	42.59	1.24
						2	19.42	30.91	1.59
						4	16.80	28.65	1.71
						5	19.45	30.96	1.59
6	4.035	9.00	6.52	2	4	1	36.21	45.27	1.25
						2	20.91	32.41	1.55
						4	18.19	31.20	1.71
						5	20.68	32.58	1.58
7	4.785	9.00	6.65	2	4	1	39.93	49.78	1.25
						2	23.50	35.20	1.50
						4	20.50	32.93	1.61
						5	23.03	35.63	1.55
8	5.535	9.00	6.94	2	4	1	44.07	56.98	1.29
						2	26.36	40.94	1.55
						4	23.04	36.31	1.58
						5	25.65	41.40	1.61
9	6.285	9.00	7.32	2	4	1	48.22	65.18	1.35
						2	29.29	47.50	1.62
						4	25.62	42.57	1.66
						5	28.33	48.00	1.69
10	7.035	9.00	7.69	2	4	1	52.38	73.67	1.41
						2	32.31	54.40	1.68
						4	28.23	49.26	1.74
						5	31.08	54.93	1.77
11	7.785	9.00	8.07	2	4	1	56.59	82.56	1.46
						2	35.44	61.72	1.74
						4	30.93	56.32	1.82
						5	33.94	62.24	1.83
12	8.535	9.00	8.44	2	5	1	48.70	91.96	1.89
						2	31.01	69.46	2.24
						4	26.99	63.84	2.37
						5	29.53	70.01	2.37
13	9.285	9.00	8.82	2	5	1	51.56	101.85	1.98
						2	33.38	77.62	2.33
						4	28.97	71.78	2.48
						5	31.63	78.19	2.47

Armaduras tipo 1 : H.A. 50X4
Armaduras tipo 2 : H.A. 45X5 REFORZADAS

Armaduras tipo 1 : 0.0 metros para ancho de muro de 3.0 m
Armaduras tipo 2 : 531.0 m

Peso de armaduras por metro cuadrado de paramento : 37.3 kg

DATOS COMPLEMENTARIOS

1 FICHERO DE ESTANDARIZACIÓN : SPAIN

2 MÉTODO DE CÁLCULO : Estado limite

3 FACTORES :

caso de carga	Factores de carga LFw	LFp	LFq1	LFq2	densidad T.A.
1	1.35	1.35	1.50	1.50	2
2	1.00	1.35	0.00	1.50	1
3	1.00	1.00	0.00	0.00	2
4	1.00	1.35	0.00	0.00	1
5	1.00	1.35	0.00	0.00	1

Densidad T.A. : 1 = min - 2 = max

Factores Segur.	FSg	FSgc	FSr	FSc	FSt	FSf
Estático	1.20	1.20	1.50	1.50	1.65	1.50
Factor de método						
Estático	1.000		1.000	1.000	1.000	1.000

4 ARMADURAS :

Tipo de armaduras 1

Tolerancia de ancho : 0.00 mm Tolerancia de espesor : 0.00 mm
Peso : 1.70 kg/lm

Tipo de armaduras 2

Tolerancia de ancho : 0.00 mm Tolerancia de espesor : 0.00 mm
Peso : 2.05 kg/lm

Capa de transición : No

5 PARAMENTO :

Separación vertical armd. : 0.750 mm
Altura desde arranque : 0.365 mm
Flexibilidad del param : 2
Flexibilidad : 1 = rígido (ex :paneles enteros)
2 = discreto (ex :paneles normales)
3 = flexible (ex :paramento metálico)

10	-.110	-.013	88.1	-56.3	286.3	18.259	-12.153

EXCENTRICIDADES RESULTANTES CABEZA -.196637118206 .307792666538
EXCENTRICIDADES 1 ORDEN CABEZA -.202584701362 .308417743626

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-59.7	-161.8	304.5	-17.161	-44.435
1	-.002	-.001	-45.4	-154.1	302.6	-12.560	-40.671
2	-.006	-.002	-30.8	-145.6	300.8	-8.189	-36.790
3	-.013	-.004	-16.0	-136.4	299.0	-4.068	-32.855
4	-.022	-.007	-1.0	-126.4	297.2	-4.068	-29.020
5	-.034	-.009	14.2	-115.9	295.4	3.296	-25.242
6	-.047	-.012	29.3	-104.8	293.6	6.520	-21.812
7	-.062	-.014	44.4	-93.3	291.8	9.489	-18.817
8	-.078	-.015	59.4	-81.5	289.9	12.315	-16.333
9	-.095	-.015	74.2	-69.4	288.1	15.188	-14.309
10	-.113	-.015	88.8	-57.0	286.3	18.544	-12.370

EXCENTRICIDADES RESULTANTES CABEZA -.19900612779 .310114060349
EXCENTRICIDADES 1 ORDEN CABEZA -.202584701362 .308417743626

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-60.2	-162.8	304.5	-17.648	-45.405
1	-.002	-.001	-45.9	-155.1	302.6	-12.849	-41.377
2	-.006	-.002	-31.3	-146.6	300.8	-8.415	-37.446
3	-.013	-.004	-16.5	-137.3	299.0	-4.240	-33.480
4	-.023	-.007	-1.4	-127.3	297.2	-.357	-29.674
5	-.035	-.009	13.7	-116.7	295.4	3.214	-25.787
6	-.048	-.011	28.8	-105.6	293.6	6.473	-22.290
7	-.063	-.013	43.8	-94.0	291.8	9.465	-19.205
8	-.079	-.014	58.7	-82.1	289.9	12.297	-16.625
9	-.097	-.014	73.5	-69.9	288.1	15.166	-14.526
10	-.116	-.014	88.0	-57.4	286.3	18.508	-12.527

EXCENTRICIDADES RESULTANTES CABEZA -.200367382988 .307464573496
EXCENTRICIDADES 1 ORDEN CABEZA -.202584701362 .308417743626

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-59.9	-163.4	304.5	-17.787	-46.069
1	-.002	-.001	-45.6	-155.8	302.6	-12.845	-41.814
2	-.006	-.002	-31.0	-147.2	300.8	-8.385	-37.853
3	-.013	-.004	-16.2	-137.9	299.0	-4.187	-33.865
4	-.023	-.007	-1.1	-127.9	297.2	-.283	-29.966
5	-.035	-.009	14.0	-117.2	295.4	3.309	-26.116
6	-.049	-.011	29.1	-106.0	293.6	6.586	-22.572
7	-.064	-.013	44.1	-94.4	291.8	9.589	-19.421
8	-.080	-.014	59.0	-82.5	289.9	12.419	-16.768
9	-.098	-.014	73.8	-70.2	288.1	15.271	-14.611
10	-.117	-.014	88.3	-57.6	286.3	18.572	-12.581

EXCENTRICIDADES RESULTANTES CABEZA -.201258776805 .30827337393
EXCENTRICIDADES 1 ORDEN CABEZA -.202584701362 .308417743626

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-59.8	-163.8	304.5	-17.933	-46.479
1	-.002	-.001	-45.6	-156.1	302.6	-12.886	-42.059
2	-.006	-.002	-31.0	-147.6	300.8	-8.408	-38.088
3	-.014	-.004	-16.1	-138.2	299.0	-4.194	-34.092
4	-.023	-.007	-1.1	-128.2	297.2	-.273	-30.157
5	-.035	-.009	14.0	-117.5	295.4	3.335	-26.320
6	-.049	-.011	29.1	-106.3	293.6	6.627	-22.751
7	-.064	-.013	44.2	-94.7	291.8	9.640	-19.566
8	-.081	-.014	59.1	-82.7	289.9	12.472	-16.876
9	-.099	-.014	73.8	-70.4	288.1	15.320	-14.687
10	-.118	-.014	88.3	-57.8	286.3	18.618	-12.633

EXCENTRICIDADES RESULTANTES CABEZA -.201782955783 .308464687041
EXCENTRICIDADES 1 ORDEN CABEZA -.202584701362 .308417743626

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-59.9	-164.0	304.5	-18.039	-46.746
1	-.002	-.001	-45.6	-156.3	302.6	-12.919	-42.206
2	-.006	-.002	-31.0	-147.8	300.8	-8.430	-38.229
3	-.014	-.004	-16.1	-138.4	299.0	-4.207	-34.229
4	-.023	-.007	-1.1	-128.4	297.2	-.276	-30.277
5	-.035	-.009	14.0	-117.7	295.4	3.342	-26.442
6	-.049	-.011	29.1	-106.5	293.6	6.644	-22.860
7	-.064	-.013	44.2	-94.8	291.8	9.665	-19.655
8	-.081	-.014	59.1	-82.8	289.9	12.500	-16.941
9	-.099	-.015	73.8	-70.5	288.1	15.347	-14.732
10	-.118	-.014	88.3	-57.9	286.3	18.641	-12.665

EXCENTRICIDADES RESULTANTES CABEZA -.202092678401 .308477555281
EXCENTRICIDADES 1 ORDEN CABEZA -.202584701362 .308417743626

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-59.9	-164.1	304.5	-18.112	-46.922
1	-.002	-.001	-45.6	-156.5	302.6	-12.941	-42.296
2	-.006	-.002	-31.0	-147.9	300.8	-8.446	-38.315
3	-.014	-.004	-16.1	-138.6	299.0	-4.216	-34.312
4	-.023	-.007	-1.1	-128.5	297.2	-.279	-30.352
5	-.035	-.009	14.0	-117.8	295.4	3.345	-26.516
6	-.049	-.012	29.1	-106.6	293.6	6.653	-22.925
7	-.065	-.013	44.1	-94.9	291.8	9.678	-19.708
8	-.081	-.014	59.1	-82.9	289.9	12.516	-16.980
9	-.099	-.015	73.8	-70.5	288.1	15.362	-14.759
10	-.119	-.014	88.3	-57.9	286.3	18.648	-12.681

EXCENTRICIDADES RESULTANTES CABEZA -.202280503434 .308463144831
EXCENTRICIDADES 1 ORDEN CABEZA -.202584701362 .308417743626

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-59.9	-164.2	304.5	-18.162	-47.037
1	-.002	-.001	-45.6	-156.6	302.6	-12.955	-42.351
2	-.006	-.002	-31.0	-148.0	300.8	-8.456	-38.368
3	-.014	-.004	-16.2	-138.7	299.0	-4.223	-34.363
4	-.024	-.007	-1.1	-128.6	297.2	-.282	-30.399
5	-.035	-.009	14.0	-117.9	295.4	3.346	-26.561
6	-.049	-.012	29.1	-106.7	293.6	6.658	-22.965
7	-.065	-.013	44.1	-95.0	291.8	9.686	-19.740
8	-.082	-.014	59.1	-82.9	289.9	12.525	-17.003
9	-.100	-.015	73.8	-70.6	288.1	15.366	-14.771
10	-.119	-.014	88.3	-57.9	286.3	18.657	-12.693

EXCENTRICIDADES RESULTANTES CABEZA -.202396010121 .308449203766
EXCENTRICIDADES 1 ORDEN CABEZA -.202584701362 .308417743626

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-59.9	-164.3	304.5	-18.194	-47.113
1	-.002	-.001	-45.6	-156.6	302.6	-12.964	-42.385
2	-.006	-.002	-31.0	-148.1	300.8	-8.463	-38.401
3	-.014	-.004	-16.2	-138.7	299.0	-4.227	-34.394
4	-.024	-.007	-1.1	-128.6	297.2	-.284	-30.428
5	-.035	-.009	14.0	-117.9	295.4	3.347	-26.588
6	-.049	-.012	29.1	-106.7	293.6	6.661	-22.989
7	-.065	-.013	44.1	-95.0	291.8	9.689	-19.754
8	-.082	-.014	59.1	-83.0	289.9	12.528	-17.013
9	-.100	-.015	73.8	-70.6	288.1	15.373	-14.782
10	-.119	-.014	88.3	-58.0	286.3	18.659	-12.699

EXCENTRICIDADES RESULTANTES CABEZA -.202468578931 .308439150289
EXCENTRICIDADES 1 ORDEN CABEZA -.202584701362 .308417743626

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-59.9	-164.3	304.5	-18.216	-47.162
1	-.002	-.001	-45.6	-156.7	302.6	-12.969	-42.400
2	-.006	-.002	-31.0	-148.1	300.8	-8.466	-38.414
3	-.014	-.004	-16.2	-138.7	299.0	-4.230	-34.406
4	-.024	-.007	-1.1	-128.7	297.2	-.285	-30.440
5	-.036	-.009	14.0	-118.0	295.4	3.347	-26.600
6	-.049	-.012	29.1	-106.7	293.6	6.661	-22.999
7	-.065	-.013	44.1	-95.1	291.8	9.692	-19.769
8	-.082	-.014	59.1	-83.0	289.9	12.529	-17.020
9	-.100	-.015	73.8	-70.6	288.1	15.375	-14.788
10	-.119	-.014	88.3	-58.0	286.3	18.660	-12.704

EXCENTRICIDADES RESULTANTES CABEZA -.202527487016 .308431192404

EXCENTRICIDADES 1 ORDEN CABEZA -.202584701362 .308417743626

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-59.9	-164.3	304.5	-18.230	-47.192
1	-.002	-.001	-45.6	-156.7	302.6	-12.971	-42.407
2	-.006	-.002	-31.0	-148.1	300.8	-8.469	-38.430
3	-.014	-.004	-16.2	-138.7	299.0	-4.231	-34.421
4	-.024	-.007	-1.1	-128.7	297.2	-.286	-30.454
5	-.036	-.009	14.0	-118.0	295.4	3.347	-26.612
6	-.049	-.012	29.1	-106.7	293.6	6.662	-23.003
7	-.065	-.013	44.1	-95.1	291.8	9.693	-19.774
8	-.082	-.014	59.1	-83.0	289.9	12.533	-17.028
9	-.100	-.015	73.8	-70.6	288.1	15.376	-14.790
10	-.119	-.014	88.3	-58.0	286.3	18.660	-12.705

EXCENTRICIDADES RESULTANTES CABEZA -.202539426923 .308425984509
EXCENTRICIDADES 1 ORDEN CABEZA -.202584701362 .308417743626

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-59.9	-164.3	304.5	-18.237	-47.205
1	-.002	-.001	-45.7	-156.7	302.6	-12.974	-42.422
2	-.006	-.002	-31.0	-148.1	300.8	-8.470	-38.436
3	-.014	-.004	-16.2	-138.8	299.0	-4.232	-34.427
4	-.024	-.007	-1.1	-128.7	297.2	-.286	-30.459
5	-.036	-.009	14.0	-118.0	295.4	3.347	-26.617
6	-.049	-.012	29.1	-106.8	293.6	6.663	-23.014
7	-.065	-.013	44.1	-95.1	291.8	9.693	-19.777
8	-.082	-.014	59.1	-83.0	289.9	12.534	-17.031
9	-.100	-.015	73.8	-70.6	288.1	15.376	-14.791
10	-.119	-.014	88.3	-58.0	286.3	18.660	-12.706

EXCENTRICIDADES RESULTANTES CABEZA -.202556794178 .308422877777
EXCENTRICIDADES 1 ORDEN CABEZA -.202584701362 .308417743626
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 13 TANTEO 0

Fpx= 5 t Fpy= -6.6 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	1.1	3.7	359.5	.144	.484
1	0.000	0.000	5.9	-.6	357.6	.780	.484
2	0.000	0.000	10.8	-4.8	355.8	1.424	-.632
3	0.000	0.000	15.7	-9.0	354.0	2.073	-1.188
4	-0.000	.001	20.6	-13.2	352.2	2.724	-1.740
5	-0.000	.001	25.6	-17.3	350.4	3.377	-2.286
6	-.001	.002	30.5	-21.4	348.6	4.029	-2.824
7	-.001	.003	35.4	-25.4	346.8	4.681	-3.355
8	-.002	.004	40.3	-29.3	344.9	5.364	-3.911
9	-.003	.006	45.2	-33.2	343.1	6.107	-4.516
10	-.004	.008	50.0	-36.9	341.3	6.920	-5.177

EXCENTRICIDADES RESULTANTES CABEZA -.108103456601 .146358933563
EXCENTRICIDADES 1 ORDEN CABEZA -.112510987401 .154409610314

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	4.0	2.1	359.5	.531	.272
1	0.000	0.000	8.8	-2.1	357.6	1.165	-.284
2	-0.000	0.000	13.6	-6.3	355.8	1.804	-.838
3	-0.000	0.000	18.5	-10.5	354.0	2.448	-1.390
4	-0.000	.001	23.4	-14.6	352.2	3.093	-1.937
5	-.001	.001	28.3	-18.7	350.4	3.739	-2.477
6	-.001	.002	33.2	-22.8	348.6	4.384	-3.010
7	-.002	.003	38.0	-26.7	346.8	5.058	-3.564
8	-.003	.005	42.8	-30.6	344.9	5.788	-4.164
9	-.004	.007	47.6	-34.4	343.1	6.586	-4.818
10	-.005	.009	52.2	-38.0	341.3	7.457	-5.528

EXCENTRICIDADES RESULTANTES CABEZA -.111426205357 .153067917172

EXCENTRICIDADES 1 ORDEN CABEZA -.112510987401 .154409610314

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	4.4	1.7	359.5	.577	.230
1	0.000	0.000	9.2	-2.5	357.6	1.213	-.327
2	-0.000	0.000	14.0	-6.7	355.8	1.854	-.882
3	-0.000	0.000	18.9	-10.8	354.0	2.498	-1.434
4	-0.000	.001	23.8	-15.0	352.2	3.145	-1.981
5	-.001	.001	28.7	-19.1	350.4	3.792	-2.522
6	-.001	.002	33.6	-23.1	348.6	4.446	-3.063
7	-.002	.004	38.4	-27.1	346.8	5.145	-3.640
8	-.003	.005	43.2	-30.9	344.9	5.908	-4.271
9	-.004	.007	48.0	-34.7	343.1	6.744	-4.958
10	-.006	.010	52.6	-38.3	341.3	7.653	-5.700

EXCENTRICIDADES RESULTANTES CABEZA -.1123312591 .15420496991
EXCENTRICIDADES 1 ORDEN CABEZA -.112510987401 .154409610314

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	4.4	1.7	359.5	.584	.224
1	0.000	0.000	9.2	-2.5	357.6	1.220	-.333
2	-0.000	0.000	14.1	-6.7	355.8	1.861	-.889
3	-0.000	0.000	18.9	-10.9	354.0	2.506	-1.441
4	-0.000	.001	23.8	-15.0	352.2	3.153	-1.988
5	-.001	.001	28.7	-19.1	350.4	3.800	-2.528
6	-.001	.002	33.6	-23.2	348.6	4.457	-3.072
7	-.002	.004	38.5	-27.1	346.8	5.164	-3.657
8	-.003	.005	43.3	-31.0	344.9	5.940	-4.299
9	-.004	.007	48.0	-34.7	343.1	6.793	-5.000
10	-.006	.010	52.7	-38.4	341.3	7.722	-5.758

EXCENTRICIDADES RESULTANTES CABEZA -.112478911088 .154373729717
EXCENTRICIDADES 1 ORDEN CABEZA -.112510987401 .154409610314

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	4.4	1.7	359.5	.586	.223
1	0.000	0.000	9.2	-2.5	357.6	1.221	-.334
2	-0.000	0.000	14.1	-6.7	355.8	1.863	-.890
3	-0.000	0.000	19.0	-10.9	354.0	2.507	-1.442
4	-0.000	.001	23.9	-15.0	352.2	3.154	-1.989
5	-.001	.001	28.8	-19.1	350.4	3.801	-2.530
6	-.001	.002	33.6	-23.2	348.6	4.459	-3.074
7	-.002	.004	38.5	-27.1	346.8	5.167	-3.661
8	-.003	.005	43.3	-31.0	344.9	5.948	-4.306
9	-.004	.007	48.0	-34.8	343.1	6.807	-5.012
10	-.006	.010	52.7	-38.4	341.3	7.745	-5.777

EXCENTRICIDADES RESULTANTES CABEZA -.112504510469 .154402339313
EXCENTRICIDADES 1 ORDEN CABEZA -.112510987401 .154409610314

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	4.4	1.7	359.5	.586	.223
1	0.000	0.000	9.2	-2.5	357.6	1.221	-.335
2	-0.000	0.000	14.1	-6.7	355.8	1.863	-.890
3	-0.000	0.000	19.0	-10.9	354.0	2.508	-1.442
4	-0.000	.001	23.9	-15.0	352.2	3.155	-1.989
5	-.001	.001	28.8	-19.1	350.4	3.802	-2.530
6	-.001	.002	33.6	-23.2	348.6	4.459	-3.075
7	-.002	.004	38.5	-27.1	346.8	5.168	-3.662
8	-.003	.005	43.3	-31.0	344.9	5.950	-4.307
9	-.004	.007	48.0	-34.8	343.1	6.811	-5.016
10	-.006	.010	52.7	-38.4	341.3	7.751	-5.783

EXCENTRICIDADES RESULTANTES CABEZA -.112509563796 .154408000009
EXCENTRICIDADES 1 ORDEN CABEZA -.112510987401 .154409610314
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 14 TANTEO 0

