MINISTERIO DE INDUSTRIA Y ENERGIA
COMISARIA DE LA ENERGIA Y RECURSOS MINERALES

DETERMINACION DE LAS CARACTERISTICAS RESISTENTES DE UN RELLENO CONSOLIDABLE PARA SU EMPLEO EN CAPAS INCLINADAS DE CARBON

ANEJO I: FOTOGRAFIAS
RESULTADOS ENSAYOS DE CORTE
RESULTADOS MODELO GEOMECANICO

INSTITUTO GEOLOGICO Y MINERO DE ESPAÑA

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El presente estudio ha sido realizado por la División de Geología aplicada a la Ingeniería, del INSTITUTO GEOLOGICO Y MINERO DE ESPAÑA en régimen de contratación - con ESBOGA GEOTECNICA, S.A.

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DETERMINACION DE LAS CARACTERISTICAS RESISTENTES DE UN RELLENO CONSOLIDABLE PARA SU EMPLEO EN CAPAS INCLINADAS DE CARBON.

ANEJO I

I.1.- Fotografías.

I.2.- Resultados de ensayos de corte.

- I.2.1.- Estériles de escombrera de tipo A.
- I.2.2.- Estériles de escombrera de tipo B.
- I.2.3.- Estériles del lavado de menudos.

I.3.- Resultados del modelo geomecánico.

- I.3.1.- Taller con relleno normal.
- I.3.2.- Taller con relleno consolidable.

ANEJO I

I.1.- Fotografías.

FOTO N° 1 ENSAYO CON EL CONO DE ABRAMS

FOTO N° 2 MOLDES PARA LA FABRICACION DE PROBETAS CILINDRICAS.

FOTO N° 3 DESMOLDEO DE LAS PROBETAS CILINDRICAS

FOTO N° 4 ALMACENAMIENTO DE PROBETAS CILINDRICAS EN CAMARA HUMEDA.

FOTO N° 5 ALMACENAMIENTO DE PROBETAS CUBICAS EN CAMARA HUMEDA

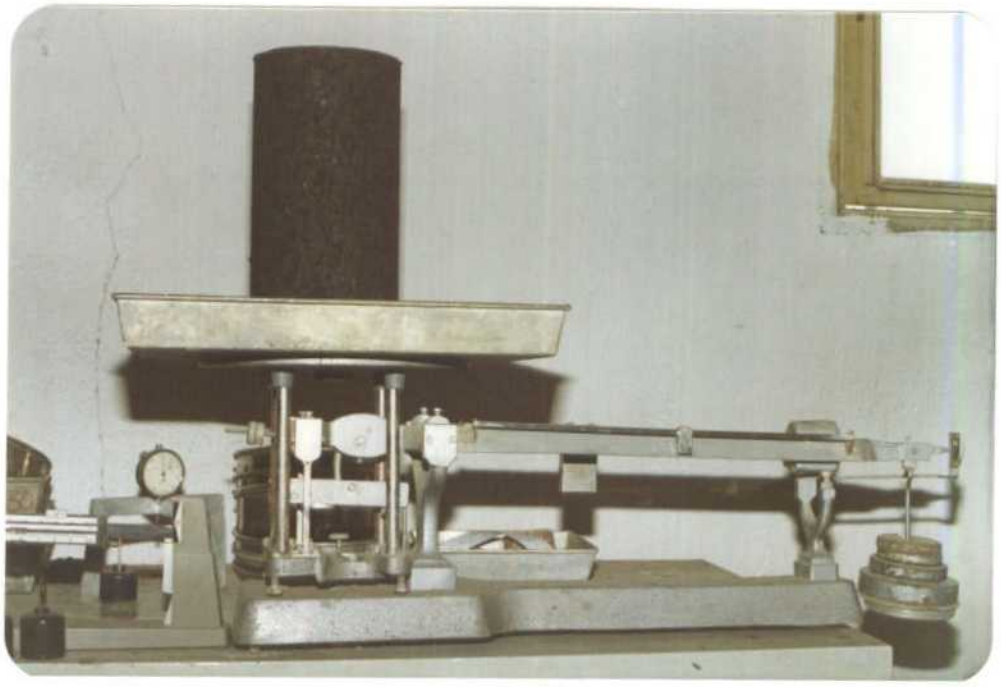


FOTO N° 6 PESAJE DE PROBETAS

FOTO N° 7 PROBETAS DE LOS TRES TIPOS DE ESTERILES EMPLEADOS

FOTO N° 8 ROTURA TIPO EN ENSAYO A COMPRESION SIMPLE

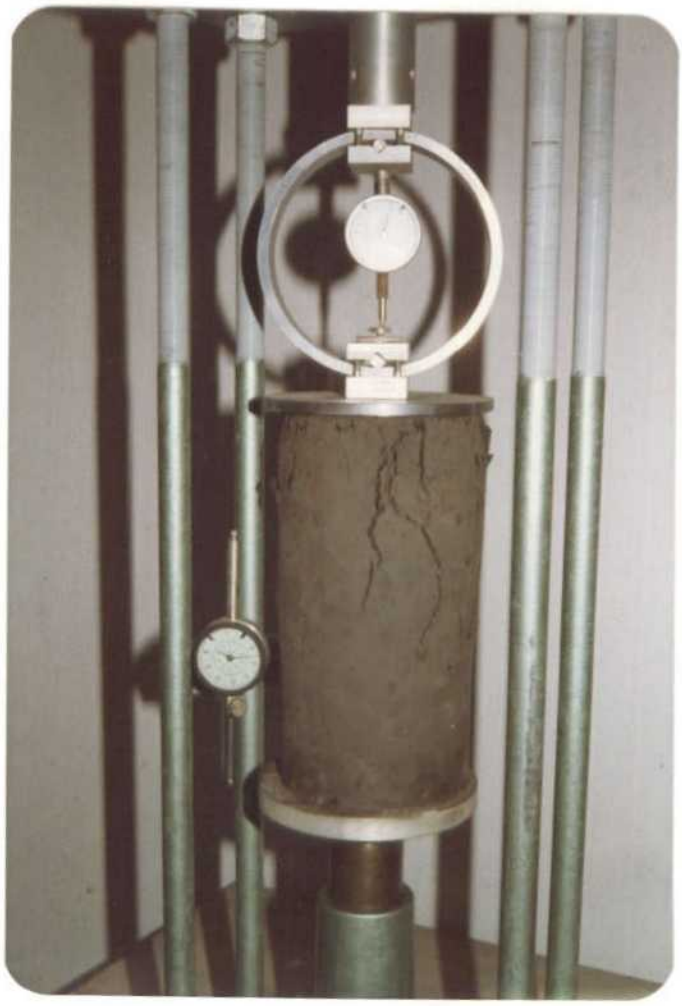


FOTO N° 9 ROTURA TIPO EN ENSAYO A COMPRESION SIMPLE

FOTO N° 10 DESMOLDEO DE LAS PROBETAS CUBICAS PARA ENSAYOS DE CORTE.

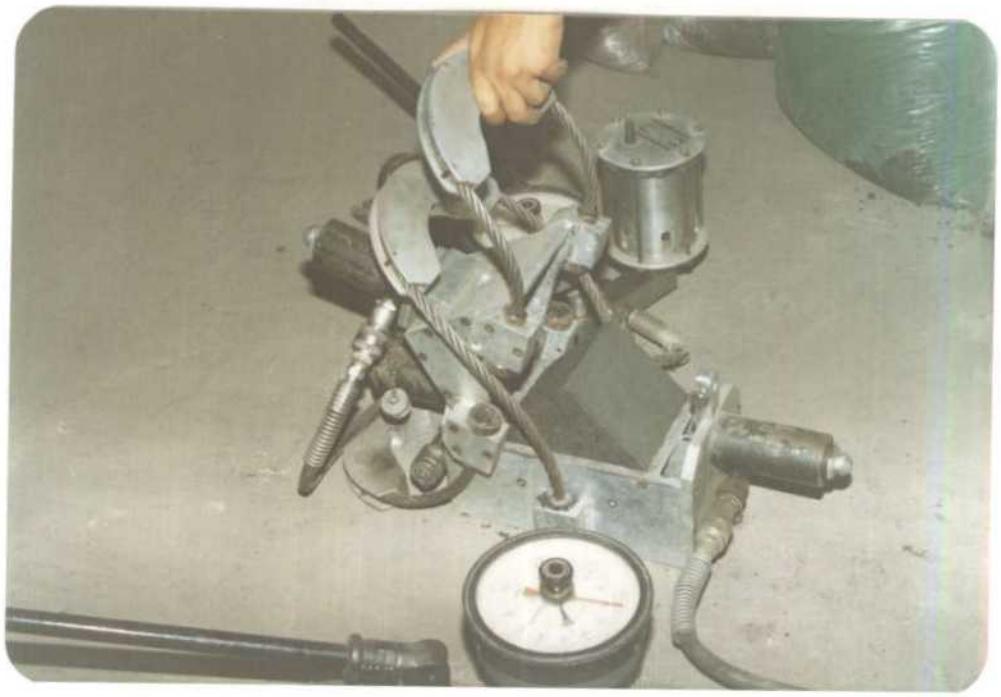


FOTO N° 11 COLOCACION DE LAS PROBETAS CUBICAS EN LA PRENSA DE CORTE.

FOTO N° 12 ENSAYO DE CORTE DIRECTO.

FOTO N° 13 DESMOLDEO DE PROBETAS CUBICAS DE 40 cm. DE ARISTA PARA ENSAYO A COMPRESION SIMPLE A GRAN ESCALA.

FOTO N° 14 CONEXIONADO DE BANDAS EXTENSOMETRICAS DE GRAN LONGITUD.

FOTO N° 15 ENSAYO DE COMPRESION SIMPLE CON PROBETA DE 40 cm. DE ARISTA.

FOTO N° 16 ROTURA TIPO EN ENSAYO DE COMPRESION SIMPLE A GRAN ESCALA.

I.2.- Resultados de ensayos de corte.

I.2.1.- Estériles de escombrera de tipo A.

ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: F-6

EDAD: 12h.

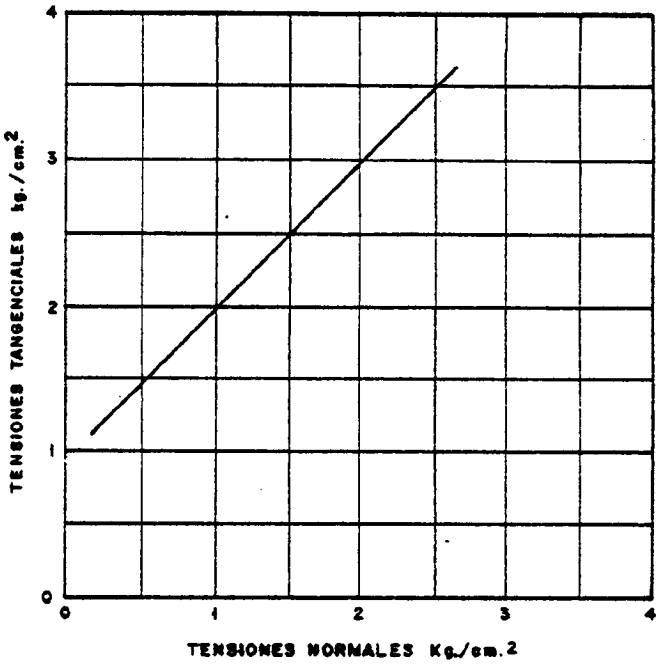
FECHA: 30-7-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
1	1,65	0,735
2	2,45	1,47
3	2,75	1,837

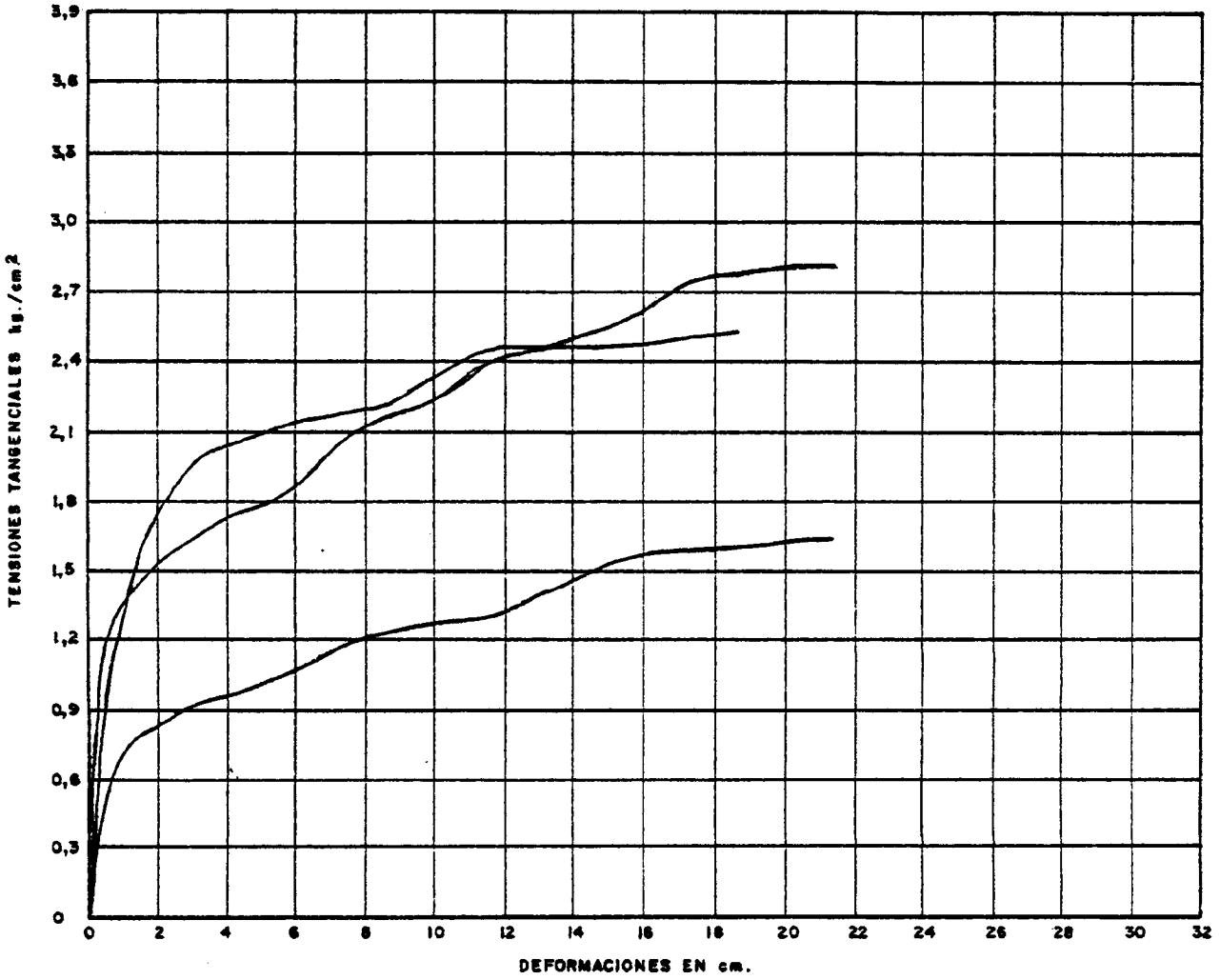
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0{,}923 + 1{,}01\ \sigma$

$\phi = 45º$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: F-6

EDAD: 24h.

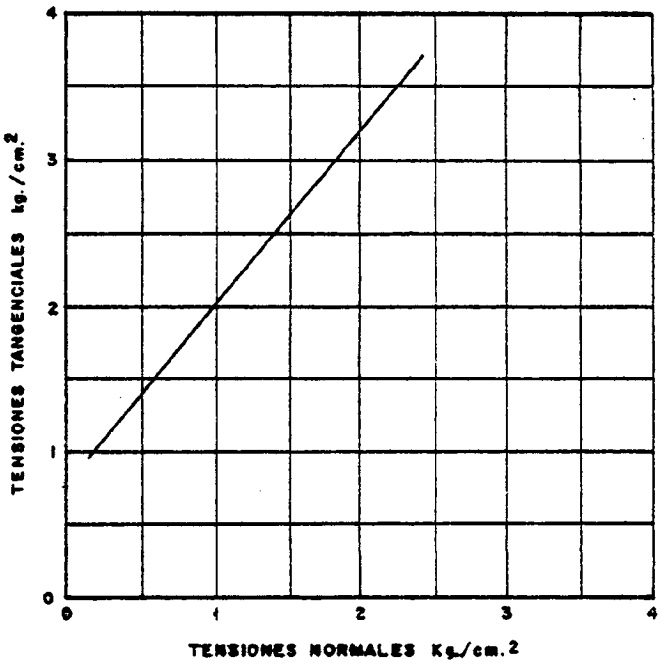
FECHA: 31-7-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
4	1,6	0,737
5		1,105
6	3,61	2,21
7	4,0	2,76

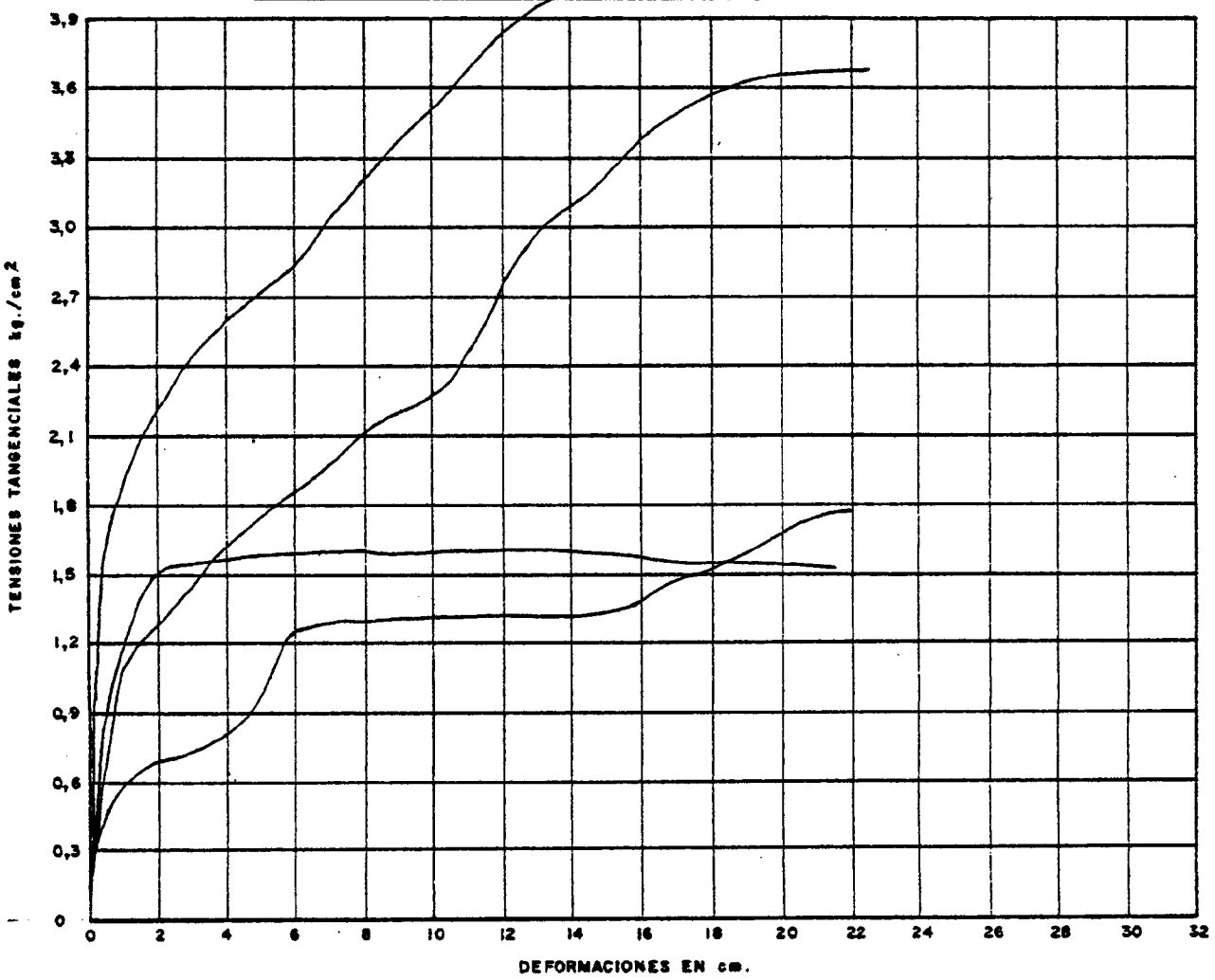
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0{,}754 + 1{,}21\ \sigma$

$\phi = 50º$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: F-7

EDAD: 12h.

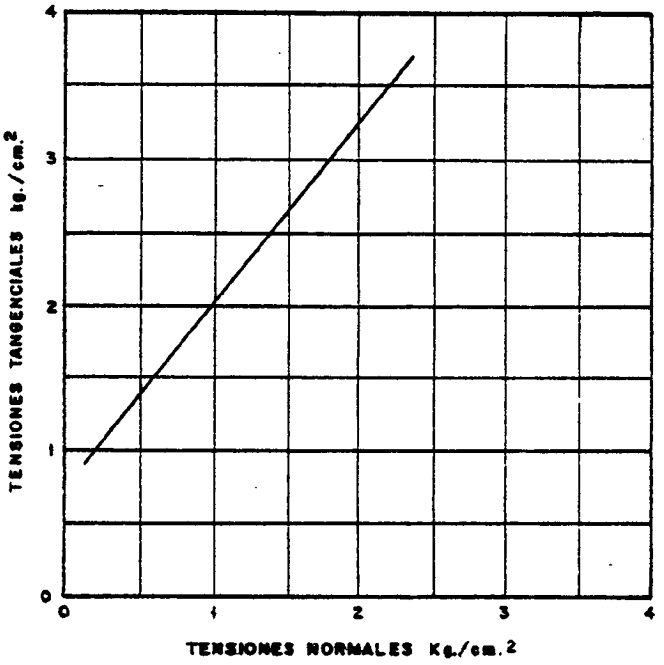
FECHA: 3-8-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
1	1,45	0,56
2	1,75	0,84
3	3,35	2,10

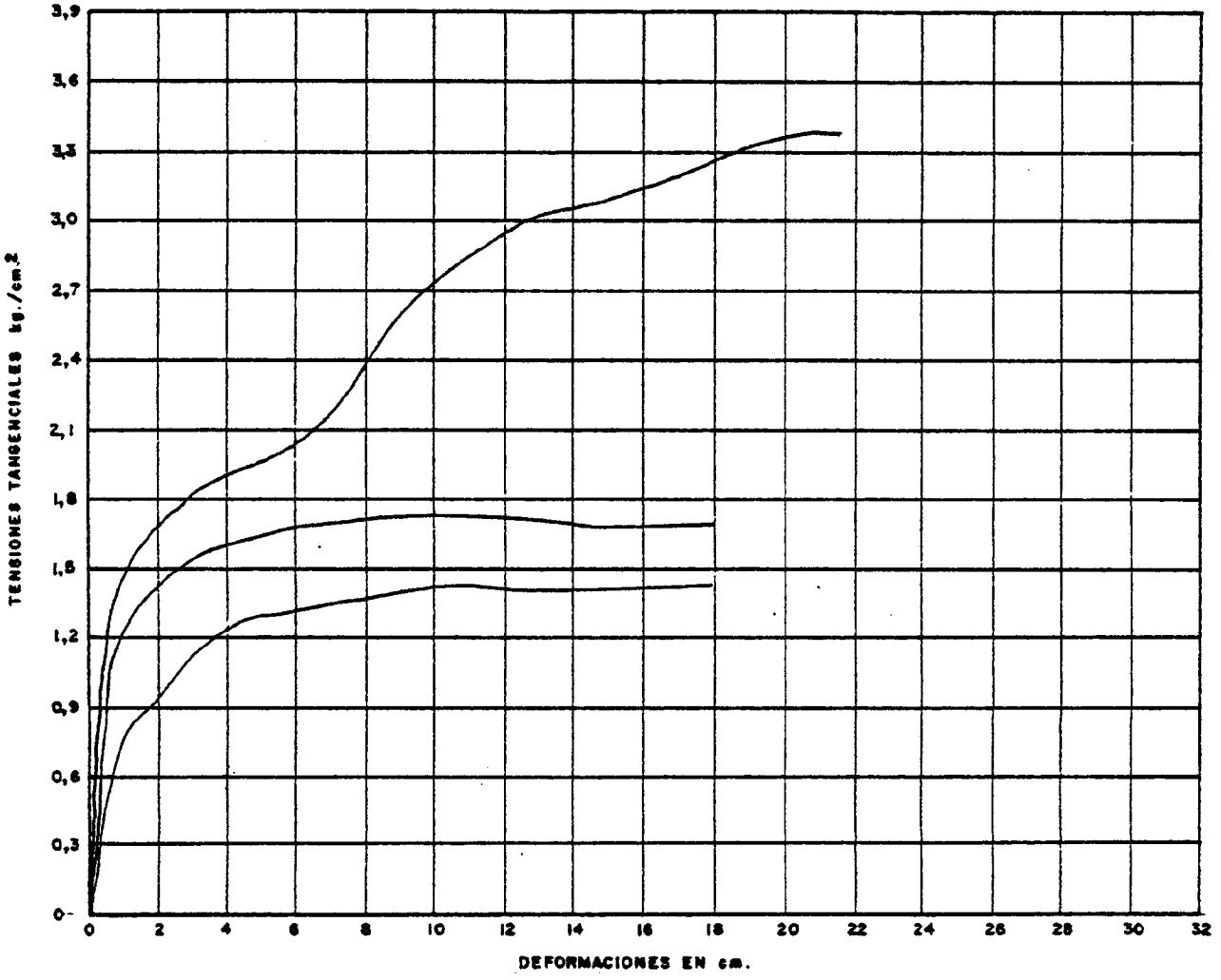
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0{,}73 + 1{,}24\,\sigma$

$\phi = 51º$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: F-7

EDAD: 24h.

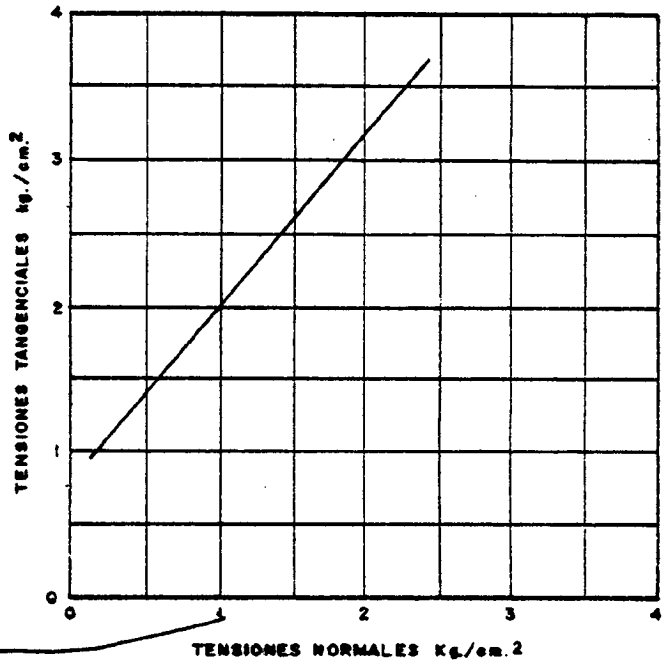
FECHA: 4 -8-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
4	1,7	0,786
5	2,2	1,18
6	3,7	2,36
7	4,3	2,95

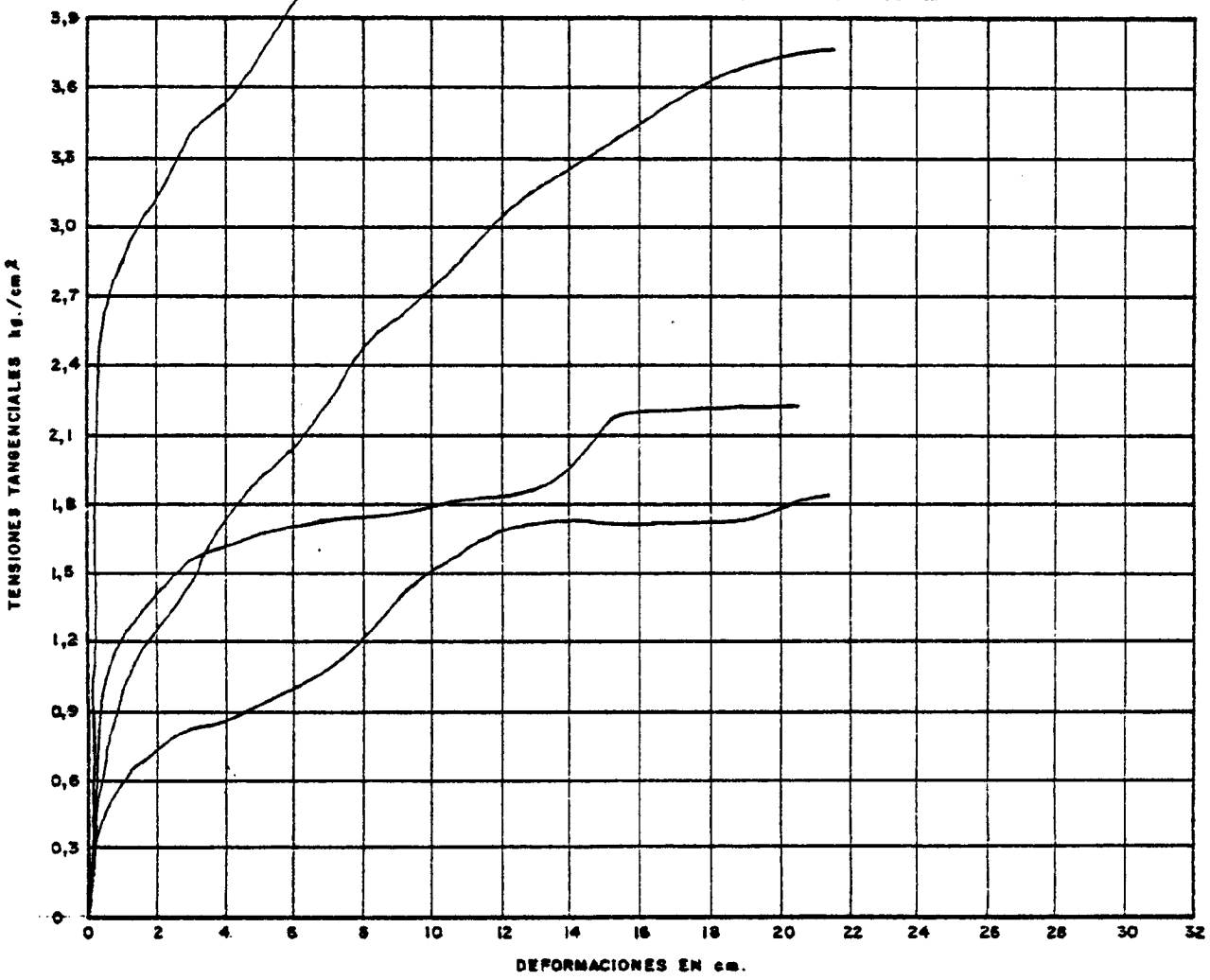
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0{,}764 + 1{,}21\,\sigma$

$\phi = 50^{\circ}$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: F-1 Bis

EDAD: 12h.

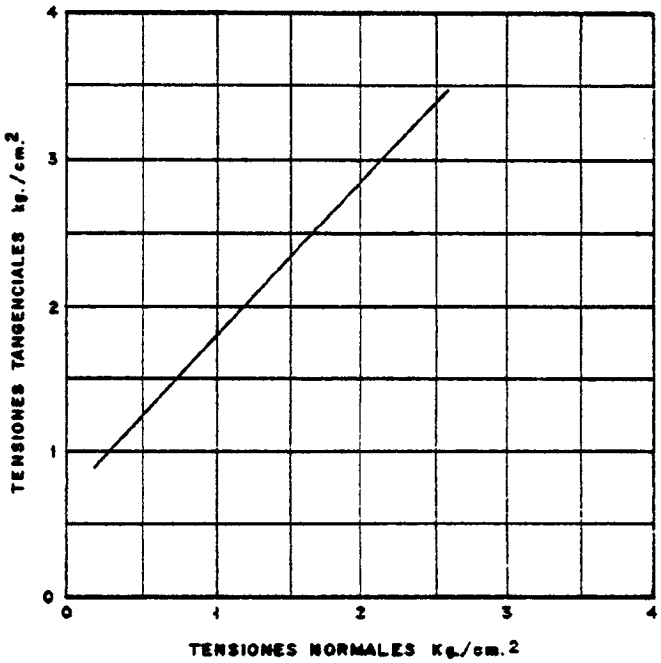
FECHA: 20-8-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
1	1,25	0,563
2	2,7	1,69
3	2,8	2,112

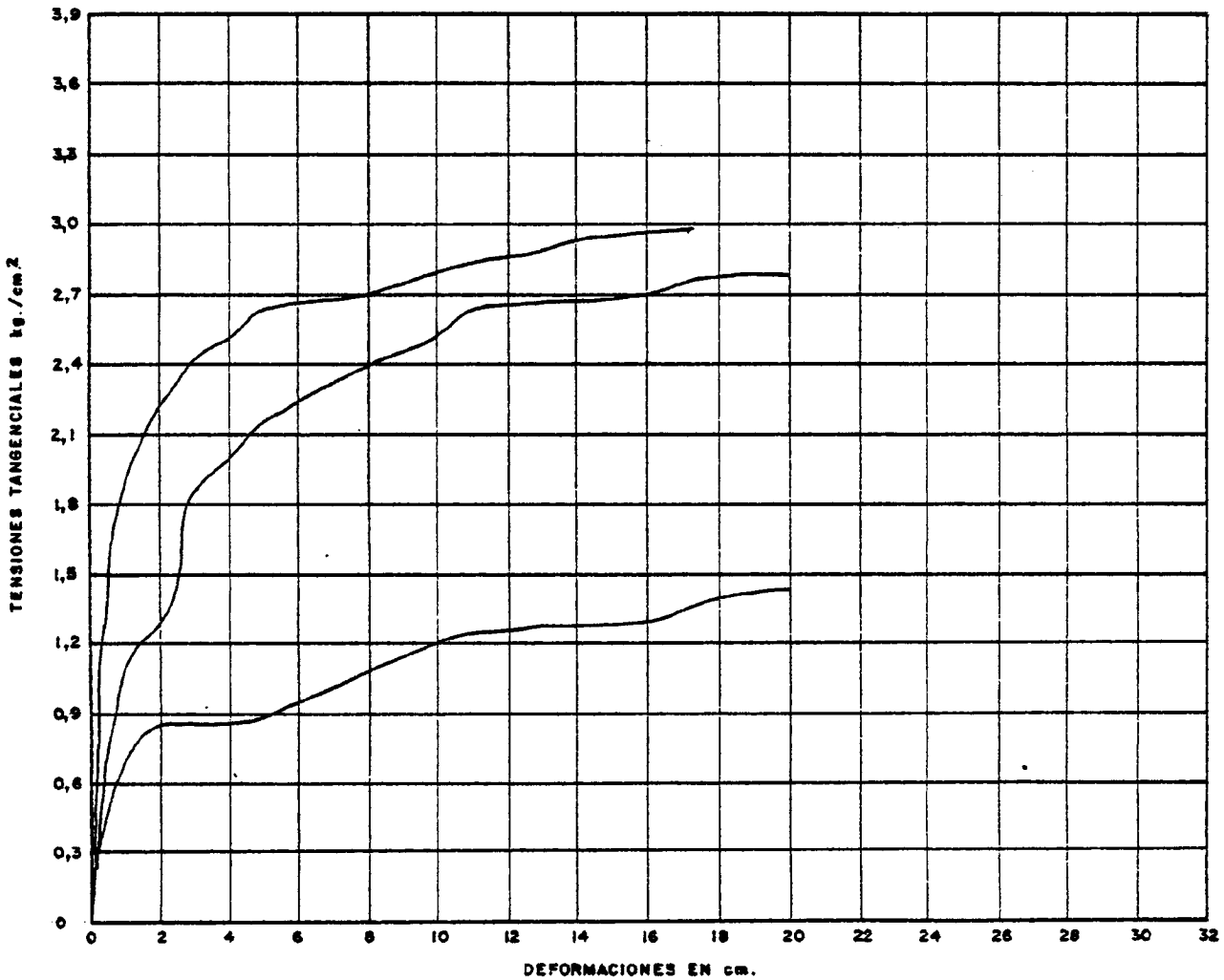
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0{,}708 + 1{,}059\ \sigma$

$\phi = 46^{\circ}$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: F-1 Bis

EDAD: 24h.

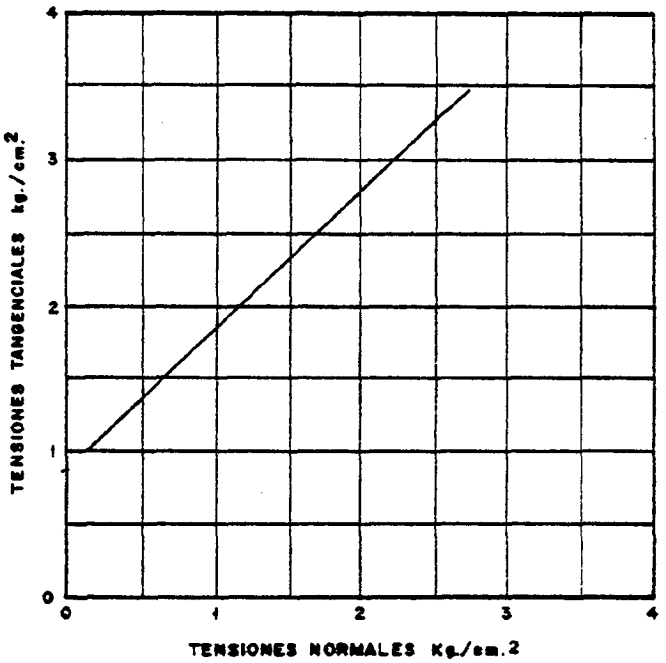
FECHA: 20-8-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
4	1,5	0,666
5	1,9	1,00
6	2,45	2,00
7	3,4	2,50

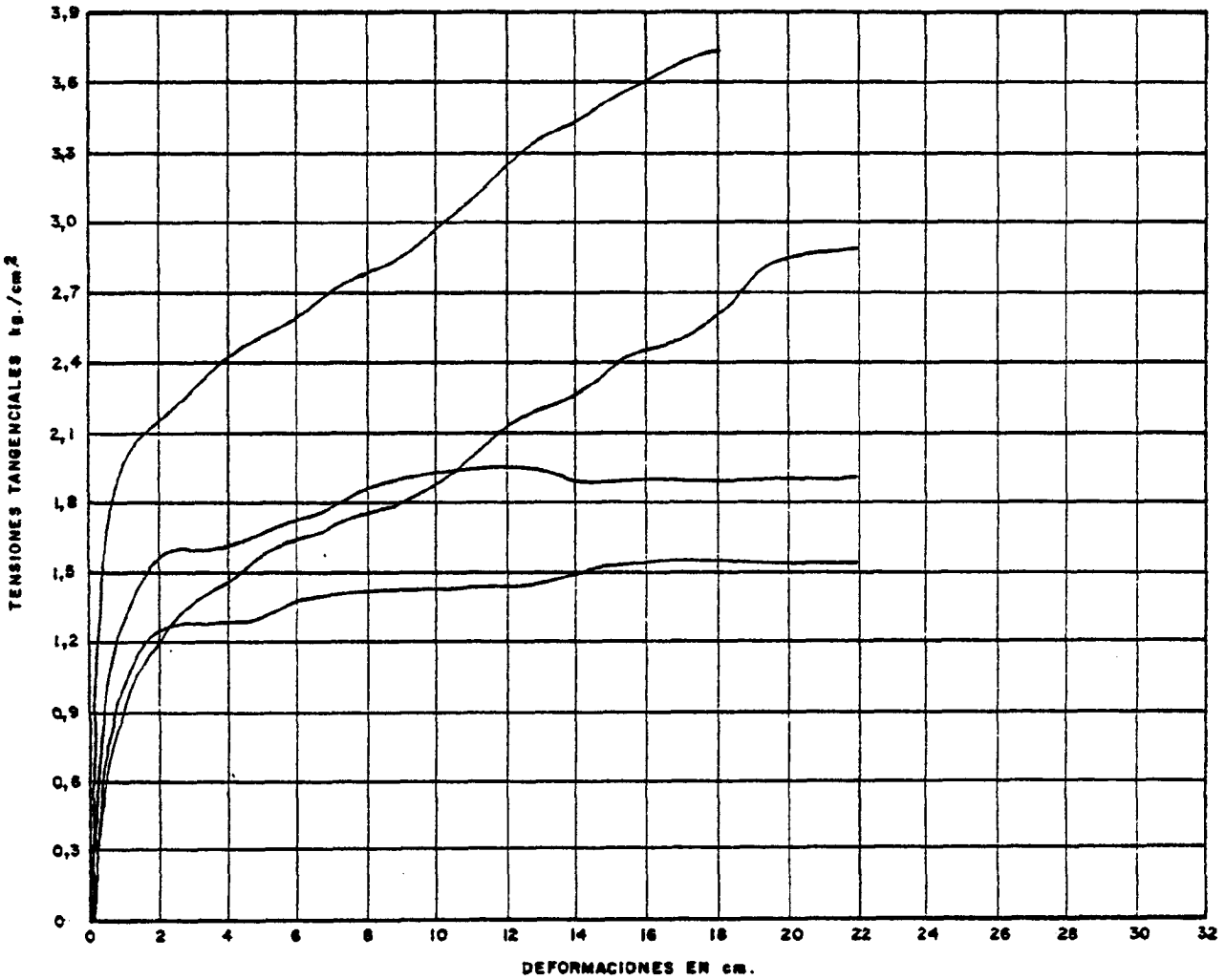
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0{,}875 + 0{,}932\sigma$

$\phi = 43^{\circ}$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: F-1 Bis

EDAD: 7 días

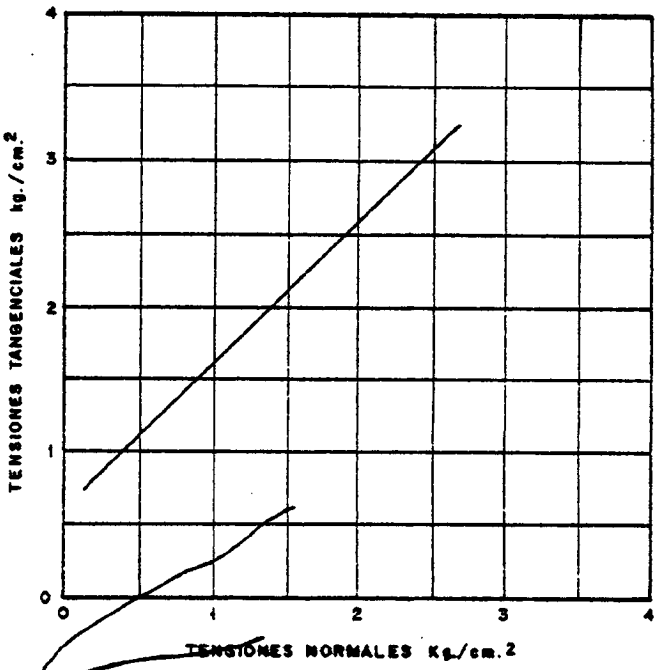
FECHA: 26-8-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
8	1,8	1,10
9	2,0	1,65
10	4,2	3,30
11	4,5	4,125

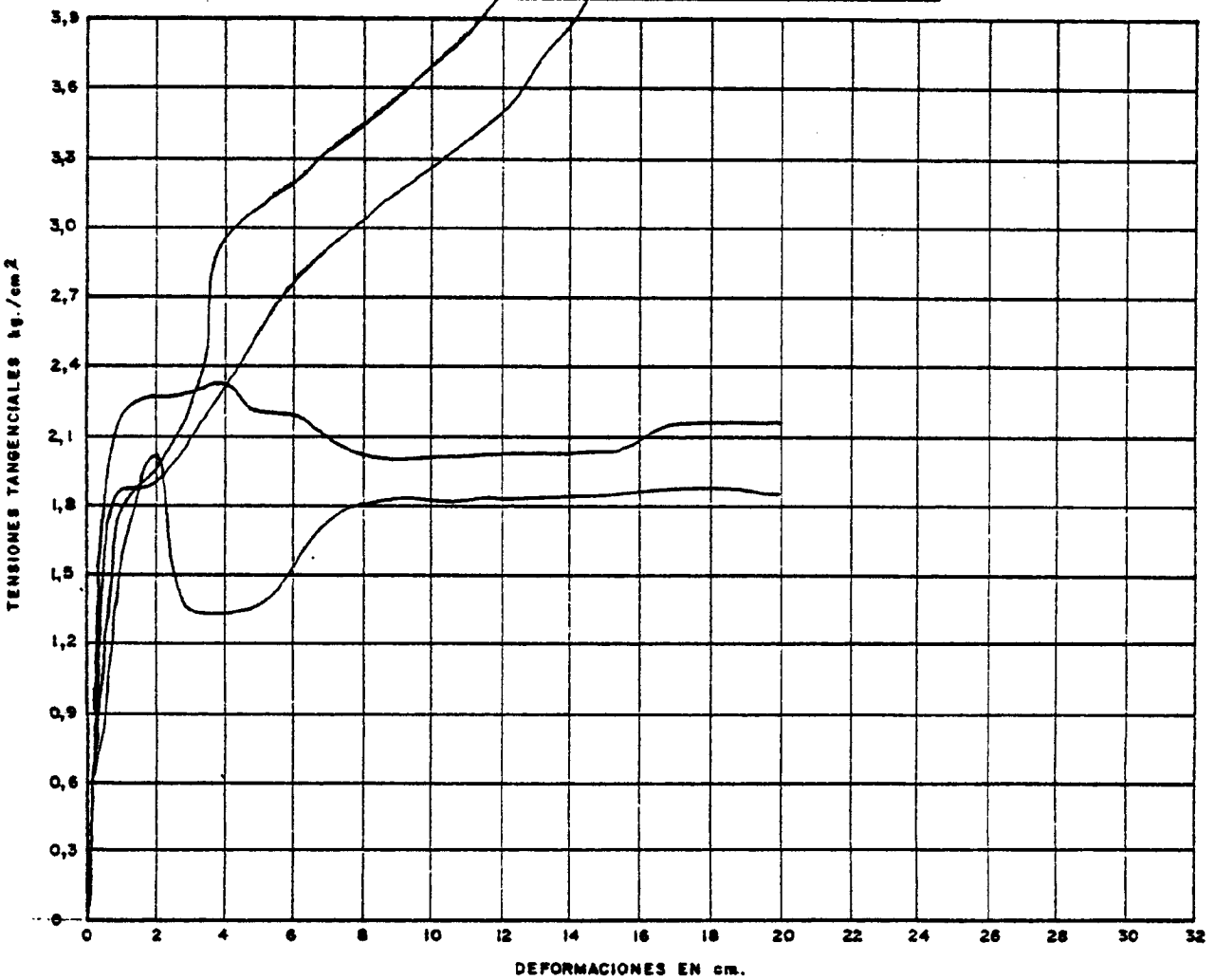
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0{,}602 + 0{,}99\,\sigma$

$\phi = 44º$



REPRESENTACION DE LOS ENSAYOS DE CORTE



I.2.2.- Estériles de escombrera de tipo B.

ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: F-3

EDAD: 12h.

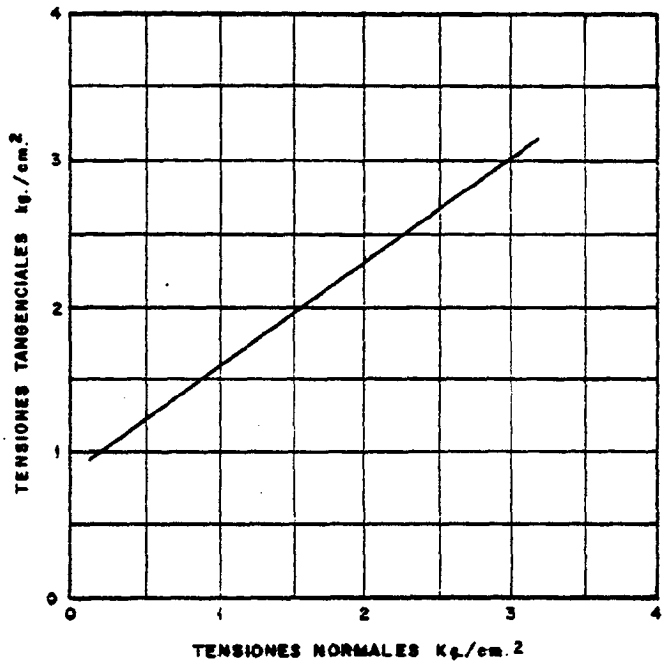
FECHA: 23-7-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
1	1,2	0,51
2	1,3	0,59
3	1,9	1,47

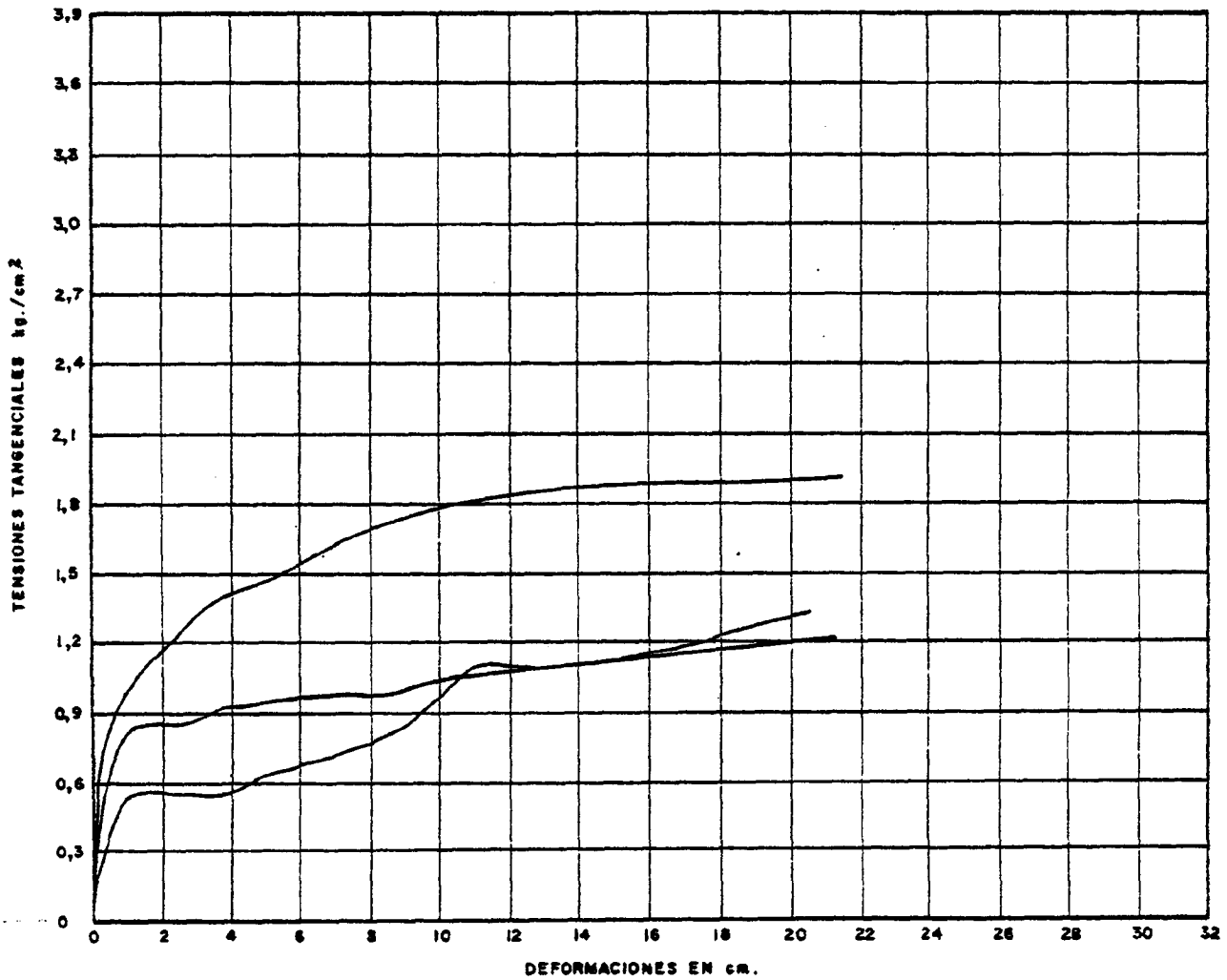
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0{,}858 + 0{,}709\ \sigma$

$\phi = 35º$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: F-3

EDAD: 24h.

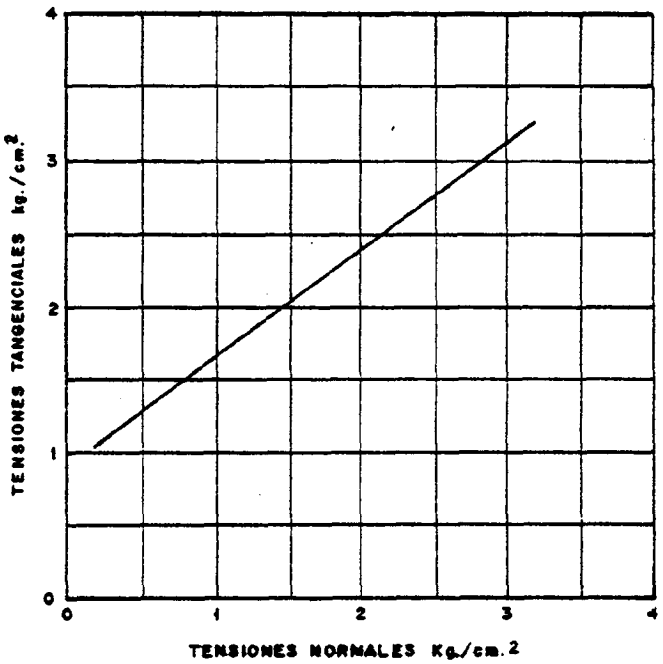
FECHA: 24-7-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
4	1,45	0,77
5	2,05	1,54
6	2,3	1,925

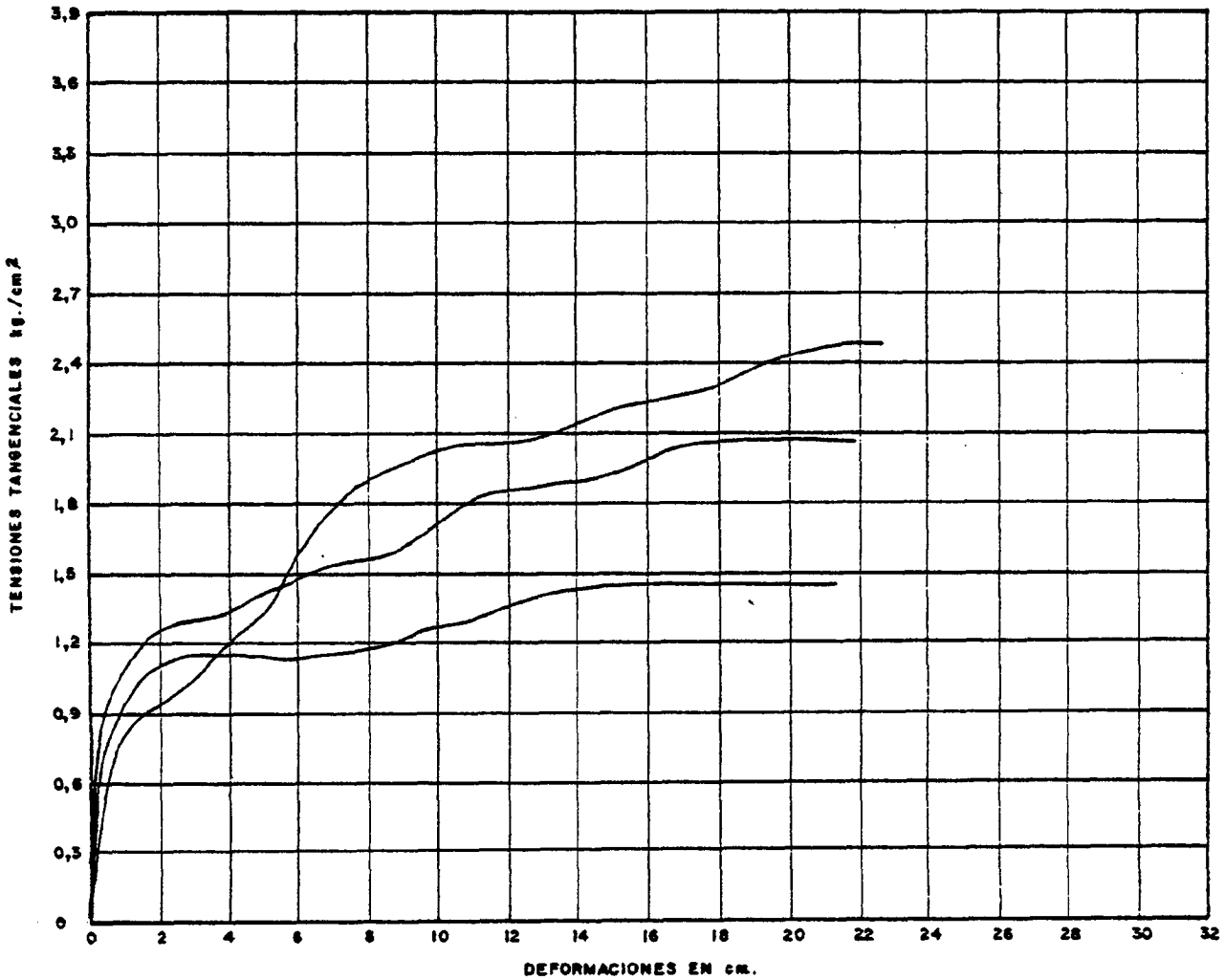
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0{,}882 + 0{,}74\ \sigma$

$\phi = 36º$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: F-8

EDAD: 12h.

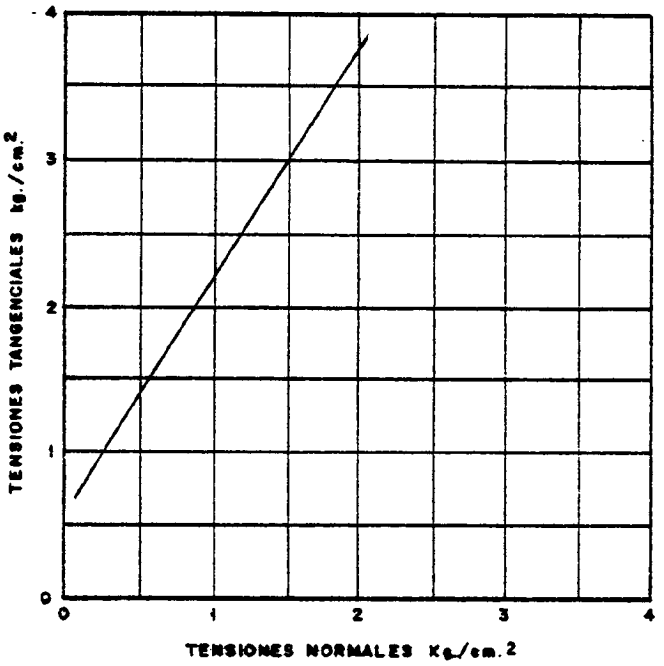
FECHA: 11-8-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
1	1,18	0,378
2	2,5	1,16
3	3,25	1,74

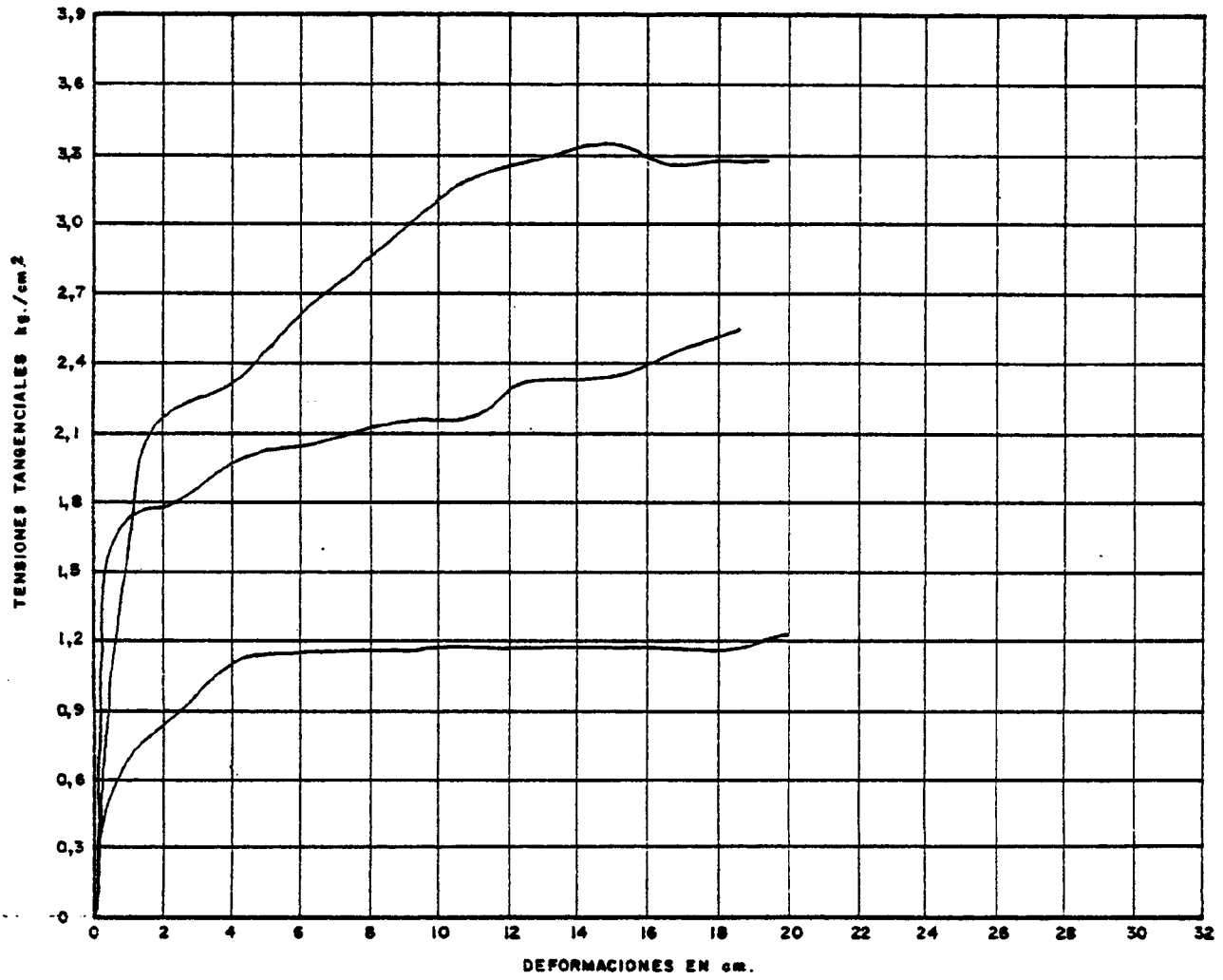
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0{,}623 + 1{,}54\,\sigma$

$\phi = 57º$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: F-8

EDAD: 24h.

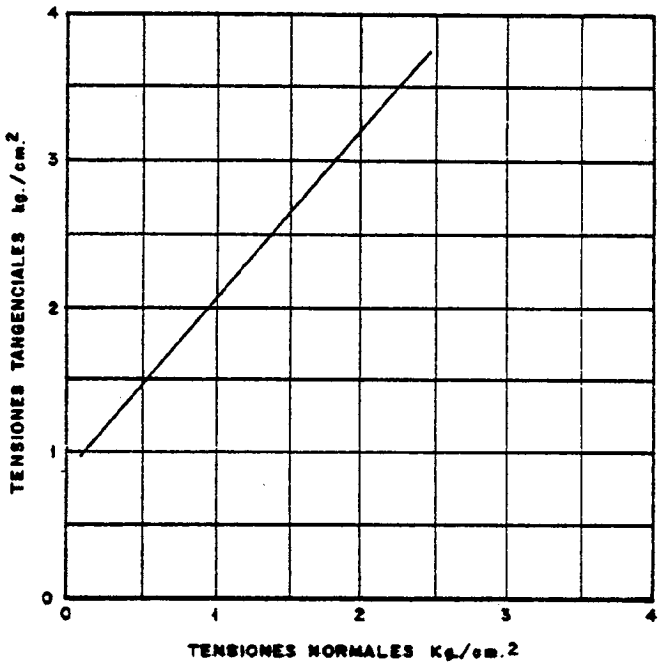
FECHA: 12-8-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
4	1,45	0,543
5	1,8	0,815
6	3,0	1,63
7	3,1	2,037

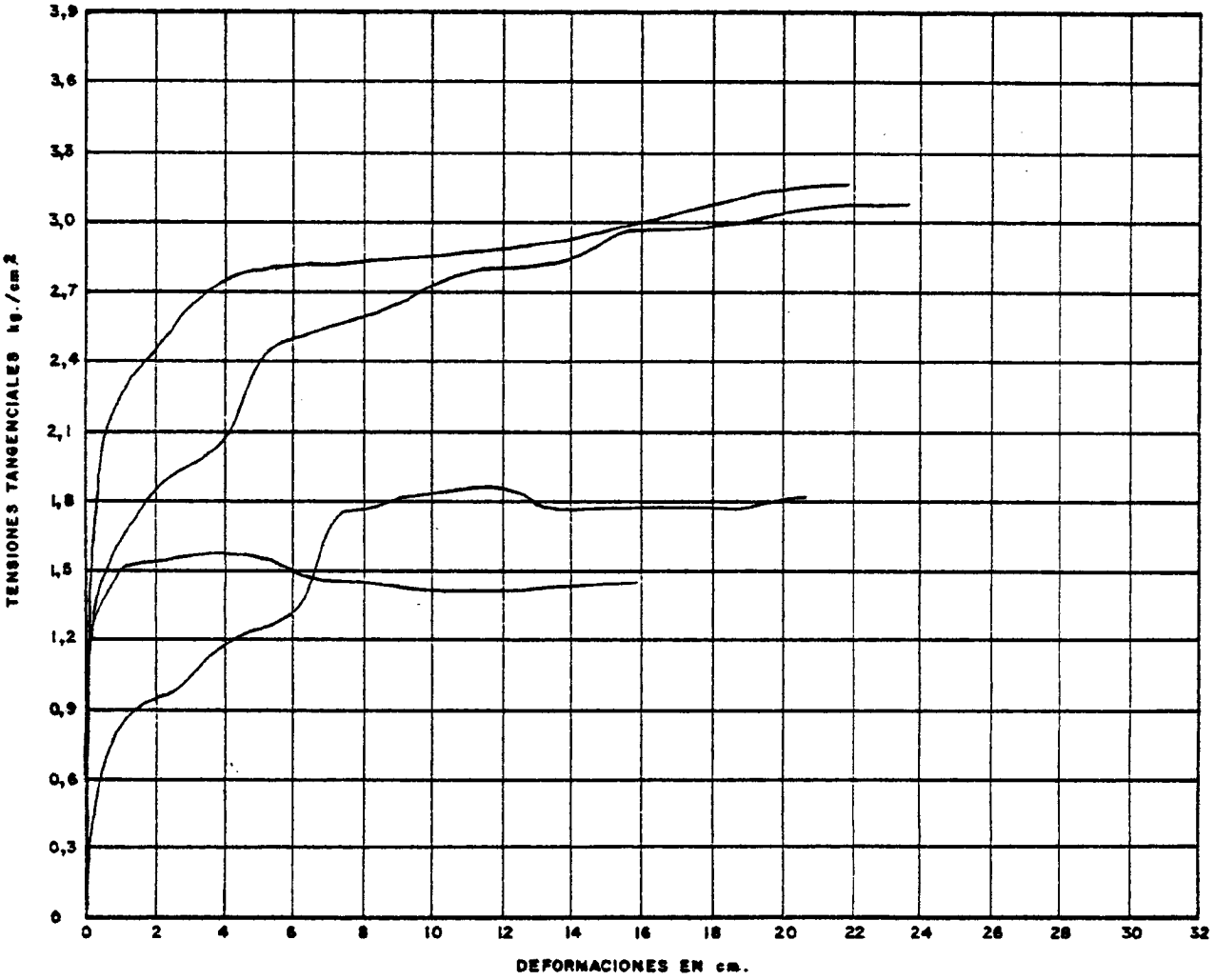
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0{,}856 + 1{,}79\ \sigma$

$\phi = 49º$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: F-9

EDAD: 12h.

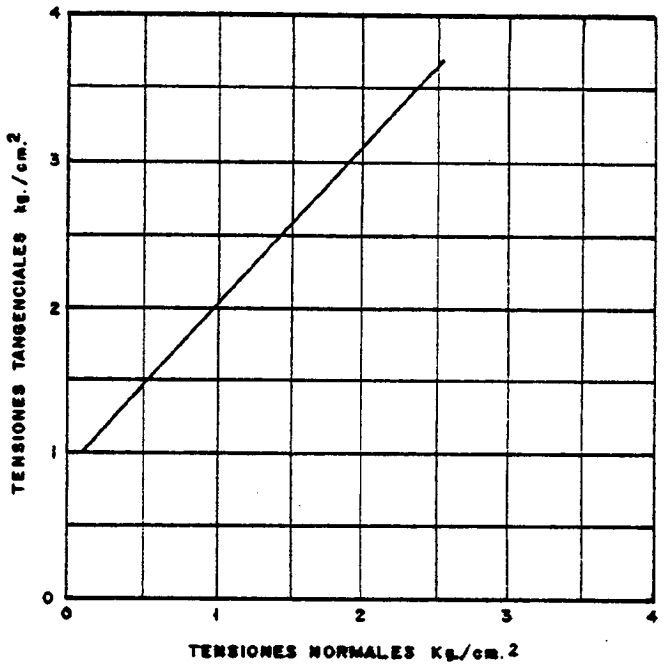
FECHA: 12-8-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
1	1,25	0,413
2	2,4	1,24
3	2,8	1,86

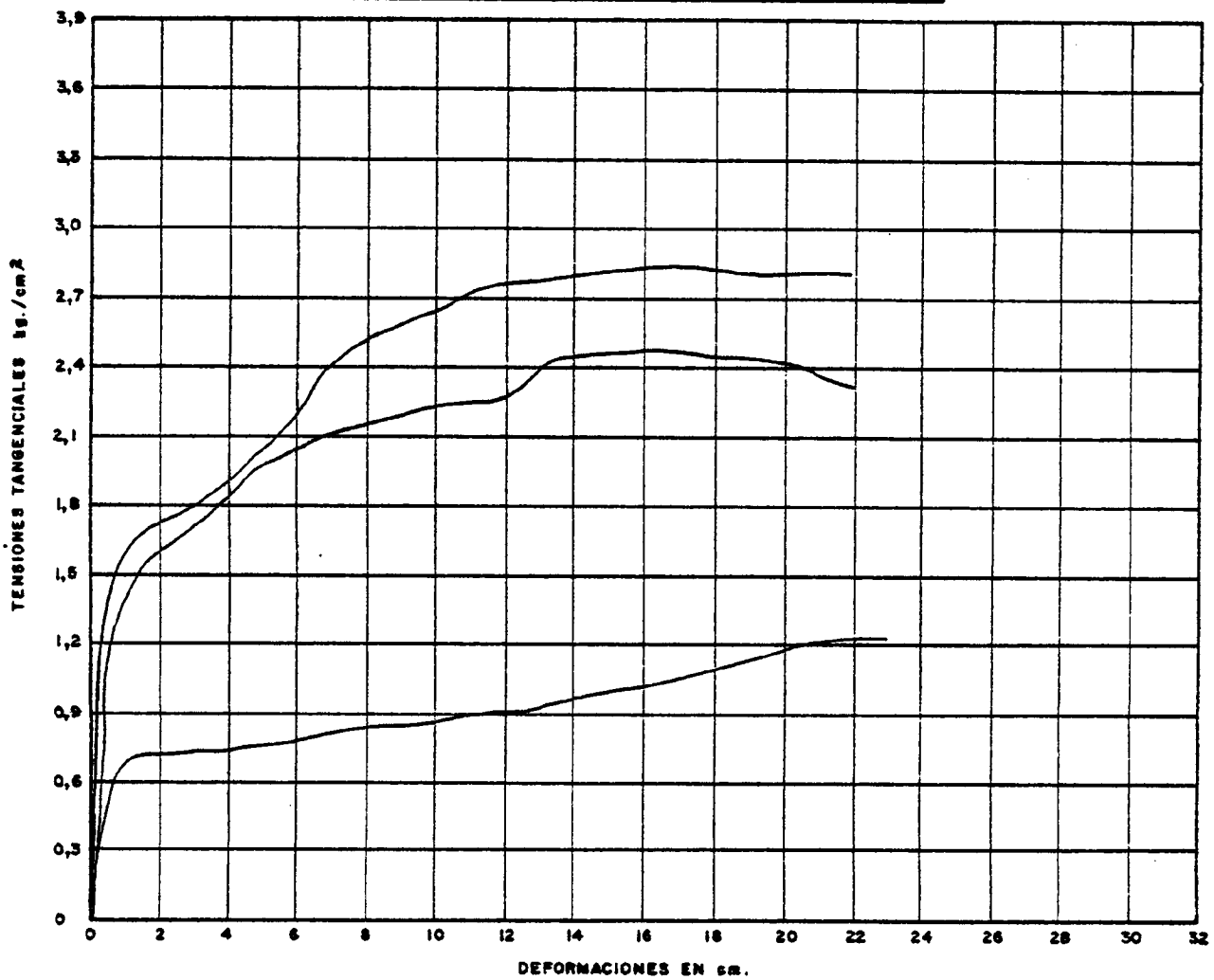
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0{,}876 + 1{,}087\sigma$

$\phi = 47º$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: F-9

EDAD: 24h.

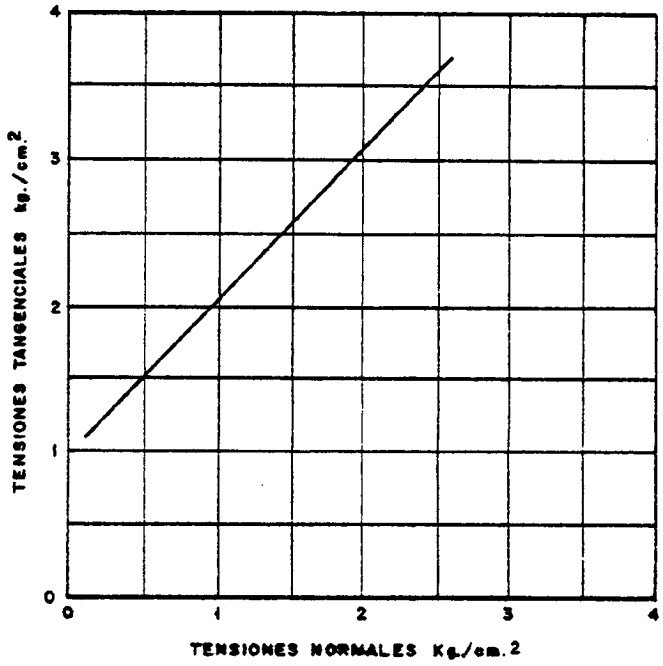
FECHA: 13-8-81

ESTIMACION DE LA CURVA INTRINSECA

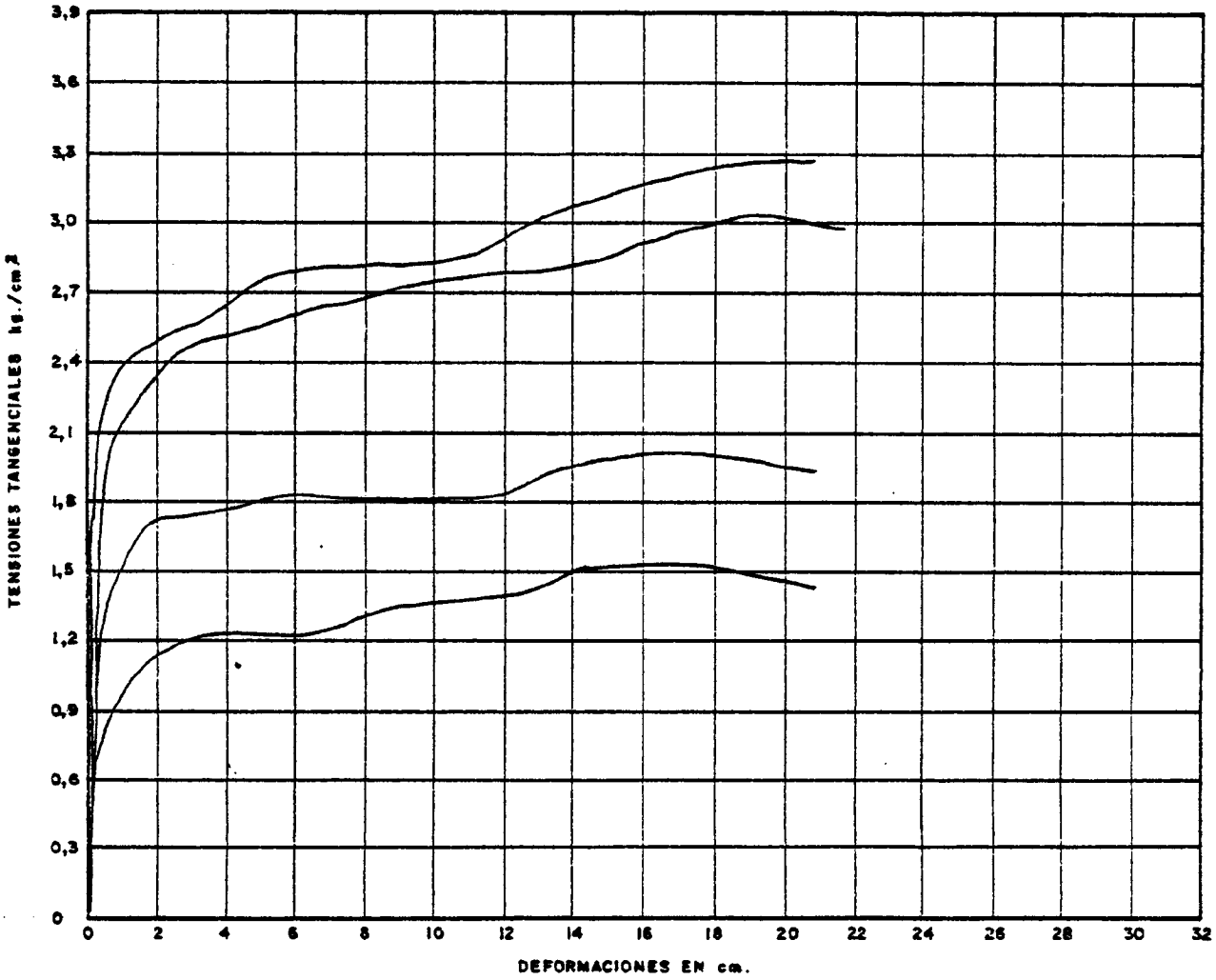
$\tau = 0{,}96 + 1{,}05\ \sigma$

$\phi = 46^{\circ}$

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
4	1,5	0,607
5	2,0	0,910
6	3,0	1,82
7	3,25	2,275



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: F-9

EDAD: 7 días

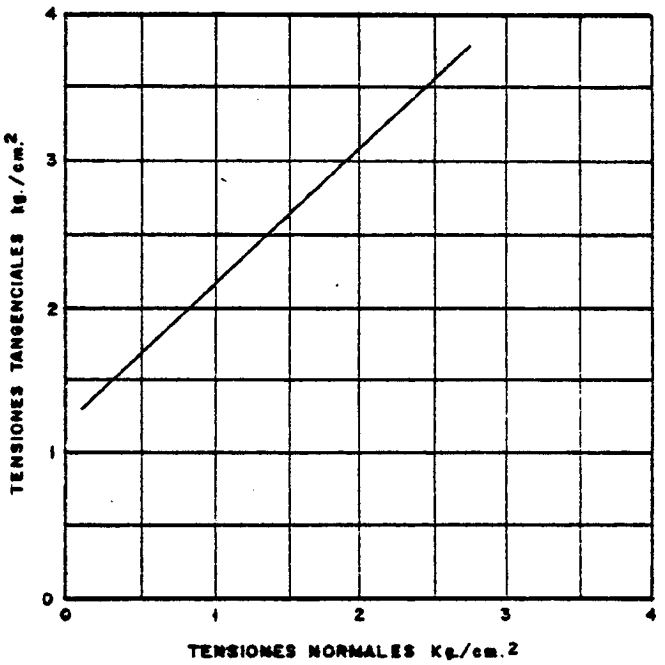
FECHA: 19-8-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
8	2,0	0,88
9	2,4	1,32
10	3,7	2,64
11	4,2	3,30

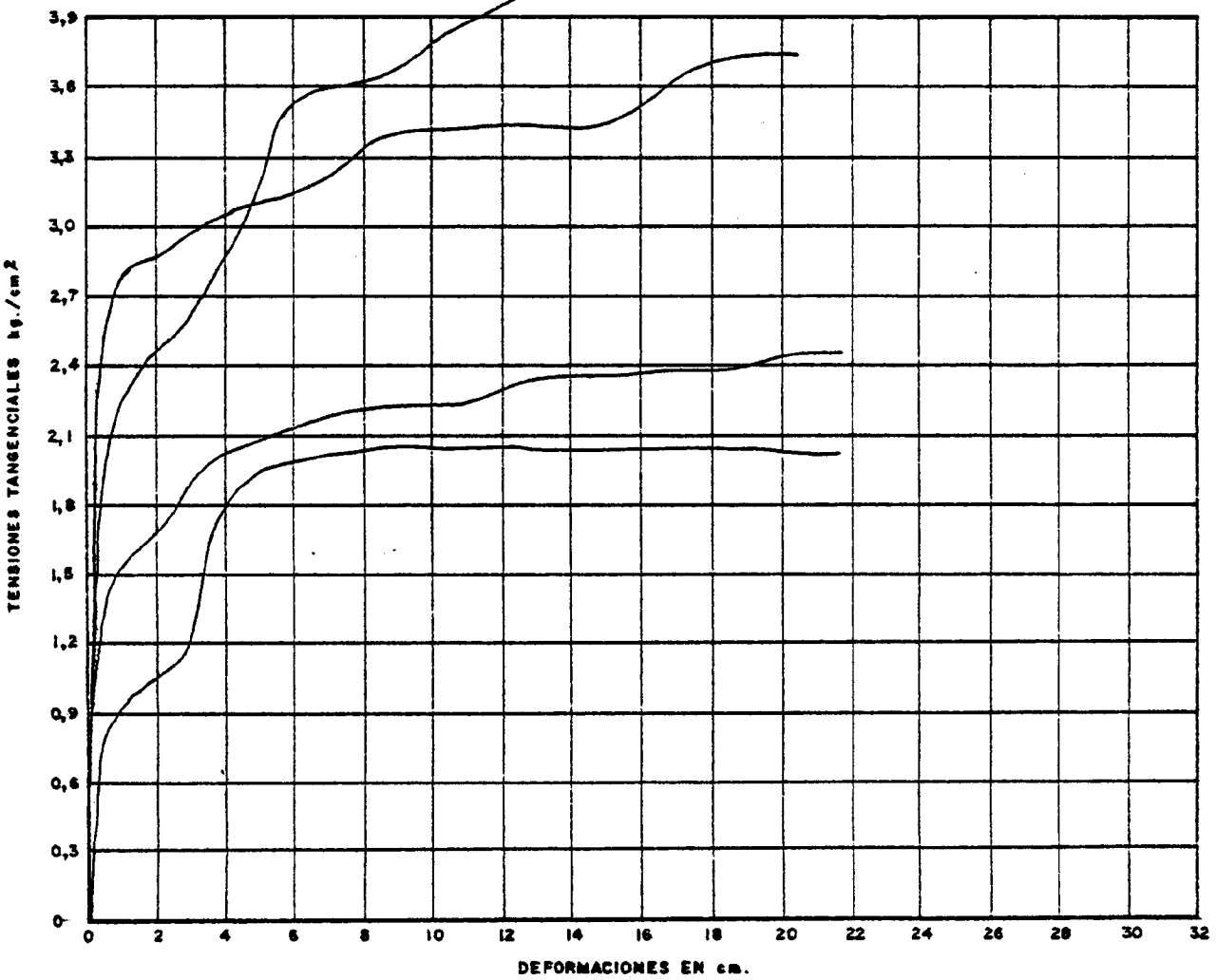
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 1{,}19 + 0{,}925\,\sigma$

$\phi = 42{,}7°$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: T-2

EDAD: 12h.

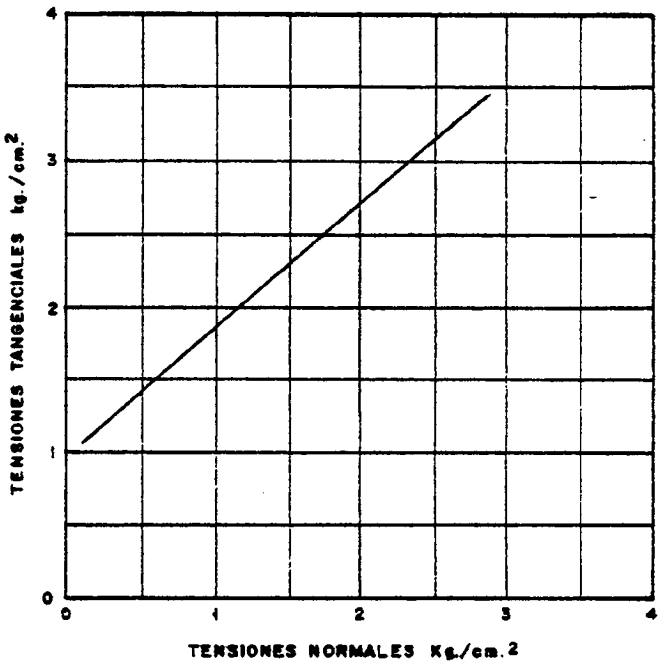
FECHA: 19-8-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
1	1,45	0,535
2	1,9	1,07
3	2,2	1,402

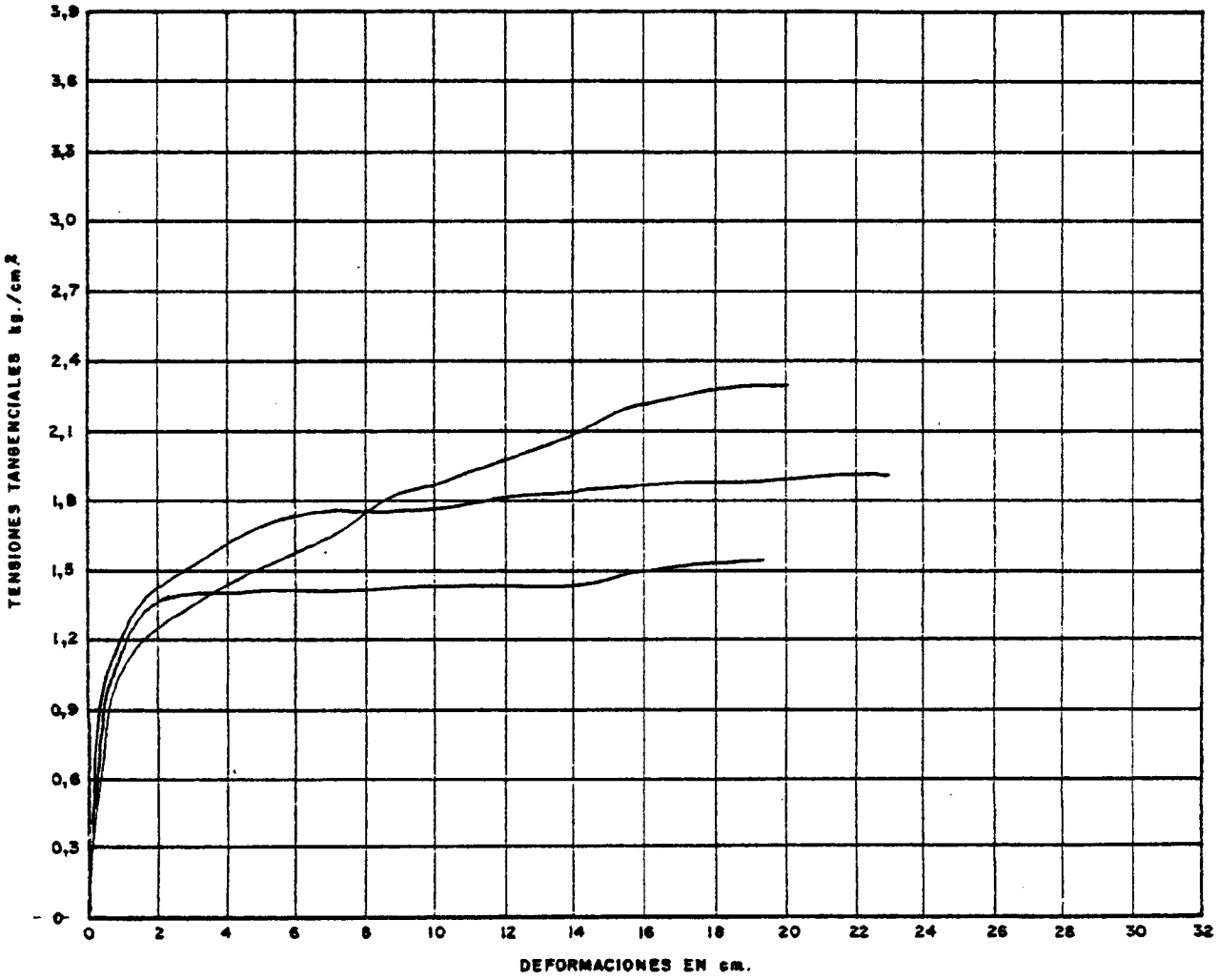
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0{,}985 + 0{,}862\ \sigma$

$\phi = 40º$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: T-2

EDAD: 24h.