Fpx= -8.5 t Fpy= -3.2 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	.6	-97.6	245.8	.085	-18.100
1	-.001	0.000	2.5	-90.3	243.9	.551	-18.514
2	-.003	0.000	4.6	-82.7	242.1	.999	-17.152
3	-.006	0.000	6.6	-74.8	240.3	1.423	-15.083
4	-.010	0.000	8.8	-66.6	238.5	1.806	-12.791
5	-.015	.001	10.9	-58.3	236.7	2.138	-10.491
6	-.021	.001	13.2	-49.8	234.9	2.407	-8.304
7	-.027	.002	15.4	-41.2	233.1	2.598	-6.311
8	-.034	.003	17.7	-32.5	231.2	2.701	-4.602
9	-.042	.004	20.1	-23.7	229.4	2.773	-3.189
10	-.049	.005	22.5	-14.9	227.6	2.929	-1.940

EXCENTRICIDADES RESULTANTES CABEZA -.0655704901319 .098709580171
EXCENTRICIDADES 1 ORDEN CABEZA -.114235500879 .103690685413

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	1.8	-109.8	245.8	.396	-22.467
1	-.001	0.000	3.8	-102.4	243.9	.825	-21.194
2	-.003	0.000	5.8	-94.6	242.1	1.235	-19.038
3	-.007	0.000	7.8	-86.5	240.3	1.610	-16.562
4	-.012	.001	9.9	-78.1	238.5	1.937	-14.027
5	-.017	.001	12.1	-69.5	236.7	2.205	-11.561
6	-.024	.002	14.3	-60.7	234.9	2.400	-9.284
7	-.031	.002	16.5	-51.8	233.1	2.509	-7.322
8	-.039	.003	18.8	-42.7	231.2	2.591	-5.735
9	-.047	.004	21.1	-33.6	229.4	2.751	-4.366
10	-.056	.006	23.5	-24.5	227.6	2.990	-3.123

EXCENTRICIDADES RESULTANTES CABEZA -.107547311074 .103138965362
EXCENTRICIDADES 1 ORDEN CABEZA -.114235500879 .103690685413

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	1.9	-110.7	245.8	.437	-24.659
1	-.001	0.000	3.8	-103.3	243.9	.876	-22.552
2	-.003	0.000	5.8	-95.5	242.1	1.293	-20.054
3	-.007	0.000	7.9	-87.4	240.3	1.676	-17.408
4	-.012	.001	10.0	-79.1	238.5	2.015	-14.754
5	-.019	.001	12.2	-70.4	236.7	2.297	-12.190
6	-.026	.002	14.4	-61.6	234.9	2.514	-9.819
7	-.033	.002	16.6	-52.7	233.1	2.668	-7.751
8	-.042	.003	18.9	-43.6	231.2	2.774	-6.046
9	-.050	.004	21.2	-34.4	229.4	2.893	-4.602
10	-.059	.006	23.5	-25.2	227.6	3.077	-3.292

EXCENTRICIDADES RESULTANTES CABEZA -.11076875517 .10341009351
EXCENTRICIDADES 1 ORDEN CABEZA -.114235500879 .103690685413

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	1.9	-111.4	245.8	.465	-25.715
1	-.001	0.000	3.9	-104.0	243.9	.908	-23.274
2	-.003	0.000	5.9	-96.3	242.1	1.329	-20.632
3	-.007	0.000	8.0	-88.2	240.3	1.717	-17.911
4	-.013	.001	10.1	-79.7	238.5	2.062	-15.197
5	-.019	.001	12.2	-71.1	236.7	2.351	-12.574
6	-.026	.002	14.4	-62.2	234.9	2.576	-10.139
7	-.034	.002	16.7	-53.2	233.1	2.735	-7.994
8	-.043	.003	18.9	-44.1	231.2	2.838	-6.210
9	-.052	.005	21.2	-34.8	229.4	2.942	-4.710
10	-.061	.006	23.6	-25.6	227.6	3.104	-3.361

EXCENTRICIDADES RESULTANTES CABEZA -.112329430496 .103537194
EXCENTRICIDADES 1 ORDEN CABEZA -.114235500879 .103690685413

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	2.0	-111.8	245.8	.479	-26.221
1	-.001	0.000	3.9	-104.5	243.9	.925	-23.650
2	-.004	0.000	5.9	-96.7	242.1	1.349	-20.953
3	-.008	0.000	8.0	-88.5	240.3	1.740	-18.200
4	-.013	.001	10.1	-80.1	238.5	2.089	-15.458
5	-.019	.001	12.3	-71.4	236.7	2.382	-12.802
6	-.027	.002	14.5	-62.5	234.9	2.611	-10.325
7	-.035	.002	16.7	-53.5	233.1	2.772	-8.130
8	-.044	.003	19.0	-44.3	231.2	2.871	-6.296
9	-.053	.005	21.3	-35.1	229.4	2.964	-4.764
10	-.062	.006	23.6	-25.8	227.6	3.115	-3.396

EXCENTRICIDADES RESULTANTES CABEZA -.113203228794 .103605203172
EXCENTRICIDADES 1 ORDEN CABEZA -.114235500879 .103690685413

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	2.0	-112.1	245.8	.487	-26.464
1	-.001	0.000	3.9	-104.7	243.9	.934	-23.847
2	-.004	0.000	5.9	-96.9	242.1	1.360	-21.128
3	-.008	0.000	8.0	-88.8	240.3	1.753	-18.362
4	-.013	.001	10.1	-80.3	238.5	2.104	-15.607
5	-.020	.001	12.3	-71.6	236.7	2.401	-12.933
6	-.027	.002	14.5	-62.7	234.9	2.632	-10.432
7	-.035	.002	16.7	-53.7	233.1	2.792	-8.206
8	-.044	.003	19.0	-44.5	231.2	2.888	-6.341
9	-.053	.005	21.3	-35.2	229.4	2.974	-4.791
10	-.063	.006	23.6	-25.9	227.6	3.121	-3.414

EXCENTRICIDADES RESULTANTES CABEZA -.113680937216 .103643192245
EXCENTRICIDADES 1 ORDEN CABEZA -.114235500879 .103690685413

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	2.0	-112.2	245.8	.491	-26.583
1	-.001	0.000	3.9	-104.8	243.9	.939	-23.949
2	-.004	0.000	6.0	-97.0	242.1	1.366	-21.223
3	-.008	0.000	8.0	-88.9	240.3	1.761	-18.452
4	-.013	.001	10.1	-80.4	238.5	2.113	-15.690
5	-.020	.001	12.3	-71.7	236.7	2.411	-13.007
6	-.027	.002	14.5	-62.8	234.9	2.643	-10.492
7	-.035	.002	16.7	-53.7	233.1	2.804	-8.248
8	-.044	.003	19.0	-44.6	231.2	2.898	-6.366
9	-.053	.005	21.3	-35.3	229.4	2.981	-4.807
10	-.063	.006	23.6	-25.9	227.6	3.125	-3.424

EXCENTRICIDADES RESULTANTES CABEZA -.113938450425 .103664354066
EXCENTRICIDADES 1 ORDEN CABEZA -.114235500879 .103690685413

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	2.0	-112.3	245.8	.493	-26.641
1	-.001	0.000	4.0	-104.9	243.9	.942	-24.002
2	-.004	0.000	6.0	-97.1	242.1	1.369	-21.274
3	-.008	0.000	8.0	-88.9	240.3	1.765	-18.501
4	-.013	.001	10.1	-80.5	238.5	2.118	-15.736
5	-.020	.001	12.3	-71.8	236.7	2.417	-13.048
6	-.027	.002	14.5	-62.9	234.9	2.649	-10.525
7	-.035	.002	16.7	-53.8	233.1	2.810	-8.271
8	-.044	.004	19.0	-44.6	231.2	2.902	-6.378
9	-.054	.005	21.3	-35.3	229.4	2.984	-4.815
10	-.063	.006	23.6	-26.0	227.6	3.126	-3.430

EXCENTRICIDADES RESULTANTES CABEZA -.114076761204 .10367632695
EXCENTRICIDADES 1 ORDEN CABEZA -.114235500879 .103690685413

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	2.0	-112.3	245.8	.494	-26.671
1	-.001	0.000	4.0	-104.9	243.9	.943	-24.030
2	-.004	0.000	6.0	-97.1	242.1	1.371	-21.302
3	-.008	0.000	8.0	-89.0	240.3	1.767	-18.528
4	-.013	.001	10.1	-80.5	238.5	2.121	-15.761
5	-.020	.001	12.3	-71.8	236.7	2.420	-13.071
6	-.027	.002	14.5	-62.9	234.9	2.653	-10.543
7	-.036	.002	16.7	-53.8	233.1	2.812	-8.281
8	-.044	.004	19.0	-44.6	231.2	2.905	-6.386
9	-.054	.005	21.3	-35.3	229.4	2.986	-4.819
10	-.063	.006	23.6	-26.0	227.6	3.127	-3.433

EXCENTRICIDADES RESULTANTES CABEZA -.114150899033 .103682898589
EXCENTRICIDADES 1 ORDEN CABEZA -.114235500879 .103690685413

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y

0	0.000	0.000	2.0	-112.3	245.8	.495	-26.687
1	-.001	0.000	4.0	-104.9	243.9	.944	-24.045
2	-.004	0.000	6.0	-97.1	242.1	1.372	-21.316
3	-.008	0.000	8.0	-89.0	240.3	1.768	-18.542
4	-.013	.001	10.1	-80.5	238.5	2.122	-15.770
5	-.020	.001	12.3	-71.8	236.7	2.421	-13.079
6	-.027	.002	14.5	-62.9	234.9	2.654	-10.551
7	-.036	.002	16.7	-53.8	233.1	2.815	-8.290
8	-.044	.004	19.0	-44.6	231.2	2.906	-6.390
9	-.054	.005	21.3	-35.3	229.4	2.986	-4.822
10	-.063	.006	23.6	-26.0	227.6	3.128	-3.434

EXCENTRICIDADES RESULTANTES CABEZA -.114194322089 .103686867306
EXCENTRICIDADES 1 ORDEN CABEZA -.114235500879 .103690685413
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 15 TANTEO 0

Fpx= -7.9 t Fpy= -7.6 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-22.5	-95.9	235.5	-4.559	-18.093
1	-.001	-0.000	-16.1	-88.4	233.6	-3.552	-18.566
2	-.003	-.001	-9.6	-80.6	231.8	-2.139	-17.086
3	-.006	-.001	-3.1	-72.7	230.0	-.671	-14.891
4	-.010	-.002	3.4	-64.6	228.2	.710	-12.521
5	-.015	-.002	9.9	-56.4	226.4	1.947	-10.201
6	-.021	-.003	16.4	-48.1	224.6	3.006	-8.056
7	-.027	-.003	22.9	-39.8	222.8	3.864	-6.181
8	-.034	-.003	29.2	-31.5	220.9	4.529	-4.661
9	-.041	-.003	35.5	-23.3	219.1	5.180	-3.383
10	-.049	-.002	41.8	-15.0	217.3	5.905	-2.198

EXCENTRICIDADES RESULTANTES CABEZA -.0690895430056 .192173395263
EXCENTRICIDADES 1 ORDEN CABEZA -.1173492867 .190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-23.0	-107.6	235.5	-5.055	-22.536
1	-.001	-0.000	-16.5	-99.9	233.6	-3.667	-21.117
2	-.003	-.001	-10.0	-92.0	231.8	-2.166	-18.794
3	-.007	-.001	-3.5	-83.8	230.0	-.722	-16.206
4	-.011	-.002	3.0	-75.5	228.2	.596	-13.621
5	-.017	-.002	9.6	-67.1	226.4	1.749	-11.194
6	-.024	-.003	16.1	-58.5	224.6	2.712	-9.057
7	-.031	-.003	22.5	-49.9	222.8	3.483	-7.362
8	-.039	-.003	28.9	-41.3	220.9	4.210	-5.991
9	-.047	-.003	35.3	-32.7	219.1	4.979	-4.769
10	-.055	-.002	41.5	-24.1	217.3	5.826	-3.643

EXCENTRICIDADES RESULTANTES CABEZA -.110898485968 .191150539383
EXCENTRICIDADES 1 ORDEN CABEZA -.1173492867 .190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-23.1	-108.3	235.5	-5.445	-24.661
1	-.001	-0.000	-16.6	-100.7	233.6	-3.846	-22.351
2	-.003	-.001	-10.1	-92.8	231.8	-2.259	-19.689
3	-.007	-.001	-3.6	-84.7	230.0	-.766	-16.946
4	-.012	-.002	2.9	-76.4	228.2	.592	-14.265
5	-.018	-.003	9.5	-67.9	226.4	1.788	-11.761
6	-.025	-.003	16.0	-59.4	224.6	2.810	-9.546
7	-.033	-.003	22.5	-50.7	222.8	3.682	-7.725
8	-.041	-.003	28.9	-42.1	220.9	4.446	-6.257
9	-.049	-.003	35.2	-33.4	219.1	5.211	-4.973
10	-.058	-.003	41.4	-24.8	217.3	6.038	-3.780

EXCENTRICIDADES RESULTANTES CABEZA -.114198466412 .190714691574
EXCENTRICIDADES 1 ORDEN CABEZA -.1173492867 .190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-23.1	-108.9	235.5	-5.609	-25.646
1	-.001	-0.000	-16.7	-101.3	233.6	-3.924	-22.989
2	-.003	-.001	-10.2	-93.4	231.8	-2.301	-20.191
3	-.007	-.001	-3.6	-85.3	230.0	-.784	-17.381
4	-.013	-.002	2.9	-77.0	228.2	.595	-14.653
5	-.019	-.003	9.5	-68.5	226.4	1.814	-12.102
6	-.026	-.003	16.0	-59.9	224.6	2.860	-9.832
7	-.034	-.004	22.4	-51.2	222.8	3.747	-7.940
8	-.042	-.004	28.8	-42.5	220.9	4.518	-6.422
9	-.051	-.003	35.2	-33.8	219.1	5.282	-5.103
0	-.060	-.003	41.4	-25.1	217.3	6.105	-3.880

CENTRICIDADES RESULTANTES CABEZA -.115650499228 .190606350284
CENTRICIDADES 1 ORDEN CABEZA -.1173492867 .190520018408

c.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-23.1	-109.3	235.5	-5.682	-26.099
1	-.001	-0.000	-16.7	-101.7	233.6	-3.963	-23.314
2	-.003	-.001	-10.2	-93.8	231.8	-2.323	-20.466
3	-.008	-.001	-3.7	-85.6	230.0	-.794	-17.630
4	-.013	-.002	2.9	-77.3	228.2	.598	-14.879
5	-.019	-.003	9.4	-68.8	226.4	1.830	-12.301
6	-.026	-.003	16.0	-60.1	224.6	2.889	-9.995
7	-.034	-.004	22.4	-51.5	222.8	3.784	-8.057
8	-.043	-.004	28.8	-42.7	220.9	4.558	-6.504
9	-.052	-.003	35.2	-34.0	219.1	5.319	-5.165
0	-.061	-.003	41.4	-25.3	217.3	6.137	-3.926

CENTRICIDADES RESULTANTES CABEZA -.116450347158 .190557112314
CENTRICIDADES 1 ORDEN CABEZA -.1173492867 .190520018408

c.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-23.1	-109.5	235.5	-5.715	-26.309
1	-.001	-0.000	-16.7	-101.9	233.6	-3.982	-23.479
2	-.004	-.001	-10.2	-94.0	231.8	-2.335	-20.613
3	-.008	-.001	-3.7	-85.8	230.0	-.799	-17.767
4	-.013	-.002	2.9	-77.4	228.2	.600	-15.007
5	-.019	-.003	9.4	-68.9	226.4	1.839	-12.414
6	-.026	-.003	15.9	-60.3	224.6	2.905	-10.087
7	-.034	-.004	22.4	-51.6	222.8	3.804	-8.121
8	-.043	-.004	28.8	-42.9	220.9	4.578	-6.547
9	-.052	-.003	35.2	-34.1	219.1	5.337	-5.197
0	-.061	-.003	41.4	-25.4	217.3	6.151	-3.949

CENTRICIDADES RESULTANTES CABEZA -.116876637943 .190535735637
CENTRICIDADES 1 ORDEN CABEZA -.1173492867 .190520018408

c.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-23.1	-109.6	235.5	-5.730	-26.408
1	-.001	-0.000	-16.7	-102.0	233.6	-3.991	-23.563
2	-.004	-.001	-10.2	-94.1	231.8	-2.340	-20.692
3	-.008	-.001	-3.7	-85.9	230.0	-.802	-17.842
4	-.013	-.002	2.9	-77.5	228.2	.601	-15.077
5	-.019	-.003	9.4	-69.0	226.4	1.844	-12.476
6	-.027	-.003	15.9	-60.4	224.6	2.914	-10.137
7	-.035	-.004	22.4	-51.7	222.8	3.815	-8.156
8	-.043	-.004	28.8	-42.9	220.9	4.588	-6.569
9	-.052	-.003	35.2	-34.2	219.1	5.346	-5.213
0	-.062	-.003	41.4	-25.4	217.3	6.157	-3.960

CENTRICIDADES RESULTANTES CABEZA -.117101402372 .190526520204
CENTRICIDADES 1 ORDEN CABEZA -.1173492867 .190520018408

c.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-23.1	-109.6	235.5	-5.737	-26.456
1	-.001	-0.000	-16.7	-102.0	233.6	-3.996	-23.606
2	-.004	-.001	-10.2	-94.1	231.8	-2.344	-20.733
3	-.008	-.001	-3.7	-86.0	230.0	-.803	-17.883
4	-.013	-.002	2.9	-77.6	228.2	.602	-15.116
5	-.019	-.003	9.4	-69.1	226.4	1.847	-12.510
6	-.027	-.003	15.9	-60.4	224.6	2.919	-10.164
7	-.035	-.004	22.4	-51.7	222.8	3.821	-8.174

8	-.043	-.004	28.8	-43.0	220.9	4.593	-6.580
9	-.052	-.003	35.2	-34.2	219.1	5.349	-5.220
10	-.062	-.003	41.4	-25.5	217.3	6.162	-3.967

EXCENTRICIDADES RESULTANTES CABEZA -.117219598012 .190522898457
EXCENTRICIDADES 1 ORDEN CABEZA -.1173492867 .190520018408

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-23.1	-109.7	235.5	-5.740	-26.480
1	-.001	-0.000	-16.7	-102.1	233.6	-3.998	-23.629
2	-.004	-.001	-10.2	-94.1	231.8	-2.345	-20.755
3	-.008	-.001	-3.7	-86.0	230.0	-.804	-17.904
4	-.013	-.002	2.9	-77.6	228.2	.602	-15.136
5	-.019	-.003	9.4	-69.1	226.4	1.849	-12.529
6	-.027	-.003	15.9	-60.4	224.6	2.922	-10.179
7	-.035	-.004	22.4	-51.7	222.8	3.824	-8.182
8	-.043	-.004	28.8	-43.0	220.9	4.596	-6.587
9	-.052	-.003	35.2	-34.2	219.1	5.351	-5.224
10	-.062	-.003	41.4	-25.5	217.3	6.164	-3.970

EXCENTRICIDADES RESULTANTES CABEZA -.117281490463 .190521257869
EXCENTRICIDADES 1 ORDEN CABEZA -.1173492867 .190520018408
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 16 TANTEO 0

Fpx= -7.9 t Fpy= -13.2 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-35.5	-120.1	336.9	-7.187	-22.156
1	-.001	-0.000	-24.4	-112.5	335.0	-5.382	-22.990
2	-.003	-.001	-13.0	-104.4	333.2	-2.917	-21.524
3	-.007	-.002	-1.7	-95.9	331.4	-.364	-19.143
4	-.012	-.003	9.7	-87.0	329.6	2.027	-16.508
5	-.019	-.003	21.0	-77.8	327.8	4.165	-13.930
6	-.026	-.004	32.3	-68.5	326.0	6.019	-11.579
7	-.035	-.004	43.4	-58.9	324.2	7.594	-9.573
8	-.044	-.003	54.3	-49.3	322.3	9.000	-7.940
9	-.053	-.002	65.0	-39.6	320.5	10.483	-6.476
10	-.063	-0.000	75.5	-29.8	318.7	12.115	-5.055

EXCENTRICIDADES RESULTANTES CABEZA -.0933561906566 .236930358698
EXCENTRICIDADES 1 ORDEN CABEZA -.15594603075 .236899905868

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-35.6	-141.6	336.9	-7.856	-28.886
1	-.001	-0.000	-24.4	-133.8	335.0	-5.449	-27.530
2	-.004	-.001	-13.1	-125.3	333.2	-2.847	-24.982
3	-.009	-.002	-1.7	-116.4	331.4	-.352	-22.052
4	-.015	-.003	9.7	-107.1	329.6	1.918	-19.129
5	-.023	-.003	21.1	-97.4	327.8	3.920	-16.443
6	-.031	-.004	32.3	-87.4	326.0	5.648	-14.180
7	-.041	-.004	43.4	-77.2	324.2	7.189	-12.424
8	-.052	-.004	54.4	-66.8	322.3	8.758	-10.922
9	-.063	-.003	65.2	-56.3	320.5	10.439	-9.546
10	-.076	-.001	75.7	-45.7	318.7	12.367	-8.146