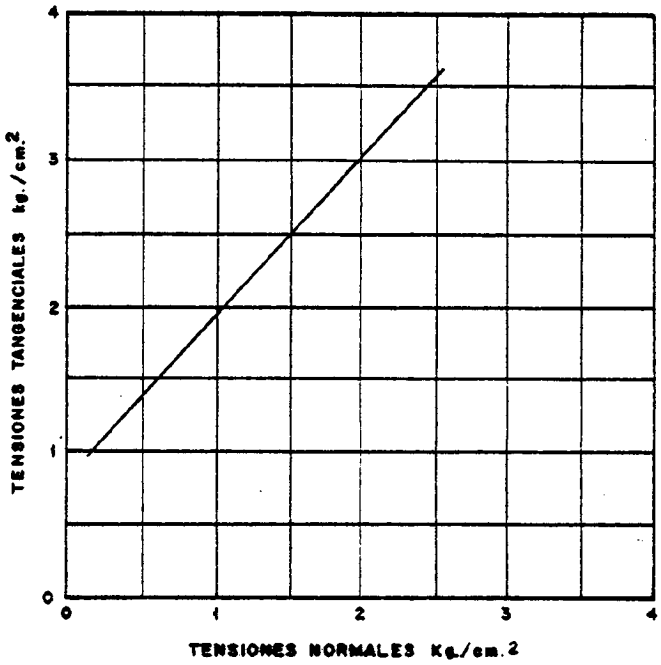
FECHA: 20-8-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
4	1,35	0,64
5	2,35	1,28
6	2,95	1,92
7	3,45	2,56

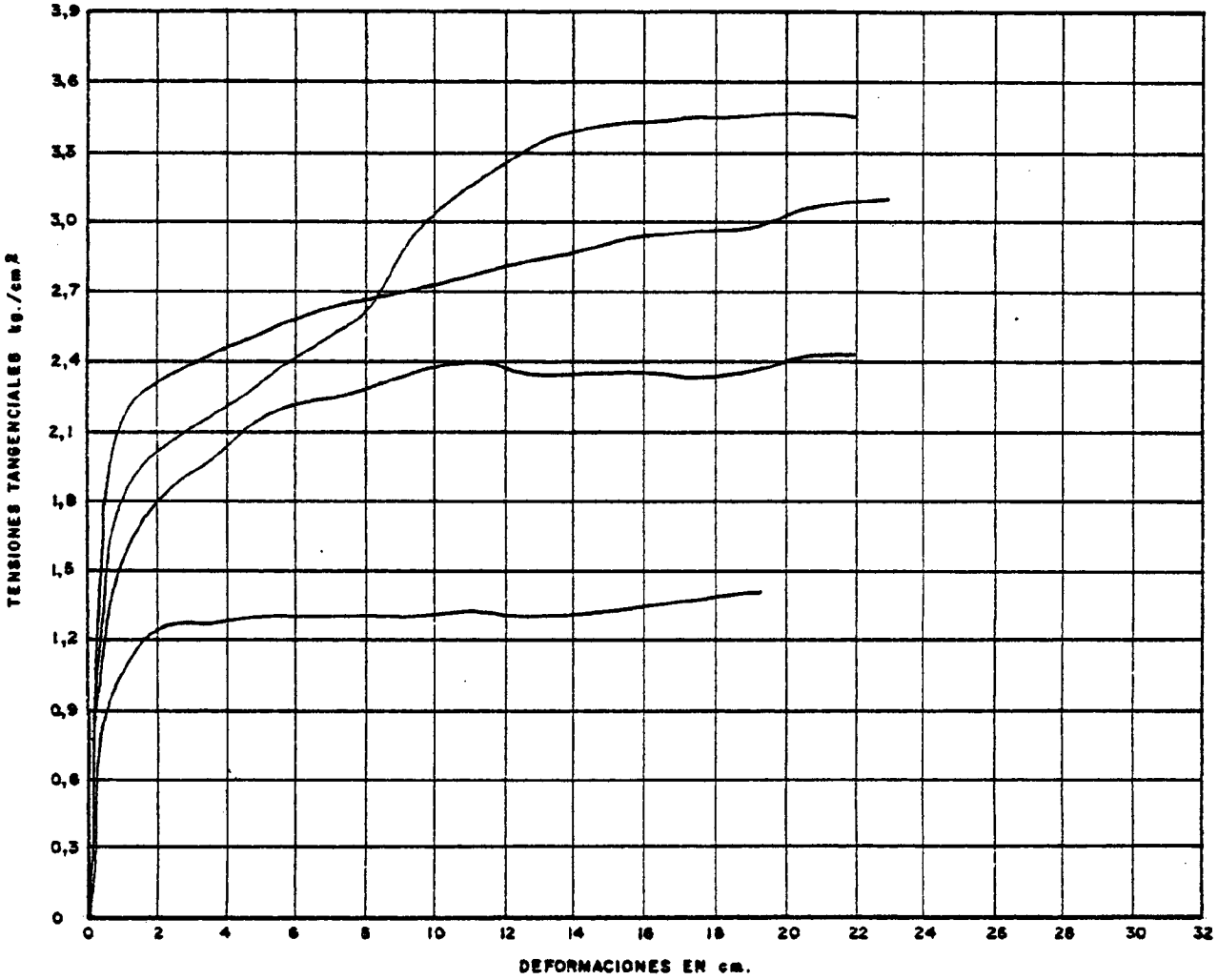
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0,8 + 1,078\sigma$

$\phi = 47º$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: T-2

EDAD: 7 días

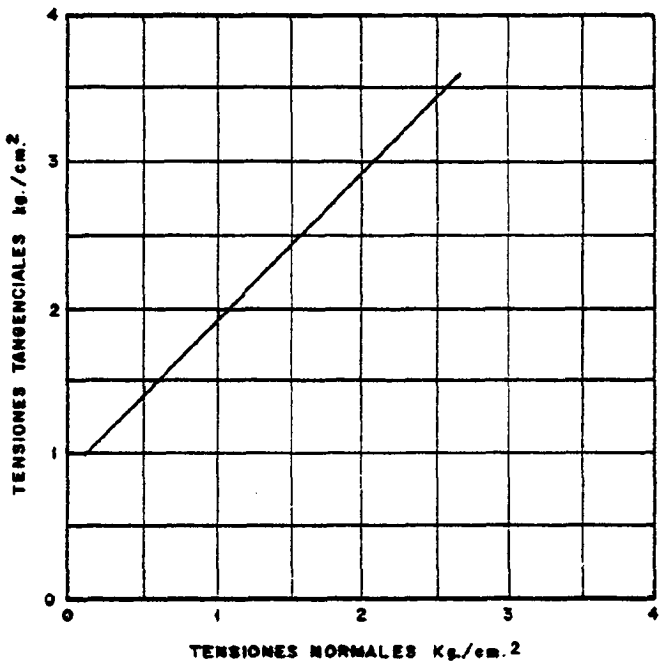
FECHA: 26-8-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
8	1,4	0,69
9	2,1	1,035
10	3,0	2,07
11	3,4	2,587

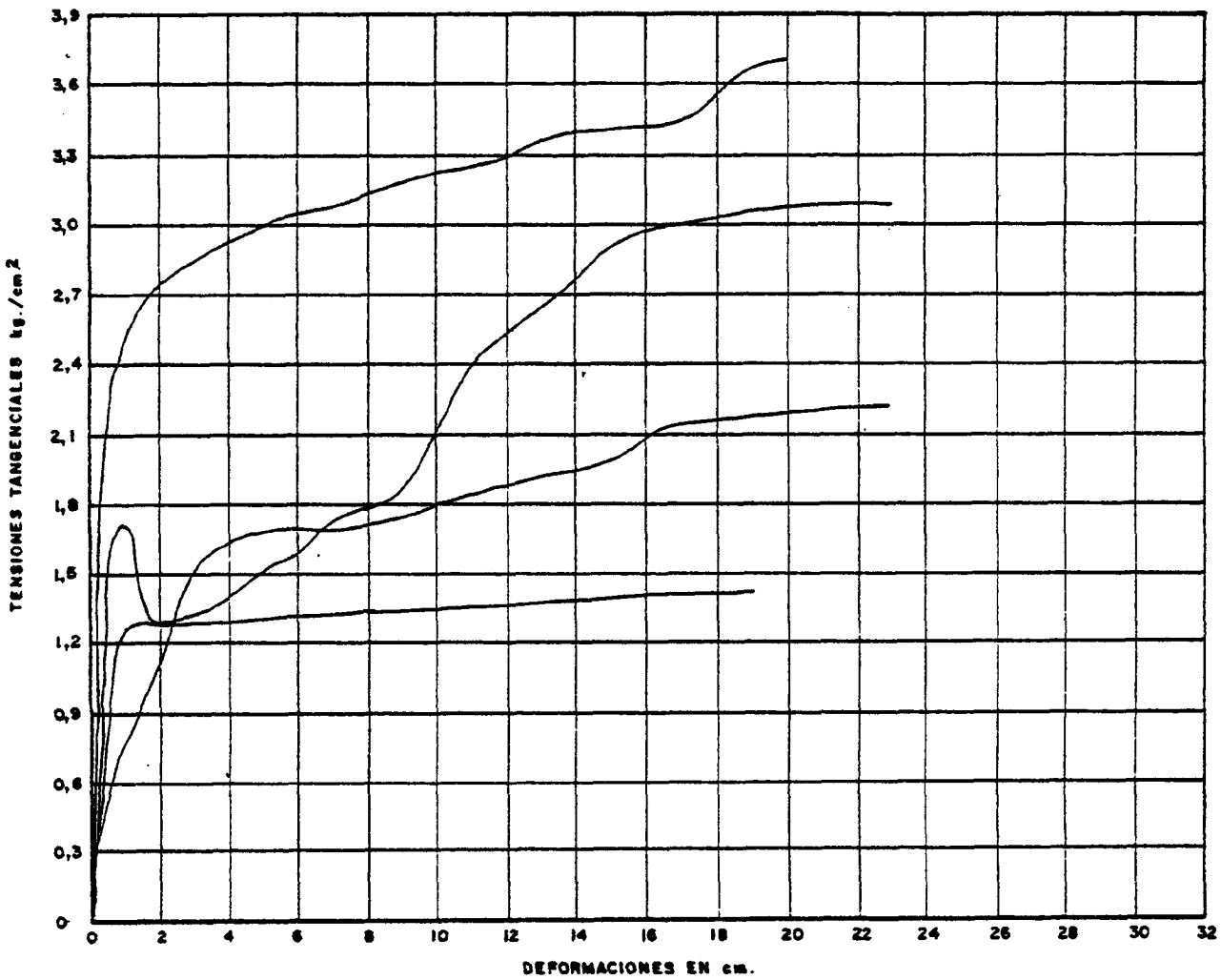
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0{,}874 + 1{,}003\sigma$

$\phi = 45º$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: T-1 Bis

EDAD: 12h.

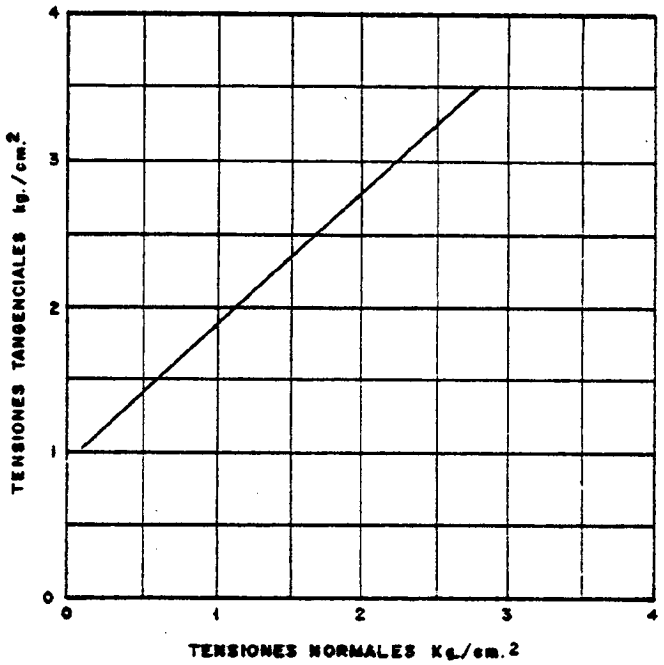
FECHA: 24-8-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
1	1,4	0,54
2	2,05	1,08
3	2,4	1,62

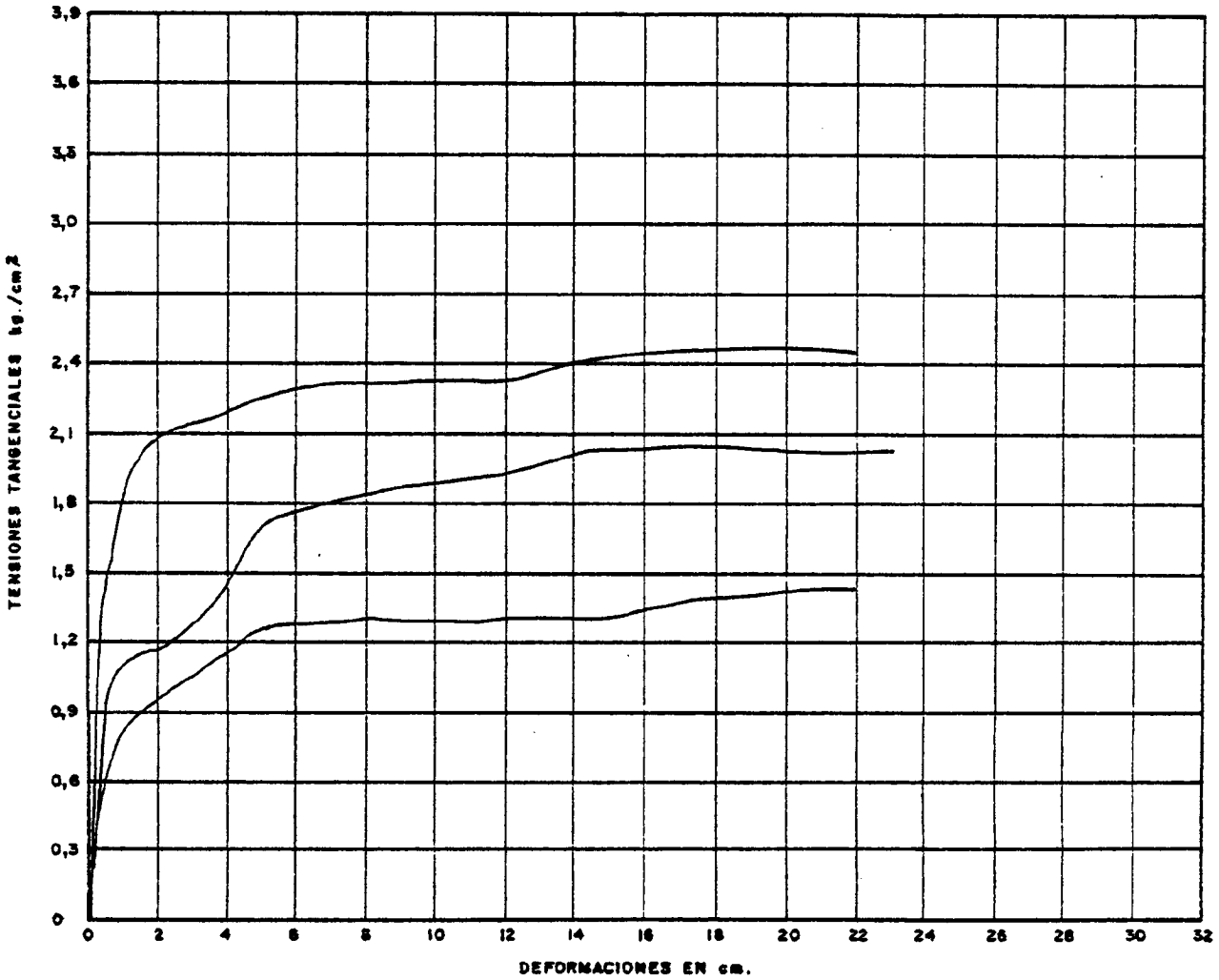
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0{,}95 + 0{,}925\ \sigma$

$\phi = 42º$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: T-1 Bis

EDAD: 24h.

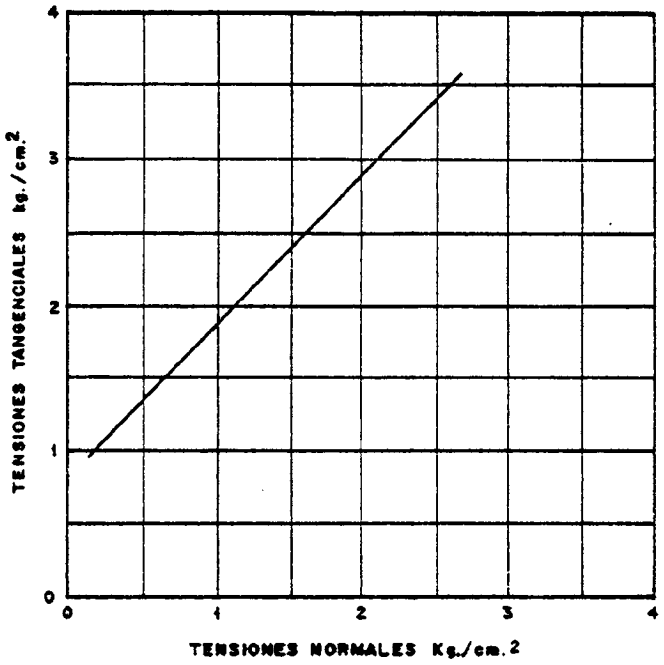
FECHA: 25-8-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
4	1,45	0,623
5	1,8	0,936
6	2,6	1,87
7	3,25	2,337

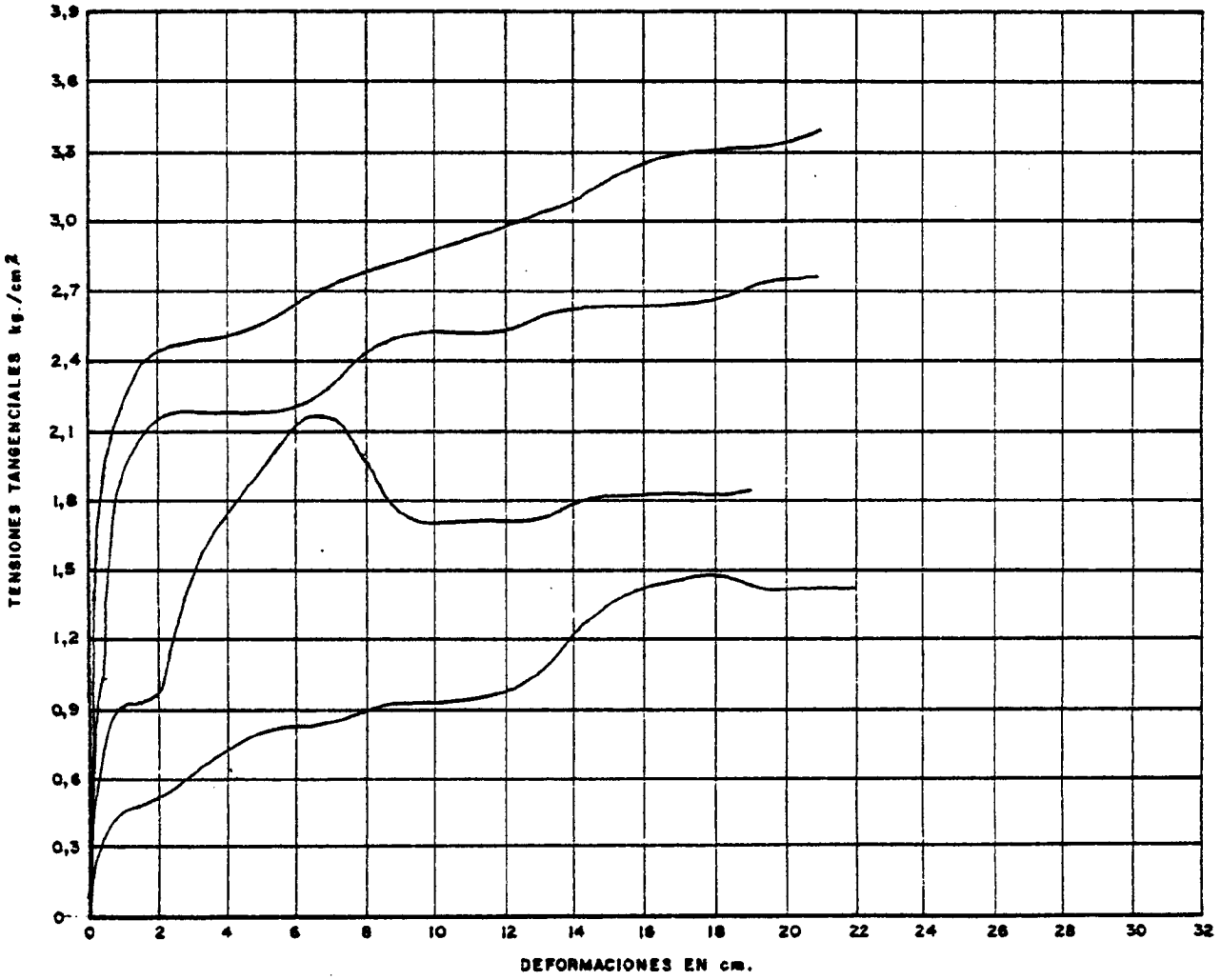
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0{,}821 + 1{,}008\sigma$

$\phi = 45º$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: T-1 Bis

EDAD: 7 Días

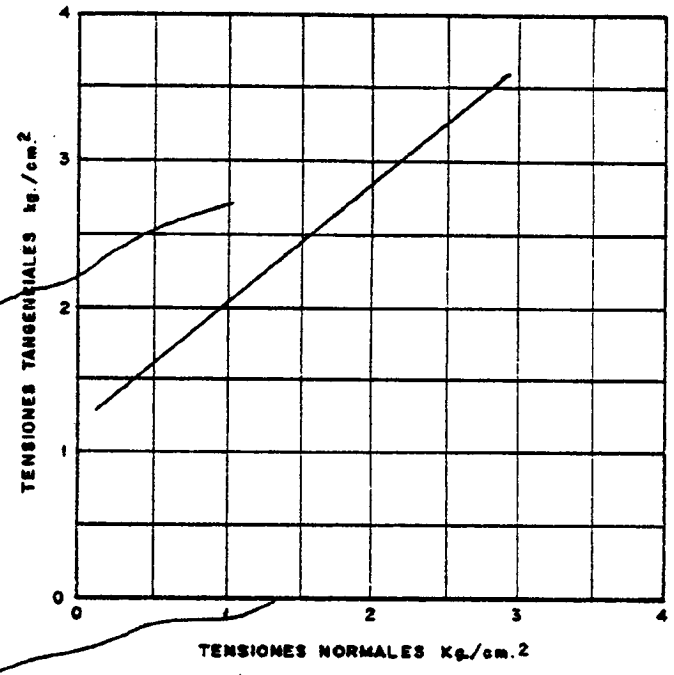
FECHA: 31-8-81

ESTIMACION DE LA CURVA INTRINSECA

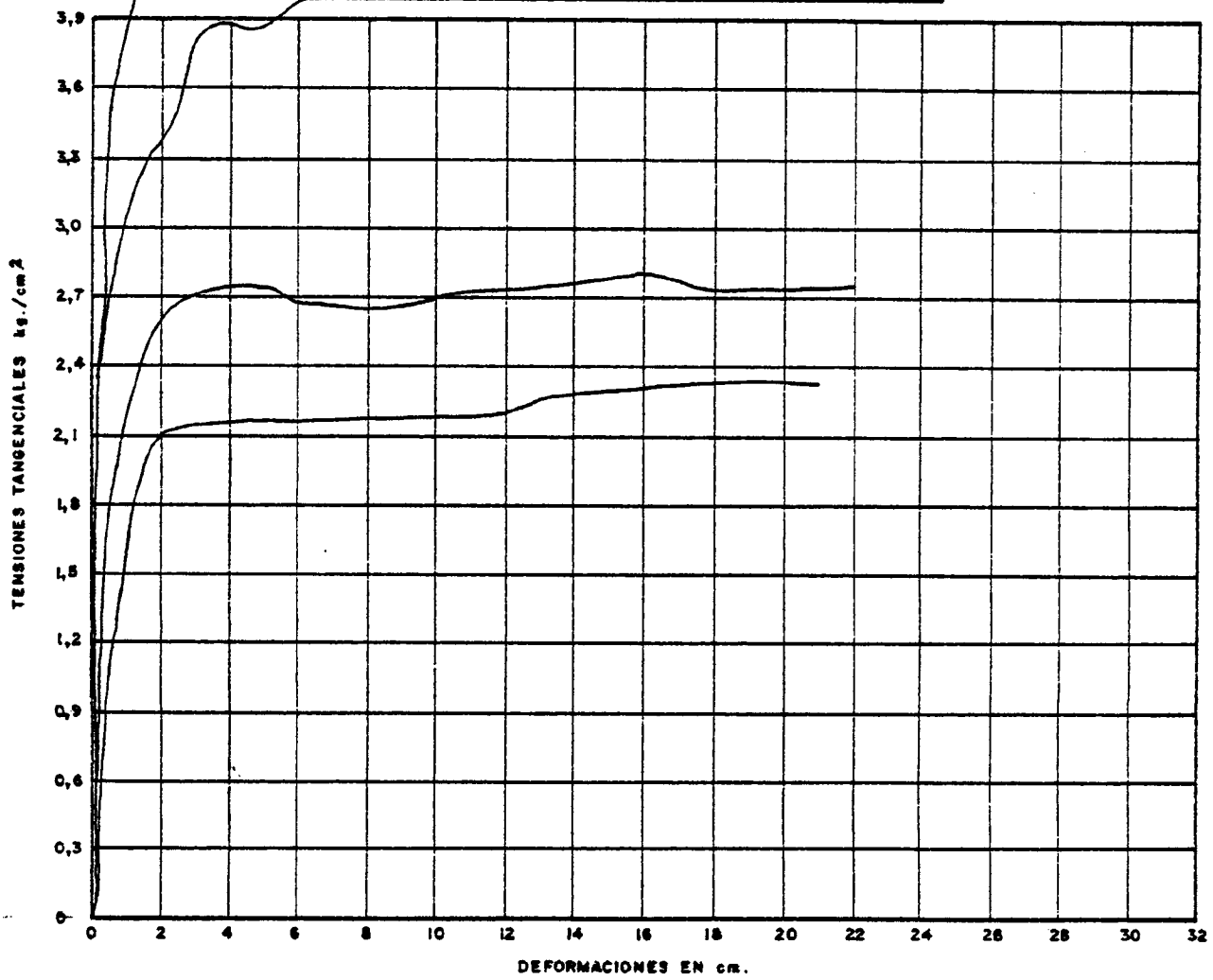
$\tau = 1{,}18 + 0{,}81\ \sigma$

$\phi = 39º$

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
8	2,35	1,28
9	2,7	1,92
10	4,1	3,84
11	5,3	4,80



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: T-3 Bis

EDAD: 12h.

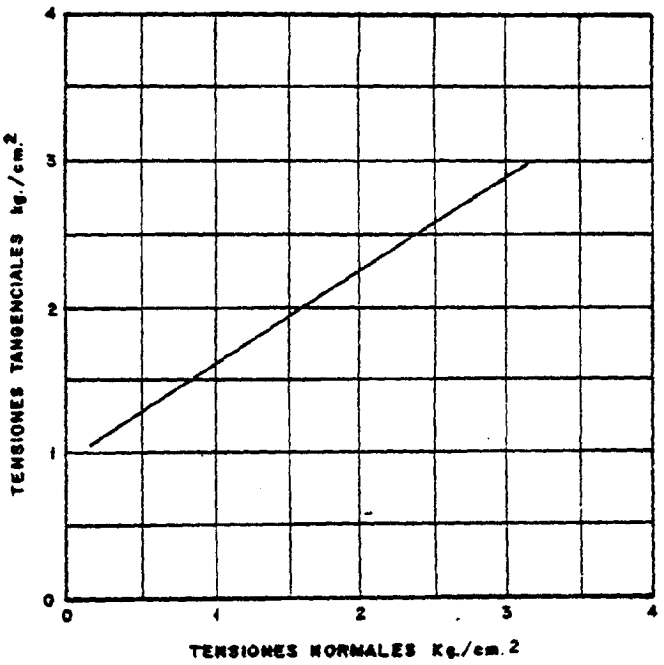
FECHA: 25-8-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
1	1,25	0,44
2	1,45	0,88
3	1,8	1,32

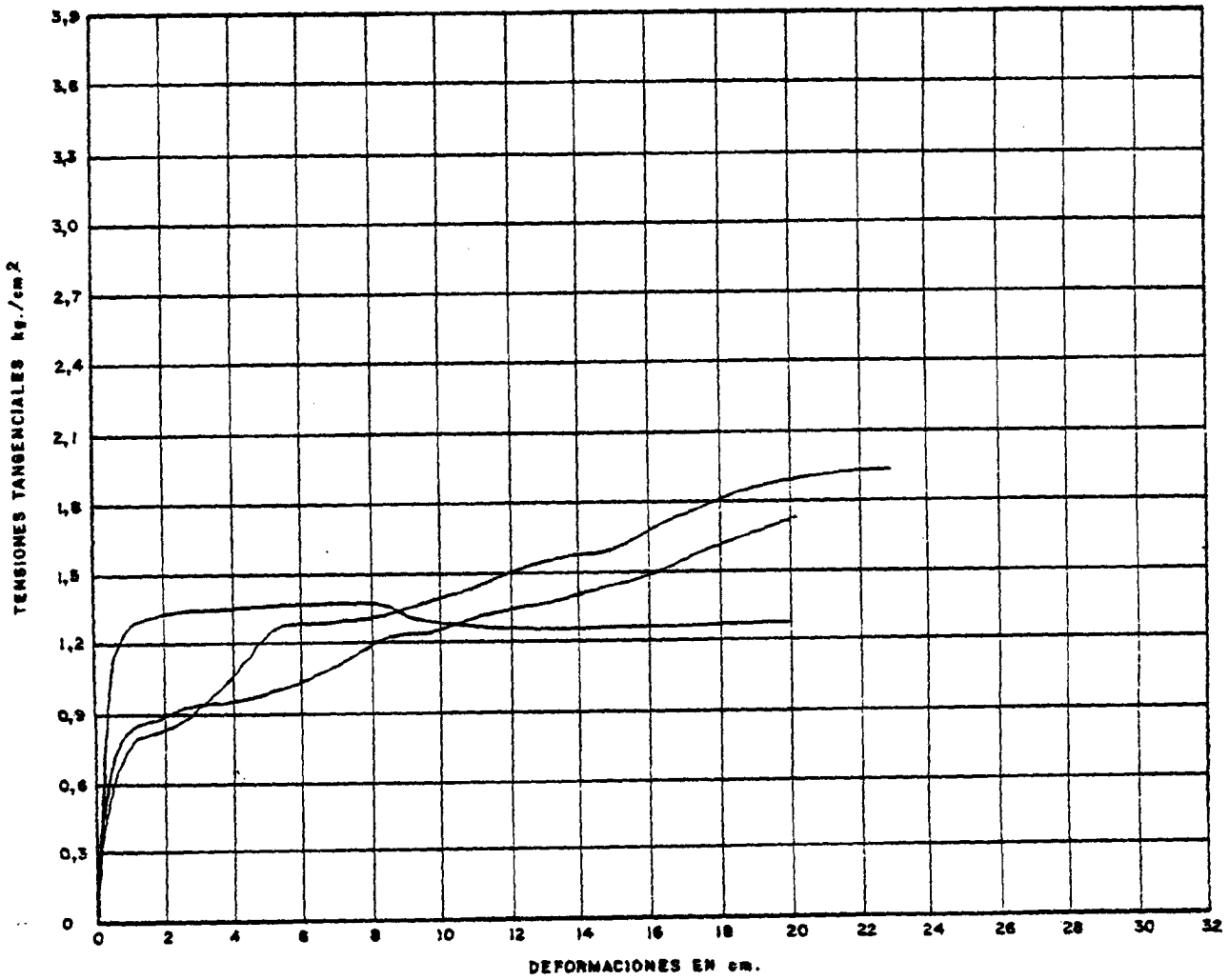
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0,95 + 0,625\sigma$

$\phi = 32º$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: T-3 Bis

EDAD: 24h.

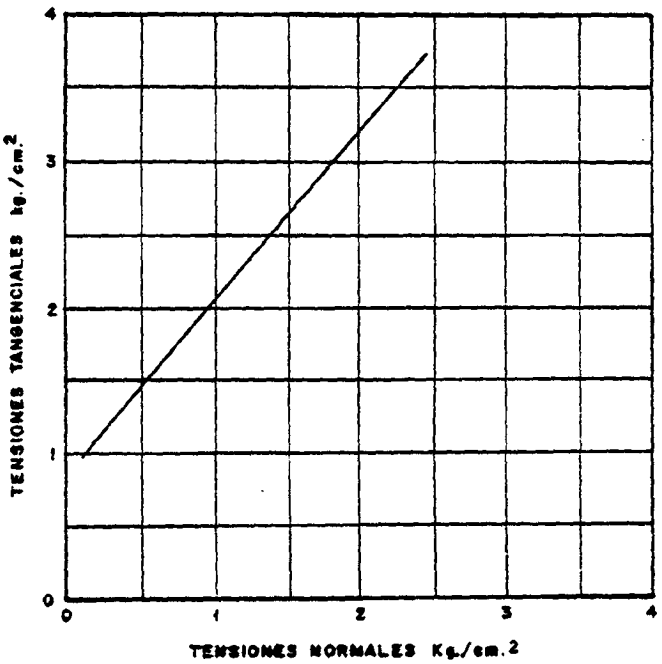
FECHA: 26-8-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
4	1,4	0,54
5	1,9	0,81
6	2,7	1,62
7	3,2	2,025

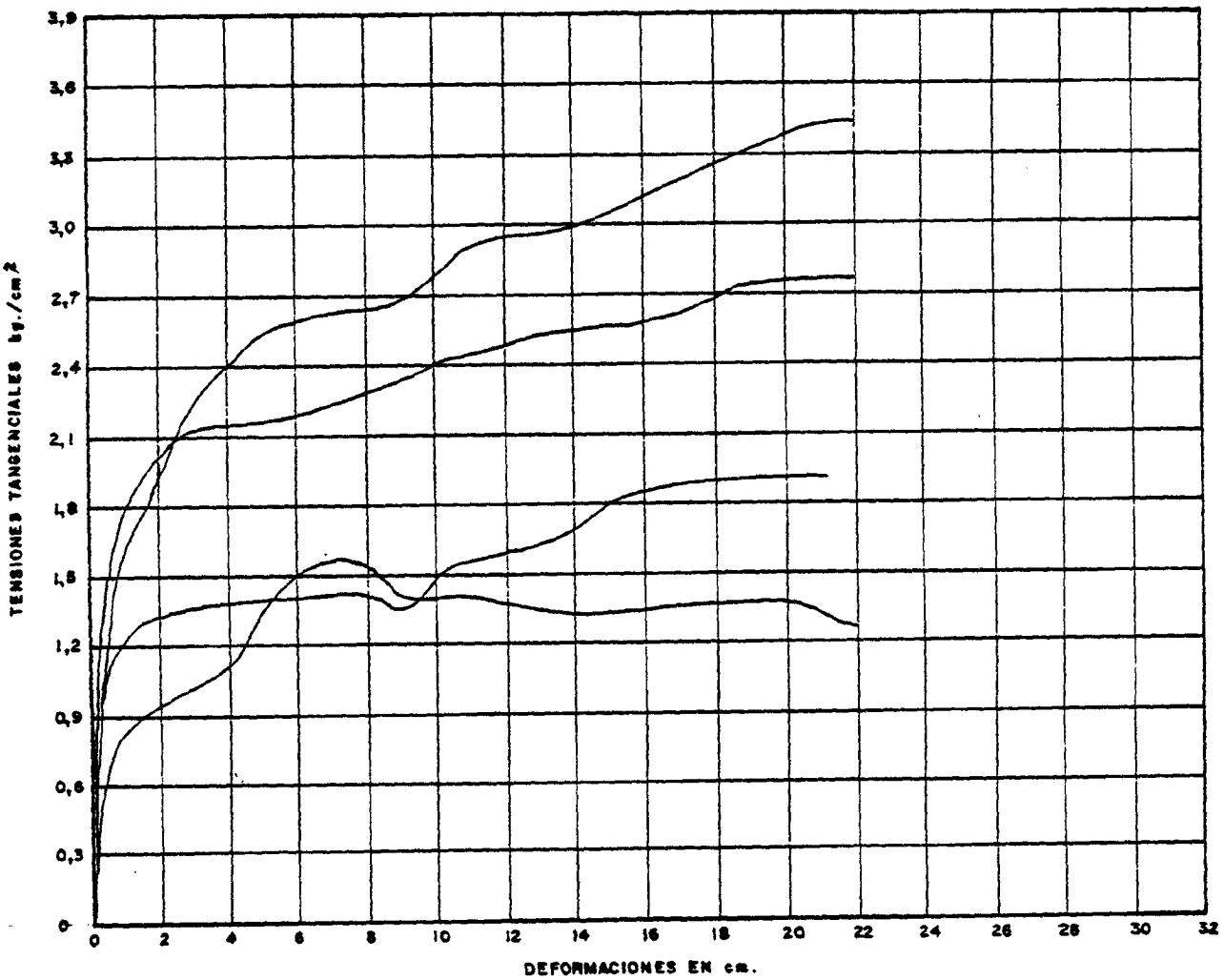
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0{,}855 + 1{,}15\ \sigma$

$\phi = 49º$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: T-3 Bis

EDAD: 7 días

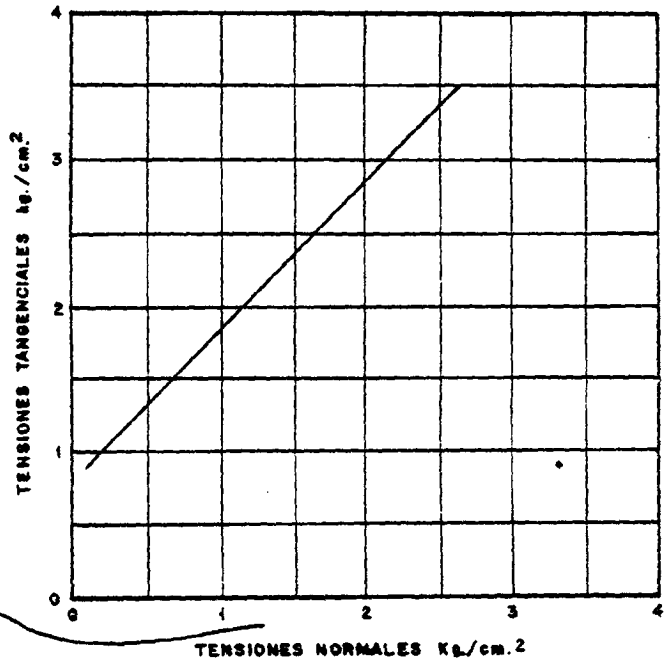
FECHA: 1-9-81

ESTIMACION DE LA CURVA INTRINSECA

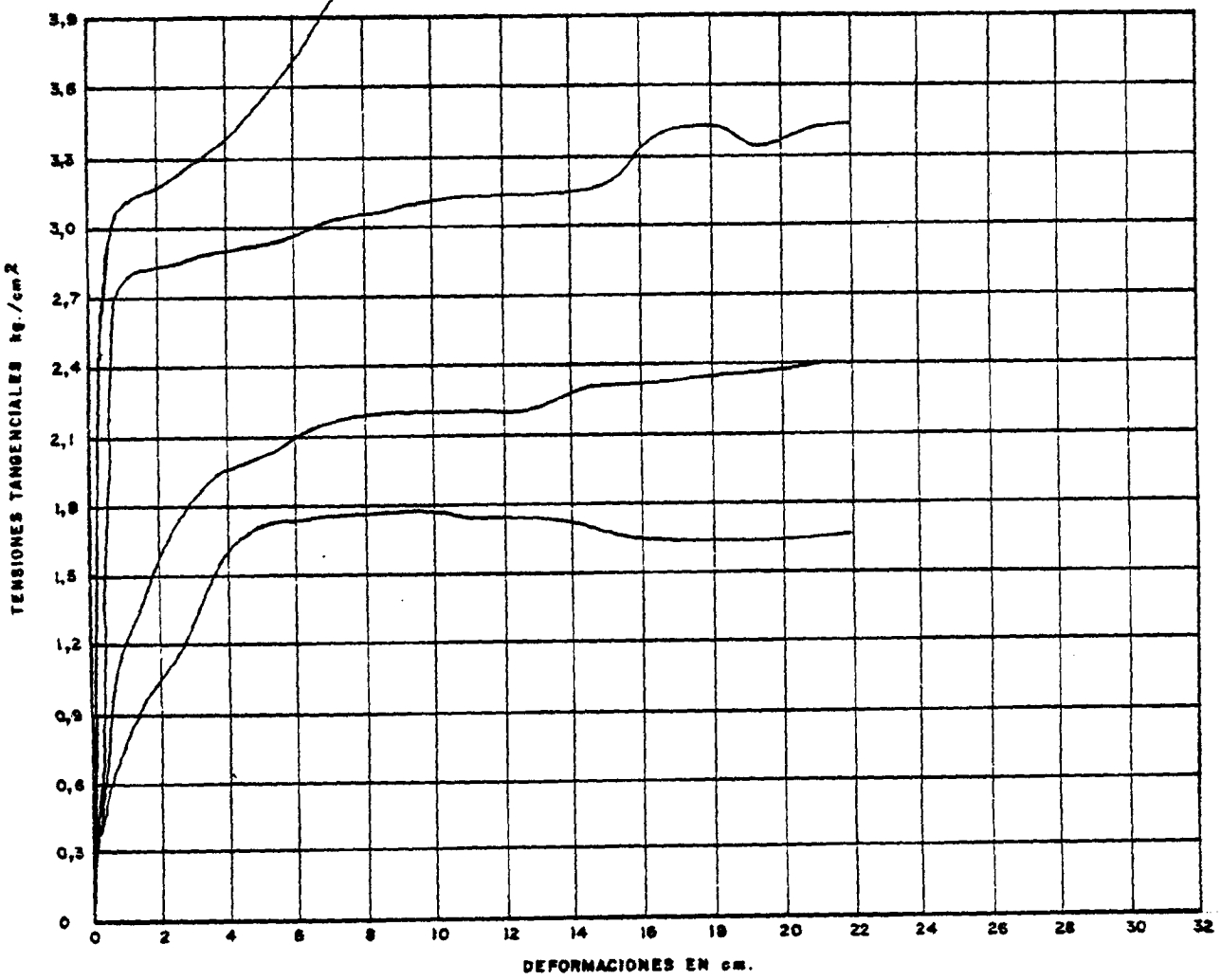
$\tau = 0{,}774 + 1{,}021\,\sigma$

$\phi = 45º$

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
8	1,6	0,89
9	2,3	1,33
10	3,3	2,67
11	4,3	3,34



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: F-9 Bis

EDAD: 12h.

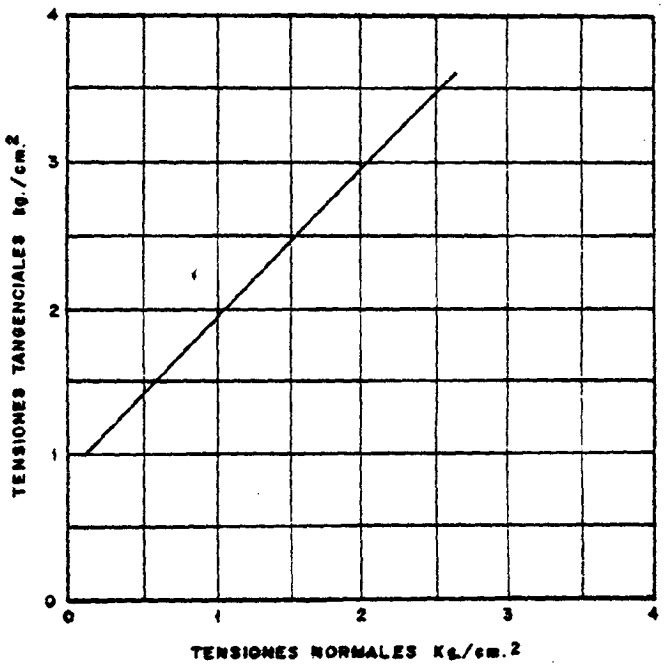
FECHA: 27-8-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
1	1,3	0,45
2	1,9	0,90
3	2,2	1,35

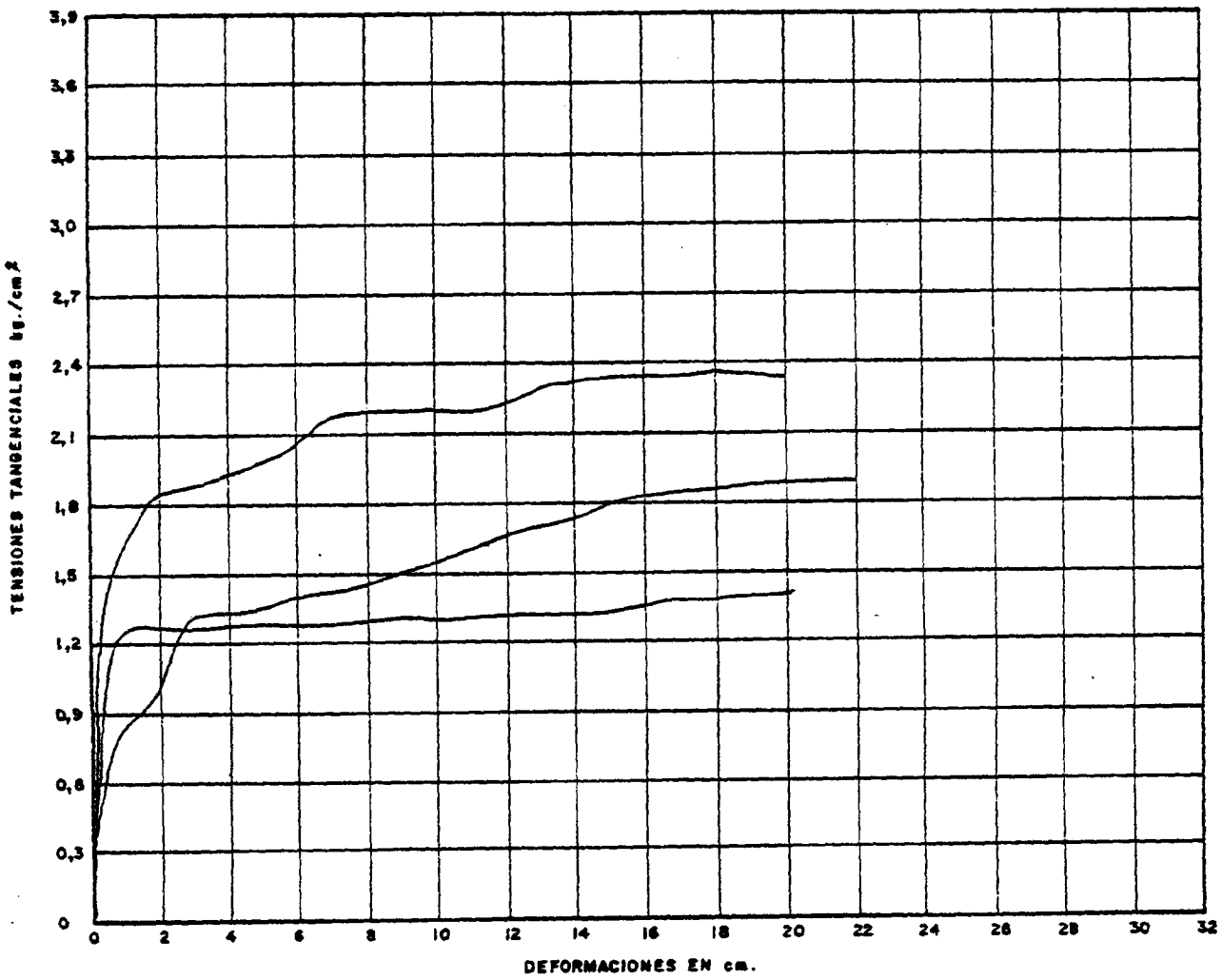
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0,9 + 1 \quad \sigma$

$\phi = 45^{\circ}$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: F-9 Bis

EDAD: 24h.

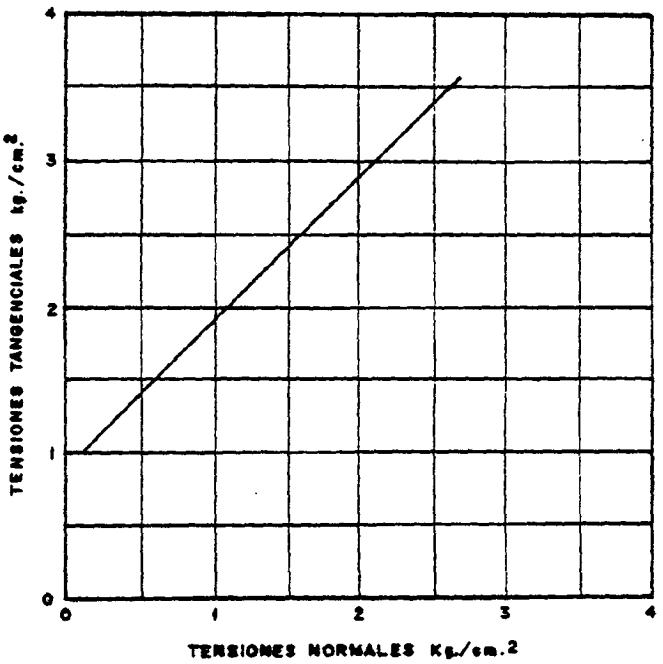
FECHA: 28-8-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
4	1,45	0,593
5	1,80	0,89
6	2,65	1,78
7	3,15	2,225

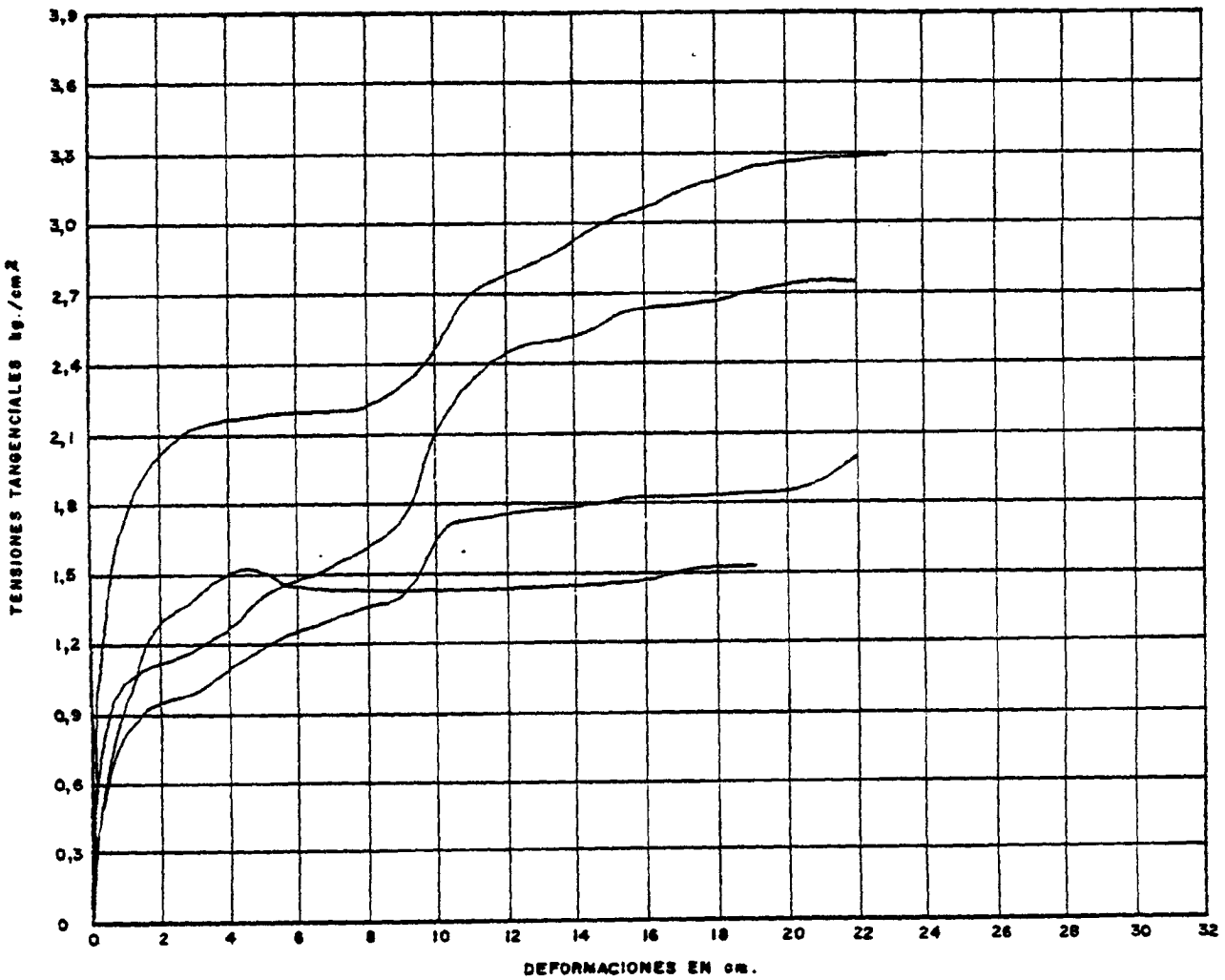
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0{,}879 + 0{,}99\ \sigma$

$\phi = 44º$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: F-9 Bis

EDAD: 7 días

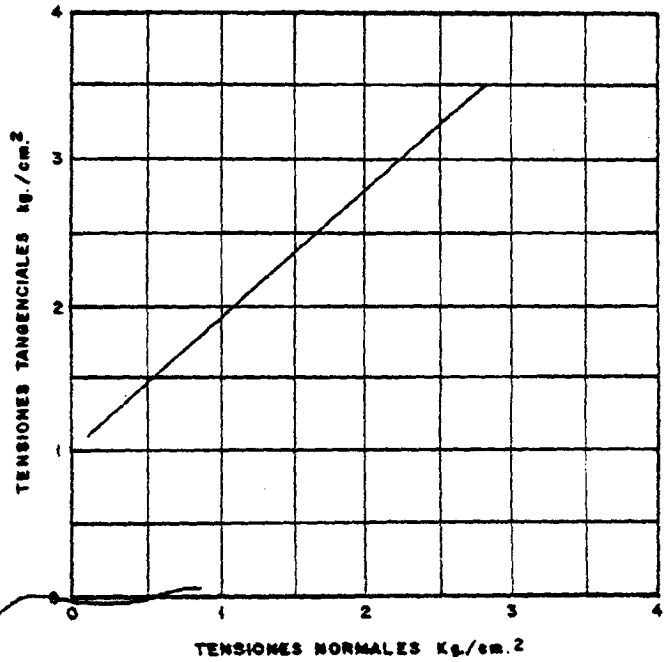
FECHA: 3-9-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
8	2,0	1,00
9	2,2	1,50
10	3,7	3,01
11	4,3	3,76

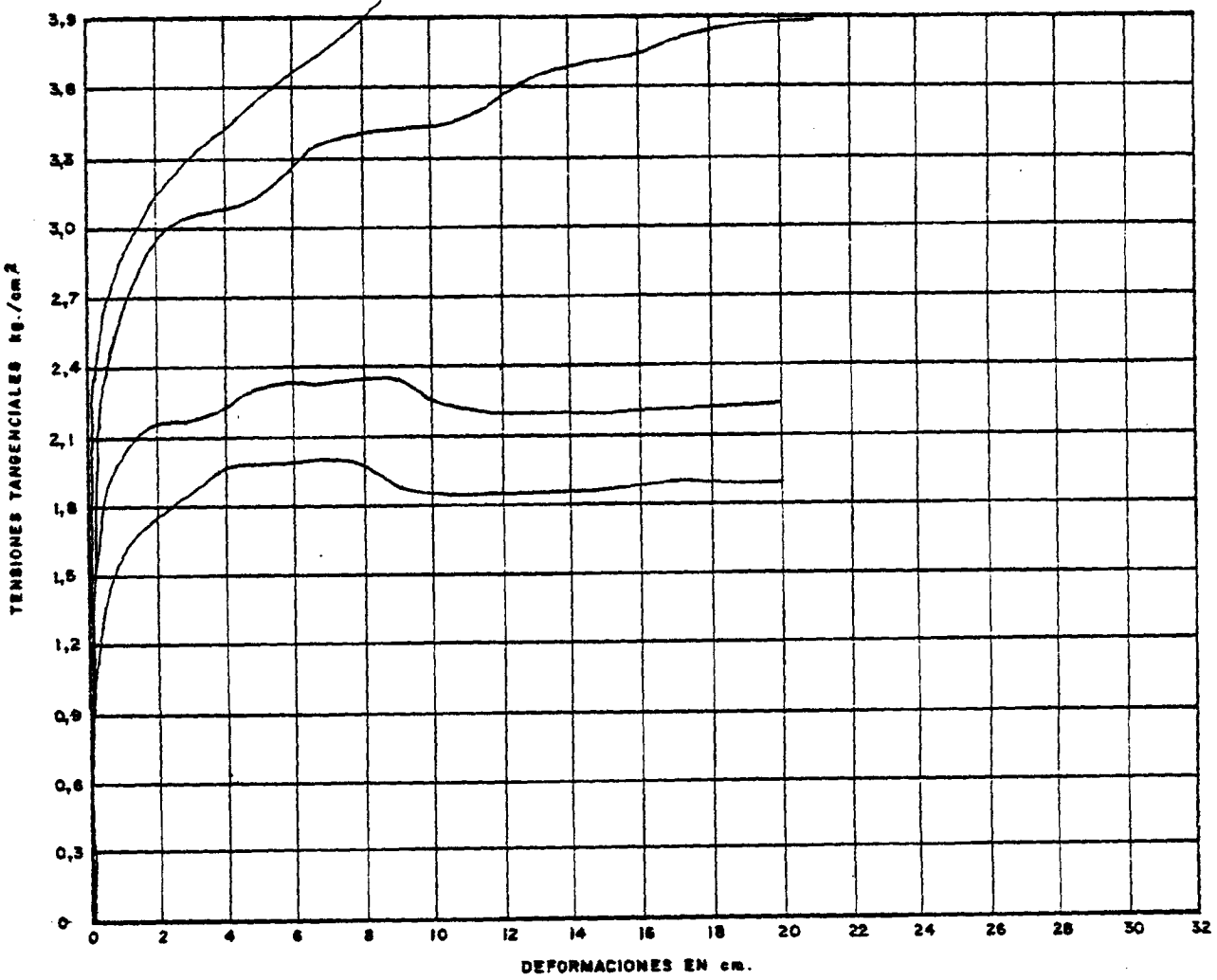
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 1{,}027 + 0{,}872\ \sigma$

$\phi = 41º$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: T-4

EDAD: 24h.

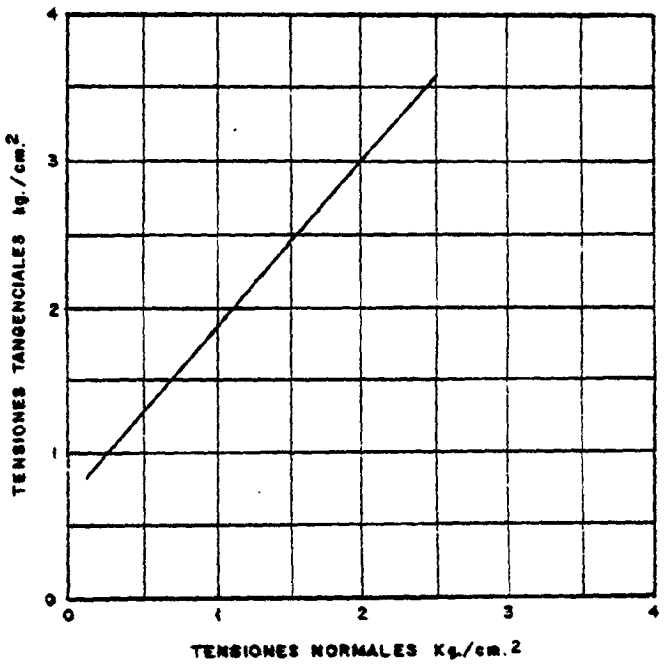
FECHA: 1-12-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
1	1,10	0,37
2	1,25	0,56
3	1,90	0,90
4	1,00	0,25
5	1,10	0,50
6	1,45	0,75
7	1,70	0,95

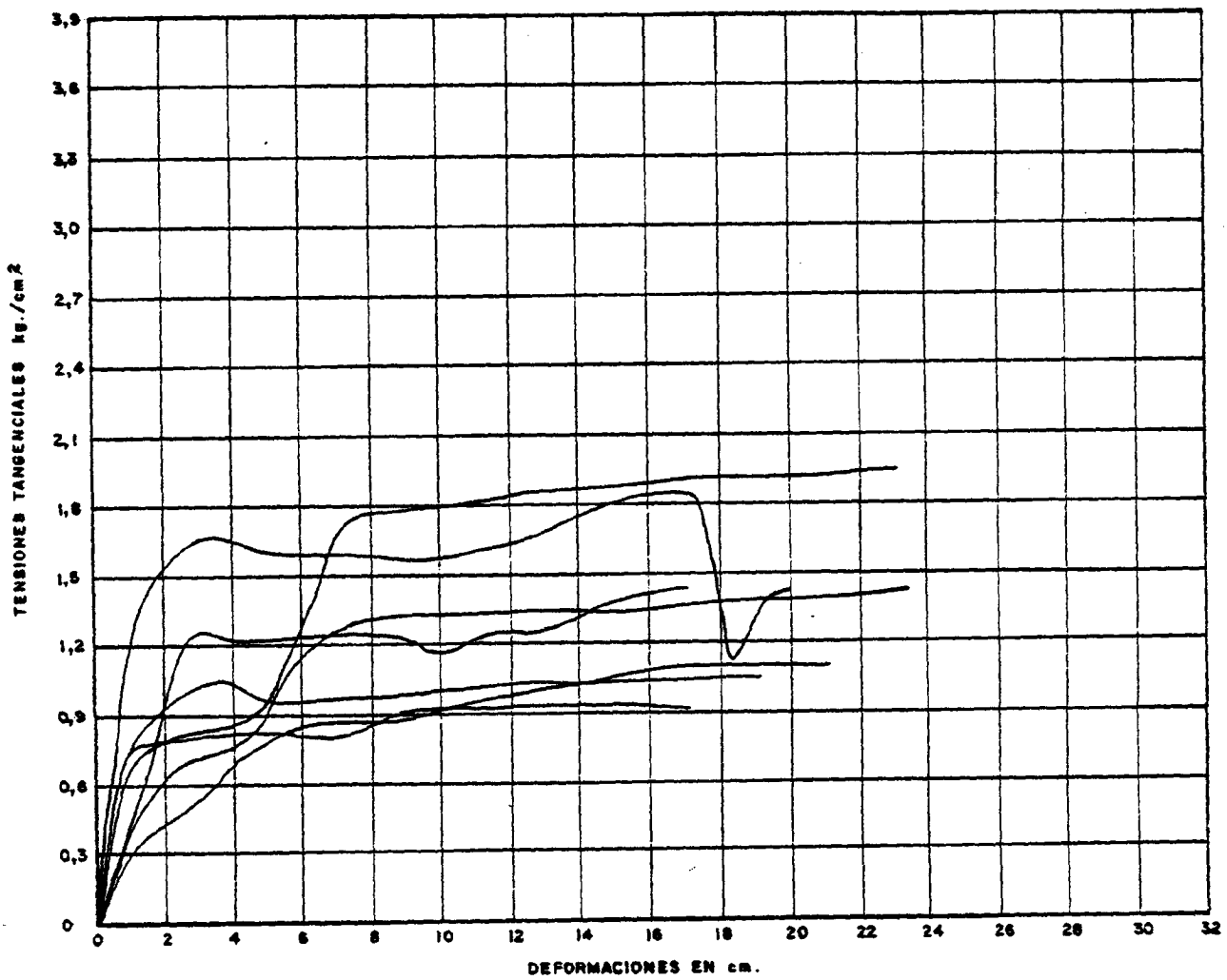
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0{,}685 + 1{,}098\sigma$

$\phi = 48º$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: T- 4

EDAD: 7 días

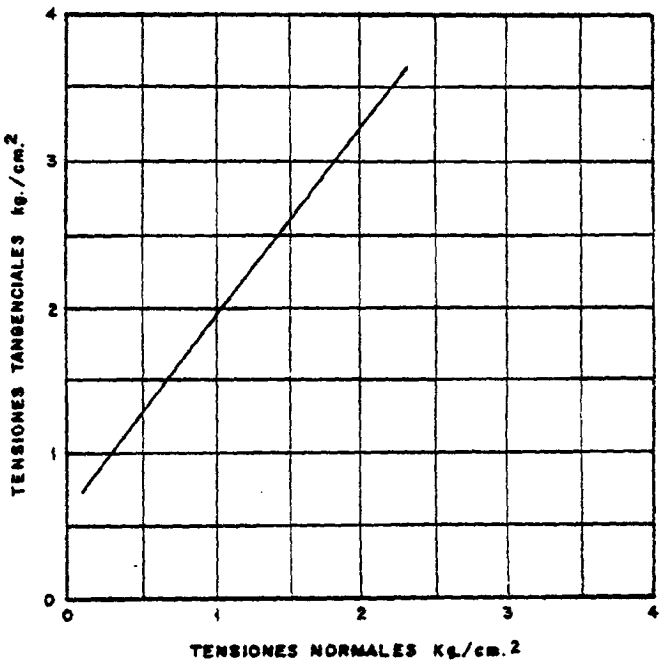
FECHA: 7-12-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
8	1,00	0,25
9	1,25	0,50
10	1,50	0,75
11	2,00	1,00
12	1,00	0,30
13	1,30	0,60
14	1,75	0,90

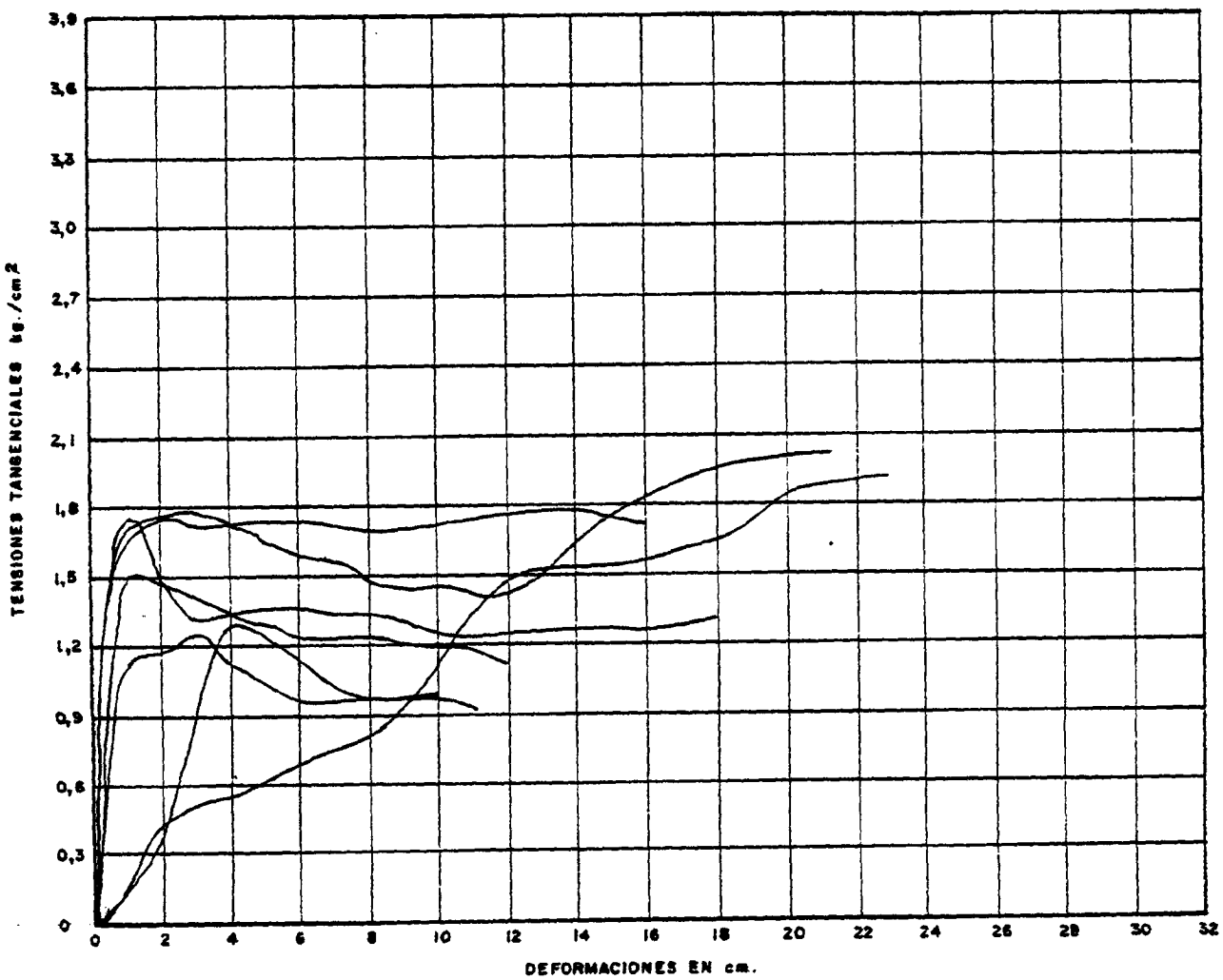
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0{,}617 + 1{,}285\ \sigma$

$\bar{\phi} = 52º$



REPRESENTACION DE LOS ENSAYOS DE CORTE



I.2.3.- Estériles del lavado de menudos.

ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: F-4

EDAD: 12h.

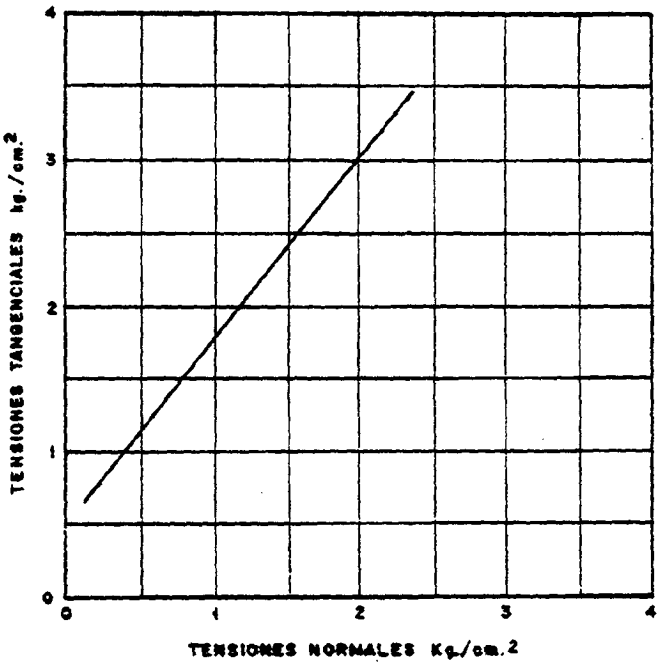
FECHA: 27-7-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
1	1,0	0,395
2	1,4	0,79
3	2,0	1,185

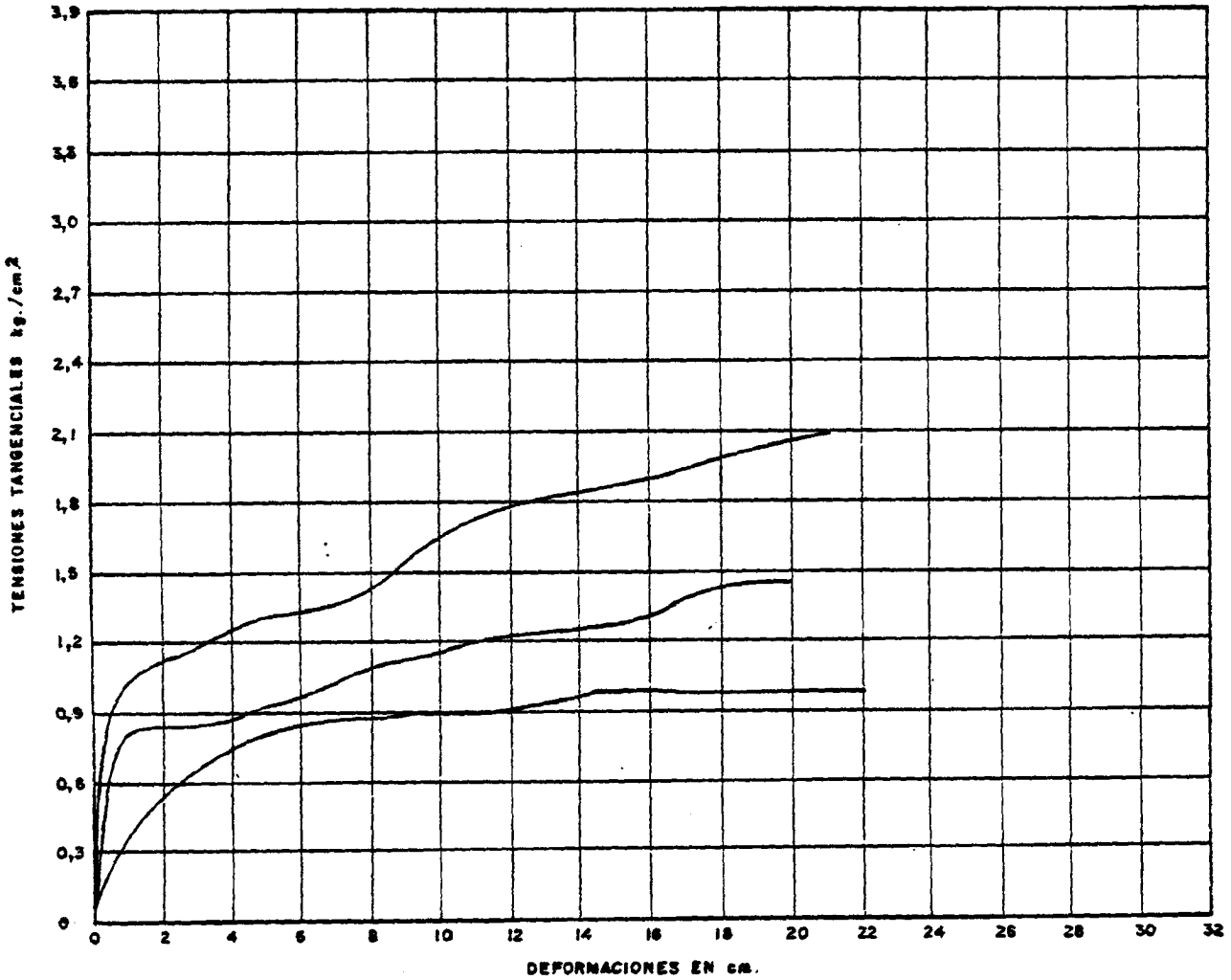
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0{,}475 + 1{,}257\,\sigma$

$\phi = 51º$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: F-4

EDAD: 24h.

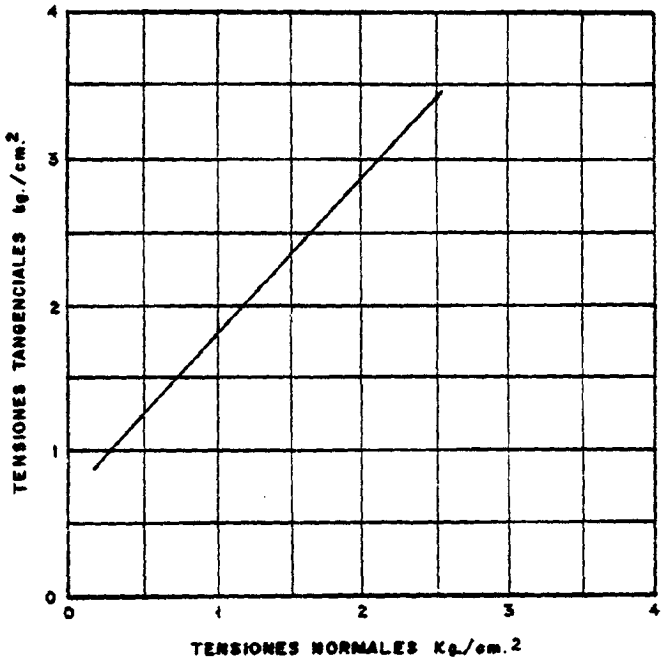
FECHA: 28-7-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
4	1,2	0,443
5	1,3	0,665
6	2,0	1,330
7	2.5	1,662

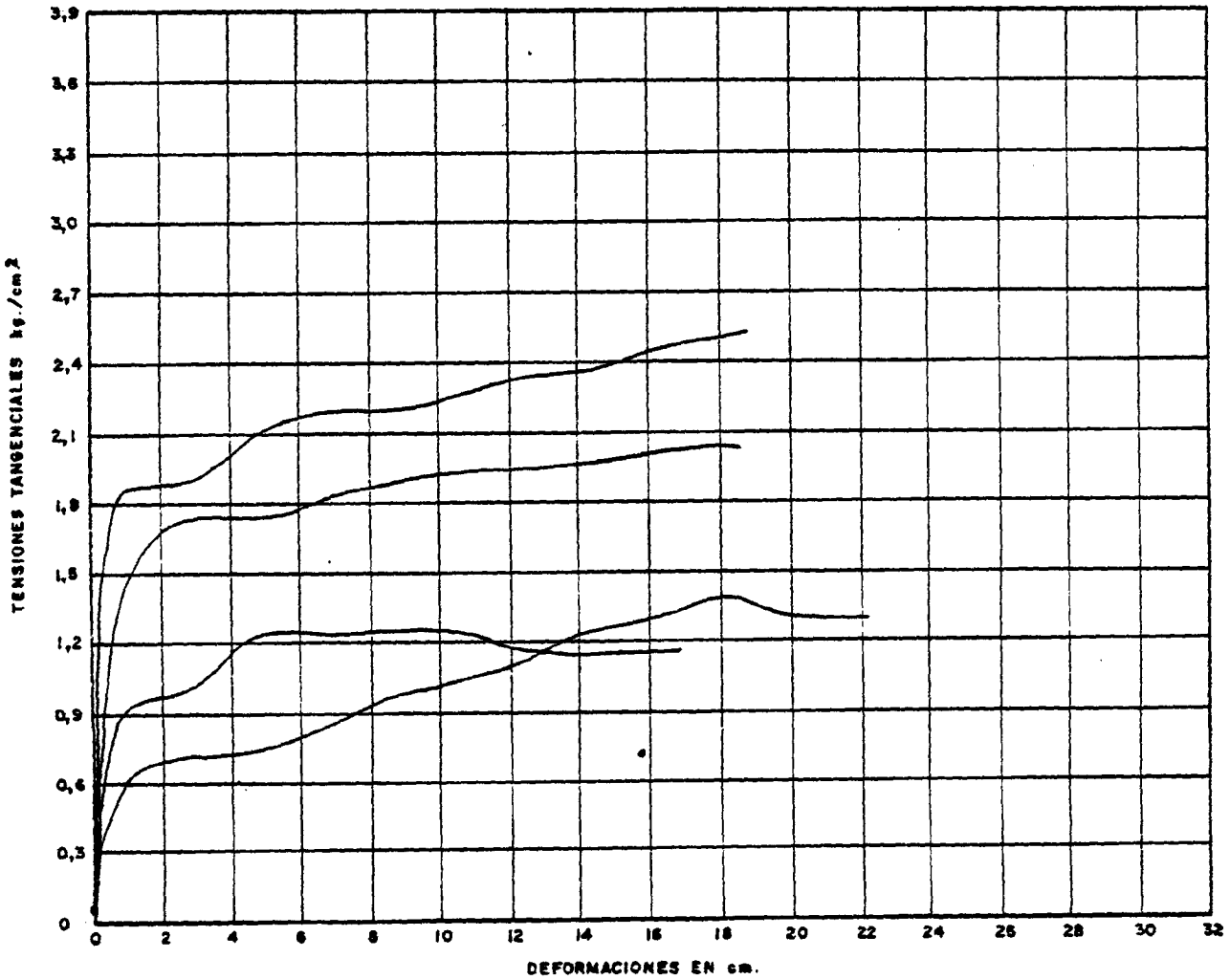
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0{,}652 + 1{,}071\ \sigma$

$\phi = 47º$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: F-5

EDAD: 12h.

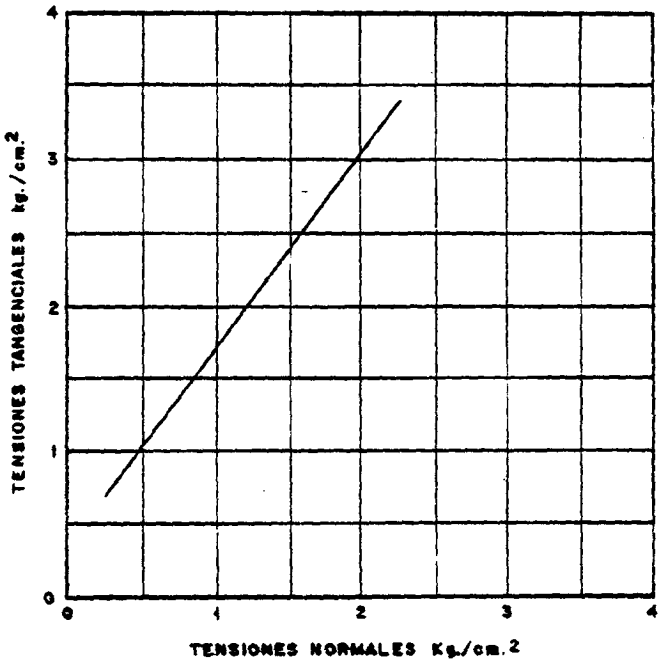
FECHA: 28-7-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
1	1,0	0,54
2	1,9	1,08
3	2,45	1,62

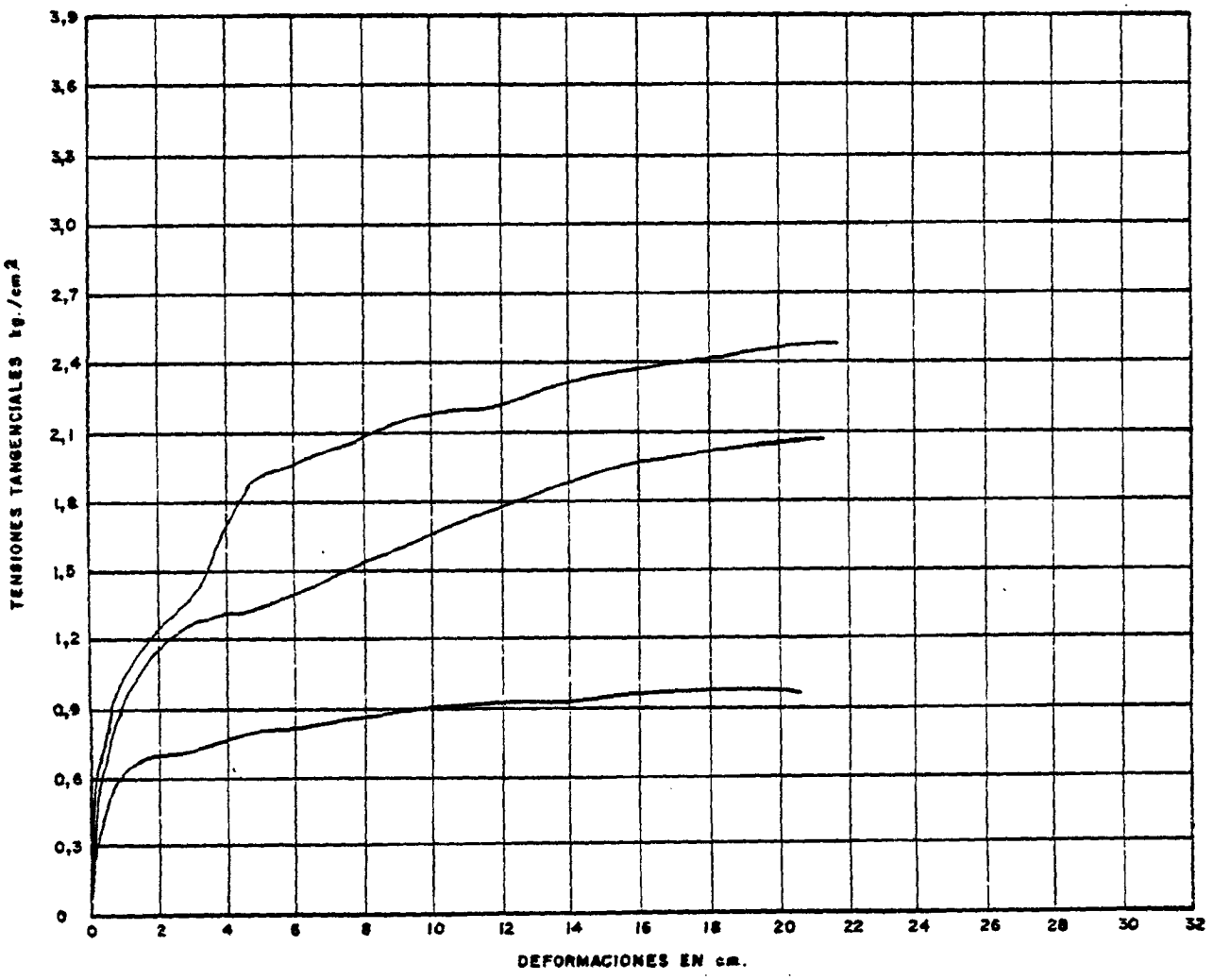
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0333 + 134\ \sigma$

$\phi = 53º$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: F-5

EDAD: 24h.

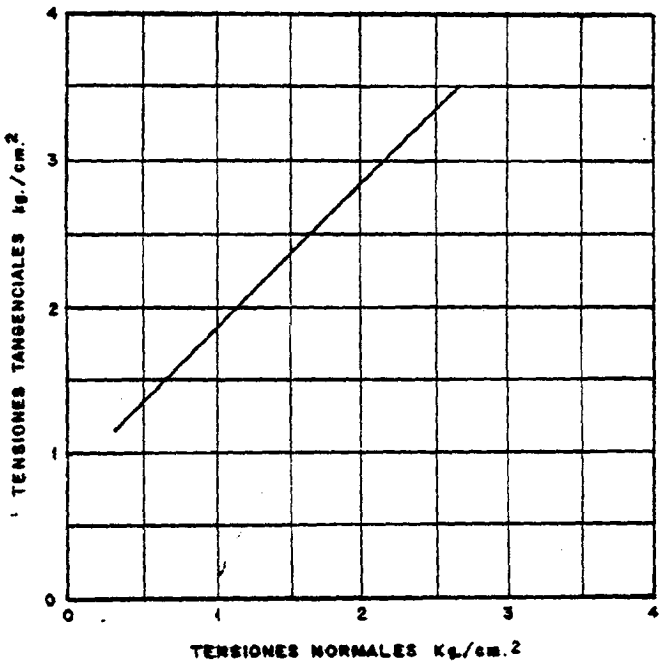
FECHA: 29-7-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
4	1,2	0,40
5	1,45	0,60
6	1,95	1,21
7	2,35	1,51

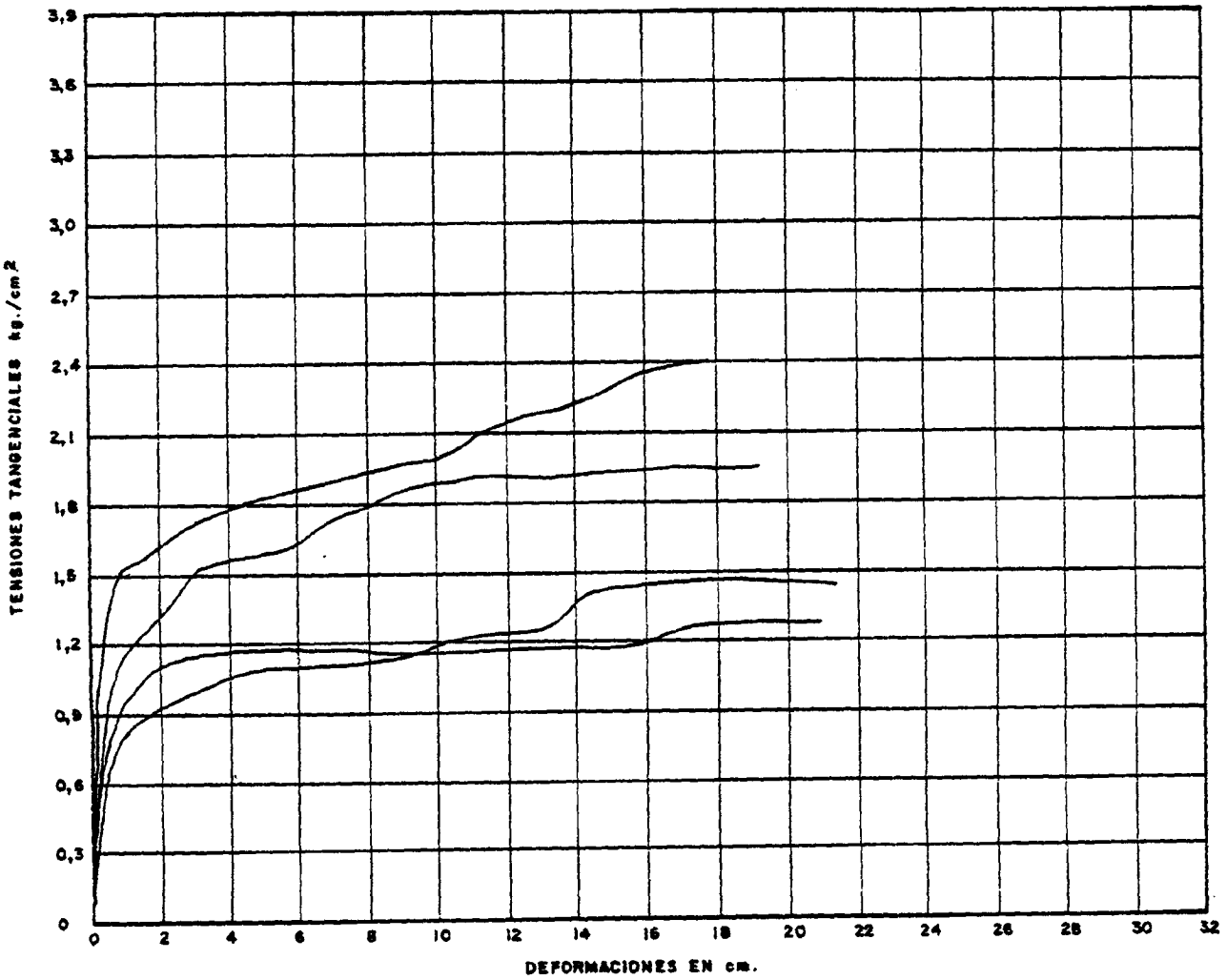
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0{,}819 + 0{,}98\ \sigma$

$\phi = 44{,}6°$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: M-1

EDAD: 12h.