EXCENTRICIDADES RESULTANTES CABEZA -.143298692361 .237495045281
EXCENTRICIDADES 1 ORDEN CABEZA -.15594603075 .236899905868

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-35.8	-144.8	336.9	-8.699	-32.819
1	-.001	-0.000	-24.6	-137.0	335.0	-5.861	-30.312
2	-.004	-.001	-13.2	-128.6	333.2	-3.045	-27.258
3	-.010	-.002	-1.8	-119.6	331.4	-.403	-24.055
4	-.017	-.003	9.6	-110.2	329.6	2.001	-20.931
5	-.025	-.004	21.0	-100.3	327.8	4.151	-18.049
6	-.035	-.004	32.2	-90.1	326.0	6.071	-15.538
7	-.046	-.004	43.4	-79.7	324.2	7.831	-13.450
8	-.057	-.004	54.3	-69.0	322.3	9.482	-11.697
9	-.070	-.003	65.1	-58.2	320.5	11.166	-10.118
10	-.083	-.001	75.6	-47.3	318.7	13.010	-8.606

EXCENTRICIDADES RESULTANTES CABEZA -.148419879681 .237071081386
EXCENTRICIDADES 1 ORDEN CABEZA -.15594603075 .236899905868

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-35.8	-147.2	336.9	-9.134	-35.089
1	-.001	-0.000	-24.6	-139.4	335.0	-6.084	-32.054
2	-.005	-.001	-13.3	-130.9	333.2	-3.152	-28.757
3	-.010	-.002	-1.9	-121.8	331.4	-.422	-25.406
4	-.018	-.003	9.6	-112.2	329.6	2.066	-22.151
5	-.027	-.004	21.0	-102.2	327.8	4.297	-19.121
6	-.037	-.004	32.2	-91.9	326.0	6.288	-16.433
7	-.048	-.005	43.4	-81.2	324.2	8.085	-14.157
8	-.061	-.004	54.3	-70.4	322.3	9.750	-12.261
9	-.074	-.003	65.1	-59.3	320.5	11.432	-10.572
10	-.088	-.001	75.5	-48.2	318.7	13.277	-8.942

EXCENTRICIDADES RESULTANTES CABEZA -.151105180933 .2370145228
EXCENTRICIDADES 1 ORDEN CABEZA -.15594603075 .236899905868

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-35.9	-148.7	336.9	-9.376	-36.393
1	-.001	-0.000	-24.7	-140.9	335.0	-6.220	-33.131
2	-.005	-.001	-13.3	-132.4	333.2	-3.222	-29.722
3	-.011	-.002	-1.9	-123.2	331.4	-.435	-26.293
4	-.018	-.003	9.6	-113.6	329.6	2.106	-22.957
5	-.027	-.004	21.0	-103.5	327.8	4.388	-19.826
6	-.038	-.005	32.2	-93.0	326.0	6.421	-17.014
7	-.050	-.005	43.4	-82.2	324.2	8.244	-14.600
8	-.063	-.004	54.3	-71.2	322.3	9.919	-12.590
9	-.077	-.003	65.1	-60.1	320.5	11.591	-10.821
10	-.091	-.001	75.5	-48.7	318.7	13.417	-9.128

EXCENTRICIDADES RESULTANTES CABEZA -.15290054778 .236962073056
EXCENTRICIDADES 1 ORDEN CABEZA -.15594603075 .236899905868

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-35.9	-149.7	336.9	-9.513	-37.149
1	-.001	-0.000	-24.7	-141.9	335.0	-6.302	-33.792
2	-.005	-.001	-13.3	-133.3	333.2	-3.265	-30.332
3	-.011	-.002	-1.9	-124.1	331.4	-.443	-26.862
4	-.019	-.003	9.6	-114.4	329.6	2.133	-23.477
5	-.028	-.004	20.9	-104.3	327.8	4.447	-20.281
6	-.039	-.005	32.2	-93.7	326.0	6.505	-17.387
7	-.051	-.005	43.4	-82.9	324.2	8.341	-14.881
8	-.064	-.004	54.3	-71.8	322.3	10.018	-12.795
9	-.078	-.003	65.1	-60.5	320.5	11.680	-10.974
10	-.093	-.001	75.5	-49.1	318.7	13.492	-9.239

EXCENTRICIDADES RESULTANTES CABEZA -.154045028635 .236932130423
EXCENTRICIDADES 1 ORDEN CABEZA -.15594603075 .236899905868

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-35.9	-150.3	336.9	-9.591	-37.594
1	-.001	-0.000	-24.7	-142.5	335.0	-6.351	-34.197
2	-.005	-.001	-13.3	-133.9	333.2	-3.291	-30.714
3	-.011	-.002	-1.9	-124.7	331.4	-.448	-27.221
4	-.019	-.003	9.6	-115.0	329.6	2.150	-23.807
5	-.028	-.004	20.9	-104.7	327.8	4.484	-20.571
6	-.039	-.005	32.2	-94.2	326.0	6.558	-17.623
7	-.052	-.005	43.4	-83.3	324.2	8.401	-15.058
8	-.065	-.004	54.3	-72.1	322.3	10.078	-12.922
9	-.079	-.003	65.0	-60.8	320.5	11.733	-11.067
10	-.094	-.001	75.5	-49.3	318.7	13.534	-9.305

EXCENTRICIDADES RESULTANTES CABEZA -.154765586494 .236915558291
EXCENTRICIDADES 1 ORDEN CABEZA -.15594603075 .236899905868

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-35.9	-150.7	336.9	-9.636	-37.859
1	-.001	-0.000	-24.7	-142.8	335.0	-6.380	-34.445

2	-.005	-.001	-13.3	-134.3	333.2	-3.307	-30.951
3	-.011	-.002	-1.9	-125.1	331.4	-.450	-27.446
4	-.019	-.003	9.6	-115.3	329.6	2.160	-24.014
5	-.029	-.004	21.0	-105.1	327.8	4.508	-20.753
6	-.040	-.005	32.2	-94.4	326.0	6.591	-17.772
7	-.052	-.005	43.4	-83.5	324.2	8.439	-15.170
8	-.065	-.004	54.3	-72.3	322.3	10.115	-13.000
9	-.080	-.003	65.0	-61.0	320.5	11.765	-11.124
10	-.095	-.001	75.5	-49.5	318.7	13.559	-9.346

EXCENTRICIDADES RESULTANTES CABEZA -.155215101928 .236907188081
EXCENTRICIDADES 1 ORDEN CABEZA -.15594603075 .236899905868

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-35.9	-150.9	336.9	-9.663	-38.019
1	-.001	-0.000	-24.7	-143.1	335.0	-6.398	-34.598
2	-.005	-.001	-13.3	-134.5	333.2	-3.317	-31.098
3	-.011	-.002	-1.9	-125.3	331.4	-.452	-27.586
4	-.019	-.003	9.6	-115.5	329.6	2.167	-24.143
5	-.029	-.004	21.0	-105.2	327.8	4.522	-20.867
6	-.040	-.005	32.2	-94.6	326.0	6.612	-17.865
7	-.052	-.005	43.4	-83.7	324.2	8.463	-15.239
8	-.066	-.004	54.3	-72.5	322.3	10.138	-13.049
9	-.080	-.003	65.0	-61.1	320.5	11.785	-11.159
10	-.095	-.001	75.5	-49.6	318.7	13.571	-9.368

EXCENTRICIDADES RESULTANTES CABEZA -.155494207825 .236903174745
EXCENTRICIDADES 1 ORDEN CABEZA -.15594603075 .236899905868

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-35.9	-151.0	336.9	-9.679	-38.116
1	-.001	-0.000	-24.7	-143.2	335.0	-6.409	-34.692
2	-.005	-.001	-13.3	-134.6	333.2	-3.323	-31.188
3	-.011	-.002	-1.9	-125.4	331.4	-.453	-27.672
4	-.019	-.003	9.6	-115.6	329.6	2.172	-24.224
5	-.029	-.004	21.0	-105.4	327.8	4.532	-20.938
6	-.040	-.005	32.2	-94.7	326.0	6.625	-17.924
7	-.052	-.005	43.4	-83.8	324.2	8.478	-15.283
8	-.066	-.004	54.3	-72.6	322.3	10.153	-13.080
9	-.080	-.003	65.0	-61.2	320.5	11.794	-11.178
10	-.096	-.001	75.5	-49.6	318.7	13.582	-9.384

EXCENTRICIDADES RESULTANTES CABEZA -.155667199637 .236901522407
EXCENTRICIDADES 1 ORDEN CABEZA -.15594603075 .236899905868

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-35.9	-151.1	336.9	-9.688	-38.175
1	-.001	-0.000	-24.7	-143.3	335.0	-6.416	-34.749
2	-.005	-.001	-13.3	-134.7	333.2	-3.326	-31.244
3	-.011	-.002	-1.9	-125.5	331.4	-.453	-27.726
4	-.019	-.003	9.6	-115.7	329.6	2.175	-24.274
5	-.029	-.004	21.0	-105.4	327.8	4.537	-20.982
6	-.040	-.005	32.2	-94.8	326.0	6.633	-17.960
7	-.052	-.005	43.4	-83.8	324.2	8.487	-15.310
8	-.066	-.004	54.3	-72.6	322.3	10.160	-13.096
9	-.080	-.003	65.0	-61.2	320.5	11.803	-11.193
10	-.096	-.001	75.5	-49.6	318.7	13.587	-9.393

EXCENTRICIDADES RESULTANTES CABEZA -.155774144111 .23690072264
EXCENTRICIDADES 1 ORDEN CABEZA -.15594603075 .236899905868

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-35.9	-151.2	336.9	-9.694	-38.211
1	-.001	-0.000	-24.7	-143.3	335.0	-6.420	-34.785
2	-.005	-.001	-13.3	-134.8	333.2	-3.328	-31.279
3	-.011	-.002	-1.9	-125.5	331.4	-.453	-27.759
4	-.019	-.003	9.6	-115.7	329.6	2.176	-24.304
5	-.029	-.004	21.0	-105.5	327.8	4.541	-21.009
6	-.040	-.005	32.2	-94.8	326.0	6.637	-17.977
7	-.053	-.005	43.4	-83.9	324.2	8.491	-15.324
8	-.066	-.004	54.3	-72.6	322.3	10.166	-13.109
9	-.081	-.003	65.0	-61.2	320.5	11.808	-11.201

10	-.096	-.001	75.5	-49.7	318.7	13.589	-9.399

EXCENTRICIDADES RESULTANTES CABEZA -.155841788355 .236900730248
EXCENTRICIDADES 1 ORDEN CABEZA -.15594603075 .236899905868
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

HIPOTESIS 17 TANTEO 0

Fpx= 5 t Fpy= -7.8 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-3.7	4.0	347.2	-.490	.522
1	0.000	-0.000	2.1	-.3	345.3	.279	.522
2	0.000	-0.000	8.0	-4.5	343.5	1.056	-.590
3	0.000	0.000	14.0	-8.7	341.7	1.839	-1.144
4	0.000	0.000	19.9	-12.9	339.9	2.625	-1.694
5	-0.000	.001	25.9	-17.0	338.1	3.414	-2.239
6	-.001	.001	31.9	-21.1	336.3	4.202	-2.776
7	-.001	.002	37.9	-25.1	334.5	4.996	-3.313
8	-.002	.004	43.9	-29.1	332.6	5.849	-3.900
9	-.003	.005	49.8	-32.9	330.8	6.793	-4.561
10	-.004	.007	55.6	-36.7	329.0	7.840	-5.301

EXCENTRICIDADES RESULTANTES CABEZA -.111536611747 .168891140771
EXCENTRICIDADES 1 ORDEN CABEZA -.115805471125 .176291793313

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-1.1	2.5	347.2	-.148	.325
1	0.000	-0.000	4.7	-1.7	345.3	.618	-.229
2	0.000	0.000	10.6	-5.9	343.5	1.392	-.782
3	-0.000	0.000	16.5	-10.1	341.7	2.170	-1.332
4	-0.000	0.000	22.4	-14.3	339.9	2.952	-1.877
5	-0.000	.001	28.4	-18.4	338.1	3.734	-2.416
6	-.001	.002	34.3	-22.4	336.3	4.522	-2.955
7	-.002	.003	40.2	-26.4	334.5	5.363	-3.537
8	-.003	.004	46.1	-30.3	332.6	6.289	-4.188
9	-.004	.006	51.9	-34.1	330.8	7.315	-4.916
10	-.005	.009	57.6	-37.8	329.0	8.449	-5.720

EXCENTRICIDADES RESULTANTES CABEZA -.114752037622 .175080937912
EXCENTRICIDADES 1 ORDEN CABEZA -.115805471125 .176291793313

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-.8	2.2	347.2	8.449	.285
1	0.000	0.000	4.9	-2.0	345.3	.645	-.269
2	0.000	.001	10.7	-6.2	343.5	1.406	-.823
3	-0.000	.001	16.5	-10.4	341.7	2.173	-1.373
4	-0.000	.002	22.3	-14.6	339.9	2.942	-1.918
5	-.001	.002	28.2	-18.7	338.1	3.714	-2.458
6	-.001	.004	34.1	-22.7	336.3	4.502	-3.009
7	-.002	.005	39.9	-26.7	334.5	5.363	-3.620
8	-.003	.007	45.7	-30.6	332.6	6.319	-4.309
9	-.004	.009	51.4	-34.4	330.8	7.380	-5.078
10	-.005	.012	57.0	-38.0	329.0	8.550	-5.920

EXCENTRICIDADES RESULTANTES CABEZA -.115628843413 .173232952128
EXCENTRICIDADES 1 ORDEN CABEZA -.115805471125 .176291793313

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	.2	2.1	347.2	8.550	.316
1	0.000	0.000	6.0	-2.1	345.3	.785	-.276
2	0.000	.001	11.7	-6.3	343.5	1.545	-.829
3	-0.000	.001	17.5	-10.5	341.7	2.310	-1.379
4	-0.000	.002	23.4	-14.6	339.9	3.077	-1.925
5	-.001	.003	29.2	-18.7	338.1	3.845	-2.465
6	-.001	.004	35.0	-22.8	336.3	4.633	-3.017
7	-.002	.005	40.8	-26.7	334.5	5.498	-3.632
8	-.003	.007	46.6	-30.6	332.6	6.466	-4.329
9	-.004	.009	52.3	-34.4	330.8	7.546	-5.108

10	-.006	.012	57.8	-38.1	329.0	8.736	-5.963	
EXCENTRICIDADES RESULTANTES CABEZA					-.115790804504			.175819064201
EXCENTRICIDADES 1 ORDEN			CABEZA		-.115805471125			.176291793313
Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y	
0	0.000	0.000	.4	2.1	347.2	8.736	.317	
1	0.000	0.000	6.1	-2.1	345.3	.801	-.276	
2	0.000	.001	11.8	-6.3	343.5	1.561	-.829	
3	-0.000	.001	17.7	-10.5	341.7	2.326	-1.380	
4	-0.000	.002	23.5	-14.6	339.9	3.093	-1.926	
5	-.001	.003	29.3	-18.7	338.1	3.862	-2.466	
6	-.001	.004	35.2	-22.8	336.3	4.655	-3.023	
7	-.002	.005	41.0	-26.7	334.5	5.527	-3.647	
8	-.003	.007	46.7	-30.6	332.6	6.504	-4.352	
9	-.004	.009	52.4	-34.4	330.8	7.594	-5.141	
10	-.006	.012	58.0	-38.1	329.0	8.796	-6.005	
EXCENTRICIDADES RESULTANTES CABEZA					-.115794525085			.176165643358
EXCENTRICIDADES 1 ORDEN			CABEZA		-.115805471125			.176291793313
Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y	
0	0.000	0.000	.4	2.1	347.2	8.796	.320	
1	0.000	0.000	6.1	-2.1	345.3	.805	-.276	
2	0.000	.001	11.9	-6.3	343.5	1.565	-.830	
3	-0.000	.001	17.7	-10.5	341.7	2.330	-1.380	
4	-0.000	.002	23.5	-14.6	339.9	3.098	-1.926	
5	-.001	.003	29.4	-18.7	338.1	3.866	-2.466	
6	-.001	.004	35.2	-22.8	336.3	4.660	-3.025	
7	-.002	.005	41.0	-26.8	334.5	5.536	-3.651	
8	-.003	.007	46.7	-30.6	332.6	6.516	-4.360	
9	-.004	.009	52.4	-34.4	330.8	7.611	-5.152	
10	-.006	.012	58.0	-38.1	329.0	8.819	-6.021	
EXCENTRICIDADES RESULTANTES CABEZA					-.115802023302			.176252856422
EXCENTRICIDADES 1 ORDEN			CABEZA		-.115805471125			.176291793313
Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y	
0	0.000	0.000	.4	2.1	347.2	8.819	.320	
1	0.000	0.000	6.1	-2.1	345.3	.807	-.276	
2	0.000	.001	11.9	-6.3	343.5	1.567	-.830	
3	-0.000	.001	17.7	-10.5	341.7	2.332	-1.380	
4	-0.000	.002	23.5	-14.6	339.9	3.099	-1.926	
5	-.001	.003	29.4	-18.7	338.1	3.868	-2.466	
6	-.001	.004	35.2	-22.8	336.3	4.662	-3.025	
7	-.002	.005	41.0	-26.8	334.5	5.538	-3.652	
8	-.003	.007	46.7	-30.6	332.6	6.520	-4.362	
9	-.004	.009	52.4	-34.4	330.8	7.617	-5.156	
10	-.006	.012	58.0	-38.1	329.0	8.827	-6.027	
EXCENTRICIDADES RESULTANTES CABEZA					-.115804396562			.176277851713
EXCENTRICIDADES 1 ORDEN			CABEZA		-.115805471125			.176291793313
Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y	
0	0.000	0.000	.4	2.1	347.2	8.827	.321	
1	0.000	0.000	6.1	-2.1	345.3	.807	-.277	
2	0.000	.001	11.9	-6.3	343.5	1.567	-.830	
3	-0.000	.001	17.7	-10.5	341.7	2.332	-1.380	
4	-0.000	.002	23.5	-14.6	339.9	3.100	-1.926	
5	-.001	.003	29.4	-18.7	338.1	3.868	-2.466	
6	-.001	.004	35.2	-22.8	336.3	4.662	-3.025	
7	-.002	.005	41.0	-26.8	334.5	5.539	-3.652	
8	-.003	.007	46.7	-30.6	332.6	6.522	-4.363	
9	-.004	.009	52.4	-34.4	330.8	7.620	-5.158	
10	-.006	.012	58.0	-38.1	329.0	8.830	-6.028	
EXCENTRICIDADES RESULTANTES CABEZA					-.115805070696			.176286931908
EXCENTRICIDADES 1 ORDEN			CABEZA		-.115805471125			.176291793313
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO								

HIPOTESIS 18 TANTEO 0

Fpx= -8.5 t Fpy= -6.9 t

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	-1.3	-129.6	325.1	-.280	-24.607
1	-.001	-0.000	3.7	-122.2	323.2	.855	-25.923
2	-.004	0.000	8.9	-114.2	321.4	2.072	-24.791
3	-.008	0.000	14.0	-105.6	319.6	3.232	-22.579
4	-.014	.001	19.2	-96.6	317.8	4.285	-19.940
5	-.022	.001	24.3	-87.1	316.0	5.210	-17.174
6	-.030	.002	29.4	-77.2	314.2	5.992	-14.440
7	-.040	.004	34.5	-67.1	312.4	6.618	-11.848
8	-.050	.006	39.5	-56.8	310.5	7.076	-9.492
9	-.062	.008	44.4	-46.3	308.7	7.396	-7.435
10	-.073	.012	49.3	-35.6	306.9	7.715	-5.570
EXCENTRICIDADES RESULTANTES CABEZA				-.115971883119			.160536116442
EXCENTRICIDADES 1 ORDEN			CABEZA	-.1889866406			.172043010753
Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	2.4	-153.8	325.1	.560	-32.567
1	-.001	0.000	7.5	-146.1	323.2	1.749	-31.673
2	-.005	0.000	12.6	-137.7	321.4	2.893	-29.397
3	-.010	.001	17.6	-128.7	319.6	3.939	-26.531
4	-.017	.001	22.7	-119.1	317.8	4.862	-23.443
5	-.026	.002	27.8	-109.0	316.0	5.646	-20.329
6	-.037	.003	32.8	-98.4	314.2	6.278	-17.332
7	-.048	.005	37.7	-87.5	312.4	6.746	-14.595
8	-.061	.008	42.6	-76.3	310.5	7.079	-12.232
9	-.075	.010	47.4	-64.8	308.7	7.411	-10.127
10	-.089	.014	52.1	-53.2	306.9	7.786	-8.196
EXCENTRICIDADES RESULTANTES CABEZA				-.173367612125			.169853980489
EXCENTRICIDADES 1 ORDEN			CABEZA	-.1889866406			.172043010753
Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	3.0	-157.7	325.1	.754	-37.381
1	-.001	0.000	8.0	-150.1	323.2	2.017	-35.263
2	-.005	0.000	13.1	-141.7	321.4	3.211	-32.399
3	-.011	.001	18.2	-132.5	319.6	4.304	-29.196
4	-.019	.001	23.3	-122.7	317.8	5.277	-25.839
5	-.029	.002	28.3	-112.4	316.0	6.115	-22.463
6	-.041	.004	33.3	-101.6	314.2	6.811	-19.187
7	-.054	.006	38.2	-90.4	312.4	7.369	-16.129
8	-.068	.008	43.0	-78.8	310.5	7.810	-13.390
9	-.083	.011	47.7	-67.0	308.7	8.140	-10.981
10	-.099	.015	52.4	-55.0	306.9	8.446	-8.811
EXCENTRICIDADES RESULTANTES CABEZA				-.179135287372			.170663822511
EXCENTRICIDADES 1 ORDEN			CABEZA	-.1889866406			.172043010753
Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	3.4	-160.7	325.1	.904	-40.166
1	-.001	0.000	8.4	-153.0	323.2	2.207	-37.489
2	-.005	0.000	13.5	-144.6	321.4	3.431	-34.360
3	-.012	.001	18.6	-135.3	319.6	4.553	-30.979
4	-.021	.001	23.6	-125.4	317.8	5.555	-27.464
5	-.031	.003	28.7	-114.8	316.0	6.421	-23.917
6	-.044	.004	33.6	-103.8	314.2	7.141	-20.446
7	-.057	.006	38.5	-92.3	312.4	7.712	-17.167
8	-.072	.009	43.3	-80.5	310.5	8.142	-14.191
9	-.088	.012	47.9	-68.4	308.7	8.446	-11.575
10	-.105	.016	52.5	-56.1	306.9	8.707	-9.241
EXCENTRICIDADES RESULTANTES CABEZA				-.182657187435			.171159975908
EXCENTRICIDADES 1 ORDEN			CABEZA	-.1889866406			.172043010753
Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	3.7	-162.6	325.1	1.003	-41.771
1	-.001	0.000	8.7	-154.9	323.2	2.329	-38.857
2	-.006	0.000	13.8	-146.4	321.4	3.574	-35.608
3	-.012	.001	18.9	-137.1	319.6	4.716	-32.136

4	-.021	.001	23.9	-127.1	317.8	5.737	-28.529
5	-.033	.003	28.9	-116.4	316.0	6.620	-24.876
6	-.045	.004	33.8	-105.2	314.2	7.354	-21.277
7	-.060	.007	38.7	-93.6	312.4	7.931	-17.846
8	-.075	.009	43.4	-81.6	310.5	8.355	-14.702
9	-.092	.013	48.1	-69.3	308.7	8.640	-11.934
10	-.109	.017	52.6	-56.8	306.9	8.863	-9.487

EXCENTRICIDADES RESULTANTES CABEZA -.185000641339 .171470318447
EXCENTRICIDADES 1 ORDEN CABEZA -.1889866406 .172043010753

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	3.8	-163.8	325.1	1.067	-42.704
1	-.002	0.000	8.9	-156.1	323.2	2.408	-39.695
2	-.006	0.000	14.0	-147.6	321.4	3.667	-36.390
3	-.013	.001	19.0	-138.2	319.6	4.822	-32.871
4	-.022	.002	24.1	-128.1	317.8	5.855	-29.211
5	-.033	.003	29.0	-117.4	316.0	6.749	-25.493
6	-.046	.004	34.0	-106.1	314.2	7.491	-21.813
7	-.061	.007	38.8	-94.4	312.4	8.070	-18.284
8	-.077	.009	43.5	-82.3	310.5	8.487	-15.031
9	-.094	.013	48.2	-69.9	308.7	8.757	-12.160
10	-.112	.017	52.7	-57.2	306.9	8.954	-9.639

EXCENTRICIDADES RESULTANTES CABEZA -.186502492993 .171674726535
EXCENTRICIDADES 1 ORDEN CABEZA -.1889866406 .172043010753

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	3.9	-164.5	325.1	1.107	-43.256
1	-.002	0.000	9.0	-156.9	323.2	2.459	-40.208
2	-.006	0.000	14.1	-148.3	321.4	3.726	-36.877
3	-.013	.001	19.1	-138.9	319.6	4.889	-33.331
4	-.022	.002	24.2	-128.8	317.8	5.930	-29.640
5	-.034	.003	29.1	-118.0	316.0	6.831	-25.883
6	-.047	.005	34.1	-106.7	314.2	7.578	-22.153
7	-.062	.007	38.9	-94.9	312.4	8.158	-18.563
8	-.078	.010	43.6	-82.7	310.5	8.571	-15.239
9	-.095	.013	48.2	-70.2	308.7	8.830	-12.302
10	-.113	.017	52.7	-57.5	306.9	9.009	-9.732

EXCENTRICIDADES RESULTANTES CABEZA -.187447336366 .171808591062
EXCENTRICIDADES 1 ORDEN CABEZA -.1889866406 .172043010753

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	4.0	-165.0	325.1	1.133	-43.586
1	-.002	0.000	9.1	-157.4	323.2	2.490	-40.521
2	-.006	0.000	14.1	-148.8	321.4	3.763	-37.177
3	-.013	.001	19.2	-139.4	319.6	4.931	-33.617
4	-.022	.002	24.2	-129.2	317.8	5.977	-29.908
5	-.034	.003	29.2	-118.4	316.0	6.883	-26.127
6	-.047	.005	34.1	-107.1	314.2	7.633	-22.367
7	-.062	.007	38.9	-95.2	312.4	8.214	-18.739
8	-.079	.010	43.6	-83.0	310.5	8.624	-15.371
9	-.096	.013	48.3	-70.5	308.7	8.875	-12.391
10	-.114	.017	52.8	-57.7	306.9	9.044	-9.790

EXCENTRICIDADES RESULTANTES CABEZA -.188035810638 .171895216473
EXCENTRICIDADES 1 ORDEN CABEZA -.1889866406 .172043010753

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	4.1	-165.3	325.1	1.149	-43.785
1	-.002	0.000	9.1	-157.6	323.2	2.510	-40.714
2	-.006	0.000	14.2	-149.1	321.4	3.786	-37.363
3	-.013	.001	19.2	-139.7	319.6	4.958	-33.794
4	-.023	.002	24.3	-129.5	317.8	6.007	-30.074
5	-.034	.003	29.2	-118.7	316.0	6.916	-26.279
6	-.048	.005	34.1	-107.3	314.2	7.667	-22.500
7	-.063	.007	39.0	-95.4	312.4	8.249	-18.848
8	-.079	.010	43.7	-83.2	310.5	8.657	-15.453
9	-.096	.013	48.3	-70.6	308.7	8.904	-12.446
10	-.115	.017	52.8	-57.8	306.9	9.065	-9.826

EXCENTRICIDADES RESULTANTES CABEZA -.188400364023 .171950529682
EXCENTRICIDADES 1 ORDEN CABEZA -.1889866406 .172043010753

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	4.1	-165.5	325.1	1.159	-43.907
1	-.002	0.000	9.1	-157.8	323.2	2.522	-40.832
2	-.006	0.000	14.2	-149.2	321.4	3.801	-37.477
3	-.013	.001	19.3	-139.8	319.6	4.974	-33.903
4	-.023	.002	24.3	-129.6	317.8	6.025	-30.176
5	-.034	.003	29.3	-118.8	316.0	6.936	-26.373
6	-.048	.005	34.2	-107.4	314.2	7.689	-22.583
7	-.063	.007	39.0	-95.5	312.4	8.271	-18.917
8	-.079	.010	43.7	-83.3	310.5	8.678	-15.505
9	-.097	.013	48.3	-70.7	308.7	8.922	-12.480
10	-.115	.017	52.8	-57.9	306.9	9.076	-9.846

EXCENTRICIDADES RESULTANTES CABEZA -.188625519293 .171985459702
EXCENTRICIDADES 1 ORDEN CABEZA -.1889866406 .172043010753

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	4.1	-165.6	325.1	1.166	-43.981
1	-.002	0.000	9.1	-157.9	323.2	2.530	-40.904
2	-.006	0.000	14.2	-149.4	321.4	3.810	-37.547
3	-.013	.001	19.3	-139.9	319.6	4.985	-33.970
4	-.023	.002	24.3	-129.7	317.8	6.037	-30.239
5	-.034	.003	29.3	-118.9	316.0	6.948	-26.431
6	-.048	.005	34.2	-107.5	314.2	7.702	-22.634
7	-.063	.007	39.0	-95.6	312.4	8.284	-18.959
8	-.079	.010	43.7	-83.3	310.5	8.690	-15.536
9	-.097	.013	48.3	-70.8	308.7	8.930	-12.499
10	-.115	.017	52.8	-57.9	306.9	9.086	-9.861

EXCENTRICIDADES RESULTANTES CABEZA -.188764573988 .172007496381
EXCENTRICIDADES 1 ORDEN CABEZA -.1889866406 .172043010753

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	4.1	-165.7	325.1	1.169	-44.027
1	-.002	0.000	9.2	-158.0	323.2	2.535	-40.949
2	-.006	0.000	14.2	-149.4	321.4	3.815	-37.591
3	-.013	.001	19.3	-140.0	319.6	4.991	-34.012
4	-.023	.002	24.3	-129.8	317.8	6.044	-30.278
5	-.034	.003	29.3	-119.0	316.0	6.956	-26.466
6	-.048	.005	34.2	-107.6	314.2	7.710	-22.665
7	-.063	.007	39.0	-95.7	312.4	8.293	-18.985
8	-.079	.010	43.7	-83.4	310.5	8.697	-15.552
9	-.097	.013	48.3	-70.8	308.7	8.939	-12.514
10	-.115	.017	52.8	-58.0	306.9	9.091	-9.869

EXCENTRICIDADES RESULTANTES CABEZA -.188850357102 .172021161615
EXCENTRICIDADES 1 ORDEN CABEZA -.1889866406 .172043010753

Sec.	flch.x	flch.y	Mom.x	Mom.y	Axil	curv.x	curv.y
0	0.000	0.000	4.1	-165.7	325.1	1.172	-44.047
1	-.002	0.000	9.2	-158.0	323.2	2.537	-40.968
2	-.006	0.000	14.2	-149.5	321.4	3.818	-37.609
3	-.013	.001	19.3	-140.0	319.6	4.994	-34.029
4	-.023	.002	24.3	-129.8	317.8	6.047	-30.295
5	-.034	.003	29.3	-119.0	316.0	6.960	-26.482
6	-.048	.005	34.2	-107.6	314.2	7.714	-22.680
7	-.063	.007	39.0	-95.7	312.4	8.297	-18.998
8	-.079	.010	43.7	-83.4	310.5	8.702	-15.568
9	-.097	.013	48.3	-70.8	308.7	8.943	-12.522
10	-.116	.018	52.8	-58.0	306.9	9.093	-9.875

EXCENTRICIDADES RESULTANTES CABEZA -.188926007261 .172031095519
EXCENTRICIDADES 1 ORDEN CABEZA -.1889866406 .172043010753
CONVERGENCIA DEL EQUILIBRIO SIN AGOTAMIENTO

CÁLCULO DE LOS ESTRIBOS DE TIERRA ARMADA DEL PASO SUPERIOR DE SAN ANTÓN

METODO DE CALCULO PARA DIMENSIONAMIENTO Y VERIFICACIÓN DE ESTRIBOS DE PUENTE EN TIERRA ARMADA CON PARAMENTO VERTICAL

TAISOFT Programa: Zarauz

Método, notaciones, resultados y salidas del programa

El calculo se realiza según la norma NF P 94-220: Refuerzo de suelos.-

Obras en terraplén reforzado por armaduras o tiras poco extensibles y flexibles.-

Dimensionamiento

Toda referencia a una norma se supone, por defecto, respecto a la norma NF P 94-220

Nota: Las letras A a H designan los capítulos de esta nota, mientras que las cifras 1 a 2.3.2. se refieren a los apartados correspondientes de la salida de resultados.

A. IDENTIFICACIÓN DEL PROYECTO

La primera pagina de la salida de resultados, presenta todos los elementos necesarios para identificar el proyecto y el cálculo.

B. HIPOTESIS DE CALCULO

1. DATOS GENERALES

1.1 Tipo de obra

La duración de servicio y la situación determinan el espesor sacrificado a la corrosión para el acero utilizado.
(Según norma; 5.1.1; 5.1.2; 6.5 y la tabla siguiente, extraída de la norma NF A 05 -252).

Espesores mínimos sacrificados (en milímetros)

	Duración de servicio escogida							
	5 años		30 años		70 años		100 años	
METAL	A	A.G	A	A.G	A	A.G	A	A.G
SITUACION								
FUERA DEL AGUA	0.5	0	1.5	0.5	3	1.0	4	1.5
SUMERGIDO	0.5	0	2.0	1.0	4	1.5	5	2.0

A = Acero sin revestimiento.
AG = Acero galvanizado en caliente, 500 g/m^2 en cada cara.

El nivel de seguridad que aparezca con la indicación "alto", corresponde a obras especiales (Norma; 5.1.3.)

1.2 Armaduras

Los materiales utilizados son, en general, acero sin revestimiento, o acero galvanizado.
Para cada tipo de armadura susceptible de emplearse en la construcción de la obra, se precisan aquí las dimensiones; b, ancho; e_0, espesor y e_S, espesor sacrificado que se reserva a la corrosión, definido antes, así como σ_r, tensión de rotura del acero utilizado.

Las tensiones admisibles ponderadas T_r, en sección plena, y T_{ro}, en el paramento, se refieren a una armadura:

$$Tr = \sigma_r \cdot (b - b_t) \cdot (e_0 - e_t - e_S) / F_{St}$$

(dimensiones en m.m.)
Donde b_t y e_t son las tolerancias sobre la anchura y el espesor (datos en la ultima página de la salida, Datos Complementarios).
Para F_{st}, ver capitulo E siguiente.

Tro se calcula de forma análoga, teniendo en cuenta la tecnología de unión de armadura y paramento.

Marco para acequia PK 3+270

E) CÁLCULOS JUSTIFICATIVOS DEL MARCO PARA ACEQUIA EN EL P.K. 3+270

1.- Hipótesis.

- "Sobrecargas referidas a las acciones a considerar en el proyecto de puentes de ferrocarril" de 21 de Junio de 1975

- "Acciones consideradas en el cálculo de puentes de ferrocarril metálicos" (ACI.1.3)
(ACI.1.1)

- UIC 776.1 / UIC 774.2 / UIC 702.0

2.- Materiales.

Hormigón para dinteles en cimientos: $f_{ck} = 250 \text{ kp/cm}^2$

Acero para anclar: $f_{yk} = 5100 \text{ kp/cm}^2$

Coeficientes de seguridad: (control intenso)

Hormigón: $\gamma_c = 1,5$

Acero: $\gamma_s = 1,15$

3.- Acciones.

3.1.- Peso propio: Hormigón armado $\gamma = 2,50 \text{ t/m}^3$

3.2.- Cargas muertas

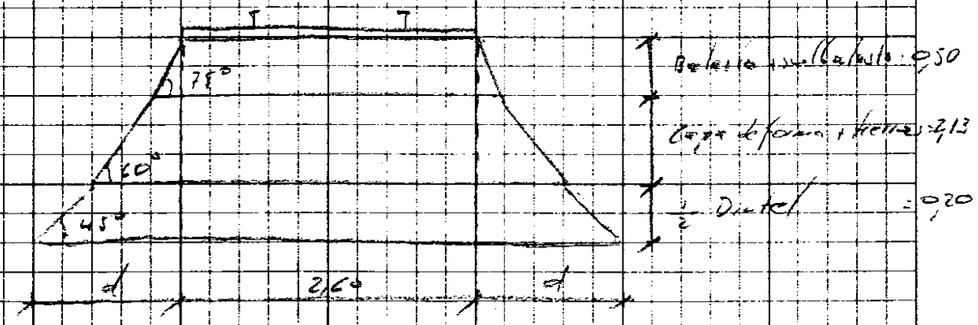
3.2.1.- Balasto

$\gamma = 1,6 \text{ t/m}^3$ $\quad q = 1,6 \cdot 0,70 = 1,12 \text{ t/m}^2$

3.2.2.- Carril + traviesa

$q_{traviesa} = 0,52 \text{ t/m}$

$q_{carril} = 0,12 \text{ t/m}$



$$d = \frac{0,50}{\operatorname{tg} 75^\circ} + \frac{0,13}{\operatorname{tg} 60^\circ} + \frac{0,20}{\operatorname{tg} 45^\circ} = 1,57 \text{ m}$$

$$L_T = 2,60 + 2 \cdot d = 5,74 \text{ m}$$

$$\text{Carril + traviesas} = \frac{0,52 + 0,12}{5,74} = 0,11 \text{ t/m}^2$$

3.2.3.- Combinación de combinaciones

$q_{combinada} = 0{,}30$ t/m

$Combinada = \frac{0{,}30}{2 \times 1{,}57} = 0{,}10$ t/m²

TOTAL CARGAS MUERTAS = 1,12 + 0,11 + 0,10 =

$Q = 1{,}33$ t/m²

3.3.- Acciones sobre el terreno

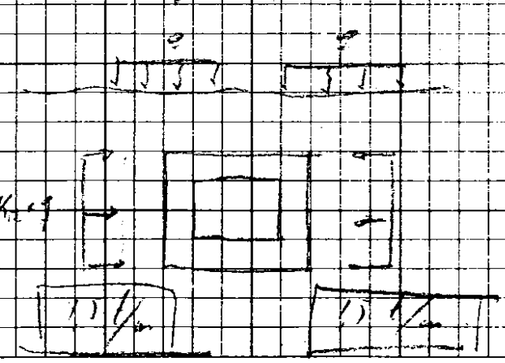
Ángulo de rozamiento interno $\phi = 40°$

Peso específico $\gamma_t = 2{,}1$ t/m³

Coef. de empuje al reposo $k_o = 1 - \operatorname{sen}\phi = 0{,}35$

Coef. de balasto $K = 1{,}5 \frac{E}{B} = 1{,}5 \times \frac{8500}{3{,}5} = 3400$ t/m³

Empuje activo sobre hastiales. Se considera para el cálculo del empuje una sobrecarga $q = 3$ t/m



3.4.- Sobrecargas ferroviarias

3.4.1.- Coeficiente de impacto

3.4.1.1.- IAPF

$I = 33 \cdot 10^2 \cdot \gamma$

$V = 20$ km/h $\rightarrow I = 6{,}6$ %

Reducción en función de la profundidad en estructuras cubiertas:

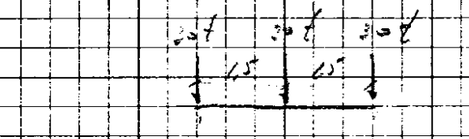
$I_{red} = I \cdot \frac{h-1}{10} \cdot 6{,}6 - \frac{2-1}{10} = 5{,}3$ %

3.4.1.2.- UIC

$\varphi_2 = \frac{1{,}44}{\sqrt{L} - 0{,}2} + 0{,}82$

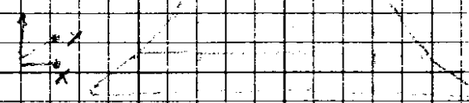
$L \leq 3{,}61$ → $\varphi_2 = 1{,}67$

3.4.2.- Tren A



$L_u = 2 + 2 \cdot 1{,}57 = 5{,}14$ m

$L_f = 5{,}74$ m



Sobrecarga tren A = $\frac{90}{5{,}14 \cdot 5{,}74} \times 1{,}065 = 2{,}72$ t/m²

3.6.2.- Tren E

12 t/m

Sobrecarga tren B: $\frac{12}{5,74} \times 1,065 = 2,22$ t/m²

3.6.3.- Tren HC (Loading 71)

25 t 25 t 25 t 25 t

8 t/m 8 t/m

1,8 | 4,6 | 1,6 | 1,6 | 2,4 | 1,8 | 3 t

$L = 0,8 + 2 + 1,57 = 7,96$

$L_f = 5,74$ m

Para circular los trenes a velocidad de proyecto, se aplica el coeficiente de impacto obtenido de la EAE para vía con balasto de 40 cm.