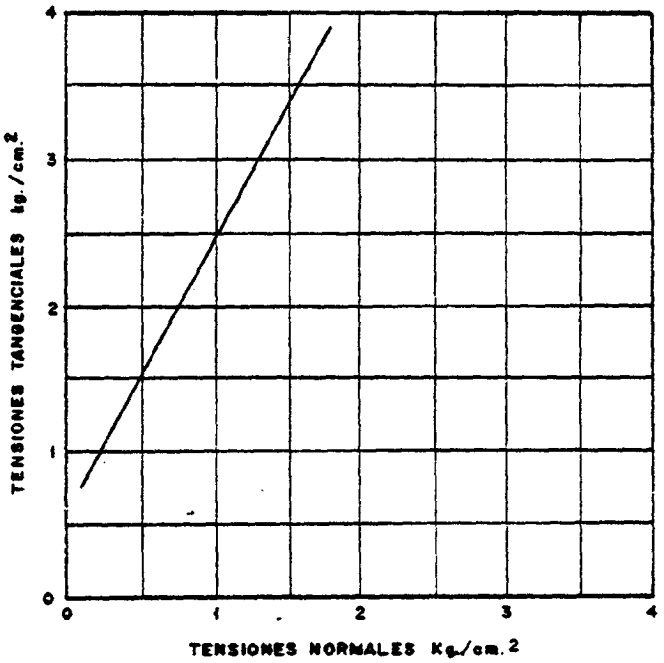
FECHA: 6-8-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
1	0,95	0,175
2	1,15	0,35
3	1,6	0,525

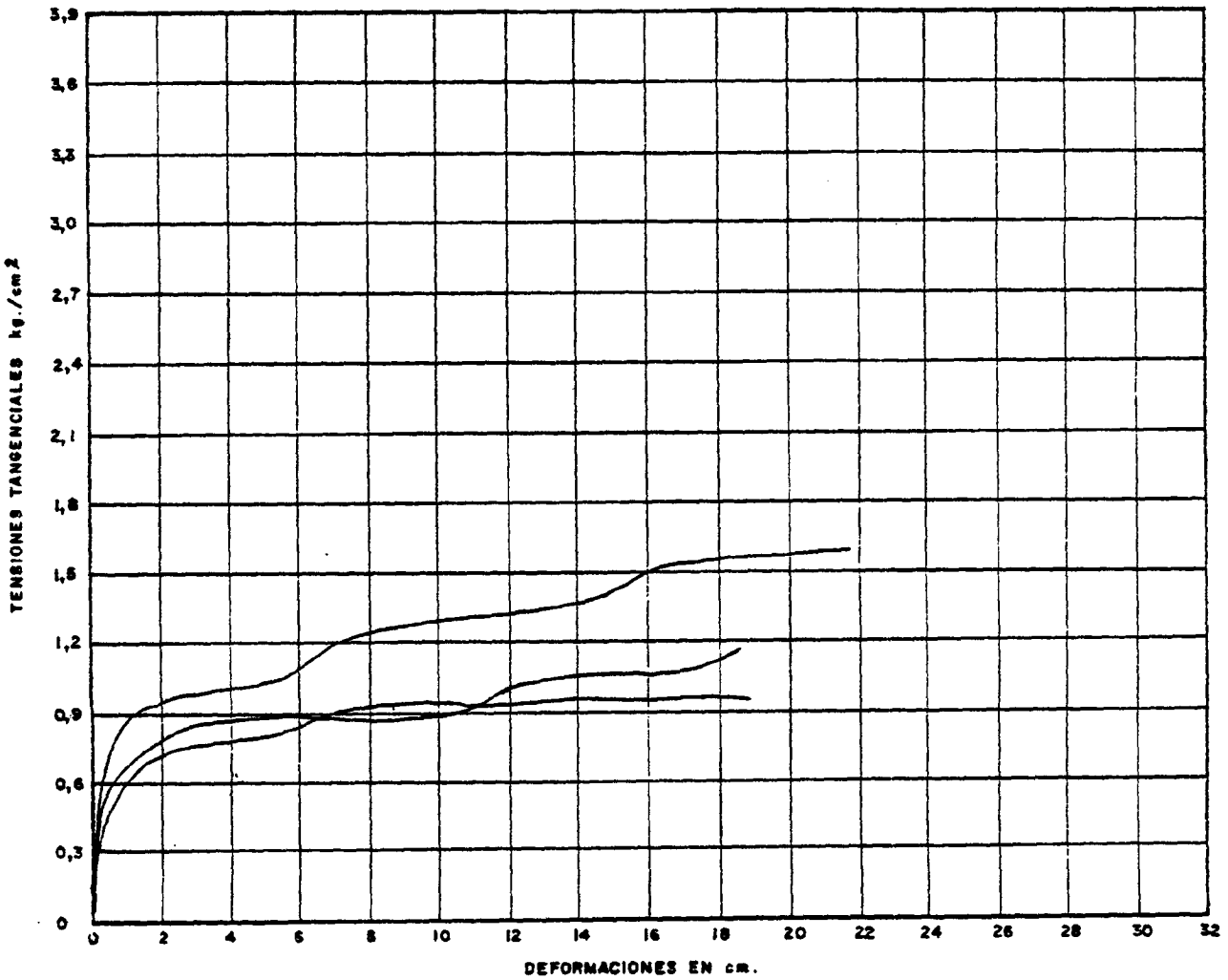
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0{,}583 + 1{,}85\ \sigma$

$\phi = 61^{\circ}$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: M-1

EDAD: 24h.

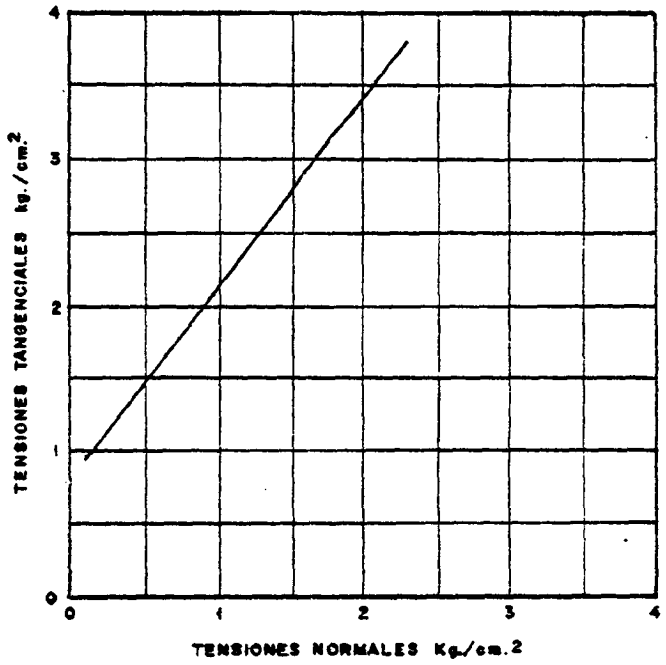
FECHA: 6-8-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
4	1,0	0,163
5	1,1	0,245
6	1,45	0,49
7	1,55	0,612

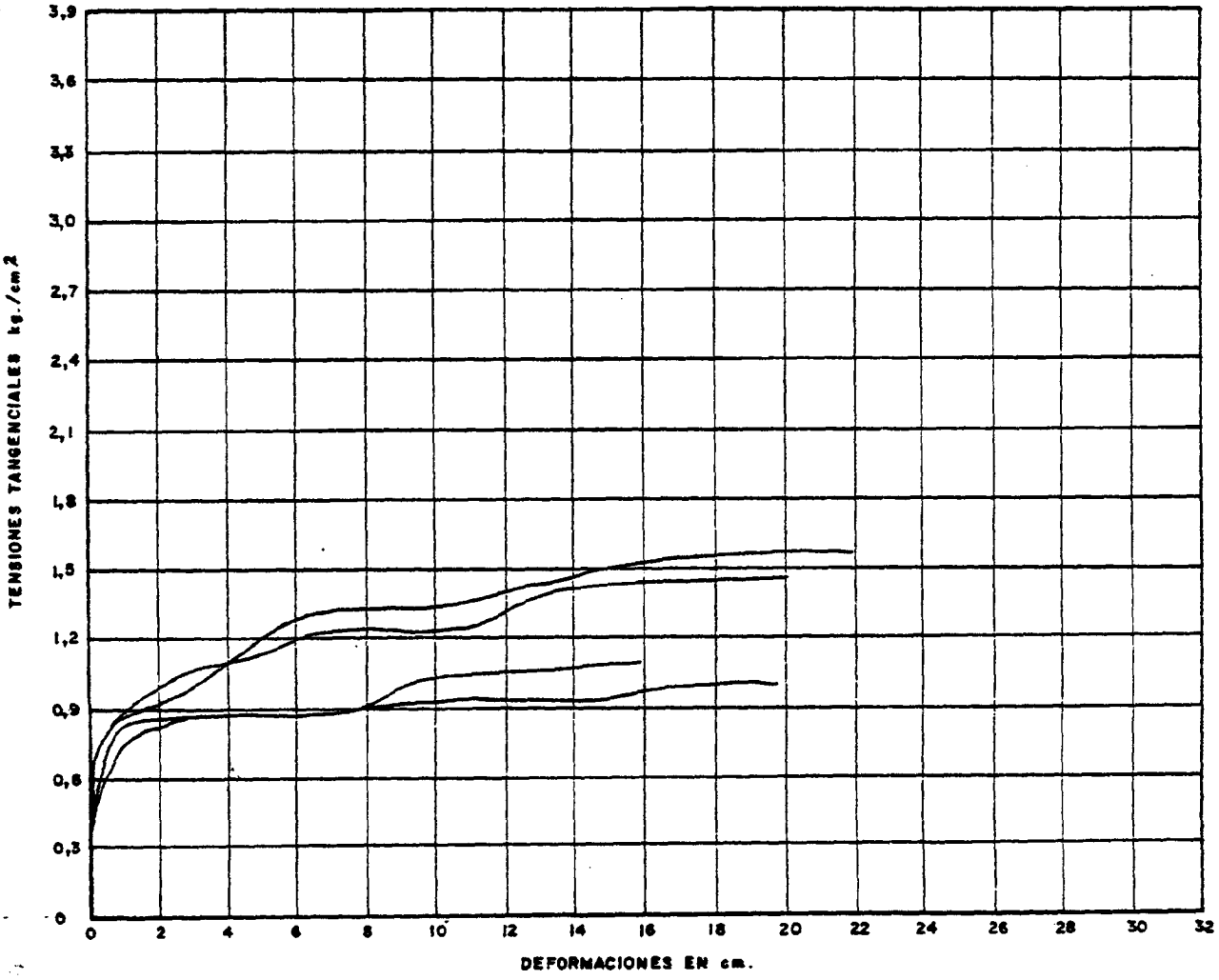
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0{,}796 + 1{,}26\ \sigma$

$\phi = 51^{o}$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: M-2

EDAD: 12h.

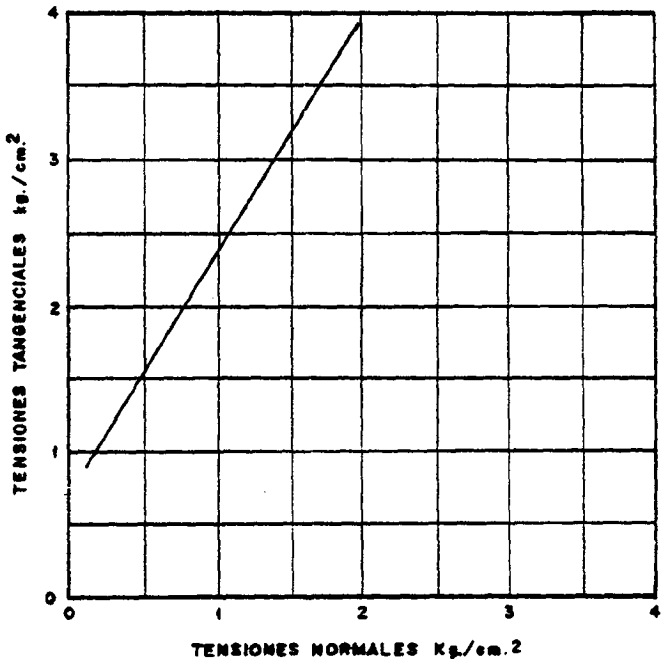
FECHA: 6-8-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
1	1,0	0,173
2	1,1	0,26
3	1,55	0,52

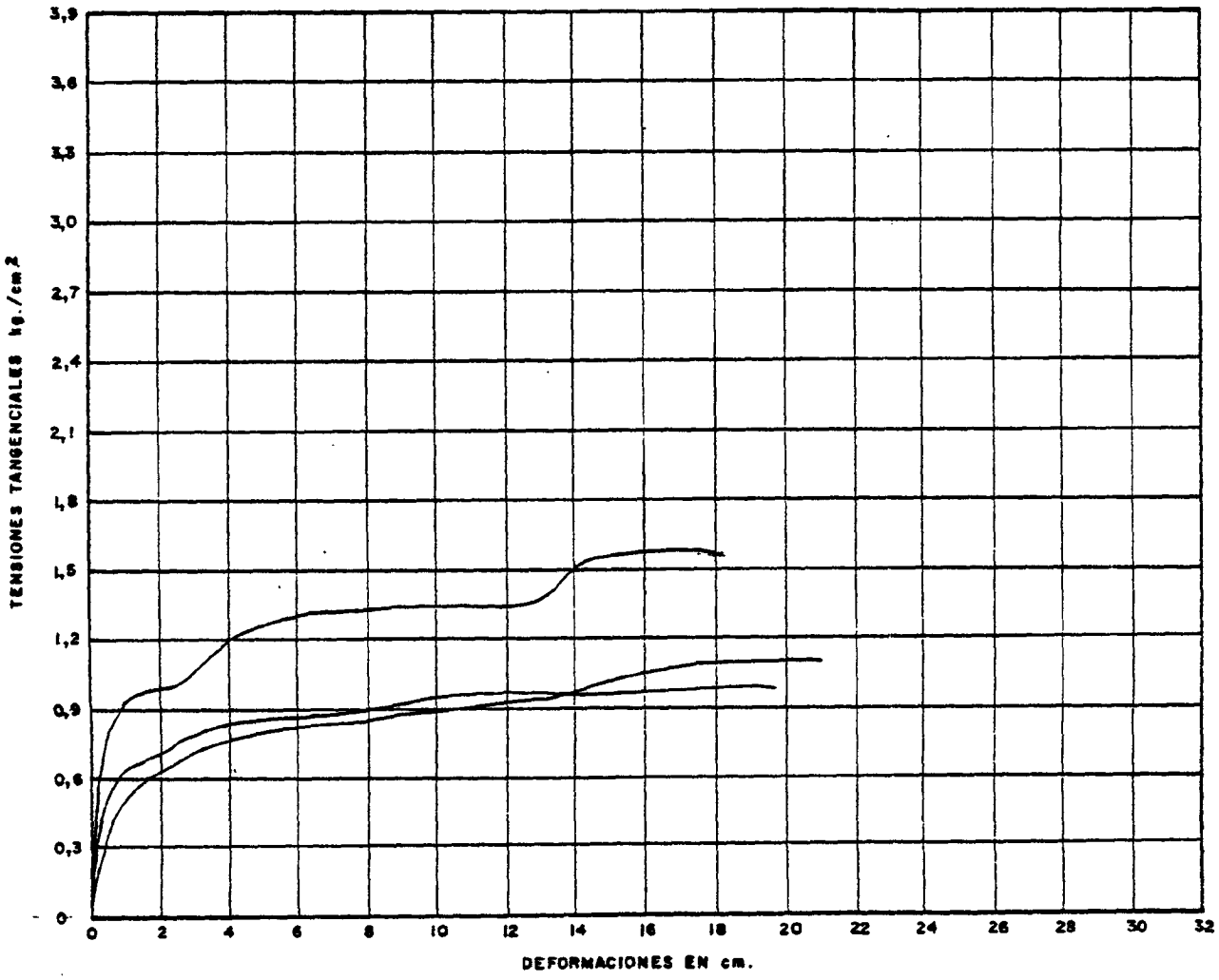
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0{,}702 + 1{,}61\ \sigma$

$\phi = 58º$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: M-2

EDAD: 24h.

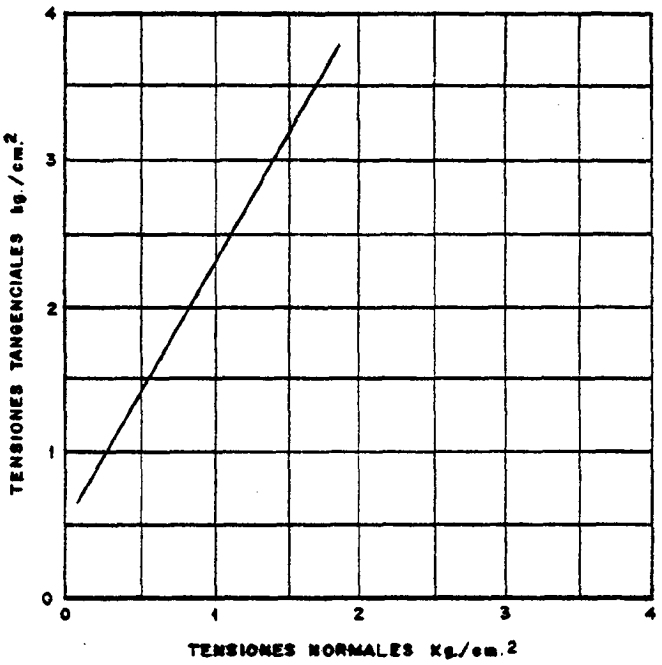
FECHA: 7-8-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
4	0,95	0,27
5	1,3	0,405
6	1,8	0,81
7	2,4	1,012

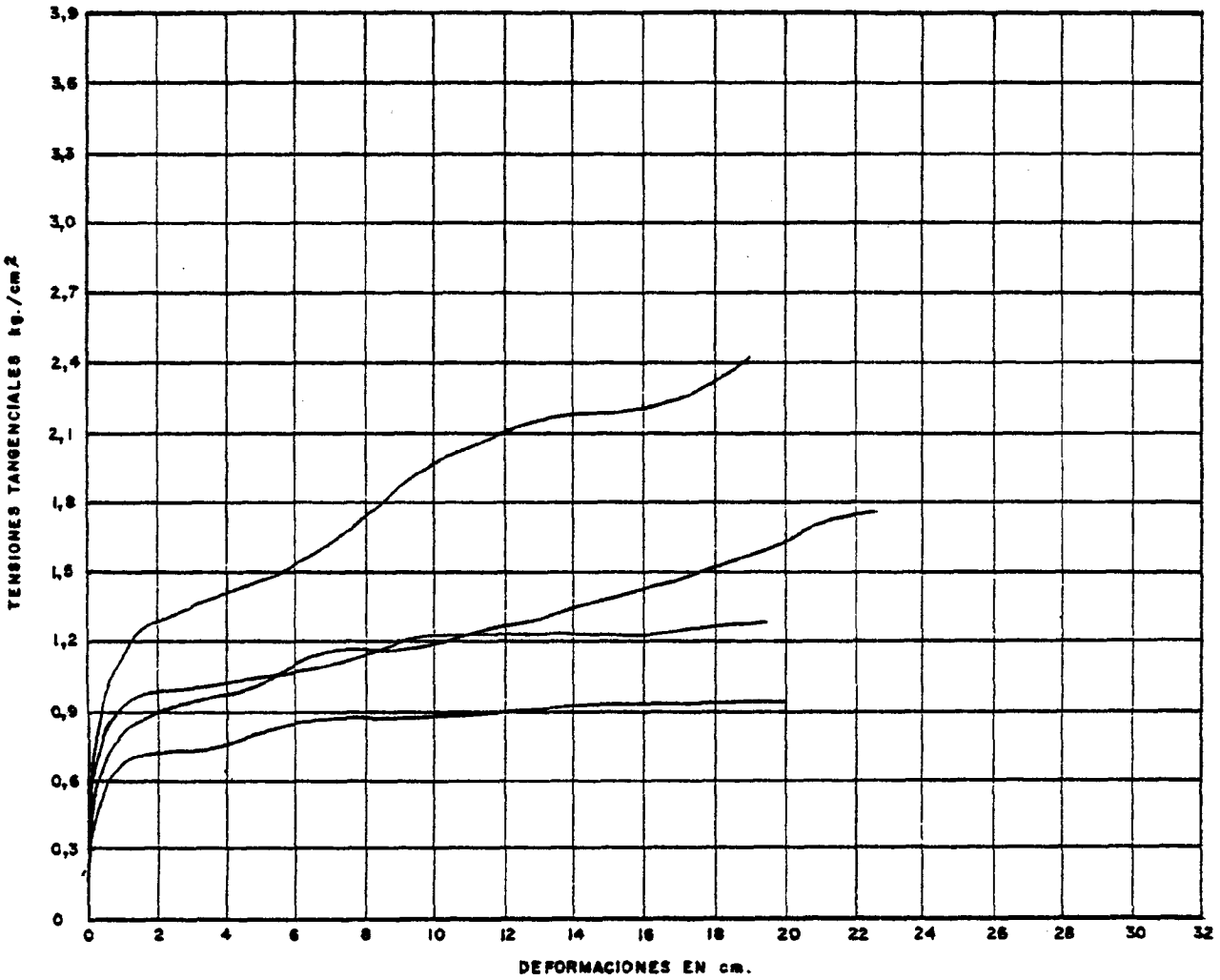
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0{,}491 + 1{,}79\,\sigma$

$\phi = 60º$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: M-4

EDAD: 12h.

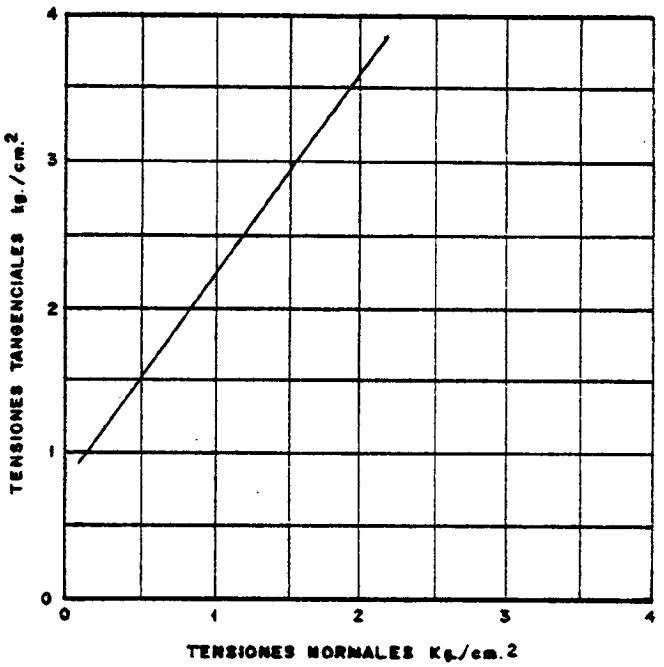
FECHA: 13-8-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
1	1,15	0,305
2	1,75	0,61
3	2,00	0,915

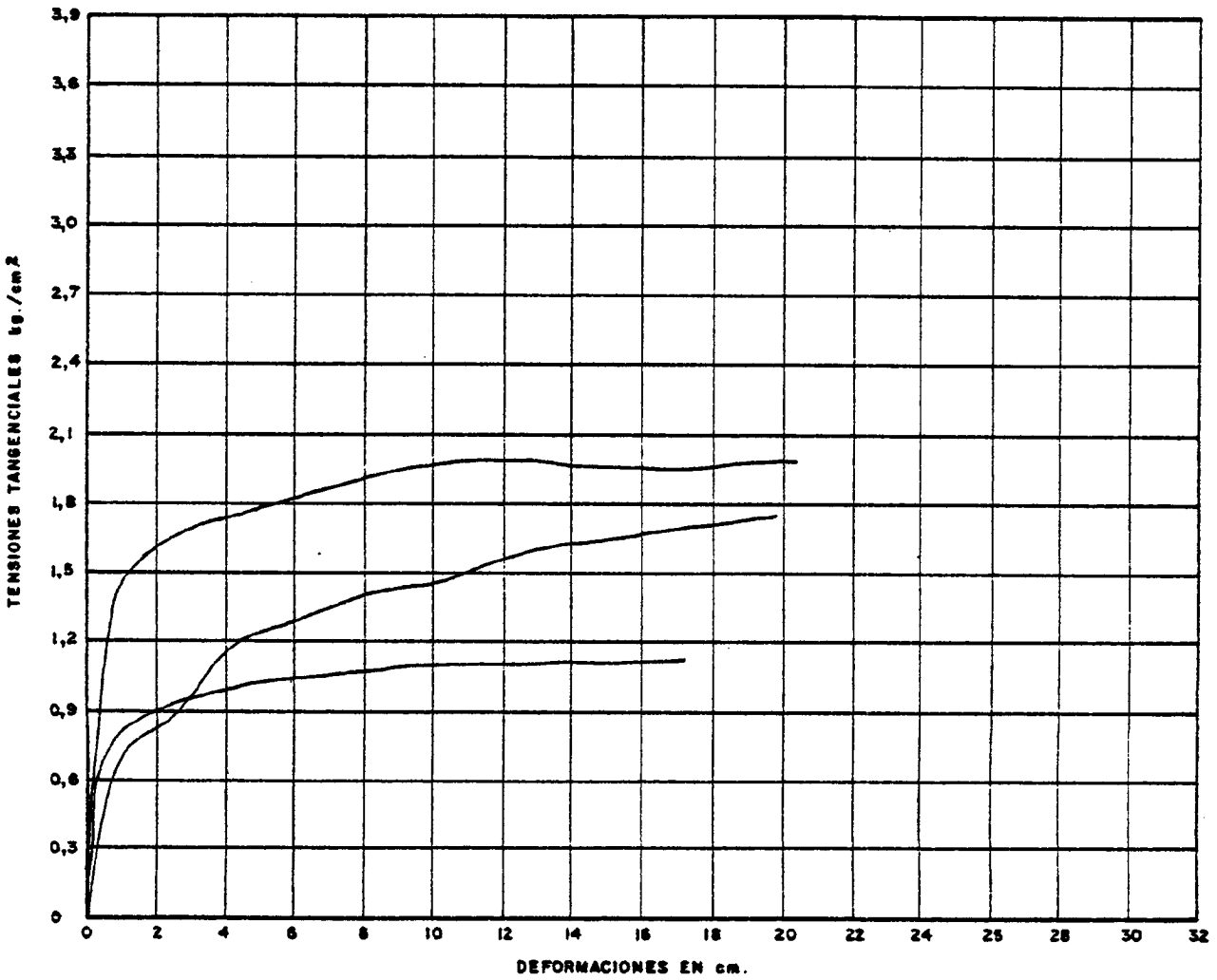
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0{,}783 + 1{,}39\ \sigma$

$\phi = 54º$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: M-4

EDAD: 24h.

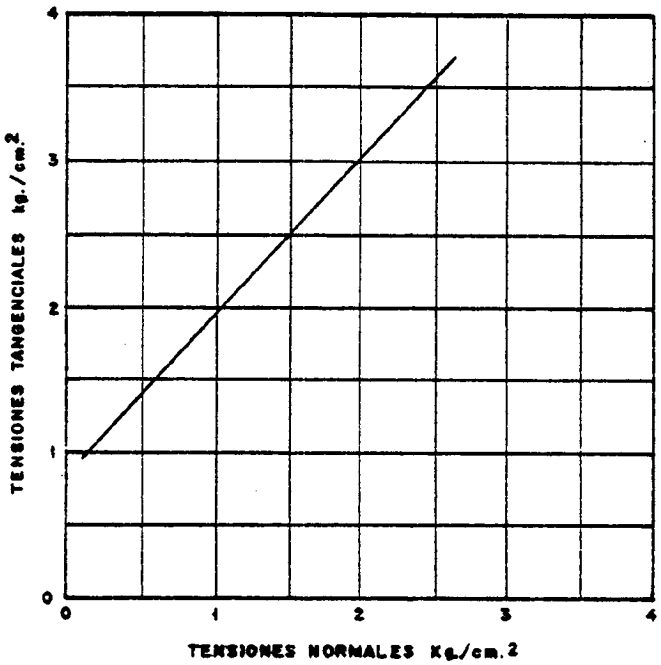
FECHA: 14-8-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
4	1,10	0,26
5	1,75	0,78
6	2,05	1,17
7	2,55	1,56

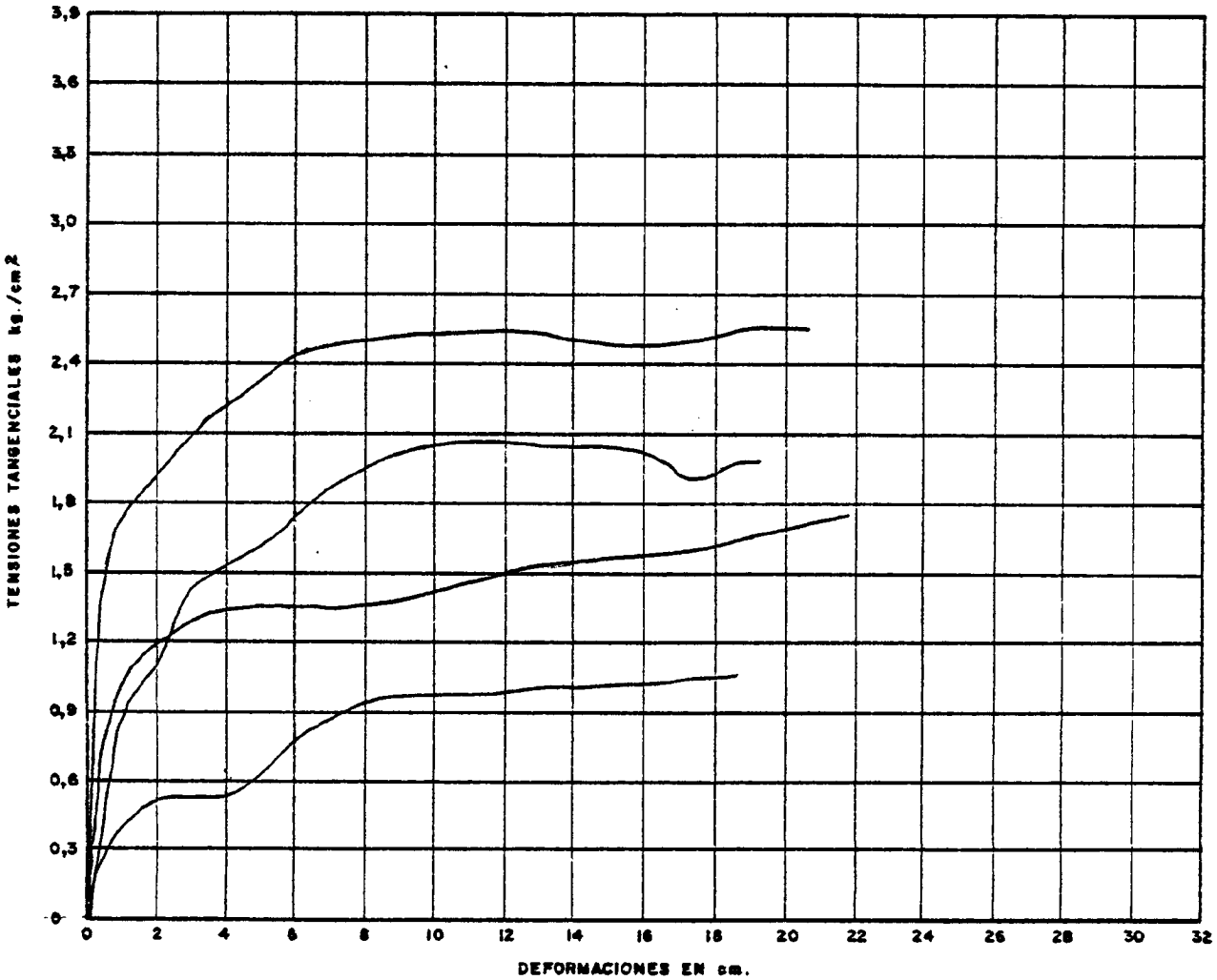
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0{,}838 + 1{,}087\ \sigma$

$\phi = 47^{\circ}$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: M-4

EDAD: 7 días

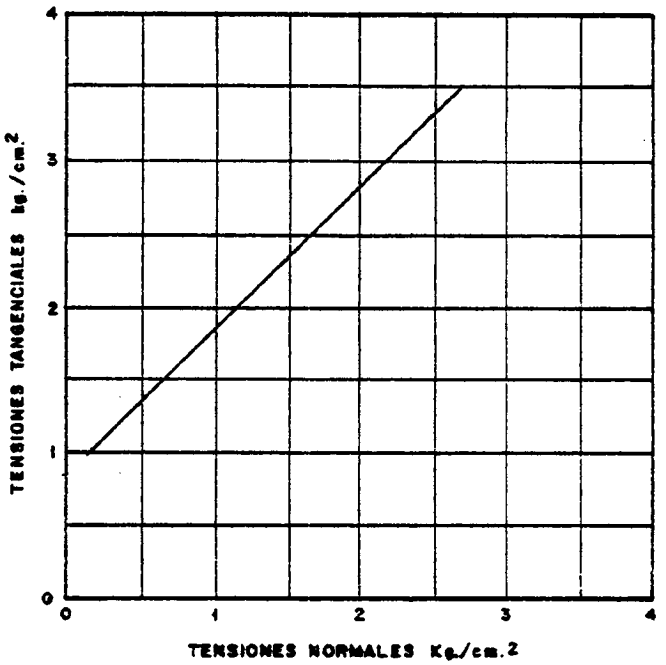
FECHA: 20-8-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
8	1,6	0,70
9	1,8	1,05
10	2,95	2,10

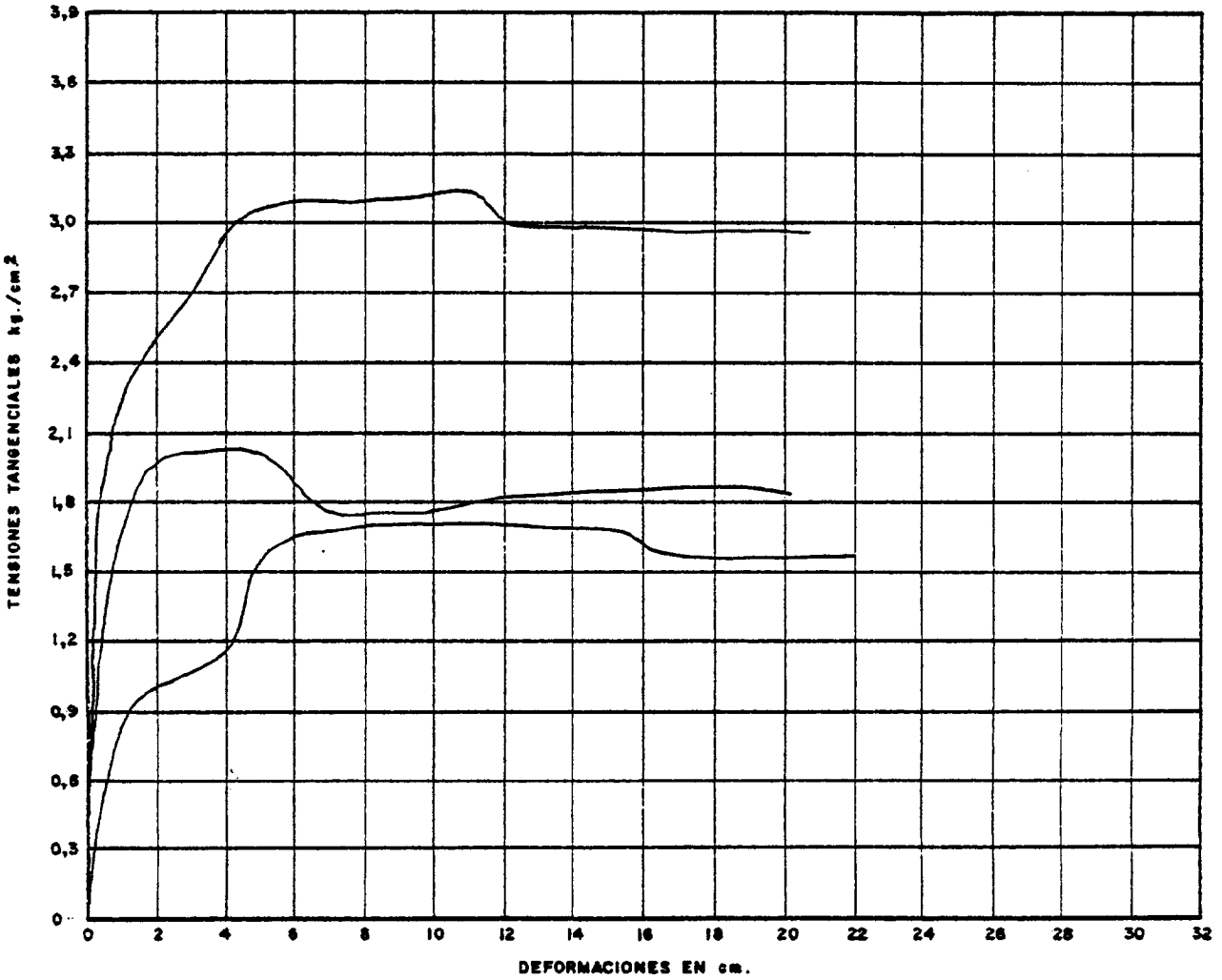
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0,84 + 0,994\sigma$

$\phi = 44^{\circ}$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: M-5

EDAD: 12h.

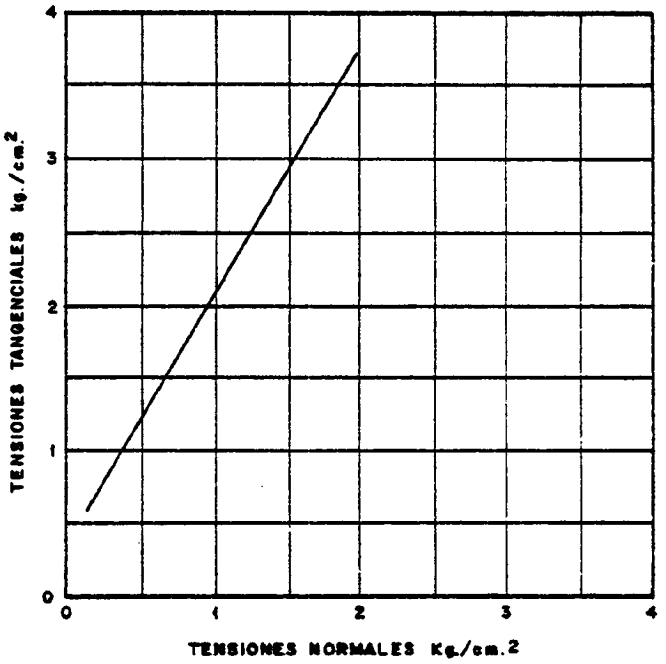
FECHA: 17-8-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
1	1,0	0,38
2	1,65	0,76
3	2,25	1,14

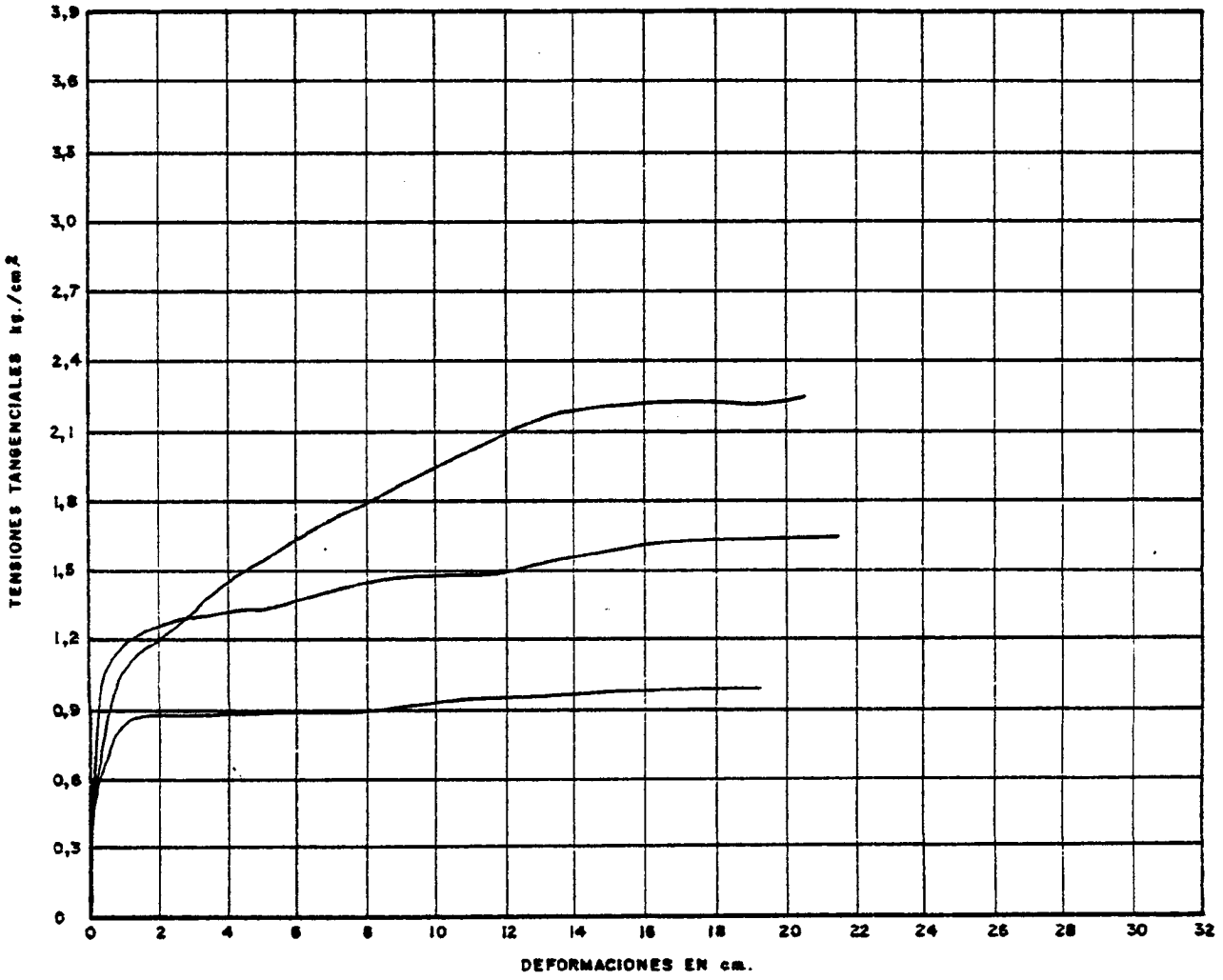
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0,38 + 1,64\sigma$

$\phi = 59º$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: M-5

EDAD: 24h.

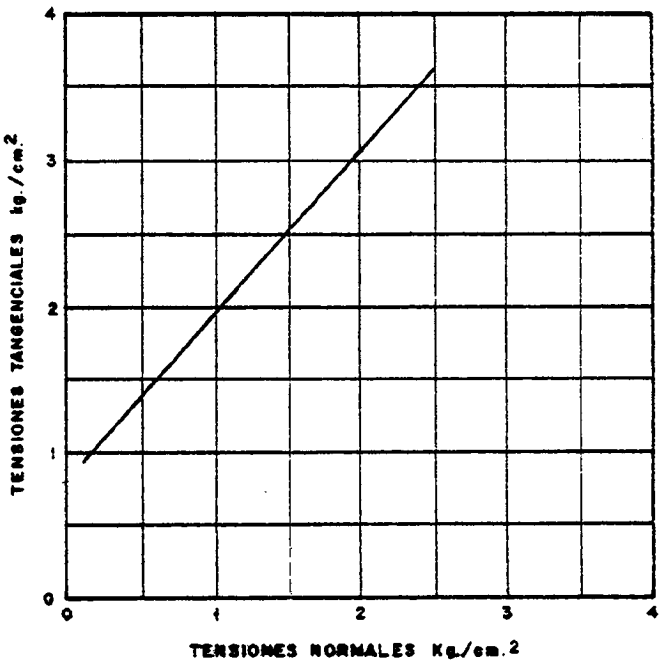
FECHA: 18-8-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
4	1,1	0,375
5	1,65	0,750
6	2,2	1,125
7	2,8	1,875

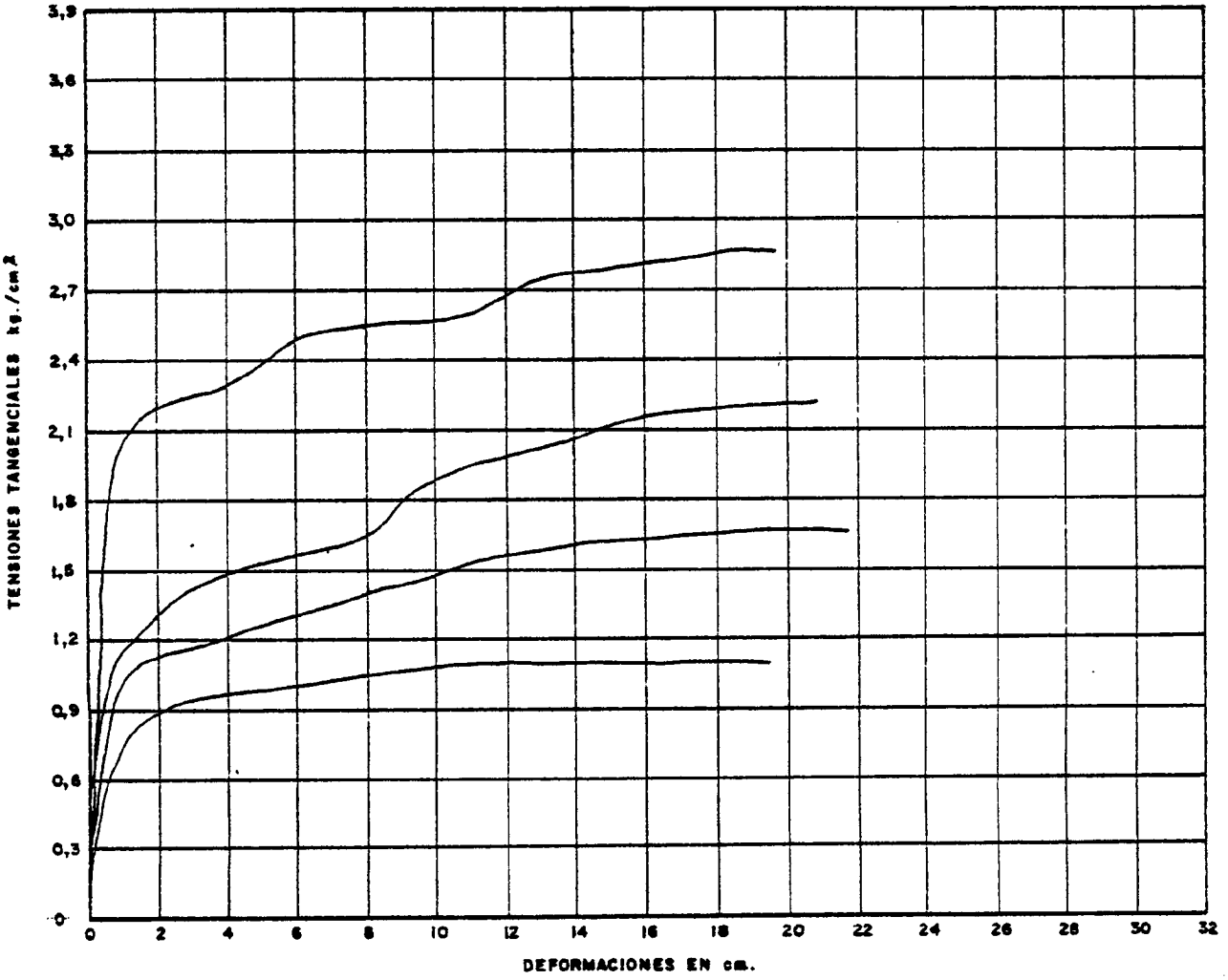
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0,778 + 1,12\,\sigma$

$\phi = 48^{\circ}$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: M-5

EDAD: 7 días

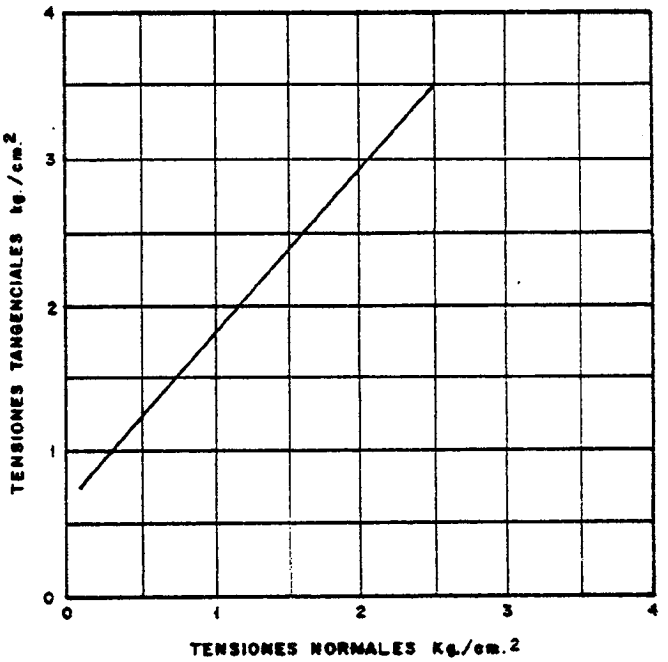
FECHA: 24-8-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
8	1,2	0,487
9	1,45	0,73
10	2,2	1,46
11	2,75	1,825

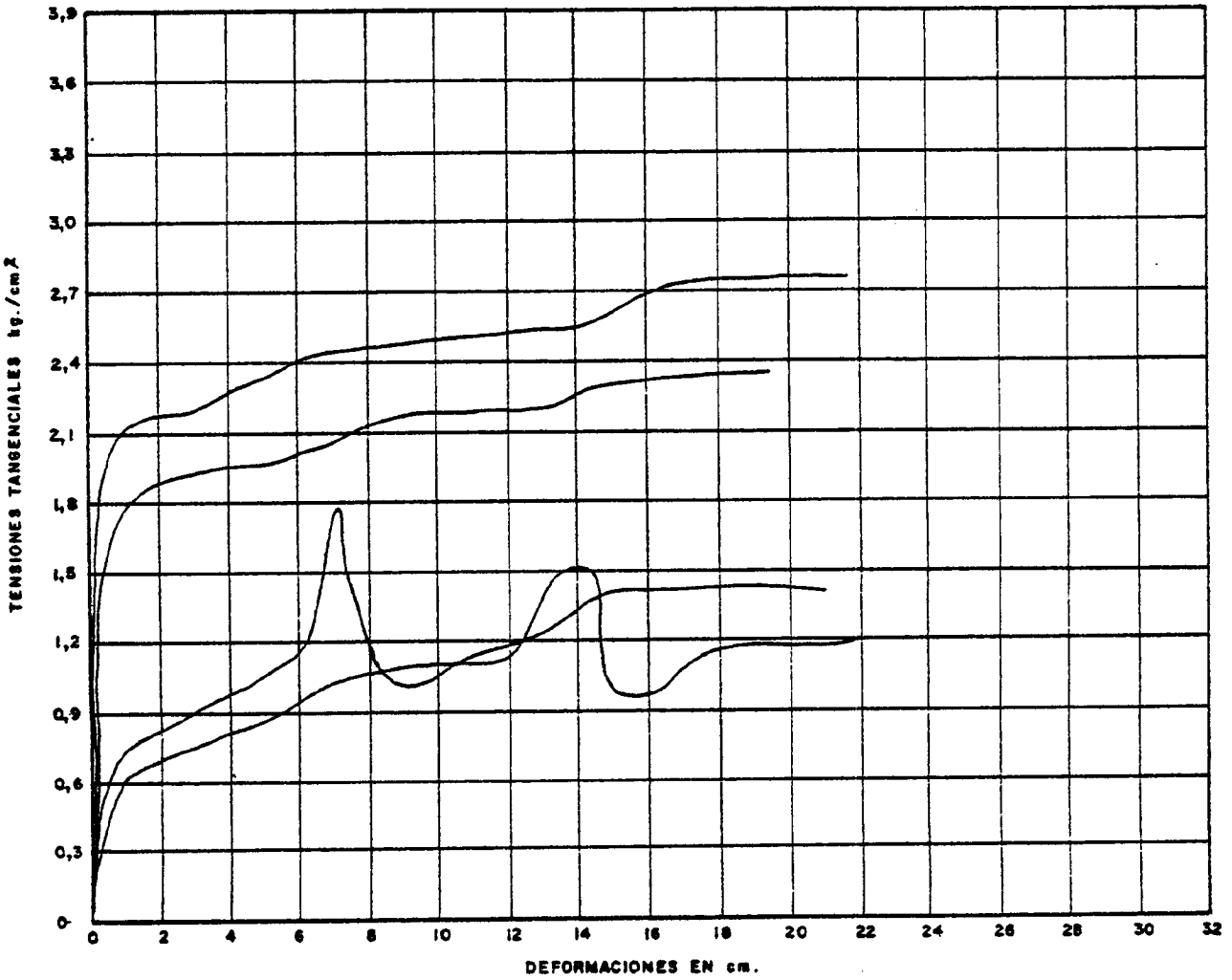
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0{,}625 + 1{,}132\sigma$

$\phi = 48^{\circ}$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: F-2 Bis

EDAD: 12h.

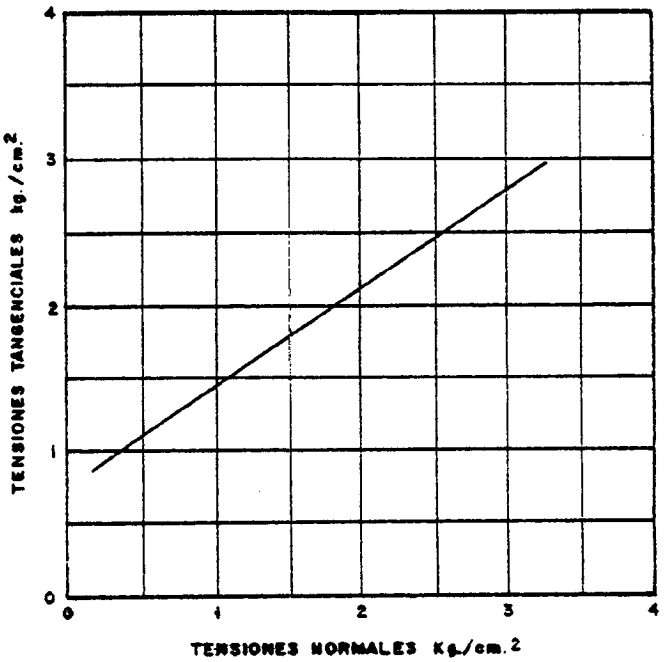
FECHA: 26-8-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
1	0,9	0,29
2	1,23	0,58
3	1,5	1,16

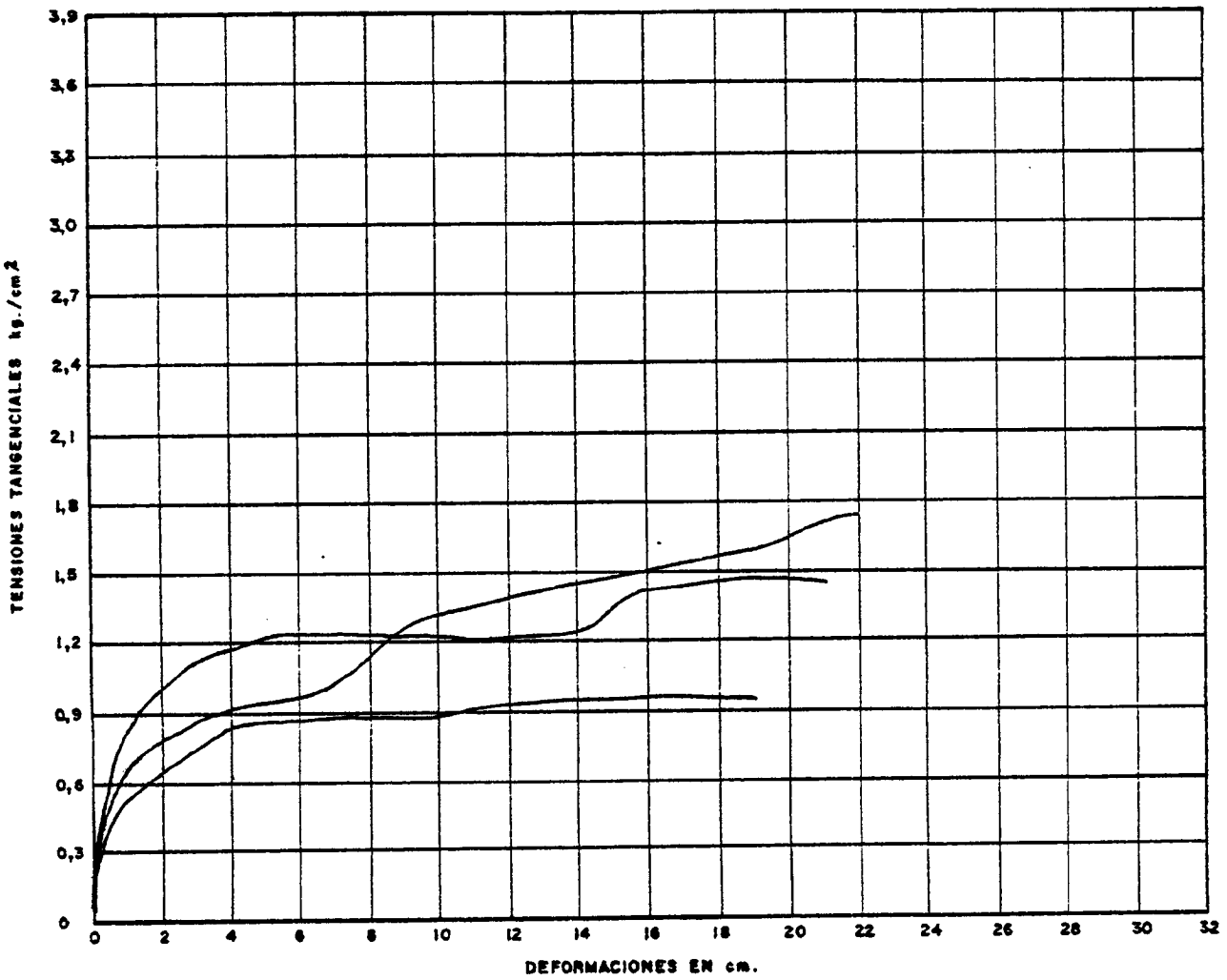
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0{,}765 + 0{,}657\ \sigma$

$\phi = 33º$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: F-2 Bis

EDAD: 24h.

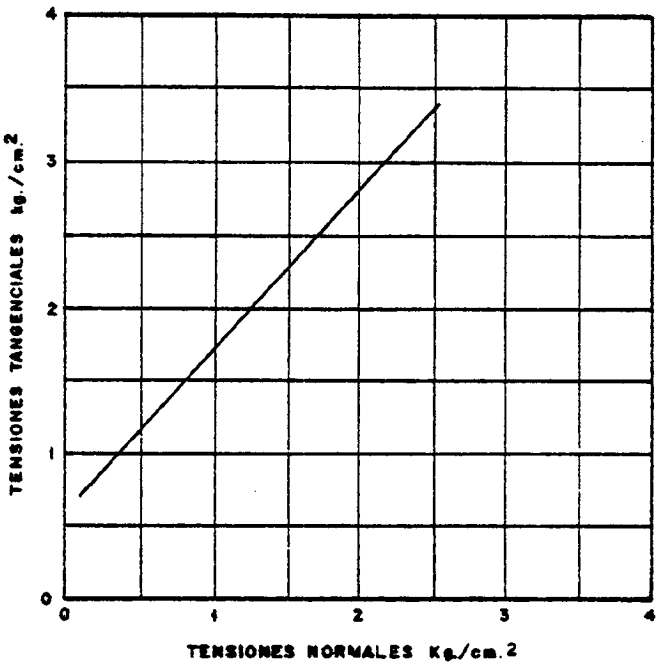
FECHA: 27-8-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
4	1,0	0,4
5	1,85	1,2
6	2,65	1,8
7	3,1	2,4

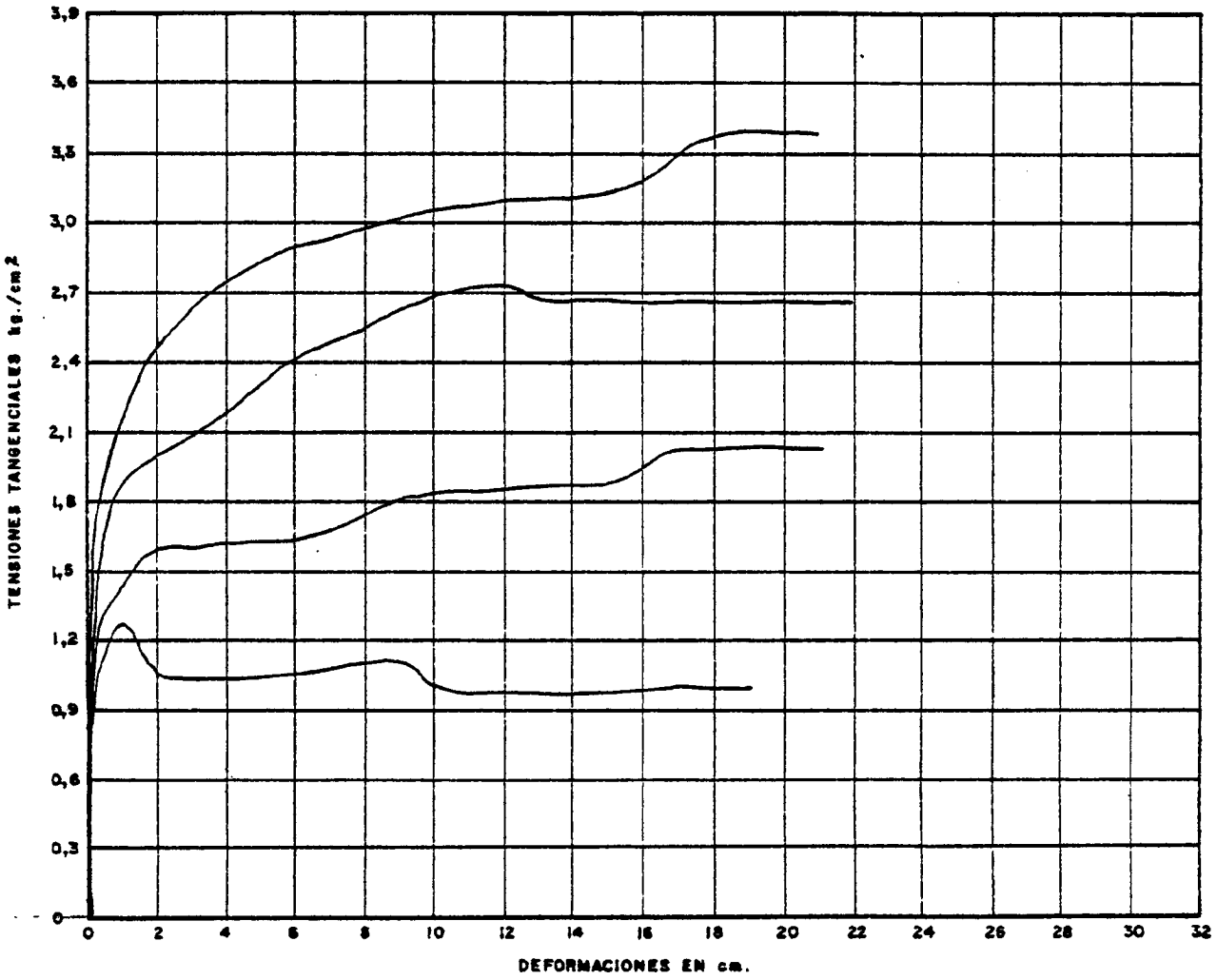
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 0{,}587 + 1{,}077\,\sigma$

$\phi = 47º$



REPRESENTACION DE LOS ENSAYOS DE CORTE



ENSAYO DE RELLENOS CONSOLIDABLES

ENSAYO DE CORTE DIRECTO

FORMULACION: F-2 Bis

EDAD: 7 días

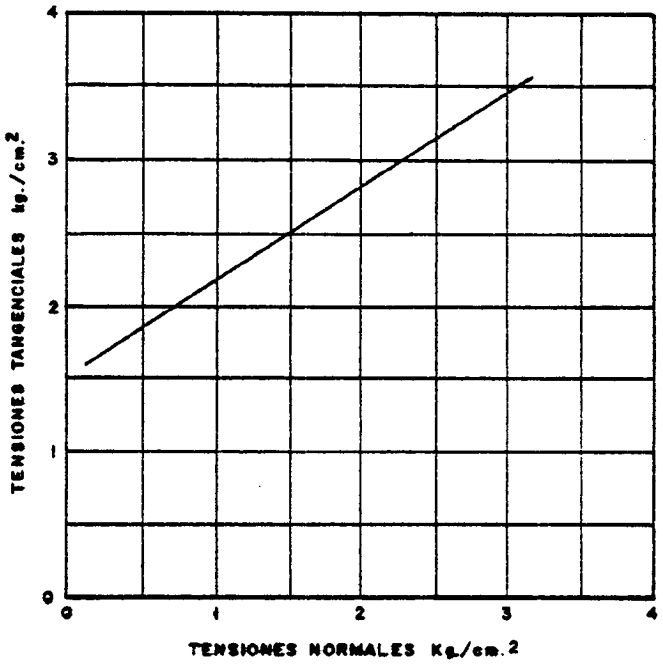
FECHA: 2-9-81

DEFINICION DE LAS ROTURAS		
PROBETAS	TENSION DE CORTE τ (kg/cm²)	TENSION NORMAL σ (kg/cm²)
8	1,9	0,56
9	2,1	0,84
10	2,4	1,69
11	3,0	2,11

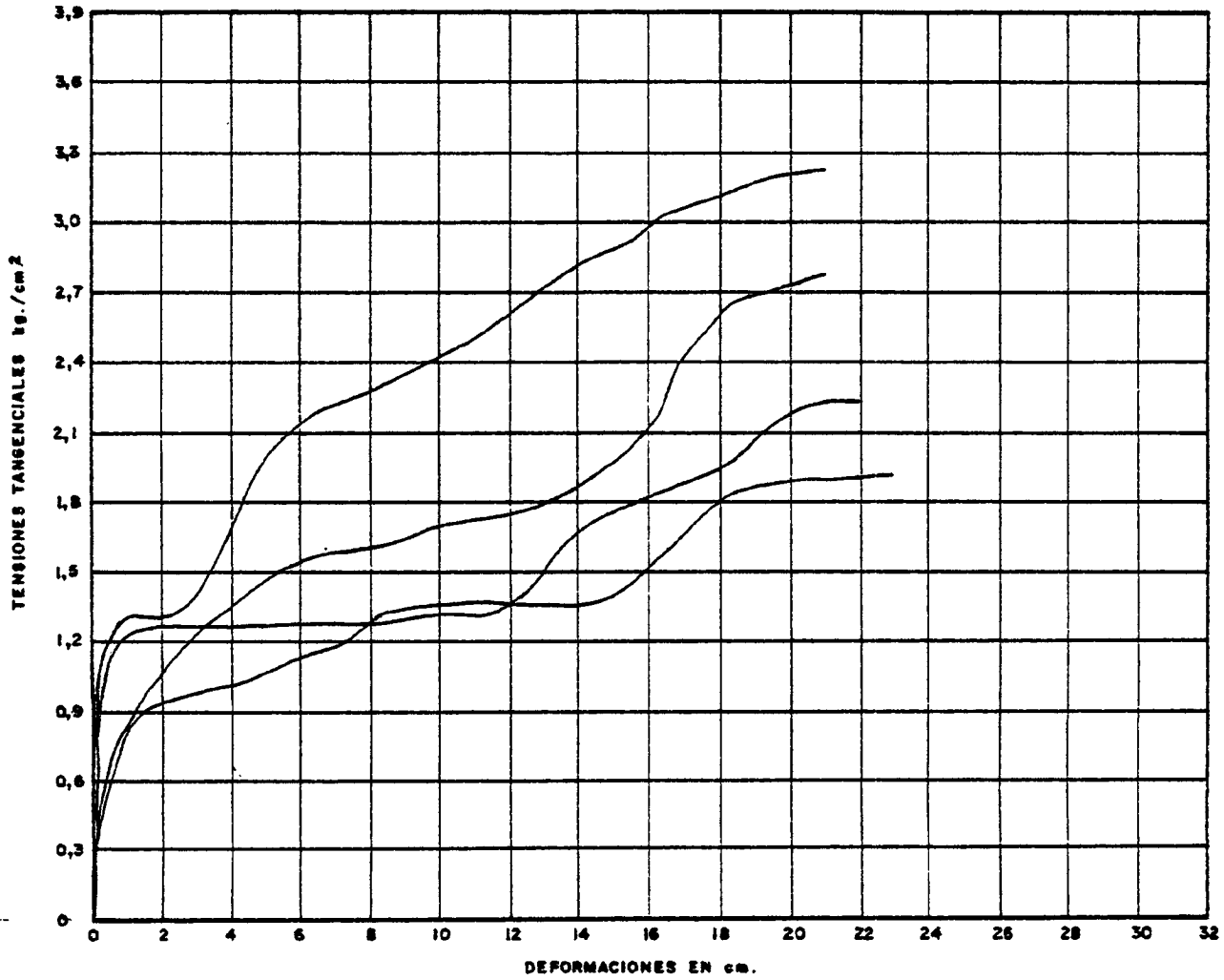
ESTIMACION DE LA CURVA INTRINSECA

$\tau = 1{,}52 + 0{,}634\sigma$

$\phi = 32º$



REPRESENTACION DE LOS ENSAYOS DE CORTE



I.3.- Resultados del modelo geomecánico.

I.3.1.- Taller con relleno normal.

NUMERO DE ELEMENTOS = 546

NUMERO DE NUDOS = 318

NUMERO DE NUDOS CON MOVIMIENTO ESTABLECIDO = 30

NLAY	E1	E2	PR1	PR2	GE	GAMX	GAMY	ANIE
1	0.18000 05	0.18000 05	0.15000 00	0.15000 00	0.78260 04	0.0	0.0	0.50000 02
2	0.23000 05	0.23000 05	0.15000 00	0.15000 00	0.10000 05	0.0	0.0	0.50000 02
3	0.60000 04	0.60000 04	0.25000 00	0.25000 00	0.24000 04	0.0	0.0	0.50000 02
4	0.11000 05	0.11000 05	0.20000 00	0.20000 00	0.45830 04	0.0	0.0	0.50000 02
5	0.50000 04	0.50000 04	0.45000 00	0.45000 00	0.17240 04	0.0	0.0	0.50000 02
6	0.80000 03	0.80000 03	0.40000 00	0.40000 00	0.28500 03	0.0	0.0	0.50000 02
7	0.70000 01	0.70000 01	0.40000 00	0.40000 00	0.25000 01	0.0	0.0	0.50000 02
8	0.70000 01	0.70000 01	0.40000 00	0.40000 00	0.25000 01	0.0	0.0	0.50000 02
9	0.70000 01	0.70000 01	0.40000 00	0.40000 00	0.25000 01	0.0	0.0	0.50000 02
10	0.70000 01	0.70000 01	0.40000 00	0.40000 00	0.25000 01	0.0	0.0	0.50000 02
11	0.30000 02	0.30000 02	0.30000 00	0.30000 00	0.11500 02	0.0	0.0	0.50000 02
12	0.11000 05	0.11000 05	0.20000 00	0.20000 00	0.45830 04	0.0	0.0	0.50000 02
13	0.60000 04	0.60000 04	0.25000 00	0.25000 00	0.24000 04	0.0	0.0	0.50000 02
14	0.23000 05	0.23000 05	0.15000 00	0.15000 00	0.10000 05	0.0	0.0	0.50000 02
15	0.11000 05	0.11000 05	0.20000 00	0.20000 00	0.45830 04	0.0	0.0	0.50000 02
16	0.60000 04	0.60000 04	0.25000 00	0.25000 00	0.24000 04	0.0	0.0	0.50000 02

CARACTERISTICAS DE LA DEFORMACION

	X-COMP FUERZA	Y-COMP FUERZA	X-TENS FUERZA	Y-TENS-FUERZA	XY-CORTANTE
1	0.7000000 03	0.7000000 03	0.7000000 02	0.7000000 02	0.7300000 02
2	0.9000000 03	0.9000000 03	0.9000000 02	0.9000000 02	0.9400000 02
3	0.3000000 03	0.3000000 03	0.3000000 02	0.3000000 02	0.3140000 02
4	0.5000000 03	0.5000000 03	0.5000000 02	0.5000000 02	0.5200000 02
5	0.1000000 03	0.1000000 03	0.1000000 02	0.1000000 02	0.1040000 02
6	0.2500000 03	0.2500000 03	0.2500000 02	0.2500000 02	0.2630000 02
7	0.1000000 01	0.1000000 01	0.1000000 00	0.1000000 00	0.1400000 00
8	0.1000000 01	0.1000000 01	0.1000000 00	0.1000000 00	0.1400000 00
9	0.1000000 01	0.1000000 01	0.1000000 00	0.1000000 00	0.1400000 00

1.3.1.1

11	0.1200000D 02	0.1200000D 02	0.1200000D 01	0.1200000D 01	0.1200000D 01
12	0.5000000D 03	0.5000000D 03	0.5000000D 02	0.5000000D 02	0.5200000D 02
13	0.3000000D 03	0.3000000D 03	0.3000000D 02	0.3000000D 02	0.3140000D 02
14	0.9000000D 03	0.9000000D 03	0.9000000D 02	0.9000000D 02	0.9400000D 02
15	0.5000000D 03	0.5000000D 03	0.5000000D 02	0.5000000D 02	0.5200000D 02
16	0.3000000D 03	0.3000000D 03	0.3000000D 02	0.3000000D 02	0.3140000D 02

ITERACIONES MAXIM. = 1000

FACTOR DE RELAJACION = 0.100 ERROR MAXIMO TOTAL = 0.1000D 02

CONDICIONES DE CONTORNO

1	0	5	2	6	2	22	0	23	0	44	0	45	0	66	0	67	0	88	0	89	0	110	0
11	0	140	0	149	0	178	0	187	0	208	0	209	0	230	0	231	0	252	0	253	0	274	0
275	0	296	0	297	0	313	2	314	2	318	0												

SIN ESFUERZOS INICIALES

DEFORMACION EXTENDIDA DE VON MISES

100	ITERACIONES COMPLETAS	TOTAL ERROR ACTUAL =	0.325456D 04
200	ITERACIONES COMPLETAS	TOTAL ERROR ACTUAL =	0.295699D 04
300	ITERACIONES COMPLETAS	TOTAL ERROR ACTUAL =	0.274816D 04
400	ITERACIONES COMPLETAS	TOTAL ERROR ACTUAL =	0.260525D 04
500	ITERACIONES COMPLETAS	TOTAL ERROR ACTUAL =	0.250928D 04
600	ITERACIONES COMPLETAS	TOTAL ERROR ACTUAL =	0.235038D 04
700	ITERACIONES COMPLETAS	TOTAL ERROR ACTUAL =	0.226366D 04
800	ITERACIONES COMPLETAS	TOTAL ERROR ACTUAL =	0.218967D 04
900	ITERACIONES COMPLETAS	TOTAL ERROR ACTUAL =	0.212668D 04
1000	ITERACIONES COMPLETAS	TOTAL ERROR ACTUAL =	0.207063D 04

MAXIMO DE ITERACIONES COMPLETADO SIN CONVERGENCIA

1000	ITERACIONES COMPLETAS	TOTAL ERROR ACTUAL =	0.207063D 04

RESULTADOS DEL ANALISIS ELASTICO

2	2	21	22	8.27	13.64	2.13	14.38	1.53	70.79	0.00070906	0.00027083	70.79
3	22	21	23	1.51	8.58	6.27	12.24	-2.15	59.71	0.00068515	-0.00023390	59.71
4	21	24	23	6.74	14.99	1.62	15.40	0.43	79.27	0.00076916	0.00022054	79.27
5	23	24	44	2.51	14.25	2.79	14.87	1.88	77.29	0.00078572	-0.00004020	77.29
6	24	43	44	4.91	16.14	1.15	16.26	4.79	84.21	0.00083703	0.00010457	84.21
7	44	43	45	2.78	15.77	1.62	15.97	2.58	82.99	0.00084231	-0.00001272	82.99
8	43	46	45	3.79	16.47	1.02	16.55	3.71	85.42	0.00086304	0.00004303	85.42
9	45	46	66	2.88	16.30	1.24	16.42	2.76	84.76	0.00086510	-0.00000728	84.76
10	46	65	66	2.82	16.29	1.27	16.41	2.70	84.67	0.00086513	-0.00001043	84.67
11	66	65	67	2.88	16.30	1.27	16.42	2.76	84.66	0.00086513	-0.00000755	84.66
12	65	68	67	1.60	14.70	2.27	15.08	1.22	80.43	0.00080719	-0.00007835	80.43
13	67	68	88	2.63	14.88	1.69	15.10	2.40	82.30	0.00079728	-0.00001456	82.30
14	68	87	88	0.31	11.68	3.96	12.92	-0.93	72.56	0.00071070	-0.00017459	72.56
15	88	87	89	2.12	12.00	2.18	12.46	1.00	78.08	0.00066066	-0.00002944	78.08
16	87	90	89	-0.58	6.04	6.15	9.71	-4.25	59.14	0.00056790	-0.00032378	59.14
17	89	90	110	1.12	6.33	2.65	7.44	0.01	67.28	0.00040411	-0.00007083	67.28
18	90	109	111	4.78	14.64	12.24	22.90	-3.49	55.97	0.00127730	-0.00040905	55.97
19	109	112	111	1.89	22.31	8.23	25.21	-1.01	70.56	0.00137875	-0.00025655	70.56
20	109	112	111	1.89	22.31	8.23	25.21	-1.01	70.56	0.00137875	-0.00025655	70.56
21	111	112	140	3.39	22.57	-17.33	32.79	-6.83	-59.48	0.00184604	-0.00006516	-59.48
22	112	139	140	1.42	-3.02	-1.96	2.16	-3.76	-20.76	0.00015333	-0.00022504	-20.76
23	140	139	149	-0.60	-3.37	2.36	0.76	-4.73	29.78	0.00008645	-0.00020396	29.78
24	139	150	149	2.37	-0.77	0.33	2.41	-0.81	5.91	0.00013837	-0.00006681	5.91
25	149	150	178	-0.22	-1.23	1.65	1.01	-2.45	36.50	0.00007818	-0.00014281	36.50
26	150	177	178	1.85	0.02	0.57	2.01	-0.14	15.94	0.00011034	-0.00002683	15.94
27	178	177	187	-0.06	-0.31	1.13	0.96	-1.32	41.75	0.00006455	-0.00008104	41.75
28	177	188	187	1.21	0.34	0.53	1.46	0.09	25.37	0.00007860	-0.00005533	25.37
29	187	188	208	0.02	0.13	0.81	0.88	-0.73	46.89	0.00005502	-0.00004822	46.89
30	188	207	208	0.85	0.43	0.49	1.17	0.11	33.31	0.00006258	-0.00005501	33.31
31	208	207	209	0.05	0.29	0.59	0.77	-0.43	50.80	0.00004591	-0.00003054	50.80
32	207	210	209	0.67	0.45	0.39	0.96	0.16	37.03	0.00005082	-0.00000065	37.03
33	209	210	230	0.06	0.34	0.42	0.64	-0.24	54.31	0.00003721	-0.00001520	54.31
34	210	229	230	-0.54	0.45	0.27	0.77	0.22	40.20	0.00003988	-0.00000430	40.20
35	230	229	231	0.06	0.36	0.29	0.54	-0.11	58.75	0.00003028	-0.00001115	58.75
36	229	232	231	0.43	0.46	0.13	0.57	0.32	40.61	0.00002800	-0.00001181	40.61
37	231	232	252	-0.07	0.40	-0.14	0.45	0.02	69.75	0.00002422	-0.00000325	69.75
38	232	251	252	0.36	0.51	-0.00	0.51	0.36	-89.09	0.00002432	-0.00001477	-89.09
39	252	251	253	0.08	0.46	0.02	0.46	0.08	86.38	0.00002441	-0.00000010	86.38
40	251	254	253	0.34	0.68	-0.17	0.75	0.27	-67.16	0.00003643	-0.00000718	-67.16
41	253	254	274	0.11	0.64	-0.13	0.67	0.08	-76.82	0.00003568	-0.00000196	-76.82
42	254	273	274	0.42	0.93	-0.46	1.20	0.15	-59.49	0.00006386	-0.00000335	-59.49
43	274	273	275	0.16	0.88	-0.42	1.08	-0.04	-65.38	0.00005891	-0.00001237	-65.38
44	273	276	275	0.81	1.40	-1.12	2.26	-0.06	-52.37	0.00012334	-0.00002479	-52.37
45	275	276	296	0.23	1.29	-1.06	1.95	-0.42	-58.37	0.00010573	-0.00004162	-58.37
46	276	295	296	1.75	2.60	-2.86	5.06	-0.71	-49.20	0.00028176	-0.00006716	-49.20
47	296	295	297	0.42	2.36	-2.71	4.27	-1.49	-54.87	0.00024605	-0.00012182	-54.87
48	295	298	297	3.79	4.46	-6.75	10.88	-2.64	-46.42	0.00061600	-0.00024738	-46.42
49	297	298	318	0.69	3.91	-6.54	9.03	-4.63	-51.92	0.00053209	-0.00032724	-51.92
50	298	317	318	7.05	-5.29	-15.26	17.34	-15.58	-33.99	0.00109168	-0.00101268	-33.99
51	2	3	21	7.49	0.00	9.46	13.92	-6.42	34.20	0.00063962	-0.00037724	34.20
52	3	20	21	16.79	11.86	1.16	17.05	11.00	12.59	0.00003755	0.00036505	12.59
53	21	20	24	7.02	10.13	3.94	12.81	4.34	55.79	0.00051196	0.00006823	55.79
54	20	25	24	11.34	14.59	0.15	14.59	11.33	87.35	0.00053520	0.00037212	87.35
55	24	25	43	5.01	13.47	1.82	13.85	4.64	78.33	0.00055370	0.00005317	78.33
56	25	42	43	7.84	16.10	-0.19	16.10	7.84	-88.66	0.00062550	0.00021230	-88.66
57	43	42	46	3.85	15.35	0.80	15.45	3.80	80.04	0.00062805	0.00004548	80.04
58	42	47	46	5.76	16.98	-0.42	17.00	5.74	-87.80	0.00067945	0.00011644	-87.80
59	46	47	65	2.84	16.47	0.40	16.48	2.83	88.33	0.00067925	-0.00000346	88.33
60	47	64	65	4.39	17.56	-0.53	17.58	4.36	-87.72	0.00071442	0.00005365	-87.72
61	65	64	68	1.75	17.09	0.57	17.11	1.73	87.88	0.00071443	-0.00005452	87.88
62	64	69	68	3.30	17.09	0.03	17.09	3.30	89.89	0.00070171	0.00001206	89.89
63	68	69	87	0.70	16.63	1.43	16.76	0.57	84.90	0.00070810	-0.00001150	84.90
64	69	86	87	2.52	15.57	1.74	15.80	2.29	82.52	0.00065430	-0.00002100	82.52
65	87	86	90	0.59	15.23	3.06	15.85	-0.02	78.66	0.00067360	-0.00011983	78.66

1.3.1.3

68	91	108	109	-1.99	14.52	0.65	18.22	-5.69	66.82	0.00001723	-0.00037071	66.82
69	109	108	112	0.01	14.87	5.85	16.90	-2.02	70.88	0.00073242	-0.00021241	70.88
70	108	111	112	-3.91	11.32	8.61	15.20	-7.79	65.74	0.00070439	-0.00044510	65.74
71	112	113	139	4.76	12.85	-5.32	15.48	2.12	-63.63	0.00004207	-0.00002595	-63.63
72	113	138	139	1.80	1.74	1.71	3.49	0.06	44.48	0.00014771	-0.00002372	44.48
73	139	138	150	3.57	2.05	-1.20	4.23	1.39	-28.85	0.00016520	-0.00002741	-28.85
74	138	151	150	3.32	0.13	-0.03	3.32	0.13	-0.52	0.00014002	-0.00001926	-0.52
75	150	151	177	2.35	-0.04	-0.25	2.37	-0.07	-5.99	0.00010132	-0.00002056	-5.99
76	151	176	177	2.19	0.31	-0.43	2.28	0.22	-12.31	0.00009540	-0.00000797	-12.31
77	177	176	188	1.50	0.19	0.18	1.53	0.16	7.73	0.00006370	-0.00000450	7.73
78	176	189	188	1.72	0.46	-0.01	1.72	0.46	-0.57	0.00006570	0.00000641	-0.57
79	188	189	207	1.05	0.34	0.35	1.20	0.19	22.39	0.00004945	-0.00000082	22.39
80	189	206	207	1.44	0.38	0.26	1.50	0.32	13.31	0.00006127	0.00000225	13.31
81	207	206	210	0.80	0.27	0.34	0.97	0.11	25.77	0.00004029	-0.00000275	25.77
82	206	211	210	1.18	0.34	0.23	1.24	0.28	14.45	0.00005065	0.00000242	14.45
83	210	211	229	0.63	0.24	0.26	0.76	0.11	26.30	0.00002140	-0.00000092	26.30
84	211	228	229	0.93	0.33	0.15	0.96	0.29	13.64	0.00003874	0.00000516	13.64
85	229	228	232	0.49	0.25	0.18	0.58	0.16	28.07	0.00002359	0.00000232	28.07
86	228	233	232	0.69	0.36	0.07	0.71	0.35	10.84	0.00002746	0.00000941	10.84
87	232	233	251	0.40	0.31	0.08	0.45	0.20	30.06	0.00001712	0.00000775	30.06
88	233	250	251	0.57	0.42	-0.02	0.57	0.42	-6.35	0.00002098	0.00001364	-6.35
89	251	250	254	0.35	0.38	-0.00	0.38	0.35	-86.23	0.00001373	0.00001188	-86.23
90	250	255	254	0.52	0.60	-0.14	0.70	0.41	-53.09	0.00002682	0.00001211	-53.09
91	254	255	273	0.43	0.58	-0.09	0.62	0.39	-65.58	0.00002347	0.00001202	-65.58
92	255	272	273	0.62	0.74	-0.28	0.97	0.39	-51.27	0.00003819	0.00000926	-51.27
93	273	272	276	0.85	0.78	-0.30	1.12	0.52	-41.55	0.00004352	0.00001378	-41.55
94	272	277	276	1.22	0.91	-0.70	1.78	0.35	-38.64	0.00007289	0.00000160	-38.64
95	276	277	295	1.83	1.02	-0.79	2.32	0.53	-31.33	0.00009447	0.00000529	-31.33
96	277	294	295	2.87	1.51	-2.04	4.34	0.04	-35.82	0.00018403	-0.00000380	-35.82
97	295	294	298	4.14	1.74	-2.08	5.34	0.54	-29.98	0.00022294	-0.00001717	-29.98
98	294	299	298	7.36	2.16	-6.07	11.36	-1.84	-33.40	0.00045653	-0.00018337	-33.40
99	298	299	317	10.69	2.75	-3.95	12.32	1.12	-22.41	0.00051516	-0.00004476	-22.41
100	299	316	317	16.85	1.11	-11.78	23.15	-5.18	-28.13	0.00102259	-0.00039393	-28.13
101	3	4	20	4.81	2.43	5.23	8.98	-1.75	38.59	0.00145467	-0.00074140	38.59
102	4	19	20	11.19	11.28	0.53	11.77	10.71	47.37	0.00128065	0.00106050	47.37
103	20	19	25	5.51	9.39	1.85	10.13	4.77	68.19	0.00133364	-0.00021849	68.19
104	19	26	25	8.91	14.41	-0.58	14.47	8.85	-84.09	0.00179598	0.00062893	-84.09
105	25	26	42	5.82	13.38	0.15	13.38	5.82	88.87	0.00178819	0.00021151	88.87
106	26	41	42	7.73	16.21	-0.99	16.33	7.62	-83.44	0.00215403	0.00034018	-83.44
107	42	41	47	5.56	15.62	-0.47	15.64	5.93	-87.25	0.00213503	0.00011257	-87.25
108	41	48	47	6.94	17.35	-1.04	17.45	6.83	-84.34	0.00237127	0.00015859	-84.34
109	47	48	64	6.03	17.05	-0.58	17.08	6.00	-87.00	0.00235604	0.00004838	-87.00
110	48	63	64	6.45	18.39	-0.86	18.45	6.38	-85.90	0.00254986	0.00003882	-85.90
111	64	63	69	6.18	18.30	-0.27	18.30	6.17	-88.72	0.00253827	0.00001080	-88.72
112	63	70	69	5.85	19.04	-0.16	19.04	5.85	-89.30	0.00267110	-0.00007835	-89.30
113	69	70	86	6.34	19.21	0.60	19.23	6.31	87.32	0.00267657	-0.00001542	87.32
114	70	85	86	4.87	19.10	1.00	19.17	4.80	86.01	0.00274509	-0.00024819	86.01
115	86	85	91	6.29	19.57	1.96	19.86	6.01	81.78	0.00278555	-0.00005525	81.78
116	85	92	91	3.58	18.35	2.94	18.91	3.02	79.13	0.00279794	-0.00051388	79.13
117	91	92	108	5.04	18.83	3.50	19.67	4.20	76.55	0.00285438	-0.00036766	76.55
118	92	107	108	1.82	15.56	5.55	17.52	-0.14	70.54	0.00274462	-0.00053449	70.54
119	108	107	113	3.80	16.22	3.66	17.22	2.80	74.73	0.00254444	-0.00045929	74.73
120	107	114	113	1.98	7.31	6.35	11.53	-2.24	56.39	0.00191744	-0.00059020	56.39
121	113	114	124	4.42	8.12	5.10	11.70	0.84	54.57	0.00178424	-0.00047770	54.57
122	113	124	138	1.15	2.24	1.26	3.07	0.32	56.63	0.00046333	-0.00010983	56.63
123	124	137	138	3.09	-0.42	3.21	4.99	-2.32	30.69	0.00090145	-0.00062317	30.69
124	138	137	143	4.03	-0.10	0.36	4.06	-0.14	4.99	0.00064140	-0.00023272	4.99
125	138	143	151	0.44	-1.35	-0.27	0.48	-1.39	-8.35	0.00014834	-0.00024300	-8.39
126	143	152	151	1.42	0.06	-1.19	2.11	-0.62	-30.16	0.00030143	-0.00020716	-30.16
127	151	152	162	0.59	-0.21	-1.05	1.31	-0.54	-34.62	0.00025415	-0.00021509	-34.62
128	151	162	176	0.79	0.62	-0.49	1.20	0.21	-40.26	0.00017722	-0.00002995	-40.26
129	162	175	176	0.38	0.85	-0.67	1.33	-0.10	-54.68	0.00021295	-0.00008436	-54.68
130	176	175	184	0.22	0.80	-0.30	0.92	0.05	-67.22	0.00013540	-0.00003336	-67.22
131	176	184	189	0.78	1.00	-0.20	1.11	0.66	-59.66	0.00013513	0.00004591	-59.66