Sobrecarga HC 71: $\frac{6 \times 2,5}{7,96 \times 5,74} \times 1,065 = 4,34$ t/m²

$q = \frac{8}{5,74} \times 1,065 = 1,48$ t/m²

3.6.6.- Tren HC (Loading SW/0)

13,3 t/m

Sobrecarga HC SW/0: $\frac{13,3}{5,74} \times 1,065 = 2,47$ t/m²

SOBRECARGA FINAL ADOPTADA: TREN A = 2,72 t/m²

3.7.- Acciones sobre la losa de cimentación

$q = 2,5 + 0,5 = 1,25$ t/m² (e = 1,50 m)

$Q = \frac{\pi \times 0,7^2}{2} \times 1,1 = 0,88$ t (accidental)

PROGRAMA GALERIA

CALCULO DE GALERIAS ENTERRADAS Y PASOS INFERIORES

VERSION Nº 1 FECHA : 15/07/1995

Copyright : J.Díaz del Valle, 1994

E.T.S. de I.C.C. y P. de Santander

DATOS DEL PROYECTO DE LA GALERIA

PROYECTO : L.A.V. Madrid-Front. francesa

REFERENCIA : 3+270

FECHA DEL CALCULO : 13-04-2000

DATOS GEOMETRICOS

Cálculo de armaduras

GEOMETRIA DEL ARCO :

TIPO 0 : Poligonal arbitraria dada por coordenadas
TIPO 1 : Arco circular definido por .....: f,a
TIPO 2 : Parábola con y'(0)=0, definida por.....: f,a
TIPO 3 : Parábola con y'(0)=0, definida por .....: a,c,b
TIPO 4 : Parábola con y'(0)<>0 definida por .....:f,a,c,b
TIPO 5 : Cúbica con y'(0)=0 definida por .....:f,a,c,b
TIPO 6 : Pórtico circular definido por .....:f,a,H,B
TIPO 7 : Curva general definida por puntos de paso
TIPO 8 : Geometría del caso anterior,almacenado en fichero
TIPO 9 : Pórtico rectangular acartelado,definido por L,H,b,c
TIPO 10: La geometría se lee de un fichero 'DATO' : Se leen
n (nº de nudos), x(i), y(i), espesor(i) (i=1 a n)
TIPO 11: Idem. fichero 'DATOS' del programa ARCO (simétrico)
TIPO 12: Tubo circular ó elíptico definido por sus diámetros

TIPO = 9

Altura ..... H = 2.200 m
Longitud horizontal ..... L = 2.900 m
Longitud horizontal de la cartela ..... b = 0.000 m
Longitud vertical de la cartela ..... c = 0.000 m
Espesor de los soportes ..... = 0.400 m
Espesor del dintel horizontal ..... = 0.400 m

Número de segmentos en que se divide el arco ..... =100
Salto de impresión de resultados ..... = 1

COORDENADAS DE LOS NUDOS DEL ARCO

Nudo	X	Y	Nudo	X	Y	Nudo	X	Y
1	-1.450	0.000	2	-1.450	0.073	3	-1.450	0.147
4	-1.450	0.220	5	-1.450	0.293	6	-1.450	0.367
7	-1.450	0.440	8	-1.450	0.513	9	-1.450	0.587
10	-1.450	0.660	11	-1.450	0.733	12	-1.450	0.807
13	-1.450	0.880	14	-1.450	0.953	15	-1.450	1.027
16	-1.450	1.100	17	-1.450	1.173	18	-1.450	1.247
19	-1.450	1.320	20	-1.450	1.393	21	-1.450	1.467
22	-1.450	1.540	23	-1.450	1.613	24	-1.450	1.687
25	-1.450	1.760	26	-1.450	1.833	27	-1.450	1.907

28	-1.450	1.980	29	-1.450	2.053	30	-1.450	2.127
31	-1.450	2.200	32	-1.378	2.200	33	-1.305	2.200
34	-1.232	2.200	35	-1.160	2.200	36	-1.087	2.200
37	-1.015	2.200	38	-0.943	2.200	39	-0.870	2.200
40	-0.798	2.200	41	-0.725	2.200	42	-0.652	2.200
43	-0.580	2.200	44	-0.508	2.200	45	-0.435	2.200
46	-0.363	2.200	47	-0.290	2.200	48	-0.218	2.200
49	-0.145	2.200	50	-0.073	2.200	51	0.000	2.200
52	0.073	2.200	53	0.145	2.200	54	0.218	2.200
55	0.290	2.200	56	0.363	2.200	57	0.435	2.200
58	0.507	2.200	59	0.580	2.200	60	0.652	2.200
61	0.725	2.200	62	0.798	2.200	63	0.870	2.200
64	0.942	2.200	65	1.015	2.200	66	1.087	2.200
67	1.160	2.200	68	1.232	2.200	69	1.305	2.200
70	1.378	2.200	71	1.450	2.200	72	1.450	2.127
73	1.450	2.053	74	1.450	1.980	75	1.450	1.907
76	1.450	1.833	77	1.450	1.760	78	1.450	1.687
79	1.450	1.613	80	1.450	1.540	81	1.450	1.467
82	1.450	1.393	83	1.450	1.320	84	1.450	1.247
85	1.450	1.173	86	1.450	1.100	87	1.450	1.027
88	1.450	0.953	89	1.450	0.880	90	1.450	0.807
91	1.450	0.733	92	1.450	0.660	93	1.450	0.587
94	1.450	0.513	95	1.450	0.440	96	1.450	0.367
97	1.450	0.293	98	1.450	0.220	99	1.450	0.147
100	1.450	0.073	101	1.450	0.000			

Nudos de separación entre tramos : 1 31 51 71 101

Dimensiones a salvar : Gálibo X = 2.50, Gálibo Y = 2.00

TIPO DE CONDICIONES DE APOYO :

TIPO 0 : Triarticulado (en apoyos y clave)
TIPO 1 : Biarticulado (en apoyos)
TIPO 2 : Empotrado en extremos
TIPO 3 : Empotrado en extremos con rótula en clave
TIPO 4 : Empotrado elasticamente
TIPO 5 : Atirantado en extremos,con rótula en clave
TIPO 6 : Atirantado en extremos,con rótula en clave
TIPO 7 : Condiciones generales de contorno

TIPO = 2

LOSA DE CIMENTACION :

La losa es de espesor constante (SI=0,NO=1) ..... = 0

Espesor de la losa en metros ..... = 0.50

Longitud del vuelo izquierdo de la losa (metros) ..... = 0.30

Longitud del vuelo derecho de la losa (metros) ..... = 0.30

Número de segmentos en que se divide la losa ..... = 20

Módulo de balasto del terreno de apoyo de la losa = 3400 t/m³

El terreno reacciona en sentido positivo (es decir hacia arriba)

CARACTERISTICAS DE LOS MATERIALES

Resistencia característica del hormigón (Kp/cm²) ..... fck = 250

Coeficiente de minoración de fck ..... Yc = 1.50

Límite elástico del acero (Kp/cm²) ..... fyk = 5100

Coeficiente de minoración de fyk ..... Ys = 1.15

Recubrimiento de las armaduras (m) ..... c = 0.04

Se disponen armaduras mínimas de flexocompresión.

DATOS DE ACCIONES

ACCIONES DEBIDAS AL PESO PROPIO DEL ARCO :

Peso específico del hormigón (t/m3) ..... = 2.50

ACCIONES DEBIDAS AL PESO DE LAS TIERRAS :

Existe escalón de tierras a izqda y dcha (SI=1,NO=0) ..... = 0

Inclinación de las tierras a la izquierda (Grados) ..... = 0

Inclinación de las tierras a la derecha (Grados) ..... = 0

Altura de las tierras desde el centro de la base (m) ..... = 4.53

Peso específico de las tierras (t/m3) ..... = 2.10

ACCIONES DEBIDAS AL EMPUJE DE LAS TIERRAS :

Acciones definidas por coeficientes de empuje :

Coeficiente de empuje de tierras ..... = 0.50

ACCIONES DEBIDAS AL TRAFICO :

Existe tráfico encima del arco (SI=1,NO=0) ..... = 0

ACCIONES DEBIDAS A PRESIONES INTERNAS Y EXTERNAS :

Nivel freático medido desde la base (m) ..... = 0.00

Nivel del agua interior medido desde la base (m) ..... = 0.00

Presión interna adicional (t/m²) ..... = 0.0

ACCIONES DEBIDAS A SOBRECARGAS REPARTIDAS :

Carga uniforme (t/m²) (+descendente, -ascendente) ..... Qy = 1.33

La carga anterior se extiende desde el nudo 31 hasta el nudo 71

Carga uniforme (t/m²) (+descendente, -ascendente) ..... Qy = 2.72

La carga anterior se extiende desde el nudo 31 hasta el nudo 71

Carga uniforme (t/m²) (+ hacia dcha, - hacia izda) ..... Qx = 1.50

La carga anterior se extiende desde el nudo 1 hasta el nudo 31

Carga uniforme (t/m²) (+ hacia dcha, - hacia izda) ..... Qx = -1.50

La carga anterior se extiende desde el nudo 71 hasta el nudo 101

ACCIONES SOBRE LA LOSA DE CIMENTACION :

Carga repartida Q = 1.25 t/m² desde X = -0.750 m hasta X = 0.750 m

Carga concentrada Fy = 0.88 t/m. actuando en el punto X = 0.000 m.

Coeficiente de mayoración de todas las cargas ..... Y = 1.60

RESULTANTE TOTAL SOBRE LA BASE

Resultante sobre OX (t) ..... Rx = 0.000

Resultante sobre OY (t) ..... Ry = -61.768

Momento resultante en el centro (mxt)..... Mz = -0.000

Presión media sobre el suelo (t/m²) ..... σy = 17.648

C A R A C T E R I S T I C A S - A R C O

Nudo N°	X (m)	Y (m)	Espesor (m)	Ancho (m)	Inercia (m4/m)	Area (m²/m)	Grados de libertad u	v	θ
1	-1.450	0.000	0.400	1.000	0.0053	0.400	0.0000 K= 563		-
2	-1.450	0.073	0.400	1.000	0.0053	0.400	-	-	-
3	-1.450	0.147	0.400	1.000	0.0053	0.400	-	-	-
4	-1.450	0.220	0.400	1.000	0.0053	0.400	-	-	-
5	-1.450	0.293	0.400	1.000	0.0053	0.400	-	-	-
6	-1.450	0.367	0.400	1.000	0.0053	0.400	-	-	-
7	-1.450	0.440	0.400	1.000	0.0053	0.400	-	-	-
8	-1.450	0.513	0.400	1.000	0.0053	0.400	-	-	-
9	-1.450	0.587	0.400	1.000	0.0053	0.400	-	-	-
10	-1.450	0.660	0.400	1.000	0.0053	0.400	-	-	-
11	-1.450	0.733	0.400	1.000	0.0053	0.400	-	-	-
12	-1.450	0.807	0.400	1.000	0.0053	0.400	-	-	-
13	-1.450	0.880	0.400	1.000	0.0053	0.400	-	-	-
14	-1.450	0.953	0.400	1.000	0.0053	0.400	-	-	-
15	-1.450	1.027	0.400	1.000	0.0053	0.400	-	-	-
16	-1.450	1.100	0.400	1.000	0.0053	0.400	-	-	-
17	-1.450	1.173	0.400	1.000	0.0053	0.400	-	-	-
18	-1.450	1.247	0.400	1.000	0.0053	0.400	-	-	-
19	-1.450	1.320	0.400	1.000	0.0053	0.400	-	-	-
20	-1.450	1.393	0.400	1.000	0.0053	0.400	-	-	-
21	-1.450	1.467	0.400	1.000	0.0053	0.400	-	-	-
22	-1.450	1.540	0.400	1.000	0.0053	0.400	-	-	-
23	-1.450	1.613	0.400	1.000	0.0053	0.400	-	-	-
24	-1.450	1.687	0.400	1.000	0.0053	0.400	-	-	-
25	-1.450	1.760	0.400	1.000	0.0053	0.400	-	-	-
26	-1.450	1.833	0.400	1.000	0.0053	0.400	-	-	-
27	-1.450	1.907	0.400	1.000	0.0053	0.400	-	-	-
28	-1.450	1.980	0.400	1.000	0.0053	0.400	-	-	-
29	-1.450	2.053	0.400	1.000	0.0053	0.400	-	-	-
30	-1.450	2.127	0.400	1.000	0.0053	0.400	-	-	-
31	-1.450	2.200	0.400	1.000	0.0053	0.400	-	-	-
32	-1.378	2.200	0.400	1.000	0.0053	0.400	-	-	-
33	-1.305	2.200	0.400	1.000	0.0053	0.400	-	-	-
34	-1.233	2.200	0.400	1.000	0.0053	0.400	-	-	-
35	-1.160	2.200	0.400	1.000	0.0053	0.400	-	-	-
36	-1.088	2.200	0.400	1.000	0.0053	0.400	-	-	-
37	-1.015	2.200	0.400	1.000	0.0053	0.400	-	-	-
38	-0.943	2.200	0.400	1.000	0.0053	0.400	-	-	-
39	-0.870	2.200	0.400	1.000	0.0053	0.400	-	-	-
40	-0.798	2.200	0.400	1.000	0.0053	0.400	-	-	-
41	-0.725	2.200	0.400	1.000	0.0053	0.400	-	-	-
42	-0.653	2.200	0.400	1.000	0.0053	0.400	-	-	-
43	-0.580	2.200	0.400	1.000	0.0053	0.400	-	-	-
44	-0.508	2.200	0.400	1.000	0.0053	0.400	-	-	-
45	-0.435	2.200	0.400	1.000	0.0053	0.400	-	-	-
46	-0.363	2.200	0.400	1.000	0.0053	0.400	-	-	-
47	-0.290	2.200	0.400	1.000	0.0053	0.400	-	-	-
48	-0.218	2.200	0.400	1.000	0.0053	0.400	-	-	-

49	-0.145	2.200	0.400	1.000	0.0053	0.400	-	-	-
50	-0.073	2.200	0.400	1.000	0.0053	0.400	-	-	-
51	0.000	2.200	0.400	1.000	0.0053	0.400	-	-	-
52	0.073	2.200	0.400	1.000	0.0053	0.400	-	-	-
53	0.145	2.200	0.400	1.000	0.0053	0.400	-	-	-
54	0.218	2.200	0.400	1.000	0.0053	0.400	-	-	-
55	0.290	2.200	0.400	1.000	0.0053	0.400	-	-	-
56	0.363	2.200	0.400	1.000	0.0053	0.400	-	-	-
57	0.435	2.200	0.400	1.000	0.0053	0.400	-	-	-
58	0.508	2.200	0.400	1.000	0.0053	0.400	-	-	-
59	0.580	2.200	0.400	1.000	0.0053	0.400	-	-	-
60	0.653	2.200	0.400	1.000	0.0053	0.400	-	-	-
61	0.725	2.200	0.400	1.000	0.0053	0.400	-	-	-
62	0.798	2.200	0.400	1.000	0.0053	0.400	-	-	-
63	0.870	2.200	0.400	1.000	0.0053	0.400	-	-	-
64	0.943	2.200	0.400	1.000	0.0053	0.400	-	-	-
65	1.015	2.200	0.400	1.000	0.0053	0.400	-	-	-
66	1.088	2.200	0.400	1.000	0.0053	0.400	-	-	-
67	1.160	2.200	0.400	1.000	0.0053	0.400	-	-	-
68	1.233	2.200	0.400	1.000	0.0053	0.400	-	-	-
69	1.305	2.200	0.400	1.000	0.0053	0.400	-	-	-
70	1.378	2.200	0.400	1.000	0.0053	0.400	-	-	-
71	1.450	2.200	0.400	1.000	0.0053	0.400	-	-	-
72	1.450	2.127	0.400	1.000	0.0053	0.400	-	-	-
73	1.450	2.053	0.400	1.000	0.0053	0.400	-	-	-
74	1.450	1.980	0.400	1.000	0.0053	0.400	-	-	-
75	1.450	1.907	0.400	1.000	0.0053	0.400	-	-	-
76	1.450	1.833	0.400	1.000	0.0053	0.400	-	-	-
77	1.450	1.760	0.400	1.000	0.0053	0.400	-	-	-
78	1.450	1.687	0.400	1.000	0.0053	0.400	-	-	-
79	1.450	1.613	0.400	1.000	0.0053	0.400	-	-	-
80	1.450	1.540	0.400	1.000	0.0053	0.400	-	-	-
81	1.450	1.467	0.400	1.000	0.0053	0.400	-	-	-
82	1.450	1.393	0.400	1.000	0.0053	0.400	-	-	-
83	1.450	1.320	0.400	1.000	0.0053	0.400	-	-	-
84	1.450	1.247	0.400	1.000	0.0053	0.400	-	-	-
85	1.450	1.173	0.400	1.000	0.0053	0.400	-	-	-
86	1.450	1.100	0.400	1.000	0.0053	0.400	-	-	-
87	1.450	1.027	0.400	1.000	0.0053	0.400	-	-	-
88	1.450	0.953	0.400	1.000	0.0053	0.400	-	-	-
89	1.450	0.880	0.400	1.000	0.0053	0.400	-	-	-
90	1.450	0.807	0.400	1.000	0.0053	0.400	-	-	-
91	1.450	0.733	0.400	1.000	0.0053	0.400	-	-	-
92	1.450	0.660	0.400	1.000	0.0053	0.400	-	-	-
93	1.450	0.587	0.400	1.000	0.0053	0.400	-	-	-
94	1.450	0.513	0.400	1.000	0.0053	0.400	-	-	-
95	1.450	0.440	0.400	1.000	0.0053	0.400	-	-	-
96	1.450	0.367	0.400	1.000	0.0053	0.400	-	-	-
97	1.450	0.293	0.400	1.000	0.0053	0.400	-	-	-
98	1.450	0.220	0.400	1.000	0.0053	0.400	-	-	-
99	1.450	0.147	0.400	1.000	0.0053	0.400	-	-	-
100	1.450	0.073	0.400	1.000	0.0053	0.400	-	-	-
101	1.450	0.000	0.400	1.000	0.0053	0.400	0.0000 K= 563		-

ESFUERZOS Y DESPLAZAMIENTOS EN EL ARCO

Nudo N°	u (mm)	v (mm)	Giro 1000xrad	Axil (t/m)	Cortante (t/m)	Flector (txm/m)
1	0.000	-5.302	0.196	26.529	8.042	-5.348
2	-0.013	-5.303	0.173	26.470	7.680	-4.759
3	-0.025	-5.305	0.152	26.353	6.959	-4.222
4	-0.036	-5.307	0.134	26.236	6.248	-3.738
5	-0.045	-5.308	0.118	26.118	5.545	-3.306
6	-0.053	-5.310	0.103	26.001	4.852	-2.925
7	-0.060	-5.311	0.091	25.884	4.167	-2.594
8	-0.066	-5.313	0.080	25.766	3.492	-2.314
9	-0.072	-5.315	0.069	25.649	2.826	-2.082
10	-0.077	-5.316	0.060	25.532	2.168	-1.899
11	-0.081	-5.318	0.052	25.414	1.520	-1.764
12	-0.084	-5.319	0.044	25.297	0.881	-1.676
13	-0.087	-5.321	0.037	25.180	0.251	-1.635
14	-0.090	-5.322	0.029	25.062	-0.371	-1.639
15	-0.092	-5.324	0.021	24.945	-0.983	-1.689
16	-0.093	-5.325	0.013	24.828	-1.586	-1.784
17	-0.093	-5.327	0.005	24.710	-2.180	-1.922
18	-0.094	-5.328	-0.004	24.593	-2.765	-2.103
19	-0.093	-5.330	-0.014	24.476	-3.341	-2.327
20	-0.091	-5.331	-0.026	24.358	-3.908	-2.593
21	-0.089	-5.333	-0.038	24.241	-4.466	-2.900
22	-0.086	-5.334	-0.052	24.124	-5.015	-3.248
23	-0.081	-5.336	-0.068	24.006	-5.555	-3.636
24	-0.076	-5.337	-0.086	23.889	-6.085	-4.063
25	-0.069	-5.339	-0.105	23.772	-6.607	-4.528
26	-0.060	-5.340	-0.127	23.654	-7.120	-5.032
27	-0.050	-5.342	-0.151	23.537	-7.624	-5.573
28	-0.038	-5.343	-0.178	23.420	-8.118	-6.150
29	-0.024	-5.344	-0.208	23.302	-8.604	-6.763
30	-0.007	-5.346	-0.240	23.185	-9.080	-7.412
31	0.012	-5.347	-0.276	16.338	6.587	-8.095
32	0.011	-5.368	-0.309	9.550	21.914	-6.465
33	0.010	-5.392	-0.334	9.550	20.761	-4.918
34	0.010	-5.417	-0.353	9.550	19.608	-3.454
35	0.009	-5.443	-0.366	9.550	18.454	-2.075
36	0.009	-5.470	-0.372	9.550	17.301	-0.778
37	0.008	-5.497	-0.373	9.550	16.147	0.434
38	0.007	-5.524	-0.369	9.550	14.994	1.563
39	0.007	-5.550	-0.359	9.550	13.841	2.608
40	0.006	-5.576	-0.345	9.550	12.687	3.570
41	0.006	-5.600	-0.327	9.550	11.534	4.448
42	0.005	-5.623	-0.305	9.550	10.380	5.242
43	0.005	-5.644	-0.280	9.550	9.227	5.953
44	0.004	-5.664	-0.251	9.550	8.074	6.580
45	0.003	-5.681	-0.220	9.550	6.920	7.124
46	0.003	-5.695	-0.187	9.550	5.767	7.584
47	0.002	-5.708	-0.152	9.550	4.614	7.960
48	0.002	-5.717	-0.115	9.550	3.460	8.253