134	190	205	206	0.41	0.38	0.13	0.53	0.26	41.51	0.00006880	0.00001381	41.97
135	206	205	211	0.44	0.39	0.03	0.45	0.37	28.70	0.00005160	0.00002444	28.70
136	205	212	211	0.39	0.28	0.07	0.43	0.25	26.20	0.00005416	0.00001027	26.20
137	211	212	220	0.32	0.26	0.04	0.34	0.24	24.63	0.00004036	0.00002024	24.63
138	212	227	220	0.32	0.27	0.03	0.34	0.25	25.50	0.00003992	0.00002204	25.50
139	220	227	233	0.25	0.25	0.04	0.29	0.21	42.15	0.00003348	0.00001870	42.15
140	227	234	233	0.29	0.32	0.01	0.32	0.28	68.35	0.00003611	0.00002701	68.35
141	233	234	250	0.23	0.30	0.03	0.31	0.23	71.63	0.00003661	0.00001918	71.63
142	234	249	250	0.32	0.38	-0.02	0.39	0.32	-70.37	0.00004418	0.00002912	-70.37
143	250	249	255	0.23	0.35	-0.02	0.35	0.22	-81.40	0.00004306	0.00001683	-81.40
144	249	256	255	0.35	0.58	-0.09	0.61	0.32	-70.92	0.00007867	0.00001806	-70.92
145	255	256	272	0.32	0.57	-0.05	0.58	0.31	-78.42	0.00007445	0.00001833	-78.42
146	256	271	272	0.42	0.68	-0.15	0.75	0.35	-65.63	0.00009850	0.00001576	-65.63
147	272	271	277	0.53	0.72	-0.15	0.80	0.45	-61.32	0.00010120	0.00002831	-61.32
148	271	278	277	0.67	0.67	-0.38	1.05	0.25	-44.72	0.00014530	-0.00000584	-44.72
149	277	278	294	0.96	0.76	-0.43	1.30	0.42	-38.41	0.00018066	-0.00000126	-38.41
150	278	293	294	1.40	0.74	-1.16	2.27	-0.13	-37.12	0.00036230	-0.00013929	-37.12
151	294	293	299	2.24	1.02	-1.18	2.96	0.31	-31.35	0.00044580	-0.00010554	-31.35
152	293	300	299	3.59	1.08	-3.40	5.96	-1.25	-34.84	0.00059777	-0.00053138	-34.84
153	299	300	316	5.05	1.56	-2.83	6.63	-0.02	-29.18	0.00103676	-0.00034780	-29.18
154	300	315	316	10.03	5.67	-9.12	17.23	-1.53	-38.28	0.00217172	-0.00112678	-38.28
155	4	5	19	13.52	2.43	-0.65	13.95	2.40	-3.24	0.00116552	-0.00005542	-3.24
156	5	18	19	15.84	11.46	-1.39	16.24	11.06	-16.21	0.00117639	0.00006100	-16.21
157	19	18	26	9.84	9.96	1.34	11.24	8.50	46.31	0.00079453	0.00050152	46.31
158	18	27	26	13.02	14.57	-1.60	15.58	12.02	-57.55	0.00109718	0.00070856	-57.95
159	26	27	41	7.47	13.19	-0.49	13.23	7.42	-85.12	0.00095242	0.00035925	-85.12
160	27	40	41	9.46	16.77	-1.99	17.28	8.95	-75.73	0.00131265	0.00040448	-75.73
161	41	40	48	6.04	15.92	-1.04	16.03	5.54	-84.04	0.00126939	0.00016825	-84.04
162	40	49	48	7.24	18.34	-1.96	18.68	6.90	-80.25	0.00147974	0.00019499	-80.25
163	48	49	63	5.02	17.79	-1.08	17.88	4.92	-85.18	0.00145209	0.00003970	-85.18
164	49	62	63	6.06	19.87	-1.88	20.12	5.81	-82.37	0.00162561	0.00006777	-82.37
165	63	62	70	3.94	19.34	-0.68	19.37	3.91	-87.48	0.00160534	-0.00008121	-87.48
166	62	71	70	5.31	21.28	-1.63	21.45	5.14	-84.22	0.00175566	-0.00001928	-84.22
167	70	71	85	2.47	20.57	-0.02	20.57	2.47	-89.92	0.00174163	-0.00023370	-89.92
168	71	84	85	4.78	22.75	-1.37	22.85	4.68	-85.66	0.00189249	-0.00009056	-85.66
169	85	84	92	-0.91	21.78	1.34	21.87	0.82	86.35	0.00189043	-0.00040542	86.35
170	84	93	92	3.76	24.46	-0.32	24.46	3.75	-89.11	0.00205319	-0.00020642	-89.11
171	92	93	107	-0.16	23.48	4.67	24.37	-1.05	79.21	0.00214584	-0.00062326	79.21
172	93	106	107	-2.11	18.50	8.41	21.49	-5.11	70.38	0.00198735	-0.00051481	70.38
173	107	106	114	4.20	20.07	7.16	22.83	1.44	68.97	0.00196058	-0.00037198	68.97
174	106	115	114	5.16	4.82	10.25	17.46	-3.49	39.03	0.00160034	-0.00008532	39.03
175	114	115	123	-10.26	-0.03	4.44	1.63	-11.92	69.51	0.00040199	-0.00107552	69.51
176	114	123	124	3.74	2.68	1.81	5.10	1.32	36.85	0.00041595	0.00000374	36.85
177	123	125	124	-0.33	-0.17	4.18	3.93	-4.43	45.54	0.00043980	-0.00047251	45.54
178	124	125	129	-12.24	-3.15	4.60	-1.22	-14.16	67.32	0.00020213	-0.00120923	67.32
179	124	129	137	5.85	0.28	0.90	5.99	0.13	8.99	0.00052000	-0.00011914	8.99
180	129	136	137	-1.26	-6.17	6.46	3.19	-10.62	34.58	0.00051042	-0.00059707	34.58
181	137	136	142	-15.54	-9.75	10.65	-1.61	-23.68	52.61	0.00037618	-0.00203122	52.61
182	137	142	143	5.24	-8.12	-2.84	5.82	-8.70	-11.51	0.00065785	-0.00008657	-11.51
183	142	144	143	-3.50	-2.29	-9.22	6.35	-12.14	-46.87	0.00081697	-0.00119797	-46.87
184	143	144	148	-12.20	-4.49	-5.45	-1.68	-15.08	-62.76	0.00081245	-0.00127574	-62.76
185	143	149	152	2.46	-0.16	-2.31	3.80	-1.50	-30.25	0.00036475	-0.00021404	-30.25
186	148	153	152	1.57	1.47	-3.95	5.47	-2.43	-44.66	0.00053071	-0.00033169	-44.66
187	152	153	161	-9.24	-1.23	-2.56	-0.48	-9.99	-73.71	0.00017600	-0.00006143	-73.71
188	152	161	162	1.59	1.66	-1.44	3.07	0.18	-45.66	0.00026384	-0.00005122	-45.66
189	161	163	162	3.23	2.55	-2.16	5.08	0.71	-40.53	0.00042760	-0.00004878	-40.53
190	162	163	167	-8.57	-0.40	-1.45	-0.15	-8.82	-80.23	0.00017561	-0.00076015	-80.23
191	162	167	175	0.67	2.00	-0.75	2.34	0.34	-65.88	0.00019662	-0.00002140	-65.88
192	167	174	175	3.53	2.82	-1.27	4.50	1.85	-37.27	0.00035207	0.00006356	-37.27
193	175	174	179	-5.31	-0.39	-0.64	-0.34	-5.15	-85.93	0.00017431	-0.00008993	-85.93
194	175	179	184	0.44	2.10	-0.08	2.10	0.43	-87.09	0.00017394	-0.00000792	-87.09
195	179	183	184	2.98	2.68	-0.41	3.27	2.29	-34.88	0.00023308	0.00013726	-34.88
196	184	183	185	-11.53	-0.95	0.58	-0.92	-11.57	86.85	0.00017201	-0.00058924	86.85
197	184	185	190	0.43	1.85	0.27	1.90	0.38	79.60	0.00015745	-0.00000826	79.60

200	191	204	205	0.75	0.35	0.24	0.86	0.24	25.18	0.00006959	0.00000238	25.18
201	205	204	212	0.62	0.32	-0.02	0.62	0.32	-4.78	0.00004704	0.00001432	-4.78
202	204	213	212	0.43	0.29	0.04	0.44	0.27	14.42	0.00003213	0.00001430	14.42
203	212	213	227	0.49	0.30	-0.03	0.50	0.30	-8.58	0.00003710	0.00001455	-8.58
204	213	226	227	0.35	0.28	0.02	0.36	0.28	13.49	0.00002511	0.00001649	13.49
205	227	226	234	0.40	0.29	-0.00	0.40	0.29	-0.26	0.00002824	0.00001655	-0.26
206	226	235	234	0.28	0.33	0.06	0.36	0.24	55.29	0.00002651	0.00001334	55.29
207	234	235	249	0.44	0.37	0.07	0.48	0.33	30.09	0.00003516	0.00001785	30.09
208	235	248	249	0.56	0.37	0.01	0.56	0.37	1.56	0.00004104	0.00002002	1.56
209	249	248	256	0.36	0.32	-0.05	0.39	0.29	-33.34	0.00002797	0.00001001	-33.34
210	248	257	256	0.44	0.60	-0.09	0.64	0.39	-65.47	0.00004747	0.00002026	-65.47
211	256	257	271	0.50	0.61	0.00	0.61	0.50	88.07	0.00004280	0.00002984	88.07
212	257	270	271	0.54	0.65	-0.06	0.68	0.51	-64.22	0.00004790	0.00003008	-64.22
213	271	270	278	1.00	0.76	-0.04	1.00	0.75	-9.38	0.00007123	0.00004386	-9.38
214	270	279	278	1.00	0.47	-0.13	1.03	0.45	-12.86	0.00007987	0.00001646	-12.86
215	278	279	293	2.26	0.79	-0.21	2.29	0.76	-8.03	0.00018286	0.00001637	-8.03
216	279	292	293	2.28	0.15	-0.49	2.39	0.04	-12.27	0.00020727	-0.00004024	-12.27
217	293	292	300	6.96	1.09	-0.52	6.11	1.04	-5.86	0.00051094	-0.00004247	-5.86
218	292	301	300	6.40	-0.46	-1.68	6.79	-0.85	-13.06	0.00061132	-0.00022204	-13.06
219	300	301	315	14.99	1.69	-1.13	15.09	1.60	-4.83	0.00128213	-0.00018952	-4.83
220	301	314	315	18.60	7.95	-5.29	20.78	5.77	-22.40	0.00168817	0.00004508	-22.40
221	5	6	18	21.47	17.57	-2.48	22.68	16.36	-25.92	0.00148255	-0.00035031	-25.92
222	6	17	18	18.85	14.02	-2.59	19.97	12.90	-23.49	0.00150270	-0.00054946	-23.49
223	18	17	27	12.05	8.46	-1.88	12.85	7.66	-23.14	0.00105119	-0.00045638	-23.14
224	17	29	27	19.24	17.18	-2.19	20.63	15.79	-32.36	0.00122922	-0.00017309	-32.36
225	27	28	40	12.26	11.47	-1.74	13.65	10.08	-38.56	0.00086228	-0.00017403	-38.56
226	28	39	40	18.55	19.18	-2.08	20.97	16.76	-49.28	0.00115785	-0.00006370	-49.28
227	40	39	49	14.30	15.70	-1.59	16.73	13.26	-56.91	0.00093804	-0.00006821	-56.90
228	39	50	49	18.34	20.71	-1.88	21.74	17.30	-61.14	0.00120955	-0.00007723	-61.14
229	49	50	62	15.92	18.73	-1.41	19.32	15.34	-67.39	0.00108066	-0.00007558	-67.39
230	50	61	62	18.61	22.17	-1.59	22.78	18.01	-69.08	0.00128313	-0.00010044	-69.08
231	62	61	71	17.15	20.97	-1.07	21.25	16.87	-75.35	0.00118600	-0.00008256	-75.35
232	61	72	71	19.35	23.83	-1.21	24.14	19.05	-75.83	0.00136456	-0.00011224	-75.83
233	71	72	84	18.30	22.97	-0.65	23.06	18.21	-82.24	0.00130172	-0.00010488	-82.24
234	72	83	84	21.11	26.49	-0.97	26.66	20.95	-80.12	0.00151902	-0.00013841	-80.12
235	84	83	93	18.91	24.69	0.09	24.69	18.91	89.09	0.00147064	-0.00002629	89.09
236	83	94	93	26.62	36.09	-0.86	36.16	26.54	-84.83	0.00230451	-0.00048609	-84.83
237	93	94	106	24.26	34.16	3.77	35.43	22.99	71.35	0.00265665	-0.00095653	71.35
238	94	105	106	36.98	59.91	-3.52	60.44	36.46	-81.46	0.00488333	-0.00207328	-81.46
239	115	116	123	9.89	16.11	0.89	16.23	9.76	82.03	0.01021076	-0.00111225	82.03
240	116	122	123	10.12	16.49	0.23	16.49	10.12	87.92	0.01023708	-0.00052429	87.92
241	125	126	129	10.77	17.58	0.07	17.69	10.66	82.86	0.01111512	-0.00119050	82.84
242	126	128	129	10.40	17.55	0.26	17.56	10.39	87.91	0.01115705	-0.00137451	87.90
243	136	135	142	11.35	18.65	1.28	18.87	11.13	80.37	0.01202469	-0.00152488	80.34
244	135	141	142	10.48	18.26	0.73	18.33	10.41	84.68	0.01156107	-0.00190235	84.65
245	144	145	148	12.93	20.79	-0.45	20.82	12.91	-86.75	0.01282277	-0.00101823	-86.74
246	145	147	148	12.85	20.48	0.32	20.49	12.84	87.58	0.01253007	-0.00086625	87.57
247	153	154	161	12.29	19.54	-0.32	19.56	12.27	-87.50	0.01194249	-0.00080415	-87.50
248	154	160	161	12.52	19.64	-0.15	19.64	12.51	-88.83	0.01186243	-0.00060541	-88.83
249	163	164	167	12.35	19.58	-0.29	19.60	12.34	-87.74	0.01193666	-0.00075881	-87.73
250	164	166	167	12.87	19.98	-0.44	20.01	12.85	-86.48	0.01201490	-0.00051562	-86.47
251	174	173	179	12.92	20.53	-0.28	20.54	12.91	-87.90	0.01253013	-0.00082152	-87.90
252	173	180	179	13.71	21.22	-0.78	21.30	13.63	-84.16	0.01282274	-0.00055735	-84.15
253	183	182	185	14.12	22.59	-0.26	22.60	14.12	-88.22	0.01385171	-0.00100027	-88.21
254	182	186	185	15.08	23.58	-1.32	23.78	14.88	-81.39	0.01455459	-0.00102601	-81.37
255	191	192	204	0.16	0.25	-0.00	0.25	0.16	-87.78	0.01633540	0.00003292	-87.78
256	192	203	204	0.19	0.29	-0.01	0.29	0.19	-84.18	0.01952580	-0.00040018	-84.18
257	204	203	213	0.19	0.29	-0.00	0.29	0.19	-88.41	0.01933568	0.00001680	-88.41
258	203	214	213	0.20	0.31	-0.01	0.31	0.20	-86.95	0.02103058	-0.00046273	-86.95
259	213	214	226	0.21	0.31	-0.00	0.31	0.21	-89.11	0.02097480	0.00001957	-89.11
260	214	225	226	0.21	0.32	-0.00	0.32	0.21	-88.50	0.02193633	-0.00042487	-88.50
261	226	225	235	0.22	0.33	-0.00	0.33	0.22	-89.71	0.02192161	0.00001703	-89.71
262	225	236	235	0.22	0.33	-0.00	0.33	0.22	-89.90	0.02245232	-0.00021612	-89.90
263	235	236	245	0.23	0.34	0.04	0.35	0.21	72.99	0.02476608	-0.00225697	72.99

266	247	258	257	0.21	0.31	0.00	0.31	0.21	88.15	0.00255571	-0.00002085	88.15
267	257	258	270	0.36	0.89	0.01	0.89	0.36	88.88	0.00298181	0.00002534	88.87
268	258	269	270	0.32	0.73	0.00	0.73	0.32	89.50	0.01794013	0.00035147	89.50
269	270	269	279	0.31	0.73	-0.01	0.73	0.31	-89.25	0.01794153	0.00007400	-89.25
270	269	280	279	0.29	0.63	-0.02	0.63	0.29	-86.49	0.01531375	0.00053087	-86.48
271	279	280	292	0.27	0.62	-0.03	0.62	0.27	-85.32	0.01536005	0.00005375	-85.31
272	280	291	292	0.24	0.51	-0.04	0.51	0.23	-80.97	0.01254254	0.00033308	-80.95
273	292	291	301	0.23	0.50	-0.05	0.51	0.23	-79.62	0.01264819	0.00016082	-79.59
274	291	302	301	0.12	0.21	-0.05	0.24	0.10	-65.03	0.00591030	-0.00010334	-64.98
275	301	302	314	0.14	0.22	-0.07	0.26	0.10	-59.28	0.00669128	-0.00040009	-59.24
276	302	313	314	0.06	0.03	-0.06	0.11	-0.02	-37.22	0.00358910	-0.00203180	-37.24
277	6	7	17	18.25	19.05	-4.44	23.11	14.19	-47.59	0.00170755	-0.00073350	-47.59
278	7	16	17	16.55	12.58	-3.55	18.63	10.50	-30.36	0.00139663	0.00050581	-30.36
279	17	16	28	12.36	11.53	-3.16	15.14	8.76	-41.24	0.00112984	0.00043404	-41.24
280	16	29	28	13.27	16.46	-3.39	18.61	11.11	-57.58	0.00138179	0.00056308	-57.58
281	28	29	39	9.08	15.41	-2.52	16.29	8.20	-70.72	0.00124300	0.00035979	-70.71
282	29	38	39	10.16	19.59	-3.34	20.66	9.10	-72.35	0.00160403	0.00034373	-72.35
283	39	38	50	7.27	18.87	-2.07	19.23	6.91	-80.18	0.00152719	0.00018348	-80.18
284	38	51	50	8.31	21.95	-2.98	22.57	7.68	-78.19	0.00180231	0.00017759	-78.19
285	50	51	61	6.23	21.43	-1.61	21.60	6.06	-84.03	0.00175261	0.00005764	-84.03
286	51	60	61	7.13	24.17	-2.41	24.51	6.80	-82.10	0.00195064	0.00005859	-82.10
287	61	60	72	5.68	23.81	-0.88	23.85	5.64	-87.24	0.00195875	-0.00002834	-87.24
288	60	73	72	5.89	26.43	-1.29	26.51	5.81	-86.41	0.00218106	-0.00007166	-86.41
289	72	73	83	5.56	26.35	-0.01	26.35	5.56	-89.97	0.00217822	-0.00000961	-89.97
290	73	82	83	4.07	28.79	-0.30	28.79	4.07	-89.31	0.00242415	-0.00027254	-89.31
291	83	82	94	1.74	28.21	-0.00	28.21	1.74	-89.82	0.00242378	-0.00046345	-89.82
292	82	95	94	2.25	32.33	-1.47	32.40	2.18	-87.21	0.00277990	-0.00051659	-87.21
293	94	95	105	-14.99	28.02	-10.00	30.23	-17.20	-77.53	0.00301324	-0.00216088	-77.53
294	95	104	105	2.42	23.98	-6.97	26.03	0.36	-73.56	0.00226423	-0.00053647	-73.56
295	105	104	116	10.32	25.95	-10.02	30.85	5.43	-63.98	0.00257357	-0.00015927	-63.98
296	104	117	116	5.86	18.85	-6.55	21.58	3.13	-67.38	0.00181534	-0.00019806	-67.38
297	116	117	122	-6.48	15.77	-1.18	15.83	-6.54	-86.97	0.00152438	-0.00051640	-86.97
298	117	127	122	8.24	20.01	-3.99	21.24	7.02	-72.94	0.00170039	-0.00014913	-72.94
299	122	127	126	1.44	21.77	-1.69	21.91	1.30	-85.27	0.00188347	-0.00036467	-85.27
300	126	127	128	-10.89	18.68	-3.16	19.02	-11.22	-83.97	0.00190453	-0.00135412	-83.97
301	127	134	128	9.14	24.36	-6.60	26.82	6.68	-69.55	0.00219527	-0.00000262	-69.55
302	128	134	135	-4.91	27.98	-1.86	28.09	-5.01	-86.78	0.00256059	-0.00105019	-86.78
303	135	134	141	-13.99	25.71	-0.93	25.73	-14.01	-88.65	0.00255158	-0.00178416	-88.65
304	134	146	141	2.20	9.46	4.60	11.69	-0.04	64.14	0.00102130	-0.00025831	64.14
305	141	146	145	-1.21	12.13	2.25	12.50	-1.58	80.68	0.00112506	-0.00041056	80.68
306	145	146	147	-6.98	10.69	10.25	15.38	-11.68	65.37	0.00159750	-0.00135456	65.37
307	146	155	147	2.47	15.82	-1.15	15.91	2.37	-85.12	0.00133708	-0.00014021	-85.12
308	147	155	154	6.76	22.97	5.34	24.57	5.16	73.32	0.00203202	-0.00008577	73.32
309	154	155	160	-1.71	20.86	2.85	21.21	-2.06	82.92	0.00185605	-0.00064272	82.92
310	155	165	160	1.49	22.71	-1.49	22.82	1.39	-86.00	0.00196118	-0.00037653	-86.00
311	160	165	164	11.36	26.11	0.88	26.16	11.30	86.60	0.00203685	0.00041556	86.60
312	164	165	166	0.48	23.39	-0.05	23.39	0.48	-89.86	0.00203115	-0.00046821	-89.86
313	165	172	166	1.11	24.20	-2.67	24.51	0.81	-83.49	0.00212111	-0.00046422	-83.49
314	166	172	173	13.41	26.21	-1.85	26.47	13.15	-81.95	0.00202352	0.00056986	-81.95
315	173	172	180	0.50	22.98	-2.81	23.33	0.16	-82.99	0.00203267	-0.00045548	-82.99
316	172	181	180	0.29	23.42	-4.73	24.35	-0.64	-78.87	0.00213899	-0.00058730	-78.87
317	180	181	182	13.41	23.50	-5.84	26.17	10.74	-65.41	0.00204955	0.00036627	-65.40
318	182	181	186	-2.88	19.42	-8.43	22.25	-5.71	-71.46	0.00206623	-0.00058350	-71.46
319	181	193	186	3.63	20.57	-6.76	22.94	1.26	-70.69	0.00197482	-0.00035038	-70.69
320	186	193	192	10.54	13.50	-14.18	26.27	-2.24	-47.98	0.00224165	-0.00076841	-47.98
321	192	193	203	0.51	10.99	-4.77	12.84	-1.34	-68.84	0.00114996	-0.00035652	-68.83
322	193	202	203	2.36	6.86	-4.09	9.27	-0.06	-59.42	0.00081063	-0.00020749	-59.42
323	203	202	214	-3.24	5.46	0.05	5.46	-3.24	89.70	0.00054719	-0.00040191	89.70
324	202	215	214	2.70	5.38	-1.71	6.22	1.87	-64.03	0.00050194	0.00002721	-64.03
325	214	215	225	-3.75	3.77	0.78	3.85	-3.83	84.13	0.00041568	-0.00041835	84.13
326	215	224	225	1.87	4.58	-1.15	5.00	1.45	-65.86	0.00040446	0.00001754	-65.86
327	225	224	236	-2.77	3.42	1.32	3.69	-3.04	78.47	0.00038789	-0.00034534	78.47
328	224	237	236	0.80	4.16	-0.67	4.29	0.67	-79.04	0.00035551	-0.00003477	-79.04
329	236	237	247	-2.24	3.40	1.19	3.64	-2.48	78.52	0.00037171	-0.00025974	78.51

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332	246	259	258	2.19	3.06	0.09	3.07	2.18	83.91	0.00022038	0.00012302	83.91
333	258	259	269	4.98	3.76	1.02	5.56	3.18	29.47	0.00041542	0.00015003	29.47
334	259	268	269	5.04	2.56	0.56	5.16	2.44	12.18	0.00039741	0.00010034	12.18
335	269	269	280	7.52	3.18	0.09	7.52	3.18	1.14	0.00058071	0.00011337	1.14
336	268	281	280	7.41	2.54	0.06	7.41	2.54	0.70	0.00055145	0.00005910	0.70
337	280	281	291	7.95	2.67	-0.03	7.95	2.67	-0.30	0.00063540	0.00005917	-0.30
338	281	290	291	8.75	1.53	-1.87	9.20	1.07	-13.67	0.00077591	-0.00010722	-13.67
339	291	290	302	11.70	2.27	2.60	12.37	1.60	14.42	0.00104495	-0.00013055	14.42
340	290	303	302	14.23	12.25	1.71	15.22	11.28	29.97	0.00108247	0.00085044	29.97
341	302	303	313	20.84	13.90	0.00	20.84	13.90	0.01	0.00151530	0.00075823	0.01
342	303	312	313	20.15	23.19	4.58	26.50	16.84	54.18	0.00194500	0.00085160	54.18
343	7	8	16	12.28	14.39	-7.04	20.45	6.21	-49.24	0.00287234	-0.00005438	-49.24
344	8	15	16	8.69	12.83	-4.67	15.86	5.65	-56.97	0.00218411	0.00005656	-56.97
345	16	15	29	9.48	13.09	-4.86	16.47	6.10	-55.20	0.00225578	0.00005510	-55.20
346	15	30	29	9.23	17.14	-4.44	19.13	7.24	-65.86	0.00261154	0.00012500	-65.86
347	29	30	38	8.58	16.92	-3.62	18.27	7.23	-69.53	0.00247647	0.00017034	-69.53
348	30	37	38	8.94	20.72	-4.20	22.07	7.60	-72.26	0.00305197	0.00003800	-72.26
349	38	37	51	8.42	20.55	-2.89	21.20	7.77	-77.25	0.00290057	0.00010565	-77.25
350	37	52	51	8.69	23.43	-3.68	24.29	7.83	-76.73	0.00338647	-0.00004255	-76.73
351	51	52	60	8.38	23.32	-2.27	23.66	8.05	-81.56	0.00327772	0.00002510	-81.56
352	52	59	60	8.81	26.22	-3.10	26.76	8.27	-80.21	0.00374968	-0.00010098	-80.21
353	60	59	73	8.28	26.05	-1.62	26.19	8.13	-84.84	0.00366886	-0.00005323	-84.84
354	59	74	73	8.96	28.08	-2.50	29.18	8.66	-82.96	0.00410520	-0.00016739	-82.96
355	73	74	82	7.75	28.47	-1.44	28.57	7.65	-86.05	0.00406571	-0.00025324	-86.05
356	74	81	82	8.82	29.98	-2.23	30.21	8.59	-84.05	0.00427295	-0.00023155	-84.05
357	82	81	95	6.48	29.20	-2.30	29.43	6.24	-84.27	0.00427278	-0.00055653	-84.27
358	81	96	95	8.65	29.42	-2.55	29.73	8.34	-83.11	0.00421123	-0.00024572	-83.11
359	95	96	104	7.71	29.11	-3.78	29.76	7.06	-80.28	0.00428194	-0.00044650	-80.28
360	96	103	104	8.55	28.62	-3.03	29.07	8.10	-81.59	0.00411529	-0.00024741	-81.59
361	104	103	117	10.38	29.23	-4.25	30.14	9.47	-77.86	0.00421625	-0.00005055	-77.86
362	103	118	117	8.15	27.12	-3.10	27.62	7.66	-80.95	0.00391614	-0.00024172	-80.95
363	117	118	127	11.19	28.13	-2.24	28.42	10.90	-82.60	0.00387375	0.00022207	-82.60
364	118	133	127	8.14	27.71	-2.54	28.03	7.81	-82.72	0.00397358	-0.00023567	-82.72
365	127	133	134	11.39	29.06	-1.89	29.26	11.15	-83.95	0.00398515	0.00022350	-83.95
366	134	133	146	9.37	28.39	-0.71	28.41	9.34	-87.85	0.00355292	-0.00002038	-87.85
367	133	156	146	8.34	29.40	-2.07	29.61	8.14	-84.43	0.00420187	-0.00027006	-84.43
368	146	156	155	9.15	29.95	-1.68	30.08	9.02	-85.40	0.00423104	-0.00015775	-85.40
369	155	156	165	7.46	29.38	-2.02	29.57	7.27	-84.79	0.00424114	-0.00040347	-84.79
370	156	171	165	8.23	29.91	-2.39	30.17	7.97	-83.77	0.00425936	-0.00032688	-83.77
371	165	171	172	6.73	28.47	-3.58	29.04	6.16	-80.88	0.00421749	-0.00055061	-80.88
372	172	171	181	6.34	28.34	-5.66	29.71	4.97	-76.39	0.00438257	-0.00077087	-76.39
373	171	194	181	7.07	26.08	-3.03	26.55	6.60	-81.16	0.00380531	-0.00035144	-81.16
374	181	194	193	6.33	21.53	-7.78	24.81	3.06	-67.17	0.00371641	-0.00081376	-67.17
375	193	194	202	7.69	21.98	-6.50	24.49	5.17	-68.87	0.00355769	-0.00046724	-68.87
376	194	201	202	4.24	14.62	-2.76	15.31	3.56	-76.02	0.00220673	-0.00024177	-76.02
377	202	201	215	5.80	15.14	-3.76	16.47	4.48	-70.59	0.00233574	-0.00015765	-70.59
378	201	216	215	3.41	11.53	-1.88	11.95	3.00	-77.58	0.00171077	-0.00015365	-77.58
379	215	216	224	4.36	11.85	-2.03	12.36	3.84	-75.78	0.00173105	-0.00004368	-75.78
380	216	223	224	3.04	10.14	-1.13	10.31	2.87	-81.20	0.00146158	-0.00008501	-81.20
381	224	223	237	3.27	10.21	-0.53	10.25	3.23	-85.64	0.00143372	-0.00002897	-85.64
382	223	238	237	2.91	9.05	-0.15	9.06	2.91	-88.58	0.00126362	-0.00001697	-88.58
383	237	238	246	3.07	9.11	0.55	9.16	3.02	84.85	0.00127314	-0.00000482	84.85
384	238	245	246	3.20	8.25	0.73	8.36	3.10	81.96	0.00114424	0.00004934	81.96
385	246	245	259	3.59	8.39	1.48	8.80	3.17	74.17	0.00121014	-0.00003678	74.17
386	245	260	259	4.03	7.20	1.26	7.63	3.59	70.79	0.00100582	0.00010336	70.79
387	259	260	268	4.96	7.51	1.50	8.20	4.26	65.14	0.00105572	0.00023911	65.14
388	260	267	268	5.20	5.93	0.97	6.60	4.52	55.32	0.00079582	0.00030404	55.32
389	268	267	281	5.83	6.14	0.52	6.53	5.44	53.30	0.00073087	0.00051053	53.30
390	267	282	281	5.81	4.82	0.29	5.89	4.74	15.17	0.00067276	0.00042435	15.17
391	281	282	290	6.34	5.00	0.12	6.35	4.99	5.12	0.00073263	0.00044842	5.12
392	282	289	290	6.02	3.96	0.21	6.04	3.94	5.84	0.00073834	0.00030140	5.84
393	290	289	303	7.75	4.54	2.00	8.71	3.56	25.62	0.00117449	0.00010611	25.62
394	289	304	303	9.38	12.95	2.34	14.11	8.22	63.67	0.00177608	0.00054936	63.67
395	303	304	312	12.70	14.06	1.99	15.48	11.28	54.42	0.00183082	0.00095625	54.42

398	9	14	15	15.11	12.80	-4.28	18.32	9.52	-31.47	0.00071021	0.00020072	-37.47
399	15	14	30	15.19	12.82	-7.03	21.13	6.87	-46.22	0.00084062	0.00013300	-40.22
400	14	31	30	12.69	18.71	-6.57	22.93	8.47	-57.30	0.00091111	0.00018018	-57.30
401	30	31	37	10.72	18.36	-5.67	21.38	7.70	-61.98	0.00085107	0.00016089	-61.98
402	31	36	37	10.77	23.41	-7.46	26.86	7.31	-65.14	0.00108673	0.00010935	-65.14
403	37	36	52	7.27	22.79	-4.23	23.87	6.19	-75.69	0.00056796	0.00008423	-75.69
404	36	53	52	9.70	26.84	-6.83	29.22	7.31	-70.73	0.00118719	0.00005142	-70.73
405	52	53	59	4.83	25.98	-3.19	26.45	4.35	-81.60	0.00109142	-0.00001332	-81.60
406	53	58	59	8.62	30.11	-6.13	31.73	6.95	-75.14	0.00129624	0.00005920	-75.14
407	59	58	74	2.70	29.06	-2.08	29.22	2.54	-85.52	0.00122301	-0.00011133	-85.52
408	58	75	74	7.29	33.25	-5.22	34.26	6.28	-79.05	0.00140508	0.00005550	-79.05
409	74	75	81	1.37	32.21	-1.59	32.29	1.25	-87.00	0.00130267	-0.00018731	-87.06
410	75	80	81	5.10	34.65	-3.80	35.13	4.62	-82.78	0.00145826	-0.00006729	-82.78
411	81	80	96	1.74	34.05	-1.44	34.12	1.67	-87.45	0.00143741	-0.00016480	-87.45
412	80	97	96	2.92	35.50	-2.69	35.72	2.70	-85.31	0.00149776	-0.00015329	-85.31
413	96	97	103	2.63	35.45	-3.13	35.74	2.33	-84.60	0.00150152	-0.00018884	-84.60
414	97	102	103	0.74	35.47	-3.53	35.83	0.35	-84.25	0.00151566	-0.00025223	-84.25
415	103	102	110	3.07	35.88	-4.81	36.57	2.38	-81.83	0.00153636	-0.00017328	-81.83
416	102	115	110	0.18	35.59	-4.40	36.13	-0.25	-83.03	0.00153630	-0.00026608	-83.03
417	110	119	133	2.30	35.97	-3.39	36.31	1.96	-84.30	0.00152833	-0.00018893	-84.30
418	119	132	133	0.24	35.88	-3.19	36.17	-0.05	-84.92	0.00153737	-0.00027326	-84.92
419	133	132	156	0.99	36.01	-3.17	36.30	0.71	-84.87	0.00153742	-0.00024220	-84.87
420	132	157	156	0.45	35.60	-2.80	35.82	0.23	-85.47	0.00152082	-0.00025851	-85.47
421	156	157	171	-0.15	35.50	-4.43	36.04	-0.69	-83.02	0.00153686	-0.00029956	-83.02
422	157	170	171	0.91	33.80	-3.12	34.10	0.62	-84.63	0.00144439	-0.00022933	-84.63
423	171	170	194	-0.02	33.64	-6.06	34.70	-1.08	-80.09	0.00148267	-0.00030623	-80.09
424	170	195	194	2.02	30.50	-3.65	30.96	1.56	-82.82	0.00130416	-0.00016581	-82.82
425	194	195	201	3.09	30.69	-6.91	32.32	1.46	-76.70	0.00136284	-0.00018051	-76.70
426	195	200	201	3.73	26.38	-3.45	26.90	3.22	-81.53	0.00111899	-0.00006497	-81.53
427	201	200	216	3.05	26.26	-4.80	27.21	2.10	-78.78	0.00114090	-0.00011502	-78.78
428	200	217	216	5.50	23.36	-2.59	23.73	5.13	-81.91	0.00096985	0.00004026	-81.91
429	216	217	223	2.80	22.88	-3.06	23.34	2.34	-81.53	0.00097424	-0.00007548	-81.53
430	217	222	223	7.32	20.97	-1.79	21.20	7.09	-82.66	0.00084777	0.00014241	-82.66
431	223	222	238	3.19	20.24	0.00	20.24	3.19	89.99	0.00083625	-0.00001618	89.99
432	222	239	238	9.22	17.85	-0.09	17.85	9.22	-85.37	0.00068544	0.00025008	-89.37
433	238	239	245	4.67	17.05	2.27	17.45	4.27	79.93	0.00070556	0.00005061	79.93
434	239	244	245	11.78	15.10	1.71	15.82	11.06	67.11	0.00058554	0.00035139	67.11
435	245	244	260	8.55	14.53	4.27	16.76	6.33	62.50	0.00066463	0.00014340	62.50
436	244	261	260	13.39	11.31	2.78	15.32	9.38	34.72	0.00058089	0.00028366	34.72
437	260	261	267	13.86	11.39	3.39	16.24	9.02	34.98	0.00062250	0.00026143	34.98
438	261	266	267	15.35	8.50	2.37	16.09	7.76	17.35	0.00062545	0.00020521	17.35
439	267	266	282	17.00	8.79	0.60	17.04	8.75	4.15	0.00065860	0.00024405	4.15
440	266	283	282	17.05	7.47	0.64	17.09	7.43	3.79	0.00067076	0.00018745	3.79
441	282	283	289	18.63	7.75	0.14	18.64	7.75	0.72	0.00073390	0.00010547	0.72
442	283	288	289	18.72	6.83	0.08	18.72	6.82	0.38	0.00074432	0.00014967	0.38
443	289	288	304	19.85	7.02	3.25	20.62	6.25	13.46	0.00082567	0.00011078	13.46
444	288	305	304	18.88	13.59	4.01	21.04	11.43	28.29	0.00080850	0.00032759	28.29
445	304	305	311	18.56	13.53	-0.25	18.57	13.52	-2.84	0.00068777	-0.00043532	-2.84
446	305	310	311	15.96	19.70	2.02	20.58	15.08	66.39	0.00076164	0.00048663	66.39
447	9	10	14	7.07	3.24	-3.29	8.96	1.35	-29.92	0.00075282	-0.00007788	-29.93
448	10	13	14	10.93	11.77	-6.60	17.92	4.68	-47.03	0.00146221	0.00001741	-47.03
449	14	13	31	7.30	10.89	-6.16	15.51	2.68	-53.13	0.00129492	-0.00010479	-53.13
450	13	32	31	5.87	19.53	-7.44	22.80	2.00	-66.28	0.00193270	-0.00027028	-66.28
451	31	32	36	8.20	20.13	-5.01	21.96	6.43	-69.92	0.00177508	0.00008249	-69.92
452	32	35	36	9.23	25.77	-7.57	28.71	4.29	-68.70	0.00236857	-0.00007735	-68.70
453	36	35	53	8.83	25.68	-4.33	26.72	7.79	-76.41	0.00216215	0.00005667	-76.41
454	35	54	53	10.19	29.97	-7.03	32.22	7.94	-72.30	0.00263850	-0.00009988	-72.30
455	53	54	58	9.03	29.69	-3.63	30.30	8.41	-80.33	0.00246105	0.00007321	-80.33
456	54	57	58	11.25	34.03	-6.42	35.72	9.56	-75.29	0.00290874	0.00005518	-75.29
457	59	57	75	9.06	33.49	-2.72	33.83	8.72	-83.29	0.00276213	0.00002295	-83.29
458	57	76	75	12.45	39.12	-6.58	40.66	10.91	-76.87	0.00331003	0.00006536	-76.87
459	75	76	80	9.07	38.28	-2.42	38.48	8.87	-85.30	0.00316422	-0.00006494	-85.30
460	76	79	80	11.41	42.55	-6.31	43.78	10.18	-78.97	0.00359860	-0.00006653	-78.97
461	80	79	97	8.85	41.91	-2.02	42.03	8.72	-86.51	0.00347782	-0.00015571	-86.51

463	97	99	102	8.55	44.93	-2.49	45.10	8.38	-86.11	0.00375308	-0.00025251	-86.10
464	98	101	102	6.96	45.32	-3.94	45.72	6.56	-84.20	0.00304744	-0.00042544	-84.20
465	102	101	119	8.45	45.70	-3.02	45.94	8.21	-85.39	0.00383040	-0.00028582	-85.39
466	101	120	119	6.70	45.36	-2.88	45.60	6.48	-85.76	0.00303794	-0.00042507	-85.76
467	119	120	132	8.49	45.83	-2.40	45.99	8.34	-86.33	0.00383148	-0.00027558	-86.33
468	120	131	132	8.63	45.07	-1.66	45.14	8.55	-87.40	0.00375219	-0.00023668	-87.40
469	132	131	157	8.41	45.01	-2.32	45.16	8.27	-86.38	0.00376059	-0.00026302	-86.38
470	131	158	157	9.26	44.12	-1.38	44.17	9.21	-87.73	0.00365422	-0.00016036	-87.73
471	157	158	170	8.52	43.93	-2.51	44.11	8.35	-85.97	0.00366750	-0.00023353	-85.97
472	158	169	170	9.45	42.71	-1.25	42.76	9.40	-87.85	0.00352681	-0.00011258	-87.85
473	170	169	195	9.01	42.61	-2.69	42.82	8.80	-85.45	0.00354504	-0.00016622	-85.45
474	169	196	195	9.55	40.85	-0.96	40.88	9.52	-88.25	0.00336611	-0.00006116	-88.25
475	195	196	200	9.78	40.91	-2.62	41.13	9.56	-85.22	0.00336080	-0.00006315	-85.22
476	196	199	200	9.65	38.42	-0.24	38.42	9.65	-89.51	0.00314291	0.00000355	-89.51
477	200	199	217	10.32	38.59	-2.02	38.73	10.18	-85.94	0.00315829	0.00004304	-85.94
478	199	218	217	9.83	35.51	0.90	35.54	9.80	88.01	0.00288601	0.00000000	88.01
479	217	218	222	10.70	35.73	-1.22	35.79	10.64	-87.21	0.00289110	0.00014745	-87.21
480	218	221	222	10.29	32.08	2.25	32.31	10.04	84.18	0.00259598	0.00017303	84.18
481	222	221	239	11.02	32.26	0.42	32.27	11.01	88.88	0.00251589	0.00002723	88.88
482	221	240	239	11.40	26.96	3.60	27.76	10.60	77.58	0.00219105	0.00031988	77.58
483	239	240	244	11.17	26.90	1.92	27.14	10.93	83.13	0.00212972	0.00013218	83.13
484	240	243	244	12.49	22.13	4.72	24.06	10.56	67.81	0.00186936	0.00035676	67.81
485	244	243	261	10.99	21.76	3.13	22.60	10.15	74.91	0.00175138	0.00035238	74.91
486	243	262	261	12.34	15.60	4.57	18.83	9.12	54.81	0.00144414	0.00038478	54.81
487	261	262	266	10.53	15.15	2.56	16.29	9.39	66.02	0.00121654	0.00046420	66.02
488	262	265	266	11.46	11.44	2.36	13.81	9.09	44.88	0.00100651	0.00049240	44.86
489	266	265	283	10.46	11.19	0.69	11.60	10.04	58.95	0.00079343	0.00062340	58.95
490	265	284	283	10.60	10.07	0.71	11.09	9.58	34.77	0.00075891	0.00059364	34.77
491	283	284	288	11.08	10.19	0.27	11.15	10.11	15.78	0.00075270	0.00063511	15.79
492	284	287	288	10.68	9.86	0.55	10.95	9.58	26.62	0.00074698	0.00059736	26.62
493	288	287	305	10.48	9.81	1.37	11.55	8.73	38.12	0.00061787	0.00051009	38.13
494	287	306	305	10.54	13.16	1.19	13.61	10.08	68.88	0.00096815	0.00058303	68.87
495	305	306	310	9.29	12.84	-0.60	12.94	9.19	-80.68	0.00092686	0.00052000	-80.68
496	306	309	310	10.19	18.93	-1.45	19.16	9.95	-80.82	0.00145539	0.00045045	-80.82
497	10	11	13	1.38	-9.09	-6.89	4.80	-12.50	-26.39	0.00140037	-0.00220316	-26.39
498	11	12	13	-7.12	11.25	-9.85	15.53	-11.40	-66.51	0.00302640	-0.00255013	-66.51
499	13	12	32	5.73	15.53	-2.49	16.13	5.13	-76.52	0.00225338	-0.00002836	-76.52
500	12	33	32	5.06	20.11	-3.47	20.87	4.30	-77.63	0.00303707	-0.00041585	-77.63
501	32	33	35	8.66	21.31	-1.81	21.57	8.41	-82.01	0.00293222	0.00015021	-82.01
502	33	34	35	9.44	27.37	-4.76	28.55	8.25	-76.02	0.00403177	-0.00015198	-76.02
503	35	34	54	10.78	27.81	-1.19	27.90	10.65	-86.04	0.00380150	0.00021785	-86.04
504	34	55	54	12.76	32.07	-3.99	32.86	11.97	-78.78	0.00451091	0.00015925	-78.78
505	54	55	57	12.15	31.87	-0.83	31.90	12.12	-87.58	0.00435335	0.00023150	-87.58
506	55	56	57	14.64	35.39	-3.10	35.85	14.18	-81.67	0.00486253	0.00034505	-81.67
507	57	56	76	13.12	34.89	-0.91	34.93	13.08	-87.60	0.00477585	0.00022494	-87.60
508	56	77	76	16.10	41.85	-5.51	42.98	14.97	-78.41	0.00553619	0.00005993	-78.41
509	76	77	79	14.17	41.21	-0.79	41.23	14.15	-88.33	0.00570543	0.00006294	-88.33
510	77	78	79	18.42	48.46	-7.59	50.27	16.62	-76.60	0.00698926	-0.00002186	-76.60
511	79	78	98	14.79	47.25	-0.39	47.26	14.79	-89.31	0.00661385	0.00015072	-89.31
512	78	99	98	20.32	54.68	-7.05	56.07	18.53	-78.84	0.00777417	0.00003655	-78.84
513	98	99	101	15.21	52.97	-0.23	52.98	15.21	-89.64	0.00748520	-0.00032028	-89.64
514	99	100	101	21.60	55.76	-2.06	55.89	21.47	-86.56	0.00761387	0.00044420	-86.56
515	101	100	120	15.29	53.66	-0.16	53.66	15.29	-89.76	0.00758821	-0.00040594	-89.76
516	100	121	120	20.97	52.26	2.78	52.50	20.73	84.96	0.00712393	0.00050422	84.96
517	120	121	131	15.32	50.37	-0.26	50.37	15.31	-89.57	0.00707331	-0.00023088	-89.57
518	121	130	131	19.45	50.31	0.84	50.33	19.43	88.45	0.00685296	0.00041374	88.45
519	131	130	158	15.32	48.94	-0.55	48.95	15.32	-89.06	0.00685011	-0.00015623	-89.06
520	130	159	158	18.76	49.29	-0.07	49.29	18.76	-89.87	0.00672417	0.00036363	-89.87
521	158	159	169	15.36	48.16	-0.79	48.18	15.35	-88.62	0.00672812	-0.00011142	-88.62
522	159	168	169	18.49	48.52	-0.91	48.53	18.48	-89.23	0.00661983	0.00030077	-89.23
523	169	168	196	15.47	47.51	-0.93	47.54	15.44	-88.34	0.00662412	-0.00006360	-88.34
524	196	168	197	18.50	47.68	-0.36	47.69	18.49	-89.30	0.00648199	0.00040596	-89.30
525	196	197	199	15.60	46.72	-0.89	46.74	15.57	-88.37	0.00645235	-0.00000150	-88.37
526	197	198	199	18.54	46.37	0.22	46.37	18.54	89.54	0.00628017	0.00049118	89.54
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-86.75

530	219	220	221	17.06	39.04	4.58	39.97	16.91	78.31	0.00536746	0.00055551	78.31
531	221	220	240	15.33	38.20	0.17	38.20	15.32	85.57	0.00517642	0.00046615	89.57
532	220	241	240	16.25	32.02	4.48	33.20	15.01	75.20	0.00440302	0.00062474	75.20
533	240	241	243	14.34	31.38	0.51	31.40	14.32	88.27	0.00415981	0.00000358	88.27
534	241	242	243	13.84	24.94	4.91	26.80	11.98	69.24	0.00356385	0.00047571	69.24
535	243	242	262	12.93	24.63	0.73	24.68	12.88	86.43	0.00318543	0.00007270	86.43
536	242	263	262	10.99	16.22	3.96	18.35	8.80	61.72	0.00246545	0.00042810	61.72
537	262	263	265	10.11	15.92	-0.07	15.93	10.11	-89.26	0.00196170	0.00015053	-89.26
538	263	264	265	8.03	12.19	1.20	12.52	7.71	75.04	0.00155412	0.00055243	75.04
539	265	264	284	8.65	12.40	-0.38	12.44	8.61	-84.33	0.00149511	0.00005745	-84.33
540	264	285	284	7.35	11.19	0.29	11.22	7.33	85.73	0.00137081	0.00056056	85.73
541	284	285	287	8.44	11.56	-0.13	11.56	8.44	-87.60	0.00130749	0.00031579	-87.60
542	285	286	287	7.67	10.88	0.28	10.91	7.65	85.04	0.00130582	0.00002666	85.04
543	287	286	306	7.68	10.88	0.22	10.90	7.66	86.12	0.00130381	0.00002598	86.12
544	286	307	306	7.56	12.14	0.20	12.14	7.55	87.55	0.00150409	0.00054777	87.55
545	306	307	309	7.03	11.96	-1.10	12.19	6.80	-77.98	0.00155107	0.00042736	-77.98
546	307	308	309	9.54	20.37	-2.83	21.06	8.85	-76.22	0.00283028	0.00028552	-76.22

2	30.000000	3.000000	42.280000	0.0	0.004312	0.000053	0.465458	-0.431413
3	30.000000	6.000000	42.280000	0.0	0.007779	-0.000015	0.378204	-0.297183
4	30.000000	8.000000	42.280000	0.0	0.012954	0.000183	0.486175	-0.145402
5	30.000000	10.000000	42.280000	0.0	0.014265	0.0	0.531625	-49.288833
6	30.000000	12.000000	42.280000	0.0	0.013434	0.0	0.653723	-11.480173
7	30.000000	14.000000	42.280000	0.0	0.013358	0.002529	0.490617	-0.103953
8	30.000000	17.000000	42.280000	0.0	0.006922	0.007353	0.546209	-0.312373
9	30.000000	21.000000	42.280000	0.0	0.001857	0.008305	0.063700	-0.336924
10	30.000000	26.000000	42.280000	0.0	0.008647	0.008949	-0.276255	-0.183071
11	30.000000	32.000000	42.280000	100.000000	0.0	0.0	-84.299971	-156.753744
12	24.000000	32.000000	0.0	100.000000	0.010151	0.030250	-0.482015	-0.517324
13	24.000000	26.000000	0.0	0.0	0.004515	0.017517	-0.631783	-1.282982
14	24.000000	21.000000	0.0	0.0	0.004580	0.013562	0.051441	-2.656255
15	24.000000	17.000000	0.0	0.0	0.002760	0.011839	1.047985	-2.542972
16	24.000000	14.000000	0.0	0.0	0.006378	0.007183	0.965056	-2.025366
17	24.000000	12.000000	0.0	0.0	0.006374	0.005710	1.233575	-3.188288
18	24.000000	10.000000	0.0	0.0	0.007471	0.006157	1.605865	-2.774708
19	24.000000	8.000000	0.0	0.0	0.006025	0.004848	0.902825	-1.372859
20	24.000000	6.000000	0.0	0.0	0.004032	0.002486	0.710151	-0.937647
21	24.000000	3.000000	0.0	0.0	0.002402	0.001354	0.684455	-0.742389
22	21.000000	0.0	0.0	-100.000000	0.0	0.0	-23.079323	25.859555
23	18.000000	0.0	0.0	-100.000000	0.0	0.0	0.453629	34.151410
24	18.000000	3.000000	0.0	0.0	0.001065	0.002245	0.601358	-1.115623
25	18.000000	6.000000	0.0	0.0	0.001797	0.003853	0.590427	-1.507868
26	18.000000	8.000000	0.0	0.0	0.002177	0.007428	0.805865	-2.347583
27	18.000000	10.000000	0.0	0.0	0.002561	0.009404	0.908255	-4.624399
28	18.000000	12.000000	0.0	0.0	0.001409	0.005861	1.210555	-4.975981
29	18.000000	14.000000	0.0	0.0	0.001585	0.012154	0.074530	-3.157015
30	18.000000	17.000000	0.0	0.0	-0.000508	0.018746	1.152643	-4.538339
31	18.000000	21.000000	0.0	0.0	0.002185	0.021546	-0.182721	-4.854522
32	18.000000	26.000000	0.0	0.0	0.003998	0.025428	-1.089258	-2.405027
33	18.000000	32.000000	0.0	100.000000	0.011735	0.046703	-0.858344	-0.904238
34	14.000000	32.000000	0.0	100.000000	0.011539	0.060314	-1.318064	-1.223516
35	14.000000	26.000000	0.0	0.0	0.003025	0.037405	-1.585313	-3.184978
36	14.000000	21.000000	0.0	0.0	0.001057	0.027365	-0.361602	-6.109755
37	14.000000	17.000000	0.0	0.0	-0.001779	0.023709	1.263370	-5.062169
38	14.000000	14.000000	0.0	0.0	-0.000254	0.015393	0.855426	-3.340327
39	14.000000	12.000000	0.0	0.0	-0.000416	0.012416	1.210557	-4.923430
40	14.000000	10.000000	0.0	0.0	0.000722	0.011140	0.810747	-4.297122
41	14.000000	8.000000	0.0	0.0	0.000722	0.008625	0.649052	-2.179767
42	14.000000	6.000000	0.0	0.0	0.000947	0.004365	0.455535	-1.530071
43	14.000000	3.000000	0.0	0.0	0.000621	0.002489	0.496376	-1.068647
44	14.000000	0.0	0.0	-100.000000	0.0	0.0	-4.327620	42.309843
45	11.000000	0.0	0.0	-100.000000	0.0	0.0	-3.254006	50.279338
46	11.000000	3.000000	0.0	0.0	0.000476	0.002573	0.451592	-1.268325
47	11.000000	6.000000	0.0	0.0	0.000595	0.004605	0.419455	-1.688182
48	11.000000	8.000000	0.0	0.0	0.000181	0.009305	0.622580	-2.456501
49	11.000000	10.000000	0.0	0.0	0.000027	0.012195	0.808383	-4.711139
50	11.000000	12.000000	0.0	0.0	-0.001083	0.014014	1.187736	-5.158502
51	11.000000	14.000000	0.0	0.0	-0.000552	0.017483	0.755062	-3.548700
52	11.000000	17.000000	0.0	0.0	-0.002194	0.027106	1.389755	-6.141833
53	11.000000	21.000000	0.0	0.0	0.000425	0.031377	-0.698232	-7.127644
54	11.000000	26.000000	0.0	0.0	0.002320	0.043345	-1.560665	-3.839339
55	11.000000	32.000000	0.0	100.000000	0.010567	0.065422	-1.613169	-1.445732
56	8.000000	32.000000	0.0	100.000000	0.009235	0.077118	-1.646889	-1.004702
57	8.000000	26.000000	0.0	0.0	0.001602	0.048511	-2.087417	-4.770822
58	8.000000	21.000000	0.0	0.0	0.000003	0.034888	-0.850486	-8.924367
59	8.000000	17.000000	0.0	0.0	-0.002225	0.030028	1.231797	-7.217300
60	8.000000	14.000000	0.0	0.0	-0.001277	0.019113	0.736713	-4.231259
61	8.000000	12.000000	0.0	0.0	-0.001311	0.015204	1.126534	-6.158455
62	8.000000	10.000000	0.0	0.0	-0.000259	0.012991	0.620527	-5.290774
63	8.000000	8.000000	0.0	0.0	0.000032	0.009787	0.477720	-2.655762
64	8.000000	6.000000	0.0	0.0	0.000431	0.004713	0.275182	-1.907319
65	8.000000	3.000000	0.0	0.0	0.000485	0.002572	0.268287	-1.331951

68	5.000000	3.000000	0.0	0.0	0.000647	0.002348	0.105212	-1.524040
69	5.000000	6.000000	0.0	0.0	0.000395	0.004453	0.108711	-2.644883
70	5.000000	8.000000	0.0	0.0	0.000266	0.005795	0.381399	-2.914598
71	5.000000	10.000000	0.0	0.0	-0.000255	0.013278	0.611479	-5.539259
72	5.000000	12.000000	0.0	0.0	-0.001240	0.015830	1.130872	-6.165522
73	5.000000	14.000000	0.0	0.0	-0.001005	0.020188	0.617349	-4.520151
74	5.000000	17.000000	0.0	0.0	-0.001915	0.032321	1.304543	-8.527883
75	5.000000	21.000000	0.0	0.0	-0.006178	0.037756	-1.486513	-10.791951
76	5.000000	26.000000	0.0	0.0	0.000904	0.052408	-2.674555	-5.513456
77	5.000000	32.000000	0.0	100.000000	0.008229	0.087872	-2.077840	-2.233916
78	3.000000	32.000000	0.0	100.000000	0.007520	0.096244	-2.297592	-2.686430
79	3.000000	26.000000	0.0	0.0	0.000768	0.056506	-3.003655	-7.065826
80	3.000000	21.000000	0.0	0.0	-0.000092	0.039245	-1.837947	-12.546332
81	3.000000	17.000000	0.0	0.0	-0.001549	0.033508	1.180020	-5.710676
82	3.000000	14.000000	0.0	0.0	-0.000544	0.020834	0.424910	-4.045067
83	3.000000	12.000000	0.0	0.0	-0.001061	0.015980	1.185762	-5.784206
84	3.000000	10.000000	0.0	0.0	-0.000057	0.013046	0.426101	-4.861318
85	3.000000	8.000000	0.0	0.0	0.000734	0.009284	0.142154	-2.551972
86	3.000000	6.000000	0.0	0.0	0.000414	0.003822	-0.074022	-1.526855
87	3.000000	3.000000	0.0	0.0	0.000837	0.001854	-0.145344	-1.413552
88	3.000000	0.0	0.0	-100.000000	0.0	0.0	-0.500153	77.009076
89	1.000000	0.0	0.0	-100.000000	0.0	0.0	-8.968483	91.495226
90	1.000000	3.000000	0.0	0.0	0.001015	0.001000	-0.550611	-2.108150
91	1.000000	6.000000	0.0	0.0	0.000466	0.002510	-0.307153	-2.009336
92	1.000000	8.000000	0.0	0.0	0.001526	0.007870	-0.148098	-2.492930
93	1.000000	10.000000	0.0	0.0	0.000315	0.011576	0.480850	-4.552740
94	1.000000	12.000000	0.0	0.0	-0.000134	0.016539	1.115305	-5.747417
95	1.000000	14.000000	0.0	0.0	0.000474	0.022083	-0.019102	-5.356252
96	1.000000	17.000000	0.0	0.0	-0.001185	0.034525	1.467556	-13.341582
97	1.000000	21.000000	0.0	0.0	0.000153	0.040472	-3.004914	-17.283418
98	1.000000	26.000000	0.0	0.0	0.001068	0.055145	-4.476294	-10.116243
99	1.000000	32.000000	0.0	100.000000	0.006866	0.104054	-3.334613	-3.859627
100	0.0	32.000000	0.0	100.000000	0.006356	0.105737	-3.055425	-3.940432
101	0.0	26.000000	0.0	0.0	0.001450	0.060208	-4.228856	-10.317717
102	0.0	21.000000	0.0	0.0	0.000427	0.041150	-2.930494	-17.812439
103	0.0	17.000000	0.0	0.0	-0.001031	0.025182	1.080635	-13.538110
104	0.0	14.000000	0.0	0.0	0.000786	0.023104	-0.291111	-5.880550
105	0.0	12.000000	0.0	0.0	0.001766	0.019025	0.072355	-4.483908
106	0.0	10.000000	0.0	0.0	0.000902	0.005865	0.137033	-2.569544
107	0.0	8.000000	0.0	0.0	0.002052	0.006245	-0.417711	-2.028908
108	0.0	6.000000	0.0	0.0	0.000680	0.001572	-0.375156	-1.762810
109	0.0	3.000000	0.0	0.0	0.000856	-0.000324	-0.857713	-2.276302
110	0.0	0.0	0.0	-100.000000	0.0	0.0	-1.676745	56.028023
111	-2.000000	0.0	0.0	-100.000000	-0.000065	-0.005218	-0.164941	-0.499061
112	-2.000000	3.000000	0.0	0.0	0.001118	-0.001638	-0.609672	-1.370786
113	-2.000000	6.000000	0.0	0.0	0.001182	-0.000107	-0.310915	-1.069450
114	-2.000000	8.000000	0.0	0.0	0.002155	0.001970	-0.538903	-1.109456
115	-2.000000	10.000000	0.0	0.0	-0.000465	0.002412	1.075211	-1.714050
116	-2.000000	12.000000	0.0	0.0	0.001117	0.022398	0.081388	-9.748460
117	-2.000000	14.000000	0.0	0.0	0.000587	0.025433	-0.449650	-7.174018
118	-2.000000	17.000000	0.0	0.0	-0.000754	0.036873	0.740846	-12.850770
119	-2.000000	21.000000	0.0	0.0	0.000945	0.042919	-2.311656	-15.690712
120	-2.000000	26.000000	0.0	0.0	0.002261	0.061952	-2.898358	-8.657235
121	-2.000000	32.000000	0.0	100.000000	0.005286	0.104429	-2.055509	-3.199180
122	-2.200000	12.000000	0.0	0.0	0.001290	0.022397	-0.189011	-9.103208
123	-2.200000	10.000000	0.0	0.0	-0.000307	0.001950	0.925457	-1.457471
124	-3.000000	8.000000	0.0	0.0	0.001928	0.000351	-0.031523	-0.554948
125	-3.000000	10.000000	0.0	0.0	-0.000287	0.000335	0.507815	-0.851656
126	-3.000000	12.000000	0.0	0.0	0.001578	0.022183	-0.840166	-10.018063
127	-3.000000	14.000000	0.0	0.0	0.000304	0.025515	-0.294686	-7.479150
128	-3.200000	12.000000	0.0	0.0	0.001850	0.022193	-1.101051	-9.388236
129	-3.200000	10.000000	0.0	0.0	-0.000087	-0.000087	0.632464	-0.030244
130	-4.000000	32.000000	0.0	100.000000	0.004445	0.104308	-1.789682	-3.469275
131	-4.000000	26.000000	0.0	0.0	0.002722	0.063215	-2.653751	-5.245104

133	-4.000000	17.000000	0.0	0.0	-0.000410	0.028401	0.443581	-13.467972
134	-4.000000	14.000000	0.0	0.0	0.000038	0.026555	-0.012562	-20.144100
135	-4.000000	12.000000	0.0	0.0	0.002681	0.021461	-0.141427	0.534023
136	-4.000000	10.000000	0.0	0.0	-0.000107	-0.001826	0.585487	0.156186
137	-4.000000	8.000000	0.0	0.0	0.001423	-0.000803	-0.481185	-0.186587
138	-4.000000	6.000000	0.0	0.0	0.001055	-0.000351	-0.204465	-0.540546
139	-4.000000	3.000000	0.0	0.0	0.000906	-0.000533	-0.464530	-0.569926
140	-4.000000	0.0	0.0	-100.000000	0.0	0.0	-6.376876	135.538324
141	-4.200000	12.000000	0.0	0.0	-0.002068	0.024589	0.070566	-0.454796
142	-4.200000	10.000000	0.0	0.0	0.000122	-0.002444	0.304775	0.356762
143	-5.000000	8.000000	0.0	0.0	0.000788	-0.000771	-0.224373	-0.130557
144	-5.000000	10.000000	0.0	0.0	0.000326	-0.001619	-0.034057	-0.123940
145	-5.000000	12.000000	0.0	0.0	-0.000901	0.024537	1.737365	-13.705532
146	-5.000000	14.000000	0.0	0.0	0.000053	0.026707	0.421093	-15.419815
147	-5.200000	12.000000	0.0	0.0	-0.000733	0.024185	1.457214	-11.056761
148	-5.200000	10.000000	0.0	0.0	0.000521	-0.000827	-0.278337	-0.174891
149	-6.000000	0.0	0.0	-100.000000	0.0	0.0	-1.414724	100.534218
150	-6.000000	3.000000	0.0	0.0	0.000634	-0.000194	-0.355904	-0.318287
151	-6.000000	6.000000	0.0	0.0	0.000775	-0.000252	-0.131168	-0.290803
152	-6.000000	8.000000	0.0	0.0	0.000570	-0.000375	-0.170830	-0.189627
153	-6.000000	10.000000	0.0	0.0	0.000437	-0.000190	-0.330193	-0.412647
154	-6.000000	12.000000	0.0	0.0	-0.000804	0.023648	1.594574	-11.559173
155	-6.000000	14.000000	0.0	0.0	0.000183	0.027363	0.038886	-8.568622
156	-6.000000	17.000000	0.0	0.0	0.000046	0.039972	0.700174	-14.782184
157	-6.000000	21.000000	0.0	0.0	0.001959	0.046011	-2.142554	-18.050554
158	-6.000000	26.000000	0.0	0.0	0.003031	0.064252	-2.443521	-9.790774
159	-6.000000	32.000000	0.0	100.000000	0.003722	0.104556	-1.660941	-3.566944
160	-6.200000	12.000000	0.0	0.0	-0.000683	0.023623	1.280465	-11.212655
161	-6.200000	10.000000	0.0	0.0	0.000553	-0.000092	-0.516191	-0.414625
162	-7.000000	8.000000	0.0	0.0	0.000468	-0.000042	-0.164248	-0.246494
163	-7.000000	10.000000	0.0	0.0	0.000412	0.000262	-0.425445	-0.355752
164	-7.000000	12.000000	0.0	0.0	-0.001020	0.024096	1.627552	-12.199675
165	-7.000000	14.000000	0.0	0.0	0.000548	0.028158	0.052282	-8.656772
166	-7.200000	12.000000	0.0	0.0	-0.000926	0.024255	1.342384	-11.457038
167	-7.200000	10.000000	0.0	0.0	0.000560	0.000326	-0.588275	-0.534400
168	-8.000000	32.000000	0.0	100.000000	0.002998	0.104852	-1.311841	-3.817218
169	-8.000000	26.000000	0.0	0.0	0.003246	0.065142	-2.045832	-10.398839
170	-8.000000	21.000000	0.0	0.0	0.002389	0.047533	-1.796305	-19.393233
171	-8.000000	17.000000	0.0	0.0	0.000591	0.041814	0.368105	-15.255163
172	-8.000000	14.000000	0.0	0.0	0.000979	0.029521	0.024375	-9.010117
173	-8.000000	12.000000	0.0	0.0	-0.001405	0.025531	1.792604	-12.465332
174	-8.000000	10.000000	0.0	0.0	0.000303	0.000507	-0.460628	-0.604975
175	-8.000000	8.000000	0.0	0.0	0.000453	0.000168	-0.196595	-0.264872
176	-8.000000	6.000000	0.0	0.0	0.000553	-0.000055	-0.134445	-0.217632
177	-8.000000	3.000000	0.0	0.0	0.000434	-0.000045	-0.265460	-0.188119
178	-8.000000	0.0	0.0	-100.000000	0.0	0.0	-1.456768	59.508695
179	-8.200000	10.000000	0.0	0.0	0.000524	0.000525	-0.596130	-0.560532
180	-8.200000	12.000000	0.0	0.0	-0.001313	0.025652	1.451250	-11.843177
181	-9.000000	14.000000	0.0	0.0	0.001464	0.031749	0.005184	-9.281639
182	-9.000000	12.000000	0.0	0.0	-0.001846	0.028233	1.533834	-12.986162
183	-9.000000	10.000000	0.0	0.0	0.000362	0.000558	-0.471443	-0.558862
184	-9.000000	8.000000	0.0	0.0	0.000460	0.000221	-0.230290	-0.243624
185	-9.200000	10.000000	0.0	0.0	0.000559	0.000523	-0.623356	-0.502235
186	-9.200000	12.000000	0.0	0.0	-0.001705	0.028931	1.592686	-12.361622
187	-10.000000	0.0	0.0	-100.000000	0.0	0.0	-1.221792	59.042922
188	-10.000000	3.000000	0.0	0.0	0.000309	0.000020	-0.213504	-0.137850
189	-10.000000	6.000000	0.0	0.0	0.000454	0.000040	-0.143330	-0.172967
190	-10.000000	8.000000	0.0	0.0	0.000463	0.000211	-0.159426	[illegible]
191	-10.000000	10.000000	0.0	0.0	0.000417	0.000304	-0.136713	-0.173616
192	-10.000000	12.000000	0.0	0.0	-0.002205	0.032926	0.606713	-0.756243
193	-10.000000	14.000000	0.0	0.0	0.001596	0.034822	0.015246	-9.701845
194	-10.000000	17.000000	0.0	0.0	0.001058	0.043526	0.032645	-16.081705
195	-10.000000	21.000000	0.0	0.0	0.002674	0.049051	-1.645313	-19.556985
196	-10.000000	26.000000	0.0	0.0	0.003162	0.065835	-1.697100	-10.722403

200	-12.000000	21.000000	0.0	0.0	0.002753	0.050405	-1.066347	-21.134980
201	-12.000000	17.000000	0.0	0.0	0.001295	0.040096	0.400350	-17.340603
202	-12.000000	14.000000	0.0	0.0	0.001414	0.029904	-0.004986	-16.964734
203	-12.000000	12.000000	0.0	0.0	-0.001814	0.028810	0.290270	-6.915506
204	-12.000000	10.000000	0.0	0.0	0.000342	0.000168	-0.056255	-0.059920
205	-12.000000	8.000000	0.0	0.0	0.000375	0.000135	-0.127736	-0.137666
206	-12.000000	6.000000	0.0	0.0	0.000338	0.000062	-0.135717	-0.121425
207	-12.000000	3.000000	0.0	0.0	0.000225	0.000046	-0.175666	-0.095727
208	-12.000000	0.0	0.0	-100.000000	0.0	0.0	-1.028445	98.943815
209	-14.000000	0.0	0.0	-100.000000	0.0	0.0	-0.192386	98.955738
210	-14.000000	3.000000	0.0	0.0	0.000160	0.000054	-0.139165	-0.072256
211	-14.000000	6.000000	0.0	0.0	0.000242	0.000070	-0.113751	-0.084386
212	-14.000000	8.000000	0.0	0.0	0.000281	0.000118	-0.093887	-0.086749
213	-14.000000	10.000000	0.0	0.0	0.000279	0.000149	-0.045784	-0.061253
214	-14.000000	12.000000	0.0	0.0	-0.001010	0.042088	0.423144	-7.750805
215	-14.000000	14.000000	0.0	0.0	0.001248	0.042910	-0.027081	-11.009442
216	-14.000000	17.000000	0.0	0.0	0.001430	0.047784	0.082555	-18.252212
217	-14.000000	21.000000	0.0	0.0	0.002635	0.051189	-0.741251	-21.410615
218	-14.000000	26.000000	0.0	0.0	0.003187	0.066013	-0.665360	-11.368897
219	-14.000000	32.000000	0.0	100.000000	0.000037	0.101477	-0.466683	-4.059643
220	-16.000000	32.000000	0.0	100.000000	-0.001477	0.096239	-0.002397	-3.556431
221	-16.000000	26.000000	0.0	0.0	0.002791	0.065218	-0.018006	-11.048411
222	-16.000000	21.000000	0.0	0.0	0.002328	0.052343	-0.032847	-21.657783
223	-16.000000	17.000000	0.0	0.0	0.001536	0.048558	0.493627	-18.286201
224	-16.000000	14.000000	0.0	0.0	0.001121	0.044722	0.061531	-13.035505
225	-16.000000	12.000000	0.0	0.0	-0.000191	0.044605	0.158295	-8.346867
226	-16.000000	10.000000	0.0	0.0	0.000230	0.000163	-0.039435	-0.055762
227	-16.000000	8.000000	0.0	0.0	0.000208	0.000129	-0.065868	-0.070898
228	-16.000000	6.000000	0.0	0.0	0.000169	0.000078	-0.082095	-0.066854
229	-16.000000	3.000000	0.0	0.0	0.000110	0.000057	-0.094244	-0.056860
230	-16.000000	0.0	0.0	-100.000000	0.0	0.0	-0.200366	98.811133
231	-19.000000	0.0	0.0	-100.000000	0.0	0.0	-0.385275	98.490366
232	-19.000000	3.000000	0.0	0.0	0.000054	0.000063	-0.053462	-0.051000
233	-19.000000	6.000000	0.0	0.0	0.000088	0.000093	-0.051076	-0.060660
234	-19.000000	8.000000	0.0	0.0	0.000123	0.000163	-0.043321	-0.075801
235	-19.000000	10.000000	0.0	0.0	0.000177	0.000287	-0.034034	-0.057688
236	-19.000000	12.000000	0.0	0.0	0.000757	0.045112	0.259130	-10.369056
237	-19.000000	14.000000	0.0	0.0	0.001182	0.045002	-0.016555	-14.091470
238	-19.000000	17.000000	0.0	0.0	0.001584	0.049591	0.731638	-19.250383
239	-19.000000	21.000000	0.0	0.0	0.001553	0.052348	0.444577	-21.090878
240	-19.000000	26.000000	0.0	0.0	0.001572	0.062871	0.553133	-10.479482
241	-19.000000	32.000000	0.0	100.000000	-0.004091	0.087810	0.264801	-3.552749
242	-22.000000	32.000000	0.0	100.000000	-0.006682	0.078452	0.640780	-3.862747
243	-22.000000	26.000000	0.0	0.0	-0.000249	0.059397	1.081176	-11.098237
244	-22.000000	21.000000	0.0	0.0	0.000391	0.051101	1.118551	-23.440222
245	-22.000000	17.000000	0.0	0.0	0.001372	0.046887	0.545241	-20.857592
246	-22.000000	14.000000	0.0	0.0	0.001166	0.045518	0.057185	-18.001215
247	-22.000000	12.000000	0.0	0.0	0.001565	0.044569	-0.023173	-11.765650
248	-22.000000	10.000000	0.0	0.0	0.000054	0.000235	-0.022105	-0.081051
249	-22.000000	8.000000	0.0	0.0	0.000031	0.000155	-0.026632	-0.099796
250	-22.000000	6.000000	0.0	0.0	0.000025	0.000114	-0.032976	-0.075055
251	-22.000000	3.000000	0.0	0.0	0.000005	0.000073	-0.029840	-0.056545
252	-22.000000	0.0	0.0	-100.000000	0.0	0.0	-0.039810	97.903571
253	-27.000000	0.0	0.0	-100.000000	0.0	0.0	1.000086	95.501302
254	-27.000000	3.000000	0.0	0.0	-0.000050	0.000101	-0.012332	-0.108834
255	-27.000000	6.000000	0.0	0.0	-0.000062	0.000166	-0.017165	-0.147781
256	-27.000000	8.000000	0.0	0.0	-0.000052	0.000310	-0.014866	-0.238526
257	-27.000000	10.000000	0.0	0.0	-0.000071	0.000396	-0.016405	-0.164415
258	-27.000000	12.000000	0.0	0.0	0.001555	0.042343	0.083095	-16.501258
259	-27.000000	14.000000	0.0	0.0	0.000545	0.042782	0.002474	-24.835680
260	-27.000000	17.000000	0.0	0.0	0.000055	0.045526	1.008556	-27.594073
261	-27.000000	21.000000	0.0	0.0	-0.002031	0.047646	1.601066	-28.018063
262	-27.000000	26.000000	0.0	0.0	-0.003932	0.052507	1.437083	-12.009727
263	-27.000000	32.000000	0.0	100.000000	-0.011042	0.064276	0.726205	-4.045348

266	-35.000000	21.000000	0.0	0.0	-0.006735	0.035530	2.924179	-29.460261
267	-35.000000	17.000000	0.0	0.0	-0.003931	0.038551	1.203443	-27.485422
268	-35.000000	14.000000	0.0	0.0	-0.002528	0.036583	0.304888	-27.308035
269	-35.000000	12.000000	0.0	0.0	-0.001223	0.026356	-0.101582	-18.096133
270	-35.000000	10.000000	0.0	0.0	-0.000338	0.000478	-0.009340	-0.277536
271	-35.000000	8.000000	0.0	0.0	-0.000331	0.000385	-0.011068	-0.319023
272	-35.000000	6.000000	0.0	0.0	-0.000226	0.000220	-0.009589	-0.201445
273	-35.000000	3.000000	0.0	0.0	-0.000162	0.000140	-0.007698	-0.135309
274	-35.000000	0.0	0.0	-100.000000	0.0	0.0	3.594986	92.298632
275	-43.000000	0.0	0.0	-100.000000	0.0	0.0	9.353073	87.625483
276	-43.000000	3.000000	0.0	0.0	-0.000405	0.000204	-0.007175	-0.134710
277	-43.000000	6.000000	0.0	0.0	-0.000587	0.000293	-0.005636	-0.184989
278	-43.000000	8.000000	0.0	0.0	-0.000895	0.000430	-0.004865	-0.203085
279	-43.000000	10.000000	0.0	0.0	-0.000952	0.000470	-0.001150	-0.231267
280	-43.000000	12.000000	0.0	0.0	-0.005916	0.020966	0.059151	-17.018826
281	-43.000000	14.000000	0.0	0.0	-0.007259	0.021105	0.512101	-22.121546
282	-43.000000	17.000000	0.0	0.0	-0.009183	0.032457	2.115261	-24.011264
283	-43.000000	21.000000	0.0	0.0	-0.012088	0.033218	3.983054	-23.535047
284	-43.000000	26.000000	0.0	0.0	-0.015575	0.036453	3.079626	-10.327801
285	-43.000000	32.000000	0.0	100.000000	-0.020519	0.044651	1.526951	-3.233914
286	-52.000000	32.000000	0.0	100.000000	-0.026205	0.037338	1.921548	-2.206437
287	-52.000000	26.000000	0.0	0.0	-0.022032	0.029533	3.765613	-6.802497
288	-52.000000	21.000000	0.0	0.0	-0.018787	0.026396	5.198575	-15.573023
289	-52.000000	17.000000	0.0	0.0	-0.015767	0.025797	2.417706	-14.624118
290	-52.000000	14.000000	0.0	0.0	-0.013832	0.024880	0.533122	-14.813142
291	-52.000000	12.000000	0.0	0.0	-0.011034	0.024555	-0.074532	-9.904352
292	-52.000000	10.000000	0.0	0.0	-0.002714	0.000514	0.006242	-0.160479
293	-52.000000	8.000000	0.0	0.0	-0.002511	0.000588	-0.001576	-0.187487
294	-52.000000	6.000000	0.0	0.0	-0.001581	0.000501	-0.002010	-0.120025
295	-52.000000	3.000000	0.0	0.0	-0.001035	0.000373	-0.007504	-0.081504
296	-52.000000	0.0	0.0	-100.000000	0.0	0.0	25.329426	75.209437
297	-61.000000	0.0	0.0	-100.000000	0.0	0.0	60.190581	56.622824
298	-61.000000	3.000000	0.0	0.0	-0.002500	0.000617	-0.000084	-0.015901
299	-61.000000	6.000000	0.0	0.0	-0.004250	0.000727	0.006192	-0.018545
300	-61.000000	8.000000	0.0	0.0	-0.007058	0.000885	0.011155	-0.022450
301	-61.000000	10.000000	0.0	0.0	-0.007833	0.000330	0.012526	-0.013652
302	-61.000000	12.000000	0.0	0.0	-0.020383	0.010000	0.793218	-118.303695
303	-61.000000	14.000000	0.0	0.0	-0.022605	0.011516	1.582828	-1.021871
304	-61.000000	17.000000	0.0	0.0	-0.022904	0.016121	3.231062	-3.425481
305	-61.000000	21.000000	0.0	0.0	-0.025092	0.017664	5.479167	-3.659153
306	-61.000000	26.000000	0.0	0.0	-0.027729	0.022455	3.877415	-1.576904
307	-61.000000	32.000000	0.0	100.000000	-0.031151	0.031469	1.878411	-0.038875
308	-70.000000	32.000000	-42.280000	100.000000	-0.035020	0.037557	0.537807	0.143737
309	-70.000000	26.000000	-42.280000	0.0	-0.032014	0.021442	1.897719	0.442664
310	-70.000000	21.000000	-42.280000	0.0	-0.029668	0.014293	2.733381	0.520173
311	-70.000000	17.000000	-42.280000	0.0	-0.029088	0.011423	1.631470	0.753554
312	-70.000000	14.000000	-42.280000	0.0	-0.033870	0.003168	0.827722	0.219738
313	-70.000000	12.000000	-42.280000	0.0	-0.034020	0.0	0.480470	-104.172463
314	-70.000000	10.000000	-42.280000	0.0	-0.020885	0.0	0.008287	41.000456
315	-70.000000	8.000000	-42.280000	0.0	-0.018503	-0.000575	0.008515	0.001791
316	-70.000000	6.000000	-42.280000	0.0	-0.010619	-0.001302	0.005720	0.002802
317	-70.000000	3.000000	-42.280000	0.0	-0.006410	-0.001064	0.002585	0.002560
318	-70.000000	0.0	-42.280000	-100.000000	0.0	0.0	109.508585	133.600860

100 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.617868D 03

200 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.603976D 03

300 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.591098D 03

400 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.579416D 03

500 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.568873D 03

600 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.559431D 03

700 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.550696D 03

800 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.530581D 03

900 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.520157D 03

1000 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.511734D 03

MAXIMO DE ITERACIONES COMPLETADO SIN CONVERGENCIA

1000 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.511734D 03

INCREMENTO EQUILIBRIO 0 FUERZA DESBALANCEADA = 1898.87763

ELEMENTOS PLASTICOS EN EL NIVEL ACTUAL DE CARGA

ELEM	SIG-X	SIG-Y	SIG-XY	EPS-X	EPS-Y	EPS-XY	Y,1	Y,2	Y,3	E(1,1)	E(2,2)	E(3,3)	ZEC
221	-7.3	5.8	-1.2	0.48D-03	0.0	-0.77D-03	0.11D 01	0.61D 00	-0.65D 00	0.12D 04	0.33D 04	0.17D 04	1.00
222	7.4	5.5	-1.3	0.50D-03	-0.72D-04	-0.81D-03	0.12D 01	0.58D 00	-0.82D 00	0.12D 04	0.34D 04	0.17D 04	1.00
224	7.0	6.4	-1.2	0.36D-03	0.15D-03	-0.75D-03	0.10D 01	0.73D 00	-0.56D 00	0.17D 04	0.28D 04	0.17D 04	1.00
224	6.5	6.9	-1.2	0.21D-03	0.35D-03	-0.78D-03	0.78D 00	0.95D 00	-0.55D 00	0.26D 04	0.15D 04	0.17D 04	1.00
227	6.3	7.1	-1.1	0.97D-04	0.35D-03	-0.66D-03	0.69D 00	0.10D 01	-0.54D 00	0.25D 04	0.16D 04	0.17D 04	1.00
228	6.1	7.2	-1.2	0.11D-03	0.50D-03	-0.78D-03	0.65D 00	0.11D 01	-0.50D 00	0.31D 04	0.14D 04	0.17D 04	1.00
229	5.9	7.4	-1.0	0.29D-04	0.50D-03	-0.67D-03	0.58D 00	0.12D 01	-0.82D 00	0.34D 04	0.12D 04	0.17D 04	1.00
230	5.8	7.4	-1.1	0.41D-04	0.62D-03	-0.77D-03	0.57D 00	0.12D 01	-0.80D 00	0.34D 04	0.11D 04	0.17D 04	1.00
231	5.7	7.6	-1.0	-0.25D-04	0.62D-03	-0.64D-03	0.51D 00	0.12D 01	-0.70D 00	0.36D 04	0.85D 03	0.17D 04	1.00
232	5.5	7.6	-1.0	-0.47D-05	0.73D-03	-0.74D-03	0.52D 00	0.12D 01	-0.71D 00	0.36D 04	0.90D 03	0.17D 04	1.00
233	5.4	7.7	-0.8	-0.69D-04	0.73D-03	-0.58D-03	0.46D 00	0.13D 01	-0.55D 00	0.38D 04	0.69D 03	0.17D 04	1.00
234	5.3	7.7	-1.0	-0.35D-04	0.87D-03	-0.75D-03	0.49D 00	0.13D 01	-0.64D 00	0.37D 04	0.77D 03	0.17D 04	1.00
235	5.1	8.0	-0.5	-0.15D-03	0.87D-03	-0.36D-03	0.40D 00	0.13D 01	-0.32D 00	0.40D 04	0.42D 03	0.17D 04	1.00
236	3.7	8.2	-1.0	-0.28D-03	0.15D-02	-0.80D-03	0.42D 00	0.13D 01	-0.42D 00	0.40D 04	0.49D 03	0.17D 04	1.00
237	3.1	8.3	1.5	-0.40D-03	0.15D-02	0.11D-02	0.44D 00	0.13D 01	0.51D 00	0.39D 04	0.55D 03	0.17D 04	1.00
238	-2.5	9.7	-2.6	-0.13D-02	0.32D-02	-0.19D-02	0.41D 00	0.13D 01	-0.35D 00	0.40D 04	0.46D 03	0.17D 04	1.00
255	0.0	0.1	-0.0	0.54D-04	0.12D-01	-0.89D-03	0.37D 00	0.14D 01	-0.71D-01	0.58D 01	0.43D 00	0.25D 01	1.00
256	0.0	0.1	-0.0	-0.64D-04	0.14D-01	-0.24D-02	0.38D 00	0.14D 01	-0.17D 00	0.58D 01	0.47D 00	0.25D 01	1.00
257	0.0	0.1	-0.0	0.18D-04	0.14D-01	-0.85D-03	0.37D 00	0.14D 01	-0.60D-01	0.58D 01	0.43D 00	0.25D 01	1.00
258	0.0	0.1	-0.0	-0.20D-03	0.15D-01	-0.16D-02	0.37D 00	0.14D 01	-0.10D 00	0.58D 01	0.44D 00	0.25D 01	1.00
259	0.0	0.1	-0.0	0.94D-05	0.15D-01	-0.66D-03	0.37D 00	0.14D 01	-0.44D-01	0.58D 01	0.42D 00	0.25D 01	1.00
260	0.0	0.1	-0.0	-0.23D-03	0.16D-01	-0.99D-03	0.37D 00	0.14D 01	-0.62D-01	0.58D 01	0.43D 00	0.25D 01	1.00
261	0.0	0.1	-0.0	0.56D-05	0.16D-01	-0.44D-03	0.37D 00	0.14D 01	-0.28D-01	0.58D 01	0.43D 00	0.25D 01	1.00
262	0.0	0.1	-0.0	-0.20D-03	0.16D-01	-0.36D-03	0.37D 00	0.14D 01	-0.22D-01	0.58D 01	0.43D 00	0.25D 01	1.00
263	0.0	0.1	0.0	-0.19D-03	0.16D-01	0.10D-01	0.45D 00	0.13D 01	0.54D 00	0.54D 01	0.50D 00	0.25D 01	0.99
264	0.0	0.1	0.0	-0.19D-03	0.16D-01	0.22D-03	0.37D 00	0.14D 01	0.13D-01	0.58D 01	0.43D 00	0.25D 01	1.00
265	0.0	0.1	0.0	0.12D-04	0.16D-01	0.17D-03	0.37D 00	0.14D 01	0.11D-01	0.58D 01	0.42D 00	0.25D 01	1.00
266	0.0	0.1	0.0	-0.58D-04	0.15D-01	0.68D-03	0.37D 00	0.14D 01	0.45D-01	0.58D 01	0.43D 00	0.25D 01	1.00

100 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.778148E 03

200 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.689427E 03

300 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.641408E 03

400 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.616409E 03

500 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.602493E 03

600 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.592075E 03

700 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.583304E 03

800 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.575602E 03

900 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.568648E 03

1000 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.562231E 03

MAXIMO DE ITERACIONES COMPLETADO SIN CONVERGENCIA

1000 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.562231E 03

INCREMENTO EQUILIBRIO C FUERZA DESBALANCEADA = 3462.46296

ELEMENTOS PLASTICOS EN EL NIVEL ACTUAL DE CARGA

ELEM	SIG-X	SIG-Y	SIG-XY	EPS-X	EPS-Y	EPS-XY	Y,1	Y,2	Y,3	E(1,1)	E(2,2)	E(3,3)	ZEC
221	7.3	4.4	-2.2	0.10D-02	0.0	-0.16D-02	0.11D 01	0.60D 00	-0.84D 00	0.12D 04	0.33D 04	0.17D 04	1.00
222	6.9	5.5	-2.0	0.10D-02	0.28D-03	-0.16D-02	0.10D 01	0.70D 00	-0.94D 00	0.16D 04	0.29D 04	0.17D 04	1.01
223	6.7	6.1	-1.7	0.46D-03	0.28D-03	-0.12D-02	0.95D 00	0.79D 00	-0.99D 00	0.20D 04	0.26D 04	0.17D 04	1.00
224	4.8	7.8	-2.5	0.74D-03	0.13D-02	-0.24D-02	0.61D 00	0.11D 01	-0.86D 00	0.32D 04	0.13D 04	0.17D 04	1.07
225	3.9	7.8	-1.9	-0.15D-03	0.13D-02	-0.15D-02	0.52D 00	0.12D 01	-0.71D 00	0.36D 04	0.85D 03	0.17D 04	1.00
226	-1.0	11.0	-3.1	0.46D-03	0.46D-02	-0.46D-02	0.43D 00	0.13D 01	-0.47D 00	0.39D 04	0.54D 03	0.17D 04	1.20
227	-0.2	11.3	-1.3	0.31D-03	0.46D-02	-0.32D-02	0.38D 00	0.14D 01	-0.22D 00	0.41D 04	0.35D 03	0.17D 04	1.20
228	-2.9	11.9	-2.0	0.41D-03	0.64D-02	-0.45D-02	0.39D 00	0.13D 01	-0.27D 00	0.41D 04	0.38D 03	0.17D 04	1.20
229	-2.4	11.9	-0.7	0.17D-03	0.64D-02	-0.34D-02	0.37D 00	0.14D 01	-0.97D-01	0.41D 04	0.31D 03	0.17D 04	1.19
230	-4.9	12.4	-1.5	0.22D-03	0.80D-02	-0.45D-02	0.38D 00	0.14D 01	-0.17D 00	0.41D 04	0.23D 03	0.17D 04	1.19
231	-3.9	12.0	-0.3	0.15D-03	0.80D-02	-0.34D-02	0.37D 00	0.14D 01	-0.34D-01	0.41D 04	0.20D 03	0.17D 04	1.16
232	-6.6	13.0	-0.7	0.64D-04	0.96D-02	-0.43D-02	0.37D 00	0.14D 01	-0.73D-01	0.41D 04	0.21D 03	0.17D 04	1.19
233	-4.7	12.0	0.3	0.26D-03	0.96D-02	-0.31D-02	0.37D 00	0.14D 01	0.36D-01	0.41D 04	0.30D 03	0.17D 04	1.14
234	-8.1	13.4	-0.1	-0.10D-03	0.11D-01	-0.39D-02	0.37D 00	0.14D 01	-0.72D-02	0.41D 04	0.30D 03	0.17D 04	1.19
235	-4.8	11.0	-0.3	0.30D-03	0.11D-01	-0.22D-02	0.37D 00	0.14D 01	-0.36D-01	0.41D 04	0.30D 03	0.17D 04	1.03
236	-10.1	12.8	-0.5	-0.42D-03	0.12D-01	-0.32D-02	0.37D 00	0.14D 01	-0.48D-01	0.41D 04	0.31D 03	0.17D 04	1.06
237	-7.4	14.1	-4.3	0.12D-03	0.12D-01	0.11D-02	0.41D 00	0.13D 01	-0.27D 00	0.40D 04	0.45D 03	0.17D 04	1.35
238	-16.8	14.4	-1.7	-0.12D-02	0.15D-01	-0.42D-02	0.37D 00	0.14D 01	-0.11D 00	0.41D 04	0.32D 03	0.17D 04	1.05
239	10.4	20.7	0.4	-0.19D-02	0.20D-01	0.18D-02	0.37D 00	0.14D 01	0.80D-01	0.66D 03	0.50D 02	0.28D 03	1.00
240	9.8	20.9	-0.1	-0.28D-02	0.21D-01	-0.47D-03	0.37D 00	0.14D 01	-0.20D-01	0.66D 03	0.49D 02	0.28D 03	1.00
241	10.2	20.7	0.7	-0.20D-02	0.21D-01	0.31D-02	0.37D 00	0.14D 01	0.13D 00	0.66D 03	0.52D 02	0.28D 03	1.00
242	9.4	21.0	0.3	-0.31D-02	0.21D-01	0.12D-02	0.37D 00	0.14D 01	0.45D-01	0.66D 03	0.49D 02	0.28D 03	1.00
243	10.0	20.7	1.5	-0.22D-02	0.21D-01	0.65D-02	0.39D 00	0.13D 01	0.27D 00	0.65D 03	0.61D 02	0.28D 03	1.00
244	8.8	21.1	1.0	-0.40D-02	0.21D-01	0.42D-02	0.38D 00	0.14D 01	0.16D 00	0.66D 03	0.53D 02	0.28D 03	1.00
245	9.5	20.9	-0.9	-0.20D-02	0.25D-01	-0.43D-02	0.38D 00	0.14D 01	-0.16D 00	0.66D 03	0.53D 02	0.28D 03	1.00
246	9.4	21.0	-0.2	-0.24D-02	0.24D-01	-0.11D-02	0.37D 00	0.14D 01	-0.42D-01	0.66D 03	0.49D 02	0.28D 03	1.00
247	10.0	20.8	-0.7	-0.17D-02	0.24D-01	-0.31D-02	0.37D 00	0.14D 01	-0.12D 00	0.66D 03	0.51D 02	0.28D 03	1.00
248	9.9	20.8	-0.5	-0.18D-02	0.23D-01	-0.22D-02	0.37D 00	0.14D 01	-0.88D-01	0.66D 03	0.50D 02	0.28D 03	1.00
249	10.1	20.8	-0.5	-0.16D-02	0.23D-01	-0.26D-02	0.37D 00	0.14D 01	-0.10D 00	0.66D 03	0.50D 02	0.28D 03	1.00
250	10.1	20.8	-0.6	-0.15D-02	0.23D-01	-0.30D-02	0.37D 00	0.14D 01	-0.12D 00	0.66D 03	0.51D 02	0.28D 03	1.00
251	10.0	20.8	-0.5	-0.16D-02	0.24D-01	-0.22D-02	0.37D 00	0.14D 01	-0.84D-01	0.66D 03	0.50D 02	0.28D 03	1.00
252	10.0	20.8	-0.8	-0.14D-02	0.24D-01	-0.40D-02	0.38D 00	0.14D 01	-0.15D 00	0.66D 03	0.53D 02	0.28D 03	1.00
253	9.6	20.9	-0.4	-0.18D-02	0.25D-01	-0.17D-02	0.37D 00	0.14D 01	-0.62D-01	0.66D 03	0.49D 02	0.28D 03	1.00
254	9.5	20.9	-1.2	-0.16D-02	0.26D-01	-0.56D-02	0.38D 00	0.14D 01	-0.20D 00	0.66D 03	0.56D 02	0.28D 03	1.00
264	0.0	0.1	0.0	-0.45D-03	0.35D-01	0.31D-03	0.37D 00	0.14D 01	0.39D-02	0.58D 01	0.43D 00	0.25D 01	1.00

264	0.4	1.0	0.0	0.120D-03	0.220D-01	0.190D-02	0.370 00	0.140 01	0.510D-01	0.250 02	0.150 01	0.110 02	1.00
264	0.4	1.0	0.0	0.560D-04	0.290D-01	0.440D-03	0.370 00	0.140 01	0.150D-01	0.250 02	0.150 01	0.110 02	1.00
302	-21.1	52.4	6.4	-0.270D-02	0.530D-02	0.140D-02	0.380 00	0.140 01	0.170 00	0.590 04	0.780 03	0.460 04	1.00
508	8.7	25.1	-4.2	0.240D-03	0.410D-02	-0.200D-02	0.430 00	0.130 01	-0.460 00	0.450 04	0.710 03	0.230 04	1.00
509	8.5	25.9	-1.4	0.160D-03	0.410D-02	-0.620D-01	0.380 00	0.140 01	-0.150 00	0.510 04	0.410 03	0.240 04	1.00
510	8.0	25.0	-9.1	0.350D-03	0.470D-02	-0.260D-02	0.440 00	0.130 01	-0.510 00	0.490 04	0.600 03	0.230 04	1.00
511	7.1	26.3	-1.0	-0.620D-05	0.470D-02	-0.490D-03	0.370 00	0.140 01	-0.100 00	0.510 04	0.350 03	0.240 04	1.00
512	7.6	25.4	-4.4	0.420D-03	0.530D-02	-0.240D-02	0.420 00	0.130 01	-0.450 00	0.490 04	0.650 03	0.230 04	1.00
513	5.6	26.7	-0.8	-0.140D-03	0.530D-02	-0.420D-03	0.370 00	0.140 01	-0.780D-01	0.510 04	0.380 03	0.240 04	1.00
514	9.0	25.7	-1.6	0.570D-03	0.530D-02	-0.920D-03	0.380 00	0.140 01	-0.150 00	0.510 04	0.430 03	0.240 04	1.00
515	5.6	26.7	-0.7	-0.120D-03	0.530D-02	-0.360D-03	0.370 00	0.140 01	-0.650D-01	0.510 04	0.380 03	0.240 04	1.00
516	10.2	25.4	1.0	0.680D-03	0.500D-02	0.540D-03	0.370 00	0.140 01	-0.120 00	0.510 04	0.400 03	0.240 04	1.00
517	6.9	26.3	-0.7	0.400D-04	0.500D-02	-0.360D-03	0.370 00	0.140 01	-0.730D-01	0.510 04	0.380 03	0.240 04	1.00
518	10.3	25.4	-0.1	0.650D-03	0.480D-02	-0.290D-04	0.370 00	0.140 01	-0.700D-02	0.510 04	0.370 03	0.240 04	1.00
519	7.6	24.1	-0.8	0.130D-03	0.480D-02	-0.410D-03	0.370 00	0.140 01	-0.850D-01	0.510 04	0.350 03	0.240 04	1.00
520	10.6	25.4	-0.5	0.670D-03	0.470D-02	-0.280D-03	0.370 00	0.140 01	-0.700D-01	0.510 04	0.380 03	0.240 04	1.00
521	9.1	26.0	-0.9	0.190D-03	0.470D-02	-0.450D-03	0.370 00	0.140 01	-0.100 00	0.510 04	0.350 03	0.240 04	1.00
522	10.9	25.3	-0.7	0.720D-03	0.460D-02	-0.360D-03	0.370 00	0.140 01	-0.940D-01	0.510 04	0.350 03	0.240 04	1.00
523	8.5	25.5	-0.9	0.260D-03	0.460D-02	-0.470D-03	0.370 00	0.140 01	-0.110 00	0.510 04	0.350 03	0.240 04	1.00
524	11.5	25.1	-0.6	0.800D-03	0.450D-02	-0.330D-03	0.370 00	0.140 01	-0.850D-01	0.510 04	0.350 03	0.240 04	1.00
525	9.1	25.8	-0.9	0.330D-03	0.450D-02	-0.430D-03	0.370 00	0.140 01	-0.100 00	0.510 04	0.350 03	0.240 04	1.00
526	12.2	24.9	-0.3	0.900D-03	0.430D-02	-0.140D-03	0.370 00	0.140 01	-0.400D-01	0.510 04	0.380 03	0.240 04	1.00
527	9.7	25.6	-0.7	0.410D-03	0.430D-02	-0.320D-03	0.370 00	0.140 01	-0.820D-01	0.510 04	0.380 03	0.240 04	1.00
528	13.1	24.7	0.6	0.100D-02	0.410D-02	0.290D-03	0.370 00	0.140 01	0.960D-01	0.510 04	0.350 03	0.240 04	1.00
529	10.6	25.4	-0.4	0.510D-03	0.410D-02	-0.180D-03	0.370 00	0.140 01	-0.500D-01	0.510 04	0.380 03	0.240 04	1.00
530	14.3	23.9	2.4	0.110D-02	0.350D-02	0.120D-02	0.420 00	0.130 01	0.450 00	0.490 04	0.700 03	0.230 04	1.00
531	12.1	25.0	0.1	0.670D-03	0.350D-02	0.410D-04	0.370 00	0.140 01	-0.140D-01	0.510 04	0.370 03	0.240 04	1.00

100 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.103244D 04

200 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.115570D 04

300 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.988472D 03

400 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.895536D 03

500 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.841690D 03

600 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.802831D 03

700 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.771090D 03

800 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.743580D 03

900 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.720700D 03

1000 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.700855D 03

MAXIMO DE ITERACIONES COMPLETADO SIN CONVERGENCIA

1000 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.700855D 03

INCREMENTO EQUILIBRIO 0 FUERZA DESBALANCEADA = 5578.65126

ELEMENTOS PLASTICOS EN EL NIVEL ACTUAL DE CARGA

ELEM	SIG-X	SIG-Y	SIG-XY	EPS-X	EPS-Y	EPS-XY	Y,1	Y,2	Y,3	E(1,1)	E(2,2)	E(3,3)	ZEC
221	7.2	8.3	-3.1	0.15D-02	0.0	-0.24D-02	0.11D 01	0.60D 00	-0.05D 00	0.12D 04	0.33D 04	0.17D 04	1.00
222	4.0	8.4	-3.0	0.16D-02	0.21D-02	-0.35D-02	0.58D 00	0.12D 01	-0.81D 00	0.34D 04	0.11D 04	0.17D 04	1.13
223	3.9	9.6	-1.6	0.69D-03	0.21D-02	-0.23D-02	0.43D 00	0.13D 01	-0.48D 00	0.39D 04	0.55D 03	0.17D 04	1.17
224	-2.1	11.3	-2.7	0.12D-02	0.66D-02	-0.54D-02	0.41D 00	0.13D 01	-0.37D 00	0.40D 04	0.45D 03	0.17D 04	1.19
225	-2.1	10.8	-1.1	0.17D-03	0.66D-02	-0.33D-02	0.38D 00	0.14D 01	-0.16D 00	0.41D 04	0.32D 03	0.17D 04	1.09
226	-10.8	13.8	-4.2	0.76D-03	0.13D-01	-0.75D-02	0.40D 00	0.13D 01	-0.33D 00	0.40D 04	0.41D 03	0.17D 04	1.22
227	-8.6	13.6	-2.0	0.56D-03	0.13D-01	-0.47D-02	0.38D 00	0.14D 01	-0.18D 00	0.41D 04	0.33D 03	0.17D 04	1.21
228	-14.6	14.9	-3.5	0.46D-03	0.16D-01	-0.70D-02	0.38D 00	0.14D 01	-0.22D 00	0.41D 04	0.36D 03	0.17D 04	1.20
229	-12.9	14.7	-1.8	0.38D-03	0.16D-01	-0.44D-02	0.37D 00	0.14D 01	-0.13D 00	0.41D 04	0.32D 03	0.17D 04	1.19
230	-19.1	15.9	-3.0	0.28D-03	0.20D-01	-0.66D-02	0.38D 00	0.14D 01	-0.16D 00	0.41D 04	0.33D 03	0.17D 04	1.19
231	-16.2	15.3	-1.5	0.36D-03	0.20D-01	-0.43D-02	0.37D 00	0.14D 01	-0.92D-01	0.41D 04	0.31D 03	0.17D 04	1.17
232	-20.9	16.7	-2.7	0.18D-03	0.23D-01	-0.60D-02	0.38D 00	0.14D 01	-0.14D 00	0.41D 04	0.32D 03	0.17D 04	1.19
233	-18.5	15.7	-1.2	0.46D-03	0.23D-01	-0.37D-02	0.37D 00	0.14D 01	-0.73D-01	0.41D 04	0.31D 03	0.17D 04	1.14
234	-22.7	17.3	-2.9	0.19D-03	0.25D-01	-0.56D-02	0.38D 00	0.14D 01	-0.14D 00	0.41D 04	0.32D 03	0.17D 04	1.20
235	-19.7	15.0	-0.7	0.52D-03	0.25D-01	-0.20D-02	0.37D 00	0.14D 01	-0.38D-01	0.41D 04	0.30D 03	0.17D 04	1.03
236	-25.1	16.7	-3.2	0.10D-03	0.28D-01	-0.52D-02	0.38D 00	0.14D 01	-0.15D 00	0.41D 04	0.32D 03	0.17D 04	1.07
237	-23.1	20.2	0.1	0.55D-03	0.28D-01	0.24D-03	0.37D 00	0.14D 01	0.34D-02	0.41D 04	0.30D 03	0.17D 04	1.48
238	-32.3	18.4	-4.1	-0.55D-03	0.31D-01	-0.66D-02	0.38D 00	0.14D 01	-0.16D 00	0.41D 04	0.33D 03	0.17D 04	1.05
239	7.0	21.7	-0.1	-0.23D-02	0.38D-01	0.79D-03	0.37D 00	0.14D 01	-0.15D-01	0.66D 03	0.45D 02	0.28D 03	1.00
240	6.6	21.7	-0.6	-0.28D-02	0.38D-01	-0.25D-02	0.37D 00	0.14D 01	-0.82D-01	0.66D 03	0.50D 02	0.28D 03	1.00
241	6.8	21.7	-0.1	-0.23D-02	0.39D-01	0.17D-02	0.37D 00	0.14D 01	-0.12D-01	0.66D 03	0.49D 02	0.28D 03	1.00
242	6.3	21.8	-0.6	-0.29D-02	0.40D-01	-0.15D-02	0.37D 00	0.14D 01	-0.84D-01	0.66D 03	0.50D 02	0.28D 03	1.00
243	6.5	22.0	0.2	-0.24D-02	0.40D-01	0.49D-02	0.37D 00	0.14D 01	0.22D-01	0.66D 03	0.49D 02	0.28D 03	1.01
244	5.5	22.2	-0.3	-0.39D-02	0.40D-01	0.13D-02	0.37D 00	0.14D 01	-0.41D-01	0.66D 03	0.49D 02	0.28D 03	1.01
245	6.2	21.8	-0.9	-0.20D-02	0.43D-01	-0.61D-02	0.37D 00	0.14D 01	-0.12D 00	0.66D 03	0.51D 02	0.28D 03	1.00
246	6.1	21.9	-0.6	-0.22D-02	0.43D-01	-0.30D-02	0.37D 00	0.14D 01	-0.80D-01	0.66D 03	0.50D 02	0.28D 03	1.00
247	6.6	21.7	-0.8	-0.16D-02	0.42D-01	-0.49D-02	0.37D 00	0.14D 01	-0.10D 00	0.66D 03	0.51D 02	0.28D 03	1.00
248	6.7	21.7	-0.9	-0.16D-02	0.42D-01	-0.46D-02	0.37D 00	0.14D 01	-0.11D 00	0.66D 03	0.51D 02	0.28D 03	1.00
250	6.8	21.6	-1.0	-0.12D-02	0.43D-01	-0.57D-02	0.37D 00	0.14D 01	-0.13D 00	0.66D 03	0.52D 02	0.28D 03	1.00
251	6.5	21.7	-0.7	-0.14D-02	0.44D-01	-0.41D-02	0.37D 00	0.14D 01	-0.94D-01	0.66D 03	0.50D 02	0.28D 03	1.00
253	6.1	21.9	-0.7	-0.16D-02	0.46D-01	-0.37D-02	0.37D 00	0.14D 01	-0.68D-01	0.66D 03	0.50D 02	0.28D 03	1.00
254	6.0	21.8	-1.4	-0.13D-02	0.46D-01	-0.92D-02	0.38D 00	0.14D 01	-0.14D 00	0.66D 03	0.54D 02	0.28D 03	1.00
255	-0.0	0.1	-0.0	0.10D-03	0.49D-01	-0.41D-02	0.37D 00	0.14D 01	-0.80D-01	0.58D 01	0.44D 00	0.25D 01	1.00
256	-0.0	0.1	-0.0	-0.36D-03	0.54D-01	-0.82D-02	0.38D 00	0.14D 01	-0.15D 00	0.58D 01	0.46D 00	0.25D 01	1.00
257	-0.0	0.1	-0.0	0.19D-04	0.54D-01	-0.38D-02	0.37D 00	0.14D 01	-0.67D-01	0.58D 01	0.43D 00	0.25D 01	1.00

260	-5.0	0.1	-0.0	-0.100-02	0.580-01	-0.300-02	0.370 00	0.140 01	-0.610-01	0.580 01	0.430 00	0.250 01	1.00
261	-0.0	0.1	-0.0	-0.290-05	0.580-01	-0.210-02	0.370 00	0.140 01	-0.330-01	0.580 01	0.430 00	0.250 01	1.00
262	-0.0	0.1	-0.0	-0.100-02	0.590-01	-0.110-02	0.370 00	0.140 01	-0.150-01	0.580 01	0.420 00	0.250 01	1.00
263	-0.1	0.1	0.1	-0.740-03	0.590-01	0.390-01	0.450 00	0.130 01	0.550 00	0.540 01	0.510 00	0.250 01	0.96
264	-0.0	0.1	0.0	-0.110-02	0.580-01	0.170-02	0.370 00	0.140 01	0.460-01	0.580 01	0.430 00	0.250 01	1.00
265	-0.0	0.1	0.0	0.220-04	0.580-01	0.100-02	0.370 00	0.140 01	0.310-01	0.580 01	0.430 00	0.250 01	1.00
266	-0.0	0.1	0.0	-0.670-03	0.530-01	0.460-02	0.370 00	0.140 01	0.730-01	0.580 01	0.430 00	0.250 01	1.00
267	0.2	1.1	0.0	0.310-04	0.530-01	0.280-02	0.370 00	0.140 01	0.000-01	0.250 02	0.190 01	0.110 02	1.00
268	0.3	1.0	0.1	0.660-04	0.420-01	0.550-02	0.380 00	0.140 01	0.100 00	0.250 02	0.200 01	0.110 02	1.00
269	0.3	1.0	0.0	0.800-04	0.420-01	0.270-02	0.370 00	0.140 01	0.800-01	0.250 02	0.190 01	0.110 02	1.00
270	0.5	1.0	0.0	0.120-02	0.250-01	0.250-02	0.370 00	0.140 01	0.110 00	0.250 02	0.190 01	0.110 02	1.00
272	0.5	1.0	-0.1	0.800-03	0.250-01	-0.490-02	0.380 00	0.140 01	-0.160 00	0.250 02	0.210 01	0.110 02	1.00
302	-18.3	52.0	3.6	-0.270-02	0.520-02	0.810-03	0.370 00	0.140 01	0.100 00	0.950 04	0.720 03	0.460 04	1.00
352	9.0	24.7	-5.1	0.120-03	0.340-02	-0.210-02	0.450 00	0.130 01	-0.540 00	0.480 04	0.860 03	0.230 04	1.00
354	9.2	25.4	-3.7	0.380-04	0.380-02	-0.160-02	0.410 00	0.130 01	-0.400 00	0.500 04	0.620 03	0.230 04	1.00
355	8.1	25.8	-2.7	-0.150-04	0.380-02	-0.120-02	0.390 00	0.130 01	-0.250 00	0.500 04	0.510 03	0.240 04	1.00
356	7.9	25.6	-3.5	0.450-04	0.410-02	-0.160-02	0.410 00	0.130 01	-0.370 00	0.500 04	0.590 03	0.240 04	1.00
357	6.3	26.1	-3.3	-0.290-03	0.410-02	-0.150-02	0.400 00	0.130 01	-0.320 00	0.500 04	0.530 03	0.240 04	1.00
358	7.8	25.6	-3.7	0.390-04	0.410-02	-0.170-02	0.410 00	0.130 01	-0.250 00	0.500 04	0.610 03	0.230 04	1.00
359	5.8	25.6	-5.6	-0.290-03	0.410-02	-0.250-02	0.440 00	0.130 01	-0.500 00	0.490 04	0.770 03	0.230 04	1.00
360	8.2	25.3	-4.4	0.670-04	0.390-02	-0.190-02	0.420 00	0.130 01	-0.450 00	0.490 04	0.700 03	0.230 04	1.00
361	7.2	25.4	-4.9	-0.110-03	0.390-02	-0.220-02	0.430 00	0.130 01	-0.480 00	0.490 04	0.740 03	0.230 04	1.00
362	8.2	25.1	-4.9	0.660-04	0.380-02	-0.210-02	0.440 00	0.130 01	-0.500 00	0.490 04	0.780 03	0.230 04	1.00
363	8.5	25.3	-3.9	0.970-04	0.380-02	-0.170-02	0.420 00	0.130 01	-0.430 00	0.490 04	0.660 03	0.230 04	1.00
364	8.0	25.3	-4.4	0.270-04	0.380-02	-0.190-02	0.420 00	0.130 01	-0.450 00	0.490 04	0.700 03	0.230 04	1.00
365	8.5	24.7	-5.6	0.130-03	0.370-02	-0.240-02	0.460 00	0.130 01	-0.570 00	0.480 04	0.910 03	0.230 04	1.00
367	7.6	25.6	-4.0	-0.110-04	0.400-02	-0.180-02	0.410 00	0.130 01	-0.410 00	0.500 04	0.640 03	0.230 04	1.00
368	5.8	26.5	-2.3	-0.340-03	0.430-02	-0.100-02	0.380 00	0.140 01	-0.210 00	0.510 04	0.440 03	0.240 04	1.00
369	4.7	26.6	-3.2	-0.550-03	0.430-02	-0.140-02	0.390 00	0.130 01	-0.280 00	0.500 04	0.500 03	0.240 04	1.00
370	6.4	25.8	-4.3	-0.100-03	0.450-02	-0.200-02	0.410 00	0.130 01	-0.410 00	0.500 04	0.640 03	0.230 04	1.00
371	3.7	26.3	-5.4	-0.640-03	0.440-02	-0.240-02	0.420 00	0.130 01	-0.430 00	0.490 04	0.670 03	0.230 04	1.00
372	3.1	25.6	-7.8	-0.640-03	0.440-02	-0.350-02	0.460 00	0.130 01	-0.570 00	0.480 04	0.910 03	0.230 04	1.00
373	6.8	25.3	-5.5	-0.120-03	0.400-02	-0.240-02	0.440 00	0.130 01	-0.510 00	0.490 04	0.790 03	0.230 04	1.00
374	6.0	22.7	-10.9	-0.230-03	0.330-02	-0.460-02	0.570 00	0.120 01	-0.750 00	0.440 04	0.150 04	0.220 04	1.00
375	7.3	23.1	-9.4	-0.300-04	0.330-02	-0.400-02	0.550 00	0.120 01	-0.770 00	0.450 04	0.140 04	0.220 04	1.00
396	11.8	23.4	5.6	0.660-03	0.310-02	0.240-02	0.510 00	0.120 01	0.650 00	0.460 04	0.120 04	0.220 04	1.00
460	21.6	41.0	-2.5	0.100-02	0.310-02	-0.550-03	0.390 00	0.140 01	-0.250 00	0.540 04	0.850 03	0.450 04	1.00
462	22.1	40.7	-3.2	0.110-02	0.340-02	-0.760-03	0.400 00	0.130 01	-0.320 00	0.930 04	0.100 04	0.450 04	1.00
464	22.2	40.7	-2.9	0.110-02	0.340-02	-0.700-03	0.390 00	0.130 01	-0.300 00	0.930 04	0.960 03	0.450 04	1.00
466	22.8	40.5	-3.1	0.120-02	0.340-02	-0.770-03	0.400 00	0.120 01	-0.340 00	0.930 04	0.100 04	0.450 04	1.00
468	23.6	40.2	-3.3	0.130-02	0.330-02	-0.810-03	0.410 00	0.130 01	-0.370 00	0.920 04	0.110 04	0.450 04	1.00
470	24.4	39.6	-4.2	0.140-02	0.320-02	-0.100-02	0.430 00	0.130 01	-0.480 00	0.910 04	0.140 04	0.440 04	1.00
472	25.5	38.9	-5.1	0.150-02	0.310-02	-0.130-02	0.470 00	0.130 01	-0.610 00	0.890 04	0.190 04	0.430 04	1.00
474	26.8	37.9	-5.9	0.160-02	0.300-02	-0.140-02	0.530 00	0.120 01	-0.720 00	0.850 04	0.250 04	0.420 04	1.00
476	28.3	36.9	-6.4	0.170-02	0.270-02	-0.150-02	0.590 00	0.110 01	-0.820 00	0.810 04	0.310 04	0.410 04	1.00
503	6.7	26.4	1.1	-0.170-03	0.440-02	0.510-03	0.370 00	0.140 01	0.110 00	0.510 04	0.350 03	0.240 04	1.00
504	-8.9	30.6	-1.6	-0.290-02	0.560-02	-0.700-03	0.370 00	0.140 01	-0.820-01	0.510 04	0.380 03	0.240 04	1.00
505	4.8	26.5	3.7	-0.120-03	0.560-02	0.190-02	0.400 00	0.130 01	0.320 00	0.500 04	0.530 03	0.240 04	1.00
506	-21.2	33.6	-5.1	-0.440-02	0.890-02	-0.250-02	0.380 00	0.140 01	-0.160 00	0.510 04	0.430 03	0.240 04	1.00
507	-2.6	26.8	9.7	-0.190-03	0.890-02	0.600-02	0.450 00	0.130 01	0.550 00	0.480 04	0.870 03	0.230 04	1.00
508	-18.5	24.5	-31.5	0.110-02	0.210-01	-0.190-01	0.590 00	0.110 01	-0.820 00	0.430 04	0.160 04	0.220 04	1.12
509	-9.8	32.7	14.7	0.100-02	0.210-01	0.440-02	0.460 00	0.130 01	0.570 00	0.480 04	0.510 03	0.230 04	1.18
510	-11.9	23.8	-25.4	0.520-02	0.290-01	-0.200-01	0.580 00	0.120 01	-0.820 00	0.430 04	0.160 04	0.220 04	1.07
511	-20.1	34.7	11.5	0.110-02	0.290-01	0.310-02	0.410 00	0.130 01	0.350 00	0.500 04	0.610 03	0.230 04	1.10
512	-10.6	26.4	-18.8	0.600-02	0.350-01	-0.180-01	0.520 00	0.120 01	-0.710 00	0.460 04	0.130 04	0.220 04	1.04
513	-29.1	36.6	7.4	0.110-02	0.350-01	0.150-02	0.380 00	0.140 01	0.220 00	0.510 04	0.450 03	0.240 04	1.04
514	-6.9	28.8	-10.9	0.630-02	0.370-01	-0.900-02	0.440 00	0.130 01	-0.520 00	0.480 04	0.820 03	0.230 04	1.03
515	-31.0	37.0	5.6	0.120-02	0.370-01	0.920-03	0.380 00	0.140 01	0.160 00	0.510 04	0.410 03	0.240 04	1.02
516	-6.9	30.7	-5.4	0.590-02	0.360-01	0.590-03	0.390 00	0.130 01	-0.280 00	0.500 04	0.490 03	0.240 04	1.04
517	-30.2	36.6	3.1	0.130-02	0.360-01	-0.280-03	0.370 00	0.140 01	0.920-01	0.510 04	0.390 03	0.240 04	1.01
518	-6.2	29.9	-4.0	0.600-02	0.360-01	-0.180-02	0.380 00	0.140 01	-0.220 00	0.510 04	0.450 03	0.240 04	1.01
519	-29.9	36.5	0.6	0.140-02	0.360-01	-0.170-02	0.370 00	0.140 01	0.170-01	0.510 04	0.370 03	0.240 04	1.00
520	-5.0	29.5	-1.7	0.620-02	0.360-01	-0.230-02	0.370 00	0.140 01	-0.960-01	0.510 04	0.390 03	0.240 04	1.00
521	-29.0	36.1	-2.2	0.150-02	0.360-01	-0.300-02	0.370 00	0.140 01	-0.670-01	0.510 04	0.380 03	0.240 04	1.00

[illegible]	[illegible]	28.7	4.7	0.610-02	0.330-01	0.110-03	0.390 00	0.130 01	0.300 00	0.500 04	0.510 03	0.240 04	1.03
525	-24.8	34.2	-8.2	0.170-02	0.330-01	-0.540-02	0.390 00	0.130 01	-0.220 00	0.500 04	0.450 03	0.240 04	1.01
526	1.2	28.2	9.1	0.560-02	0.300-01	0.300-02	0.460 00	0.130 01	0.500 00	0.480 04	0.650 03	0.230 04	1.08
527	-18.8	32.7	-11.5	0.180-02	0.300-01	-0.620-02	0.410 00	0.130 01	-0.410 00	0.500 04	0.640 03	0.230 04	1.04
528	3.9	26.2	14.7	0.500-02	0.250-01	0.760-02	0.570 00	0.120 01	0.800 00	0.440 04	0.150 04	0.220 04	1.15
529	-11.0	30.9	-14.8	0.190-02	0.290-01	-0.690-02	0.460 00	0.130 01	-0.570 00	0.400 04	0.510 03	0.230 04	1.10
530	6.4	19.5	22.0	0.470-02	0.170-01	0.150-01	0.730 00	0.100 01	0.900 00	0.370 04	0.240 04	0.210 04	1.20
531	-2.7	29.2	-19.0	0.150-02	0.170-01	-0.780-02	0.550 00	0.120 01	-0.770 00	0.450 04	0.140 04	0.220 04	1.24
532	-10.7	21.1	29.0	-0.840-03	0.750-02	0.130-01	0.600 00	0.110 01	0.840 00	0.420 04	0.170 04	0.220 04	1.00
533	5.4	25.5	-6.0	0.820-03	0.750-02	-0.400-02	0.440 00	0.130 01	-0.520 00	0.490 04	0.810 03	0.230 04	1.00
534	1.9	25.2	9.6	-0.990-03	0.390-02	0.400-02	0.480 00	0.130 01	0.620 00	0.470 04	0.100 04	0.230 04	1.00
535	13.4	23.4	-4.3	0.120-02	0.390-02	-0.230-02	0.490 00	0.120 01	-0.650 00	0.470 04	0.110 04	0.230 04	1.00

3 INCREMENTOS PLASTICOS COMPLETADOS

				[illegible]	[illegible]	1.46	16.10	2.35	72.82	0.00075417	-0.00011[illegible]	72.86
3	22	24	23	1.83	10.39	5.75	13.28	-1.00	63.32	0.00073146	-0.00012476	63.32
4	21	24	23	6.87	17.24	1.24	17.39	6.32	83.25	0.00087591	-0.00015030	83.25
5	23	24	44	2.52	16.55	2.50	16.99	2.47	79.91	0.00085510	-0.00002849	79.91
6	24	43	44	5.07	17.63	1.17	17.74	4.96	84.73	0.00091582	-0.00005558	84.73
7	44	43	45	3.05	17.28	1.39	17.41	2.91	84.46	0.00091757	-0.00000004	84.46
8	43	46	45	4.47	18.23	0.56	18.25	4.45	87.66	0.00094843	-0.00000665	87.66
9	45	46	65	3.18	18.00	0.86	18.05	3.13	86.69	0.00095014	-0.00000318	86.69
10	46	65	66	3.51	18.31	0.63	18.34	3.49	87.56	0.00096261	-0.00001362	87.56
11	66	65	67	3.22	18.26	0.74	18.30	3.19	87.19	0.00096322	-0.00000232	87.19
12	65	68	67	2.18	16.93	1.57	17.10	2.01	83.98	0.00090518	-0.00005468	83.98
13	67	68	88	3.01	17.08	1.09	17.16	2.93	85.61	0.00090350	-0.00000532	85.61
14	68	87	88	0.58	13.73	3.47	14.59	-0.28	76.11	0.00075508	-0.00015499	76.11
15	88	87	89	2.48	14.07	1.61	14.29	2.26	82.24	0.00075425	-0.00001400	82.24
16	87	90	89	-0.52	7.75	5.84	10.77	-3.54	62.66	0.00001853	-0.00025532	62.66
17	89	90	110	1.43	8.09	2.14	8.72	0.80	73.62	0.00046599	-0.00004024	73.62
18	90	109	111	4.71	14.87	12.09	22.91	-3.33	56.40	0.00127602	-0.00040628	56.40
19	109	112	111	1.95	22.10	8.32	25.09	-1.04	70.23	0.00137262	-0.00029704	70.23
20	109	112	111	1.95	22.10	8.32	25.09	-1.04	70.23	0.00137262	-0.00029704	70.23
21	111	112	140	3.45	22.37	-17.45	32.76	-6.95	-59.23	0.00184563	-0.00065117	-59.23
22	112	139	140	1.57	-3.14	-2.15	2.40	-3.97	-21.21	0.00016845	-0.00023817	-21.21
23	140	139	149	-0.62	-3.53	1.80	0.24	-4.39	25.56	0.00005500	-0.00024648	25.56
24	139	150	149	2.33	-0.68	-0.38	2.38	-0.73	-7.00	0.00013598	-0.00000226	-7.00
25	149	150	178	-0.20	-1.13	1.11	0.94	-1.86	33.61	0.00004697	-0.00010629	33.61
26	150	177	178	1.47	0.52	-0.15	1.50	0.50	-8.61	0.00007651	0.00001268	-8.61
27	178	177	187	0.05	0.27	0.71	0.88	-0.56	49.39	0.00005323	-0.00003512	49.39
28	177	188	187	0.68	-1.07	0.13	1.11	0.64	73.02	0.00005441	0.00002351	73.02
29	187	188	208	0.17	0.98	0.58	1.28	-0.13	62.57	0.00007096	-0.00001905	62.57
30	188	207	208	0.45	1.15	0.43	1.36	0.24	64.54	0.00007129	0.00000025	64.54
31	208	207	209	0.20	1.11	0.51	1.33	-0.03	65.98	0.00007256	-0.00001441	65.98
32	207	210	209	0.50	1.05	0.49	1.33	0.21	59.73	0.00007036	-0.00000115	59.73
33	209	210	230	0.18	0.99	0.42	1.17	-0.00	67.19	0.00006346	-0.00001121	67.19
34	210	229	230	0.52	0.91	0.41	1.17	0.26	57.95	0.00006075	0.00000305	57.95
35	230	229	231	0.15	0.85	0.32	0.97	0.03	68.87	0.00005234	-0.00000781	68.87
36	229	232	231	0.47	0.78	0.23	0.90	0.35	61.71	0.00004537	0.00001054	61.71
37	231	232	252	0.13	0.71	0.17	0.76	0.08	74.77	0.00004055	-0.00000301	74.77
38	232	251	252	0.44	0.75	0.05	0.76	0.43	81.35	0.00003715	0.00001627	81.35
39	252	251	253	0.12	0.70	0.04	0.70	0.12	85.85	0.00003687	-0.00000015	85.85
40	251	254	253	0.43	1.06	-0.21	1.12	0.37	-73.14	0.00005724	0.00000522	-73.14
41	253	254	274	0.18	1.01	-0.13	1.03	0.18	-81.28	0.00005449	-0.00000129	-81.28
42	254	273	274	0.49	1.41	-0.46	1.60	0.30	-67.49	0.00008394	0.00000056	-67.49
43	274	273	275	0.24	1.36	-0.40	1.49	0.11	-72.11	0.00006013	-0.00000835	-72.11
44	273	276	275	0.88	1.85	-1.09	2.56	0.17	-56.90	0.00013752	-0.00001537	-56.90
45	275	276	296	0.31	1.75	-1.04	2.29	-0.23	-62.40	0.00012653	-0.00002460	-62.39
46	276	295	296	1.83	3.08	-2.83	5.36	-0.44	-51.20	0.00029515	-0.00007537	-51.20
47	296	295	297	0.50	2.84	-2.68	4.60	-1.25	-56.80	0.00026178	-0.00011211	-56.80
48	295	298	297	3.82	4.77	-6.67	10.99	-2.39	-47.04	0.00001565	-0.00023514	-47.04
49	297	298	318	0.75	4.23	-6.48	9.20	-4.22	-52.52	0.00054016	-0.00031755	-52.52
50	298	317	318	7.05	-5.22	-15.15	17.27	-15.42	-33.98	0.00108555	-0.00100353	-33.98
51	2	3	21	7.52	0.08	9.35	13.86	-6.26	34.14	0.00003599	-0.00037007	34.14
52	3	20	21	17.59	13.94	0.30	17.61	13.91	4.69	0.00064418	0.00045918	4.69
53	21	20	24	7.01	12.07	3.54	13.89	5.15	62.77	0.00055153	0.00011648	62.77
54	20	25	24	11.28	17.01	-0.23	17.02	11.27	-87.67	0.00063863	0.00035138	-87.67
55	24	25	43	5.32	15.95	1.99	16.31	4.98	79.75	0.00065412	0.00000850	79.75
56	25	42	43	7.66	17.04	0.55	17.07	7.63	86.62	0.00066615	0.00019629	86.62
57	43	42	46	4.51	16.48	0.67	16.52	4.47	86.78	0.00066845	0.00006628	86.78
58	42	47	46	6.79	18.34	-0.77	18.39	6.74	-86.15	0.00073106	0.00014849	-86.15
59	46	47	65	3.49	17.76	0.09	17.76	3.45	89.65	0.00072851	0.00001531	89.65
60	47	64	65	5.85	19.22	-1.26	19.32	5.77	-84.64	0.00077840	0.00010034	-84.64
61	65	64	68	2.24	18.57	-0.06	18.57	2.24	-85.79	0.00077248	-0.00004409	-85.79
62	64	69	68	4.83	19.10	-1.15	19.19	4.74	-85.42	0.00078012	-0.00005733	-85.42
63	68	69	87	0.89	18.60	0.63	18.43	0.97	87.94	0.00077665	-0.00001134	87.94
64	69	86	87	3.61	17.40	0.76	17.45	3.58	86.88	0.00071408	0.00002067	86.88
65	87	86	90	0.56	16.87	2.16	17.15	0.28	82.59	0.00072663	-0.00011655	82.59

[illegible]	[illegible]	[illegible]	[illegible]	1.04	14.91	8.83	18.35	-4.38	66.45	0.00002329	-0.00003371	66.45
69	109	108	112	0.13	14.88	5.30	16.58	-1.57	72.16	0.00071652	-0.00015121	72.16
70	108	113	112	-4.33	10.09	8.87	14.31	-8.56	64.55	0.00007235	-0.00047053	64.55
71	112	113	139	6.77	11.70	-6.11	19.25	1.22	-59.77	0.00003920	-0.00006217	-59.77
72	113	138	139	0.75	0.67	1.06	1.77	-0.35	43.86	0.00007782	-0.00002807	43.86
73	139	139	150	3.33	1.12	-2.36	4.84	-0.38	-32.50	0.00020838	-0.00005256	-32.50
74	138	151	150	2.06	0.17	-1.59	2.96	-0.73	-29.57	0.00013127	-0.00005340	-29.57
75	150	151	177	1.79	0.12	-1.26	2.47	-0.50	-28.26	0.00010561	-0.00004236	-28.26
76	151	176	177	0.35	1.34	-1.74	2.66	-0.96	-52.94	0.00012009	-0.00006064	-52.94
77	177	176	188	0.88	1.44	-0.26	1.54	0.78	-68.57	0.00005954	0.00002142	-68.57
78	176	189	188	0.48	1.72	-0.36	1.81	0.38	-75.05	0.00007426	0.00000255	-75.05
79	188	189	207	0.62	1.74	0.34	1.84	0.52	74.44	0.00007421	0.00000866	74.44
80	189	206	207	0.83	1.29	0.57	1.67	0.44	55.98	0.00006786	0.00000620	55.98
81	207	206	210	0.62	1.25	0.44	1.48	0.39	62.73	0.00005997	0.00000562	62.73
82	206	211	210	0.97	0.94	0.56	1.52	0.29	44.22	0.00006176	0.00000530	44.22
83	210	211	229	0.61	0.88	0.35	1.12	0.37	55.44	0.00004492	0.00000716	55.44
84	211	228	229	0.87	0.73	0.39	1.20	0.40	40.25	0.00004796	0.00000803	40.25
85	229	228	232	0.55	0.66	0.23	0.85	0.38	52.78	0.00003336	0.00000570	52.78
86	228	233	232	0.68	0.62	0.20	0.86	0.44	40.66	0.00003305	0.00001245	40.66
87	232	233	251	0.50	0.59	0.11	0.66	0.43	56.27	0.00002477	0.00001316	56.27
88	233	250	251	0.58	0.59	0.08	0.66	0.51	47.76	0.00002435	0.00001665	47.76
89	251	250	254	0.41	0.56	-0.03	0.57	0.40	-77.81	0.00002126	0.00001288	-77.81
90	250	255	254	0.60	0.98	-0.21	1.07	0.56	-66.18	0.00004190	0.00001331	-66.18
91	254	255	273	0.48	0.96	-0.08	0.97	0.46	-80.43	0.00003754	0.00001241	-80.43
92	255	272	273	0.67	1.22	-0.29	1.35	0.55	-66.82	0.00005306	0.00001326	-66.82
93	273	272	276	0.93	1.27	-0.26	1.41	0.79	-61.45	0.00005390	0.00002321	-61.45
94	272	277	276	1.30	1.35	-0.66	1.99	0.66	-45.99	0.00007966	0.00001330	-45.99
95	276	277	295	1.91	1.46	-0.78	2.49	0.87	-36.94	0.00005532	0.00001840	-36.94
96	277	294	295	2.96	2.01	-2.04	4.58	0.38	-38.47	0.00019168	-0.00001755	-38.47
97	295	294	298	4.20	2.23	-2.04	5.48	0.95	-32.09	0.00022591	-0.00000086	-32.09
98	294	299	298	7.39	2.49	-6.01	11.43	-1.55	-33.89	0.00049728	-0.00015153	-33.89
99	298	299	317	10.73	3.08	-3.89	12.37	1.44	-22.74	0.00051471	-0.00003135	-22.74
100	299	316	317	-16.84	1.13	-11.69	23.06	-5.10	-28.05	0.00101847	-0.00038563	-28.05
101	3	4	20	4.83	2.13	5.62	9.26	-2.30	38.26	0.00156008	-0.00084121	38.26
102	4	19	20	12.91	13.38	-0.32	13.55	12.74	-63.18	0.00145292	0.00126559	-63.18
103	20	19	25	5.94	11.06	1.31	11.38	5.62	76.45	0.00148463	0.00028608	76.45
104	19	24	25	9.25	17.11	-0.76	17.19	9.17	-84.54	0.00220771	0.00052816	-84.54
105	25	26	42	6.69	16.26	0.34	16.27	6.68	87.96	0.00219514	0.00015539	87.96
106	26	41	42	7.00	16.43	0.14	16.43	7.00	89.17	0.00220243	0.00023780	89.17
107	42	41	47	6.37	16.22	0.03	16.22	6.37	89.83	0.00220203	0.00015101	89.83
108	41	48	47	8.25	18.15	-1.01	18.25	8.15	-84.21	0.00242534	0.00032871	-84.21
109	47	48	64	6.53	17.56	-0.59	17.59	6.50	-86.96	0.00241046	0.00005978	-86.96
110	48	63	64	8.19	19.39	-1.50	17.59	8.00	-82.52	0.00264394	0.00022930	-82.52
111	64	63	69	6.69	18.89	-0.90	18.96	6.63	-85.82	0.00261668	0.00004830	-85.82
112	63	70	69	7.82	20.60	-1.54	20.78	7.63	-83.22	0.00284951	0.00011047	-83.22
113	69	70	86	6.91	20.30	-0.55	20.32	6.89	-87.63	0.00281610	0.00001756	-87.63
114	70	85	86	6.74	20.69	-0.61	20.72	6.72	-87.49	0.00288754	-0.00002947	-87.49
115	86	85	91	6.76	20.70	0.52	20.72	6.74	87.88	0.00288595	-0.00002576	87.88
116	85	92	91	4.94	19.26	1.33	19.38	4.81	84.73	0.00277796	-0.00025730	84.73
117	91	92	108	5.23	19.36	1.88	19.61	4.98	82.53	0.00280385	-0.00024270	82.53
118	92	107	108	2.01	15.01	4.68	16.51	0.50	72.13	0.00255396	-0.00078127	72.13
119	108	107	113	3.50	15.50	1.98	15.87	3.15	80.87	0.00230619	-0.00032618	80.87
120	107	114	113	0.26	5.49	5.29	8.78	-3.03	58.14	0.00152574	-0.00053013	58.14
121	113	114	124	0.46	5.69	3.66	7.66	-1.12	61.71	0.00125525	-0.00057340	61.71
122	113	124	138	0.35	0.54	0.16	0.63	0.27	60.61	0.00008447	0.00000834	60.61
123	124	137	138	0.27	-3.20	2.73	1.77	-4.70	28.73	0.00052092	-0.00082627	28.73
124	138	137	143	3.38	-2.17	-1.50	3.76	-2.55	-14.20	0.00072075	-0.00059401	-14.20
125	138	143	151	-0.25	-2.41	-1.44	0.47	-2.13	-26.57	0.00023626	-0.00051325	-26.57
126	143	152	151	-0.37	0.45	-3.41	3.47	-3.39	-48.40	0.00071524	-0.00071118	-48.40
127	151	152	162	-1.13	0.19	-2.69	2.30	-3.24	-51.91	0.00052032	-0.00062679	-51.91
128	151	162	176	0.90	2.61	-1.16	3.19	0.32	-63.20	0.00048222	-0.00011679	-63.20
129	162	175	176	-0.94	2.84	-1.43	3.13	-1.13	-71.10	0.00058963	-0.00038101	-71.10
130	176	175	184	-0.54	2.94	-0.41	2.99	-0.59	-83.44	0.00049767	-0.00024724	-83.44
131	176	184	189	1.17	3.37	-0.22	3.39	1.15	-84.30	0.00046975	0.00000275	-84.30

115	206	205	211	0.55	1.33	0.23	1.40	0.55	72.71	0.00018818	0.00001939	72.71
136	205	212	211	0.62	0.80	0.37	1.09	0.32	51.86	0.00015398	-0.00000070	51.86
137	211	212	220	0.45	0.74	0.16	0.81	0.38	66.36	0.00010731	0.00001675	66.38
138	212	227	220	0.46	0.60	0.19	0.74	0.33	55.11	0.00009785	0.00001305	55.11
139	220	227	233	0.34	0.56	0.11	0.61	0.30	68.13	0.00007895	0.00001550	68.13
140	227	234	233	0.35	0.55	0.10	0.59	0.30	66.82	0.00007658	0.00001658	66.82
141	233	234	250	0.31	0.53	0.08	0.56	0.28	72.84	0.00007225	0.00001518	72.84
142	234	249	250	0.38	0.49	0.04	0.49	0.36	68.24	0.00005625	0.00003106	68.24
143	250	249	255	0.26	0.44	-0.03	0.44	0.26	-81.86	0.00005528	0.00001720	-81.86
144	249	256	255	0.49	0.97	-0.14	1.01	0.45	-74.55	0.00013420	0.00001790	-74.55
145	255	256	272	0.44	0.95	-0.05	0.96	0.44	-84.16	0.00012707	0.00001830	-84.16
146	256	271	272	0.55	1.16	-0.13	1.19	0.53	-78.04	0.00015837	0.00002033	-78.04
147	272	271	277	0.59	1.21	-0.11	1.23	0.67	-78.25	0.00015729	0.00004045	-78.25
148	271	278	277	0.83	1.09	-0.35	1.34	0.50	-55.32	0.00017507	0.00002103	-55.32
149	277	278	294	1.10	1.19	-0.41	1.56	0.72	-47.90	0.00020498	0.00003347	-47.90
150	278	293	294	1.57	1.29	-1.16	2.58	0.24	-40.95	0.00035064	-0.00005727	-40.95
151	294	293	299	2.40	1.52	-1.16	3.20	0.72	-34.61	0.00046109	-0.00005376	-34.61
152	293	300	299	3.69	1.41	-3.35	6.09	-0.59	-35.61	0.00100311	-0.00047202	-35.61
153	299	300	316	5.16	1.90	-2.79	6.76	0.30	-29.04	0.00104027	-0.00030497	-29.04
154	300	315	316	10.01	5.64	-9.05	17.14	-1.48	-38.21	0.00275528	-0.00112421	-38.21
155	4	5	19	15.72	2.38	1.02	15.79	2.30	4.37	0.00132819	-0.00014357	4.37
156	5	18	19	20.69	13.60	-2.91	21.73	12.50	-15.69	0.00162289	-0.00062174	-19.69
157	19	18	26	9.01	10.68	-0.36	10.75	8.94	78.46	0.00074335	-0.00054534	78.46
158	18	27	26	12.40	17.77	-2.42	18.70	11.47	-68.97	0.00138155	-0.00059316	-68.97
159	26	27	41	6.82	16.37	0.49	16.40	6.80	87.06	0.00128280	-0.00023945	87.06
160	27	40	41	5.95	15.99	1.15	16.12	5.82	83.57	0.00127990	-0.00015637	83.57
161	41	40	48	8.15	16.54	0.29	16.55	8.14	88.03	0.00126690	0.00024900	88.03
162	40	49	48	10.94	18.09	-1.38	18.35	10.68	-79.45	0.00136830	-0.00053184	-79.44
163	48	49	63	7.40	17.21	-0.95	17.30	7.31	-84.51	0.00135021	-0.00028022	-84.51
164	49	62	63	9.27	19.81	-2.25	20.27	8.81	-78.42	0.00157697	-0.00032651	-78.41
165	63	62	70	6.48	19.11	-1.18	19.22	6.37	-84.72	0.00153839	-0.00013678	-84.72
166	62	71	70	9.61	21.90	-3.17	22.67	8.84	-76.35	0.00178537	-0.00027659	-76.35
167	70	71	85	4.91	20.72	-1.07	20.79	4.83	-86.13	0.00170529	-0.00003183	-86.13
168	71	84	85	11.19	23.57	-3.81	24.65	10.11	-74.17	0.00193653	-0.00034475	-74.17
169	85	84	92	2.71	21.44	-0.56	21.46	2.69	-88.30	0.00181430	-0.00023351	-88.30
170	84	93	92	12.21	24.78	-4.41	26.17	10.82	-72.48	0.00204832	0.00037295	-72.48
171	92	93	107	0.09	21.75	1.73	21.89	-0.05	85.46	0.00191151	-0.00048213	85.46
172	93	106	107	10.58	17.20	5.15	20.01	7.77	61.37	0.00157653	0.00024197	61.37
173	107	106	114	0.89	14.77	0.65	14.81	0.80	87.32	0.00127337	-0.00024814	87.32
174	106	115	114	-5.67	4.70	5.64	7.17	-8.15	66.29	0.00060388	-0.00066765	66.29
175	114	115	123	-26.69	-0.56	3.77	-0.03	-27.22	81.96	0.00055160	-0.00237500	81.96
176	114	123	124	-0.66	5.79	0.14	4.80	-0.67	88.52	0.00043327	-0.00016259	88.52
177	123	125	124	-8.76	-0.16	4.17	1.53	-10.45	67.96	0.00036135	-0.00054536	67.96
178	124	125	129	-27.28	-4.79	7.94	-2.27	-29.80	72.39	0.00045234	-0.00255107	72.39
179	124	129	137	2.54	0.54	0.57	2.69	0.39	14.90	0.00022617	-0.00002480	14.90
180	129	136	137	-9.08	-11.50	11.08	0.86	-21.44	41.89	0.00054268	-0.00188576	41.89
181	137	136	142	-31.49	-17.10	20.75	-2.33	-46.25	54.56	0.00080556	-0.00385584	54.56
182	137	142	143	3.59	-15.05	-4.74	4.73	-16.18	-13.48	0.00076559	-0.00151556	-13.48
183	142	144	143	-11.17	-3.46	-17.19	10.30	-24.93	-51.32	0.00144306	-0.00240083	-51.32
184	143	144	148	-24.27	-6.74	-9.73	-2.41	-28.60	-66.02	0.00041371	-0.00244320	-66.01
185	143	148	152	-0.83	0.39	-3.80	3.63	-4.07	-49.54	0.00040570	-0.00043442	-49.54
186	148	153	152	-0.78	3.88	-7.15	9.07	-5.97	-54.02	0.00092175	-0.00011866	-54.02
187	152	153	161	-18.03	-0.43	-3.91	0.40	-18.86	-78.02	0.00044612	-0.00165451	-78.01
188	152	161	162	-1.05	4.20	-1.67	4.69	-1.58	-73.88	0.00044334	-0.00023956	-73.88
189	161	163	162	3.51	6.37	-3.34	8.57	1.21	-56.61	0.00071556	-0.00027301	-56.61
190	162	163	167	-15.64	1.58	-1.53	1.72	-15.78	-84.95	0.00049429	-0.00141461	-84.95
191	162	167	175	-1.71	5.15	-0.48	5.18	-1.54	-86.05	0.00049480	-0.00028223	-86.05
192	167	174	175	5.25	6.81	-1.43	7.66	4.40	-59.31	0.00097255	0.00021646	-59.31
193	175	174	179	-15.48	1.63	0.19	1.63	-15.49	85.37	0.00048003	-0.00138657	89.37
194	175	179	184	-1.42	5.19	0.92	5.32	-1.55	82.26	0.00049774	-0.00025165	82.26
195	179	183	184	5.25	6.34	3.42	6.49	5.11	71.27	0.00045394	0.00030457	71.27
196	184	183	185	-17.68	0.60	2.53	0.95	-18.03	82.27	0.00047594	-0.00155387	82.27
197	184	185	190	-0.47	4.46	1.38	4.82	-0.83	75.35	0.00043883	-0.00017750	75.35

201	205	204	212	0.42	0.78	0.07	0.80	0.72	2.21	37.42	0.00006075	0.00004387	37.42
202	204	213	212	0.37	0.60	0.26	0.77	0.20	56.87	0.00006311	0.00000040		56.87
203	212	213	227	0.63	0.67	-0.07	0.72	0.56	-51.54	0.00005047	0.00002475		-51.54
204	213	226	227	0.16	0.53	0.11	0.56	0.13	74.03	0.00004611	-0.00000128		74.03
205	227	226	234	0.45	0.60	-0.05	0.61	0.43	-73.77	0.00004406	0.00002434		-73.77
206	226	235	234	0.10	0.54	0.14	0.59	0.06	73.44	0.00004936	-0.00000748		73.44
207	234	235	249	0.36	0.65	0.14	0.75	0.46	54.22	0.00005548	0.00002466		54.22
208	235	248	249	0.52	0.37	0.19	0.65	0.23	34.43	0.00005162	0.00000620		34.43
209	249	248	256	0.38	0.33	-0.14	0.51	0.21	-40.13	0.00003948	0.00000740		-40.13
210	248	257	256	0.51	1.00	-0.20	1.08	0.43	-70.40	0.00008446	0.00001440		-70.40
211	256	257	271	0.55	1.02	0.04	1.02	0.55	84.85	0.00007659	0.00002584		84.85
212	257	270	271	0.64	1.12	-0.06	1.12	0.62	-83.48	0.00008429	0.00003044		-83.48
213	271	270	278	1.14	1.24	0.02	1.25	1.13	77.88	0.00008415	0.00007164		77.88
214	270	279	278	1.14	0.88	-0.09	1.16	0.87	-16.82	0.00008292	0.00004930		-16.82
215	278	279	293	2.37	1.19	-0.21	2.40	1.15	-9.80	0.00018471	0.00004815		-9.80
216	279	292	293	2.44	0.66	-0.52	2.58	0.52	-15.22	0.00021370	-0.00001131		-15.22
217	293	292	300	6.16	1.59	-0.48	6.21	1.54	-5.94	0.00050836	-0.00000126		-5.94
218	292	301	300	6.48	-0.12	-1.67	6.88	-0.51	-13.41	0.00061157	-0.00019503		-13.41
219	300	301	315	15.07	2.03	-1.09	15.16	1.94	-4.73	0.00128049	-0.00016144		-4.73
220	301	314	315	18.59	7.90	-5.23	20.72	5.76	-22.18	0.00168274	0.00005054		-22.19
221	5	6	18	7.25	3.31	-3.13	8.98	1.58	-28.52	0.00217219	-0.00066298		-28.92
222	6	17	18	4.05	8.45	-3.01	9.98	2.52	-63.07	0.00367381	0.00016852		-48.89
223	18	17	27	-3.92	9.62	-1.56	10.02	3.52	-75.64	0.00276575	0.00006156		-61.06
224	17	28	27	-2.08	11.35	-2.68	11.86	-2.60	-79.12	0.00768431	0.00011154		-67.40
225	27	28	40	-2.14	10.82	-1.07	10.90	-2.23	-85.32	0.00695598	-0.00021921		-76.52
226	28	39	40	-10.80	13.84	-4.25	14.56	-11.51	-80.45	0.01379126	-0.00031951		-73.93
227	40	39	49	-8.60	13.55	-1.97	13.72	-8.78	-84.96	0.01314364	0.00012646		-79.49
228	39	50	49	-14.60	14.95	-3.53	15.36	-15.01	-83.28	0.01714066	-0.00026902		-78.16
229	49	50	62	-12.89	14.65	-1.76	14.77	-13.01	-96.35	0.01672538	0.00005532		-82.07
230	50	61	62	-18.06	15.86	-3.02	16.12	-18.32	-84.96	0.02021607	-0.00026484		-80.62
231	62	61	71	-16.15	15.30	-1.45	15.37	-16.22	-87.36	0.01990218	0.00012541		-83.73
232	61	72	71	-20.91	16.73	-2.72	16.92	-21.10	-85.89	0.02362382	-0.00021234		-82.52
233	71	72	84	-18.47	15.74	-1.24	15.78	-18.52	-87.52	0.02278148	0.00031146		-85.29
234	72	83	84	-22.66	17.31	-2.92	17.52	-22.88	-85.85	0.02515896	-0.00012544		-83.58
235	84	83	93	-19.65	14.98	-0.66	14.99	-19.66	-88.91	0.02492212	0.00044511		-86.74
236	83	94	93	-25.14	16.73	-3.24	16.98	-25.38	-85.00	0.02753285	-0.00014086		-84.66
237	93	94	106	-23.11	20.16	0.07	20.16	-23.11	89.90	0.02769046	0.00054194		89.75
238	94	105	106	-32.31	18.43	-4.06	18.76	-32.64	-85.45	0.03173492	-0.00086628		-84.14
239	115	116	123	7.02	21.66	-0.11	21.66	7.02	-85.57	0.03793129	-0.00232081		89.44
240	116	122	123	6.64	21.73	-0.62	21.75	6.61	-87.66	0.03825446	-0.00283487		-88.28
241	125	126	129	6.80	21.75	-0.09	21.75	6.79	-89.65	0.03925151	-0.00225384		88.82
242	126	128	129	6.34	21.85	-0.65	21.87	6.31	-87.60	0.03957857	-0.00253221		-88.97
243	136	135	142	6.48	21.95	0.17	21.96	6.48	89.38	0.04011531	-0.00251465		86.72
244	135	141	142	5.54	22.16	-0.34	22.16	5.54	-88.84	0.04035336	-0.00388771		89.13
245	144	145	148	6.15	21.83	-0.92	21.89	6.10	-86.64	0.04359463	-0.00217659		-86.15
246	145	147	148	6.14	21.86	-0.63	21.88	6.12	-87.72	0.04312180	-0.00227286		-88.14
247	153	154	161	6.64	21.71	-0.79	21.75	6.60	-87.01	0.04255244	-0.00170211		-86.80
248	154	160	161	6.66	21.69	-0.87	21.74	6.61	-86.71	0.04250029	-0.00165505		-87.01
249	163	164	167	6.72	21.69	-0.74	21.72	6.69	-87.17	0.04276786	-0.00151138		-87.12
250	164	166	167	6.80	21.64	-1.09	21.71	6.73	-86.15	0.04250333	-0.00138824		-86.31
251	174	173	179	6.55	21.74	-0.72	21.77	6.51	-87.30	0.04384527	-0.00147885		-87.42
252	173	180	179	6.62	21.68	-1.17	21.77	6.53	-85.58	0.04432553	-0.00133155		-85.55
253	183	182	185	6.87	21.87	-0.70	21.90	6.84	-87.49	0.04552219	-0.00162741		-87.79
254	182	186	185	5.96	21.82	-1.45	21.96	5.83	-84.83	0.04682614	-0.00169815		-84.55
255	191	192	204	-0.02	0.10	-0.00	0.10	-0.02	-87.72	0.04947017	0.00001572		-87.61
256	192	203	204	-0.03	0.10	-0.01	0.10	-0.02	-85.56	0.05425024	-0.00007175		-85.70
257	204	203	213	-0.02	0.10	-0.00	0.10	-0.02	-88.08	0.05400546	-0.00009602		-87.96
258	203	214	213	-0.03	0.10	-0.01	0.10	-0.02	-87.13	0.05681115	-0.00055958		-87.15
259	213	214	226	-0.03	0.10	-0.00	0.10	-0.02	-88.50	0.05671039	-0.00003929		-88.45
260	214	225	226	-0.04	0.10	-0.00	0.10	-0.04	-88.24	0.05828590	-0.00015483		-88.25
261	226	225	235	-0.03	0.10	-0.00	0.10	-0.02	-89.05	0.05824233	-0.00002154		-88.96
262	225	236	235	-0.04	0.10	-0.00	0.10	-0.04	-89.45	0.05894244	-0.00013181		-89.49
263	235	236	246	-0.06	0.10	0.05	0.12	-0.06	73.40	0.00475594	-0.00055520		73.40

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267	257	258	270	0.24	1.00	0.03	1.00	0.24	81.12	0.01332840	-0.00000492	88.51
268	258	269	270	0.32	1.04	0.06	1.05	0.32	85.45	0.01182787	-0.00011058	86.20
269	270	269	279	0.32	1.04	0.03	1.04	0.32	81.72	0.01168620	0.00003759	88.17
270	269	280	279	0.47	1.00	0.03	1.00	0.46	86.96	0.02467757	0.00111516	86.95
271	279	280	292	0.43	1.00	-0.02	1.00	0.43	-87.94	0.02464258	0.00110034	-87.93
272	280	291	292	0.46	1.00	-0.05	1.01	0.45	-84.71	0.02477096	0.00059098	-84.69
273	292	291	301	0.45	1.00	-0.05	1.01	0.44	-84.80	0.02476598	0.00036015	-84.78
274	291	302	301	0.27	0.55	-0.04	0.56	0.26	-82.98	0.01357002	0.00064251	-82.95
275	301	302	314	0.25	0.57	-0.06	0.58	0.28	-77.45	0.01400095	0.00082467	-77.42
276	302	313	315	0.06	0.03	-0.03	0.08	0.01	-30.55	0.00224121	-0.00078553	-30.63
277	6	7	17	24.04	20.54	-7.65	30.14	14.44	-38.56	0.00231501	0.00080255	-38.50
278	7	16	17	19.51	13.50	-4.54	21.15	11.86	-24.05	0.00158750	0.00057349	-24.05
279	17	16	28	17.33	12.05	-5.41	20.98	9.30	-34.06	0.00162785	0.00035926	-34.00
280	16	29	28	16.42	18.58	-3.42	21.07	13.91	-53.72	0.00153686	0.00075467	-53.72
281	28	29	39	13.17	17.76	-7.00	22.83	8.05	-54.68	0.00181628	0.00020806	-54.08
282	29	38	39	12.12	17.87	-6.22	21.85	8.14	-57.42	0.00172900	0.00023411	-57.41
283	39	38	50	9.63	17.29	-4.49	19.29	7.58	-65.30	0.00151848	0.00024015	-65.30
284	38	51	50	10.91	20.01	-5.40	22.50	6.32	-65.20	0.00178255	0.00023498	-65.20
285	50	51	61	8.02	19.31	-3.54	20.33	7.00	-73.94	0.00162165	0.00016733	-73.94
286	51	60	61	9.24	22.10	-4.52	23.53	7.81	-72.45	0.00188302	0.00016820	-72.45
287	61	60	72	7.49	21.66	-2.41	22.06	7.05	-80.61	0.00177062	0.00013782	-80.60
288	60	73	72	7.86	24.30	-2.91	24.80	7.36	-80.25	0.00200408	0.00010085	-80.25
289	72	73	83	8.28	24.41	-1.73	24.59	8.10	-83.92	0.00156959	0.00017025	-83.93
290	73	82	83	6.34	26.03	-1.64	26.17	6.20	-85.28	0.00214859	-0.00002950	-85.27
291	83	82	94	7.77	26.39	-0.83	26.43	7.72	-87.47	0.00213779	0.00005807	-87.47
292	82	95	94	4.31	30.53	-1.03	30.57	4.27	-87.76	0.00257461	0.00029443	-87.76
293	94	95	105	1.17	29.74	-8.06	31.86	-0.54	-75.28	0.00280133	-0.00077758	-75.28
294	95	104	105	3.17	26.16	-5.37	27.35	1.97	-77.47	0.00234425	-0.00042462	-77.47
295	105	104	116	-0.56	23.23	-5.74	24.23	-9.56	-80.08	0.00232342	-0.00136309	-80.08
296	104	117	116	3.79	20.10	-8.50	22.73	0.17	-66.90	0.00200694	-0.00050300	-66.90
297	116	117	122	-29.09	11.88	1.94	11.97	-29.18	87.29	0.00168131	-0.00280759	87.29
298	117	127	122	6.83	22.85	-7.34	25.70	3.97	-68.75	0.00215632	-0.00021419	-68.75
299	122	127	126	-13.84	27.90	-0.63	27.91	-13.85	-89.13	0.00273750	-0.00181743	-89.13
300	126	127	128	-27.31	24.53	-0.84	24.54	-27.32	-89.07	0.00273795	-0.00291552	-89.07
301	127	134	128	10.91	37.48	-15.84	44.87	3.52	-64.99	0.00383941	-0.00067156	-64.99
302	128	134	135	-18.33	51.96	3.57	52.14	-18.51	87.10	0.00520897	-0.00268346	87.05
303	135	134	141	-31.54	51.56	1.25	51.58	-31.56	89.14	0.00519605	-0.00387949	89.14
304	134	146	141	-1.90	10.37	9.73	15.74	-7.26	61.11	0.00153184	-0.00097736	61.11
305	141	146	149	-12.26	13.54	2.46	13.77	-12.49	84.59	0.00147447	-0.00135064	84.59
306	145	146	147	-22.77	10.91	11.73	14.60	-26.45	72.57	0.00145105	-0.00262605	72.56
307	146	155	147	0.99	19.64	-0.28	19.64	0.99	-89.14	0.00169278	-0.00034252	-89.14
308	147	155	154	1.46	25.61	5.41	26.77	0.31	77.93	0.00232531	-0.00055718	77.93
309	154	155	160	-12.52	22.11	2.64	22.31	-12.72	85.66	0.00222502	-0.00159700	85.66
310	155	165	160	0.35	26.57	-2.77	26.86	0.06	-84.04	0.00234241	-0.00058062	-84.04
311	160	165	164	10.05	29.82	-0.52	29.83	10.07	-88.48	0.00238364	0.00022813	-88.48
312	164	165	166	-7.45	25.43	-1.22	25.48	-7.49	-87.88	0.00238704	-0.00120564	-87.88
313	165	172	166	-0.29	28.00	-4.58	28.72	-1.01	-81.03	0.00252862	-0.00071494	-81.03
314	166	172	173	14.54	29.93	-4.05	30.94	13.54	-76.11	0.00240457	0.00050665	-76.11
315	173	172	180	-5.91	24.82	-4.71	25.53	-6.62	-81.48	0.00237227	-0.00113437	-81.48
316	172	181	180	-3.63	26.79	-7.50	28.71	-2.54	-75.66	0.00256114	-0.00084839	-75.66
317	180	181	192	15.38	26.97	-8.77	31.69	10.66	-61.72	0.00253252	0.00023928	-61.72
318	182	181	186	-9.24	20.81	-11.13	24.48	-12.91	-71.74	0.00241845	-0.00166105	-71.74
319	181	193	186	3.25	23.38	-9.39	27.09	-6.45	-68.49	0.00237375	-0.00063044	-68.49
320	186	193	192	12.25	15.39	-17.88	31.77	-4.13	-47.51	0.00286276	-0.00105366	-47.50
321	192	193	203	-1.15	12.04	-6.75	14.88	-3.99	-67.16	0.00138583	-0.00067300	-67.16
322	193	202	203	1.67	9.03	-6.39	11.99	-2.25	-58.22	0.00105647	-0.00046165	-58.22
323	203	202	214	-7.96	5.62	-0.71	5.66	-8.00	-87.00	0.00066830	-0.00062131	-87.00
324	202	215	214	1.19	6.30	-3.66	8.21	-6.72	-62.45	0.00073207	-0.00024159	-62.45
325	214	215	225	-10.60	3.35	0.71	3.39	-10.64	87.08	0.00052762	-0.00100245	87.08
326	215	224	225	-0.69	5.45	-2.39	6.59	-1.84	-68.37	0.00061548	-0.00030421	-68.37
327	225	224	236	-10.83	2.91	1.78	3.14	-11.06	82.72	0.00051530	-0.00103368	82.72
328	224	237	236	-5.11	4.72	-2.95	5.47	-3.87	-73.48	0.00056212	-0.00045670	-73.48
329	236	237	247	-11.76	2.56	2.30	2.92	-12.12	81.08	0.00051515	-0.00112122	81.08

333	258	259	269	7.07	2.44	-1.47	2.80	-2.51	-13.44	0.00031572	-0.00028160	-73.64
334	259	268	269	1.57	5.35	3.16	5.75	-0.61	52.80	0.00051544	-0.00019585	52.80
335	269	269	280	4.05	1.41	-1.36	4.66	0.04	-22.72	0.00038600	-0.00002800	-22.72
336	268	281	280	14.56	4.03	6.47	16.33	2.20	20.79	0.00137605	-0.00015921	20.79
337	280	281	291	14.83	21.16	9.38	27.90	8.09	54.32	0.00225810	0.00005759	54.32
338	281	290	291	14.41	21.05	-8.44	26.82	8.65	-55.73	0.00215178	0.00016537	-55.73
339	291	290	302	8.41	-0.36	-5.52	11.08	-3.01	-25.80	0.00103262	-0.00050466	-25.80
340	290	303	302	9.58	-0.05	4.26	11.19	-1.66	20.74	0.00101328	-0.00038540	20.74
341	302	303	313	14.05	8.49	-0.60	14.12	8.42	-6.13	0.00164823	0.00042769	-6.13
342	303	312	313	19.11	9.75	2.42	19.70	9.16	13.68	0.00151955	0.00036968	13.68
343	7	8	16	21.03	26.41	5.02	29.42	18.03	59.68	0.00217413	0.00053127	59.68
344	8	15	16	14.10	15.24	-8.17	22.86	6.48	-47.01	0.00323521	-0.00017851	-47.01
345	16	15	29	9.30	13.50	-4.99	16.31	5.59	-56.42	0.00221446	0.00006038	-56.42
346	15	30	29	11.30	14.17	-6.40	19.29	6.18	-51.31	0.00269273	-0.00003980	-51.31
347	29	30	38	10.50	18.09	-5.60	21.06	7.53	-62.07	0.00289835	0.00007923	-62.07
348	30	37	38	10.28	18.02	-6.73	21.91	6.39	-59.95	0.00305073	-0.00014336	-59.95
349	38	37	51	9.63	19.26	-6.61	22.62	6.27	-63.05	0.00320776	-0.00015887	-63.05
350	37	52	51	9.67	19.27	-5.61	21.86	7.09	-65.28	0.00304622	-0.00003101	-65.28
351	51	52	60	9.10	21.81	-6.10	24.26	6.64	-68.05	0.00344469	-0.00022577	-68.05
352	52	59	60	9.37	21.90	-4.45	23.32	7.95	-72.29	0.00322973	0.00002716	-72.29
353	60	59	73	9.01	24.70	-5.08	26.20	7.51	-73.54	0.00371025	-0.00016886	-73.54
354	59	74	73	9.27	24.83	-3.23	25.47	8.63	-78.74	0.00353088	0.00002173	-78.74
355	73	74	82	8.12	25.75	-2.67	26.15	7.72	-81.59	0.00388727	-0.00010002	-81.59
356	74	81	82	7.91	25.61	-3.49	26.28	7.24	-79.24	0.00421344	-0.00001547	-79.24
357	82	81	95	6.28	26.14	-3.31	26.68	5.74	-80.78	0.00418075	0.00040682	-80.77
358	81	96	95	7.80	25.57	-3.75	26.33	7.04	-78.51	0.00425853	-0.00013346	-78.56
359	95	96	104	5.80	25.58	-5.63	27.07	4.31	-75.18	0.00441646	-0.00062452	-75.17
360	96	103	104	8.15	25.27	-4.35	26.31	7.11	-76.52	0.00408937	-0.00016452	-76.51
361	104	103	117	7.20	25.37	-4.93	26.62	5.95	-75.77	0.00413078	-0.00038617	-75.76
362	103	118	117	8.18	25.07	-4.87	26.37	6.88	-75.02	0.00405597	-0.00021538	-75.02
363	117	118	127	8.52	25.29	-3.93	26.17	7.64	-77.44	0.00396244	-0.00005468	-77.43
364	118	133	127	7.98	25.32	-4.37	26.36	6.94	-76.61	0.00407582	-0.00020289	-76.61
365	127	133	134	8.50	24.65	-5.61	26.41	6.74	-72.62	0.00404417	-0.00024564	-72.62
366	134	133	146	5.97	25.42	-1.51	25.54	5.85	-85.58	0.00368525	0.00041591	-85.58
367	133	156	146	7.63	25.55	-4.00	26.40	6.77	-77.98	0.00415668	-0.00020186	-77.98
368	146	156	155	5.80	26.49	-2.26	26.73	5.56	-83.85	0.00435685	-0.00035665	-83.85
369	155	156	165	4.66	26.64	-3.21	27.10	4.20	-81.86	0.00440265	-0.00065056	-81.86
370	156	171	165	6.41	25.82	-4.34	26.75	5.49	-77.95	0.00408029	-0.00032305	-77.94
371	165	171	172	3.73	26.34	-5.37	27.55	2.52	-77.31	0.00467440	-0.00056568	-77.30
372	172	171	181	3.14	25.61	-7.77	28.04	0.72	-72.67	0.00494560	-0.00118389	-72.66
373	171	194	181	6.82	25.30	-5.45	26.79	5.33	-74.73	0.00432338	-0.00044985	-74.73
374	181	194	193	5.96	22.71	-10.87	28.06	0.61	-63.80	0.00441355	-0.00134571	-63.80
375	193	194	202	7.29	23.05	-9.40	27.44	2.90	-64.98	0.00421537	-0.00055413	-64.98
376	194	201	202	5.33	15.86	-5.64	18.31	2.80	-66.50	0.00271101	-0.00050342	-66.50
377	202	201	215	5.04	15.76	-6.26	18.64	2.16	-65.25	0.00279572	-0.00063334	-65.25
378	201	216	215	3.97	12.19	-4.48	14.16	2.00	-66.28	0.00210530	-0.00042590	-66.26
379	215	216	224	2.79	11.80	-3.92	13.26	1.32	-69.51	0.00200371	-0.00048415	-69.51
380	216	223	224	3.02	10.42	-3.27	11.65	1.78	-69.28	0.00172812	-0.00032882	-69.28
381	224	223	237	0.83	9.69	-1.62	9.98	0.55	-79.52	0.00153081	-0.00043447	-79.93
382	223	238	237	2.24	9.04	-1.81	9.49	1.79	-75.97	0.00139004	-0.00021514	-75.97
383	237	238	246	0.21	8.36	0.49	8.39	0.18	86.58	0.00120176	-0.00040640	86.58
384	238	245	246	1.53	7.25	0.44	7.28	1.50	85.65	0.00105982	-0.00014519	85.65
385	246	245	259	0.84	7.02	2.74	8.06	-0.20	69.20	0.00126990	-0.00045079	69.20
386	245	260	259	2.66	5.54	1.77	6.38	1.82	64.61	0.00092286	-0.00004839	64.61
387	259	260	268	4.09	6.02	3.66	9.04	1.08	52.02	0.00135564	-0.00020175	52.02
388	260	267	268	5.51	5.90	2.48	8.20	2.21	47.23	0.00111342	0.00007501	47.23
389	268	267	281	7.52	6.57	4.66	11.73	2.35	42.05	0.00171023	-0.00024307	42.05
390	267	282	281	11.56	19.68	3.34	20.88	10.36	70.29	0.00272220	0.00053210	70.29
391	281	282	290	11.27	19.59	-3.42	20.81	10.05	-70.28	0.00272893	0.00048563	-70.28
392	282	289	290	6.01	1.89	-2.15	6.93	0.97	-23.08	0.00103155	-0.00022092	-23.08
393	290	289	303	7.45	2.37	0.64	7.63	2.25	7.03	0.00105745	-0.00006936	7.03
394	289	304	303	8.45	9.69	1.39	10.59	7.55	57.08	0.00126185	0.00062828	57.08
395	303	304	312	11.65	10.76	3.09	14.32	8.08	40.92	0.00181800	0.00051616	40.92

398	9	14	15	14.26	11.68	1.37	14.07	16.85	2.78	0.00015424	0.00015924	2.78	
399	15	14	30	18.65	12.62	-9.65	25.75	5.53	-36.33	0.00105281	0.00004175	-36.33	
400	14	31	30	10.05	17.78	-5.83	21.05	7.28	-66.72	0.00073528	0.00015573	-66.73	
401	30	31	37	15.06	18.56	-10.38	27.34	6.28	-69.78	0.00111490	0.00004184	-69.78	
402	31	36	37	9.38	22.13	-9.65	27.32	4.15	-61.73	0.00112952	-0.00002665	-61.73	
403	37	36	52	16.66	22.36	-7.81	26.27	6.75	-63.41	0.00106568	0.00006953	-63.41	
404	38	53	52	9.98	26.36	-9.70	30.86	5.47	-65.68	0.00127067	0.00000100	-65.68	
405	52	53	59	7.50	25.92	-5.14	27.26	6.16	-75.41	0.00111222	0.00005733	-75.41	
406	53	58	59	5.93	30.37	-7.95	33.10	7.20	-71.07	0.00135277	0.00005772	-71.07	
407	59	58	74	6.14	29.71	-1.96	29.87	5.98	-85.27	0.00122454	0.00003005	-85.27	
408	58	75	74	9.32	31.50	-3.57	32.06	8.76	-81.07	0.00129604	0.00013155	-81.07	
409	74	75	81	6.54	31.01	-2.01	31.17	6.37	-85.32	0.00127698	0.00003695	-85.33	
410	75	80	81	13.19	34.27	-5.09	35.45	12.02	-77.11	0.00141663	0.00024527	-77.11	
411	81	89	96	6.77	33.16	-2.33	33.36	6.57	-84.99	0.00136856	0.00002901	-84.99	
412	80	97	96	13.39	35.59	-4.72	36.55	12.43	-78.48	0.00146036	0.00025395	-78.48	
413	96	97	103	7.67	34.58	-4.67	35.37	6.88	-80.44	0.00145155	0.00002715	-80.44	
414	97	102	103	12.38	35.46	-5.57	36.93	11.11	-77.21	0.00148615	0.00015546	-77.21	
415	103	102	118	7.71	34.84	-6.04	36.12	6.42	-78.00	0.00148712	0.00002200	-78.00	
416	102	119	118	12.60	36.03	-7.37	38.13	10.50	-74.01	0.00154161	0.00016029	-74.01	
417	118	119	123	6.80	35.01	-5.20	35.74	5.87	-79.88	0.00148322	-0.00001985	-79.88	
418	119	132	133	13.92	36.02	-6.46	37.76	12.07	-74.90	0.00151431	0.00022990	-74.90	
419	133	132	156	5.85	34.61	-4.39	35.27	5.19	-81.52	0.00145984	-0.00004375	-81.52	
420	132	157	156	14.61	36.56	-6.52	38.35	12.83	-74.65	0.00153356	0.00025751	-74.65	
421	156	157	171	3.65	34.62	-6.12	35.79	2.48	-79.22	0.00150235	-0.00016283	-79.22	
422	157	170	171	15.36	35.53	-7.59	38.07	12.83	-71.52	0.00152182	0.00025563	-71.52	
423	171	170	194	3.09	33.37	-8.88	35.78	0.68	-74.81	0.00151546	-0.00023925	-74.81	
424	170	195	194	16.80	32.47	-9.00	36.57	12.70	-65.52	0.00145888	0.00026551	-65.52	
425	194	195	201	5.56	30.49	-10.47	34.30	1.75	-69.99	0.00144457	-0.00010257	-69.99	
426	195	200	201	18.84	28.27	-9.49	34.15	12.96	-58.20	0.00135439	0.00025445	-58.20	
427	201	209	216	4.17	25.68	-8.42	28.58	1.26	-70.97	0.00120525	-0.00016071	-70.97	
428	200	217	216	20.77	25.15	-9.03	32.26	13.67	-51.81	0.00126843	0.00033903	-51.81	
429	216	217	223	2.18	21.87	-6.19	23.65	0.40	-73.93	0.00100227	-0.00036051	-73.93	
430	217	222	223	22.37	23.06	-9.42	31.14	14.29	-46.18	0.00121614	0.00037391	-46.18	
431	223	222	238	0.55	19.21	-1.83	19.39	0.37	-84.44	0.00082137	-0.00012971	-84.44	
432	222	237	238	22.42	20.52	-7.28	28.82	14.12	-41.27	0.00111878	0.00036410	-41.27	
433	238	239	245	-0.34	16.50	3.28	17.12	-0.96	79.35	0.00073465	-0.00016912	79.35	
434	239	244	245	20.09	15.70	-0.78	20.22	15.57	-5.75	0.00074261	0.00050985	-5.75	
435	245	244	260	5.29	13.09	8.28	19.34	0.04	57.62	0.00077904	-0.00013956	57.62	
436	244	261	260	20.26	9.77	2.04	20.64	9.39	10.60	0.00080697	0.00024422	10.60	
437	260	261	267	14.58	8.77	9.07	21.19	2.15	36.12	0.00088466	-0.00006759	36.12	
438	261	266	267	19.77	7.85	4.91	21.53	6.05	15.72	0.00086938	0.00059718	19.73	
439	267	266	282	19.77	7.84	6.70	22.77	4.84	24.18	0.00093163	0.00023473	24.18	
440	266	283	282	16.59	16.09	8.77	25.11	7.57	44.18	0.00101036	0.00013348	44.18	
441	282	283	289	22.82	17.19	-9.23	29.65	10.36	-36.51	0.00118261	0.00021773	-36.51	
442	283	288	289	17.56	5.98	-4.15	18.99	4.65	-17.82	0.00076835	0.00005565	-17.82	
443	289	298	304	20.33	6.47	1.86	20.57	6.23	7.51	0.00082768	0.00011030	7.51	
444	288	305	304	20.70	11.63	1.41	20.91	11.41	8.66	0.00080324	0.00032818	8.66	
445	304	305	311	17.59	11.08	2.59	18.50	10.18	19.22	0.00070570	0.00029389	19.22	
446	305	310	311	17.02	21.06	2.92	22.58	15.49	62.35	0.00084367	0.00048854	62.35	
447	9	10	14	6.82	5.43	-3.80	9.99	2.27	-39.82	0.00082236	-0.00002005	-39.82	
448	10	13	14	7.16	9.18	-4.73	13.00	3.32	-51.03	0.00106205	0.00000706	-51.03	
449	14	13	31	5.87	8.86	-8.15	15.65	-0.53	-50.19	0.00138639	-0.00042245	-50.19	
450	13	32	31	-1.45	17.09	-7.91	19.44	-3.80	-71.46	0.00177967	-0.00075605	-71.46	
451	31	32	36	7.50	19.33	-6.63	22.30	4.53	-65.87	0.00184723	-0.00005118	-65.87	
452	32	35	36	3.01	24.18	-7.79	26.74	0.45	-71.82	0.00232336	-0.00054377	-71.82	
453	36	35	53	9.01	25.68	-5.03	27.08	7.61	-74.43	0.00219738	0.00007338	-74.43	
454	35	54	53	5.80	30.79	-7.90	33.07	3.51	-73.85	0.00250584	-0.00041525	-73.85	
455	53	54	59	10.20	31.89	-2.31	32.27	9.81	-82.49	0.00260225	0.00015215	-82.49	
456	54	57	59	8.19	38.32	-6.66	39.72	6.78	-78.07	0.00331895	-0.00027495	-78.07	
457	58	57	75	11.63	39.18	0.38	39.18	11.62	89.21	0.00316584	0.00015545	89.21	
458	57	76	75	6.51	34.87	3.37	35.27	6.11	83.32	0.00294442	-0.00023586	83.32	
459	75	76	80	12.58	36.39	1.25	36.45	12.51	87.01	0.00290853	0.00029647	87.01	
460	76	79	80	21.64	40.97	-2.53	41.29	21.32	-82.67	0.00315637	0.00050423	-82.67	
461	80	79	97	13.23	39.46	0.74	39.09	13.21	88.36	0.00312299	0.00029917	88.36	

465	102	101	119	14.69	42.63	-2.69	42.78	13.54	-85.88	0.00343792	0.00024865	-85.88
466	101	120	119	22.82	40.49	-3.14	41.03	22.28	-80.23	0.00342316	0.00114522	-80.22
467	119	120	132	14.25	42.46	-2.78	42.25	13.58	-84.43	0.00342554	0.00028747	-84.43
468	120	131	132	23.54	40.20	-3.28	40.83	23.02	-79.21	0.00339703	0.00120925	-79.20
469	132	131	157	14.39	41.65	-3.76	42.16	13.80	-82.29	0.00331659	0.00025136	-82.29
470	131	158	157	24.45	39.64	-4.19	40.72	23.27	-75.55	0.00337434	0.00124015	-75.54
471	157	158	170	14.63	40.80	-5.01	41.72	13.70	-79.52	0.00334235	0.00028541	-79.52
472	158	169	170	25.49	38.89	-5.10	40.61	23.77	-71.37	0.00135642	0.00127345	-71.36
473	170	169	195	15.31	39.68	-6.32	41.22	13.77	-76.25	0.00329734	0.00030225	-76.25
474	165	196	195	26.76	37.94	-5.89	40.48	24.23	-66.75	0.00327370	0.00130462	-66.74
475	195	195	200	16.26	38.06	-7.31	40.28	14.04	-73.08	0.00320905	0.00034629	-73.08
476	196	199	200	29.28	36.92	-6.36	40.29	24.51	-62.10	0.00311333	0.00133824	-62.05
477	200	199	217	16.86	35.61	-7.56	39.28	14.15	-76.55	0.00303134	0.00040252	-76.55
478	199	218	217	29.67	35.78	-6.57	39.97	25.47	-57.47	0.00293294	0.00135084	-57.47
479	217	218	222	17.07	32.63	-7.38	35.57	14.13	-68.20	0.00279233	0.00045673	-68.26
480	218	221	222	29.01	32.93	-6.59	37.84	24.16	-53.29	0.00277084	0.00127718	-53.28
481	222	221	239	16.61	29.83	-5.60	31.88	14.56	-65.87	0.00266461	0.00057534	-65.87
482	221	240	239	25.36	33.20	-8.28	38.44	20.12	-57.67	0.00291603	0.00051678	-57.67
483	239	240	244	16.16	30.90	-1.50	31.05	16.01	-84.23	0.00236077	0.00071936	-84.23
484	240	243	244	15.11	23.03	3.35	24.25	13.88	69.85	0.00181381	0.00068228	69.85
485	244	243	261	14.76	22.94	3.35	24.14	13.56	70.32	0.00181094	0.00065706	70.32
486	243	262	261	17.89	14.32	5.00	21.42	10.80	35.18	0.00163359	0.00047451	35.18
487	261	262	266	12.18	12.89	4.64	17.19	7.88	47.20	0.00132843	0.00031247	47.20
488	262	265	266	13.63	11.17	3.96	16.55	8.26	36.37	0.00126384	0.00035960	36.37
489	266	265	283	5.21	10.07	3.40	13.07	6.21	48.58	0.00100511	0.00025711	48.58
490	265	284	283	9.09	13.82	3.71	14.82	7.30	60.75	0.00113397	0.00031356	60.75
491	283	284	288	11.44	13.61	-3.41	16.10	8.95	-53.83	0.00120972	0.00043061	-53.83
492	284	287	288	9.02	9.16	-1.61	10.70	7.48	-46.23	0.00077056	0.00041531	-46.23
493	288	287	305	11.53	9.78	-0.15	11.54	9.77	-4.84	0.00079285	0.00066108	-4.84
494	287	306	305	11.09	12.29	0.04	12.29	11.09	88.30	0.00083033	0.00065974	88.30
495	305	306	310	9.45	11.87	0.28	11.91	9.41	83.52	0.00083368	0.00056185	83.52
496	306	309	310	10.79	19.47	-0.94	19.57	10.69	-83.91	0.00147449	0.00050626	-83.91
497	10	11	13	-1.01	-11.17	-12.66	7.55	-19.73	-34.06	0.00220728	-0.00347629	-34.06
498	11	12	13	-25.22	7.46	-11.26	10.97	-28.73	-72.71	0.00320978	-0.00506015	-72.71
499	13	12	32	-2.35	16.65	-4.80	18.11	-0.85	-73.06	0.00278399	-0.00060420	-73.06
500	12	33	32	-9.46	17.78	-2.13	17.94	-5.63	-85.56	0.00330521	-0.00243502	-85.56
501	32	33	35	5.94	22.91	-1.59	23.06	5.80	-84.68	0.00330170	-0.00025562	-84.68
502	33	34	35	-6.89	25.60	-2.08	25.73	-7.03	-86.36	0.00428672	-0.00243814	-86.36
503	35	34	54	6.70	26.38	1.10	26.44	6.64	86.80	0.00337355	-0.00018002	86.80
504	34	55	54	-8.87	30.59	-1.62	30.66	-8.94	-87.65	0.00565347	-0.00288613	-87.65
505	54	55	57	-4.76	26.51	3.66	27.11	4.16	80.70	0.00579822	-0.00028033	80.69
506	55	56	57	-21.17	33.63	-5.07	34.10	-21.63	-84.76	0.00900600	-0.00446525	-84.76
507	57	56	76	-2.64	26.80	9.75	29.74	-5.57	73.25	0.00960379	-0.00110320	73.21
508	56	77	76	-18.51	24.48	-31.50	41.12	-35.15	-62.15	0.02468502	-0.00264705	-68.35
509	76	77	79	-9.82	32.74	14.71	37.33	-14.46	72.68	0.02120391	0.00076147	83.80
510	77	78	79	-11.88	23.77	-25.45	37.01	-25.12	-62.50	0.03244915	0.00143572	-69.66
511	79	78	98	-20.13	34.67	11.53	37.00	-22.46	78.59	0.02819043	0.00103753	86.77
512	78	99	98	-10.62	26.40	-18.82	34.29	-18.51	-67.26	0.03783080	0.00410603	-73.70
513	98	99	101	-29.13	36.62	7.35	37.43	-29.94	83.85	0.03518562	0.00113053	88.76
514	99	100	101	-6.82	28.81	-10.95	31.90	-9.92	-74.22	0.03742597	0.00569453	-81.75
515	101	100	120	-31.02	36.96	5.58	37.42	-31.47	85.34	0.03678267	0.00121006	89.26
516	100	121	120	-6.93	30.72	-5.42	31.49	-7.70	-81.56	0.03636560	0.00587030	89.44
517	120	121	131	-30.17	36.64	3.08	36.79	-30.31	87.37	0.03636729	0.00128567	-89.77
518	121	130	131	-6.16	29.89	-3.98	30.32	-6.60	-83.78	0.03038500	0.00594036	-88.29
519	131	130	158	-29.85	36.46	0.56	36.46	-29.86	89.52	0.03637652	0.00135354	-89.64
520	130	159	158	-4.99	29.53	-1.65	29.61	-5.02	-84.26	0.03607569	0.00011537	-87.81
521	158	159	169	-29.00	36.05	-2.18	36.13	-29.07	-88.09	0.03010244	0.00141805	-87.49
522	159	168	169	-4.31	29.28	1.25	29.32	-4.36	87.81	0.03503865	0.00416654	-88.45
523	169	168	196	-27.08	35.31	-5.11	35.72	-27.58	-85.35	0.03515706	0.00147168	-86.30
524	196	168	197	-1.23	28.93	4.74	29.65	-1.96	81.28	0.03304055	0.00000051	89.88
525	196	197	199	-23.80	34.18	-8.25	35.33	-24.95	-82.66	0.03327307	0.00149553	-85.09
526	197	198	199	1.20	28.19	9.07	30.96	-1.56	73.04	0.02718716	0.00552246	86.43
527	199	199	218	-18.94	32.72	-11.51	35.17	-21.29	-77.57	0.03013391	0.00140705	-83.74