49	0.001	-5.724	-0.078	9.550	2.307	8.462
50	0.001	-5.729	-0.039	9.550	1.153	8.587
51	-0.000	-5.730	0.000	9.550	0.000	8.629
52	-0.001	-5.729	0.039	9.550	-1.153	8.587
53	-0.001	-5.724	0.078	9.550	-2.307	8.462
54	-0.002	-5.717	0.115	9.550	-3.460	8.253
55	-0.002	-5.708	0.152	9.550	-4.614	7.960
56	-0.003	-5.695	0.187	9.550	-5.767	7.584
57	-0.003	-5.681	0.220	9.550	-6.920	7.124
58	-0.004	-5.664	0.251	9.550	-8.074	6.580
59	-0.005	-5.644	0.280	9.550	-9.227	5.953
60	-0.005	-5.623	0.305	9.550	-10.380	5.242
61	-0.006	-5.600	0.327	9.550	-11.534	4.448
62	-0.006	-5.576	0.345	9.550	-12.687	3.570
63	-0.007	-5.550	0.359	9.550	-13.841	2.608
64	-0.007	-5.524	0.369	9.550	-14.994	1.563
65	-0.008	-5.497	0.373	9.550	-16.147	0.434
66	-0.009	-5.470	0.372	9.550	-17.301	-0.778
67	-0.009	-5.443	0.366	9.550	-18.454	-2.075
68	-0.010	-5.417	0.353	9.550	-19.608	-3.454
69	-0.010	-5.392	0.334	9.550	-20.761	-4.918
70	-0.011	-5.368	0.309	9.550	-21.914	-6.465
71	-0.012	-5.347	0.276	16.338	-6.587	-8.095
72	0.007	-5.346	0.240	23.185	9.080	-7.412
73	0.024	-5.344	0.208	23.302	8.604	-6.763
74	0.038	-5.343	0.178	23.420	8.118	-6.150
75	0.050	-5.342	0.151	23.537	7.624	-5.573
76	0.060	-5.340	0.127	23.654	7.120	-5.032
77	0.069	-5.339	0.105	23.772	6.607	-4.528
78	0.076	-5.337	0.086	23.889	6.085	-4.063
79	0.081	-5.336	0.068	24.006	5.555	-3.636
80	0.086	-5.334	0.052	24.124	5.015	-3.248
81	0.089	-5.333	0.038	24.241	4.466	-2.900
82	0.091	-5.331	0.026	24.358	3.908	-2.593
83	0.093	-5.330	0.014	24.476	3.341	-2.327
84	0.094	-5.328	0.004	24.593	2.765	-2.103
85	0.093	-5.327	-0.005	24.710	2.180	-1.922
86	0.093	-5.325	-0.013	24.828	1.586	-1.784
87	0.092	-5.324	-0.021	24.945	0.983	-1.689
88	0.090	-5.322	-0.029	25.062	0.371	-1.639
89	0.087	-5.321	-0.037	25.180	-0.251	-1.635
90	0.084	-5.319	-0.044	25.297	-0.881	-1.676
91	0.081	-5.318	-0.052	25.414	-1.520	-1.764
92	0.077	-5.316	-0.060	25.532	-2.168	-1.899
93	0.072	-5.315	-0.069	25.649	-2.826	-2.082
94	0.066	-5.313	-0.080	25.766	-3.492	-2.314
95	0.060	-5.311	-0.091	25.884	-4.167	-2.594
96	0.053	-5.310	-0.103	26.001	-4.852	-2.925
97	0.045	-5.308	-0.118	26.118	-5.545	-3.306
98	0.036	-5.307	-0.134	26.236	-6.248	-3.738
99	0.025	-5.305	-0.152	26.353	-6.959	-4.222
100	0.013	-5.303	-0.173	26.470	-7.680	-4.759
101	0.000	-5.302	-0.196	26.529	-8.042	-5.348

CARACTERISTICAS-LOSA

Nudo local	Nudo global	X (m)	Y (m)	canto (m)	ancho (m)	inercia (m4/m)	Area (m²/m)
1	- 102	-1.750	0.000	0.500	1.000	0.0104	0.500
2	- 103	-1.600	0.000	0.500	1.000	0.0104	0.500
3	- 1	-1.450	0.000	0.500	1.000	0.0104	0.500
4	- 104	-1.269	0.000	0.500	1.000	0.0104	0.500
5	- 105	-1.088	0.000	0.500	1.000	0.0104	0.500
6	- 106	-0.906	0.000	0.500	1.000	0.0104	0.500
7	- 107	-0.725	0.000	0.500	1.000	0.0104	0.500
8	- 108	-0.544	0.000	0.500	1.000	0.0104	0.500
9	- 109	-0.363	0.000	0.500	1.000	0.0104	0.500
10	- 110	-0.181	0.000	0.500	1.000	0.0104	0.500
11	- 111	0.000	0.000	0.500	1.000	0.0104	0.500
12	- 112	0.181	0.000	0.500	1.000	0.0104	0.500
13	- 113	0.363	0.000	0.500	1.000	0.0104	0.500
14	- 114	0.544	0.000	0.500	1.000	0.0104	0.500
15	- 115	0.725	0.000	0.500	1.000	0.0104	0.500
16	- 116	0.906	0.000	0.500	1.000	0.0104	0.500
17	- 117	1.088	0.000	0.500	1.000	0.0104	0.500
18	- 118	1.269	0.000	0.500	1.000	0.0104	0.500
19	- 101	1.450	0.000	0.500	1.000	0.0104	0.500
20	- 119	1.600	0.000	0.500	1.000	0.0104	0.500
21	- 120	1.750	0.000	0.500	1.000	0.0104	0.500

LOSA DE CIMENTACION SOBRE TERRENO ELASTICO

Nudo Nº	X (m)	Asiento (mm)	Giro 1000xrad	Tensión suelo.t/m²	Cortante (t/m)	Momento (txm/m)
1	-1.750	5.360	0.193	18.224	-0.000	-0.000
2	-1.600	5.331	0.193	18.125	2.426	0.183
3	-1.450	5.302	0.196	18.026	-8.331	3.402
4	-1.269	5.264	0.220	17.897	-18.857	2.397
5	-1.088	5.223	0.225	17.759	-15.988	-0.759
6	-0.906	5.183	0.213	17.623	-13.146	-3.399
7	-0.725	5.147	0.187	17.499	-10.441	-5.525
8	-0.544	5.116	0.150	17.395	-7.937	-7.183
9	-0.363	5.093	0.105	17.316	-5.516	-8.402
10	-0.181	5.078	0.054	17.266	-3.107	-9.183
11	0.000	5.073	0.000	17.250	0.000	-9.528
12	0.181	5.078	-0.054	17.266	3.107	-9.183
13	0.363	5.093	-0.105	17.316	5.516	-8.402
14	0.544	5.116	-0.150	17.395	7.937	-7.183
15	0.725	5.147	-0.187	17.499	10.441	-5.525
16	0.906	5.183	-0.213	17.623	13.146	-3.399
17	1.088	5.223	-0.225	17.759	15.988	-0.759
18	1.269	5.264	-0.220	17.897	18.857	2.397
19	1.450	5.302	-0.196	18.026	8.331	3.402
20	1.600	5.331	-0.193	18.125	-2.426	0.183

21	1.750	5.360	-0.193	18.224	0.000	-0.000

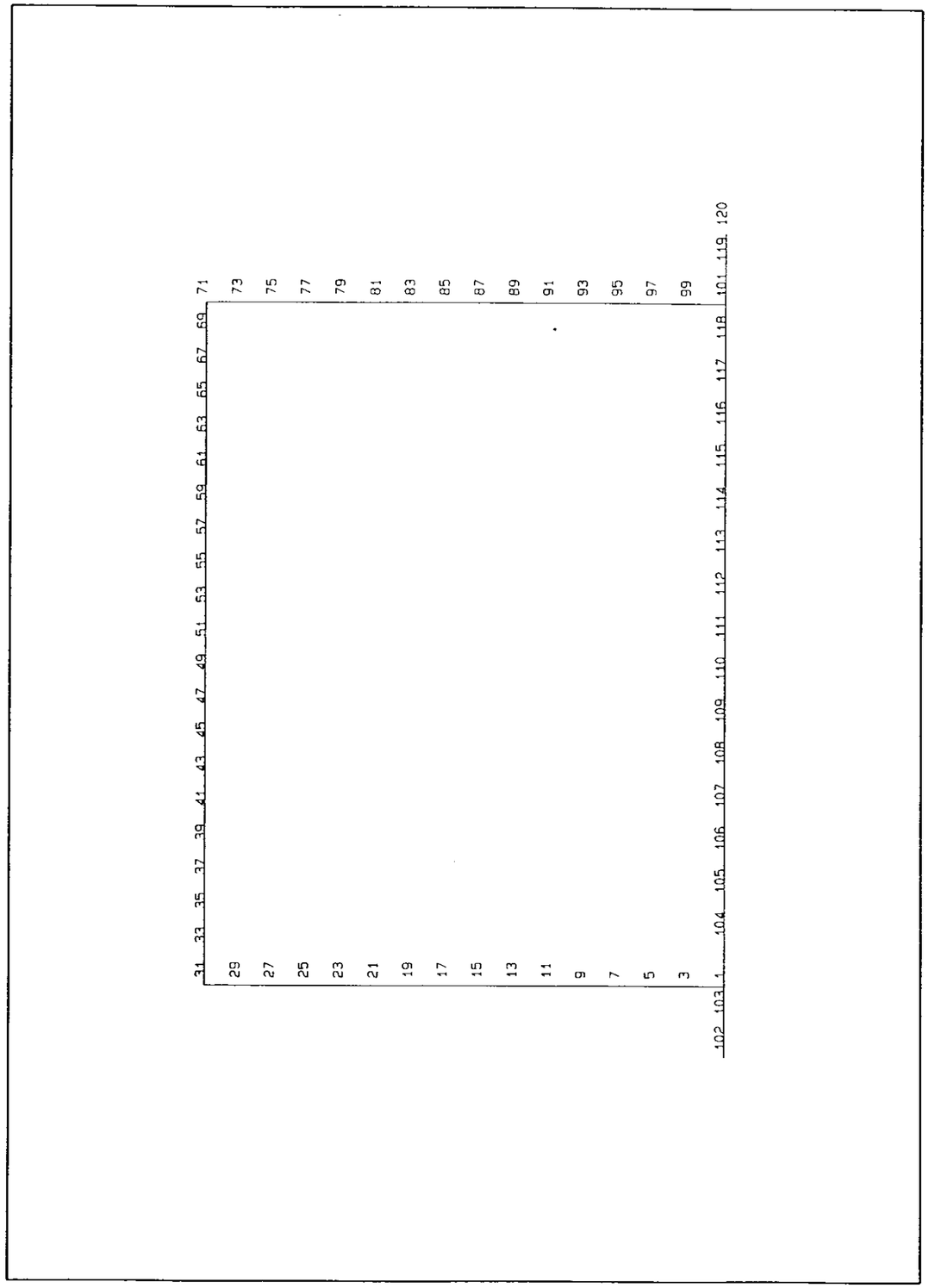
A R M A D U R A S E N E L A R C O

SEC	X (m)	Y (m)	Ainterior (cm²/m)	Aexterior (cm²/m)	Acortante (cm²/m)
1	-1.450	0.000	0.000	0.270	0.000
2	-1.450	0.073	0.000	0.000	0.000
3	-1.450	0.147	0.000	0.000	0.000
4	-1.450	0.220	0.000	0.000	0.000
5	-1.450	0.293	0.000	0.000	0.000
6	-1.450	0.367	0.000	0.000	0.000
7	-1.450	0.440	0.000	0.000	0.000
8	-1.450	0.513	0.000	0.000	0.000
9	-1.450	0.587	0.000	0.000	0.000
10	-1.450	0.660	0.000	0.000	0.000
11	-1.450	0.733	0.000	0.000	0.000
12	-1.450	0.807	0.000	0.000	0.000
13	-1.450	0.880	0.000	0.000	0.000
14	-1.450	0.953	0.000	0.000	0.000
15	-1.450	1.027	0.000	0.000	0.000
16	-1.450	1.100	0.000	0.000	0.000
17	-1.450	1.173	0.000	0.000	0.000
18	-1.450	1.247	0.000	0.000	0.000
19	-1.450	1.320	0.000	0.000	0.000
20	-1.450	1.393	0.000	0.000	0.000
21	-1.450	1.467	0.000	0.000	0.000
22	-1.450	1.540	0.000	0.000	0.000
23	-1.450	1.613	0.000	0.000	0.000
24	-1.450	1.687	0.000	0.000	0.000
25	-1.450	1.760	0.000	0.057	0.000
26	-1.450	1.833	0.000	0.424	0.000
27	-1.450	1.907	0.000	0.819	0.000
28	-1.450	1.980	0.000	1.240	0.000
29	-1.450	2.053	0.000	1.688	0.000
30	-1.450	2.127	0.000	2.162	0.000
31	-1.450	2.200	0.000	3.500	0.000
32	-1.378	2.200	0.000	3.206	0.000
33	-1.305	2.200	0.000	2.129	0.000
34	-1.233	2.200	0.000	1.118	0.000
35	-1.160	2.200	0.000	0.170	0.000
36	-1.088	2.200	0.000	0.000	0.000
37	-1.015	2.200	0.000	0.000	0.000
38	-0.943	2.200	0.000	0.000	0.000
39	-0.870	2.200	0.536	0.000	0.000
40	-0.798	2.200	1.198	0.000	0.000
41	-0.725	2.200	1.804	0.000	0.000
42	-0.653	2.200	2.355	0.000	0.000
43	-0.580	2.200	2.849	0.000	0.000
44	-0.508	2.200	3.287	0.000	0.000
45	-0.435	2.200	3.667	0.000	0.000
46	-0.363	2.200	3.990	0.000	0.000
47	-0.290	2.200	4.254	0.000	0.000
48	-0.218	2.200	4.460	0.000	0.000

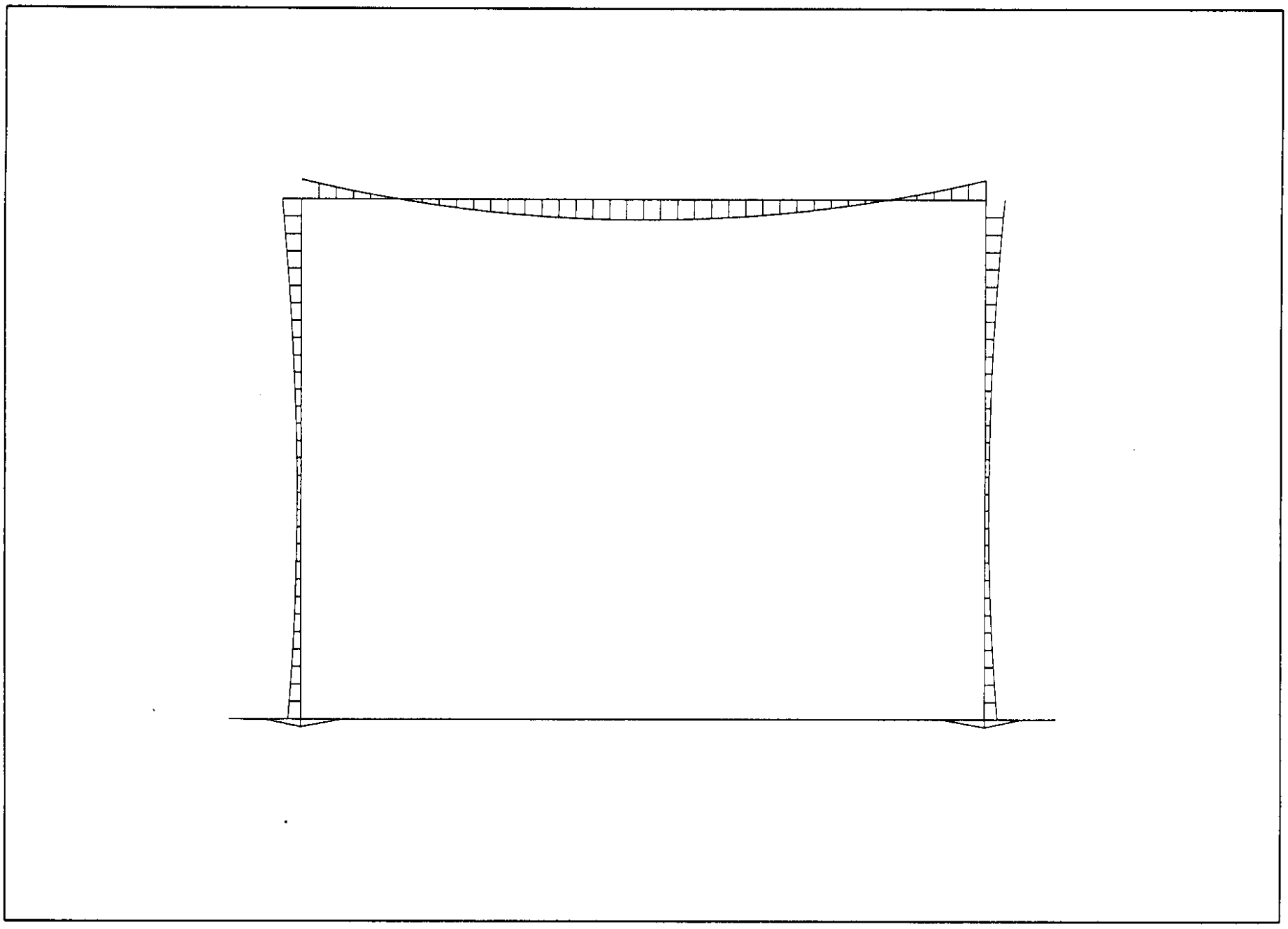
49	-0.145	2.200	4.607	0.000	0.000
50	-0.073	2.200	4.696	0.000	0.000
51	0.000	2.200	4.725	0.000	0.000
52	0.073	2.200	4.696	0.000	0.000
53	0.145	2.200	4.607	0.000	0.000
54	0.218	2.200	4.460	0.000	0.000
55	0.290	2.200	4.254	0.000	0.000
56	0.363	2.200	3.990	0.000	0.000
57	0.435	2.200	3.667	0.000	0.000
58	0.508	2.200	3.287	0.000	0.000
59	0.580	2.200	2.849	0.000	0.000
60	0.653	2.200	2.355	0.000	0.000
61	0.725	2.200	1.804	0.000	0.000
62	0.798	2.200	1.198	0.000	0.000
63	0.870	2.200	0.536	0.000	0.000
64	0.943	2.200	0.000	0.000	0.000
65	1.015	2.200	0.000	0.000	0.000
66	1.088	2.200	0.000	0.000	0.000
67	1.160	2.200	0.000	0.170	0.000
68	1.233	2.200	0.000	1.118	0.000
69	1.305	2.200	0.000	2.129	0.000
70	1.378	2.200	0.000	3.206	0.000
71	1.450	2.200	0.000	3.500	0.000
72	1.450	2.127	0.000	2.162	0.000
73	1.450	2.053	0.000	1.688	0.000
74	1.450	1.980	0.000	1.240	0.000
75	1.450	1.907	0.000	0.819	0.000
76	1.450	1.833	0.000	0.424	0.000
77	1.450	1.760	0.000	0.057	0.000
78	1.450	1.687	0.000	0.000	0.000
79	1.450	1.613	0.000	0.000	0.000
80	1.450	1.540	0.000	0.000	0.000
81	1.450	1.467	0.000	0.000	0.000
82	1.450	1.393	0.000	0.000	0.000
83	1.450	1.320	0.000	0.000	0.000
84	1.450	1.247	0.000	0.000	0.000
85	1.450	1.173	0.000	0.000	0.000
86	1.450	1.100	0.000	0.000	0.000
87	1.450	1.027	0.000	0.000	0.000
88	1.450	0.953	0.000	0.000	0.000
89	1.450	0.880	0.000	0.000	0.000
90	1.450	0.807	0.000	0.000	0.000
91	1.450	0.733	0.000	0.000	0.000
92	1.450	0.660	0.000	0.000	0.000
93	1.450	0.587	0.000	0.000	0.000
94	1.450	0.513	0.000	0.000	0.000
95	1.450	0.440	0.000	0.000	0.000
96	1.450	0.367	0.000	0.000	0.000
97	1.450	0.293	0.000	0.000	0.000
98	1.450	0.220	0.000	0.000	0.000
99	1.450	0.147	0.000	0.000	0.000
100	1.450	0.073	0.000	0.000	0.000
101	1.450	0.000	0.000	0.285	0.000