530	219	220	221	8.42	19.49	22.76	38.61	-16.73	53.61	0.02065071	0.00141769	65.52	
531	221	220	222	-2.71	29.18	-19.00	38.04	-11.35	67.63	0.01038767	0.00050126	-76.98	
532	220	241	240	-10.72	21.69	25.00	34.92	-24.44	61.23	0.01111275	-0.00444082	61.21	
533	240	241	243	5.44	25.53	-6.04	27.22	3.76	-74.45	0.00806638	0.00025443	-74.45	
534	241	242	243	1.85	25.73	5.56	28.65	-1.55	70.36	0.00464532	-0.00111000	70.35	
535	243	242	262	13.38	23.44	-4.33	25.05	11.77	-69.63	0.00435434	0.00081900	-69.61	
536	242	263	262	3.63	14.01	2.92	14.74	2.20	75.98	0.00218382	-0.00040814	75.98	
537	262	263	265	11.69	16.90	-2.45	17.87	10.72	-68.35	0.00223389	0.00074374	-68.36	
538	263	264	265	4.44	11.63	1.10	11.79	4.28	81.51	0.00161946	0.00005454	81.51	
539	265	264	284	7.47	12.64	-0.39	12.67	7.44	-85.72	0.00159135	0.00050341	-85.73	
540	264	285	284	3.98	11.43	1.17	11.61	3.81	81.25	0.00161583	-0.00001013	81.29	
541	284	285	287	8.02	12.78	-1.86	13.42	7.38	-71.00	0.00171193	0.00045906	-71.00	
542	285	286	287	5.65	10.43	-0.58	10.49	5.58	-83.15	0.00134503	0.00032568	-83.15	
543	287	286	306	8.24	11.29	-0.51	11.37	8.16	-80.75	0.00135181	0.00068270	-80.79	
544	286	307	306	7.75	11.93	-0.31	11.95	7.73	-85.75	0.00146544	0.00050478	-85.75	
545	306	307	309	7.23	11.76	-0.83	11.90	7.08	-79.96	0.00145112	0.00048664	-79.96	
546	307	309	309	9.50	20.48	-2.65	21.10	9.27	-76.68	0.00281446	0.00034958	-76.68	

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71	5.000000	10.000000	0.0	0.0	-0.002223	0.014047	-2.835447	0.515457	
72	5.000000	12.000000	0.0	0.0	-0.003875	0.015300	2.530566	-0.285538	
73	5.000000	14.000000	0.0	0.0	-0.006505	0.003207	-6.217836	12.326000	
74	5.000000	17.000000	0.0	0.0	-0.003225	0.074413	-0.474886	-17.823243	
75	5.000000	21.000000	0.0	0.0	0.006525	0.079988	-2.515525	-4.403225	
76	5.000000	26.000000	0.0	0.0	0.021572	0.094195	40.271566	-57.805092	
77	5.000000	32.000000	0.0	28.871307	0.068506	0.219988	-11.633475	19.748434	
78	3.000000	32.000000	0.0	28.871307	0.058141	0.273141	-1.144487	13.031917	
79	3.000000	26.000000	0.0	0.0	0.019572	0.100527	6.960271	-20.179523	
80	3.000000	21.000000	0.0	0.0	0.005918	0.085323	-3.201308	6.510864	
81	3.000000	17.000000	0.0	0.0	-0.003315	0.079890	0.059832	-17.380966	
82	3.000000	14.000000	0.0	0.0	-0.006476	0.067102	-1.651376	11.005645	
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86	3.000000	6.000000	0.0	0.0	-0.000152	0.004355	0.017076	-0.104037	
87	3.000000	3.000000	0.0	0.0	0.000617	0.002221	-0.008423	-0.078043	
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90	1.000000	3.000000	0.0	0.0	0.000822	0.001277	-0.010428	-0.094575	
91	1.000000	6.000000	0.0	0.0	-0.000109	0.002856	0.036666	-0.089135	
92	1.000000	8.000000	0.0	0.0	-0.000721	0.008400	0.091427	-0.106256	
93	1.000000	10.000000	0.0	0.0	-0.004198	0.012154	1.561500	-5.229709	
94	1.000000	12.000000	0.0	0.0	-0.010459	0.007573	-0.805391	-3.652956	
95	1.000000	14.000000	0.0	0.0	-0.005856	0.072714	-1.280262	8.470574	
96	1.000000	17.000000	0.0	0.0	-0.003394	0.084573	0.826395	-16.015850	
97	1.000000	21.000000	0.0	0.0	0.005314	0.090621	-4.034754	6.760810	
98	1.000000	26.000000	0.0	0.0	0.017721	0.107406	-5.805678	-15.260994	
99	1.000000	32.000000	0.0	28.871307	0.044614	0.318448	14.575689	14.686364	
100	0.0	32.000000	0.0	28.871307	0.028267	0.231075	11.062573	6.035913	
101	0.0	26.000000	0.0	0.0	0.016574	0.110415	0.401203	-7.776831	
102	0.0	21.000000	0.0	0.0	0.005055	0.093308	-2.535070	0.326239	
103	0.0	17.000000	0.0	0.0	-0.003460	0.087616	-0.316162	-14.873557	
104	0.0	14.000000	0.0	0.0	-0.005602	0.078042	-0.656040	6.438175	
105	0.0	12.000000	0.0	0.0	-0.009913	0.071614	0.515467	-2.570913	
106	0.0	10.000000	0.0	0.0	-0.004747	0.006824	-0.088415	5.854905	
107	0.0	8.000000	0.0	0.0	-0.000254	0.000284	0.088090	-0.078532	
108	0.0	6.000000	0.0	0.0	0.000083	0.001604	0.035472	-0.068749	
109	0.0	3.000000	0.0	0.0	0.000708	-0.000089	-0.010283	-0.089993	
110	0.0	0.0	0.0	-28.871307	0.0	0.0	0.057257	28.652355	
111	-2.000000	0.0	0.0	-28.871307	-0.000054	-0.005110	-0.005775	-0.015627	
112	-2.000000	3.000000	0.0	0.0	0.000920	-0.001500	0.001088	-0.039329	
113	-2.000000	6.000000	0.0	0.0	0.000002	-0.000182	0.034190	-0.023393	
114	-2.000000	8.000000	0.0	0.0	0.000236	0.001567	0.001129	-0.014588	
115	-2.000000	10.000000	0.0	0.0	-0.003552	0.002574	0.331880	0.244591	
116	-2.000000	12.000000	0.0	0.0	-0.007400	0.078429	1.132400	-3.651265	
117	-2.000000	14.000000	0.0	0.0	-0.005367	0.081771	-0.820307	7.432749	
118	-2.000000	17.000000	0.0	0.0	-0.003553	0.093082	1.257225	-19.302835	
119	-2.000000	21.000000	0.0	0.0	0.004525	0.098829	-2.475525	9.194692	
120	-2.000000	26.000000	0.0	0.0	0.014142	0.115811	-11.055583	-12.246278	
121	-2.000000	32.000000	0.0	28.871307	0.026504	0.324011	11.795594	-32.090904	
122	-2.000000	12.000000	0.0	0.0	-0.006846	0.078546	1.201865	-3.706285	
123	-2.000000	10.000000	0.0	0.0	-0.003089	0.002031	0.365443	-0.204899	
124	-3.000000	8.000000	0.0	0.0	0.000395	-0.000203	0.085546	0.001297	
125	-3.000000	10.000000	0.0	0.0	-0.002480	0.000152	0.250355	0.441790	
126	-3.000000	12.000000	0.0	0.0	-0.005393	0.078620	1.256726	-3.397495	
127	-3.000000	14.000000	0.0	0.0	-0.005489	0.084093	-1.318764	5.452927	
128	-3.000000	17.000000	0.0	0.0	-0.004809	0.078647	1.186085	-3.991648	
129	-3.000000	10.000000	0.0	0.0	-0.002025	-0.000482	0.279430	-0.426985	
130	-4.000000	32.000000	0.0	28.871307	0.014553	0.338692	8.513644	-33.277364	
131	-4.000000	26.000000	0.0	0.0	0.011570	0.120495	-5.218051	-9.510604	

135	-4.000000	12.000000	0.0	0.0	-0.002679	0.017822	-0.086956	0.577615	1.532635
136	-4.000000	10.000000	0.0	0.0	-0.001591	-0.003129	0.145355	0.840060	
137	-4.000000	8.000000	0.0	0.0	0.000175	-0.001518	0.085955	0.011415	
138	-4.000000	6.000000	0.0	0.0	0.000546	-0.000489	0.039143	0.000437	
139	-4.000000	3.000000	0.0	0.0	0.000650	-0.000556	0.010041	-0.005533	
140	-4.000000	0.0	0.0	-28.871307	0.0	0.0	1.415114	42.950461	
141	-1.200000	12.000000	0.0	0.0	-0.013536	0.081701	0.165760	-0.657464	
142	-4.200000	10.000000	0.0	0.0	-0.001110	-0.004212	1.213235	-1.014268	
143	-5.000000	8.000000	0.0	0.0	-0.000452	-0.001072	0.085930	0.014946	
144	-5.000000	10.000000	0.0	0.0	-0.000397	-0.001189	0.266685	-0.059470	
145	-5.000000	12.000000	0.0	0.0	-0.000348	0.085588	1.030196	-4.388881	
146	-5.000000	14.000000	0.0	0.0	-0.005227	0.088486	-7.291867	3.417874	
147	-5.200000	12.000000	0.0	0.0	-0.007903	0.085288	1.142907	-3.753331	
148	-5.200000	10.000000	0.0	0.0	-0.000003	-0.000759	0.206675	0.162241	
149	-6.000000	0.0	0.0	-28.871307	0.0	0.0	1.030878	30.594900	
150	-6.000000	3.000000	0.0	0.0	0.000424	-0.000178	0.018720	0.007243	
151	-6.000000	6.000000	0.0	0.0	0.000376	-0.000203	0.040324	0.012542	
152	-6.000000	8.000000	0.0	0.0	-0.000372	-0.000028	0.083876	0.017544	
153	-6.000000	10.000000	0.0	0.0	0.000119	0.000685	0.242252	-0.022197	
154	-6.000000	12.000000	0.0	0.0	-0.007559	0.015514	1.182163	-3.815443	
155	-6.000000	14.000000	0.0	0.0	-0.004885	0.085920	-0.010495	5.709208	
156	-6.000000	17.000000	0.0	0.0	-0.003624	0.102827	1.681316	-22.578870	
157	-6.000000	21.000000	0.0	0.0	0.003157	0.108603	-1.802002	8.525473	
158	-6.000000	26.000000	0.0	0.0	0.008823	0.124005	0.583255	-6.416377	
159	-6.000000	32.000000	0.0	28.871307	0.002226	0.341024	2.033462	-35.643670	
160	-6.200000	12.000000	0.0	0.0	-0.007244	0.085668	1.160728	-3.743098	
161	-6.200000	10.000000	0.0	0.0	0.000432	0.000565	0.210088	0.018796	
162	-7.000000	8.000000	0.0	0.0	-0.000185	0.000762	0.081328	0.019543	
163	-7.000000	10.000000	0.0	0.0	0.000299	0.001681	25.875288	-3.523617	
164	-7.000000	12.000000	0.0	0.0	-0.007427	0.086594	1.151557	-0.657965	
165	-7.000000	14.000000	0.0	0.0	-0.004336	0.091158	-0.026508	6.779766	
166	-7.200000	12.000000	0.0	0.0	-0.007186	0.087356	1.136442	-3.773344	
167	-7.200000	10.000000	0.0	0.0	0.000579	0.001796	-25.415586	0.373270	
168	-8.000000	32.000000	0.0	28.871307	-0.010205	0.338788	-8.357527	-34.371716	
169	-8.000000	26.000000	0.0	0.0	0.005854	0.128686	6.012056	-5.202996	
170	-8.000000	21.000000	0.0	0.0	0.002424	0.113040	-1.725052	8.872233	
171	-8.000000	17.000000	0.0	0.0	-0.003415	0.107460	2.898172	-22.196192	
172	-8.000000	14.000000	0.0	0.0	-0.002700	0.094246	-1.045403	5.691998	
173	-8.000000	12.000000	0.0	0.0	-0.007679	0.089655	27.798365	-4.556246	
174	-8.000000	10.000000	0.0	0.0	0.000331	0.002141	0.193794	0.074201	
175	-8.000000	8.000000	0.0	0.0	0.000054	0.001182	0.078450	0.020144	
176	-8.000000	6.000000	0.0	0.0	0.000366	0.000206	0.038872	0.016638	
177	-8.000000	3.000000	0.0	0.0	0.000274	0.000042	0.024255	0.012425	
178	-8.000000	0.0	0.0	-28.871307	0.0	0.0	0.875677	29.888721	
179	-8.200000	10.000000	0.0	0.0	0.000608	0.002157	0.252705	-3.349695	
180	-8.200000	12.000000	0.0	0.0	-0.007468	0.090259	-25.067454	0.071112	
181	-9.000000	14.000000	0.0	0.0	-0.003000	0.097831	-0.220963	5.553925	
182	-9.000000	12.000000	0.0	0.0	-0.008071	0.093795	0.995275	-4.201074	
183	-9.000000	10.000000	0.0	0.0	0.000352	0.002692	0.160972	0.123738	
184	-9.000000	8.000000	0.0	0.0	0.000332	0.001215	0.074966	0.018372	
185	-9.200000	10.000000	0.0	0.0	0.000664	0.001984	0.190518	-0.059885	
186	-9.200000	12.000000	0.0	0.0	-0.007819	0.094181	0.863387	-3.841803	
187	-10.000000	0.0	0.0	-28.871307	0.0	0.0	0.466576	29.231594	
188	-10.000000	3.000000	0.0	0.0	0.000221	0.000155	0.027434	0.012788	
189	-10.000000	6.000000	0.0	0.0	0.000351	0.000264	0.036170	0.015570	
190	-10.000000	8.000000	0.0	0.0	0.000470	0.001665	0.055214	0.015957	
191	-10.000000	10.000000	0.0	0.0	0.000436	0.001363	-0.203557	0.322229	
192	-10.000000	12.000000	0.0	0.0	-0.008466	0.100131	-0.038254	-2.401283	
193	-10.000000	14.000000	0.0	0.0	-0.002834	0.102282	-1.376058	6.009093	
194	-10.000000	17.000000	0.0	0.0	-0.003177	0.112154	10.447656	-21.092880	
195	-10.000000	21.000000	0.0	0.0	0.001483	0.111170	-1.759102	9.526272	
196	-10.000000	26.000000	0.0	0.0	0.002631	0.130603	16.572815	-7.444768	
197	-10.000000	32.000000	0.0	28.871307	-0.022121	0.330240	-21.158457	-20.046729	

201	-12.000000	17.000000	0.0	0.0	-0.003152	0.116570	0.595600	-5.233210	
202	-12.000000	14.000000	0.0	0.0	-0.002775	0.105977	0.600017	-5.607204	
203	-12.000000	12.000000	0.0	0.0	-0.007680	0.101649	-0.018505	-2.673473	
204	-12.000000	10.000000	0.0	0.0	0.005223	0.000707	-0.001441	0.655704	
205	-12.000000	9.000000	0.0	0.0	0.000428	0.000667	0.033758	0.007422	
206	-12.000000	6.000000	0.0	0.0	0.000360	0.000320	0.031962	0.010786	
207	-12.000000	3.000000	0.0	0.0	0.000154	0.000114	0.072280	0.009944	
208	-12.000000	0.0	0.0	-28.871307	0.0	0.0	0.280364	28.041148	
209	-14.000000	0.0	0.0	-28.871307	0.0	0.0	0.164697	28.619767	
210	-14.000000	3.000000	0.0	0.0	0.000170	0.000157	0.024594	0.000137	
211	-14.000000	6.000000	0.0	0.0	0.000231	0.000255	0.025907	0.000299	
212	-14.000000	8.000000	0.0	0.0	0.000217	0.000440	0.024765	-0.000337	
213	-14.000000	10.000000	0.0	0.0	0.000194	0.000525	0.000011	0.071894	
214	-14.000000	12.000000	0.0	0.0	-0.006046	0.113667	-0.075435	-2.737673	
215	-14.000000	14.000000	0.0	0.0	-0.002708	0.114514	-0.008557	-2.560166	
216	-14.000000	17.000000	0.0	0.0	-0.003161	0.120611	0.761195	-4.566485	
217	-14.000000	21.000000	0.0	0.0	-0.001083	0.123663	2.717817	-5.866013	
218	-14.000000	26.000000	0.0	0.0	-0.004449	0.130641	3.219669	-12.526350	
219	-14.000000	32.000000	0.0	28.871307	-0.043453	0.285060	-15.350316	51.441676	
220	-16.000000	32.000000	0.0	28.871307	-0.052546	0.241031	2.653061	42.123224	
221	-16.000000	26.000000	0.0	0.0	-0.008076	0.138741	-19.348945	-25.494697	
222	-16.000000	21.000000	0.0	0.0	-0.002628	0.125136	2.787785	-5.127418	
223	-16.000000	17.000000	0.0	0.0	-0.003018	0.122287	0.660942	-4.302775	
224	-16.000000	14.000000	0.0	0.0	-0.002349	0.117875	-0.023735	-3.037159	
225	-16.000000	12.000000	0.0	0.0	-0.004049	0.110594	-0.191469	-2.794476	
226	-16.000000	10.000000	0.0	0.0	0.000150	0.000433	0.001367	0.852044	
227	-16.000000	8.000000	0.0	0.0	0.000236	0.000348	0.015545	-0.003843	
228	-16.000000	6.000000	0.0	0.0	0.000169	0.000208	0.018274	0.001581	
229	-16.000000	3.000000	0.0	0.0	0.000121	0.000134	0.018445	0.003234	
230	-16.000000	0.0	0.0	-28.871307	0.0	0.0	0.084434	28.401096	
231	-19.000000	0.0	0.0	-28.871307	0.0	0.0	0.002233	28.270304	
232	-19.000000	3.000000	0.0	0.0	0.000066	0.000113	0.011867	0.000146	
233	-19.000000	6.000000	0.0	0.0	0.000096	0.000176	0.011188	-0.001714	
234	-19.000000	8.000000	0.0	0.0	0.000158	0.000311	0.008737	-0.007100	
235	-19.000000	10.000000	0.0	0.0	0.000198	0.000400	0.591523	1.036804	
236	-19.000000	12.000000	0.0	0.0	-0.001022	0.118276	-0.525044	-2.501433	
237	-19.000000	14.000000	0.0	0.0	-0.001226	0.119235	-0.019728	-2.501629	
238	-19.000000	17.000000	0.0	0.0	-0.002656	0.123122	0.773145	-3.450242	
239	-19.000000	21.000000	0.0	0.0	-0.005036	0.125927	2.777365	-3.352751	
240	-19.000000	26.000000	0.0	0.0	-0.012541	0.137658	-25.835706	54.572181	
241	-19.000000	32.000000	0.0	28.871307	-0.050434	0.102689	59.132230	-80.608093	
242	-22.000000	32.000000	0.0	28.871307	-0.047459	0.154201	16.804475	-43.626367	
243	-22.000000	26.000000	0.0	0.0	-0.014989	0.130815	29.732335	38.902667	
244	-22.000000	21.000000	0.0	0.0	-0.007244	0.122418	2.650393	-2.650332	
245	-22.000000	17.000000	0.0	0.0	-0.002241	0.120352	0.777755	-2.417193	
246	-22.000000	14.000000	0.0	0.0	-0.000015	0.117154	0.327833	-2.082211	
247	-22.000000	12.000000	0.0	0.0	0.002224	0.116462	-0.445051	-1.396531	
248	-22.000000	10.000000	0.0	0.0	0.000087	0.000323	0.005620	-0.003924	
249	-22.000000	8.000000	0.0	0.0	0.000053	0.000282	0.005524	-0.003611	
250	-22.000000	6.000000	0.0	0.0	0.000035	0.000173	0.007573	-0.001645	
251	-22.000000	3.000000	0.0	0.0	0.000016	0.000110	0.007452	-0.000424	
252	-22.000000	0.0	0.0	-28.871307	0.0	0.0	-0.053273	28.203737	
253	-27.000000	0.0	0.0	-28.871307	0.0	0.0	0.140999	27.803991	
254	-27.000000	3.000000	0.0	0.0	-0.000050	0.000160	0.005135	-0.000985	
255	-27.000000	6.000000	0.0	0.0	-0.000054	0.000271	0.005565	-0.001524	
256	-27.000000	8.000000	0.0	0.0	-0.000077	0.000523	0.005550	-0.002947	
257	-27.000000	10.000000	0.0	0.0	-0.000025	0.000676	0.032837	0.706746	
258	-27.000000	12.000000	0.0	0.0	0.005558	0.107261	0.199285	-1.180803	
259	-27.000000	14.000000	0.0	0.0	0.001150	0.101777	0.322775	-0.537257	
260	-27.000000	17.000000	0.0	0.0	-0.002874	0.105561	1.136187	-0.618611	
261	-27.000000	21.000000	0.0	0.0	-0.011183	0.111014	2.410591	-0.501225	
262	-27.000000	26.000000	0.0	0.0	[illegible]	[illegible]	[illegible]	[illegible]	
263	-27.000000	32.000000	0.0	28.871307	-0.046179	0.127502	1.460458	-0.102949	

267	-35.000000	17.000000	0.0	0.0	-0.001364	0.000000	1.016640	1.585331
268	-35.000000	14.000000	0.0	0.0	-0.001628	0.004164	0.534855	1.575612
269	-35.000000	12.000000	0.0	0.0	0.005034	0.004115	0.501582	1.285650
270	-35.000000	10.000000	0.0	0.0	-0.000274	0.000128	0.005426	0.000050
271	-35.000000	8.000000	0.0	0.0	-0.000281	0.000061	0.008195	-0.000035
272	-35.000000	6.000000	0.0	0.0	-0.000210	0.000156	0.005930	-0.001028
273	-35.000000	3.000000	0.0	0.0	-0.000155	0.000219	0.004541	-0.000788
274	-35.000000	0.0	0.0	-28.871307	0.0	0.0	0.039219	27.556454
275	-43.000000	0.0	0.0	-28.871307	0.0	0.0	2.835074	28.026828
276	-43.000000	3.000000	0.0	0.0	-0.000397	0.000276	0.005995	-0.001156
277	-43.000000	6.000000	0.0	0.0	-0.000572	0.000415	0.007663	-0.001532
278	-43.000000	8.000000	0.0	0.0	-0.000805	0.000674	0.012438	-0.002030
279	-43.000000	10.000000	0.0	0.0	-0.000914	0.000775	0.013285	0.129885
280	-43.000000	12.000000	0.0	0.0	-0.004428	0.050000	0.903656	-172.734314
281	-43.000000	14.000000	0.0	0.0	-0.008115	0.053046	1.351246	0.411368
282	-43.000000	17.000000	0.0	0.0	-0.013554	0.060400	2.058013	1.344913
283	-43.000000	21.000000	0.0	0.0	-0.022110	0.062103	2.342092	1.545852
284	-43.000000	26.000000	0.0	0.0	-0.032877	0.067293	1.319714	0.739740
285	-43.000000	32.000000	0.0	28.871307	-0.047106	0.076805	0.566754	0.213369
286	-52.000000	32.000000	0.0	28.871307	-0.050168	0.061030	0.445352	0.131891
287	-52.000000	26.000000	0.0	0.0	-0.036164	0.053022	1.215718	0.420531
288	-52.000000	21.000000	0.0	0.0	-0.028425	0.050005	2.518591	0.841344
289	-52.000000	17.000000	0.0	0.0	-0.021123	0.049515	2.228482	0.666013
290	-52.000000	14.000000	0.0	0.0	-0.014751	0.045572	1.762735	0.185346
291	-52.000000	12.000000	0.0	0.0	-0.011610	0.050000	1.363203	29.153029
292	-52.000000	10.000000	0.0	0.0	-0.002659	0.000072	-0.025461	1.118670
293	-52.000000	8.000000	0.0	0.0	-0.002452	0.000064	0.014400	-0.001014
294	-52.000000	6.000000	0.0	0.0	-0.001507	0.000038	0.009225	-0.001015
295	-52.000000	3.000000	0.0	0.0	-0.001028	0.000449	0.006567	-0.000798
296	-52.000000	0.0	0.0	-28.871307	0.0	0.0	7.643311	20.889700
297	-61.000000	0.0	0.0	-28.871307	0.0	0.0	17.388127	15.494634
298	-61.000000	3.000000	0.0	0.0	-0.002405	0.000068	0.007700	-0.000129
299	-61.000000	6.000000	0.0	0.0	-0.004227	0.000819	0.010410	0.000028
300	-61.000000	8.000000	0.0	0.0	-0.007018	0.000875	0.016935	-0.000017
301	-61.000000	10.000000	0.0	0.0	-0.007612	0.000572	0.013022	0.000159
302	-61.000000	12.000000	0.0	0.0	-0.019146	0.027323	1.328656	-3.355767
303	-61.000000	14.000000	0.0	0.0	-0.024161	0.028151	1.747318	0.011810
304	-61.000000	17.000000	0.0	0.0	-0.028462	0.031415	2.438845	-1.468503
305	-61.000000	21.000000	0.0	0.0	-0.035557	0.022771	2.439948	0.309859
306	-61.000000	26.000000	0.0	0.0	-0.044463	0.026522	1.144917	0.155970
307	-61.000000	32.000000	0.0	28.871307	-0.055473	0.045686	0.350587	0.056753
308	-70.000000	32.000000	-12.206791	28.871307	-0.059796	0.039012	0.154000	-0.008126
309	-70.000000	26.000000	-12.206791	0.0	-0.049117	0.023510	0.564886	-0.015644
310	-70.000000	21.000000	-12.206791	0.0	-0.040645	0.016192	1.230130	-0.040594
311	-70.000000	17.000000	-12.206791	0.0	-0.034443	0.013123	2.759167	-29.178305
312	-70.000000	14.000000	-12.206791	0.0	-0.035498	0.003092	6.018941	30.844033
313	-70.000000	12.000000	-12.206791	0.0	-0.032244	0.0	0.007072	-35.713044
314	-70.000000	10.000000	-12.206791	0.0	-0.020863	0.0	0.007098	11.797130
315	-70.000000	8.000000	-12.206791	0.0	-0.018454	-0.000567	0.008013	0.001470
316	-70.000000	6.000000	-12.206791	0.0	-0.010551	-0.001288	0.005456	0.002851
317	-70.000000	3.000000	-12.206791	0.0	-0.006383	-0.001053	0.003853	0.002713
318	-70.000000	0.0	-12.206791	-28.871307	0.0	0.0	31.011677	38.519370

I.3.2.- Taller con relleno consolidable.

NUMERO DE ELEMENTOS = 340

NUMERO DE NODOS = 310

NUMERO DE NODOS CON MOVIMIENTO ESTABLECIDO = 36

NLAY	E1	E2	PR1	PR2	GE	GAMX	GAMY	ANIE
1	0.18000 05	0.18000 05	0.15000 00	0.15000 00	0.7826E 04	0.0	0.0	0.50000 02
2	0.23000 05	0.23000 05	0.15000 00	0.15000 00	0.10000 05	0.0	0.0	0.50000 02
3	0.60000 04	0.60000 04	0.25000 00	0.25000 00	0.24000 04	0.0	0.0	0.50000 02
4	0.11000 05	0.11000 05	0.20000 00	0.20000 00	0.45830 04	0.0	0.0	0.50000 02
5	0.50000 04	0.50000 04	0.45000 00	0.45000 00	0.17240 04	0.0	0.0	0.50000 02
6	0.80000 03	0.80000 03	0.40000 00	0.40000 00	0.2850E 03	0.0	0.0	0.50000 02
7	0.70000 01	0.70000 01	0.40000 00	0.40000 00	0.25000 01	0.0	0.0	0.50000 02
8	0.13000 02	0.13000 02	0.40000 00	0.40000 00	0.46000 01	0.0	0.0	0.50000 02
9	0.20000 02	0.20000 02	0.35000 00	0.35000 00	0.74000 01	0.0	0.0	0.50000 02
10	0.25000 02	0.25000 02	0.30000 00	0.30000 00	0.96000 01	0.0	0.0	0.50000 02
11	0.30000 02	0.30000 02	0.30000 00	0.30000 00	0.1150E 02	0.0	0.0	0.50000 02
12	0.11000 05	0.11000 05	0.20000 00	0.20000 00	0.45830 04	0.0	0.0	0.50000 02
13	0.60000 04	0.60000 04	0.25000 00	0.25000 00	0.24000 04	0.0	0.0	0.50000 02
14	0.23000 05	0.23000 05	0.15000 00	0.15000 00	0.10000 05	0.0	0.0	0.50000 02
15	0.11000 05	0.11000 05	0.20000 00	0.20000 00	0.45830 04	0.0	0.0	0.50000 02
16	0.60000 04	0.60000 04	0.25000 00	0.25000 00	0.24000 04	0.0	0.0	0.50000 02

CARACTERISTICAS DE LA DEFORMACION

	X-COMP FUERZA	Y-COMP FUERZA	X-TENS FUERZA	Y-TENS-FUERZA	XY-CORTANTE
1	0.7000000 03	0.7000000 03	0.7000000 02	0.7000000 02	0.7300000 02
2	0.9000000 03	0.9000000 03	0.9000000 02	0.9000000 02	0.9400000 02
3	0.3000000 03	0.3000000 03	0.4000000 02	0.2000000 02	0.3140000 02
4	0.5000000 03	0.5000000 03	0.5000000 02	0.5000000 02	0.5200000 02
5	0.1000000 03	0.1000000 03	0.1000000 02	0.1000000 02	0.1040000 02
6	0.2500000 03	0.2500000 03	0.2500000 02	0.2500000 02	0.2030000 02
7	0.1000000 01	0.1000000 01	0.1000000 00	0.1000000 00	0.1400000 00
8	0.4000000 01	0.4000000 01	0.4000000 00	0.4000000 00	0.4100000 00
9	0.7000000 01	0.7000000 01	0.7000000 00	0.7000000 00	0.7000000 00

1.3.2.1

12	0.500000D 03	0.500000D 03	0.500000E 02	0.500000E 02	0.520000D 02
13	0.300000D 03	0.300000D 03	0.300000E 02	0.300000E 02	0.314000D 02
14	0.900000D 03	0.900000D 03	0.900000E 02	0.900000E 02	0.940000D 02
15	0.500000D 03	0.500000D 03	0.500000E 02	0.500000E 02	0.520000D 02
16	0.300000D 03	0.300000D 03	0.300000E 02	0.300000E 02	0.314000D 02

ITERACIONES MAXIM. = 1000

FACTOR DE RELAJACION = 0.100 ERROR MAXIMO TOTAL = 0.10000 02

CONDICIONES DE CONTORNO

1	0	5	2	6	2	22	0	23	0	44	0	45	0	66	0	67	0	88	0	89	0	110	0
11	0	140	0	149	0	178	0	187	0	208	0	209	0	230	0	231	0	252	0	253	0	274	0
275	0	296	0	297	0	313	2	314	2	318	0												

SIN ESFUERZOS INICIALES

DEFORMACION EXTENDIDA DE VON MISES

100 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.325452D 04

200 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.295666D 04

300 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.274736D 04

400 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.260395D 04

500 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.250739D 04

600 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.234772D 04

700 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.226029D 04

800 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.218548D 04

900 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.212179D 04

1000 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.206491D 04

MAXIMO DE ITERACIONES COMPLETADO SIN CONVERGENCIA

1000 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.206491D 04

RESULTADOS DEL ANALISIS ELASTICO

2	2	21	22	8.27	13.64	2.13	14.38	1.54	70.75	0.00070466	0.00027069	70.75
3	22	23	23	1.51	9.58	6.27	12.24	-2.15	59.71	0.00008535	-0.00023356	59.71
4	21	24	23	6.74	14.59	1.57	15.30	0.43	79.27	0.00076918	0.00020255	79.27
5	23	24	44	2.51	14.25	2.29	14.87	1.61	77.29	0.00078572	-0.00004020	77.29
6	24	43	44	4.91	16.14	1.15	16.26	4.80	84.21	0.00083703	0.00010458	84.21
7	44	43	45	2.78	15.77	1.62	15.97	2.58	82.59	0.00084238	-0.00001232	82.59
8	43	46	45	3.79	16.47	1.02	16.55	3.71	85.42	0.00086304	0.00004365	85.42
9	45	46	66	2.88	16.30	1.24	16.42	2.76	84.78	0.00086505	-0.00000720	84.78
10	46	65	66	2.82	16.29	1.27	16.41	2.70	84.67	0.00086512	-0.00001035	84.67
11	66	65	67	2.80	16.30	1.26	16.42	2.70	84.67	0.00086512	-0.00000754	84.66
12	65	68	67	1.00	14.70	2.27	15.08	1.22	80.43	0.00080317	-0.00001627	80.43
13	67	68	88	2.69	14.88	1.69	15.10	2.40	82.31	0.00079725	-0.00001455	82.31
14	68	87	88	0.31	11.68	3.56	12.92	-0.53	72.57	0.00071666	-0.00017441	72.57
15	88	87	89	2.12	12.00	2.18	12.40	1.00	78.05	0.00060063	-0.00002540	78.05
16	87	90	89	-0.57	6.04	6.14	9.71	-4.24	59.14	0.00052782	-0.00032344	59.14
17	89	90	110	1.12	6.34	2.69	7.44	0.51	67.30	0.00040405	-0.00007070	67.30
18	90	109	111	4.78	14.64	12.24	22.90	-3.48	55.97	0.00127713	-0.00040663	55.97
19	109	112	111	1.90	22.31	8.23	25.21	-1.00	70.56	0.00137861	-0.00020016	70.56
20	109	112	111	1.90	22.31	8.23	25.21	-1.00	70.56	0.00137861	-0.00020016	70.56
21	111	112	140	3.38	22.57	-17.33	32.79	-6.84	-55.48	0.00184553	-0.00006538	-55.48
22	112	139	140	-1.43	-3.01	-1.97	2.18	-3.76	-20.82	0.00015416	-0.00022497	-20.82
23	140	139	149	-0.59	-3.37	2.30	0.75	-4.71	25.78	0.00000618	-0.00026325	25.78
24	139	150	149	2.39	-0.75	0.31	2.42	-0.78	5.65	0.00012875	-0.00006572	5.65
25	149	150	178	-0.21	-1.21	1.64	1.01	-2.43	36.56	0.00007788	-0.00014162	36.56
26	150	177	178	1.87	0.06	0.54	2.02	-0.09	15.48	0.00011035	-0.00002427	15.48
27	178	177	187	-0.05	-0.28	1.12	0.96	-1.29	42.07	0.00006447	-0.00007915	42.07
28	177	188	187	1.24	0.41	0.50	1.47	0.17	25.06	0.00007801	-0.00000455	25.06
29	187	188	208	0.03	0.19	0.79	0.91	-0.68	47.50	0.00005574	-0.00004551	47.90
30	188	207	208	0.88	0.55	0.44	1.18	0.25	34.53	0.00006180	0.00002203	34.53
31	208	207	209	0.07	0.40	0.57	0.83	-0.35	53.18	0.00004831	-0.00002708	53.18
32	207	210	209	0.69	0.61	0.34	0.99	0.31	41.61	0.00005088	0.00000758	41.61
33	209	210	230	0.09	0.51	0.40	0.75	-0.15	58.77	0.00004218	-0.00001551	58.77
34	210	229	230	0.56	0.66	0.23	0.84	0.37	51.21	0.00004231	0.00001153	51.21
35	230	229	231	0.10	0.58	0.28	0.70	-0.02	65.38	0.00003646	-0.00000007	65.38
36	229	232	231	0.44	0.72	0.11	0.76	0.40	71.23	0.00003721	0.00001470	71.23
37	231	232	252	0.12	0.66	0.14	0.70	0.08	76.22	0.00003711	-0.00000223	76.22
38	232	251	252	0.37	0.77	0.02	0.78	0.37	87.86	0.00002855	0.00001260	87.86
39	252	251	253	0.13	0.73	0.04	0.74	0.13	85.89	0.00003872	-0.00000020	85.89
40	251	254	253	-0.45	0.83	-0.12	0.86	0.32	-77.12	0.00004368	0.00000535	-77.12
41	253	254	274	0.14	0.80	-0.10	0.81	0.13	-81.49	0.00004294	-0.00000056	-81.49
42	254	273	274	0.44	0.96	-0.42	1.20	0.26	-60.75	0.00006297	-0.00000050	-60.75
43	274	273	275	0.16	0.91	-0.41	1.09	-0.02	-66.32	0.00005520	-0.00001135	-66.32
44	273	276	275	0.82	1.40	-1.11	2.26	-0.04	-52.30	0.00012307	-0.00002355	-52.30
45	275	276	296	0.23	1.29	-1.05	1.94	-0.42	-58.41	0.00010550	-0.00004141	-58.41
46	276	295	296	1.76	2.60	-2.86	5.06	-0.71	-45.15	0.00026174	-0.00008705	-45.15
47	296	295	297	0.42	2.36	-2.71	4.27	-1.45	-54.87	0.00024598	-0.00012175	-54.87
48	295	298	297	3.79	4.46	-6.75	10.88	-2.04	-46.42	0.00061600	-0.00024736	-46.42
49	297	298	318	0.69	3.91	-6.54	9.03	-4.42	-51.92	0.00053287	-0.00032723	-51.92
50	298	317	318	7.05	-5.29	-15.26	17.34	-15.58	-33.55	0.00105108	-0.00012007	-33.55
51	2	3	21	7.49	0.00	9.46	13.92	-0.42	34.20	0.00003562	-0.00037734	34.20
52	3	20	21	16.79	11.86	1.16	17.05	11.60	12.59	0.00003755	0.00036506	12.59
53	21	20	24	7.02	10.13	3.94	12.81	4.34	55.75	0.00051156	0.00001823	55.75
54	20	25	24	11.34	14.59	0.15	14.59	11.33	87.35	0.00053520	0.00027212	87.35
55	24	25	43	5.01	13.47	1.82	13.85	4.64	70.33	0.00055370	0.00005318	70.33
56	25	42	43	7.94	16.10	-0.19	16.10	7.84	-88.66	0.00082545	0.00021230	-88.66
57	43	42	44	2.85	15.39	0.80	15.49	3.80	86.04	0.00062805	0.00004599	86.04
58	42	47	46	5.76	16.94	-0.42	17.00	5.74	-87.06	0.00007944	0.00011646	-87.06
59	46	47	65	2.84	16.37	0.40	16.48	2.84	88.33	0.00006924	-0.00000343	88.33
60	47	65	66	4.39	17.06	-0.56	17.09	4.37	-87.72	0.00011440	0.00005360	-87.72
61	65	64	69	1.75	17.09	0.07	17.11	1.73	87.88	0.00031440	-0.00005466	87.88
62	64	69	68	3.90	17.09	0.03	17.09	3.90	89.89	0.00070167	0.00001211	89.89
63	68	69	87	0.70	16.03	1.43	16.16	0.57	84.50	0.00070806	-0.00001138	84.90
64	69	86	87	2.53	15.57	1.74	15.80	2.30	82.51	0.00065433	-0.00002053	82.51
65	87	86	90	0.55	15.23	3.86	15.84	-0.02	78.66	0.00067354	-0.00011904	78.66

67	90	91	109	5.65	12.73	11.47	20.99	-5.26	54.25	C.CCC5360E	-C.CCCC2350	54.25
68	91	108	109	-1.99	14.52	8.65	18.22	-5.65	66.82	C.CCC61717	-C.CCC37856	66.82
69	105	108	112	0.02	14.87	5.85	16.90	-2.01	70.88	C.CCC73335	-C.CCC21216	70.88
70	108	113	112	-3.90	11.32	8.61	15.20	-7.79	65.74	C.CCC70434	-C.CCC44489	65.74
71	112	113	139	4.77	12.85	-5.32	15.49	2.13	-63.61	C.CCC64216	-C.CCCC2565	-63.61
72	113	138	139	1.81	1.74	1.71	3.49	0.00	44.44	C.CCC1477E	-C.CCCC235C	44.44
73	139	138	150	3.58	2.05	-1.20	4.24	1.39	-28.80	C.CCC16986	C.CCCC274C	-28.80
74	138	151	150	3.33	0.14	-0.03	3.33	0.14	-0.62	C.CCC14039	-C.CCCC1903	-0.62
75	150	151	177	2.37	-0.03	-0.26	2.39	-0.06	-6.18	C.CCC10217	-C.CCCC2043	-6.18
76	151	176	177	2.20	0.33	-0.45	2.30	0.23	-12.77	C.CCCC5623	-C.CCCCC75C	-12.77
77	177	176	189	1.52	0.21	0.16	1.54	0.19	7.01	C.CCCC6426	-C.CCCCC344	7.01
78	176	189	188	1.74	0.51	-0.05	1.74	0.51	-2.23	C.CCCC7012	C.CCCCC856	-2.23
79	188	189	207	1.07	0.39	0.33	1.20	0.26	21.95	C.CCCC4917	C.CCCCC207	21.95
80	189	206	207	1.46	0.50	0.20	1.50	0.46	11.32	C.CCCC6016	C.CCCCC815	11.32
81	207	206	210	0.82	0.38	0.31	0.97	0.22	27.39	C.CCCC3973	C.CCCCC221	27.39
82	206	211	210	1.19	0.52	0.16	1.23	0.49	12.75	C.CCCC4863	C.CCCC1141	12.75
83	210	211	229	0.64	0.42	0.23	0.79	0.27	32.70	C.CCCC3131	C.CCCCC578	32.70
84	211	228	229	0.93	0.58	0.09	0.95	0.55	13.82	C.CCCC3633	C.CCCC1634	13.82
85	229	228	232	0.49	0.50	0.17	0.66	0.33	45.77	C.CCCC2563	C.CCCCC885	45.77
86	229	233	232	0.70	0.67	0.03	0.72	0.65	30.77	C.CCCC2586	C.CCCC22CC	30.77
87	232	233	251	0.41	0.61	0.10	0.65	0.37	68.24	C.CCCC2495	C.CCCC1E7C	68.34
88	233	250	251	0.59	0.72	-0.00	0.72	0.59	-87.91	C.CCCC264C	C.CCCC1953	-87.91
89	251	250	254	0.38	0.69	0.04	0.69	0.38	81.92	C.CCCC2470	C.CCCC1074	81.92
90	250	255	254	0.54	0.75	-0.07	0.76	0.52	-73.90	C.CCCC2863	C.CCCC1626	-73.90
91	254	255	273	0.47	0.73	-0.06	0.75	0.46	-77.75	C.CCCC2832	C.CCCC14C1	-77.75
92	255	272	273	0.64	0.76	-0.24	0.95	0.45	-51.87	C.CCCC3681	C.CCCC12C5	-51.87
93	273	272	276	0.87	0.80	-0.30	1.13	0.54	-41.48	C.CCCC441C	C.CCCC143C	-41.48
94	272	277	276	1.23	-0.91	-0.69	1.78	0.36	-38.39	C.CCCC7286	C.CCCCC159	-38.39
95	276	277	295	1.84	1.01	-0.79	2.32	0.53	-31.29	C.CCCC5461	C.CCCCC521	-31.29
96	277	294	295	2.87	1.51	-2.04	4.34	0.04	-35.81	C.CCC18408	-C.CCCC3C75	-35.81
97	295	294	298	4.14	1.74	-2.08	5.34	0.54	-29.98	C.CCCC2295	-C.CCCC171S	-29.98
98	294	299	298	7.36	2.16	-6.07	11.36	-1.84	-33.40	C.CCC45655	-C.CCC18337	-33.40
99	298	299	317	10.69	2.75	-3.95	12.32	1.12	-22.41	C.CCC51515	-C.CCCC4476	-22.41
100	299	316	317	16.85	1.11	-11.78	23.15	-5.18	-28.13	C.CC102259	-C.CCC35352	-28.13
101	3	4	20	4.81	2.43	5.23	8.98	-1.75	38.59	C.CC145467	-C.CCC7414C	38.59
102	4	19	20	11.15	11.28	0.53	11.77	10.71	47.37	C.CC12E064	C.CC106C51	47.37
103	20	19	25	5.51	9.39	1.85	10.13	4.77	68.15	C.CC133364	C.CCC21849	68.15
104	19	26	25	8.91	14.41	-0.58	14.47	8.85	-84.09	C.CC175555	C.CCCC2853	-84.09
105	25	26	42	5.82	13.38	0.15	13.38	5.82	88.87	C.CC178819	C.CCC21151	88.87
106	26	41	42	7.73	16.21	-0.99	16.33	7.62	-83.44	C.CC215402	C.CCC34018	-83.44
107	42	41	47	5.96	15.62	-0.47	15.64	5.93	-87.25	C.CC213502	C.CCC1125E	-87.25
108	41	48	47	6.94	17.35	-1.04	17.45	6.83	-84.34	C.CC237124	C.CCC15855	-84.34
109	47	48	64	6.03	17.05	-0.58	17.08	6.00	-87.00	C.CC235602	C.CCCC4841	-87.00
110	48	63	64	6.45	18.39	-0.86	18.45	6.38	-85.90	C.CC254560	C.CCCC3662	-85.90
111	64	63	69	6.18	18.30	-0.27	18.30	6.17	-88.72	C.CC253622	C.CCCC1066	-88.72
112	63	70	69	5.85	19.04	-0.16	19.04	5.85	-89.31	C.CC267099	-C.CCCC7834	-89.31
113	69	70	86	6.34	19.21	0.60	19.23	6.31	87.32	C.CC267647	-C.CCCC1535	87.32
114	70	85	86	4.87	19.10	1.00	19.17	4.80	86.01	C.CC274452	-C.CCC24816	86.01
115	86	85	91	6.29	19.57	1.96	19.86	6.01	81.78	C.CC278538	-C.CCCC5515	81.78
116	85	92	91	3.58	18.34	2.94	18.91	3.02	79.13	C.CC279771	-C.CCC51361	79.13
117	91	92	108	5.04	18.03	3.50	19.67	4.20	76.55	C.CC285413	-C.CCC36752	76.55
118	92	107	108	1.82	15.56	5.55	17.52	-0.14	70.54	C.CC274435	-C.CCC53436	70.54
119	108	107	113	3.80	16.22	3.66	17.22	2.80	74.73	C.CC254418	-C.CCC45569	74.73
120	107	114	113	1.98	7.31	6.35	11.52	-2.24	56.39	C.CC151731	-C.CCC55CC7	56.39
121	113	114	124	4.42	8.12	5.10	11.70	0.84	54.96	C.CC178408	-C.CCC47748	54.96
122	113	124	138	1.15	2.24	1.26	3.07	0.32	56.61	C.CCC46314	-C.CCC10560	56.61
123	124	137	138	3.09	-0.42	3.21	5.00	-2.32	30.67	C.CC050152	-C.CCC62303	30.67
124	138	137	143	4.03	-0.10	0.36	4.06	-0.14	4.97	C.CC064185	-C.CCC23265	4.97
125	138	143	151	0.45	-1.36	-0.27	0.45	-1.40	-8.44	C.CCC14182	-C.CCC2435C	-8.44
126	143	152	151	1.42	0.06	-1.19	2.11	-0.63	-30.13	C.CCC36256	-C.CCC20774	-30.13
127	151	152	162	0.60	-0.21	-1.06	1.33	-0.94	-34.57	C.CCC25615	-C.CCC2166E	-34.57
128	151	162	176	0.79	0.62	-0.50	1.21	0.20	-40.20	C.CCC17879	-C.CCCC3152	-40.20
129	162	175	176	0.40	0.86	-0.69	1.35	-0.10	-54.36	C.CCC21615	-C.CCCC654C	-54.36
130	176	175	184	0.24	0.81	-0.32	0.95	0.10	-65.91	C.CCC14332	-C.CCCC3416	-65.91
131	176	184	189	0.78	1.01	-0.21	1.14	0.66	-58.98	C.CCC14360	C.CCCC4342	-58.98

132	184	190	189	0.22	0.65	-0.00	0.65	0.22	-85.61	0.00005094	-0.00000015	-89.61
133	189	190	206	0.64	0.79	-0.04	0.81	0.63	-75.45	0.00005225	0.00005560	-75.45
134	190	205	206	0.45	0.50	0.00	0.56	0.40	53.32	0.00006614	0.00003335	53.32
135	206	205	211	0.47	0.50	0.00	0.50	0.47	66.46	0.00005447	0.00004675	86.46
136	205	212	211	0.44	0.49	0.01	0.50	0.44	77.73	0.00005455	0.00004277	77.73
137	211	212	228	0.38	0.47	0.01	0.48	0.38	82.18	0.00005438	0.00003463	82.18
138	212	227	228	0.37	0.55	-0.00	0.55	0.37	-88.65	0.00006631	0.00002588	-88.65
139	228	227	233	0.34	0.54	0.03	0.54	0.33	81.62	0.00006721	0.00002353	81.62
140	227	234	233	0.36	0.66	0.01	0.67	0.36	87.59	0.00006510	0.00002181	87.59
141	233	234	250	0.34	0.66	0.05	0.67	0.34	81.53	0.00006651	0.00001805	81.53
142	234	249	250	0.43	0.72	0.00	0.72	0.43	85.28	0.00005072	0.00002527	85.28
143	250	249	255	0.34	0.69	0.02	0.70	0.34	86.32	0.00005101	0.00001650	86.32
144	249	256	255	0.41	0.73	-0.03	0.73	0.41	-84.43	0.00005297	0.00002533	-84.43
145	255	256	272	0.38	0.72	-0.03	0.72	0.37	-85.33	0.00005281	0.00002102	-85.33
146	256	271	272	0.44	0.69	-0.13	0.74	0.38	-67.48	0.00005577	0.00002130	-67.48
147	272	271	277	0.53	0.72	-0.15	0.80	0.45	-61.44	0.00001040	0.00002857	-61.44
148	271	278	277	0.68	0.66	-0.38	1.05	0.29	-44.56	0.00014513	-0.00000555	-44.56
149	277	278	294	0.96	0.76	-0.43	1.30	0.42	-38.36	0.00018078	-0.00000168	-38.36
150	278	293	294	1.40	0.74	-1.16	2.27	-0.13	-37.12	0.00036233	-0.00013938	-37.12
151	294	293	299	2.24	1.02	-1.18	2.96	0.31	-31.34	0.00044591	-0.00010600	-31.34
152	293	300	299	3.59	1.08	-3.40	5.96	-1.25	-34.84	0.00055778	-0.00005138	-34.84
153	299	300	316	5.05	1.56	-2.83	6.63	-0.02	-29.18	0.00103675	-0.00003480	-29.18
154	300	315	316	10.03	5.67	-9.12	17.23	-1.53	-38.28	0.00277171	-0.00013637	-38.28
155	4	5	19	13.92	2.43	-0.65	13.95	2.40	-3.24	0.00116552	-0.00005542	-3.24
156	5	18	19	15.84	11.46	-1.39	16.24	11.06	-16.21	0.00117835	0.00001060	-16.21
157	19	18	26	9.44	9.96	1.34	11.24	8.56	46.31	0.00079452	0.00005153	46.31
158	18	27	26	13.02	14.57	-1.60	15.58	12.02	-57.95	0.00109715	0.00006656	-57.95
159	26	27	41	7.47	13.19	-0.49	13.23	7.42	-85.12	0.00059242	0.00035925	-85.12
160	27	40	41	9.46	16.77	-1.99	17.28	8.95	-75.73	0.00131265	0.00040448	-75.73
161	41	40	48	6.04	15.92	-1.04	16.03	5.54	-84.04	0.00126539	0.00016825	-84.04
162	40	49	48	7.24	18.34	-1.96	18.68	6.90	-80.26	0.00147573	0.00015498	-80.25
163	48	49	63	5.02	17.79	-1.08	17.88	4.92	-85.18	0.00145288	0.00003970	-85.18
164	49	62	63	6.06	19.87	-1.88	20.12	5.81	-82.37	0.00162558	0.00006776	-82.37
165	63	62	70	3.94	19.34	-0.68	19.37	3.91	-87.48	0.00160531	-0.00006120	-87.48
166	62	71	70	5.31	21.28	-1.63	21.45	5.14	-84.22	0.00175597	-0.00001527	-84.22
167	70	71	85	2.47	20.57	-0.02	20.57	2.47	-89.93	0.00174156	-0.00023365	-89.93
168	71	84	85	4.78	22.75	-1.37	22.85	4.68	-85.66	0.00185234	-0.00005054	-85.66
169	85	84	92	0.91	21.78	-1.34	21.87	0.82	86.35	0.00189030	-0.00040531	86.35
170	84	93	92	3.76	24.46	-0.32	24.46	3.75	-89.11	0.00205254	-0.00002637	-89.11
171	92	93	107	-0.16	23.48	4.67	24.37	-1.05	75.21	0.00214562	-0.00062305	75.21
172	93	106	107	-2.11	18.49	8.41	21.49	-5.11	70.38	0.00158718	-0.00051483	70.38
173	107	106	114	4.20	20.07	7.16	22.82	1.45	68.97	0.00156038	-0.00037181	68.97
174	106	115	114	9.16	4.82	10.25	13.46	-3.49	39.03	0.00160032	-0.00006538	39.03
175	114	115	123	-10.26	-0.03	4.44	1.63	-11.52	69.50	0.00040200	-0.00013547	69.50
176	114	123	124	3.74	2.68	1.81	5.10	1.32	36.82	0.00041612	0.00000374	36.82
177	123	125	124	-0.33	-0.17	4.18	3.93	-4.43	45.53	0.00043583	-0.00047268	45.53
178	124	125	129	-12.24	-3.15	4.60	-1.22	-14.16	67.31	0.00020211	-0.00012516	67.31
179	124	129	137	5.85	0.28	0.90	6.00	0.13	8.99	0.00052640	-0.00011927	8.99
180	129	136	137	-1.26	-6.18	6.46	3.19	-10.63	34.58	0.00051034	-0.00059705	34.58
181	137	136	142	-15.54	-9.74	10.64	-1.61	-23.67	52.61	0.00037605	-0.00023066	52.61
182	137	142	143	5.25	-8.12	-2.84	5.83	-8.70	-11.50	0.00065833	-0.00006644	-11.50
183	142	144	143	-3.50	-2.30	-9.22	6.34	-12.14	-46.87	0.00081806	-0.00115752	-46.87
184	143	144	148	-12.28	-4.49	-5.45	-1.69	-15.08	-62.77	0.00061173	-0.00127530	-62.77
185	143	148	152	2.47	-0.16	-2.31	3.81	-1.50	-30.18	0.00036525	-0.00021354	-30.18
186	148	153	152	1.56	1.47	-3.95	5.46	-2.43	-44.66	0.00052970	-0.00033166	-44.66
187	152	153	161	-9.25	-1.24	-2.55	-0.49	-9.99	-73.74	0.00017527	-0.00006142	-73.74
188	152	161	162	1.61	1.65	-1.44	3.08	0.19	-45.47	0.00026436	-0.00005088	-45.47
189	161	163	162	3.22	2.54	-2.15	5.06	0.70	-40.54	0.00042632	-0.00004512	-40.54
190	162	163	167	-8.57	-0.40	-1.44	-0.16	-8.82	-80.26	0.00017876	-0.00076647	-80.26
191	162	167	175	0.69	2.00	-0.75	2.34	0.36	-65.57	0.00015642	-0.00002004	-65.57
192	167	174	175	3.50	2.81	-1.27	4.48	1.84	-37.37	0.00035051	0.00006280	-37.37
193	175	174	179	-9.32	-0.40	-0.64	-0.35	-9.37	-85.94	0.00017371	-0.00005968	-85.94
194	175	179	184	0.47	2.10	-0.09	2.10	0.47	-86.67	0.00017320	-0.00000520	-86.67
195	179	183	184	2.95	2.67	-0.42	3.25	2.37	-35.63	0.00023197	0.00013551	-35.64
196	184	183	185	-11.54	-0.96	0.56	-0.93	-11.57	86.96	0.00017151	-0.00058540	86.96
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

198	185	191	190	1.66	0.96	1.21	2.58	0.02	36.51	0.00022300	-0.00001102	[illegible]
199	190	191	205	0.70	0.72	0.11	0.82	0.60	46.25	0.00005897	-0.00003399	46.25
200	191	204	205	0.76	0.48	0.17	0.84	0.40	25.20	0.00006440	0.00001632	25.20
201	205	204	212	0.61	0.44	-0.07	0.63	0.41	-20.49	0.00004627	0.00002207	-20.49
202	204	213	212	0.39	0.55	-0.04	0.56	0.38	-76.39	0.00004031	0.00002099	-76.39
203	212	213	227	0.49	0.57	-0.03	0.58	0.48	-72.51	0.00004027	0.00002888	-72.51
204	213	226	227	0.39	0.62	-0.01	0.62	0.39	-86.39	0.00004530	0.00002044	-86.39
205	227	226	234	0.41	0.62	0.02	0.62	0.40	84.47	0.00004542	0.00002167	84.47
206	226	235	234	0.30	0.73	0.07	0.74	0.29	81.46	0.00005788	0.00002915	81.46
207	234	235	249	0.53	0.78	0.15	0.86	0.46	64.60	0.00006482	0.00002126	64.60
208	235	248	249	0.83	0.76	-0.00	0.83	0.76	-1.73	0.00005519	0.00004845	-1.73
209	249	248	256	0.47	0.67	0.01	0.67	0.47	88.34	0.00004848	0.00002555	88.34
210	248	257	256	0.50	0.74	-0.02	0.75	0.50	-84.61	0.00005418	0.00002738	-84.61
211	256	257	271	0.56	0.76	0.00	0.76	0.56	89.37	0.00005354	0.00003222	89.37
212	257	270	271	0.56	0.65	-0.03	0.66	0.55	-71.07	0.00004573	0.00003353	-71.07
213	271	270	278	1.00	0.76	-0.06	1.02	0.74	-13.84	0.00007272	0.00004273	-13.84
214	270	279	278	0.99	0.47	-0.12	1.02	0.44	-12.94	0.00007501	0.00001655	-12.94
215	278	279	293	2.26	0.79	-0.21	2.29	0.76	-8.15	0.00018295	0.00001638	-8.15
216	279	292	293	2.28	0.15	-0.49	2.38	0.64	-12.28	0.00020716	-0.00004825	-12.28
217	293	292	300	6.06	1.10	-0.52	6.12	1.04	-5.86	0.00051094	-0.00004246	-5.86
218	292	301	300	6.40	-0.46	-1.68	6.79	-0.85	-13.06	0.00061133	-0.00022205	-13.06
219	300	301	315	14.99	1.69	-1.13	15.09	1.60	-4.83	0.00128213	-0.00016552	-4.83
220	301	314	315	18.60	7.95	-5.29	20.78	5.77	-22.40	0.00168817	0.00004566	-22.40
221	5	6	18	21.47	17.57	-2.48	22.68	16.36	-25.92	0.00148260	-0.00035032	-25.92
222	6	17	18	18.85	14.02	-2.59	19.97	12.90	-23.49	0.00150271	-0.00054946	-23.49
223	18	17	27	12.05	8.46	-1.88	12.85	7.66	-23.14	0.00105120	-0.00045038	-23.14
224	17	28	27	19.24	17.18	-2.19	20.63	15.79	-32.36	0.00122922	-0.00017305	-32.36
225	27	28	40	12.26	11.47	-1.74	13.65	10.08	-38.56	0.00086225	-0.00017403	-38.56
226	28	39	40	18.55	19.18	-2.08	20.97	16.76	-45.28	0.00119784	-0.00006365	-45.28
227	40	39	49	14.30	15.70	-1.59	16.73	13.28	-56.91	0.00093602	-0.00006815	-56.91
228	39	50	49	18.34	20.71	-1.88	21.74	17.30	-61.14	0.00120951	-0.00007721	-61.14
229	49	50	62	15.92	18.73	-1.41	19.32	15.34	-67.39	0.00108063	-0.00007595	-67.39
230	50	61	62	18.61	22.17	-1.59	22.78	18.00	-69.08	0.00123307	-0.00013043	-69.08
231	62	61	71	17.15	20.97	-1.07	21.25	16.87	-75.35	0.00118795	-0.00006251	-75.35
232	61	72	71	19.35	23.83	-1.21	24.14	19.04	-75.84	0.00136446	-0.00011224	-75.84
233	71	72	84	18.30	22.97	-0.65	23.06	18.21	-82.24	0.00130165	-0.00014463	-82.24
234	72	83	84	21.11	26.49	-0.97	26.66	20.94	-80.13	0.00151885	-0.00013841	-80.13
235	84	83	93	18.91	24.69	0.09	24.69	18.91	89.09	0.00147058	-0.00002626	89.09
236	83	94	93	26.61	36.08	-0.86	36.16	26.54	-84.84	0.00230420	-0.00046607	-84.84
237	93	94	106	24.26	34.15	3.77	35.43	22.99	71.35	0.00265053	-0.00005654	71.35
238	94	105	106	36.98	59.90	-3.52	60.43	36.45	-81.46	0.00488250	-0.00027298	-81.46
239	115	116	123	9.89	16.11	0.89	16.23	9.76	82.04	0.01020682	-0.00111220	82.03
240	116	122	123	10.12	16.48	0.23	16.49	10.11	87.92	0.01023583	-0.00052424	87.92
241	125	126	129	10.77	17.58	0.87	17.69	10.66	82.85	0.01111256	-0.00119040	82.84
242	126	128	129	10.40	17.54	0.26	17.55	10.39	87.90	0.01115432	-0.00137402	87.90
243	136	135	142	11.34	18.65	1.28	18.86	11.13	80.36	0.01202073	-0.00152470	80.34
244	135	141	142	10.47	18.25	0.73	18.32	10.40	84.65	0.01195703	-0.00153064	84.64
245	144	145	148	12.93	20.78	-0.45	20.81	12.90	-86.75	0.01281760	-0.00010818	-86.74
246	145	147	148	12.84	20.47	0.32	20.48	12.83	87.58	0.01252504	-0.00066675	87.57
247	153	154	161	12.28	19.53	-0.32	19.54	12.26	-87.50	0.01193706	-0.00080441	-87.50
248	154	160	161	12.51	19.62	-0.14	19.63	12.50	-88.84	0.01185563	-0.00061053	-88.84
249	163	164	167	12.34	19.57	-0.29	19.58	12.33	-87.74	0.01192688	-0.00075832	-87.73
250	164	166	167	12.86	19.96	-0.44	19.99	12.83	-86.50	0.01200401	-0.00051728	-86.49
251	174	173	179	12.90	20.50	-0.28	20.51	12.89	-87.50	0.01251405	-0.00082276	-87.89
252	173	180	179	13.68	21.19	-0.77	21.26	13.61	-84.18	0.01280396	-0.00055558	-84.17
253	183	182	185	14.09	22.55	-0.27	22.55	14.08	-88.20	0.01382341	-0.00100019	-88.20
254	182	186	185	15.03	23.52	-1.31	23.72	14.83	-81.42	0.01451587	-0.00102709	-81.40
255	191	192	204	0.16	0.24	-0.00	0.24	0.16	-87.74	0.01628401	0.00003033	-87.74
256	192	203	204	0.19	0.29	-0.01	0.29	0.19	-84.21	0.01940009	-0.00035644	-84.21
257	204	203	213	0.36	0.54	-0.01	0.54	0.36	-88.36	0.01921452	0.00000632	-88.36
258	203	214	213	0.37	0.57	-0.01	0.57	0.37	-87.01	0.02082068	-0.00046265	-86.98
259	213	214	226	0.36	0.67	-0.01	0.67	0.36	-89.07	0.02076125	0.00001501	-89.07
260	214	225	226	0.36	0.69	-0.01	0.69	0.36	-88.52	0.02166706	-0.00041707	-88.51
261	226	225	235	0.37	0.70	-0.00	0.70	0.37	-89.66	0.02165296	0.00001546	-89.66
262	225	236	235	0.37	0.71	-0.00	0.71	0.37	-89.87	0.02212560	-0.00003102	-89.87
263	235	236	246	0.32	0.74	0.14	0.75	0.28	73.10	0.02436056	-0.00224056	73.08

264	236	247	248	0.11	0.74	0.01	0.74	0.31	[illegible]	[illegible]	[illegible]
265	248	247	257	0.32	0.74	0.01	0.74	0.32	89.06	0.02206732	0.00002173	89.06
266	247	258	257	0.30	0.70	0.01	0.70	0.30	88.20	0.02083368	-0.00002916	88.20
267	257	258	270	0.36	0.84	0.01	0.84	0.36	88.88	0.02082115	0.00002674	88.87
268	258	269	270	0.32	0.73	0.00	0.73	0.32	89.55	0.01905008	0.00003569	89.55
269	270	269	279	0.31	0.72	-0.01	0.72	0.31	-89.28	0.01751082	0.00007305	-89.28
270	269	280	279	0.29	0.63	-0.02	0.63	0.25	-86.47	0.01530792	0.00052856	-86.46
271	279	280	292	0.27	0.62	-0.03	0.62	0.27	-85.32	0.01535404	0.00009317	-85.30
272	280	291	292	0.24	0.51	-0.04	0.51	0.23	-80.57	0.01254250	0.00033163	-80.94
273	292	291	301	0.23	0.50	-0.05	0.51	0.23	-79.62	0.01264798	0.00016063	-79.58
274	291	302	301	0.12	0.21	-0.05	0.24	0.10	-65.04	0.00590578	-0.00001331	-64.99
275	301	302	314	0.14	0.22	-0.07	0.26	0.10	-59.28	0.00669074	-0.00004552	-59.24
276	302	313	314	0.06	0.03	-0.06	0.11	-0.02	-37.21	0.00358605	-0.00007250	-37.24
277	6	7	17	18.25	19.05	-4.44	23.11	14.19	-47.59	0.00017757	0.00007335	-47.59
278	7	16	17	16.55	12.58	-3.55	18.63	10.50	-30.36	0.00135664	0.00050561	-30.36
279	17	16	28	12.36	11.53	-3.16	15.14	8.76	-41.24	0.00112985	0.00043404	-41.24
280	16	29	28	13.27	16.46	-3.39	18.61	11.11	-57.58	0.00138181	0.00056367	-57.58
281	28	29	39	9.08	15.41	-2.52	16.29	8.20	-70.72	0.00124301	0.00035976	-70.71
282	29	38	39	10.16	19.59	-3.34	20.66	9.10	-72.35	0.00160405	0.00034370	-72.35
283	39	38	50	7.27	18.87	-2.07	19.23	6.91	-80.18	0.00152720	0.00018344	-80.18
284	38	51	50	8.31	21.95	-2.98	22.57	7.66	-78.15	0.00180232	0.00017756	-78.19
285	50	51	61	6.73	21.43	-1.61	21.60	6.06	-84.03	0.00175262	0.00005756	-84.03
286	51	60	61	7.13	24.17	-2.41	24.51	6.80	-82.16	0.00195063	0.00005854	-82.10
287	61	60	72	5.68	23.81	-0.88	23.85	5.64	-87.24	0.00195874	-0.00002843	-87.24
288	60	73	72	5.89	26.43	-1.29	26.51	5.81	-86.41	0.00218698	-0.00007172	-86.41
289	72	73	83	5.56	26.35	-0.01	26.35	5.56	-89.97	0.00217814	-0.00006930	-89.97
290	73	82	83	4.07	28.79	-0.30	28.79	4.07	-89.31	0.00242396	-0.00027255	-89.31
291	83	82	94	1.74	28.21	-0.08	28.21	1.74	-89.83	0.00242360	-0.00046345	-89.83
292	82	95	94	2.25	32.32	-1.47	32.39	2.18	-87.21	0.00277550	-0.00051656	-87.21
293	94	95	105	-14.99	28.01	-9.99	30.22	-17.20	-77.53	0.00301277	-0.00216062	-77.53
294	95	104	105	2.42	23.97	-6.97	26.03	0.36	-73.56	0.00226366	-0.00053629	-73.56
295	105	104	116	10.32	25.95	-10.02	30.84	5.43	-63.98	0.00257287	-0.00015916	-63.98
296	104	117	116	5.86	18.84	-6.55	21.57	3.13	-67.38	0.00181441	-0.00015771	-67.38
297	116	117	122	-6.48	15.76	-1.18	15.82	-6.54	-86.57	0.00152366	-0.00051630	-86.97
298	117	127	122	8.24	20.01	-3.98	21.23	7.02	-72.95	0.00169533	0.00014564	-72.95
299	122	127	126	1.43	21.75	-1.69	21.89	1.29	-85.27	0.00188239	-0.00036476	-85.27
300	126	127	128	-10.89	18.67	-3.15	19.00	-11.22	-83.98	0.00150344	-0.00135420	-83.98
301	127	134	128	9.14	24.35	-6.59	26.81	6.68	-69.55	0.00219402	-0.00000112	-69.54
302	128	134	135	-4.92	27.97	-1.85	28.07	-5.02	-86.79	0.00255963	-0.00105074	-86.79
303	135	134	141	-14.00	25.70	-0.93	25.72	-14.02	-88.66	0.00255066	-0.00178452	-88.66
304	134	146	141	2.20	9.45	4.61	11.69	-0.04	64.05	0.00102155	-0.00025857	64.05
305	141	146	145	-1.22	12.11	2.25	12.48	-1.55	80.67	0.00112422	-0.00041110	80.67
306	145	146	147	-6.99	10.67	10.24	15.37	-11.66	65.38	0.00159596	-0.00135476	65.38
307	146	155	147	2.49	15.80	-1.14	15.90	2.39	-85.16	0.00133551	-0.00013831	-85.16
308	147	155	154	6.74	22.94	5.34	24.54	5.14	73.31	0.00202987	-0.00008603	73.31
309	154	155	160	-1.73	20.83	2.84	21.18	-2.08	82.93	0.00189387	-0.00064385	82.92
310	155	165	160	1.52	22.69	-1.48	22.79	1.41	-86.03	0.00195840	-0.00037355	-86.03
311	160	165	164	11.32	26.07	0.88	26.12	11.27	86.58	0.00203368	0.00041343	86.58
312	164	165	166	0.45	23.35	-0.05	23.35	0.45	-89.86	0.00202814	-0.00047028	-89.86
313	165	172	166	1.14	24.17	-2.65	24.47	0.84	-83.51	0.00211730	-0.00048043	-83.51
314	166	172	173	13.35	26.16	-1.84	26.42	13.05	-81.98	0.00202004	0.00056621	-81.98
315	173	172	180	0.45	22.93	-2.80	23.28	0.11	-83.01	0.00202522	-0.00045866	-83.01
316	172	181	180	0.33	23.38	-4.70	24.31	-0.59	-78.90	0.00213405	-0.00056170	-78.90
317	180	181	182	13.33	23.44	-5.82	26.09	10.68	-65.50	0.00204408	0.00036255	-65.50
318	182	181	186	-2.94	19.37	-8.39	22.18	-5.75	-71.52	0.00206102	-0.00056556	-71.52
319	181	193	186	3.68	20.55	-6.72	22.90	1.33	-70.72	0.00196930	-0.00036362	-70.72
320	186	193	192	10.42	13.48	-14.11	26.14	-2.24	-46.10	0.00233050	-0.00076585	-48.10
321	192	193	203	0.52	11.01	-4.47	12.78	-1.26	-65.16	0.00114334	-0.00036515	-65.16
322	193	202	203	2.42	6.97	-4.03	9.33	0.07	-59.72	0.00081298	-0.00015774	-59.72
323	203	202	214	-3.24	5.56	0.17	5.56	-3.24	88.51	0.00055607	-0.00040413	88.91
324	202	215	214	2.76	5.61	-1.65	6.37	2.01	-65.45	0.00051151	0.00003621	-65.45
325	214	215	225	-3.60	4.02	0.84	4.12	-3.69	83.79	0.00043574	-0.00041221	83.79
326	215	224	225	1.94	4.87	-1.08	5.22	1.58	-71.87	0.00042107	0.00002436	-71.87
327	225	224	236	-2.51	3.76	1.34	4.03	-2.78	76.35	0.00041278	-0.00033101	78.35
328	224	237	236	0.89	4.56	-0.56	4.64	0.60	-81.50	0.00038776	-0.00003112	-81.50
329	236	237	247	-2.10	3.81	1.18	4.04	-2.33	79.10	0.00040344	-0.00029145	79.10

330	237	246	247	0.93	3.73	-0.43	1.88	0.64	-81.54	0.00031235	-0.00000116	-81.54
331	247	246	258	0.83	3.71	1.44	4.30	0.23	67.48	0.00037063	-0.00007378	67.48
332	246	259	258	2.21	3.19	0.06	3.19	2.21	86.23	0.00023017	0.00012324	86.23
333	258	259	269	5.00	3.88	1.00	5.59	3.29	30.41	0.00041591	0.00016558	30.41
334	259	268	269	5.05	2.56	0.53	5.16	2.45	11.47	0.00039661	0.00010156	11.47
335	269	268	280	7.49	3.17	0.11	7.50	3.17	1.42	0.00056516	0.00011253	1.42
336	268	281	280	7.41	2.53	0.05	7.41	2.53	0.58	0.00059142	0.00005946	0.58
337	280	281	291	7.93	2.67	-0.02	7.93	2.67	-0.22	0.00063430	0.00005551	-0.22
338	281	290	291	8.74	1.53	-1.87	9.20	1.07	-13.65	0.00077948	-0.00010733	-13.65
339	291	290	302	11.70	2.26	2.60	12.37	1.55	14.44	0.00104468	-0.00013073	14.44
340	290	303	302	14.23	12.25	1.71	15.22	11.26	30.00	0.00108230	0.00006505	30.00
341	302	303	313	20.84	13.90	0.00	20.84	13.90	0.02	0.00151515	0.00015847	0.02
342	303	312	313	20.15	23.19	4.58	26.50	16.84	54.20	0.00154531	0.00065162	54.20
343	7	8	16	12.28	14.39	-7.04	20.45	6.21	-49.24	0.00287238	-0.00005439	-49.24
344	8	15	16	8.69	12.83	-4.67	15.86	5.65	-56.97	0.00218415	0.00005655	-56.97
345	16	15	29	9.48	13.09	-4.86	16.47	6.10	-55.20	0.00225582	0.00005506	-55.20
346	15	30	29	9.23	17.14	-4.44	19.13	7.24	-65.85	0.00261160	0.00013456	-65.85
347	29	30	38	8.58	16.92	-3.62	18.27	7.23	-69.53	0.00247851	0.00017831	-69.53
348	30	37	38	8.94	20.72	-4.20	22.07	7.60	-72.26	0.00305202	0.00003797	-72.26
349	38	37	51	8.42	20.55	-2.89	21.21	7.77	-77.25	0.00250861	0.00010561	-77.25
350	37	52	51	8.65	23.43	-3.68	24.29	7.83	-76.73	0.00338650	-0.00004255	-76.73
351	51	52	60	8.38	23.32	-2.27	23.66	8.05	-81.56	0.00327174	0.00002564	-81.56
352	52	59	60	8.81	26.22	-3.10	26.76	8.27	-80.21	0.00374965	-0.00010162	-80.21
353	60	59	73	8.28	26.05	-1.62	26.19	8.13	-84.84	0.00366883	-0.00005329	-84.84
354	59	74	73	8.96	28.88	-2.50	29.18	8.66	-82.96	0.00410506	-0.00016747	-82.96
355	73	74	82	7.74	28.47	-1.44	28.57	7.85	-86.05	0.00406557	-0.00029328	-86.05
356	74	81	82	8.82	29.98	-2.23	30.21	8.59	-84.06	0.00427263	-0.00023168	-84.06
357	82	81	95	6.48	29.19	-2.30	29.43	6.24	-84.27	0.00423247	-0.00055685	-84.27
358	81	96	95	8.64	29.42	-2.55	29.73	8.34	-83.12	0.00421062	-0.00024587	-83.12
359	95	96	104	7.71	29.11	-3.78	29.75	7.06	-80.28	0.00428130	-0.00044673	-80.28
360	96	103	104	8.55	28.61	-3.03	29.06	8.10	-81.60	0.00411830	-0.00024754	-81.60
361	104	103	117	10.38	29.22	-4.24	30.13	9.47	-77.87	0.00421523	-0.00005018	-77.87
362	103	118	117	8.15	27.11	-3.09	27.60	7.65	-80.96	0.00391435	-0.00024172	-80.96
363	117	118	127	11.19	28.12	-2.23	28.41	10.50	-82.61	0.00387216	0.00022200	-82.61
364	118	133	127	8.13	27.69	-2.53	28.02	7.81	-82.75	0.00397104	-0.00023594	-82.75
365	127	133	134	11.39	29.04	-1.89	29.24	11.15	-83.97	0.00398626	0.00022494	-83.97
366	134	133	146	9.36	28.37	-0.71	28.39	9.34	-87.88	0.00395018	-0.00001965	-87.88
367	133	156	146	8.33	29.38	-2.06	29.57	8.13	-84.47	0.00415743	-0.00026954	-84.47
368	146	156	155	9.16	29.92	-1.67	30.06	9.02	-85.44	0.00422635	-0.00015562	-85.44
369	155	156	165	7.46	29.36	-2.00	29.54	7.28	-84.83	0.00423620	-0.00040046	-84.83
370	156	171	165	8.22	29.87	-2.37	30.13	7.56	-83.84	0.00429325	-0.00032538	-83.84
371	165	171	172	6.74	28.44	-3.55	29.01	6.18	-80.94	0.00421052	-0.00054542	-80.94
372	172	171	181	6.36	28.32	-5.61	29.66	5.01	-76.47	0.00437418	-0.00076222	-76.47
373	171	194	181	7.07	26.06	-2.99	26.52	6.61	-81.27	0.00379917	-0.00034802	-81.27
374	181	194	193	6.37	21.54	-7.70	24.77	3.14	-67.29	0.00370642	-0.00075518	-67.29
375	193	194	202	7.71	21.99	-6.40	24.44	5.26	-69.07	0.00354442	-0.00045067	-69.07
376	194	201	202	4.27	14.71	-2.69	15.37	3.62	-76.35	0.00221245	-0.00023521	-76.35
377	202	201	215	5.83	15.23	-3.64	16.48	4.59	-71.10	0.00233595	-0.00014146	-71.10
378	201	216	215	3.47	11.72	-1.81	12.10	3.05	-78.13	0.00173013	-0.00014735	-78.13
379	215	216	224	4.41	12.04	-1.93	12.50	3.95	-76.57	0.00174666	-0.00003319	-76.57
380	216	223	224	3.12	10.40	-1.06	10.55	2.97	-81.84	0.00145378	-0.00008513	-81.84
381	224	223	237	3.35	10.47	-0.47	10.50	3.32	-86.24	0.00146844	-0.00002841	-86.24
382	223	238	237	3.01	9.36	-0.11	9.37	3.01	-89.02	0.00130654	-0.00001724	-89.02
383	237	238	246	3.13	9.40	0.55	9.45	3.09	85.05	0.00131603	-0.00001005	85.05
384	238	245	246	3.29	8.50	0.73	8.61	3.15	82.15	0.00117666	0.00004578	82.15
385	246	245	259	3.67	8.63	1.43	9.01	3.29	75.04	0.00123702	0.00004426	75.04
386	245	260	259	4.06	7.29	1.23	7.71	3.65	71.31	0.00101445	0.00016835	71.31
387	259	260	268	5.00	7.60	1.46	8.26	4.34	65.85	0.00106424	0.00024835	65.85
388	260	267	268	5.20	5.92	0.95	6.57	4.55	55.46	0.00079021	0.00036859	55.46
389	268	267	281	5.83	6.13	0.51	6.52	5.45	53.27	0.00073425	0.00051176	53.27
390	267	282	281	5.80	4.81	0.28	5.88	4.74	14.83	0.00067167	0.00042435	14.83
391	281	282	290	6.33	4.99	0.12	6.35	4.98	5.21	0.00073212	0.00044758	5.21
392	282	289	290	6.02	3.96	0.21	6.04	3.94	5.83	0.00073602	0.00020136	5.83
393	290	289	303	7.75	4.54	2.00	8.71	3.58	25.65	0.00117473	0.00010547	25.65
394	289	304	303	9.38	12.95	2.34	14.11	8.22	63.67	0.00177654	0.00054510	63.67
395	303	304	312	12.70	14.06	1.99	15.48	11.28	54.42	0.00183137	0.00055585	54.42

396	304	311	312	11.55	21.46	5.08	23.61	5.41	67.19	[illegible]	[illegible]	[illegible]
397	8	9	15	17.75	8.73	-5.14	20.08	6.40	-24.36	0.00000538	0.00012149	-24.36
398	9	14	15	15.11	12.80	-4.28	18.39	9.52	-37.47	0.00071023	0.00026672	-37.47
399	15	14	30	15.15	12.82	-7.03	21.13	6.87	-40.22	0.00004663	0.00013360	-40.22
400	14	31	30	12.70	18.71	-6.57	22.93	8.47	-57.30	0.00091114	0.00018017	-57.30
401	30	31	37	10.72	18.36	-5.67	21.38	7.70	-61.98	0.00085109	0.00016662	-61.98
402	31	36	37	10.77	23.41	-7.46	26.86	7.31	-65.14	0.00108677	0.00010535	-65.14
403	37	36	52	7.27	22.79	-4.23	23.87	6.19	-75.65	0.00096798	0.00006415	-75.65
404	36	53	52	9.70	26.84	-6.83	29.22	7.31	-70.72	0.00118724	0.00005144	-70.72
405	52	53	59	4.82	25.98	-3.19	26.45	4.35	-81.60	0.00105143	-0.00001335	-81.60
406	53	58	59	8.62	30.11	-6.13	31.74	7.00	-75.13	0.00129628	0.00005933	-75.13
407	59	58	74	2.70	29.06	-2.08	29.22	2.53	-85.52	0.00122300	-0.00011144	-85.52
408	58	75	74	7.29	33.25	-5.22	34.26	6.28	-79.04	0.00140508	0.00001004	-79.04
409	74	75	81	1.37	32.21	-1.59	32.29	1.29	-87.06	0.00136262	-0.00016750	-87.06
410	75	80	81	5.10	34.64	-3.80	35.13	4.62	-82.78	0.00145820	-0.00006695	-82.78
411	81	80	96	1.73	34.05	-1.44	34.11	1.67	-87.45	0.00143731	-0.00015007	-87.45
412	80	97	96	2.93	35.49	-2.69	35.72	2.71	-85.31	0.00149761	-0.00015260	-85.31
413	96	97	103	2.62	35.44	-3.13	35.74	2.33	-84.61	0.00150132	-0.00016915	-84.61
414	97	102	103	0.76	35.47	-3.53	35.82	0.40	-84.25	0.00151547	-0.00025146	-84.25
415	103	102	118	3.06	35.87	-4.80	36.56	2.27	-81.85	0.00153607	-0.00001736	-81.85
416	102	119	118	0.21	35.59	-4.39	36.13	-0.33	-83.03	0.00153785	-0.00026504	-83.03
417	118	119	133	2.29	35.96	-3.38	36.29	1.95	-84.33	0.00152781	-0.00016515	-84.33
418	119	132	133	0.27	35.87	-3.18	36.16	-0.02	-84.93	0.00153672	-0.00027188	-84.93
419	133	132	156	0.99	36.00	-3.14	36.28	0.71	-84.91	0.00153660	-0.00024211	-84.91
420	132	157	156	0.49	35.59	-2.78	35.81	0.27	-85.50	0.00151999	-0.00025718	-85.50
421	156	157	171	0.14	35.48	-4.38	36.01	-0.67	-83.09	0.00153558	-0.00025866	-83.09
422	157	170	171	0.95	33.80	-3.08	34.09	0.67	-84.69	0.00144365	-0.00022735	-84.69
423	171	170	194	-0.01	33.63	-5.98	34.66	-1.04	-80.21	0.00148086	-0.00003404	-80.21
424	170	195	194	2.05	30.52	-3.58	30.97	1.61	-82.93	0.00130409	-0.00016361	-82.93
425	194	195	201	3.09	30.71	-6.79	32.28	1.51	-76.91	0.00136074	-0.00017778	-76.91
426	195	200	201	3.75	26.45	-3.37	26.93	3.26	-81.74	0.00112028	-0.00006347	-81.74
427	201	200	216	3.05	26.32	-4.66	27.22	2.15	-79.09	0.00114075	-0.00011262	-79.09
428	200	217	216	5.49	23.47	-2.49	23.81	5.16	-82.24	0.00097316	0.00004054	-82.24
429	216	217	223	2.80	22.99	-2.94	23.41	2.28	-81.89	0.00097112	-0.00007429	-81.89
430	217	222	223	7.29	21.12	-1.69	21.32	7.09	-83.12	0.00085297	0.00014122	-83.12
431	223	222	238	3.20	20.39	0.07	20.40	3.20	89.76	0.00084277	-0.00001687	89.76
432	222	239	238	9.17	18.02	-0.02	18.02	9.17	-89.87	0.00065702	0.00025445	-89.87
433	238	239	245	4.71	17.23	2.26	17.63	4.31	80.09	0.00071673	0.00005116	80.09
434	239	244	245	11.71	15.25	1.74	15.96	11.00	67.75	0.00059569	0.00034794	67.75
435	245	244	260	8.60	14.70	4.18	16.82	6.47	63.05	0.00066651	0.00014885	63.05
436	244	261	260	13.36	11.37	2.76	15.30	5.43	35.11	0.00057538	0.00028605	35.11
437	260	261	267	13.88	11.46	3.32	16.21	5.14	35.00	0.00062649	0.00026873	35.00
438	261	266	267	15.35	8.50	2.32	16.06	7.79	17.06	0.00062416	0.00021052	17.06
439	267	266	282	16.99	8.79	0.60	17.03	8.75	4.15	0.00065831	0.00024395	4.15
440	266	283	282	17.07	7.46	0.62	17.11	7.43	3.66	0.00067144	0.00018727	3.66
441	282	283	289	18.63	7.74	0.15	18.63	7.74	0.80	0.00073363	0.00016513	0.80
442	283	288	289	18.73	6.82	0.07	18.73	6.82	0.36	0.00074484	0.00014554	0.36
443	289	288	304	19.84	7.02	3.26	20.63	6.24	13.49	0.00062579	0.00011040	13.49
444	288	305	304	18.89	13.59	4.01	21.05	11.43	28.29	0.00060878	0.00032798	28.29
445	304	305	311	18.56	13.53	-0.25	18.57	13.52	-2.79	0.00068771	0.00043535	-2.79
446	305	310	311	15.97	19.70	2.02	20.59	15.08	66.35	0.00076182	0.00046662	66.35
447	5	10	14	7.07	3.24	-3.29	8.96	1.35	-29.92	0.00075283	-0.00007790	-29.93
448	10	13	14	10.83	11.77	-6.61	17.92	4.68	-47.02	0.00146225	0.00001740	-47.03
449	14	13	31	7.30	10.89	-6.16	15.51	2.68	-53.13	0.00129495	-0.00016460	-53.13
450	13	32	31	5.87	19.53	-7.44	22.80	2.60	-66.28	0.00153274	-0.00027026	-66.28
451	31	32	36	8.26	20.13	-5.01	21.96	6.43	-69.92	0.00177591	0.00006246	-69.92
452	32	35	36	9.23	25.77	-7.57	28.71	6.25	-68.78	0.00236661	-0.00017730	-68.77
453	36	35	53	8.83	25.68	-4.33	26.72	7.75	-76.40	0.00216215	0.00005671	-76.40
454	35	54	53	10.19	29.97	-7.03	32.22	7.94	-72.30	0.00263850	-0.00000535	-72.30
455	53	54	58	9.03	29.69	-3.63	30.30	8.42	-80.33	0.00246102	0.00007331	-80.33
456	54	57	58	11.25	34.03	-6.43	35.72	9.57	-75.28	0.00250667	0.00005541	-75.28
457	58	57	75	9.07	33.49	-2.92	33.83	8.72	-83.28	0.00276203	0.00002314	-83.28
458	57	76	75	12.45	39.12	-6.58	40.65	10.52	-76.86	0.00330584	0.00006573	-76.86
459	75	74	80	9.08	38.27	-2.42	38.47	8.88	-85.30	0.00316400	-0.00006461	-85.30
460	76	79	80	11.42	42.55	-6.31	43.78	10.15	-78.97	0.00359826	-0.00006555	-78.97
461	80	79	97	8.85	41.91	-2.02	42.03	8.73	-86.51	0.00347748	-0.00015518	-86.51

462	79	98	97	4.55	45.18	-5.10	45.90	8.87	-82.66	0.CC3E1235	-C.CCC22421	-82.66
463	97	98	102	8.55	44.93	-2.48	45.09	8.39	-86.11	0.CC375255	-C.CCC2521C	-86.11
464	98	101	102	6.97	45.32	-3.93	45.72	6.57	-84.21	0.CC3E4E8C	-C.CCC42425	-84.21
465	102	101	119	8.47	45.70	-3.02	45.94	8.22	-85.40	C.CC382575	-C.CCC2E466	-85.40
466	101	120	119	6.71	45.38	-2.87	45.59	6.50	-85.78	C.CC383715	-C.CCC42755	-85.78
467	119	120	132	8.50	45.93	-2.39	45.98	8.35	-86.35	C.CC3E3C63	-C.CCC27438	-86.35
468	120	131	132	8.64	45.06	-1.64	45.14	8.57	-87.42	C.CC375235	-C.CCC237C3	-87.42
469	132	131	157	8.43	45.01	-2.30	45.15	8.29	-86.42	C.CC375998	-C.CCC2E154	-86.42
470	131	158	157	9.28	44.12	-1.36	44.17	9.22	-87.76	C.CC365352	-C.CCC15865	-87.76
471	157	158	170	8.54	43.93	-2.47	44.10	8.37	-86.02	C.CC366646	-C.CCC23178	-86.02
472	158	169	170	9.46	42.72	-1.22	42.76	9.42	-87.89	C.CC352660	-C.CCC11114	-87.89
473	170	169	195	9.03	42.61	-2.64	42.82	8.82	-85.52	C.CC354427	-C.CCC16418	-85.52
474	169	196	195	9.56	40.87	-0.92	40.89	9.53	-88.31	C.CC336087	-C.CCCC6C3C	-88.31
475	195	196	200	9.78	40.92	-2.56	41.13	9.57	-85.33	C.CC338076	-C.CCCC6188	-85.33
476	196	199	200	9.65	38.45	-0.20	38.45	9.65	-89.60	0.CC314527	C.CCCC331	-89.60
477	200	199	217	10.31	38.62	-1.95	38.75	10.16	-86.07	C.CC315574	C.CCCC425C	-86.07
478	199	218	217	9.83	35.56	0.94	35.59	9.79	87.91	C.CC289240	C.CCCC7816	87.91
479	217	218	222	10.68	35.77	-1.16	35.82	10.62	-87.36	C.CC285450	C.CCC14555	-87.36
480	218	221	222	10.27	32.14	2.29	32.37	10.03	84.08	C.CC260630	C.CCC16544	84.08
481	222	221	239	10.99	32.32	0.46	32.33	10.98	88.77	C.CC258148	C.CCC25338	88.77
482	221	240	239	11.37	27.03	3.64	27.83	10.57	77.54	0.CC215850	C.CCC31483	77.54
483	239	240	244	11.14	26.97	1.93	27.20	10.50	83.15	C.CC213611	C.CCC35817	83.15
484	240	243	244	12.45	22.19	4.73	24.11	10.53	67.91	0.CC187465	C.CCC35267	67.51
485	244	243	261	10.98	21.82	3.10	22.65	10.16	75.12	0.CC175485	C.CCC35250	75.12
486	243	262	261	12.31	15.62	4.56	18.82	9.11	54.59	C.CC144360	C.CCC36471	54.59
487	261	262	266	10.54	15.18	2.52	16.29	9.43	66.32	C.CC121560	C.CCC46753	66.32
488	262	265	266	11.45	11.43	2.33	13.77	9.11	44.88	C.CC1CC326	C.CCC49485	44.88
489	266	265	283	10.47	11.19	0.68	11.60	10.06	58.59	C.CC075243	C.CCC62565	58.59
490	265	284	283	10.61	10.07	0.70	11.09	9.59	34.37	C.CCC75824	C.CCC55503	34.37
491	283	284	288	11.08	10.18	0.28	11.16	10.11	15.82	0.CCC75335	C.CCC43850	15.82
492	284	287	288	10.69	9.86	0.55	10.96	9.59	26.38	C.CCC74766	C.CCC5574E	26.38
493	288	287	305	10.48	9.81	1.38	11.56	8.73	38.11	C.CCC81852	C.CCC5C941	38.11
494	287	306	305	10.55	13.16	1.19	13.62	10.05	68.82	C.CC056833	C.CCC5E34C	68.82
495	305	306	310	9.29	12.84	-0.60	12.94	9.20	-80.72	C.CCC92869	C.CCC52C15	-80.72
496	306	309	310	10.19	18.93	-1.45	19.17	9.56	-80.83	C.CC145544	C.CCC49C71	-80.83
497	10	11	13	1.38	-9.09	-6.89	4.80	-12.50	-26.38	0.CC14CC36	-0.CC22C315	-26.38
498	11	12	13	-7.12	11.25	-9.85	15.53	-11.40	-66.51	C.CC3C2641	-C.CC255CC5	-66.51
499	13	12	32	5.73	15.53	-2.49	16.13	5.13	-76.52	0.CC225330	-C.CCCC3031	-76.52
500	12	33	32	5.06	20.11	-3.47	20.87	4.30	-77.62	0.CC3C3785	-C.CCC41577	-77.62
501	32	33	35	8.66	21.31	-1.81	21.57	8.41	-82.01	C.CC253219	C.CCC15C31	-82.01
502	33	34	35	9.44	27.37	-4.76	28.55	8.25	-76.01	0.CC4C3174	-C.CCC15375	-76.01
503	35	34	54	10.78	27.81	-1.19	27.90	10.65	-86.03	C.CC3EC183	C.CCC21EC2	-86.03
504	34	55	54	12.77	32.07	-3.99	32.86	11.58	-78.77	C.CC451084	C.CCC15560	-78.77
505	54	55	57	12.15	31.87	-0.83	31.90	12.12	-87.58	C.CC435328	C.CCC23217	-87.58
506	55	56	57	14.64	35.39	-3.10	35.85	14.19	-81.67	C.CC486238	C.CCC34953	-81.67
507	57	56	76	13.12	34.89	-0.91	34.93	13.08	-83.60	0.CC477568	C.CCC22533	-87.60
508	56	77	76	16.10	41.85	-5.51	42.98	14.97	-78.41	0.CC593595	C.CCC1CC58	-78.41
509	76	77	79	14.17	41.21	-0.79	41.23	14.15	-88.33	0.CC570517	C.CCCC6345	-88.33
510	77	79	79	18.43	48.46	-7.58	50.27	16.62	-76.60	0.CC658889	-C.CCCC2C5E	-76.60
511	79	78	98	14.80	47.25	-0.39	47.26	14.79	-89.31	C.CC661354	-C.CCC14997	-89.31
512	78	99	98	20.32	54.68	-7.05	56.07	18.93	-78.84	C.CC777424	C.CCCC3817	-78.84
513	98	99	101	15.22	52.97	-0.23	52.98	15.22	-89.65	C.CC748476	-C.CCC381CC	-89.65
514	99	100	101	21.61	55.76	-2.06	55.89	21.48	-86.57	0.CC761331	C.CCC44585	-86.57
515	101	100	120	15.30	53.66	-0.16	53.66	15.30	-89.77	C.CC758773	-C.CCC4C455	-89.77
516	100	121	120	20.99	52.26	2.78	52.50	20.74	84.95	C.CC712358	C.CCC5C555	84.95
517	120	121	131	15.33	50.37	-0.25	50.37	15.32	-89.58	C.CC7C7273	-C.CCC22935	-89.58
518	121	130	131	19.46	50.31	0.84	50.34	19.44	88.44	C.CC685253	C.CCC41555	88.44
519	131	130	158	15.33	48.94	-0.54	48.95	15.33	-89.08	0.CC6E4954	-C.CCC15467	-89.08
520	130	159	158	18.77	49.29	-0.06	49.29	18.77	-89.89	C.CC672366	-C.CCC36532	-89.89
521	158	159	169	15.37	48.16	-0.78	48.18	15.35	-88.64	0.CC672767	-C.CCC11CCE	-88.64
522	159	168	169	18.50	48.53	-0.40	48.53	18.49	-89.25	C.CC661964	C.CCC362C1	-89.25
523	169	168	196	15.47	47.52	-0.91	47.54	15.45	-88.37	C.CC662398	-C.CCCC6277	-88.37
524	168	197	196	18.50	47.69	-0.34	47.69	18.50	-89.33	0.CC640857	C.CCC4C645	-89.33
525	196	197	199	15.60	46.72	-0.87	46.74	15.57	-88.40	0.CC649276	-C.CCCC157	-88.40
526	197	198	199	18.54	46.38	0.24	46.38	18.54	89.51	C.CC628160	C.CCC4EC58	89.51
527	199	198	218	15.66	45.42	-0.63	45.43	15.65	-88.79	C.CC628393	C.CCC7516	-88.79

528	198	219	218	18.44	43.49	1.62	44.09	16.34	88.35	0.00553413	0.00058065	88.35
529	218	219	221	15.60	43.04	-0.29	43.04	15.59	-89.40	0.00559350	0.00019471	-89.40
530	219	220	221	17.84	39.06	4.59	40.01	16.85	78.29	0.00537144	0.00055567	78.29
531	221	220	240	15.31	38.21	0.19	38.21	15.31	89.53	0.00517335	0.00040221	89.53
532	220	241	240	16.22	32.03	4.49	33.22	15.03	75.20	0.00440736	0.00021503	75.20
533	240	241	243	14.32	31.40	0.52	31.41	14.30	88.26	0.00416334	0.00055501	88.26
534	241	242	243	13.81	24.95	4.92	26.81	11.94	65.28	0.00356703	0.00046552	65.28
535	243	242	262	12.91	24.65	0.72	24.69	12.87	86.48	0.00318847	0.00072403	86.48
536	242	263	262	10.95	16.22	3.96	18.34	8.83	61.81	0.00240542	0.00042455	61.81
537	262	263	265	10.11	15.94	-0.09	15.94	10.11	-89.10	0.00196366	0.00074580	-89.10
538	263	264	265	8.02	12.19	1.19	12.51	7.70	75.17	0.00155303	0.00055218	75.17
539	265	264	284	8.65	12.40	-0.38	12.44	8.62	-84.24	0.00149547	0.00065821	-84.24
540	264	285	284	7.36	11.19	0.28	11.21	7.34	85.80	0.00137016	0.00056242	85.80
541	284	285	287	8.45	11.56	-0.13	11.56	8.44	-87.62	0.00136694	0.00071685	-87.62
542	285	286	287	7.68	10.88	0.28	10.91	7.66	85.04	0.00130537	0.00062835	85.04
543	287	286	306	7.68	10.88	0.22	10.90	7.67	86.07	0.00130346	0.00063051	86.07
544	286	307	306	7.57	12.14	0.20	12.15	7.56	87.53	0.00150391	0.00054875	87.53
545	306	307	309	7.03	11.96	-1.10	12.19	6.80	-77.99	0.00155075	0.00042783	-77.99
546	307	308	309	9.54	20.37	-2.83	21.06	8.85	-76.22	0.00283018	0.00028586	-76.22

NODE	XCOR	YCRD	FX	FY	[illegible]	[illegible]	[illegible]	[illegible]
1	30.000000	0.0	42.280000	-100.000000	0.0	0.0	-92.746572	114.208628
2	30.000000	3.000000	42.280000	0.0	0.004312	0.000053	0.405415	-0.431431
3	30.000000	6.000000	42.280000	0.0	0.007779	-0.000075	0.378307	-0.252197
4	30.000000	8.000000	42.280000	0.0	0.012954	0.000183	0.486212	-0.145410
5	30.000000	10.000000	42.280000	0.0	0.014264	0.0	0.531678	-45.289015
6	30.000000	12.000000	42.280000	0.0	0.013434	0.0	0.693840	-11.461141
7	30.000000	14.000000	42.280000	0.0	0.013398	0.002525	0.450735	-0.104022
8	30.000000	17.000000	42.280000	0.0	0.006922	0.007353	0.546526	-0.312595
9	30.000000	21.000000	42.280000	0.0	0.007657	0.008305	0.664211	-0.337166
10	30.000000	26.000000	42.280000	0.0	0.008646	0.008545	-0.275962	-0.183157
11	30.000000	32.000000	42.280000	100.000000	0.0	0.0	-84.297283	-156.794153
12	24.000000	32.000000	0.0	100.000000	0.010151	0.020250	-0.481702	-0.517379
13	24.000000	26.000000	0.0	0.0	0.004514	0.017517	-0.231058	-1.283290
14	24.000000	21.000000	0.0	0.0	0.004580	0.013563	0.052344	-2.856809
15	24.000000	17.000000	0.0	0.0	0.002768	0.011839	1.148581	-2.543350
16	24.000000	14.000000	0.0	0.0	0.006378	0.007183	0.565246	-2.025592
17	24.000000	12.000000	0.0	0.0	0.006374	0.005710	1.234133	-3.188524
18	24.000000	10.000000	0.0	0.0	0.007471	0.006157	1.005550	-2.774846
19	24.000000	8.000000	0.0	0.0	0.006025	0.004848	0.502887	-1.372913
20	24.000000	6.000000	0.0	0.0	0.004031	0.002468	0.710152	-0.937675
21	24.000000	3.000000	0.0	0.0	0.002402	0.001354	0.684452	-0.742410
22	21.000000	0.0	0.0	-100.000000	0.0	0.0	-23.075053	25.859375
23	18.000000	0.0	0.0	-100.000000	0.0	0.0	0.453530	34.191202
24	18.000000	3.000000	0.0	0.0	0.001065	0.002245	0.601430	-1.115624
25	18.000000	6.000000	0.0	0.0	0.001797	0.003853	0.590455	-1.507870
26	18.000000	8.000000	0.0	0.0	0.002137	0.007428	0.609882	-2.347609
27	18.000000	10.000000	0.0	0.0	0.002561	0.005404	0.506325	-4.624456
28	18.000000	12.000000	0.0	0.0	0.001409	0.005661	1.211654	-4.976185
29	18.000000	14.000000	0.0	0.0	0.001585	0.012155	0.874636	-3.157204
30	18.000000	17.000000	0.0	0.0	-0.000508	0.018746	1.153256	-4.538785
31	18.000000	21.000000	0.0	0.0	0.002165	0.021547	-0.181574	-4.855067
32	18.000000	26.000000	0.0	0.0	0.003957	0.029426	-1.008612	-2.405284
33	18.000000	32.000000	0.0	100.000000	0.011734	0.046703	-0.857572	-0.904229
34	14.000000	32.000000	0.0	100.000000	0.011531	0.060313	-1.316530	-1.223414
35	14.000000	26.000000	0.0	0.0	0.003024	0.037605	-1.583156	-3.185063
36	14.000000	21.000000	0.0	0.0	0.001056	0.027365	-0.355165	-6.110085
37	14.000000	17.000000	0.0	0.0	-0.001379	0.023709	1.263072	-5.062397
38	14.000000	14.000000	0.0	0.0	-0.000254	0.015353	0.855407	-3.340395
39	14.000000	12.000000	0.0	0.0	-0.000416	0.012416	1.210455	-4.523465
40	14.000000	10.000000	0.0	0.0	0.000722	0.011140	0.818711	-4.297052
41	14.000000	8.000000	0.0	0.0	0.000722	0.008625	0.445062	-2.179715
42	14.000000	6.000000	0.0	0.0	0.000947	0.004365	0.499583	-1.530024
43	14.000000	3.000000	0.0	0.0	0.000621	0.002469	0.496431	-1.068620
44	14.000000	0.0	0.0	-100.000000	0.0	0.0	-4.327140	42.309721
45	11.000000	0.0	0.0	-100.000000	0.0	0.0	-3.253238	50.279215
46	11.000000	3.000000	0.0	0.0	0.000436	0.002573	0.452106	-1.266266
47	11.000000	6.000000	0.0	0.0	0.000595	0.004605	0.415571	-1.688069
48	11.000000	8.000000	0.0	0.0	0.000181	0.005205	0.622505	-2.456344
49	11.000000	10.000000	0.0	0.0	-0.000027	0.012195	0.808275	-4.710867
50	11.000000	12.000000	0.0	0.0	-0.001063	0.014014	1.183438	-5.158335
51	11.000000	14.000000	0.0	0.0	-0.000992	0.017483	0.794511	-3.548617
52	11.000000	17.000000	0.0	0.0	-0.002194	0.027106	1.390064	-6.141783
53	11.000000	21.000000	0.0	0.0	0.000424	0.031377	-0.696064	-7.127620
54	11.000000	26.000000	0.0	0.0	0.002318	0.043345	-1.557515	-3.839131
55	11.000000	32.000000	0.0	100.000000	0.010563	0.065421	-1.610856	-1.445440
56	8.000000	32.000000	0.0	100.000000	0.009230	0.077116	-1.643722	-1.604100
57	8.000000	26.000000	0.0	0.0	0.001600	0.046510	-2.068370	-4.765965
58	8.000000	21.000000	0.0	0.0	0.000002	0.034887	-0.887671	-6.923462
59	8.000000	17.000000	0.0	0.0	-0.002225	0.030028	1.231656	-7.216567
60	8.000000	14.000000	0.0	0.0	-0.001277	0.015112	0.736361	-4.330846
61	8.000000	12.000000	0.0	0.0	-0.001311	0.015204	1.125571	-6.157863
62	8.000000	10.000000	0.0	0.0	-0.000255	0.012551	0.622355	-5.290148
63	8.000000	8.000000	0.0	0.0	0.000032	0.005787	0.477622	-2.655443
64	8.000000	6.000000	0.0	0.0	0.000431	0.004713	0.275335	-1.507108
65	8.000000	3.000000	0.0	0.0	0.000485	0.002573	0.266525	-1.331846

66	8.000000	0.0	0.0	-100.000000	0.0	0.0	-3.797462	51.150103
67	5.000000	0.0	0.0	-100.000000	0.0	0.0	-5.465443	63.711546
68	5.000000	3.000000	0.0	0.0	0.000646	0.002346	0.105788	-1.523858
69	5.000000	6.000000	0.0	0.0	0.000354	0.004453	0.109033	-2.644360
70	5.000000	8.000000	0.0	0.0	0.000266	0.009754	0.381253	-2.514041
71	5.000000	10.000000	0.0	0.0	-0.000255	0.013277	0.611211	-5.538125
72	5.000000	12.000000	0.0	0.0	-0.001240	0.015625	1.129654	-6.164376
73	5.000000	14.000000	0.0	0.0	-0.001688	0.020186	0.616741	-4.525233
74	5.000000	17.000000	0.0	0.0	-0.001915	0.032320	1.363616	-8.925825
75	5.000000	21.000000	0.0	0.0	-0.000180	0.031755	-1.462251	-10.789332
76	5.000000	26.000000	0.0	0.0	0.000900	0.053468	-2.668030	-5.971298
77	5.000000	32.000000	0.0	100.000000	0.008222	0.087668	-2.072648	-2.232651
78	3.000000	32.000000	0.0	100.000000	0.003511	0.096238	-2.250309	-2.664441
79	3.000000	26.000000	0.0	0.0	0.000783	0.056562	-3.053755	-7.062061
80	3.000000	21.000000	0.0	0.0	-0.000054	0.035242	-1.831176	-12.541416
81	3.000000	17.000000	0.0	0.0	-0.001546	0.033506	1.176073	-5.707077
82	3.000000	14.000000	0.0	0.0	-0.000543	0.020833	0.424115	-4.643621
83	3.000000	12.000000	0.0	0.0	-0.001060	0.015585	1.188344	-5.782618
84	3.000000	10.000000	0.0	0.0	-0.000057	0.013645	0.425826	-4.660004
85	3.000000	8.000000	0.0	0.0	0.000734	0.005283	0.142144	-2.551370
86	3.000000	6.000000	0.0	0.0	0.000413	0.003822	-0.073471	-1.526569
87	3.000000	3.000000	0.0	0.0	0.000838	0.001894	-0.148318	-1.413454
88	3.000000	0.0	0.0	-100.000000	0.0	0.0	-8.502487	77.067056
89	1.000000	0.0	0.0	-100.000000	0.0	0.0	-8.563552	51.450918
90	1.000000	3.000000	0.0	0.0	0.001014	0.001000	-0.588266	-2.108377
91	1.000000	6.000000	0.0	0.0	0.000486	0.002510	-0.306044	-2.009160
92	1.000000	8.000000	0.0	0.0	0.001526	0.001870	-0.147871	-2.492255
93	1.000000	10.000000	0.0	0.0	0.000315	0.011535	0.480553	-4.551150
94	1.000000	12.000000	0.0	0.0	-0.000133	0.016238	1.117122	-5.745189
95	1.000000	14.000000	0.0	0.0	0.000475	0.022061	-0.020181	-5.353824
96	1.000000	17.000000	0.0	0.0	-0.001164	0.034521	1.463455	-13.334285
97	1.000000	21.000000	0.0	0.0	0.000189	0.040467	-2.551503	-17.273234
98	1.000000	26.000000	0.0	0.0	0.001061	0.055136	-4.458240	-10.108547
99	1.000000	32.000000	0.0	100.000000	0.006855	0.104045	-3.321512	-3.855732
100	0.0	32.000000	0.0	100.000000	0.006384	0.105728	-3.045436	-3.535854
101	0.0	26.000000	0.0	0.0	0.001442	0.066200	-4.205236	-10.308227
102	0.0	21.000000	0.0	0.0	0.000423	0.041184	-2.915512	-12.759415
103	0.0	17.000000	0.0	0.0	-0.001030	0.035117	1.075235	-13.526763
104	0.0	14.000000	0.0	0.0	0.000787	0.023101	-0.292126	-5.877414
105	0.0	12.000000	0.0	0.0	0.001766	0.015022	0.671015	-4.481816
106	0.0	10.000000	0.0	0.0	0.000563	0.005264	0.136983	-2.568706
107	0.0	8.000000	0.0	0.0	0.002051	0.006244	-0.417264	-2.038437
108	0.0	6.000000	0.0	0.0	0.000679	0.001573	-0.373867	-1.762842
109	0.0	3.000000	0.0	0.0	0.000865	-0.000323	-0.854629	-2.276932
110	0.0	0.0	0.0	-100.000000	0.0	0.0	-1.677141	56.031942
111	-2.000000	0.0	0.0	-100.000000	-0.000065	-0.005217	-0.164421	-0.459489
112	-2.000000	3.000000	0.0	0.0	0.001116	-0.001438	-0.204653	-1.371770
113	-2.000000	6.000000	0.0	0.0	0.001161	-0.000103	-0.305583	-1.669861
114	-2.000000	8.000000	0.0	0.0	0.002154	0.001570	-0.538135	-1.309501
115	-2.000000	10.000000	0.0	0.0	-0.000464	0.002412	1.075105	-1.713960
116	-2.000000	12.000000	0.0	0.0	0.001116	0.022354	0.077305	-5.742375
117	-2.000000	14.000000	0.0	0.0	0.000587	0.025426	-0.450726	-7.168691
118	-2.000000	17.000000	0.0	0.0	-0.000751	0.036863	0.735320	-12.837640
119	-2.000000	21.000000	0.0	0.0	0.000935	0.042507	-2.257512	-15.673317
120	-2.000000	26.000000	0.0	0.0	0.002251	0.061576	-2.881057	-8.645732
121	-2.000000	32.000000	0.0	100.000000	0.005270	0.104412	-2.043590	-3.154046
122	-2.200000	12.000000	0.0	0.0	0.001300	0.022353	-0.153103	-9.697500
123	-2.200000	10.000000	0.0	0.0	-0.000307	0.001550	0.525467	-1.457468
124	-3.000000	8.000000	0.0	0.0	0.001926	0.000351	-0.630417	-0.555300
125	-3.000000	10.000000	0.0	0.0	-0.000287	0.000335	0.507356	-0.652090
126	-3.000000	12.000000	0.0	0.0	0.001579	0.022178	-0.644882	-10.010935
127	-3.000000	14.000000	0.0	0.0	0.000304	0.025912	-0.295928	-7.472776
128	-3.200000	12.000000	0.0	0.0	0.001851	0.022188	-1.105453	-5.381351
129	-3.200000	10.000000	0.0	0.0	-0.000087	-0.000087	0.432515	-0.630778
130	-4.000000	32.000000	0.0	100.000000	0.004425	0.104283	-1.775907	-3.462141
					[illegible]	[illegible]	-2.632856	-5.327992

132	-4.000000	21.000000	0.0	0.0	[illegible]	[illegible]	[illegible]	[illegible]
133	-4.000000	17.000000	0.0	0.0	-0.000404	0.018384	0.436795	-13.447950
134	-4.000000	14.000000	0.0	0.0	0.000038	0.026550	-0.013420	-20.124812
135	-4.000000	12.000000	0.0	0.0	0.002682	0.021454	-0.141511	0.533177
136	-4.000000	10.000000	0.0	0.0	-0.000107	-0.001829	0.585217	0.154787
137	-4.000000	8.000000	0.0	0.0	0.001421	-0.000602	-0.475527	-0.187271
138	-4.000000	6.000000	0.0	0.0	0.001053	-0.000350	-0.202784	-0.541625
139	-4.000000	3.000000	0.0	0.0	0.000904	-0.000531	-0.461103	-0.571210
140	-4.000000	0.0	0.0	-100.000000	0.0	0.0	-6.345321	135.909088
141	-4.200000	12.000000	0.0	0.0	-0.002308	0.024508	0.070460	-0.454879
142	-4.200000	10.000000	0.0	0.0	0.000122	-0.002443	0.304649	0.355260
143	-5.000000	8.000000	0.0	0.0	0.000788	-0.000765	-0.223030	-0.131460
144	-5.000000	10.000000	0.0	0.0	0.000326	-0.001017	-0.035353	-0.125154
145	-5.000000	12.000000	0.0	0.0	-0.000895	0.024528	1.728508	-13.651333
146	-5.000000	14.000000	0.0	0.0	0.000052	0.026656	0.419666	-19.357911
147	-5.200000	12.000000	0.0	0.0	-0.000730	0.024176	1.487578	-11.085218
148	-5.200000	10.000000	0.0	0.0	0.000521	-0.000826	-0.278571	-0.175987
149	-6.000000	0.0	0.0	-100.000000	0.0	0.0	-1.386526	100.853426
150	-6.000000	3.000000	0.0	0.0	0.000630	-0.000151	-0.251168	-0.320883
151	-6.000000	6.000000	0.0	0.0	0.000772	-0.000248	-0.125162	-0.293072
152	-6.000000	8.000000	0.0	0.0	0.000567	-0.000376	-0.165040	-0.150844
153	-6.000000	10.000000	0.0	0.0	0.000438	-0.000188	-0.332202	-0.414137
154	-6.000000	12.000000	0.0	0.0	-0.000801	0.023637	1.583114	-11.944609
155	-6.000000	14.000000	0.0	0.0	0.000180	0.027346	0.035225	-8.556236
156	-6.000000	17.000000	0.0	0.0	0.000050	0.039544	0.652184	-14.750779
157	-6.000000	21.000000	0.0	0.0	0.001547	0.049980	-2.116830	-18.009722
158	-6.000000	26.000000	0.0	0.0	0.003015	0.064218	-2.415271	-9.366953
159	-6.000000	32.000000	0.0	100.000000	0.003498	0.104541	-1.645424	-3.557594
160	-6.200000	12.000000	0.0	0.0	-0.000680	0.029411	1.268502	-11.158563
161	-6.200000	10.000000	0.0	0.0	0.000594	-0.000050	-0.518146	-0.416098
162	-7.000000	8.000000	0.0	0.0	0.000463	-0.000038	-0.161764	-0.248553
163	-7.000000	10.000000	0.0	0.0	0.000413	0.000268	-0.429518	-0.550350
164	-7.000000	12.000000	0.0	0.0	-0.001015	0.024080	1.611236	-12.180422
165	-7.000000	14.000000	0.0	0.0	0.000543	0.028136	0.054032	-8.680602
166	-7.200000	12.000000	0.0	0.0	-0.000921	0.024238	1.326836	-11.438225
167	-7.200000	10.000000	0.0	0.0	0.000581	0.000324	-0.552185	-0.537050
168	-8.000000	32.000000	0.0	100.000000	0.002972	0.104806	-1.265613	-3.805065
169	-8.000000	26.000000	0.0	0.0	0.003227	0.065054	-2.019360	-10.360372
170	-8.000000	21.000000	0.0	0.0	0.002333	0.047466	-1.768265	-15.333655
171	-8.000000	17.000000	0.0	0.0	0.000564	0.041765	0.360577	-15.205553
172	-8.000000	14.000000	0.0	0.0	0.000970	0.029469	0.028146	-8.588820
173	-8.000000	12.000000	0.0	0.0	-0.001356	0.025506	1.765411	-12.430953
174	-8.000000	10.000000	0.0	0.0	0.000366	0.000514	-0.467487	-0.669800
175	-8.000000	8.000000	0.0	0.0	0.000446	0.000136	-0.155220	-0.268240
176	-8.000000	6.000000	0.0	0.0	0.000550	-0.000051	-0.131653	-0.222705
177	-8.000000	3.000000	0.0	0.0	0.000429	-0.000044	-0.263380	-0.192832
178	-8.000000	0.0	0.0	-100.000000	0.0	0.0	-1.413271	99.431441
179	-8.200000	10.000000	0.0	0.0	0.000527	0.000533	-0.602662	-0.573449
180	-8.200000	12.000000	0.0	0.0	-0.001304	0.025865	1.468368	-11.616957
181	-9.000000	14.000000	0.0	0.0	0.001451	0.031701	0.615968	-9.352454
182	-9.000000	12.000000	0.0	0.0	-0.001826	0.028151	1.501635	-12.548325
183	-9.000000	10.000000	0.0	0.0	0.000367	0.000573	-0.461453	-0.567714
184	-9.000000	8.000000	0.0	0.0	0.000451	0.000237	-0.225406	-0.249392
185	-9.200000	10.000000	0.0	0.0	0.000564	0.000540	-0.632541	-0.511347
186	-9.200000	12.000000	0.0	0.0	-0.001650	0.026885	1.561035	-12.323621
187	-10.000000	0.0	0.0	-100.000000	0.0	0.0	-1.159088	98.904811
188	-10.000000	3.000000	0.0	0.0	0.000302	0.000031	-0.205556	-0.146722
189	-10.000000	6.000000	0.0	0.0	0.000450	0.000057	-0.140735	-0.182978
190	-10.000000	8.000000	0.0	0.0	0.000451	0.000238	-0.194865	-0.232540
191	-10.000000	10.000000	0.0	0.0	0.000465	0.000224	-0.140504	-0.180891
192	-10.000000	12.000000	0.0	0.0	-0.002162	0.032652	0.554264	-6.728366
193	-10.000000	14.000000	0.0	0.0	0.001579	0.034750	0.021651	-9.662776
194	-10.000000	17.000000	0.0	0.0	0.001055	0.043854	0.625898	-16.614172
195	-10.000000	21.000000	0.0	0.0	0.002656	0.048581	-1.617350	-19.517163
196	-10.000000	26.000000	0.0	0.0	0.003342	0.065771	-1.669608	-10.680858
197	-10.000000	32.000000	0.0	100.000000	0.002157	0.104651	-1.107563	-3.647076

198	-12.000000	32.000000	0.0	100.000000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
199	-12.000000	26.000000	0.0	0.0	0.003335	0.066655	-1.118926	-11.155105
200	-12.000000	21.000000	0.0	0.0	0.002734	0.050374	-1.055106	-21.029031
201	-12.000000	17.000000	0.0	0.0	0.001257	0.045956	0.400746	-17.248722
202	-12.000000	14.000000	0.0	0.0	0.001461	0.039762	0.001840	-10.855454
203	-12.000000	12.000000	0.0	0.0	-0.001792	0.038651	0.282245	-6.671772
204	-12.000000	10.000000	0.0	0.0	0.000354	0.000253	-0.061805	-0.119078
205	-12.000000	8.000000	0.0	0.0	0.000361	0.000203	-0.124242	-0.160022
206	-12.000000	6.000000	0.0	0.0	0.000333	0.000054	-0.133461	-0.139674
207	-12.000000	3.000000	0.0	0.0	0.000217	0.000044	-0.166031	-0.105416
208	-12.000000	0.0	0.0	-100.000000	0.0	0.0	-0.547585	98.716608
209	-14.000000	0.0	0.0	-100.000000	0.0	0.0	-0.765422	58.630771
210	-14.000000	3.000000	0.0	0.0	0.000153	0.000060	-0.132225	-0.092918
211	-14.000000	6.000000	0.0	0.0	0.000240	0.000120	-0.112846	-0.111815
212	-14.000000	8.000000	0.0	0.0	0.000274	0.000226	-0.092477	-0.124848
213	-14.000000	10.000000	0.0	0.0	0.000310	0.000306	-0.093184	-0.093453
214	-14.000000	12.000000	0.0	0.0	-0.000584	0.041830	0.413757	-7.725822
215	-14.000000	14.000000	0.0	0.0	0.001224	0.042685	-0.019037	-10.575784
216	-14.000000	17.000000	0.0	0.0	0.001432	0.047641	0.676134	-16.134160
217	-14.000000	21.000000	0.0	0.0	0.002615	0.051466	-0.712370	-21.282590
218	-14.000000	26.000000	0.0	0.0	0.003171	0.065905	-0.642853	-11.307231
219	-14.000000	32.000000	0.0	100.000000	0.000015	0.161387	-0.453236	-4.038950
220	-16.000000	32.000000	0.0	100.000000	-0.001453	0.056134	0.005547	-3.933991
221	-16.000000	26.000000	0.0	0.0	0.002760	0.065055	-0.004500	-10.980539
222	-16.000000	21.000000	0.0	0.0	0.002316	0.052153	-0.015112	-21.508729
223	-16.000000	17.000000	0.0	0.0	0.001539	0.048822	0.445352	-18.147994
224	-16.000000	14.000000	0.0	0.0	0.001056	0.044436	0.667947	-12.961226
225	-16.000000	12.000000	0.0	0.0	-0.000160	0.043671	0.154422	-8.263234
226	-16.000000	10.000000	0.0	0.0	0.000265	0.000367	-0.047215	-0.103472
227	-16.000000	8.000000	0.0	0.0	0.000214	0.000276	-0.068703	-0.124235
228	-16.000000	6.000000	0.0	0.0	0.000169	0.000144	-0.083414	-0.103656
229	-16.000000	3.000000	0.0	0.0	0.000106	0.000051	-0.050975	-0.082319
230	-16.000000	0.0	0.0	-100.000000	0.0	0.0	-0.627205	58.289445
231	-19.000000	0.0	0.0	-100.000000	0.0	0.0	-0.352122	97.725453
232	-19.000000	3.000000	0.0	0.0	0.000055	0.000105	-0.054365	-0.085401
233	-19.000000	6.000000	0.0	0.0	0.000055	0.000174	-0.055212	-0.108731
234	-19.000000	8.000000	0.0	0.0	0.000145	0.000344	-0.050092	-0.151453
235	-19.000000	10.000000	0.0	0.0	0.000236	0.000457	-0.044736	-0.118898
236	-19.000000	12.000000	0.0	0.0	0.000723	0.044708	0.282745	-10.253153
237	-19.000000	14.000000	0.0	0.0	0.001164	0.045466	-0.005613	-13.929596
238	-19.000000	17.000000	0.0	0.0	0.001590	0.045384	0.727853	-19.088312
239	-19.000000	21.000000	0.0	0.0	0.001553	0.052172	0.450557	-20.528497
240	-19.000000	26.000000	0.0	0.0	0.001573	0.062726	0.556513	-10.407487
241	-19.000000	32.000000	0.0	100.000000	-0.004052	0.087686	0.267287	-3.569962
242	-22.000000	32.000000	0.0	100.000000	-0.006665	0.078320	0.637445	-3.636950
243	-22.000000	26.000000	0.0	0.0	-0.000234	0.059245	1.075327	-11.618454
244	-22.000000	21.000000	0.0	0.0	0.000403	0.050920	1.112894	-23.262198
245	-22.000000	17.000000	0.0	0.0	0.001377	0.046680	0.545634	-20.678123
246	-22.000000	14.000000	0.0	0.0	0.001165	0.045207	0.060607	-17.601303
247	-22.000000	12.000000	0.0	0.0	0.001523	0.044596	-0.014218	-11.637130
248	-22.000000	10.000000	0.0	0.0	0.000071	0.000473	-0.024790	-0.155760
249	-22.000000	8.000000	0.0	0.0	0.000061	0.000376	-0.035140	-0.166083
250	-22.000000	6.000000	0.0	0.0	0.000036	0.000195	-0.038735	-0.130026
251	-22.000000	3.000000	0.0	0.0	0.000017	0.000116	-0.035756	-0.053375
252	-22.000000	0.0	0.0	-100.000000	0.0	0.0	-0.113376	96.859717
253	-27.000000	0.0	0.0	-100.000000	0.0	0.0	0.711659	54.505596
254	-27.000000	3.000000	0.0	0.0	-0.000035	0.000126	-0.020541	-0.141948
255	-27.000000	6.000000	0.0	0.0	-0.000050	0.000205	-0.023036	-0.151673
256	-27.000000	8.000000	0.0	0.0	-0.000069	0.000394	-0.021341	-0.305623
257	-27.000000	10.000000	0.0	0.0	-0.000066	0.000562	-0.016302	-0.233957
258	-27.000000	12.000000	0.0	0.0	0.001566	0.042128	0.059406	-18.827020
259	-27.000000	14.000000	0.0	0.0	0.000546	0.042587	0.067890	-24.632424
260	-27.000000	17.000000	0.0	0.0	0.000101	0.045370	1.010515	-27.753004
261	-27.000000	21.000000	0.0	0.0	-0.002009	0.046502	1.588787	-27.625987
262	-27.000000	26.000000	0.0	0.0	-0.003901	0.052377	1.425130	-12.527354
263	-27.000000	32.000000	0.0	100.000000	-0.011001	0.064157	0.715678	-4.019990

264	-35.000000	32.000000	0.0	100.000000	[illegible]	[illegible]	[illegible]	[illegible]
265	-35.000000	26.000000	0.0	0.0	-0.009962	0.043215	2.315547	-12.851852
266	-35.000000	21.000000	0.0	0.0	-0.006717	0.029475	2.505434	-29.350476
267	-35.000000	17.000000	0.0	0.0	-0.003532	0.028451	1.266626	-27.376236
268	-35.000000	14.000000	0.0	0.0	-0.002533	0.036527	0.314121	-27.204687
269	-35.000000	12.000000	0.0	0.0	-0.001248	0.036300	-0.068808	-16.027361
270	-35.000000	10.000000	0.0	0.0	-0.000346	0.000484	-0.007015	-0.281492
271	-35.000000	8.000000	0.0	0.0	-0.000327	0.000395	-0.012023	-0.325819
272	-35.000000	6.000000	0.0	0.0	-0.000222	0.000226	-0.011848	-0.207919
273	-35.000000	3.000000	0.0	0.0	-0.000156	0.000143	-0.012103	-0.140852
274	-35.000000	0.0	0.0	-100.000000	0.0	0.0	3.345436	52.074864
275	-43.000000	0.0	0.0	-100.000000	0.0	0.0	5.256463	87.611704
276	-43.000000	3.000000	0.0	0.0	-0.000404	0.010204	-0.008213	-0.134428
277	-43.000000	6.000000	0.0	0.0	-0.000586	0.000252	-0.006023	-0.184397
278	-43.000000	8.000000	0.0	0.0	-0.000855	0.000425	-0.004556	-0.301742
279	-43.000000	10.000000	0.0	0.0	-0.000953	0.000465	-0.000651	-0.230544
280	-43.000000	12.000000	0.0	0.0	-0.005527	0.030572	0.067353	-16.551406
281	-43.000000	14.000000	0.0	0.0	-0.007264	0.021091	0.518615	-22.065348
282	-43.000000	17.000000	0.0	0.0	-0.009161	0.032441	2.115842	-23.968322
283	-43.000000	21.000000	0.0	0.0	-0.012073	0.033198	3.570274	-23.491073
284	-43.000000	26.000000	0.0	0.0	-0.015551	0.026433	3.066087	-10.306655
285	-43.000000	32.000000	0.0	100.000000	-0.020477	0.044628	1.515287	-3.226625
286	-52.000000	32.000000	0.0	100.000000	-0.026178	0.027332	1.519534	-2.304213
287	-52.000000	26.000000	0.0	0.0	-0.022814	0.029530	3.155571	-6.757999
288	-52.000000	21.000000	0.0	0.0	-0.018776	0.026394	5.166462	-15.565237
289	-52.000000	17.000000	0.0	0.0	-0.015783	0.025796	2.415002	-14.617684
290	-52.000000	14.000000	0.0	0.0	-0.013832	0.024879	0.534920	-14.807114
291	-52.000000	12.000000	0.0	0.0	-0.011636	0.024554	-0.472083	-5.500100
292	-52.000000	10.000000	0.0	0.0	-0.002713	0.000514	0.006253	-0.160195
293	-52.000000	8.000000	0.0	0.0	-0.002511	0.000568	-0.001568	-0.187043
294	-52.000000	6.000000	0.0	0.0	-0.001581	0.000501	-0.002115	-0.119651
295	-52.000000	3.000000	0.0	0.0	-0.001038	0.000373	-0.007654	-0.081227
296	-52.000000	0.0	0.0	-100.000000	0.0	0.0	25.322668	75.269061
297	-61.000000	0.0	0.0	-100.000000	0.0	0.0	60.185284	56.622659
298	-61.000000	3.000000	0.0	0.0	-0.002505	0.000617	-0.000133	-0.015843
299	-61.000000	6.000000	0.0	0.0	-0.004250	0.000327	0.006131	-0.018477
300	-61.000000	8.000000	0.0	0.0	-0.007058	0.000685	0.611096	-0.022337
301	-61.000000	10.000000	0.0	0.0	-0.007832	0.000330	0.012880	-0.013611
302	-61.000000	12.000000	0.0	0.0	-0.020360	0.016000	0.752196	-118.325816
303	-61.000000	14.000000	0.0	0.0	-0.022601	0.011511	1.580575	-1.622778
304	-61.000000	17.000000	0.0	0.0	-0.022858	0.016122	3.225551	-3.428247
305	-61.000000	21.000000	0.0	0.0	-0.025084	0.017866	5.469852	-3.862040
306	-61.000000	26.000000	0.0	0.0	-0.027717	0.022456	3.865656	-1.577876
307	-61.000000	32.000000	0.0	100.000000	-0.031132	0.031469	1.874455	-0.628976
308	-70.000000	32.000000	-42.280000	100.000000	-0.035004	0.037561	0.536030	0.142975
309	-70.000000	26.000000	-42.280000	0.0	-0.032063	0.021446	1.654325	0.440382
310	-70.000000	21.000000	-42.280000	0.0	-0.029880	0.014257	2.728736	0.523731
311	-70.000000	17.000000	-42.280000	0.0	-0.029082	0.011428	1.428464	0.750028
312	-70.000000	14.000000	-42.280000	0.0	-0.033812	0.003165	0.626056	0.218704
313	-70.000000	12.000000	-42.280000	0.0	-0.034016	0.0	0.479464	-104.157354
314	-70.000000	10.000000	-42.280000	0.0	-0.020685	0.0	0.008262	41.000290
315	-70.000000	8.000000	-42.280000	0.0	-0.018503	-0.000575	0.006865	0.001788
316	-70.000000	6.000000	-42.280000	0.0	-0.010619	-0.001302	0.005694	0.002794
317	-70.000000	3.000000	-42.280000	0.0	-0.006410	-0.001064	0.002966	0.002551
318	-70.000000	0.0	-42.280000	-100.000000	0.0	0.0	105.505528	133.600125

NUMERO DE INCREMENTOS 1 NIVEL DE CARGA = 0.4226 TIEMPO= 0

100 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.615983D 03

200 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.601853D 03

300 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.588740D 03

400 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.576826D 03

500 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.566047D 03

600 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.556382D 03

700 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.547423D 03

800 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.527072D 03

900 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.516408D 03

1000 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.507757D 03

MAXIMO DE ITERACIONES COMPLETADO SIN CONVERGENCIA

1000 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.507757D 03

INCREMENTO EQUILIBRIO 0 FUERZA DESBALANCEADA = 1894.45972

ELEMENTOS PLASTICOS EN EL NIVEL ACTUAL DE CARGA

ELEM	SIG-X	SIG-Y	SIG-XY	EPS-X	EPS-Y	EPS-XY	Y,1	Y,2	Y,3	E(1,1)	E(2,2)	E(3,3)	ZRC
221	7.3	5.8	-1.2	0.480-03	0.0	-0.770-03	0.110 01	0.610 00	-0.850 00	0.120 04	0.330 04	0.170 04	1.00
222	7.4	5.5	-1.3	0.500-03	-0.720-04	-0.810-03	0.120 01	0.580 00	-0.820 00	0.120 04	0.340 04	0.130 04	1.00
224	7.0	6.4	-1.2	0.360-03	0.150-03	-0.750-03	0.100 01	0.730 00	-0.960 00	0.170 04	0.280 04	0.170 04	1.00
226	6.5	6.9	-1.2	0.210-03	0.350-03	-0.780-03	0.760 00	0.950 00	-0.990 00	0.200 04	0.150 04	0.130 04	1.00
227	6.3	7.1	-1.1	0.970-04	0.350-03	-0.660-03	0.690 00	0.100 01	-0.940 00	0.250 04	0.160 04	0.110 04	1.00
228	6.1	7.2	-1.2	0.110-03	0.500-03	-0.780-03	0.650 00	0.110 01	-0.900 00	0.310 04	0.140 04	0.130 04	1.00
229	5.9	7.4	-1.6	0.290-04	0.500-03	-0.670-03	0.500 00	0.120 01	-0.820 00	0.340 04	0.120 04	0.170 04	1.00
230	5.8	7.4	-1.1	0.410-04	0.620-03	-0.760-03	0.570 00	0.120 01	-0.800 00	0.340 04	0.110 04	0.170 04	1.00
231	5.7	7.6	-0.9	-0.250-04	0.620-03	-0.630-03	0.510 00	0.120 01	-0.700 00	0.360 04	0.850 03	0.130 04	1.00
232	5.5	7.6	-1.0	-0.500-05	0.730-03	-0.740-03	0.520 00	0.120 01	-0.710 00	0.360 04	0.900 03	0.170 04	1.00
233	5.4	7.7	-0.8	-0.690-04	0.730-03	-0.580-03	0.460 00	0.130 01	-0.580 00	0.380 04	0.680 03	0.130 04	1.00
234	5.3	7.7	-1.0	-0.350-04	0.870-03	-0.750-03	0.480 00	0.130 01	-0.640 00	0.370 04	0.770 03	0.170 04	1.00
235	5.1	8.0	-0.5	-0.150-03	0.870-03	-0.360-03	0.400 00	0.130 01	-0.320 00	0.400 04	0.420 03	0.170 04	1.00
236	3.7	8.2	-1.0	-0.280-03	0.150-02	-0.800-03	0.420 00	0.130 01	-0.420 00	0.400 04	0.450 03	0.170 04	1.00
237	3.1	8.3	1.5	-0.400-03	0.150-02	0.110-02	0.440 00	0.130 01	0.510 00	0.360 04	0.250 03	0.170 04	1.00
238	-2.5	5.7	-2.6	-0.130-02	0.310-02	-0.190-02	0.410 00	0.130 01	-0.350 00	0.400 04	0.480 03	0.170 04	1.00
255	0.0	0.1	-0.0	0.530-04	0.120-01	-0.900-03	0.370 00	0.140 01	-0.720-01	0.500 01	0.430 00	0.250 01	1.00
256	0.0	0.1	-0.0	-0.640-04	0.140-01	-0.240-02	0.380 00	0.140 01	-0.170 00	0.500 01	0.470 00	0.250 01	1.00
257	0.2	0.3	-0.0	0.110-04	0.140-01	-0.860-03	0.370 00	0.140 01	-0.610-01	0.110 02	0.800 00	0.460 01	1.00
258	0.2	0.3	-0.0	-0.200-03	0.150-01	-0.150-02	0.370 00	0.140 01	-0.100 00	0.110 02	0.820 00	0.460 01	1.00

NUMERO DE INCREMENTOS 2 NIVEL DE CARGA = 0.7113 ITEPPL= 0

100 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.770463D 03

200 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.682637D 03

300 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.634468D 03

400 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.609099D 03

500 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.594760D 03

600 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.583980D 03

700 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.574820D 03

800 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.566811D 03

900 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.559516D 03

1000 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.552723D 03

MAXIMO DE ITERACIONES COMPLETADO SIN CONVERGENCIA

1000 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.552723D 03

INCREMENTO EQUILIBRIO 0 FUERZA DESBALANCEADA = 3444.47930

ELEMENTOS PLASTICOS EN EL NIVEL ACTUAL DE CARGA

ELEM	SIG-X	SIG-Y	SIG-XY	EPS-X	EPS-Y	EPS-XY	Y,1	Y,2	Y,3	E(1,1)	E(2,2)	E(3,3)	ZEC
221	7.3	4.4	-2.2	0.10D-02	0.0	-0.16D-02	0.11D 01	0.46D 00	-0.84D 00	0.12D 04	0.33D 04	0.17D 04	1.00
222	6.9	5.5	-2.0	0.10D-02	0.28D-03	-0.16D-02	0.10D 01	0.70D 00	-0.94D 00	0.18D 04	0.29D 04	0.17D 04	1.01
223	6.7	6.1	-1.7	0.46D-03	0.28D-03	-0.12D-02	0.95D 00	0.79D 00	-0.99D 00	0.20D 04	0.26D 04	0.17D 04	1.08
224	4.8	7.8	-2.5	0.74D-03	0.13D-02	-0.24D-02	0.61D 00	0.11D 01	-0.86D 00	0.32D 04	0.13D 04	0.17D 04	1.07
225	3.9	7.8	-1.9	-0.15D-03	0.13D-02	-0.15D-02	0.52D 00	0.12D 01	-0.71D 00	0.36D 04	0.09D 03	0.17D 04	1.00
226	-1.0	11.0	-3.1	0.60D-03	0.46D-02	-0.46D-02	0.42D 00	0.13D 01	-0.41D 00	0.39D 04	0.54D 03	0.17D 04	1.20
227	-0.2	11.3	-1.3	0.31D-03	0.46D-02	-0.32D-02	0.38D 00	0.14D 01	-0.22D 00	0.41D 04	0.35D 03	0.17D 04	1.20
228	-2.9	11.9	-2.0	0.41D-03	0.44D-02	-0.45D-02	0.39D 00	0.13D 01	-0.27D 00	0.41D 04	0.38D 03	0.17D 04	1.20
229	-2.4	11.9	-0.7	0.17D-03	0.44D-02	-0.33D-02	0.37D 00	0.14D 01	-0.97D-01	0.41D 04	0.31D 03	0.17D 04	1.19
230	-4.9	12.4	-1.5	0.22D-03	0.60D-02	-0.45D-02	0.38D 00	0.14D 01	-0.11D 00	0.41D 04	0.33D 03	0.17D 04	1.19
231	-3.9	12.0	-0.3	0.15D-03	0.80D-02	-0.34D-02	0.37D 00	0.14D 01	-0.34D-01	0.41D 04	0.30D 03	0.17D 04	1.16
232	-6.6	12.9	-0.7	0.62D-04	0.95D-02	-0.43D-02	0.37D 00	0.14D 01	-0.72D-01	0.41D 04	0.31D 03	0.17D 04	1.19
233	-4.7	11.9	-0.3	0.26D-03	0.95D-02	-0.31D-02	0.37D 00	0.14D 01	-0.33D-01	0.41D 04	0.30D 03	0.17D 04	1.14
234	-8.1	13.4	-0.1	-0.11D-03	0.11D-01	-0.39D-02	0.37D 00	0.14D 01	-0.65D-02	0.41D 04	0.30D 03	0.17D 04	1.19
235	-4.8	10.9	-0.3	0.30D-03	0.11D-01	-0.22D-02	0.37D 00	0.14D 01	-0.36D-01	0.41D 04	0.30D 03	0.17D 04	1.03
236	-10.1	12.7	-0.5	-0.42D-03	0.12D-01	-0.32D-02	0.37D 00	0.14D 01	-0.47D-01	0.41D 04	0.31D 03	0.17D 04	1.06
237	-7.3	14.1	-4.3	0.11D-03	0.12D-01	0.11D-02	0.41D 00	0.13D 01	-0.37D 00	0.40D 04	0.45D 03	0.17D 04	1.35
238	-16.8	14.4	-1.7	-0.12D-02	0.15D-01	-0.42D-02	0.37D 00	0.14D 01	-0.11D 00	0.41D 04	0.32D 03	0.17D 04	1.05
239	10.4	20.7	0.4	-0.19D-02	0.20D-01	0.18D-02	0.37D 00	0.14D 01	-0.80D-01	0.66D 03	0.50D 02	0.28D 03	1.00
240	9.8	20.9	-0.1	-0.28D-02	0.21D-01	-0.45D-03	0.37D 00	0.14D 01	-0.15D-01	0.66D 03	0.45D 02	0.28D 03	1.00
241	10.2	20.7	0.7	-0.20D-02	0.21D-01	0.31D-02	0.37D 00	0.14D 01	0.13D 00	0.66D 03	0.52D 02	0.28D 03	1.00
242	9.4	21.0	0.3	-0.31D-02	0.21D-01	0.12D-02	0.37D 00	0.14D 01	-0.50D-01	0.66D 03	0.45D 02	0.28D 03	1.00
243	10.0	20.7	1.5	-0.22D-02	0.21D-01	0.65D-02	0.39D 00	0.13D 01	0.27D 00	0.65D 03	0.61D 02	0.28D 03	1.00
244	8.8	21.1	1.0	-0.40D-02	0.21D-01	0.43D-02	0.38D 00	0.14D 01	0.17D 00	0.66D 03	0.53D 02	0.28D 03	1.00
245	9.6	20.9	-0.9	-0.20D-02	0.25D-01	-0.43D-02	0.38D 00	0.14D 01	-0.16D 00	0.66D 03	0.53D 02	0.28D 03	1.00
246	9.4	21.0	-0.2	-0.24D-02	0.24D-01	-0.11D-02	0.37D 00	0.14D 01	-0.41D-01	0.66D 03	0.45D 02	0.28D 03	1.00
247	10.0	20.8	-0.7	-0.17D-02	0.23D-01	-0.31D-02	0.37D 00	0.14D 01	-0.12D 00	0.66D 03	0.51D 02	0.28D 03	1.00
248	9.9	20.8	-0.5	-0.18D-02	0.23D-01	-0.22D-02	0.37D 00	0.14D 01	-0.86D-01	0.66D 03	0.50D 02	0.28D 03	1.00
249	10.1	20.8	-0.5	-0.16D-02	0.23D-01	-0.25D-02	0.37D 00	0.14D 01	-0.10D 00	0.66D 03	0.50D 02	0.28D 03	1.00
250	10.1	20.8	-0.6	-0.15D-02	0.23D-01	-0.30D-02	0.37D 00	0.14D 01	-0.12D 00	0.66D 03	0.51D 02	0.28D 03	1.00
251	10.0	20.8	-0.4	-0.16D-02	0.24D-01	-0.21D-02	0.37D 00	0.14D 01	-0.82D-01	0.66D 03	0.50D 02	0.28D 03	1.00
252	10.0	20.8	-0.8	-0.14D-02	0.24D-01	-0.40D-02	0.38D 00	0.14D 01	-0.15D 00	0.66D 03	0.53D 02	0.28D 03	1.00
253	9.6	20.9	-0.3	-0.18D-02	0.25D-01	-0.17D-02	0.37D 00	0.14D 01	-0.62D-01	0.66D 03	0.45D 02	0.28D 03	1.00
254	9.6	20.9	-1.1	-0.16D-02	0.26D-01	-0.55D-02	0.38D 00	0.14D 01	-0.20D 00	0.66D 03	0.56D 02	0.28D 03	1.00
257	0.2	0.3	-0.0	0.25D-04	0.31D-01	-0.20D-02	0.37D 00	0.14D 01	-0.67D-01	0.11D 02	0.80D 00	0.46D 01	1.00

258	0.1	0.3	-0.0	-0.420-03	0.330-01	-0.330-02	0.370	00	0.140	01	-0.570-01	0.170	02	0.120	01	0.740	01	1.00
259	0.2	0.6	-0.0	-0.820-05	0.330-01	-0.170-02	0.370	00	0.140	01	-0.510-01	0.170	02	0.120	01	0.740	01	1.00
260	0.2	0.6	-0.0	-0.480-03	0.340-01	-0.210-02	0.370	00	0.140	01	-0.630-01	0.170	02	0.120	01	0.740	01	1.00
261	0.2	0.6	-0.0	-0.990-05	0.340-01	-0.120-02	0.370	00	0.140	01	-0.350-01	0.170	02	0.120	01	0.740	01	1.00
262	0.2	0.6	-0.0	-0.410-03	0.340-01	-0.980-03	0.370	00	0.140	01	-0.220-01	0.170	02	0.120	01	0.740	01	1.00
263	0.2	0.8	0.2	-0.660-03	0.340-01	0.220-01	0.450	00	0.130	01	0.540	00	0.200	02	0.340	01	0.930	01	1.00
264	0.2	0.8	0.0	-0.440-03	0.340-01	0.230-03	0.370	00	0.140	01	0.660-02	0.210	02	0.150	01	0.960	01	1.00
265	0.3	0.8	0.0	-0.230-04	0.340-01	0.190-03	0.370	00	0.140	01	0.560-02	0.210	02	0.150	01	0.960	01	1.00
266	0.3	0.8	0.0	-0.210-03	0.330-01	0.130-02	0.370	00	0.140	01	0.410-01	0.210	02	0.160	01	0.960	01	1.00
267	0.4	1.0	0.0	0.250-04	0.330-01	0.780-03	0.370	00	0.140	01	0.240-01	0.250	02	0.190	01	0.110	02	1.00
268	0.4	1.0	0.0	0.120-03	0.290-01	0.140-02	0.370	00	0.140	01	0.470-01	0.250	02	0.190	01	0.110	02	1.00
269	0.4	1.0	0.0	0.540-04	0.290-01	0.390-03	0.370	00	0.140	01	0.140-01	0.250	02	0.190	01	0.110	02	1.00
302	-21.0	52.4	6.5	-0.290-02	0.530-02	0.140-02	0.380	00	0.140	01	0.130	00	0.940	04	0.790	03	0.460	04	1.00
508	8.7	25.1	4.2	0.250-03	0.410-02	-0.200-02	0.430	00	0.130	01	-0.460	00	0.450	04	0.710	03	0.230	04	1.00
509	8.5	25.9	-1.3	0.110-03	0.410-02	-0.610-03	0.380	00	0.140	01	-0.150	00	0.510	04	0.410	03	0.240	04	1.00
510	8.1	25.0	-5.0	0.360-03	0.470-02	-0.260-02	0.440	00	0.130	01	-0.510	00	0.490	04	0.600	03	0.230	04	1.00
511	7.1	26.3	-1.0	0.170-05	0.470-02	-0.400-03	0.370	00	0.140	01	-0.100	00	0.510	04	0.390	03	0.240	04	1.00
512	7.7	25.4	-4.4	0.420-03	0.530-02	-0.240-02	0.420	00	0.130	01	-0.450	00	0.490	04	0.650	03	0.230	04	1.00
513	5.6	26.7	-0.8	-0.130-03	0.530-02	-0.420-03	0.370	00	0.140	01	-0.170-01	0.510	04	0.380	03	0.240	04	1.00
514	9.0	25.7	-1.6	0.580-03	0.530-02	-0.910-03	0.380	00	0.140	01	-0.190	00	0.510	04	0.430	03	0.240	04	1.00
515	5.6	26.7	-0.7	-0.120-03	0.530-02	-0.350-03	0.370	00	0.140	01	-0.640-01	0.510	04	0.380	03	0.240	04	1.00
516	10.2	25.4	1.0	0.690-03	0.500-02	0.650-03	0.370	00	0.140	01	0.130	00	0.510	04	0.400	03	0.240	04	1.00
517	7.0	26.3	-0.7	0.460-04	0.500-02	-0.350-03	0.370	00	0.140	01	-0.710-01	0.510	04	0.380	03	0.240	04	1.00
518	10.4	25.4	-0.0	0.660-03	0.480-02	-0.170-04	0.370	00	0.140	01	-0.410-02	0.510	04	0.370	03	0.240	04	1.00
519	7.7	26.1	-0.8	0.130-03	0.480-02	-0.400-03	0.370	00	0.140	01	-0.850-01	0.510	04	0.350	03	0.240	04	1.00
520	10.6	25.4	-0.5	0.680-03	0.470-02	-0.270-03	0.370	00	0.140	01	-0.670-01	0.510	04	0.380	03	0.240	04	1.00
521	8.1	26.0	-0.9	0.200-03	0.470-02	-0.430-03	0.370	00	0.140	01	-0.560-01	0.510	04	0.390	03	0.240	04	1.00
522	11.0	25.3	-0.6	0.730-03	0.460-02	-0.340-03	0.370	00	0.140	01	-0.850-01	0.510	04	0.350	03	0.240	04	1.00
523	8.6	25.9	-0.9	0.260-03	0.460-02	-0.440-03	0.370	00	0.140	01	-0.100	00	0.510	04	0.390	03	0.240	04	1.00
524	11.5	25.1	-0.6	0.800-03	0.450-02	-0.310-03	0.370	00	0.140	01	-0.830-01	0.510	04	0.350	03	0.240	04	1.00
525	9.1	25.8	-0.8	0.330-03	0.450-02	-0.400-03	0.370	00	0.140	01	-0.950-01	0.510	04	0.350	03	0.240	04	1.00
526	12.2	24.9	-0.2	0.890-03	0.430-02	-0.110-03	0.370	00	0.140	01	-0.330-01	0.510	04	0.380	03	0.240	04	1.00
527	9.7	25.6	-0.6	0.400-03	0.430-02	-0.290-03	0.370	00	0.140	01	-0.740-01	0.510	04	0.380	03	0.240	04	1.00
528	13.1	24.7	0.6	0.100-02	0.410-02	0.320-03	0.370	00	0.140	01	0.100	00	0.510	04	0.390	03	0.240	04	1.00
529	10.5	25.4	-0.3	0.500-03	0.410-02	-0.150-03	0.370	00	0.140	01	-0.420-01	0.510	04	0.380	03	0.240	04	1.00
530	14.2	24.0	2.5	0.110-02	0.350-02	0.120-02	0.430	00	0.130	01	0.460	00	0.450	04	0.710	03	0.230	04	1.00
531	12.0	25.0	0.1	0.650-03	0.350-02	0.620-04	0.370	00	0.140	01	0.210-01	0.510	04	0.380	03	0.240	04	1.00

NUMERO DE INCREMENTOS 3 NIVEL DE CARGA = 1.0000 ELEMPL= 0

100 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.103932D 04

200 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.115612D 04

300 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.989301D 03

400 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.895904D 03

500 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.841729D 03

600 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.803227D 03

700 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.771816D 03

800 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.745323D 03

900 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.723646D 03

1000 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.703993D 03

MAXIMO DE ITERACIONES COMPLETADO SIN CONVERGENCIA

1000 ITERACIONES COMPLETAS TOTAL ERROR ACTUAL = 0.703993D 03

INCREMENTO EQUILIBRIO 0 FUERZA DESBALANCEADA = 5575.38143

ELEMENTOS PLASTICOS EN EL NIVEL ACTUAL DE CARGA

ELEM	SIG-X	SIG-Y	SIG-XY	EPS-X	EPS-Y	EPS-XY	Y,1	Y,2	Y,3	E(1,1)	E(2,2)	E(3,3)	ZEC
221	7.2	3.3	-3.1	0.150-02	0.0	-0.240-02	0.11D 01	0.60D 00	-0.85D 00	0.12D 04	0.33D 04	0.17D 04	1.00
222	4.0	8.4	-3.0	0.160-02	0.210-02	-0.35D-02	0.50D 00	0.12D 01	-0.81D 00	0.34D 04	0.11D 04	0.17D 04	1.13
223	3.9	9.6	-1.6	0.690-03	0.210-02	-0.23D-02	0.43D 00	0.13D 01	-0.46D 00	0.35D 04	0.55D 03	0.17D 04	1.17
224	-2.1	11.3	-2.7	0.120-02	0.660-02	-0.54D-02	0.41D 00	0.13D 01	-0.33D 00	0.40D 04	0.45D 03	0.17D 04	1.19
225	-2.1	10.8	-1.1	0.170-03	0.660-02	-0.33D-02	0.38D 00	0.14D 01	-0.16D 00	0.41D 04	0.33D 03	0.17D 04	1.09
226	-10.8	13.8	-4.2	0.760-03	0.130-01	-0.75D-02	0.40D 00	0.13D 01	-0.33D 00	0.40D 04	0.41D 03	0.17D 04	1.22
227	-8.6	13.5	-2.0	0.560-03	0.130-01	-0.47D-02	0.38D 00	0.14D 01	-0.18D 00	0.41D 04	0.33D 03	0.17D 04	1.21
228	-14.6	14.9	-3.5	0.460-03	0.160-01	-0.70D-02	0.38D 00	0.14D 01	-0.23D 00	0.41D 04	0.36D 03	0.17D 04	1.20
229	-12.9	14.6	-1.8	0.380-03	0.160-01	-0.46D-02	0.37D 00	0.14D 01	-0.13D 00	0.41D 04	0.32D 03	0.17D 04	1.19
230	-18.0	15.9	-3.0	0.270-03	0.200-01	-0.66D-02	0.38D 00	0.14D 01	-0.18D 00	0.41D 04	0.33D 03	0.17D 04	1.19
231	-16.1	15.3	-1.4	0.360-03	0.200-01	-0.43D-02	0.37D 00	0.14D 01	-0.92D-01	0.41D 04	0.31D 03	0.17D 04	1.17
232	-20.9	16.7	-2.7	0.180-03	0.230-01	-0.60D-02	0.38D 00	0.14D 01	-0.14D 00	0.41D 04	0.32D 03	0.17D 04	1.19
233	-18.4	15.7	-1.2	0.460-03	0.230-01	-0.37D-02	0.37D 00	0.14D 01	-0.72D-01	0.41D 04	0.31D 03	0.17D 04	1.14
234	-22.8	17.3	-2.9	0.180-03	0.250-01	-0.56D-02	0.38D 00	0.14D 01	-0.14D 00	0.41D 04	0.32D 03	0.17D 04	1.20
235	-19.6	15.0	-0.6	0.520-03	0.250-01	-0.20D-02	0.37D 00	0.14D 01	-0.37D-01	0.41D 04	0.30D 03	0.17D 04	1.03
236	-25.1	16.7	-3.2	0.950-04	0.280-01	-0.52D-02	0.38D 00	0.14D 01	-0.15D 00	0.41D 04	0.33D 03	0.17D 04	1.07
237	-23.1	20.1	0.1	0.550-03	0.280-01	0.26D-03	0.37D 00	0.14D 01	0.40D-02	0.41D 04	0.30D 03	0.17D 04	1.48
238	-32.3	18.4	-4.0	-0.550-03	0.310-01	-0.66D-02	0.38D 00	0.14D 01	-0.16D 00	0.41D 04	0.33D 03	0.17D 04	1.65
239	7.0	21.7	-0.1	-0.230-02	0.380-01	0.82D-03	0.37D 00	0.14D 01	-0.14D-01	0.66D 03	0.45D 02	0.26D 03	1.00
240	6.7	21.7	-0.6	-0.280-02	0.380-01	-0.24D-02	0.37D 00	0.14D 01	-0.80D-01	0.66D 03	0.50D 02	0.26D 03	1.00
241	6.8	21.7	-0.1	-0.230-02	0.390-01	0.17D-02	0.37D 00	0.14D 01	-0.11D-01	0.66D 03	0.45D 02	0.26D 03	1.00
242	6.4	21.8	-0.6	-0.290-02	0.390-01	-0.15D-02	0.37D 00	0.14D 01	-0.82D-01	0.66D 03	0.50D 02	0.26D 03	1.00
243	6.5	21.9	0.2	-0.240-02	0.400-01	0.49D-02	0.37D 00	0.14D 01	0.23D-01	0.66D 03	0.45D 02	0.26D 03	1.01
244	5.6	22.1	-0.3	-0.390-02	0.400-01	0.14D-02	0.37D 00	0.14D 01	-0.35D-01	0.66D 03	0.49D 02	0.26D 03	1.01
245	6.2	21.8	-0.9	-0.200-02	0.430-01	-0.61D-02	0.37D 00	0.14D 01	-0.12D 00	0.66D 03	0.51D 02	0.26D 03	1.00
246	6.2	21.8	-0.6	-0.220-02	0.430-01	-0.29D-02	0.37D 00	0.14D 01	-0.78D-01	0.66D 03	0.50D 02	0.26D 03	1.00
247	6.7	21.7	-0.8	-0.160-02	0.420-01	-0.49D-02	0.37D 00	0.14D 01	-0.10D 00	0.66D 03	0.51D 02	0.26D 03	1.00
248	6.7	21.7	-0.5	-0.160-02	0.420-01	-0.45D-02	0.37D 00	0.14D 01	-0.11D 00	0.66D 03	0.51D 02	0.26D 03	1.00
250	6.8	21.6	-1.0	-0.120-02	0.430-01	-0.56D-02	0.37D 00	0.14D 01	-0.13D 00	0.66D 03	0.52D 02	0.26D 03	1.00
251	6.6	21.7	-0.7	-0.140-02	0.440-01	-0.40D-02	0.37D 00	0.14D 01	-0.93D-01	0.66D 03	0.50D 02	0.26D 03	1.00
253	6.1	21.9	-0.7	-0.160-02	0.460-01	-0.36D-02	0.37D 00	0.14D 01	-0.66D-01	0.66D 03	0.50D 02	0.26D 03	1.00
254	6.0	21.8	-1.4	-0.130-02	0.460-01	-0.90D-02	0.38D 00	0.14D 01	-0.11D 00	0.66D 03	0.54D 02	0.26D 03	1.00
255	-0.0	0.1	-0.0	0.930-04	0.490-01	-0.41D-02	0.37D 00	0.14D 01	-0.80D-01	0.58D 01	0.44D 00	0.25D 01	1.00
256	-0.0	0.1	-0.0	-0.380-03	0.540-01	-0.81D-02	0.38D 00	0.14D 01	-0.15D 00	0.58D 01	0.46D 00	0.25D 01	1.00
257	0.1	0.4	-0.0	0.240-04	0.540-01	-0.38D-02	0.37D 00	0.14D 01	-0.76D-01	0.11D 02	0.81D 00	0.46D 01	1.00

258	0.1	0.4	-0.0	-0.800-03	0.580-01	-0.350-02	0.370	00	0.140	01	-0.560-01	0.170	02	0.120	01	0.740	01	1.00
259	0.1	0.6	-0.0	-0.910-05	0.560-01	-0.310-02	0.370	00	0.140	01	-0.560-01	0.170	02	0.120	01	0.740	01	1.00
260	0.1	0.6	-0.0	-0.980-03	0.570-01	-0.350-02	0.370	00	0.140	01	-0.570-01	0.170	02	0.120	01	0.740	01	1.00
261	0.1	0.6	-0.0	-0.870-05	0.570-01	-0.210-02	0.370	00	0.140	01	-0.360-01	0.170	02	0.120	01	0.740	01	1.00
262	0.1	0.6	-0.0	-0.970-03	0.580-01	-0.100-02	0.370	00	0.140	01	-0.100-01	0.170	02	0.120	01	0.740	01	1.00
263	0.0	0.8	0.2	-0.750-03	0.580-01	0.380-01	0.450	00	0.130	01	0.550	00	0.200	02	0.350	01	0.530	01	1.00
264	0.1	0.8	0.0	-0.100-02	0.570-01	0.160-02	0.370	00	0.140	01	0.400-01	0.210	02	0.160	01	0.560	01	1.00
265	0.1	0.8	0.0	0.250-04	0.570-01	0.990-03	0.370	00	0.140	01	0.250-01	0.210	02	0.150	01	0.560	01	1.00
266	0.1	0.8	0.0	-0.640-03	0.530-01	0.440-02	0.370	00	0.140	01	0.100	00	0.210	02	0.160	01	0.560	01	1.00
267	0.2	1.1	0.0	0.330-04	0.530-01	0.270-02	0.370	00	0.140	01	0.640-01	0.250	02	0.150	01	0.110	02	1.00
268	0.3	1.0	0.1	0.700-04	0.410-01	0.530-02	0.380	00	0.140	01	0.150	00	0.250	02	0.200	01	0.110	02	1.00
269	0.3	1.0	0.0	0.780-04	0.410-01	0.250-02	0.370	00	0.140	01	0.770-01	0.250	02	0.150	01	0.110	02	1.00
270	0.5	1.0	0.0	0.120-02	0.250-01	0.240-02	0.370	00	0.140	01	0.100	00	0.250	02	0.150	01	0.110	02	1.00
272	0.5	1.0	-0.1	0.790-03	0.250-01	-0.450-02	0.380	00	0.140	01	-0.150	00	0.250	02	0.210	01	0.110	02	1.00
302	-18.3	52.0	3.6	-0.270-02	0.520-02	0.810-03	0.370	00	0.140	01	0.100	00	0.950	04	0.730	03	0.460	04	1.00
352	9.0	24.7	-5.1	0.120-03	0.340-02	-0.210-02	0.450	00	0.130	01	-0.540	00	0.480	04	0.660	03	0.230	04	1.00
354	8.2	25.4	-3.7	0.360-04	0.380-02	-0.160-02	0.410	00	0.130	01	-0.400	00	0.500	04	0.620	03	0.230	04	1.00
355	9.1	25.8	-2.7	-0.190-04	0.380-02	-0.110-02	0.390	00	0.130	01	-0.290	00	0.500	04	0.500	03	0.240	04	1.00
356	7.9	25.6	-3.5	0.420-04	0.410-02	-0.140-02	0.410	00	0.130	01	-0.370	00	0.500	04	0.550	03	0.240	04	1.00
357	6.3	26.2	-3.3	0.290-03	0.410-02	-0.140-02	0.400	00	0.130	01	-0.320	00	0.500	04	0.530	03	0.240	04	1.00
358	7.8	25.6	-3.7	0.360-04	0.410-02	-0.170-02	0.410	00	0.130	01	-0.350	00	0.500	04	0.610	03	0.230	04	1.00
359	5.8	25.6	-5.6	-0.300-03	0.410-02	-0.250-02	0.440	00	0.130	01	-0.450	00	0.450	04	0.770	03	0.230	04	1.00
360	8.1	25.3	-4.3	0.620-04	0.390-02	-0.190-02	0.420	00	0.130	01	-0.450	00	0.490	04	0.700	03	0.230	04	1.00
361	7.2	25.4	-4.5	-0.110-03	0.390-02	-0.210-02	0.420	00	0.130	01	-0.440	00	0.450	04	0.740	03	0.230	04	1.00
362	8.2	25.1	-4.8	0.620-04	0.380-02	-0.210-02	0.440	00	0.130	01	-0.500	00	0.450	04	0.770	03	0.230	04	1.00
363	8.5	25.3	-3.9	0.930-04	0.380-02	-0.170-02	0.420	00	0.130	01	-0.420	00	0.490	04	0.660	03	0.230	04	1.00
364	8.0	25.3	-4.3	0.220-04	0.380-02	-0.190-02	0.420	00	0.130	01	-0.450	00	0.450	04	0.650	03	0.230	04	1.00
365	8.5	24.7	-5.6	0.130-03	0.370-02	-0.240-02	0.460	00	0.130	01	-0.570	00	0.480	04	0.500	03	0.230	04	1.00
367	7.6	25.6	-3.9	-0.140-04	0.400-02	-0.180-02	0.410	00	0.130	01	-0.400	00	0.500	04	0.630	03	0.230	04	1.00
368	5.8	26.5	-2.2	-0.340-03	0.430-02	-0.990-03	0.380	00	0.140	01	-0.230	00	0.930	04	0.440	03	0.240	04	1.00
369	4.7	26.7	-3.1	-0.550-03	0.430-02	-0.140-02	0.390	00	0.130	01	-0.280	00	0.900	04	0.450	03	0.240	04	1.00
370	6.4	25.8	-4.3	-0.110-03	0.440-02	-0.200-02	0.410	00	0.130	01	-0.400	00	0.500	04	0.630	03	0.230	04	1.00
371	3.8	26.4	-5.3	-0.630-03	0.440-02	-0.240-02	0.420	00	0.130	01	-0.430	00	0.450	04	0.660	03	0.230	04	1.00
372	3.2	25.6	-7.7	-0.640-03	0.440-02	-0.340-02	0.460	00	0.130	01	-0.570	00	0.480	04	0.500	03	0.230	04	1.00
373	6.9	25.3	-5.3	-0.120-03	0.400-02	-0.240-02	0.440	00	0.130	01	-0.500	00	0.450	04	0.380	03	0.230	04	1.00
374	6.0	22.7	-10.8	-0.220-03	0.330-02	-0.450-02	0.560	00	0.120	01	-0.390	00	0.440	04	0.150	04	0.220	04	1.00
375	7.4	23.1	-9.2	-0.200-04	0.330-02	-0.390-02	0.550	00	0.120	01	-0.740	00	0.450	04	0.140	04	0.220	04	1.00
396	11.8	23.4	5.6	0.660-03	0.320-02	-0.240-02	0.510	00	0.120	01	-0.650	00	0.460	04	0.120	04	0.220	04	1.00
460	21.7	40.9	-2.5	0.100-02	0.310-02	-0.560-03	0.390	00	0.140	01	-0.260	00	0.540	04	0.890	03	0.450	04	1.00
462	22.2	40.7	-3.2	0.110-02	0.340-02	-0.760-03	0.400	00	0.130	01	-0.320	00	0.930	04	0.100	04	0.450	04	1.00
464	22.3	40.7	-2.9	0.120-02	0.340-02	-0.700-03	0.390	00	0.130	01	-0.300	00	0.920	04	0.980	03	0.450	04	1.00
466	23.0	40.5	-3.1	0.120-02	0.340-02	-0.770-03	0.400	00	0.130	01	-0.340	00	0.930	04	0.100	04	0.450	04	1.00
468	23.8	40.2	-3.2	0.130-02	0.330-02	-0.800-03	0.410	00	0.130	01	-0.370	00	0.930	04	0.110	04	0.450	04	1.00
470	24.6	39.6	-4.1	0.140-02	0.320-02	-0.100-02	0.430	00	0.130	01	-0.480	00	0.910	04	0.140	04	0.440	04	1.00
472	25.6	38.9	-5.0	0.150-02	0.310-02	-0.120-02	0.470	00	0.130	01	-0.600	00	0.890	04	0.190	04	0.430	04	1.00
474	26.8	38.0	-5.6	0.160-02	0.300-02	-0.140-02	0.520	00	0.120	01	-0.720	00	0.850	04	0.240	04	0.420	04	1.00
476	28.3	37.0	-6.2	0.170-02	0.270-02	-0.140-02	0.580	00	0.120	01	-0.820	00	0.810	04	0.310	04	0.410	04	1.00
503	6.7	26.4	1.1	-0.160-03	0.440-02	0.510-03	0.370	00	0.140	01	0.110	00	0.510	04	0.350	03	0.240	04	1.00
504	-8.8	30.6	-1.6	-0.250-02	0.560-02	-0.700-03	0.370	00	0.140	01	-0.820-01	0.510	04	0.380	03	0.240	04	1.00
505	-4.8	26.5	3.7	-0.120-03	0.560-02	0.190-02	0.400	00	0.130	01	-0.320	00	0.500	04	0.530	03	0.240	04	1.00
506	-21.1	33.6	-5.1	-0.430-02	0.890-02	-0.240-02	0.380	00	0.140	01	-0.180	00	0.510	04	0.420	03	0.240	04	1.00
507	-7.6	26.8	9.8	-0.190-03	0.890-02	0.600-02	0.450	00	0.130	01	0.550	00	0.460	04	0.680	03	0.230	04	1.00
508	-18.5	24.5	-31.5	0.110-02	0.210-01	-0.190-01	0.550	00	0.110	01	-0.830	00	0.430	04	0.160	04	0.220	04	1.12
509	-9.8	32.7	14.7	0.100-02	0.210-01	0.440-02	0.460	00	0.130	01	0.570	00	0.480	04	0.510	03	0.230	04	1.18
510	-11.9	23.8	-25.4	0.520-02	0.290-01	-0.200-01	0.580	00	0.120	01	-0.820	00	0.430	04	0.160	04	0.220	04	1.07
511	-20.1	34.7	11.6	0.110-02	0.290-01	0.310-02	0.410	00	0.130	01	0.350	00	0.500	04	0.610	03	0.230	04	1.10
512	-10.7	26.4	-18.8	0.680-02	0.350-01	-0.180-01	0.520	00	0.120	01	-0.710	00	0.460	04	0.130	04	0.220	04	1.04
513	-29.1	36.6	7.4	0.120-02	0.350-01	0.150-02	0.380	00	0.140	01	-0.220	00	0.510	04	0.450	03	0.240	04	1.04
514	-6.9	28.8	-10.9	0.630-02	0.370-01	-0.900-02	0.440	00	0.130	01	-0.520	00	0.480	04	0.820	03	0.220	04	1.03
515	-31.0	36.9	5.6	0.120-02	0.370-01	0.960-03	0.380	00	0.140	01	0.160	00	0.510	04	0.420	03	0.240	04	1.02
516	-7.0	30.7	-5.4	0.590-02	0.360-01	0.660-03	0.390	00	0.130	01	-0.280	00	0.500	04	0.450	03	0.240	04	1.04
517	-30.1	36.6	3.1	0.130-02	0.360-01	-0.230-03	0.370	00	0.140	01	-0.920-01	0.510	04	0.350	03	0.240	04	1.01
518	-6.2	29.9	-4.0	0.600-02	0.360-01	-0.170-02	0.380	00	0.140	01	-0.210	00	0.510	04	0.450	03	0.240	04	1.01
519	-29.8	36.4	0.5	0.140-02	0.360-01	-0.160-02	0.370	00	0.140	01	-0.160-01	0.510	04	0.370	03	0.240	04	1.00
520	-5.0	29.5	-1.6	0.610-02	0.360-01	-0.220-02	0.370	00	0.140	01	-0.540-01	0.510	04	0.350	03	0.240	04	1.00
521	-28.9	36.0	-2.2	0.150-02	0.360-01	-0.300-02	0.370	00	0.140	01	-0.680-01	0.510	04	0.380	03	0.240	04	1.00

522	-3.4	24.3	1.3	0.82D-02	0.35D-01	-0.14D-02	0.37D	CO	0.14D	C1	-0.14D	CC	0.51D	C4	0.42D	C3	0.24D	C4	1.00
523	-27.0	35.3	-5.2	0.16D-02	0.35D-01	-0.42D-02	0.38D	CO	0.14D	C1	-0.14D	CC	0.51D	C4	0.42D	C3	0.24D	C4	1.00
524	-1.3	28.9	4.8	0.60D-02	0.33D-01	0.25D-03	0.39D	CO	0.13D	C1	0.30D	CC	0.50D	C4	0.52D	C3	0.24D	04	1.03
525	-23.8	34.2	-8.3	0.17D-02	0.33D-01	-0.53D-02	0.39D	CC	0.13D	C1	-0.28D	CC	0.50D	C4	0.45D	C3	0.24D	04	1.01
526	1.2	28.2	9.1	0.56D-02	0.30D-01	0.32D-02	0.46D	CO	0.13D	C1	0.56D	CO	0.48D	C4	0.85D	C3	0.23D	04	1.08
527	-18.8	32.8	-11.6	0.18D-02	0.30D-01	-0.61D-02	0.41D	00	0.13D	C1	-0.41D	CO	0.50D	C4	0.24D	C3	0.23D	04	1.04
528	3.8	26.1	14.7	0.50D-02	0.25D-01	0.77D-02	0.57D	CC	0.12D	C1	0.80D	CC	0.44D	04	0.15D	C4	0.22D	04	1.15
529	-11.8	31.0	-14.8	0.18D-02	0.25D-01	-0.68D-02	0.46D	CO	0.13D	C1	-0.57D	CC	0.48D	C4	0.51D	C3	0.23D	04	1.10
530	6.4	19.4	22.8	0.47D-02	0.17D-01	0.15D-01	0.73D	CO	0.10D	C1	0.56D	CC	0.37D	C4	0.24D	C4	0.21D	04	1.19
531	-2.8	29.3	-19.0	0.15D-02	0.17D-01	-0.77D-02	0.55D	CO	0.12D	C1	-0.76D	CC	0.45D	C4	0.14D	C4	0.22D	04	1.24
532	-10.8	21.1	-25.0	-0.85D-03	0.75D-02	0.13D-01	0.60D	CO	0.11D	C1	-0.84D	CC	0.43D	C4	0.17D	C4	0.22D	04	1.00
533	5.3	25.6	-6.0	0.79D-03	0.75D-02	-0.40D-02	0.44D	CO	0.13D	C1	-0.51D	CC	0.45D	C4	0.80D	C3	0.23D	C4	1.00
534	1.8	25.3	9.6	-0.10D-02	0.39D-02	0.40D-02	0.48D	00	0.13D	C1	0.63D	CC	0.47D	C4	0.10D	C4	0.23D	C4	1.00
535	13.3	23.5	-4.3	-0.12D-02	0.39D-02	-0.23D-02	0.49D	CO	0.12D	C1	-0.65D	CC	0.47D	C4	0.11D	C4	0.23D	04	1.00

3 INCREMENTOS PLASTICOS COMPLETADOS

ELEM	I	J	K	SIG-X	SIG-Y	SIG-XY	SIG-1	SIG-2	[illegible]	[illegible]	[illegible]
1	1	2	22	0.30	1.68	10.75	11.76	-9.76	46.85	0.00073242	-0.00004335	46.85
2	2	21	22	8.67	15.81	1.46	16.10	8.38	78.86	0.00075413	0.00030065	78.86
3	22	21	23	1.83	10.39	5.75	13.28	-1.06	63.32	0.00073143	-0.00018475	63.32
4	21	24	23	6.86	17.24	1.24	17.39	6.72	83.28	0.00087978	0.00015818	83.28
5	23	24	44	2.92	16.54	2.51	16.99	2.47	79.90	0.00069657	-0.00002851	79.90
6	24	43	44	5.07	17.63	1.17	17.73	4.96	84.71	0.00051554	0.00005544	84.71
7	44	43	45	3.05	17.27	1.40	17.40	2.91	84.45	0.00091726	-0.00000867	84.45
8	43	46	45	4.47	18.22	0.57	18.24	4.45	87.64	0.00054757	0.00006655	87.64
9	45	46	66	3.17	17.99	0.86	18.04	3.12	86.68	0.00094568	-0.00000326	86.68
10	46	65	66	3.51	18.30	0.64	18.33	3.48	87.54	0.00096199	0.00001355	87.54
11	66	65	67	3.22	18.25	0.74	18.29	3.18	87.18	0.00056255	-0.00000234	87.18
12	65	68	67	2.18	16.92	1.58	17.08	2.01	83.97	0.00050648	-0.00005460	83.97
13	67	68	88	3.01	17.06	1.09	17.15	2.93	85.60	0.00050318	-0.00000534	85.60
14	68	87	88	0.58	13.72	3.47	14.58	-0.28	76.05	0.00075445	-0.00015476	76.05
15	88	87	89	2.48	14.06	1.61	14.28	2.26	82.23	0.00075364	-0.00001402	82.23
16	87	90	89	-0.52	7.74	5.83	10.76	-3.53	62.65	0.00061804	-0.00029452	62.65
17	89	90	110	1.43	8.08	2.14	8.71	0.80	73.62	0.00046551	-0.00004022	73.62
18	90	109	111	4.71	14.87	12.09	22.91	-3.32	56.39	0.00127577	-0.00035577	56.39
19	109	112	111	1.95	22.10	8.31	25.09	-1.03	70.23	0.00137240	-0.00029656	70.23
20	109	112	111	1.95	22.10	8.31	25.09	-1.03	70.23	0.00137240	-0.00029656	70.23
21	111	112	140	3.44	22.36	-17.46	32.76	-6.55	-59.23	0.00184552	-0.00065158	-59.23
22	112	139	140	1.58	-3.13	-2.16	2.42	-3.97	-21.26	0.00016940	-0.00023886	-21.26
23	140	139	149	-0.62	-3.52	1.79	0.24	-4.38	25.53	0.00005472	-0.00023965	25.53
24	139	150	149	2.35	-0.67	-0.39	2.40	-0.72	-7.27	0.00013710	-0.00006182	-7.27
25	149	150	178	-0.20	-1.11	1.09	0.53	-1.84	33.63	0.00004651	-0.00010515	33.63
26	150	177	178	1.51	0.55	-0.18	1.54	0.52	-10.18	0.00007645	0.00001365	-10.18
27	178	177	187	0.05	0.30	0.70	0.88	-0.53	50.00	0.00005298	-0.00003731	50.00
28	177	188	187	0.72	1.15	0.08	1.16	0.71	79.20	0.00005628	0.00002721	79.20
29	187	189	208	0.19	1.05	0.55	1.32	-0.08	64.13	0.00007226	-0.00001700	64.13
30	188	207	208	0.50	1.29	0.35	1.42	0.37	68.88	0.00007381	0.00000632	68.88
31	208	207	209	0.22	1.24	0.47	1.42	0.03	68.65	0.00007679	-0.00001174	68.65
32	207	210	209	0.56	1.28	0.39	1.45	0.35	66.56	0.00007489	0.00000729	66.56
33	209	210	230	0.22	1.22	0.38	1.35	0.05	71.59	0.00007218	-0.00000800	71.59
34	210	229	230	0.56	1.25	0.30	1.36	0.45	69.28	0.00006954	-0.00001140	69.28
35	230	229	231	0.21	1.18	0.28	1.26	0.13	75.12	0.00006699	-0.00000473	75.12
36	229	232	231	0.51	1.25	0.15	1.28	0.48	78.90	0.00006481	0.00001376	78.90
37	231	232	252	0.21	1.20	0.16	1.22	0.15	81.21	0.00006446	-0.00000154	81.21
38	232	251	252	0.45	1.29	0.04	1.29	0.45	87.22	0.00006567	0.00001200	87.22
39	252	251	253	0.22	1.25	0.06	1.25	0.22	86.60	0.00006977	-0.00000023	86.60
40	251	254	253	0.43	1.35	-0.09	1.36	0.42	-84.18	0.00006875	0.00001001	-84.18
41	253	254	274	0.23	1.31	-0.08	1.32	0.23	-85.53	0.00006949	-0.00000035	-85.93
42	254	273	274	0.52	1.46	-0.39	1.60	0.38	-70.02	0.00006314	0.00000527	-70.02
43	274	273	275	0.25	1.41	-0.38	1.52	0.14	-73.47	0.00008120	-0.00000715	-73.47
44	273	276	275	0.90	1.85	-1.08	2.56	0.20	-56.82	0.00013707	-0.00001352	-56.82
45	275	276	296	0.31	1.75	-1.03	2.28	-0.23	-62.45	0.00012618	-0.00003433	-62.45
46	276	295	296	1.84	3.08	-2.83	5.36	-0.44	-51.18	0.00029515	-0.00007326	-51.18
47	296	295	297	0.50	2.84	-2.68	4.60	-1.25	-56.75	0.00026165	-0.00011212	-56.79
48	295	298	297	3.82	4.77	-6.67	10.95	-2.35	-47.04	0.00061566	-0.00023516	-47.04
49	297	298	318	0.75	4.23	-6.48	9.20	-4.22	-52.52	0.00054015	-0.00031756	-52.52
50	298	317	318	7.05	-5.22	-15.15	17.27	-15.43	-33.98	0.00106555	-0.00100354	-33.96
51	2	3	21	7.52	0.08	9.34	13.86	-6.26	34.14	0.00063591	-0.00036597	34.14
52	3	20	21	17.59	13.94	0.30	17.61	13.91	4.68	0.00064413	0.00045920	4.68
53	21	20	24	7.01	12.07	3.54	13.89	5.15	62.77	0.00055149	0.00011644	62.77
54	20	25	24	11.28	17.00	-0.23	17.01	11.27	-87.68	0.00063656	-0.00035124	-87.68
55	24	25	43	5.32	15.95	1.99	16.31	4.96	79.75	0.00065607	-0.00000838	79.75
56	25	42	43	7.66	17.03	0.56	17.06	7.63	86.60	0.00066800	0.00015605	86.60
57	43	42	46	4.51	16.47	0.68	16.51	4.47	86.77	0.00066826	0.00006617	86.77
58	42	47	46	6.78	18.33	-0.77	18.38	6.73	-86.21	0.00073068	0.00014831	-86.21
59	46	47	65	3.49	17.75	0.09	17.75	3.45	89.64	0.00072616	0.00001531	89.64
60	47	64	65	5.89	19.20	-1.26	19.32	5.77	-84.66	0.00077780	0.00010027	-84.66
61	65	64	68	2.24	18.56	-0.06	18.56	2.24	-89.81	0.00077195	-0.00004397	-89.81
62	64	69	68	4.82	19.08	-1.14	19.17	4.73	-85.45	0.00077537	0.00005735	-85.45
63	68	69	87	0.89	18.39	0.64	18.41	0.87	87.92	0.00077597	-0.00010109	87.92
64	69	86	87	3.61	17.39	0.76	17.43	3.56	86.85	0.00071400	0.00002076	86.85
65	87	86	90	0.57	16.85	2.16	17.13	0.29	82.58	0.00072598	-0.00011624	82.58