ARMADURAS EN LA LOSA

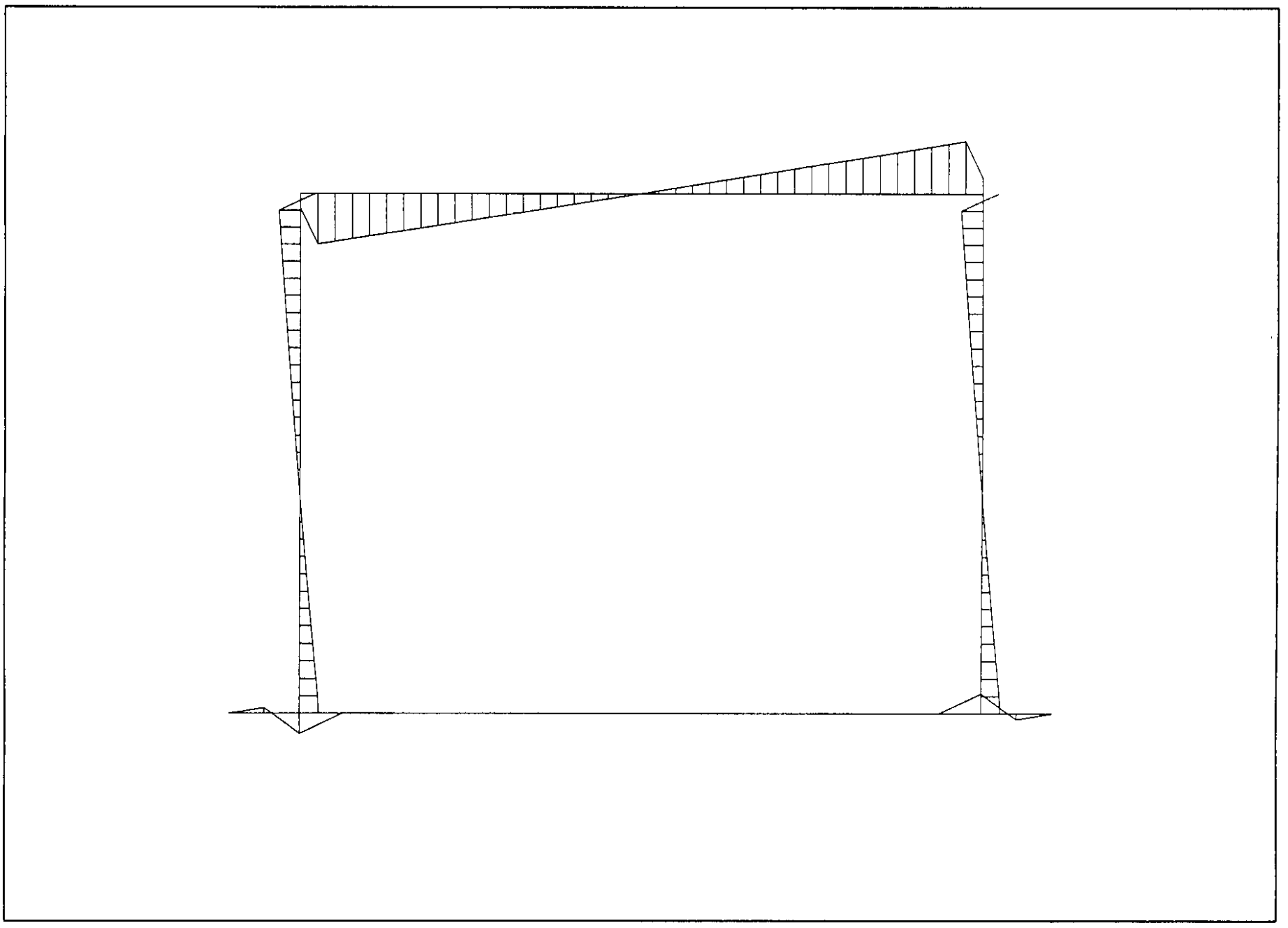
SEC	X (m)	Y (m)	Ainferior (cm²/m)	Asuperior (cm²/m)	Acortante (cm²/m)
1	-1.750	0.000	0.000	0.000	0.000
2	-1.600	0.000	0.086	0.000	0.000
3	-1.450	0.000	1.797	0.000	0.000
4	-1.269	0.000	1.262	0.000	0.000
5	-1.088	0.000	0.000	0.392	0.000
6	-0.906	0.000	0.000	1.795	0.000
7	-0.725	0.000	0.000	2.931	0.000
8	-0.544	0.000	0.000	3.822	0.000
9	-0.363	0.000	0.000	4.478	0.000
10	-0.181	0.000	0.000	4.900	0.000
11	0.000	0.000	0.000	5.087	0.000
12	0.181	0.000	0.000	4.900	0.000
13	0.363	0.000	0.000	4.478	0.000
14	0.544	0.000	0.000	3.822	0.000
15	0.725	0.000	0.000	2.931	0.000
16	0.906	0.000	0.000	1.795	0.000
17	1.088	0.000	0.000	0.392	0.000
18	1.269	0.000	1.262	0.000	0.000
19	1.450	0.000	1.797	0.000	0.000
20	1.600	0.000	0.086	0.000	0.000
21	1.750	0.000	0.000	0.000	0.000



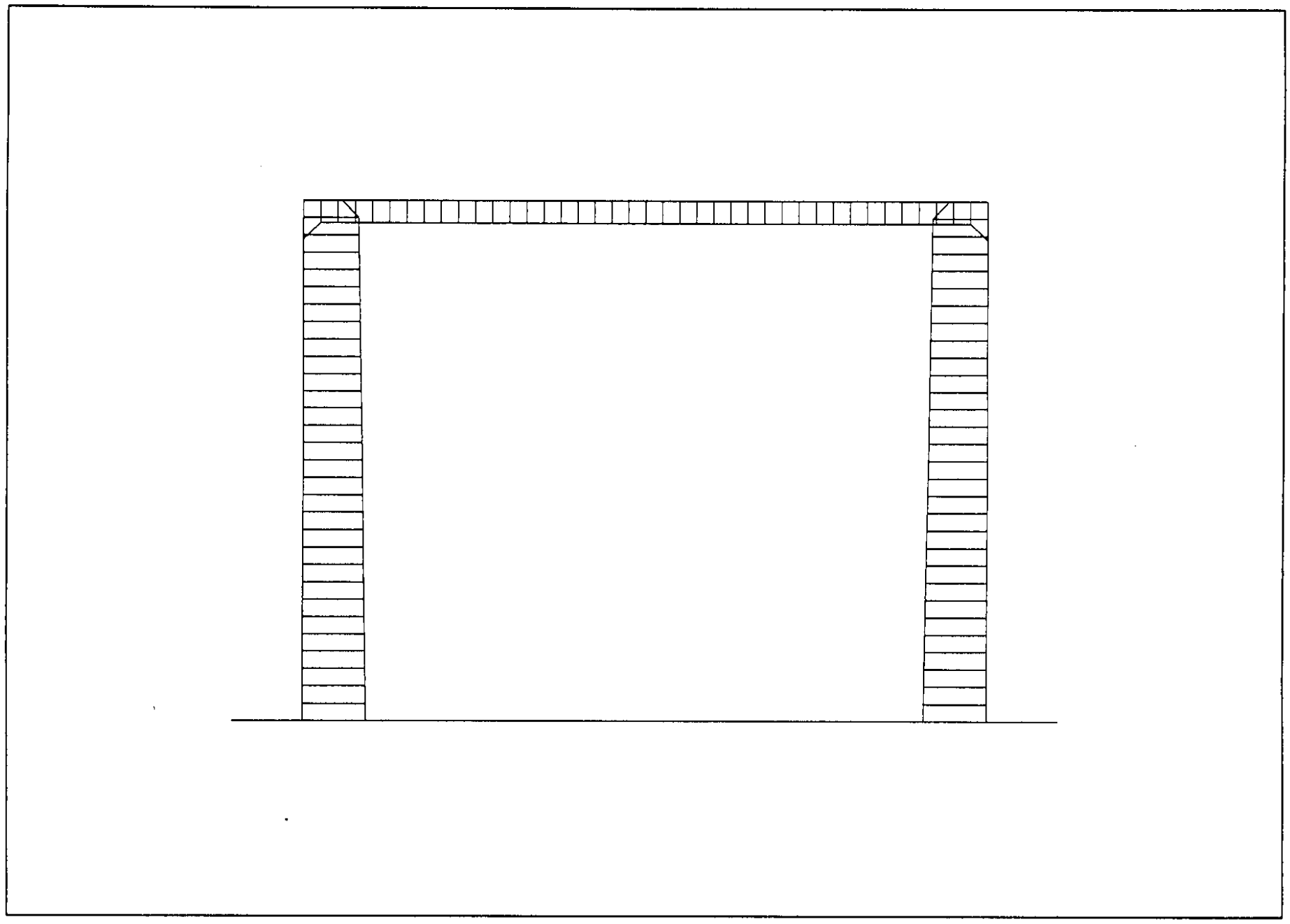
SECCIONES DEL ARCO Y DE LA LOSA



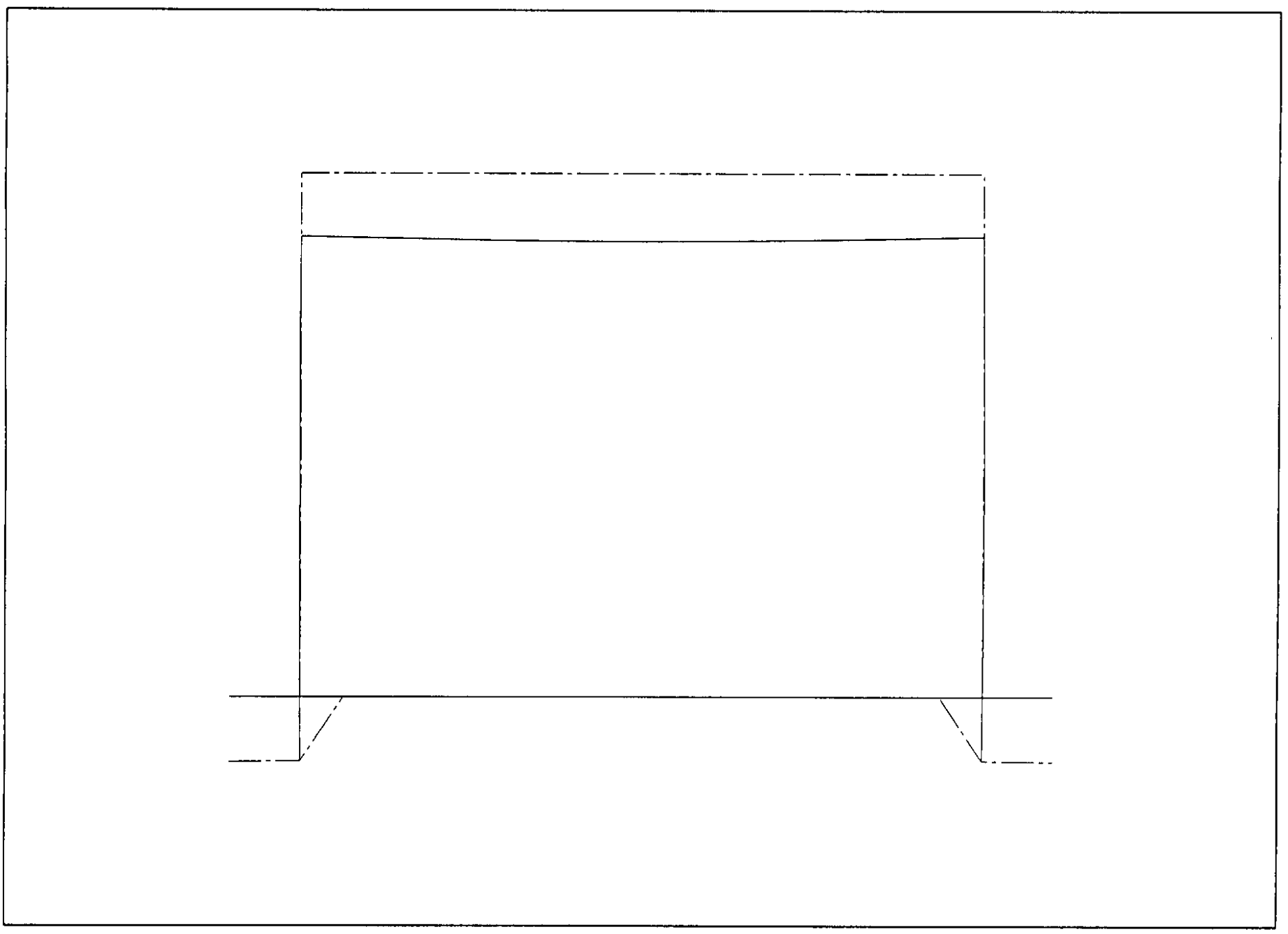
LEY DE MOMENTOS FLECTORES EN EL ARCO Y EN LA LOSA



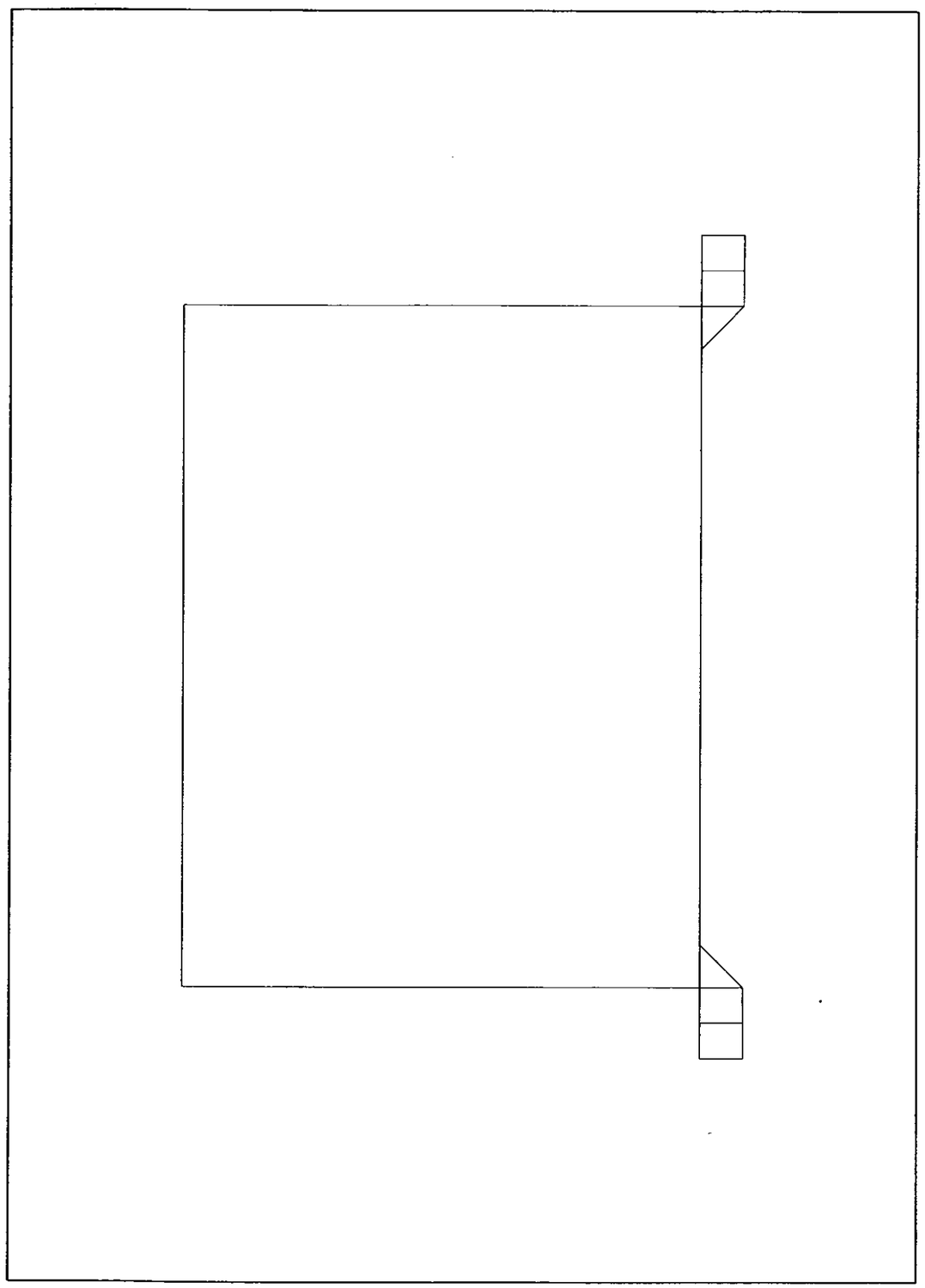
LEY DE ESFUERZOS CORTANTES EN EL ARCO Y EN LA LOSA



LEY DE ESFUERZOS AXILES EN EL ARCO Y EN LA LOSA



DEFORMADA DEL ARCO Y DE LA LOSA



TENSIONES SOBRE EL TERRENO

PROGRAMA MUROS

CALCULO Y ARMADO DE MUROS, PANTALLAS Y ESTRIBOS

VERSION Nº 1 FECHA : 12/10/1995

Copyright : J.Díaz del Valle, 1995

E.T.S. de I.C.C. y P. de Santander

DATOS DEL PROYECTO DEL MURO

PROYECTO : L.A.V. Madrid-Front. francesa

REFERENCIA : 3+270

FECHA DEL CALCULO : 13-04-2000

DATOS DEL MURO MENSULA

Aletas 1 y 4. Angulo = 60g

-Datos geométricos:

H1=	0.00	H2=	1.60	H3=	0.00	H4=	0.50	H5=	0.00 m.
H6=	0.00	H7=	0.50	H8=	0.00	H9=	0.50	H10=	0.00 m.
B1=	0.30	B2=	0.16	B3=	1.20	B4=	0.00	B5=	0.00 m.
B6=	0.50	B7=	0.00	B8=	0.00	B9=	0.00	HY=	0.00 m.

-Caracteristicas de los materiales:

Peso específico del hormigón (t/m3) ..... Yh = 2.50
Resistencia del hormigón del alzado (Kp/cm²) ..... fck = 250
Resistencia del hormigón de la zapata (Kp/cm²) ..... fck'= 250
Límite elástico del acero (Kp/cm²) ..... fyk = 5100
Coeficiente de minoración resistencia hormigón ..... Yc = 1.50
Coeficiente de minoración resistencia acero ..... Ys = 1.15
Coeficiente de mayoración de las acciones ..... Yf = 1.60
Armaduras optimizadas con la serie de diámetros 10,12,16,20,25,32 mm
Separación mínima de las armaduras (cm) ..... Smín = 0.10
Separación máxima de las armaduras (cm) ..... Smáx = 0.30
Recubrimiento de las armaduras (m) ..... c = 0.04

-Características del terreno:

Terreno sobre talón:
Peso específico de las tierras (t/m3) ..... Yt = 2.10
Angulo de rozamiento interno de las tierras (°) ..... ϕ = 30.00
Angulo de rozamiento entre las tierras y el muro (°) .... δ = 0.00
Coeficiente de empuje activo calculado segun Coulomb ... Kax = 0.520
Cohesión de las tierras (t/m²) ..... c = 0.00
Terreno sobre puntera :
Peso específico de las tierras (t/m3) ..... Yt = 2.10
Angulo de rozamiento interno de las tierras (°) ..... ϕ = 30.00
Angulo de rozamiento entre las tierras y el muro (°) .... δ = 0.00
Coeficiente de empuje pasivo de las tierras ..... Kpx = 3.000

Terreno de cimentación :
Coeficiente de rozamiento entre el cimiento y el suelo .. μ = 0.577
Adherencia entre el cimiento y el suelo (t/m²) ..... a = 0.00

Angulo de la superficie del terreno con la horizontal ... ß = 22.00°

-Sobrecargas:

Carga por unidad de longitud de talud (t/m²) ..... q = 3.00
Carga en faja paralela a la coronacion (t/m²) ..... q' = 0.00
Carga en linea paralela a la coronacion (t/m) ..... p = 0.00
Carga concentrada puntual (t.) ..... P = 0.00
Carga sobre zapata aislada (t) ..... W = 0.00
No se considera la acción sísmica .....