67	90	91	109	5.07	13.58	10.57	20.71	-2.07	55.53	0.00089585	-0.00024335	55.57
68	91	108	109	-1.93	14.50	8.82	18.34	-5.77	66.48	0.00062294	-0.00036252	66.48
69	105	108	112	0.14	14.87	5.30	16.58	-1.57	72.14	0.00071627	-0.00015102	72.14
70	108	113	112	-4.33	10.09	8.87	14.31	-8.55	64.55	0.00067224	-0.00043057	64.55
71	112	113	139	4.79	11.70	-6.10	15.26	1.23	-59.75	0.00063515	-0.00006227	-59.75
72	113	138	139	0.76	0.67	1.06	1.78	-0.35	43.81	0.00007813	-0.00002811	43.81
73	139	138	150	3.35	1.13	-2.36	4.85	-0.37	-32.40	0.00020887	-0.00005216	-32.40
74	138	151	150	2.07	0.16	-1.58	2.96	-0.73	-29.44	0.00013124	-0.00005304	-29.44
75	150	151	177	1.82	0.12	-1.26	2.49	-0.55	-28.05	0.00011010	-0.00004220	-28.05
76	151	176	177	0.30	1.35	-1.74	2.67	-0.94	-52.82	0.00012051	-0.00006012	-52.82
77	177	176	188	0.92	1.45	-0.27	1.56	0.80	-66.95	0.00006033	0.00002244	-66.95
78	176	189	188	0.51	1.75	-0.30	1.86	0.40	-74.22	0.00007614	0.00002954	-74.22
79	188	189	207	0.67	1.78	0.31	1.86	0.59	75.56	0.00007468	0.00001113	75.56
80	189	206	207	0.87	1.39	0.50	1.70	0.56	58.75	0.00006787	0.00001126	58.75
81	207	206	210	0.66	1.36	0.39	1.53	0.49	65.79	0.00006142	0.00000521	65.79
82	206	211	210	1.03	1.17	0.44	1.54	0.66	49.63	0.00006060	0.00001646	49.63
83	210	211	229	0.63	1.10	0.29	1.24	0.49	64.30	0.00004513	0.00001162	64.30
84	211	228	229	0.91	1.10	0.24	1.27	0.75	55.80	0.00004641	0.00002217	55.80
85	229	228	232	0.55	1.04	0.18	1.10	0.49	71.89	0.00004305	0.00001272	71.89
86	228	233	232	0.72	1.16	0.08	1.18	0.70	80.23	0.00004475	0.00002101	80.23
87	232	233	251	0.48	1.12	0.10	1.14	0.43	81.38	0.00004481	0.00001138	81.38
88	233	250	251	0.62	1.22	0.02	1.22	0.62	88.56	0.00004738	0.00001721	88.56
89	251	250	254	0.46	1.20	0.05	1.20	0.46	85.92	0.00004754	0.00001643	85.92
90	250	255	254	0.60	1.26	-0.05	1.26	0.60	-85.75	0.00004507	0.00001555	-85.75
91	254	255	273	0.56	1.25	-0.04	1.25	0.56	-86.98	0.00004895	0.00001427	-86.98
92	255	272	273	0.72	1.25	-0.21	1.32	0.64	-70.90	0.00005134	0.00001740	-70.90
93	273	272	276	0.96	1.29	-0.26	1.44	0.82	-60.99	0.00005498	0.00002461	-60.99
94	272	277	276	1.32	1.35	-0.66	1.99	0.68	-45.62	0.00003593	0.00001359	-45.62
95	276	277	295	1.91	1.45	-0.78	2.50	0.87	-36.85	0.00009561	0.00001817	-36.85
96	277	294	295	2.96	2.01	-2.04	4.58	0.38	-38.45	0.00015176	-0.00001803	-38.45
97	295	294	298	4.20	2.23	-2.04	5.48	0.99	-32.09	0.00022594	-0.00000693	-32.09
98	294	299	298	7.39	2.49	-6.01	11.43	-1.55	-33.85	0.00049730	-0.00015156	-33.85
99	298	299	317	10.73	3.08	-3.89	12.37	1.44	-22.74	0.00051471	-0.00003140	-22.74
100	299	316	317	16.84	1.13	-11.69	23.06	-5.10	-28.05	0.00101847	-0.00038563	-28.05
101	3	4	20	4.83	2.13	5.62	9.25	-2.30	38.26	0.00156557	-0.00004077	38.26
102	4	19	20	12.91	13.38	-0.33	13.55	12.74	-63.15	0.00145327	0.00012521	-63.15
103	20	19	25	5.94	11.06	1.31	11.38	5.62	76.47	0.00148461	0.00028608	76.47
104	19	26	25	9.24	17.11	-0.76	17.19	9.17	-64.54	0.00220761	0.00053781	-84.54
105	25	26	42	6.69	16.26	0.34	16.27	6.67	87.95	0.00219506	0.00015520	87.95
106	26	41	42	7.00	16.42	0.14	16.42	6.99	89.15	0.00220195	0.00023725	89.15
107	42	41	47	6.37	16.21	0.03	16.21	6.37	89.82	0.00220158	0.00015083	89.82
108	41	48	47	8.28	18.14	-1.01	18.24	8.18	-84.23	0.00242422	0.00032826	-84.23
109	47	48	64	6.53	17.56	-0.58	17.59	6.50	-86.98	0.00240544	0.00005573	-86.98
110	48	63	64	8.18	19.38	-1.49	19.57	7.95	-82.55	0.00264196	0.00022560	-82.55
111	64	63	69	6.69	18.88	-0.89	18.94	6.62	-85.85	0.00261405	0.00004843	-85.85
112	63	70	69	7.81	20.58	-1.53	20.76	7.63	-83.25	0.00284662	0.00011034	-83.25
113	69	70	86	6.91	20.28	-0.55	20.38	6.88	-87.66	0.00281351	0.00001815	-87.66
114	70	85	86	6.74	20.67	-0.60	20.70	6.71	-87.53	0.00288457	-0.00002545	-87.53
115	86	85	91	6.75	20.68	-0.52	20.70	6.74	87.85	0.00288323	-0.00002962	87.85
116	85	92	91	4.93	19.24	1.34	19.37	4.81	84.71	0.00277502	-0.00025726	84.71
117	91	92	108	5.23	19.34	1.89	19.59	4.56	82.50	0.00280182	-0.00024272	82.50
118	92	107	108	2.01	15.00	4.68	16.51	0.50	72.12	0.00255281	-0.00078087	72.12
119	108	107	113	3.50	15.49	1.99	15.81	3.18	80.84	0.00230517	-0.00032624	80.84
120	107	114	113	0.27	5.50	5.29	8.79	-3.02	58.14	0.00153013	-0.00052953	58.14
121	113	114	124	0.86	5.69	3.67	7.67	-1.11	61.70	0.00125595	-0.00057303	61.70
122	113	124	138	0.36	0.55	0.16	0.64	0.27	60.50	0.00006606	0.00006038	60.50
123	124	137	138	0.28	-3.19	2.73	1.77	-4.65	28.77	0.00052155	-0.00028526	28.77
124	138	137	143	3.38	-2.16	-1.49	3.75	-2.52	-14.14	0.00071826	-0.00055143	-14.14
125	138	143	151	-0.25	-2.41	-1.43	0.47	-3.12	-26.50	0.00023543	-0.00051171	-26.50
126	143	152	151	-0.37	0.44	-3.39	3.45	-3.38	-48.38	0.00071571	-0.00070835	-48.38
127	151	152	162	-1.13	0.18	-2.68	2.29	-3.23	-51.88	0.00052576	-0.00062445	-51.88
128	151	162	176	0.90	2.59	-1.15	3.18	0.32	-63.12	0.00047565	-0.00011554	-63.12
129	162	175	176	-0.83	2.83	-1.42	3.32	-1.32	-71.05	0.00058690	-0.00037904	-71.05
130	176	175	184	-0.53	2.93	-0.41	2.98	-0.57	-83.31	0.00049512	-0.00024476	-83.31
131	176	184	189	1.17	3.35	-0.23	3.37	1.15	-84.05	0.00046737	0.00000344	-84.09

133	185	190	206	1.03	2.59	0.17	2.61	1.01	83.67	0.00035442	0.00002246	83.67
134	190	205	206	0.62	1.36	0.59	1.68	0.30	61.11	0.00024704	-0.00004130	61.11
135	206	205	211	0.68	1.38	0.19	1.43	0.64	75.84	0.00018957	0.00002514	75.84
136	205	212	211	0.72	1.02	0.27	1.17	0.56	59.49	0.00015437	0.00002606	59.49
137	211	212	228	0.51	0.95	0.10	0.97	0.49	77.46	0.00012603	0.00002574	77.46
138	212	227	228	0.57	1.00	0.07	1.01	0.56	80.44	0.00012844	0.00003533	80.44
139	228	227	233	0.46	0.96	0.06	0.97	0.45	83.34	0.00012731	0.00002026	83.34
140	227	234	233	0.49	1.14	0.03	1.14	0.49	87.14	0.00015219	0.00001728	87.14
141	233	234	250	0.49	1.13	0.07	1.14	0.48	83.83	0.00015345	0.00001563	83.83
142	234	249	250	0.58	1.21	0.02	1.21	0.58	87.97	0.00015920	0.00002727	87.97
143	250	249	255	0.50	1.18	0.04	1.19	0.50	86.61	0.00015954	0.00001566	86.61
144	249	256	255	0.57	1.23	-0.01	1.23	0.57	-88.88	0.00016286	0.00002446	-88.88
145	255	256	272	0.54	1.22	-0.01	1.22	0.54	-89.56	0.00016282	0.00002102	-89.56
146	256	271	272	0.59	1.17	-0.09	1.19	0.57	-81.12	0.00015556	0.00002782	-81.12
147	272	271	277	0.70	1.21	-0.11	1.23	0.67	-78.15	0.00015741	0.00004114	-78.15
148	271	278	277	0.83	1.09	-0.36	1.34	0.58	-55.08	0.00017887	0.00002128	-55.08
149	277	278	294	1.10	1.18	-0.41	1.56	0.73	-47.75	0.00020539	0.00003246	-47.75
150	278	293	294	1.57	1.24	-1.16	2.58	0.23	-41.00	0.00039077	-0.00005764	-41.00
151	294	293	299	2.40	1.52	-1.16	3.20	0.72	-34.62	0.00046204	-0.00005355	-34.62
152	293	300	299	3.69	1.41	-3.35	6.09	-0.55	-35.62	0.00100313	-0.00047212	-35.62
153	299	300	316	5.16	1.90	-2.79	6.76	0.30	-29.85	0.00104031	-0.00030503	-29.85
154	300	315	316	10.01	5.64	-9.05	17.14	-1.48	-38.22	0.00279530	-0.00112424	-38.22
155	4	5	19	15.71	2.38	1.02	15.79	2.30	4.35	0.00132798	-0.00014363	4.35
156	5	18	19	20.69	13.60	-2.91	21.73	12.56	-19.71	0.00162291	-0.00062167	-19.71
157	19	18	26	9.01	10.60	0.35	10.75	8.93	78.93	0.00074343	-0.00054906	78.93
158	18	27	26	12.40	17.77	-2.42	18.70	11.47	-68.98	0.00138161	-0.00055275	-68.98
159	26	27	41	6.82	16.37	0.49	16.40	6.79	87.06	0.00120285	0.00023452	87.06
160	27	40	41	5.94	15.99	1.15	16.12	5.81	83.57	0.00127981	0.00015572	83.57
161	41	40	48	8.14	16.54	0.29	16.55	8.13	88.02	0.00126680	0.00034834	88.02
162	40	49	48	10.93	18.88	-1.38	18.34	10.67	-79.48	0.00136379	-0.00053120	-79.47
163	48	49	63	7.39	17.20	-0.95	17.29	7.30	-84.53	0.00134578	-0.00025983	-84.53
164	49	62	63	9.26	19.80	-2.25	20.26	8.80	-78.45	0.00157589	-0.00032565	-78.45
165	63	62	70	6.47	19.10	-1.17	19.21	6.36	-84.75	0.00153751	-0.00013636	-84.75
166	62	71	70	9.59	21.88	-3.16	22.64	8.03	-76.39	0.00178341	-0.00027638	-76.39
167	70	71	85	4.90	20.70	-1.07	20.78	4.83	-86.15	0.00170784	-0.00003188	-86.15
168	71	84	85	11.17	23.54	-3.80	24.62	10.10	-74.22	0.00192195	-0.00034412	-74.22
169	85	84	92	2.70	21.42	-0.55	21.44	2.69	-88.32	0.00181256	-0.00002320	-88.32
170	84	93	92	12.19	24.76	-4.39	26.14	10.80	-72.53	0.00204583	0.00037243	-72.53
171	92	93	107	0.09	21.74	1.74	21.87	-0.05	85.44	0.00191611	-0.00048166	85.44
172	93	106	107	10.57	17.19	5.15	20.00	7.78	61.37	0.00157609	0.00024059	61.37
173	107	106	114	0.90	14.77	0.66	14.80	0.86	87.27	0.00127296	-0.00024760	87.27
174	106	115	114	-5.63	4.69	5.64	7.18	-8.12	66.23	0.00060385	-0.00066536	66.23
175	114	115	123	-26.63	-0.55	3.76	-0.02	-27.16	81.96	0.00059051	-0.00023968	81.96
176	114	123	124	-0.66	4.79	0.14	4.79	-0.66	88.49	0.00043266	-0.00016223	88.49
177	123	125	124	-8.74	-0.15	4.16	1.53	-10.43	67.95	0.00036114	-0.00094348	67.95
178	124	125	129	-27.22	-4.77	7.92	-2.26	-29.73	72.40	0.00045115	-0.00294543	72.40
179	124	129	137	2.54	0.54	0.57	2.69	0.35	14.90	0.00022612	-0.00002443	14.90
180	129	136	137	-9.06	-11.47	11.06	0.86	-21.35	41.90	0.00054154	-0.00188543	41.90
181	137	136	142	-31.42	-17.06	20.69	-2.34	-46.13	54.57	0.00080254	-0.00397529	54.57
182	137	142	143	3.58	-15.00	-4.73	4.72	-16.14	-13.48	0.00076365	-0.00151127	-13.48
183	142	144	143	-11.17	-3.46	-17.14	10.25	-24.86	-51.34	0.00143732	-0.00235525	-51.34
184	143	144	148	-24.24	-6.73	-9.70	-2.42	-28.55	-66.04	0.00041202	-0.00243887	-66.04
185	143	148	152	-0.82	0.39	-3.79	3.62	-4.05	-49.53	0.00040452	-0.00043280	-49.53
186	148	153	152	-0.81	3.86	-7.12	9.01	-5.57	-54.08	0.00051201	-0.00071763	-54.06
187	152	153	161	-18.01	-0.44	-3.89	0.38	-16.83	-78.04	0.00044435	-0.00165213	-78.04
188	152	161	162	-1.09	4.19	-1.66	4.67	-1.57	-73.90	0.00044164	-0.00023845	-73.90
189	161	163	162	3.45	6.34	-3.31	8.51	1.28	-56.76	0.00071453	-0.00007374	-56.76
190	162	163	167	-15.63	1.57	-1.52	1.70	-15.76	-84.99	0.00049214	-0.00141247	-84.99
191	162	167	175	-1.89	5.13	-0.48	5.16	-1.93	-86.15	0.00045266	-0.00028070	-86.15
192	167	174	175	5.18	6.77	-1.41	7.59	4.35	-59.73	0.00056705	0.00021452	-59.73
193	175	174	179	-15.46	1.61	0.20	1.61	-15.46	85.31	0.00047175	-0.00138444	85.31
194	175	179	184	-1.40	5.17	0.92	5.30	-1.52	82.17	0.00045541	-0.00024852	82.17
195	179	183	184	5.16	6.28	0.44	6.44	5.01	70.92	0.00045238	0.00025650	70.92
196	184	183	185	-17.64	0.58	2.54	0.93	-17.98	82.22	0.00047353	-0.00158515	82.22
197	184	185	190	-0.44	4.43	1.38	4.80	-0.80	75.15	0.00043641	-0.00017487	75.15

198	185	191	190	3.83	2.64	3.42	4.71	-0.30	[illegible]	[illegible]
199	190	191	205	0.77	1.88	0.33	2.32	0.33	61.94	0.00015564 -0.00002202 61.94
200	191	204	205	1.30	0.91	0.96	2.08	0.13	35.29	0.00017872 -0.00003441 35.29
201	205	204	212	0.88	0.80	0.02	0.85	0.80	16.85	0.00005995 0.00005022 16.85
202	204	213	212	0.47	0.81	0.15	0.86	0.42	69.61	0.00006622 0.00001760 69.61
203	212	213	227	0.65	0.85	-0.15	0.93	0.57	-61.98	0.00006517 0.00002504 -61.98
204	213	226	227	0.14	0.98	-0.04	0.98	0.14	-87.33	0.00008278 -0.00000528 -87.33
205	227	226	234	0.47	1.06	-0.04	1.07	0.46	-85.85	0.00008293 0.00001728 -85.85
206	226	235	234	0.20	1.19	0.09	1.19	0.19	85.01	0.00005997 -0.00005554 85.01
207	234	235	249	0.64	1.30	0.19	1.35	0.59	75.05	0.00010465 0.00002153 75.05
208	235	248	249	0.97	1.23	0.02	1.23	0.97	85.78	0.00006653 0.00005762 85.78
209	249	248	256	0.56	1.13	0.01	1.13	0.56	89.15	0.00006639 0.00002450 89.15
210	248	257	256	0.60	1.24	-0.01	1.24	0.60	-88.67	0.00009482 0.00002516 -88.67
211	256	257	271	0.67	1.25	0.03	1.25	0.67	87.36	0.00005492 0.00003073 87.36
212	257	270	271	0.66	1.12	-0.00	1.12	0.66	-89.68	0.00006310 0.00003321 -89.68
213	271	270	278	1.15	1.24	-0.02	1.24	1.14	-77.09	0.00008366 0.00003236 -77.09
214	270	279	278	1.12	0.88	-0.09	1.14	0.85	-17.87	0.00006129 0.00004535 -17.87
215	278	279	293	2.37	1.19	-0.22	2.41	1.15	-10.12	0.00010480 0.00004014 -10.12
216	279	292	293	2.43	0.66	-0.52	2.57	0.51	-15.27	0.00021344 -0.00001135 -15.27
217	293	292	300	6.16	1.59	-0.48	6.21	1.54	-5.95	0.00005232 -0.00000123 -5.95
218	292	301	300	6.48	-0.12	-1.67	6.88	-0.52	-13.41	0.00061152 -0.00015504 -13.42
219	300	301	315	15.07	2.03	-1.09	15.16	1.94	-4.73	0.00128048 -0.00016144 -4.73
220	301	314	315	18.59	7.90	-5.23	20.72	5.76	-22.18	0.00180273 -0.00005054 -22.19
221	5	6	18	7.24	3.31	-3.13	8.98	1.58	-28.94	0.00217327 -0.00006425 -28.94
222	6	17	18	4.04	8.45	-3.02	9.98	2.51	-63.07	0.00367582 -0.00010755 -48.91
223	18	17	27	3.91	9.62	-1.56	10.02	3.51	-75.64	0.00276363 -0.00008079 -61.07
224	17	28	27	-2.08	11.34	-2.68	11.86	-2.60	-75.12	0.00760332 -0.00011082 -67.41
225	27	28	40	-2.14	10.81	-1.07	10.90	-2.23	-85.31	0.00695524 -0.00021978 -76.52
226	28	39	40	-10.80	13.84	-4.24	14.55	-11.51	-80.49	0.01378550 -0.00032034 -73.94
227	40	39	49	-8.68	13.55	-1.97	13.72	-8.77	-84.57	0.01313851 0.00012805 -79.49
228	39	50	49	-14.59	14.94	-3.52	15.36	-15.00	-83.29	0.01712941 -0.00027020 -78.17
229	49	50	62	-12.88	14.65	-1.76	14.76	-13.00	-88.39	0.01671906 0.00005906 -82.07
230	50	61	62	-18.04	15.85	-3.01	16.12	-18.31	-84.97	0.02019121 -0.00026641 -80.64
231	62	61	71	-16.13	15.29	-1.45	15.36	-16.20	-87.37	0.01988444 0.00012515 -83.74
232	61	72	71	-20.88	16.72	-2.70	16.91	-21.07	-85.51	0.02259377 -0.00021452 -82.54
233	71	72	84	-18.44	15.72	-1.23	15.77	-18.46	-87.94	0.02275294 0.00031055 -85.31
234	72	83	84	-22.63	17.29	-2.89	17.50	-22.84	-85.87	0.02511712 -0.00012850 -83.61
235	84	83	93	-19.61	14.97	-0.64	14.98	-19.62	-88.93	0.02488242 0.00044515 -86.76
236	83	94	93	-25.09	16.72	-3.21	16.96	-25.34	-85.63	0.02787473 -0.00014480 -84.69
237	93	94	106	-23.06	20.13	0.09	20.13	-23.06	89.89	0.02763568 0.00054655 89.73
238	94	105	106	-32.26	18.42	-4.02	18.74	-32.58	-85.45	0.03166435 -0.00005054 -84.17
239	115	116	123	7.04	21.65	-0.10	21.65	7.04	-89.60	0.03383517 -0.00231615 89.41
240	116	122	123	6.65	21.72	-0.61	21.75	6.63	-87.70	0.03819811 -0.00203463 -88.32
241	125	126	129	6.82	21.74	-0.08	21.74	6.82	-89.68	0.03910336 -0.00228592 88.79
242	126	128	129	6.36	21.84	-0.64	21.87	6.33	-87.65	0.03947017 -0.00234007 -89.01
243	136	135	142	6.51	21.95	0.18	21.95	6.51	89.34	0.04000000 -0.00251138 86.69
244	135	141	142	5.56	22.15	-0.32	22.16	5.56	-88.89	0.04023326 -0.00385042 89.08
245	144	145	148	6.18	21.83	-0.91	21.88	6.13	-86.67	0.04345661 -0.00217124 -86.18
246	145	147	148	6.17	21.85	-0.61	21.87	6.14	-87.17	0.04297745 -0.00227123 -88.18
247	153	154	161	6.67	21.70	-0.78	21.74	6.63	-87.04	0.04239745 -0.00165762 -86.82
248	154	160	161	6.69	21.69	-0.85	21.74	6.64	-86.76	0.04234141 -0.00165525 -87.06
249	163	164	167	6.76	21.68	-0.73	21.71	6.72	-87.20	0.04255557 -0.00150657 -87.15
250	164	166	167	6.83	21.64	-0.99	21.70	6.77	-86.20	0.04278471 -0.00138526 -86.36
251	174	173	179	6.55	21.73	-0.71	21.76	6.55	-87.34	0.04365397 -0.00147392 -87.44
252	173	180	179	6.65	21.67	-1.16	21.76	6.56	-85.63	0.04412064 -0.00133166 -85.60
253	183	182	185	6.12	21.86	-0.68	21.89	6.09	-87.53	0.04565578 -0.00162085 -87.81
254	182	186	185	6.01	21.81	-1.43	21.94	5.88	-84.66	0.04659476 -0.00165350 -84.60
255	191	192	204	-0.02	0.10	-0.00	0.10	-0.02	-87.72	0.04519786 0.00000512 -87.63
256	192	203	204	-0.03	0.10	-0.01	0.10	-0.03	-85.61	0.05308270 -0.00006746 -85.75
257	204	203	213	0.09	0.35	-0.01	0.35	0.09	-87.82	0.05364124 -0.00004416 -87.97
258	203	214	213	0.07	0.36	-0.01	0.36	0.07	-87.30	0.05626380 -0.00003087 -87.22
259	213	214	226	0.14	0.62	-0.01	0.62	0.14	-88.35	0.05617121 -0.00005122 -88.43
260	214	225	226	0.11	0.63	-0.01	0.63	0.11	-88.37	0.05755116 -0.00102503 -88.30
261	226	225	235	0.13	0.62	-0.01	0.62	0.13	-88.52	0.05751900 -0.00002825 -88.94
262	225	236	235	0.11	0.63	-0.00	0.63	0.11	-89.72	0.05802178 -0.00005118 -89.50
263	235	236	246	0.03	0.78	0.25	0.86	-0.04	73.28	0.06372118 -0.00045761 73.43

264	236	247	248	0.11	0.82	0.01	0.82	[illegible]	[illegible]	[illegible]	[illegible]
265	246	247	257	0.13	0.81	0.01	0.81	0.13	89.30	0.06366995	0.00002CEE	89.50
266	247	258	257	0.14	0.81	0.04	0.81	0.14	87.00	0.05275992	-0.00073659	87.63
267	257	258	270	0.25	1.06	0.03	1.06	0.24	88.17	0.05270228	-0.00000006	88.54
268	258	269	270	0.32	1.04	0.06	1.04	0.32	85.57	0.04157446	-0.00010217	86.31
269	270	269	279	0.32	1.04	0.03	1.04	0.32	87.81	0.04144102	0.00003545	88.24
270	269	280	279	0.47	1.00	0.03	1.00	0.46	87.13	0.02467088	0.00111112	87.12
271	279	280	292	0.43	1.00	-0.02	1.00	0.43	-87.84	0.02464652	0.00016277	-87.83
272	280	291	292	0.45	1.00	-0.05	1.01	0.45	-84.66	0.02477475	0.00057691	-84.65
273	292	291	301	0.45	1.00	-0.05	1.01	0.44	-84.75	0.02476984	0.00036248	-84.73
274	291	302	301	0.27	0.55	-0.04	0.56	0.26	-82.95	0.01357137	0.00063547	-82.93
275	301	302	314	0.29	0.57	-0.06	0.58	0.28	-77.43	0.01460361	0.00062183	-77.39
276	302	313	314	0.06	0.03	-0.03	0.08	0.01	-30.63	0.00224093	-0.00078792	-30.67
277	-6	7	17	24.04	20.56	-7.66	30.15	14.45	-38.60	0.00231605	0.00060301	-38.60
278	7	16	17	19.51	13.51	-3.55	21.16	11.86	-24.85	0.00158784	0.00057325	-24.89
279	17	16	28	17.32	12.96	-5.41	20.97	9.30	-34.04	0.00162740	0.00035412	-34.04
280	16	29	28	16.42	18.58	-3.43	21.09	13.90	-53.75	0.00153739	0.00075317	-53.75
281	28	29	39	13.14	17.76	-7.00	22.82	8.06	-54.12	0.00181565	0.00020712	-54.12
282	29	38	39	12.10	17.87	-6.22	21.85	8.13	-57.44	0.00172517	0.00023255	-57.44
283	39	38	50	9.59	17.25	-4.44	19.28	7.56	-65.37	0.00151797	0.00023865	-65.37
284	38	51	50	10.79	20.01	-5.40	22.50	8.30	-65.24	0.00178257	0.00023331	-65.23
285	50	51	61	7.98	19.30	-3.54	20.32	6.96	-74.01	0.00162129	0.00016441	-74.01
286	51	60	61	9.21	22.09	-4.52	23.52	7.78	-72.48	0.00188255	0.00018566	-72.48
287	61	60	72	7.44	21.65	-2.40	22.05	7.04	-80.68	0.00177033	0.00013363	-80.68
288	60	73	72	7.82	24.29	-2.91	24.79	7.32	-80.28	0.00200378	0.00005775	-80.28
289	72	73	83	8.21	24.39	-1.72	24.57	8.03	-84.02	0.00196501	0.00016466	-84.02
290	73	82	83	6.29	26.02	-1.63	26.15	6.16	-85.31	0.00214813	-0.00003323	-85.31
291	83	82	94	7.68	26.37	-0.80	26.40	7.64	-87.55	0.00217330	0.00005111	-87.55
292	82	95	94	4.25	30.50	-1.01	30.54	4.21	-87.79	0.00257328	-0.00025847	-87.79
293	94	95	105	1.07	29.70	-8.04	31.81	-1.03	-75.34	0.00279834	-0.00078415	-75.34
294	95	104	105	3.11	26.12	-5.35	27.31	1.53	-77.53	0.00234100	-0.00042741	-77.52
295	105	104	116	-8.62	23.19	-5.70	24.18	-9.61	-80.15	0.00231974	-0.00136634	-80.15
296	104	117	116	3.74	20.05	-8.46	23.65	0.14	-66.97	0.00206116	-0.00050383	-66.97
297	116	117	122	-29.12	11.84	1.96	11.93	-29.21	87.27	0.00167886	-0.00280965	87.27
298	117	127	122	6.77	22.79	-7.29	25.61	3.95	-68.86	0.00214880	-0.00021414	-68.86
299	122	127	126	-13.91	27.81	-0.60	27.82	-13.92	-89.17	0.00273184	-0.00182164	-89.17
300	126	127	128	-27.36	24.45	-0.83	24.46	-27.37	-89.08	0.00273235	-0.00252274	-89.08
301	127	134	128	10.84	37.38	-15.76	44.72	3.51	-65.05	0.00382606	-0.00064521	-65.05
302	128	134	135	-18.34	51.96	3.59	52.15	-18.52	87.05	0.00515576	-0.00266843	87.04
303	135	134	141	-31.60	51.39	1.28	51.41	-31.62	85.11	0.00517609	-0.00388123	89.11
304	134	146	141	-1.96	10.31	9.78	15.72	-7.37	61.04	0.00153242	-0.00098615	61.05
305	141	146	145	-12.35	13.49	2.50	13.73	-12.59	84.53	0.00147291	-0.00139754	84.53
306	145	146	147	-22.78	10.88	11.71	14.56	-26.45	72.58	0.00184775	-0.00262643	72.58
307	146	155	147	0.95	19.59	-0.23	19.59	0.95	-89.30	0.00108884	-0.00034442	-89.30
308	147	155	154	1.36	25.52	5.43	26.68	0.20	77.90	0.00232446	-0.00056453	77.89
309	154	155	160	-12.59	22.03	2.46	22.23	-12.79	85.64	0.00221545	-0.00160144	85.64
310	155	165	160	0.32	26.48	-2.70	26.75	0.04	-84.17	0.00233405	-0.00058023	-84.17
311	160	165	164	9.92	29.69	-0.48	29.70	9.91	-88.61	0.00237607	0.00021685	-88.61
312	164	165	166	-7.55	25.32	-1.20	25.37	-7.59	-87.92	0.00237553	-0.00121587	-87.92
313	165	172	166	-0.30	27.90	-4.51	28.60	-1.00	-81.14	0.00251790	-0.00071147	-81.14
314	166	172	173	14.33	29.79	-4.00	30.77	13.36	-76.31	0.00235381	0.00045427	-76.31
315	173	172	180	-6.02	24.70	-4.68	25.40	-6.72	-81.52	0.00236359	-0.00114075	-81.52
316	172	181	180	-0.62	26.69	-7.42	28.57	-2.50	-75.75	0.00254835	-0.00084154	-75.75
317	180	181	182	15.13	26.83	-8.70	31.46	10.50	-61.54	0.00251705	0.00022535	-61.94
318	182	181	186	-9.34	20.71	-11.07	24.35	-12.98	-71.81	0.00240785	-0.00166363	-71.81
319	181	193	186	3.28	23.30	-9.31	26.96	-0.38	-68.54	0.00236128	-0.00066158	-68.54
320	186	193	192	11.97	15.31	-17.76	31.48	-4.19	-47.69	0.00283500	-0.00105285	-47.69
321	192	193	203	-1.30	12.00	-6.66	14.76	-4.07	-67.47	0.00137700	-0.00067716	-67.47
322	193	202	203	1.76	7.96	-6.37	11.95	-2.23	-57.98	0.00105150	-0.00045516	-57.98
323	203	202	214	-7.72	5.59	-0.54	5.61	-7.75	-87.68	0.00065858	-0.00075853	-87.68
324	202	215	214	1.39	6.46	-3.53	8.27	-0.42	-62.82	0.00073114	-0.00021755	-62.82
325	214	215	225	-10.32	3.53	0.93	3.59	-10.38	86.17	0.00054001	-0.00058414	86.17
326	215	224	225	-0.46	5.82	-2.71	6.83	-1.47	-69.55	0.00062645	-0.00027718	-69.55
327	225	224	236	-10.24	3.38	1.86	3.63	-10.49	82.35	0.00054561	-0.00055466	82.35
328	224	237	236	-2.81	5.32	-2.33	5.94	-3.43	-75.11	0.00059330	-0.00042884	-75.11
329	236	237	247	-11.13	3.24	2.33	3.61	-11.50	81.03	0.00056585	-0.00106206	81.03

330	231	246	247	-3.53	4.04	-1.42	4.49	-3.42	74.23	0.00052311	-0.00033810	74.22
331	247	246	258	-6.57	3.28	3.02	4.14	-3.42	74.23	0.00052311	-0.00033810	74.22
332	246	259	258	-1.89	2.68	-1.52	3.13	-2.35	-73.21	0.00032474	-0.00027364	-73.21
333	258	259	269	1.70	3.57	3.10	5.87	-0.60	53.42	0.00052591	-0.00018656	53.42
334	259	268	269	4.15	1.43	-1.41	4.75	0.83	-23.01	0.00035697	-0.00013166	-23.01
335	269	268	280	14.41	3.99	4.66	16.19	2.21	20.85	0.00136441	-0.00016001	20.85
336	268	281	280	14.73	20.97	9.24	27.60	8.10	54.32	0.00223250	0.00010438	54.32
337	280	281	291	14.23	20.85	-8.34	26.51	8.57	-55.81	0.00212852	0.00016524	-55.81
338	281	290	291	8.34	-0.34	-5.52	11.02	-3.02	-25.90	0.00102809	-0.00050423	-25.90
339	291	290	302	9.52	-0.05	4.28	11.15	-1.68	20.90	0.00100566	-0.00036557	20.91
340	290	303	302	14.00	8.52	-0.60	14.06	8.45	-6.18	0.00104292	0.00043053	-6.18
341	302	303	313	19.10	9.79	2.43	19.69	9.20	13.77	0.00151791	0.00037312	13.77
342	303	312	313	21.02	26.47	5.02	29.46	18.03	59.23	0.00217199	0.00053083	59.23
343	7	8	16	14.10	15.26	-8.18	22.88	6.48	-47.03	0.00323748	-0.00017934	-47.03
344	8	15	16	9.30	13.50	-4.99	16.82	5.55	-56.41	0.00231625	-0.00005518	-56.41
345	16	15	29	11.30	14.17	-6.41	19.30	6.17	-51.31	0.00265397	-0.00004110	-51.31
346	15	30	29	10.49	18.09	-5.61	21.07	7.52	-62.05	0.00285985	-0.00007783	-62.05
347	29	30	38	10.27	18.02	-6.73	21.91	6.38	-59.55	0.00309140	-0.00014459	-59.95
348	30	37	38	9.62	19.26	-6.61	22.62	6.26	-63.04	0.00320882	-0.00020036	-63.04
349	38	37	51	9.66	19.27	-5.61	21.86	7.07	-65.29	0.00304646	-0.00003297	-65.29
350	37	52	51	9.09	21.80	-6.10	24.26	6.63	-68.08	0.00344519	-0.00022728	-68.08
351	51	52	60	9.35	21.89	-4.45	23.31	7.93	-72.31	0.00322957	0.00002546	-72.31
352	52	59	60	9.00	24.70	-5.08	26.20	7.50	-73.54	0.00371012	-0.00015091	-73.54
353	60	59	73	9.25	24.82	-3.22	25.46	8.61	-78.76	0.00353023	0.00001877	-78.76
354	59	74	73	8.21	25.45	-3.73	26.22	7.44	-78.30	0.00397023	-0.00013300	-78.29
355	73	74	82	8.10	25.76	-2.66	26.15	7.71	-81.63	0.00380554	-0.00010332	-81.62
356	74	81	82	7.89	25.62	-3.48	26.28	7.23	-79.27	0.00421133	-0.00010772	-79.27
357	82	81	95	6.27	26.15	-3.30	26.69	5.73	-80.82	0.00417629	-0.00041055	-80.82
358	81	96	95	7.78	25.58	-3.73	26.33	7.02	-78.62	0.00429524	-0.00013556	-78.62
359	95	96	104	5.79	25.59	-5.61	27.07	4.31	-75.24	0.00441152	-0.00062556	-75.23
360	96	103	104	8.14	25.28	-4.33	26.31	7.11	-76.60	0.00408350	-0.00016610	-76.60
361	104	103	117	7.20	25.39	-4.90	26.62	5.96	-75.86	0.00412430	-0.00038050	-75.85
362	103	118	117	8.17	25.09	-4.83	26.37	6.89	-75.12	0.00404743	-0.00021528	-75.12
363	117	118	127	8.51	25.30	-3.90	26.16	7.66	-77.55	0.00395432	-0.00005491	-77.55
364	118	133	127	7.98	25.33	-4.32	26.35	6.96	-76.76	0.00406422	-0.00020158	-76.75
365	127	133	134	8.50	24.67	-5.56	26.40	6.78	-72.75	0.00403117	-0.00024557	-72.74
366	134	133	146	5.92	25.36	-1.46	25.47	5.81	-85.73	0.00367750	-0.00041050	-85.73
367	133	156	146	7.64	25.57	-3.93	26.39	6.81	-78.18	0.00418050	-0.00015652	-78.16
368	146	156	155	5.81	26.50	-2.20	26.73	5.58	-84.00	0.00434273	-0.00035600	-83.99
369	155	156	165	4.68	26.65	-3.14	27.09	4.24	-82.02	0.00438804	-0.00064330	-82.01
370	156	171	165	6.45	25.84	-4.26	26.73	5.55	-78.14	0.00465381	-0.00031659	-78.13
371	165	171	172	3.78	24.36	-5.29	27.53	2.60	-77.46	0.00465116	-0.00065673	-77.45
372	172	171	181	3.21	25.63	-7.67	28.00	0.84	-72.81	0.00452145	-0.00116856	-72.81
373	171	194	181	6.88	25.33	-5.34	26.76	5.44	-74.96	0.00429494	-0.00064350	-74.95
374	181	194	193	6.05	22.75	-10.75	28.01	0.78	-63.52	0.00437941	-0.00132486	-63.92
375	193	194	202	7.41	23.10	-9.24	27.37	3.14	-65.17	0.00417587	-0.00051844	-65.17
376	194	201	202	5.35	15.85	-5.48	18.20	3.01	-66.87	0.00268632	-0.00047708	-66.87
377	202	201	215	5.13	15.78	-6.02	18.49	2.42	-65.75	0.00276294	-0.00058424	-65.75
378	201	216	215	4.05	12.35	-4.31	14.18	2.22	-66.57	0.00210015	-0.00035143	-66.97
379	215	216	224	2.92	11.98	-3.66	13.27	1.63	-70.53	0.00198827	-0.00043643	-70.53
380	216	223	224	3.18	10.77	-3.10	11.87	2.07	-70.40	0.00174664	-0.00025405	-70.40
381	224	223	237	1.04	10.06	-1.44	10.28	0.82	-81.16	0.00156365	-0.00040752	-81.16
382	223	238	237	2.47	9.58	-1.68	9.95	2.10	-77.38	0.00144555	-0.00015054	-77.38
383	237	238	246	0.42	8.89	0.56	8.93	0.38	86.26	0.00137533	-0.00040523	86.26
384	238	245	246	1.79	7.84	0.48	7.88	1.75	85.50	0.00113545	-0.00013714	85.50
385	246	245	259	1.11	7.61	2.59	8.52	0.20	70.72	0.00132057	-0.00041265	70.72
386	245	260	259	2.78	5.75	1.71	6.52	2.00	65.54	0.00091521	-0.00022740	65.54
387	259	260	268	4.20	6.22	3.72	9.07	1.35	52.61	0.00134648	-0.00026145	52.61
388	260	267	268	5.51	5.88	2.40	8.10	3.29	47.16	0.00105467	0.00005268	47.16
389	268	267	281	7.48	6.53	4.58	11.61	2.40	42.05	0.00166545	-0.00023605	42.05
390	267	282	281	11.48	19.51	3.27	20.67	10.32	70.42	0.00265192	0.00053600	70.42
391	281	282	290	11.18	19.40	-3.39	20.62	9.96	-70.27	0.00270286	-0.00048268	-70.27
392	282	289	290	5.98	1.89	-2.14	6.90	0.97	-23.12	0.00102694	-0.00022718	-23.12
393	290	289	303	7.42	2.36	0.67	7.51	2.28	7.43	0.00105405	-0.00003504	7.43
394	289	304	303	8.44	9.73	1.40	10.62	7.54	57.31	0.00126714	0.00062553	57.31
395	303	304	312	11.64	10.79	3.11	14.36	8.08	41.10	0.00182225	-0.00051498	41.10

396	304	311	312	11.77	25.41	-9.64	25.64	[illegible]	[illegible]	[illegible]	[illegible]
397	8	9	15	19.34	9.61	-4.59	21.17	7.79	-21.66	0.00084114	0.00017221	-21.66
398	9	14	15	13.29	11.68	-1.39	14.09	10.88	-29.97	0.00051122	0.00035686	-29.97
399	15	14	30	18.64	12.63	-9.66	25.75	5.52	-36.35	0.00105293	0.00024155	-36.35
400	14	31	30	10.66	17.79	-5.85	21.07	7.38	-60.67	0.00084021	0.00015542	-60.67
401	30	31	37	15.04	18.56	-10.39	27.34	6.27	-49.80	0.00111481	0.00026127	-49.80
402	31	36	37	9.40	22.13	-9.66	27.34	4.20	-61.68	0.00113048	-0.00002670	-61.68
403	37	36	52	10.63	22.35	-7.82	26.26	6.72	-63.43	0.00106554	0.00026887	-63.43
404	36	53	52	10.01	26.36	-9.72	30.89	5.48	-65.02	0.00127162	0.00026130	-65.02
405	52	53	59	7.46	25.91	-5.15	27.25	6.12	-75.42	0.00111204	0.00025580	-75.42
406	53	58	59	9.97	30.38	-7.98	33.12	7.22	-70.99	0.00135356	0.00002851	-70.99
407	59	58	74	6.09	29.69	-1.96	29.85	5.92	-85.28	0.00122427	0.00022765	-85.28
408	58	75	74	9.38	31.50	-3.61	32.07	8.81	-80.97	0.00129702	0.00013378	-80.97
409	74	75	81	6.46	30.98	-2.01	31.15	6.30	-85.35	0.00127652	0.00022395	-85.35
410	75	80	81	13.27	34.29	-5.12	35.48	12.08	-77.01	0.00141707	0.00024751	-77.01
411	81	80	96	6.68	33.13	-2.32	33.33	6.48	-85.03	0.00136608	0.00002544	-85.03
412	80	97	96	13.47	35.60	-4.74	36.57	12.50	-78.40	0.00146044	0.00025651	-78.40
413	96	97	103	7.56	34.55	-4.64	35.33	6.75	-80.52	0.00145049	0.00002351	-80.52
414	97	102	103	12.48	35.67	-5.57	36.94	11.21	-77.17	0.00148599	0.00015530	-77.17
415	103	102	118	7.60	34.81	-5.99	36.08	6.34	-78.11	0.00148564	-0.00000110	-78.11
416	102	119	118	12.70	36.03	-7.30	38.12	10.60	-73.98	0.00154077	0.00016474	-73.98
417	118	119	133	6.70	34.97	-5.12	35.87	5.80	-80.04	0.00148098	-0.00002254	-80.04
418	119	132	133	13.92	36.00	-6.41	37.73	12.19	-74.92	0.00151209	0.00023925	-74.92
419	133	132	156	5.74	34.56	-4.27	35.18	5.14	-81.74	0.00145674	-0.00004543	-81.74
420	132	157	156	14.72	36.52	-6.43	38.28	12.96	-74.74	0.00152551	0.00026307	-74.74
421	156	157	171	3.60	34.56	-5.96	35.67	2.50	-79.48	0.00149118	-0.00016138	-79.48
422	157	170	171	15.45	35.49	-7.45	37.95	12.55	-71.69	0.00151584	0.00026131	-71.69
423	171	170	194	3.11	33.31	-8.64	35.61	0.81	-75.10	0.00150722	-0.00023252	-75.10
424	170	195	194	16.85	32.43	-8.79	36.38	12.50	-65.77	0.00144561	0.00027522	-65.77
425	194	195	201	5.63	30.45	-10.17	34.08	2.00	-70.34	0.00143347	-0.00017068	-70.34
426	195	200	201	18.84	28.27	-9.22	33.91	13.20	-58.54	0.00134211	0.00030670	-58.54
427	201	200	216	4.30	25.70	-8.08	28.41	1.59	-71.47	0.00119584	-0.00014550	-71.47
428	200	217	216	20.70	25.22	-8.71	31.96	13.96	-52.27	0.00125376	0.00035345	-52.27
429	216	217	223	2.36	21.98	-5.86	23.60	0.75	-74.58	0.00095732	-0.00014520	-74.58
430	217	222	223	22.22	23.21	-8.09	30.82	14.61	-46.75	0.00120024	0.00038561	-46.75
431	223	222	238	0.78	19.42	-1.63	19.57	0.63	-85.05	0.00082679	-0.00011960	-85.05
432	222	239	238	22.20	20.77	-7.00	28.52	14.45	-42.08	0.00110381	0.00040007	-42.08
433	238	239	245	0.07	16.84	9.28	17.45	-0.68	79.40	0.00074686	-0.00015958	79.40
434	239	244	245	19.82	16.00	-0.64	19.92	15.85	-9.30	0.00072747	0.00026009	-9.30
435	245	244	260	5.54	13.48	7.97	18.41	0.60	58.24	0.00077195	-0.00011241	58.24
436	244	261	260	20.07	9.91	2.00	20.45	9.54	10.15	0.00079151	0.00025188	10.15
437	260	261	267	14.65	8.96	8.78	21.04	2.57	36.02	0.00087492	-0.00004845	36.02
438	261	266	267	19.71	7.85	4.74	21.38	6.15	19.32	0.00086210	0.00016265	19.32
439	267	266	282	19.69	7.85	6.59	22.63	4.91	24.03	0.00092497	0.00003886	24.03
440	266	283	282	16.63	15.99	8.57	24.88	7.74	43.92	0.00095545	0.00014222	43.92
441	282	283	289	22.69	17.06	-9.09	29.39	10.36	-36.38	0.00117134	0.00021956	-36.38
442	283	288	289	17.61	5.98	-4.17	18.95	4.63	-17.83	0.00077083	-0.00005474	-17.83
443	289	288	304	20.26	6.44	1.95	20.53	6.17	7.90	0.00062620	0.00010825	7.90
444	288	305	304	20.71	11.65	1.44	20.93	11.42	8.80	0.00060376	0.00032660	8.80
445	304	305	311	17.57	11.09	2.62	18.50	10.13	19.47	0.00070978	0.00025344	19.47
446	305	310	311	17.01	21.10	2.93	22.63	15.49	62.45	0.00084546	0.00046851	62.45
447	9	10	14	6.82	5.43	-3.80	9.99	2.26	-39.79	0.00082254	-0.00022064	-39.79
448	10	13	14	7.17	9.18	-4.74	13.02	3.33	-51.00	0.00106349	0.00000666	-51.00
449	14	13	31	5.88	8.86	-8.16	15.66	-0.92	-50.18	0.00138693	-0.00042236	-50.18
450	13	32	31	-1.43	17.09	-7.02	19.45	-3.75	-71.43	0.00178010	-0.00075475	-71.43
451	31	32	36	7.51	19.33	-6.63	22.30	4.54	-65.85	0.00184737	-0.00050077	-65.85
452	32	35	36	3.05	24.18	-7.80	26.74	0.48	-71.78	0.00232338	-0.00054157	-71.78
453	36	35	53	9.03	25.67	-9.04	27.08	7.62	-74.40	0.00219682	0.00027436	-74.40
454	35	54	53	5.84	30.78	-7.91	33.08	3.55	-73.81	0.00280928	-0.00041155	-73.81
455	53	54	58	10.21	31.87	-2.91	32.26	9.83	-82.47	0.00260095	0.00015366	-82.47
456	54	57	58	0.25	38.31	-6.67	39.72	6.83	-78.03	0.00331770	-0.00027031	-78.03
457	58	57	75	-11.65	39.16	0.38	39.16	11.65	89.21	0.00316388	0.00016186	89.21
458	57	76	75	6.59	34.87	3.35	35.26	6.19	83.33	0.00254235	-0.00022886	83.33
459	75	76	80	12.61	36.38	1.25	36.44	12.54	87.00	0.00250672	0.00025542	87.00
460	76	79	80	21.73	40.94	-2.54	41.27	21.40	-82.61	0.00315523	0.00057256	-82.61
461	80	79	57	13.27	39.06	0.76	39.08	13.24	88.32	0.00312149	0.00030315	88.32

462	79	98	97	22.20	40.67	-5.16	41.19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
463	97	98	102	13.46	41.82	-0.92	41.89	13.43	-88.15	0.00335688	0.00025545	-88.15
464	98	101	102	22.28	40.71	-2.86	41.15	21.85	-81.37	0.00247368	0.00110614	-81.36
465	102	101	119	13.75	42.63	-2.06	42.77	13.60	-85.55	0.00343615	0.00025362	-85.95
466	101	120	119	22.95	40.45	-3.11	40.99	22.42	-80.22	0.00346158	0.00114310	-80.21
467	119	120	132	14.31	42.48	-2.73	42.74	14.04	-84.53	0.00342367	0.00025318	-84.52
468	120	131	132	23.77	40.18	-3.23	40.79	23.15	-79.25	0.00335550	0.00122293	-79.24
469	132	131	157	14.44	41.65	-9.68	42.14	13.95	-82.42	0.00337322	0.00025807	-82.42
470	131	158	157	24.55	39.63	-4.13	40.69	23.50	-75.65	0.00337061	0.00125283	-75.64
471	157	158	170	14.67	40.80	-4.90	41.69	13.78	-79.71	0.00333745	0.00025338	-79.71
472	158	169	170	25.54	38.91	-5.01	40.50	23.85	-71.55	0.00333436	0.00128475	-71.54
473	170	169	195	15.34	39.69	-6.18	41.17	13.86	-76.54	0.00325034	0.00031148	-76.54
474	169	196	195	26.80	38.00	-5.78	40.44	24.35	-67.05	0.00326401	0.00131431	-67.04
475	195	196	200	16.26	38.07	-7.14	40.20	14.13	-73.35	0.00315986	0.00035624	-73.38
476	196	199	200	28.25	37.02	-6.23	40.26	25.02	-62.57	0.00311695	0.00134626	-62.56
477	200	199	217	16.82	35.63	-7.38	38.18	14.27	-70.93	0.00302102	0.00041221	-70.93
478	199	218	217	29.47	35.79	-6.40	39.76	25.49	-58.15	0.00291380	0.00135724	-58.15
479	217	218	222	16.99	32.67	-7.20	35.47	14.15	-68.71	0.00278649	0.00046355	-68.71
480	218	221	222	28.72	32.94	-6.41	37.58	24.08	-54.12	0.00275424	0.00128176	-54.12
481	222	221	239	16.50	29.89	-5.47	31.84	14.55	-70.37	0.00246135	0.00057471	-70.37
482	221	240	239	25.03	33.24	-8.13	38.24	20.02	-58.40	0.00250073	0.00051255	-58.40
483	239	240	244	16.02	30.99	-1.48	31.13	15.88	-84.42	0.00237063	0.00070645	-84.42
484	240	243	244	14.84	23.14	3.37	24.33	13.65	70.44	0.00182605	0.00065955	70.43
485	244	243	261	14.70	23.10	3.24	24.20	13.59	71.20	0.00181550	0.00065831	71.20
486	243	262	261	17.68	14.38	4.96	21.25	10.80	35.78	0.00161924	0.00047900	35.78
487	261	262	266	12.18	13.00	4.47	17.08	8.09	47.63	0.00131413	0.00033370	47.63
488	262	265	266	13.55	11.16	3.05	16.38	8.32	36.38	0.00124613	0.00036501	36.38
489	266	265	283	9.25	10.08	3.30	13.00	6.33	48.60	0.00095806	0.00026524	48.60
490	265	284	283	9.13	12.98	3.11	14.71	7.40	60.85	0.00112259	0.00032440	60.85
491	283	284	288	11.45	13.56	-3.37	16.03	8.58	-53.68	0.00120327	0.00043366	-53.67
492	284	287	288	9.09	9.16	-1.61	10.74	7.51	-45.56	0.00077340	0.00042116	-45.56
493	288	287	305	11.52	9.76	-0.10	11.53	9.76	-3.11	0.00079322	0.00066013	-3.11
494	287	306	305	11.13	12.30	0.06	12.30	11.13	87.24	0.00083063	0.00073306	87.24
495	305	306	310	9.44	11.87	0.31	11.91	9.40	82.91	0.00083451	0.00056072	82.91
496	306	309	310	10.81	19.49	-0.92	19.59	10.71	-84.02	0.00147570	0.00055726	-84.02
497	10	11	13	-1.00	-11.18	-12.65	7.54	-19.72	-34.04	0.00220553	-0.00341456	-34.04
498	11	12	13	-25.15	7.47	-11.26	10.97	-28.70	-72.70	0.00320505	-0.00955532	-72.70
499	13	12	32	2.37	16.65	-4.79	18.11	6.91	-73.06	0.00278252	-0.00066171	-73.06
500	12	33	32	-9.43	17.78	-2.13	17.94	-9.60	-85.56	0.00336370	-0.00243438	-85.56
501	32	33	35	5.96	22.91	-1.59	23.06	5.82	-84.65	0.00330004	-0.00025238	-84.69
502	33	34	35	-6.86	25.60	-2.08	25.73	-7.00	-86.36	0.00438487	-0.00243342	-86.36
503	35	34	54	6.73	26.37	1.11	26.44	6.67	86.18	0.00432168	-0.00037596	86.78
504	34	55	54	-8.85	30.59	-1.61	30.65	-8.51	-87.66	0.00565080	-0.00281155	-87.66
505	54	55	57	4.79	26.50	3.66	27.10	4.19	80.66	0.00539651	-0.00023582	80.66
506	55	56	57	-21.14	33.63	-5.05	34.09	-21.61	-84.77	0.00560223	-0.00444103	-84.77
507	57	56	76	-2.61	26.79	9.75	29.73	-5.55	73.22	0.00680321	-0.00165508	73.18
508	56	77	76	-18.51	24.47	-31.47	41.09	-35.13	-62.17	0.02468449	-0.00243365	-60.35
509	76	77	79	-9.77	32.73	14.73	37.33	-14.37	72.64	0.02120508	0.00076525	83.78
510	77	78	79	-11.89	23.78	-25.42	36.99	-25.11	-62.53	0.03245195	0.00143744	-69.66
511	79	78	98	-20.08	34.65	11.55	36.99	-22.42	78.56	0.02879543	0.00104752	86.75
512	78	99	98	-10.65	26.42	-18.79	34.28	-18.51	-67.31	0.03783661	0.00410550	-73.71
513	98	99	101	-29.07	36.60	7.37	37.42	-29.85	83.67	0.03515527	0.00114297	88.74
514	99	100	101	-6.87	28.83	-10.92	31.90	-9.54	-74.27	0.03743440	0.00565015	-81.78
515	101	100	120	-30.96	36.94	5.58	37.39	-31.42	85.33	0.03679235	0.00122310	89.23
516	100	121	120	-6.99	30.75	-5.40	31.50	-7.74	-82.02	0.03637197	0.00587113	89.38
517	120	121	131	-30.10	36.61	3.07	36.76	-30.25	87.37	0.03636878	0.00125825	-89.81
518	121	130	131	-6.22	29.91	-3.95	30.34	-6.65	-88.83	0.03637513	0.00553704	-88.36
519	131	130	158	-29.78	36.43	0.53	36.43	-29.78	89.54	0.03637232	0.00136503	-88.70
520	130	159	158	-5.02	29.55	-1.63	29.62	-5.09	-87.31	0.03606690	0.00610505	-87.90
521	158	159	169	-28.92	36.03	-2.22	36.10	-29.00	-88.04	0.03608560	0.00142727	-87.56
522	159	168	169	-3.37	29.28	1.27	29.33	-3.42	87.77	0.03501845	0.00617652	-88.57
523	169	168	196	-27.02	35.29	-5.18	35.72	-27.45	-85.28	0.03513422	0.00147718	-86.39
524	168	197	196	-1.28	28.92	4.76	29.65	-2.01	81.24	0.03301487	0.00603878	89.74
525	196	197	199	-23.75	34.19	-8.33	35.36	-24.53	-81.98	0.03323177	0.00145522	-85.19
526	197	198	199	1.16	28.15	9.10	30.94	-1.62	73.00	0.02985596	0.00550174	86.26
527	199	198	218	-18.82	32.76	-11.59	35.24	-21.30	-77.90	0.03008578	0.00146116	-83.84

528	198	219	218	3.84	28.13	14.72	33.49	[illegible]	[illegible]	[illegible]	[illegible]
529	218	219	221	-11.79	31.00	-14.80	35.02	-16.42	-72.66	0.C3528037	C.CC13C164	-81.82
530	219	220	221	6.37	19.44	22.80	36.62	-1C.81	53.CC	C.C2C68565	C.C0135532	65.44
531	221	220	240	-2.80	29.30	-18.98	38.11	-11.61	-65.11	0.C1623577	C.CCC57366	-77.06
532	220	241	240	-10.76	21.11	25.01	34.83	-24.48	61.25	C.C111136C	-C.CC445156	61.23
533	240	241	243	5.34	25.58	-6.02	27.24	3.65	-74.64	0.CC806055	C.CCC23867	-74.59
534	241	242	243	1.76	25.26	9.59	28.68	-1.65	7C.35	C.CC465583	-C.CC172602	7C.39
535	243	242	262	13.28	23.47	-4.34	25.07	11.68	-65.75	C.CC436250	C.CCCEC356	-65.76
536	242	263	262	2.91	14.02	2.93	14.75	2.15	76.05	0.CC215C05	-C.CCC42551	76.05
537	262	263	265	11.65	16.93	-2.50	17.93	10.66	-68.26	C.CC224651	C.CCC73055	-68.26
538	263	264	265	4.39	11.62	1.06	11.77	4.24	81.85	C.CC161781	C.CCCC4552	81.85
539	265	264	284	7.51	12.65	-0.42	12.69	1.47	-85.31	C.CC159352	C.CCC5C64E	-85.31
540	264	285	284	4.03	11.42	1.13	11.59	3.86	81.52	C.CC160567	C.CCCCCC22	81.52
541	284	285	287	8.06	12.76	-1.84	13.40	7.42	-70.97	C.CC17C711	C.CCC4E142	-70.97
542	285	286	287	5.73	10.43	-0.58	10.50	5.66	-83.03	C.CC134643	C.CCC33707	-83.03
543	287	286	306	8.26	11.28	-0.48	11.35	8.18	-81.11	0.CC134732	C.CCC66762	-81.11
544	286	307	306	7.80	11.94	-0.30	11.96	7.78	-85.83	C.CC146402	C.CCC55156	-85.83
545	306	307	309	7.23	11.75	-0.81	11.89	7.09	-80.10	0.CC146501	C.CCC4E615	-80.10
546	307	308	309	9.91	20.48	-2.64	21.10	9.29	-76.71	C.CC281385	C.CCC35185	-76.71

NODE	XNOR	YCRD	FX	FY	GX	GY	FZ	GZ
1	30.000000	0.0	12.206448	-28.870499	0.0	0.0	-28.503541	35.650319
2	30.000000	3.000000	12.206448	0.0	0.004120	0.000266	-0.043740	0.026721
3	30.000000	6.000000	12.206448	0.0	0.007611	0.000106	-0.056043	0.026028
4	30.000000	8.000000	12.206448	0.0	0.013262	0.000270	-0.059340	0.018019
5	30.000000	10.000000	12.206448	0.0	0.015571	0.0	-0.102432	6.660508
6	30.000000	12.000000	12.206448	0.0	0.013206	0.0	1.235807	-25.455557
7	30.000000	14.000000	12.206448	0.0	0.013734	0.002540	-0.264542	0.059938
8	30.000000	17.000000	12.206448	0.0	0.008756	0.007485	-0.638784	0.258968
9	30.000000	21.000000	12.206448	0.0	0.013545	0.008542	-0.546455	0.305767
10	30.000000	26.000000	12.206448	0.0	0.018952	0.010166	-0.618273	0.070738
11	30.000000	32.000000	12.206448	28.870499	0.0	0.0	-74.711668	-50.600349
12	24.000000	32.000000	0.0	28.870499	0.025941	0.027663	-0.580103	-0.010003
13	24.000000	26.000000	0.0	0.0	0.016440	0.022753	-1.387364	0.175109
14	24.000000	21.000000	0.0	0.0	0.011086	0.019565	-1.525835	0.151177
15	24.000000	17.000000	0.0	0.0	0.004250	0.017581	-1.131628	0.069280
16	24.000000	14.000000	0.0	0.0	0.005285	0.013105	-0.465408	0.004768
17	24.000000	12.000000	0.0	0.0	0.003313	0.011555	-3.715837	-21.724579
18	24.000000	10.000000	0.0	0.0	0.006517	0.007330	4.792557	18.117654
19	24.000000	8.000000	0.0	0.0	0.005345	0.005859	-0.157777	-0.052739
20	24.000000	6.000000	0.0	0.0	0.003753	0.003021	-0.103754	-0.032339
21	24.000000	3.000000	0.0	0.0	0.002206	0.001140	-0.069620	-0.019497
22	21.000000	0.0	0.0	-28.870499	0.0	0.0	-8.695162	7.165518
23	18.000000	0.0	0.0	-28.870499	0.0	0.0	-0.591548	11.388620
24	18.000000	3.000000	0.0	0.0	0.000941	0.062611	-0.050351	-0.078061
25	18.000000	6.000000	0.0	0.0	0.001443	0.064526	-0.080339	-0.101628
26	18.000000	8.000000	0.0	0.0	0.002028	0.068511	-0.122367	-0.147160
27	18.000000	10.000000	0.0	0.0	0.002351	0.011471	14.442618	10.543064
28	18.000000	12.000000	0.0	0.0	-0.004058	0.024602	-16.117803	-11.659084
29	18.000000	14.000000	0.0	0.0	-0.000879	0.027128	-0.351728	-0.746743
30	18.000000	17.000000	0.0	0.0	0.000105	0.033569	-1.663544	-0.834828
31	18.000000	21.000000	0.0	0.0	0.009168	0.030672	-2.120574	-0.814374
32	18.000000	26.000000	0.0	0.0	0.019426	0.044287	-1.520416	-0.333925
33	18.000000	32.000000	0.0	28.870499	0.040347	0.063502	-1.227916	-0.205197
34	14.000000	32.000000	0.0	28.870499	0.049971	0.081028	-12.378247	-15.136600
35	14.000000	26.000000	0.0	0.0	0.020472	0.066684	-18.591515	13.427271
36	14.000000	21.000000	0.0	0.0	0.008233	0.050667	-2.432843	-1.764793
37	14.000000	17.000000	0.0	0.0	-0.001056	0.047181	-0.955388	-1.568300
38	14.000000	14.000000	0.0	0.0	-0.003545	0.039662	-0.255684	-1.288982
39	14.000000	12.000000	0.0	0.0	-0.007057	0.037070	-3.293104	-1.339188
40	14.000000	10.000000	0.0	0.0	0.001672	0.011659	1.695123	3.822125
41	14.000000	8.000000	0.0	0.0	0.001077	0.005128	-0.068520	-0.141787
42	14.000000	6.000000	0.0	0.0	0.000852	0.004725	-0.054570	-0.108723
43	14.000000	3.000000	0.0	0.0	0.000535	0.002726	-0.034940	-0.080927
44	14.000000	0.0	0.0	-28.870499	0.0	0.0	-1.842283	14.140133
45	11.000000	0.0	0.0	-28.870499	0.0	0.0	-0.885905	16.874329
46	11.000000	3.000000	0.0	0.0	0.000331	0.002839	-0.022900	-0.053364
47	11.000000	6.000000	0.0	0.0	0.000355	0.003024	-0.034275	-0.118849
48	11.000000	8.000000	0.0	0.0	0.000029	0.005830	-0.031503	-0.150379
49	11.000000	10.000000	0.0	0.0	-0.000005	0.012510	-0.115965	0.653972
50	11.000000	12.000000	0.0	0.0	-0.008480	0.045306	-0.102552	-0.562172
51	11.000000	14.000000	0.0	0.0	-0.005060	0.048327	-0.207742	-1.625367
52	11.000000	17.000000	0.0	0.0	-0.002749	0.057128	-5.458514	-1.323667
53	11.000000	21.000000	0.0	0.0	0.007550	0.061205	-2.547259	-2.539166
54	11.000000	26.000000	0.0	0.0	0.020957	0.074103	-13.583403	25.517525
55	11.000000	32.000000	0.0	28.870499	0.058573	0.107923	-28.441043	-32.804980
56	8.000000	32.000000	0.0	28.870499	0.071620	0.140418	-6.282128	-55.519229
57	8.000000	26.000000	0.0	0.0	0.021304	0.087077	-38.587976	74.745145
58	8.000000	21.000000	0.0	0.0	0.006962	0.071261	-2.342250	-3.570633
59	8.000000	17.000000	0.0	0.0	-0.003117	0.066396	0.664337	-10.724525
60	8.000000	14.000000	0.0	0.0	-0.006025	0.056205	-1.065456	5.291183
61	8.000000	12.000000	0.0	0.0	-0.009305	0.052751	1.156805	-0.612853
62	8.000000	10.000000	0.0	0.0	-0.001133	0.013451	-1.212624	0.145855
63	8.000000	8.000000	0.0	0.0	-0.000760	0.010355	0.003271	-0.176416
64	8.000000	6.000000	0.0	0.0	0.000081	0.005193	-0.012555	-0.131192
65	8.000000	3.000000	0.0	0.0	0.000285	0.002881	-0.013801	-0.055505

67	5.000000	0.0	0.0	-28.870499	0.0	0.0	-0.727872	[illegible]	
68	5.000000	3.000000	0.0	0.0	0.000417	0.002654	-0.006956	-0.693101	
69	5.000000	6.000000	0.0	0.0	-0.000105	0.005618	0.006464	-0.127186	
70	5.000000	8.000000	0.0	0.0	-0.001224	0.010636	0.035165	-0.178785	
71	5.000000	10.000000	0.0	0.0	-0.002213	0.014036	-2.829853	0.511742	
72	5.000000	12.000000	0.0	0.0	-0.005835	0.059241	2.524353	-0.652063	
73	5.000000	14.000000	0.0	0.0	-0.006461	0.063140	-6.210056	12.321231	
74	5.000000	17.000000	0.0	0.0	-0.003225	0.034544	-0.465014	-17.827174	
75	5.000000	21.000000	0.0	0.0	0.006475	0.075617	-2.520025	-4.406051	
76	5.000000	26.000000	0.0	0.0	0.021863	0.054115	40.381005	-57.853859	
77	5.000000	32.000000	0.0	28.870499	0.068393	0.215507	-11.650423	19.708725	
78	3.000000	32.000000	0.0	28.870499	0.058027	0.273060	-1.196535	13.559727	
79	3.000000	26.000000	0.0	0.0	0.019844	0.100822	7.005565	-26.161003	
80	3.000000	21.000000	0.0	0.0	0.005861	0.065227	-3.210143	6.534119	
81	3.000000	17.000000	0.0	0.0	-0.003305	0.075395	0.104252	-17.383222	
82	3.000000	14.000000	0.0	0.0	-0.006444	0.067610	-1.844348	11.056881	
83	3.000000	12.000000	0.0	0.0	-0.010203	0.063343	2.164227	-1.565319	
84	3.000000	10.000000	0.0	0.0	-0.003135	0.013735	-1.820940	-1.662627	
85	3.000000	8.000000	0.0	0.0	-0.001176	0.010113	0.053215	-0.134975	
86	3.000000	6.000000	0.0	0.0	-0.000150	0.004355	0.016520	-0.103767	
87	3.000000	3.000000	0.0	0.0	0.000617	0.002215	-0.005273	-0.077741	
88	3.000000	0.0	0.0	-28.870499	0.0	0.0	-1.155514	25.441690	
89	1.000000	0.0	0.0	-28.870499	0.0	0.0	-1.989173	29.252463	
90	1.000000	3.000000	0.0	0.0	0.000821	0.001276	-0.012085	-0.053852	
91	1.000000	6.000000	0.0	0.0	-0.000107	0.002893	0.035055	-0.088669	
92	1.000000	8.000000	0.0	0.0	-0.000713	0.005353	0.050581	-0.106005	
93	1.000000	10.000000	0.0	0.0	-0.004182	0.012183	1.555752	-5.201966	
94	1.000000	12.000000	0.0	0.0	-0.010353	0.067453	-0.805861	-3.651839	
95	1.000000	14.000000	0.0	0.0	-0.005655	0.072551	-1.273006	8.463816	
96	1.000000	17.000000	0.0	0.0	-0.003380	0.084843	0.835555	-16.026130	
97	1.000000	21.000000	0.0	0.0	0.005250	0.095490	-4.047335	6.757010	
98	1.000000	26.000000	0.0	0.0	0.017571	0.167269	-5.749526	-15.186292	
99	1.000000	32.000000	0.0	28.870499	0.044507	0.316365	14.434627	14.657298	
100	0.0	32.000000	0.0	28.870499	0.038165	0.330572	11.678427	8.229243	
101	0.0	26.000000	0.0	0.0	0.016412	0.110256	0.353143	-7.658619	
102	0.0	21.000000	0.0	0.0	0.004966	0.053155	-2.541905	0.341392	
103	0.0	17.000000	0.0	0.0	-0.003442	0.087465	0.317084	-14.881499	
104	0.0	14.000000	0.0	0.0	-0.005557	0.075899	-0.088616	6.628251	
105	0.0	12.000000	0.0	0.0	-0.009838	0.011476	0.513212	-2.566618	
106	0.0	10.000000	0.0	0.0	-0.004729	0.008818	-0.678000	5.838415	
107	0.0	8.000000	0.0	0.0	-0.000247	0.006279	0.087535	-0.678161	
108	0.0	6.000000	0.0	0.0	0.000084	0.001602	0.038383	-0.088162	
109	0.0	3.000000	0.0	0.0	0.000707	-0.000096	-0.012227	-0.088951	
110	0.0	0.0	0.0	-28.870499	0.0	0.0	0.058742	28.842467	
111	-2.000000	0.0	0.0	-28.870499	-0.000055	-0.005110	-0.005532	-0.615219	
112	-2.000000	3.000000	0.0	0.0	0.000919	-0.001566	-0.008506	-0.038290	
113	-2.000000	6.000000	0.0	0.0	0.000063	-0.000182	0.033310	-0.022657	
114	-2.000000	8.000000	0.0	0.0	0.000242	0.001507	0.080367	-0.013969	
115	-2.000000	10.000000	0.0	0.0	-0.003541	0.002573	0.330551	0.243309	
116	-2.000000	12.000000	0.0	0.0	-0.007321	0.078243	1.128535	-3.660757	
117	-2.000000	14.000000	0.0	0.0	-0.005334	0.061580	-0.821437	7.438556	
118	-2.000000	17.000000	0.0	0.0	-0.003566	0.052878	1.296654	-15.340804	
119	-2.000000	21.000000	0.0	0.0	0.004448	0.056622	-2.486552	5.244886	
120	-2.000000	26.000000	0.0	0.0	0.013952	0.115558	-11.214872	-12.152663	
121	-2.000000	32.000000	0.0	28.870499	0.026419	0.333609	11.662676	-32.659578	
122	-2.200000	12.000000	0.0	0.0	-0.006161	0.078356	1.156872	-3.105787	
123	-2.200000	10.000000	0.0	0.0	-0.003378	0.002030	0.363750	-0.302037	
124	-3.000000	8.000000	0.0	0.0	0.000404	-0.000200	0.088565	0.001955	
125	-3.000000	10.000000	0.0	0.0	-0.002471	0.000154	0.256302	0.439546	
126	-3.000000	12.000000	0.0	0.0	-0.005305	0.078412	1.253244	-3.408966	
127	-3.000000	14.000000	0.0	0.0	-0.005426	0.063874	-1.318832	5.461397	
128	-3.200000	12.000000	0.0	0.0	-0.004721	0.078436	1.181668	-3.556191	
129	-3.200000	10.000000	0.0	0.0	-0.002016	-0.000475	0.277822	-0.422656	
130	-4.000000	32.000000	0.0	28.870499	0.014456	0.328337	9.075125	-33.124598	
131	-4.000000	26.000000	0.0	0.0	0.011355	0.120212	-5.495651	-5.742646	

133	-4.000000	17.000000	0.0	0.0	-0.003611	0.057511	0.105684	[illegible]	[illegible]
134	-4.000000	14.000000	0.0	0.0	-0.005558	0.066546	0.444275	[illegible]	[illegible]
135	-4.000000	12.000000	0.0	0.0	-0.002587	0.076597	-0.877525	1.529718	
136	-4.000000	10.000000	0.0	0.0	-0.001564	-0.003120	0.150305	0.836062	
137	-4.000000	8.000000	0.0	0.0	0.000154	-0.001514	0.085026	0.012209	
138	-4.000000	6.000000	0.0	0.0	0.000546	-0.000487	0.031241	0.001412	
139	-4.000000	3.000000	0.0	0.0	0.000681	-0.000556	0.000846	-0.004623	
140	-4.000000	0.0	0.0	-28.870499	0.0	0.0	1.373356	42.949059	
141	-1.200000	12.000000	0.0	0.0	-0.013446	0.081542	0.163700	-0.652441	
142	-4.200000	10.000000	0.0	0.0	-0.001110	-0.004200	1.204556	-1.007011	
143	-5.000000	8.000000	0.0	0.0	-0.000446	-0.001070	0.085055	0.015970	
144	-5.000000	10.000000	0.0	0.0	-0.000350	-0.001187	0.267462	-0.058443	
145	-5.000000	12.000000	0.0	0.0	-0.008235	0.085305	1.033502	-4.405138	
146	-5.000000	14.000000	0.0	0.0	-0.005162	0.088203	-7.288055	3.410988	
147	-5.200000	12.000000	0.0	0.0	-0.007790	0.065105	1.139410	-3.761081	
148	-5.200000	10.000000	0.0	0.0	0.000004	-0.000158	0.208097	0.165047	
149	-6.000000	0.0	0.0	-28.870499	0.0	0.0	0.555002	31.047175	
150	-6.000000	3.000000	0.0	0.0	0.000420	-0.000176	0.017195	0.008619	
151	-6.000000	6.000000	0.0	0.0	0.000375	-0.000201	0.039501	0.014031	
152	-6.000000	8.000000	0.0	0.0	-0.000366	-0.000027	0.083180	0.018926	
153	-6.000000	10.000000	0.0	0.0	0.000128	0.000682	0.244963	-0.021210	
154	-6.000000	12.000000	0.0	0.0	-0.007440	0.085208	1.102034	-3.831062	
155	-6.000000	14.000000	0.0	0.0	-0.004818	0.065601	-0.000605	5.708035	
156	-6.000000	17.000000	0.0	0.0	-0.003582	0.162473	1.677215	-23.043628	
157	-6.000000	21.000000	0.0	0.0	-0.003102	0.108241	-1.604758	8.543434	
158	-6.000000	26.000000	0.0	0.0	0.008589	0.124442	0.174752	-6.273104	
159	-6.000000	32.000000	0.0	28.870499	0.002205	0.346002	2.332854	-35.412271	
160	-6.200000	12.000000	0.0	0.0	-0.007124	0.065952	1.160853	-3.755040	
161	-6.200000	10.000000	0.0	0.0	0.000440	0.000502	0.212766	0.053005	
162	-7.000000	8.000000	0.0	0.0	-0.000180	0.000720	0.000673	0.021423	
163	-7.000000	10.000000	0.0	0.0	0.000310	0.001676	25.171272	-3.503633	
164	-7.000000	12.000000	0.0	0.0	-0.007298	0.086645	1.157452	-0.730340	
165	-7.000000	14.000000	0.0	0.0	-0.004268	0.051356	-0.605926	6.785614	
166	-7.200000	12.000000	0.0	0.0	-0.007056	0.087004	1.142751	-3.751302	
167	-7.200000	10.000000	0.0	0.0	0.000585	0.001751	-25.304475	0.373565	
168	-8.000000	32.000000	0.0	28.870499	-0.010166	0.338223	-7.698345	-34.114931	
169	-8.000000	26.000000	0.0	0.0	0.005468	0.128220	5.486122	-5.133716	
170	-8.000000	21.000000	0.0	0.0	0.002321	0.112576	-1.715455	8.850950	
171	-8.000000	17.000000	0.0	0.0	-0.003370	0.107007	2.512054	-22.162398	
172	-8.000000	14.000000	0.0	0.0	-0.003633	0.043839	-1.383364	5.678901	
173	-8.000000	12.000000	0.0	0.0	-0.007537	0.085264	27.701717	-4.531870	
174	-8.000000	10.000000	0.0	0.0	0.000346	0.002136	0.155117	0.035405	
175	-8.000000	8.000000	0.0	0.0	0.000057	0.001181	0.071815	0.022585	
176	-8.000000	6.000000	0.0	0.0	0.000363	0.000211	0.038118	0.019068	
177	-8.000000	3.000000	0.0	0.0	0.000267	0.000047	0.022764	0.014367	
178	-8.000000	0.0	0.0	-28.870499	0.0	0.0	0.431165	26.982280	
179	-8.200000	10.000000	0.0	0.0	0.000623	0.002152	0.255916	-3.328460	
180	-8.200000	12.000000	0.0	0.0	-0.007324	0.085855	-25.543183	0.024297	
181	-9.000000	14.000000	0.0	0.0	-0.002557	0.057366	-0.179706	5.531907	
182	-9.000000	12.000000	0.0	0.0	-0.007912	0.053344	1.015754	-4.229057	
183	-9.000000	10.000000	0.0	0.0	0.000372	0.002091	0.166256	0.124441	
184	-9.000000	8.000000	0.0	0.0	0.000332	0.001215	0.074123	0.021494	
185	-9.200000	10.000000	0.0	0.0	0.000682	0.001984	0.153706	-0.049750	
186	-9.200000	12.000000	0.0	0.0	-0.007655	0.054315	0.886814	-3.877825	
187	-10.000000	0.0	0.0	-28.870499	0.0	0.0	0.401212	29.387368	
188	-10.000000	3.000000	0.0	0.0	0.000210	0.000166	0.026016	0.015650	
189	-10.000000	6.000000	0.0	0.0	0.000346	0.000378	0.035601	0.019163	
190	-10.000000	8.000000	0.0	0.0	0.000467	0.001075	0.055355	0.020175	
191	-10.000000	10.000000	0.0	0.0	0.000461	0.001373	-0.202020	0.324408	
192	-10.000000	12.000000	0.0	0.0	-0.008228	0.095600	-0.025076	-2.421020	
193	-10.000000	14.000000	0.0	0.0	-0.002774	0.101751	-1.380672	6.774219	
194	-10.000000	17.000000	0.0	0.0	-0.003135	0.111561	10.426867	-21.116437	
195	-10.000000	21.000000	0.0	0.0	0.001375	0.116585	-1.766587	9.451515	
196	-10.000000	26.000000	0.0	0.0	0.002366	0.121425	10.006580	-7.516045	
197	-10.000000	32.000000	0.0	28.870499	-0.022267	0.329511	-20.545698	-19.875242	

199	-12.000000	26.000000	0.0	0.0	-0.001059	0.133623	40.036313	-26.211151
200	-12.000000	21.000000	0.0	0.0	0.000158	0.120110	-1.671461	5.666142
201	-12.000000	17.000000	0.0	0.0	-0.003157	0.115670	0.610327	-5.256218
202	-12.000000	14.000000	0.0	0.0	-0.002734	0.109275	6.874277	-5.120622
203	-12.000000	12.000000	0.0	0.0	-0.007477	0.107562	0.253225	-2.377216
204	-12.000000	10.000000	0.0	0.0	0.000275	0.000615	0.260105	0.230902
205	-12.000000	8.000000	0.0	0.0	0.000415	0.000113	0.032911	0.013884
206	-12.000000	6.000000	0.0	0.0	0.000253	0.000353	0.031135	0.015846
207	-12.000000	3.000000	0.0	0.0	0.000160	0.000195	0.026300	0.013408
208	-12.000000	0.0	0.0	-28.870499	0.0	0.0	0.225354	29.070706
209	-14.000000	0.0	0.0	-28.870499	0.0	0.0	0.120253	28.507761
210	-14.000000	3.000000	0.0	0.0	0.000144	0.000193	0.024511	0.010487
211	-14.000000	6.000000	0.0	0.0	0.000223	0.000319	0.025816	0.011220
212	-14.000000	8.000000	0.0	0.0	0.000297	0.000561	0.024345	0.008203
213	-14.000000	10.000000	0.0	0.0	0.000228	0.000682	0.013560	0.004516
214	-14.000000	12.000000	0.0	0.0	-0.005884	0.112940	-0.027755	-2.059130
215	-14.000000	14.000000	0.0	0.0	-0.002695	0.114007	-0.003245	-3.012408
216	-14.000000	17.000000	0.0	0.0	-0.003137	0.115163	0.377745	-5.043734
217	-14.000000	21.000000	0.0	0.0	-0.001184	0.122829	2.706931	-5.554106
218	-14.000000	26.000000	0.0	0.0	-0.004640	0.135231	2.622434	-12.926647
219	-14.000000	32.000000	0.0	28.870499	-0.043387	0.283557	-14.706018	50.676640
220	-16.000000	32.000000	0.0	28.870499	-0.052841	0.229559	-2.955715	41.575104
221	-16.000000	26.000000	0.0	0.0	-0.008216	0.135832	-19.310793	-25.625126
222	-16.000000	21.000000	0.0	0.0	-0.002724	0.124556	2.781132	-5.228389
223	-16.000000	17.000000	0.0	0.0	-0.003066	0.121311	0.674675	-4.350495
224	-16.000000	14.000000	0.0	0.0	-0.002361	0.116760	-0.016540	-3.106897
225	-16.000000	12.000000	0.0	0.0	-0.003930	0.115723	-0.185456	-1.981019
226	-16.000000	10.000000	0.0	0.0	0.000246	0.000724	0.016478	0.002343
227	-16.000000	8.000000	0.0	0.0	0.000221	0.000555	0.016622	0.005631
228	-16.000000	6.000000	0.0	0.0	0.000163	0.000307	0.018636	0.007937
229	-16.000000	3.000000	0.0	0.0	0.000107	0.000187	0.018772	0.007594
230	-16.000000	0.0	0.0	-28.870499	0.0	0.0	0.076287	28.815075
231	-19.000000	0.0	0.0	-28.870499	0.0	0.0	0.064055	28.745200
232	-19.000000	3.000000	0.0	0.0	0.000060	0.000189	0.012772	0.006311
233	-19.000000	6.000000	0.0	0.0	0.000057	0.000321	0.011936	0.004072
234	-19.000000	8.000000	0.0	0.0	0.000166	0.000625	0.016151	0.002213
235	-19.000000	10.000000	0.0	0.0	0.000272	0.000823	0.014215	0.000704
236	-19.000000	12.000000	0.0	0.0	-0.001027	0.116857	-0.026130	-1.501407
237	-19.000000	14.000000	0.0	0.0	-0.001277	0.117909	-0.013815	-2.583655
238	-19.000000	17.000000	0.0	0.0	-0.002670	0.122012	0.784707	-3.354845
239	-19.000000	21.000000	0.0	0.0	-0.005087	0.124877	2.173576	-3.505421
240	-19.000000	26.000000	0.0	0.0	-0.012552	0.136651	-25.651344	54.091514
241	-19.000000	32.000000	0.0	28.870499	-0.050306	0.181702	58.655557	-60.504685
242	-22.000000	32.000000	0.0	28.870499	-0.047274	0.193437	16.385230	-43.566988
243	-22.000000	26.000000	0.0	0.0	-0.014564	0.125817	29.666535	38.858903
244	-22.000000	21.000000	0.0	0.0	-0.007254	0.121341	2.651246	-2.828175
245	-22.000000	17.000000	0.0	0.0	-0.002282	0.115215	0.384036	-2.540454
246	-22.000000	14.000000	0.0	0.0	-0.000664	0.115821	0.050513	-2.208046
247	-22.000000	12.000000	0.0	0.0	0.002095	0.114461	-0.224815	-1.469892
248	-22.000000	10.000000	0.0	0.0	0.000055	0.000630	0.017346	-0.002456
249	-22.000000	8.000000	0.0	0.0	0.000066	0.000657	0.006703	0.000847
250	-22.000000	6.000000	0.0	0.0	0.000046	0.000339	0.008265	0.002037
251	-22.000000	3.000000	0.0	0.0	0.000023	0.000157	0.006566	0.002335
252	-22.000000	0.0	0.0	-28.870499	0.0	0.0	0.053053	28.870791
253	-27.000000	0.0	0.0	-28.870499	0.0	0.0	0.303311	28.386505
254	-27.000000	3.000000	0.0	0.0	-0.000030	0.000207	0.005706	0.000213
255	-27.000000	6.000000	0.0	0.0	-0.000035	0.000354	0.005720	-0.000184
256	-27.000000	8.000000	0.0	0.0	-0.000037	0.000466	0.005723	-0.001089
257	-27.000000	10.000000	0.0	0.0	-0.000027	0.000665	0.045232	-0.003520
258	-27.000000	12.000000	0.0	0.0	0.005323	0.106206	-0.039857	-0.582045
259	-27.000000	14.000000	0.0	0.0	0.001025	0.106755	0.322051	-0.654968
260	-27.000000	17.000000	0.0	0.0	-0.002953	0.105016	1.137565	-0.792938
261	-27.000000	21.000000	0.0	0.0	-0.011146	0.110099	2.420762	-0.734726
262	-27.000000	26.000000	0.0	0.0	-0.021111	0.114444	31.234406	-7.253925
263	-27.000000	32.000000	0.0	28.870499	-0.045500	0.126678	1.455552	-0.186683

265	-35.000000	26.000000	0.0	0.0	-0.028623	0.085136	1.661376	0.636963
266	-35.000000	21.000000	0.0	0.0	-0.017378	0.066345	2.401275	1.568898
267	-35.000000	17.000000	0.0	0.0	-0.007398	0.085602	1.612145	1.643959
268	-35.000000	14.000000	0.0	0.0	-0.001617	0.083705	0.531644	1.238254
269	-35.000000	12.000000	0.0	0.0	0.004762	0.063641	0.489250	1.189732
270	-35.000000	10.000000	0.0	0.0	-0.000293	0.000836	0.066220	0.005988
271	-35.000000	8.000000	0.0	0.0	-0.000284	0.000870	0.007947	-0.000900
272	-35.000000	6.000000	0.0	0.0	-0.000203	0.000365	0.005840	-0.001035
273	-35.000000	3.000000	0.0	0.0	-0.000145	0.000222	0.004608	-0.000765
274	-35.000000	0.0	0.0	-28.870499	0.0	0.0	1.037288	27.754363
275	-43.000000	0.0	0.0	-28.870499	0.0	0.0	2.685616	26.034283
276	-43.000000	3.000000	0.0	0.0	-0.000355	0.000276	0.005853	-0.001524
277	-43.000000	6.000000	0.0	0.0	-0.000572	0.000418	0.007558	-0.001711
278	-43.000000	8.000000	0.0	0.0	-0.000867	0.000672	0.012248	-0.002116
279	-43.000000	10.000000	0.0	0.0	-0.000919	0.000777	0.013181	0.142011
280	-43.000000	12.000000	0.0	0.0	-0.004602	0.050000	0.855556	-171.025286
281	-43.000000	14.000000	0.0	0.0	-0.008242	0.053017	1.344816	0.397451
282	-43.000000	17.000000	0.0	0.0	-0.013622	0.060367	2.056145	1.258206
283	-43.000000	21.000000	0.0	0.0	-0.022015	0.062586	2.373821	1.452599
284	-43.000000	26.000000	0.0	0.0	-0.032732	0.063252	1.352425	0.712488
285	-43.000000	32.000000	0.0	28.870499	-0.046830	0.076700	0.573997	0.204211
286	-52.000000	32.000000	0.0	28.870499	-0.049957	0.061006	0.455635	0.128883
287	-52.000000	26.000000	0.0	0.0	-0.038077	0.053017	1.224345	0.413602
288	-52.000000	21.000000	0.0	0.0	-0.028408	0.050013	2.518476	0.829614
289	-52.000000	17.000000	0.0	0.0	-0.021151	0.049526	2.229394	0.637596
290	-52.000000	14.000000	0.0	0.0	-0.014863	0.049576	1.758305	0.183078
291	-52.000000	12.000000	0.0	0.0	-0.011650	0.050000	1.360746	28.582914
292	-52.000000	10.000000	0.0	0.0	-0.002700	0.000872	-0.025958	1.122957
293	-52.000000	8.000000	0.0	0.0	-0.002452	0.000843	0.014393	-0.001070
294	-52.000000	6.000000	0.0	0.0	-0.001567	0.000838	0.005164	-0.001068
295	-52.000000	3.000000	0.0	0.0	-0.001028	0.000449	0.006521	-0.000842
296	-52.000000	0.0	0.0	-28.870499	0.0	0.0	7.651858	26.884053
297	-61.000000	0.0	0.0	-28.870499	0.0	0.0	17.385686	15.494623
298	-61.000000	3.000000	0.0	0.0	-0.002465	0.000668	0.007878	-0.000151
299	-61.000000	6.000000	0.0	0.0	-0.004227	0.000818	0.010384	0.000002
300	-61.000000	8.000000	0.0	0.0	-0.007018	0.000875	0.016505	-0.000045
301	-61.000000	10.000000	0.0	0.0	-0.007813	0.000572	0.013604	0.000183
302	-61.000000	12.000000	0.0	0.0	-0.015173	0.027322	1.328937	-3.731268
303	-61.000000	14.000000	0.0	0.0	-0.024166	0.028158	1.748074	0.072038
304	-61.000000	17.000000	0.0	0.0	-0.028465	0.031438	-4.441583	-1.465644
305	-61.000000	21.000000	0.0	0.0	-0.035542	0.032757	2.450530	0.312977
306	-61.000000	26.000000	0.0	0.0	-0.044468	0.036549	1.154157	0.157084
307	-61.000000	32.000000	0.0	28.870499	-0.055367	0.045705	0.394031	0.057001
308	-70.000000	32.000000	-12.206448	28.870499	-0.059705	0.035665	0.156413	-0.006804
309	-70.000000	26.000000	-12.206448	0.0	-0.045068	0.023562	0.565355	-0.011902
310	-70.000000	21.000000	-12.206448	0.0	-0.040626	0.018236	1.241841	-0.033338
311	-70.000000	17.000000	-12.206448	0.0	-0.034437	0.013155	2.770133	-25.227238
312	-70.000000	14.000000	-12.206448	0.0	-0.035501	0.003703	6.026828	30.560490
313	-70.000000	12.000000	-12.206448	0.0	-0.032250	0.0	0.607950	-35.768277
314	-70.000000	10.000000	-12.206448	0.0	-0.020663	0.0	0.007098	11.757489
315	-70.000000	8.000000	-12.206448	0.0	-0.018454	-0.000567	0.008005	0.001468
316	-70.000000	6.000000	-12.206448	0.0	-0.010591	-0.001288	0.005445	0.002845
317	-70.000000	3.000000	-12.206448	0.0	-0.006383	-0.001053	0.003846	0.002707
318	-70.000000	0.0	-12.206448	-28.870499	0.0	0.0	31.611777	38.519900