ACCIONES VERTICALES Y MOMENTOS RESPECTO AL EXTREMO A

Zona	Volumen (m3)	Densidad (t/m3)	Peso (t)	Distancia (m)	Momento (txm)
HORMIGON:					
Talon	0.83	2.50	2.08	1.33	2.76
Puntera	0.25	2.50	0.63	0.25	0.16
Tacón	0.00	2.50	0.00	2.16	0.00
Total zapata	1.08	2.50	2.70	1.08	2.92
Muro frontal	0.61	2.50	1.52	0.69	1.05
TOTAL HORMIGON (1)	1.69	2.50	4.22	0.94	3.97
TIERRAS:					
Sobre talon	2.05	2.10	4.30	1.52	6.53
Sobre puntera	0.00	2.10	0.00	0.50	0.00
TOTAL TIERRAS (2)	2.05	2.10	4.30	1.52	6.53
SOBRECARGAS:					
Repartida	---	---	3.78	1.43	5.41
Repartida en faja	---	---	0.00	0.00	0.00
En linea	---	---	0.00	0.00	0.00
Concentrada	---	---	0.00	0.00	0.00
En zapata	---	---	0.00	0.00	0.00
TOTAL CARGAS (3)	---	---	3.78	1.43	5.41
RESULTANTE VERTICAL (1)+(2)+(3) :			N= 12.30	Xn= 1.29	15.91

ACCIONES HORIZONTALES Y MOMENTOS RESPECTO AL EXTREMO A

Acción horizontal sobre el muro	Fuerza (t)	Distancia (m)	Momento (txm)
Empuje de tierras	2.41	0.70	1.69
Empuje del agua	0.00	0.00	0.00
Empuje de carga repartida	3.40	1.05	3.57
Empuje de carga repartida en faja	0.00	0.00	0.00
Empuje de carga en linea	0.00	0.00	0.00
Empuje de carga concentrada	0.00	0.00	0.00
Empuje de carga en zapata	0.00	0.00	0.00
TOTAL EMPUJE ACTIVO (1)	Ea= 5.81	Ya= 0.90	5.25
EMPUJE PASIVO FRENTE A PUNTERA (2)	Ep= 0.79	Yp= 0.17	0.13
RESULTANTE HORIZONTAL (1)-(2)	Eh= 5.02	1.02	5.12

COMPROBACION DE LAS CONDICIONES DE ESTABILIDAD

SEGURIDAD FRENTE AL DESLIZAMIENTO

Acciones favorables :

Rozamiento suelo-cimiento ..... μ.N = 7.10
Fuerza-adherencia suelo-cimiento ..... a.B = 0.00
Empuje pasivo frente a puntera ..... Ep = 0.79
Total acciones favorables ..... = 7.89

Acción desfavorable :

Empuje sobre plano vertical de fin de talón ..... Ex = 5.20

Coeficiente de seguridad = 7.89 / 5.20 ..... Csd = 1.516

SEGURIDAD FRENTE AL VUELCO

Momentos estabilizadores :

Peso propio ..... N.Xn = 15.91
Empuje pasivo frente a puntera ..... Ep.Yp = 0.13
Rozamiento terreno en plano de fin de talón ..... N.Xn = 2.25

Total momentos estabilizantes ..... Me = 18.30

Momento volcador :

Empuje lateral ..... Mv = Ex.Y = 4.83

Coeficiente de seguridad = 18.30 / 4.83 ..... Csv = 3.787

COMPROBACION DE LAS TENSIONES DEL TERRENO

-Tensiones en estado de servicio:

Excentricidad efectiva (m) (<B/6 dentro nucleo central) e = 0.21
Tensión máxima (t/m2) ..... σmax = 9.08
Tensión mínima (t/m2) ..... σmin = 2.32
Tensión en cdg de la superficie de apoyo (t/m²) .... σcdg = 5.70
Zona comprimida desde extremo A (Toda la base) ..... c = 2.16

-Tensiones bajo empuje mayorado (Ψ = 1.50) :

Excentricidad efectiva (m) (>B/6 fuera nucleo central) e = 0.43
Tensión máxima (t/m2) ..... σmax = 12.56
Tensión mínima (t/m2) ..... σmin = 0.00
Tensión en cdg de la superficie de apoyo (t/m²) .... σcdg = 8.38
Zona comprimida desde el extremo A. (< B) ..... c = 1.96

PRESIONES LATERALES SOBRE EL MURO

Cota (m)	Presión Tierras (t/m²)	Carga Agua (t/m²)	Carga Repart. (t/m²)	Carga en faja (t/m²)	Carga en linea (t/m²)	Carga Puntual (t/m²)	Carga zapata (t/m²)	Presión Total (t/m²)
2.10	0.00	0.00	1.62	0.00	0.00	0.00	0.00	1.62
1.99	0.11	0.00	1.62	0.00	0.00	0.00	0.00	1.73
1.89	0.23	0.00	1.62	0.00	0.00	0.00	0.00	1.85
1.78	0.34	0.00	1.62	0.00	0.00	0.00	0.00	1.96
1.68	0.46	0.00	1.62	0.00	0.00	0.00	0.00	2.08
1.57	0.57	0.00	1.62	0.00	0.00	0.00	0.00	2.19
1.47	0.69	0.00	1.62	0.00	0.00	0.00	0.00	2.31
1.37	0.80	0.00	1.62	0.00	0.00	0.00	0.00	2.42
1.26	0.92	0.00	1.62	0.00	0.00	0.00	0.00	2.54
1.15	1.03	0.00	1.62	0.00	0.00	0.00	0.00	2.65
1.05	1.15	0.00	1.62	0.00	0.00	0.00	0.00	2.77
0.94	1.26	0.00	1.62	0.00	0.00	0.00	0.00	2.88
0.84	1.38	0.00	1.62	0.00	0.00	0.00	0.00	2.99
0.74	1.49	0.00	1.62	0.00	0.00	0.00	0.00	3.11
0.63	1.61	0.00	1.62	0.00	0.00	0.00	0.00	3.22
0.52	1.72	0.00	1.62	0.00	0.00	0.00	0.00	3.34
0.42	1.84	0.00	1.62	0.00	0.00	0.00	0.00	3.45
0.31	1.95	0.00	1.62	0.00	0.00	0.00	0.00	3.57
0.21	2.07	0.00	1.62	0.00	0.00	0.00	0.00	3.68
0.11	2.18	0.00	1.62	0.00	0.00	0.00	0.00	3.80
0.00	2.29	0.00	1.62	0.00	0.00	0.00	0.00	3.91

ESFUERZOS Y ARMADURAS EN EL MURO

Cota (m)	Canto (m)	Axíl (t)	Cortante (t)	Momento (txm)	Armadura (cm²)	Capacidad Mecánica (t)
1.57	0.35	0.70	1.63	0.41	0.21	0.89
2.10	0.30	-0.00	0.00	0.00	0.00	0.00
0.96	0.41	1.63	4.09	2.11	1.16	4.89
0.50	0.46	2.43	6.38	4.51	2.31	9.72

ESFUERZOS Y ARMADURAS EN EL TALON

Secc. (m)	Canto (m)	Axíl (t)	Cortante (t)	Momento (txm)	Armadura (cm²)	Capacidad Mecánica (t)
0.60	0.50	-	-3.43	-1.21	0.63	2.65
0.70	0.50	-	-4.00	-1.64	0.86	3.62
1.20	0.50	-	-6.85	-4.83	2.56	10.75

ESFUERZOS Y ARMADURAS EN LA PUNTERA

Secc. (m)	Canto (m)	Axíl (t)	Cortante (t)	Momento (txm)	Armadura (cm²)	Capacidad Mecánica (t)
0.25	0.50	-	2.82	0.37	0.18	0.77
0.50	0.50	-	5.64	1.46	0.76	3.21

F

PROGRAMA MUROS

CALCULO Y ARMADO DE MUROS, PANTALLAS Y ESTRIBOS

VERSION Nº 1 FECHA : 12/10/1995

Copyright : J.Díaz del Valle, 1995

E.T.S. de I.C.C. y P. de Santander

DATOS DEL PROYECTO DEL MURO

PROYECTO : L.A.V. Madrid-Front. francesa

REFERENCIA : 3+270

FECHA DEL CALCULO : 13-04-2000

DATOS DEL MURO MENSULA

Aletas 2 y 3. Angulo = 6g

-Datos geométricos:

H1= 0.00	H2= 1.60	H3= 0.00	H4= 0.50	H5= 0.00 m.
H6= 0.00	H7= 0.50	H8= 0.00	H9= 0.50	H10= 0.00 m.
B1= 0.30	B2= 0.16	B3= 0.70	B4= 0.00	B5= 0.00 m.
B6= 0.30	B7= 0.00	B8= 0.00	B9= 0.00	HY= 0.00 m.

-Caracteristicas de los materiales:

Peso específico del hormigón (t/m3) ..... Yh = 2.50
Resistencia del hormigón del alzado (Kp/cm²) ..... fck = 250
Resistencia del hormigón de la zapata (Kp/cm²) ..... fck'= 250
Límite elástico del acero (Kp/cm²) ..... fyk = 5100
Coeficiente de minoración resistencia hormigón ..... Yc = 1.50
Coeficiente de minoración resistencia acero ..... Ys = 1.15
Coeficiente de mayoración de las acciones ..... Yf = 1.60
Armaduras optimizadas con la serie de diámetros 10,12,16,20,25,32 mm
Separación mínima de las armaduras (cm) ..... Smín = 0.10
Separación máxima de las armaduras (cm) ..... Smáx = 0.30
Recubrimiento de las armaduras (m) ..... c = 0.04

-Caracteristicas del terreno:

Terreno sobre talón:
Peso específico de las tierras (t/m3) ..... Yt = 2.10
Angulo de rozamiento interno de las tierras (°) ..... ϕ = 30.00
Angulo de rozamiento entre las tierras y el muro (°) .... δ = 0.00
Coeficiente de empuje activo calculado segun Coulomb ... Kax = 0.383
Cohesión de las tierras (t/m²) ..... c = 0.00
Terreno sobre puntera :
Peso específico de las tierras (t/m3) ..... Yt = 2.10
Angulo de rozamiento interno de las tierras (°) ..... ϕ = 30.00
Angulo de rozamiento entre las tierras y el muro (°) .... δ = 0.00
Coeficiente de empuje pasivo de las tierras ..... Kpx = 3.000

Terreno de cimentación :

Coeficiente de rozamiento entre el cimiento y el suelo .. μ = 0.577

Adherencia entre el cimiento y el suelo (t/m²) ..... a = 0.00

Angulo de la superficie del terreno con la horizontal ... β = 2.70°

-Sobrecargas:

Carga por unidad de longitud de talud (t/m²) ..... q = 3.00

Carga en faja paralela a la coronacion (t/m²) ..... q' = 0.00

Carga en linea paralela a la coronacion (t/m) ..... p = 0.00

Carga concentrada puntual (t.) ..... P = 0.00

Carga sobre zapata aislada (t) ..... W = 0.00

No se considera la acción sísmica .....

ACCIONES VERTICALES Y MOMENTOS RESPECTO AL EXTREMO A

Zona	Volumen (m3)	Densidad (t/m3)	Peso (t)	Distancia (m)	Momento (txm)
HORMIGON:					
Talon	0.58	2.50	1.45	0.88	1.28
Puntera	0.15	2.50	0.38	0.15	0.06
Tacón	0.00	2.50	0.00	1.46	0.00
Total zapata	0.73	2.50	1.83	0.73	1.33
Muro frontal	0.61	2.50	1.52	0.49	0.75
TOTAL HORMIGON (1)	1.34	2.50	3.35	0.62	2.08
TIERRAS:					
Sobre talon	1.25	2.10	2.62	1.07	2.80
Sobre puntera	0.00	2.10	0.00	0.30	0.00
TOTAL TIERRAS (2)	1.25	2.10	2.62	1.07	2.80
SOBRECARGAS:					
Repartida	---	---	2.58	1.03	2.65
Repartida en faja	---	---	0.00	0.00	0.00
En linea	---	---	0.00	0.00	0.00
Concentrada	---	---	0.00	0.00	0.00
En zapata	---	---	0.00	0.00	0.00
TOTAL CARGAS (3)	---	---	2.58	1.03	2.65
RESULTANTE VERTICAL (1)+(2)+(3) :		N=	8.54	Xn= 0.88	7.54

ACCIONES HORIZONTALES Y MOMENTOS RESPECTO AL EXTREMO A

Acción horizontal sobre el muro	Fuerza (t)	Distancia (m)	Momento (txm)
Empuje de tierras	1.77	0.70	1.24
Empuje del agua	0.00	0.00	0.00
Empuje de carga repartida	2.40	1.05	2.52
Empuje de carga repartida en faja	0.00	0.00	0.00
Empuje de carga en linea	0.00	0.00	0.00
Empuje de carga concentrada	0.00	0.00	0.00
Empuje de carga en zapata	0.00	0.00	0.00
TOTAL EMPUJE ACTIVO (1)	Ea= 4.18	Ya= 0.90	3.76
EMPUJE PASIVO FRENTE A PUNTERA (2)	Ep= 0.79	Yp= 0.17	0.13
RESULTANTE HORIZONTAL (1)-(2)	Eh= 3.39	1.07	3.63

COMPROBACION DE LAS CONDICIONES DE ESTABILIDAD

SEGURIDAD FRENTE AL DESLIZAMIENTO

Acciones favorables :

Rozamiento suelo-cimiento	μ.N =	4.93
Fuerza-adherencia suelo-cimiento	a.B =	0.00
Empuje pasivo frente a puntera	Ep =	0.79
Total acciones favorables	=	5.72

Acción desfavorable :

Empuje sobre plano vertical de fin de talón	Ex =	3.64

Coeficiente de seguridad = 5.72 / 3.64 ..... Csd = 1.572

SEGURIDAD FRENTE AL VUELCO

Momentos estabilizadores :

Peso propio	N.Xn =	7.54
Empuje pasivo frente a puntera	Ep.Yp =	0.13
Rozamiento terreno en plano de fin de talón	N.Xn =	1.04
Total momentos estabilizantes	Me =	8.71

Momento volcador :

Empuje lateral	Mv = Ex.Y =	3.39

Coeficiente de seguridad = 8.71 / 3.39 ..... Csv = 2.570

COMPROBACION DE LAS TENSIONES DEL TERRENO

-Tensiones en estado de servicio:

Excentricidad efectiva (m) (>B/2 fuera nucleo central)	e =	0.29
Tensión máxima (t/m2)	σmax =	12.90
Tensión mínima (t/m2)	σmin =	0.00
Tensión en cdg de la superficie de apoyo (t/m²)	σcdg =	8.60
Zona comprimida desde el extremo A (< B)	c =	1.32

-Tensiones bajo empuje mayorado (Y = 1.50) :

Excentricidad efectiva (m) (>B/6 fuera nucleo central)	e =	0.51
Tensión máxima (t/m2)	σmax =	25.77
Tensión mínima (t/m2)	σmin =	0.00
Tensión en cdg de la superficie de apoyo (t/m²)	σcdg =	17.18
Zona comprimida desde el extremo A. (< B)	c =	0.66

PRESIONES LATERALES SOBRE EL MURO

Cota (m)	Presión Tierras (t/m²)	Carga Agua (t/m²)	Carga Repart. (t/m²)	Carga en faja (t/m²)	Carga en linea (t/m²)	Carga Puntual (t/m²)	Carga zapata (t/m²)	Presión Total (t/m²)
2.10	0.00	0.00	1.14	0.00	0.00	0.00	0.00	1.14
1.99	0.08	0.00	1.14	0.00	0.00	0.00	0.00	1.23
1.89	0.17	0.00	1.14	0.00	0.00	0.00	0.00	1.31
1.78	0.25	0.00	1.14	0.00	0.00	0.00	0.00	1.40
1.68	0.34	0.00	1.14	0.00	0.00	0.00	0.00	1.48
1.57	0.42	0.00	1.14	0.00	0.00	0.00	0.00	1.57
1.47	0.51	0.00	1.14	0.00	0.00	0.00	0.00	1.65
1.37	0.59	0.00	1.14	0.00	0.00	0.00	0.00	1.74
1.26	0.68	0.00	1.14	0.00	0.00	0.00	0.00	1.82
1.15	0.76	0.00	1.14	0.00	0.00	0.00	0.00	1.90
1.05	0.84	0.00	1.14	0.00	0.00	0.00	0.00	1.99
0.94	0.93	0.00	1.14	0.00	0.00	0.00	0.00	2.07
0.84	1.01	0.00	1.14	0.00	0.00	0.00	0.00	2.16
0.74	1.10	0.00	1.14	0.00	0.00	0.00	0.00	2.24
0.63	1.18	0.00	1.14	0.00	0.00	0.00	0.00	2.33
0.52	1.27	0.00	1.14	0.00	0.00	0.00	0.00	2.41
0.42	1.35	0.00	1.14	0.00	0.00	0.00	0.00	2.50
0.31	1.44	0.00	1.14	0.00	0.00	0.00	0.00	2.58
0.21	1.52	0.00	1.14	0.00	0.00	0.00	0.00	2.66
0.11	1.60	0.00	1.14	0.00	0.00	0.00	0.00	2.75
0.00	1.69	0.00	1.14	0.00	0.00	0.00	0.00	2.83

ESFUERZOS Y ARMADURAS EN EL MURO

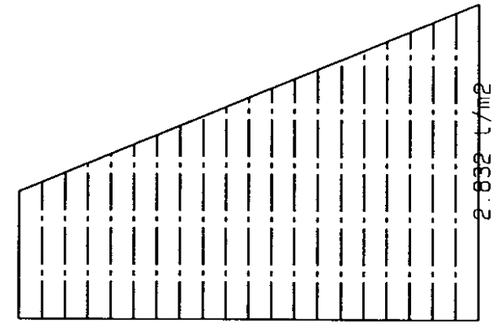
Cota (m)	Canto (m)	Axil (t)	Cortante (t)	Momento (txm)	Armadura (cm²)	Capacidad Mecánica (t)
1.57	0.35	0.70	1.16	0.29	0.12	0.52
2.10	0.30	-0.00	0.00	0.00	0.00	0.00
0.96	0.41	1.63	2.92	1.51	0.77	3.22
0.50	0.46	2.43	4.58	3.22	1.56	6.55

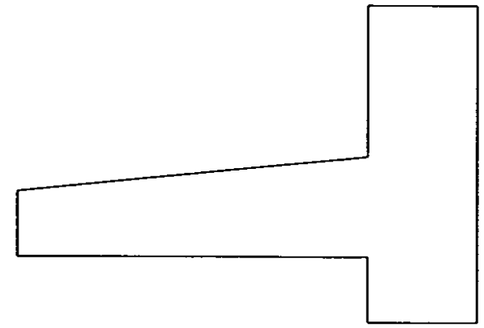
ESFUERZOS Y ARMADURAS EN EL TALON

Secc. (m)	Canto (m)	Axil (t)	Cortante (t)	Momento (txm)	Armadura (cm²)	Capacidad Mecánica (t)
0.35	0.50	-	-3.10	-0.63	0.32	1.36
0.20	0.50	-	-1.77	-0.21	0.10	0.42
0.70	0.50	-	-6.21	-2.53	1.33	5.60

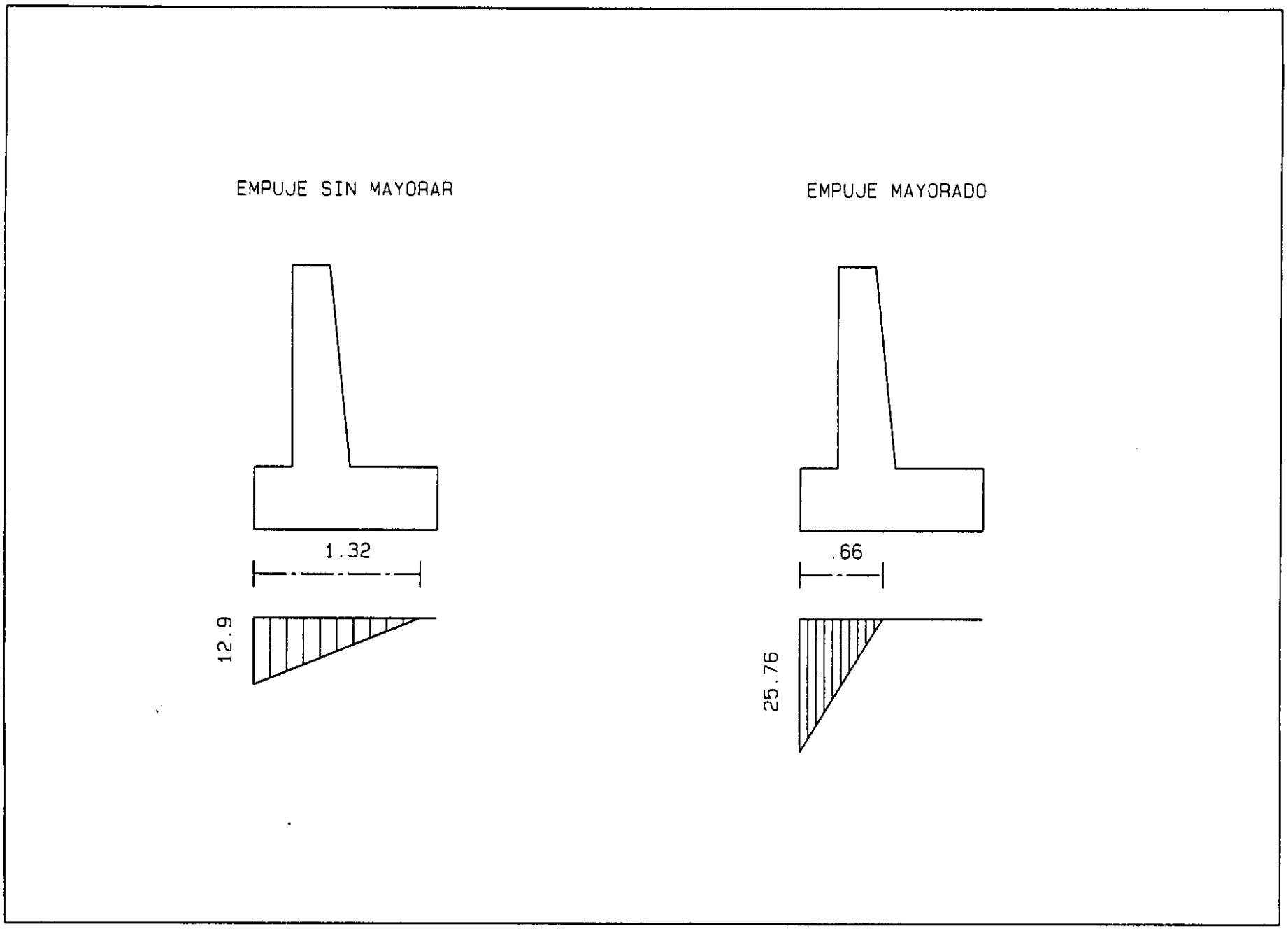
ESFUERZOS Y ARMADURAS EN LA PUNTERA

Secc. (m)	Canto (m)	Axil (t)	Cortante (t)	Momento (txm)	Armadura (cm²)	Capacidad Mecánica (t)
0.15	0.50	-	2.45	0.19	0.09	0.38
0.30	0.50	-	4.89	0.77	0.40	1.67





EMPUJES LATERALES SOBRE EL MURO



TENSIONES DEL TERRENO (t/m2)