COMUNE DI SERAVEZZA

PROVINCIA DI LUCCA

PIO ISTITUTO CAMPANA

Azienda Pubblica di Servizio alla Persona

RIORGANIZZAZIONE DEGLI SPAZI INTERNI ED ESTERNI DEL FABBRICATO ADIACENTE ALLA RSA CON CONTESTUALE AMPLIAMENTO PER LA REALIZZAZIONE DEL NUOVO NUCLEO ALZHEIMER

- I° LOTTO -

PROGETTO ESECUTIVO

ELABORATI STRUTTURALI

Il Committente:		Il Progettista Strutturale:
Presidente Pio Istituto Campana **Venturini Renzo**		**Ing. Riccardo Feliciani**

OGGETTO:

RELAZIONE DI CALCOLO
SCALA INTERNA IN C.A.

COMMITTENTE:

Residenza Socio Sanitaria **Pio Istituto Campana**
Via F. Donati n. 100/116 55047 Seravezza (LU)

Elaborato nr:

S.2.2

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RELAZIONE DI CALCOLO - SCALA INTERNA IN C.A.

Sommario

Introduzione

Sistemi di riferimento

Le coordinate, i carichi concentrati, i cedimenti, le reazioni vincolari e gli spostamenti dei NODI sono riferiti ad una terna destra cartesiana globale con l'asse Z verticale rivolto verso l'alto.
I carichi in coordinate locali e le sollecitazioni delle ASTE sono riferite ad una terna destra cartesiana locale così definita:
- origine nel nodo iniziale dell'asta;
- asse X coincidente con l'asse dell'asta e con verso dal nodo iniziale al nodo finale;
- immaginando la trave a sezione rettangolare l'asse Y è parallelo alla base e l'asse Z è parallelo all'altezza. La rotazione dell'asta comporta quindi una rotazione di tutta la terna locale.

Si può immaginare la terna locale di un'asta comunque disposta nello spazio come derivante da quella globale dopo una serie di trasformazioni:
- una rotazione intorno all'asse Z che porti l'asse X a coincidere con la proiezione dell'asse dell'asta sul piano orizzontale;
- una traslazione lungo il nuovo asse X così definito in modo da portare l'origine a coincidere con la proiezione del nodo iniziale dell'asta sul piano orizzontale;
- una traslazione lungo l'asse Z che porti l'origine a coincidere con il nodo iniziale dell'asta;
- una rotazione intorno all'asse Y così definito che porti l'asse X a coincidere con l'asse dell'asta;
- una rotazione intorno all'asse X così definito pari alla rotazione dell'asta.

In pratica le travi prive di rotazione avranno sempre l'asse Z rivolto verso l'alto e l'asse Y nel piano del solaio, mentre i pilastri privi di rotazione avranno l'asse Y parallelo all'asse Y globale e l'asse Z parallelo ma controverso all'asse X globale. Da notare quindi che per i pilastri la "base" è il lato parallelo a Y.

Le sollecitazioni ed i carichi in coordinate locali negli ELEMENTI BIDIMENSIONALI e nei MURI sono riferiti ad una terna destra cartesiana locale così definita:
- origine nel primo nodo dell'elemento;
- asse X coincidente con la congiungente il primo ed il secondo nodo dell'elemento;
- asse Y definito come prodotto vettoriale fra il versore dell'asse X e il versore della congiungente il primo e il quarto nodo. Asse Z a formare con gli altri due una terna destrorsa.

Praticamente un elemento verticale con l'asse X locale coincidente con l'asse X globale ha anche gli altri assi locali coincidenti con quelli globali.

Rotazioni e momenti

Seguendo il principio adottato per tutti i carichi che sono positivi se CONTROVERSI agli assi, anche i momenti concentrati e le rotazioni impresse in coordinate globali risultano positivi se CONTROVERSI al segno positivo delle rotazioni. Il segno positivo dei momenti e delle rotazioni è quello orario per l'osservatore posto nell'origine: X ruota su Y, Y ruota su Z, Z ruota su X. In pratica è sufficiente adottare la regola della mano destra: col pollice rivolto nella direzione dell'asse, la rotazione che porta a chiudere il palmo della mano corrisponde al segno positivo.

Normativa di riferimento

La normativa di riferimento è la seguente:

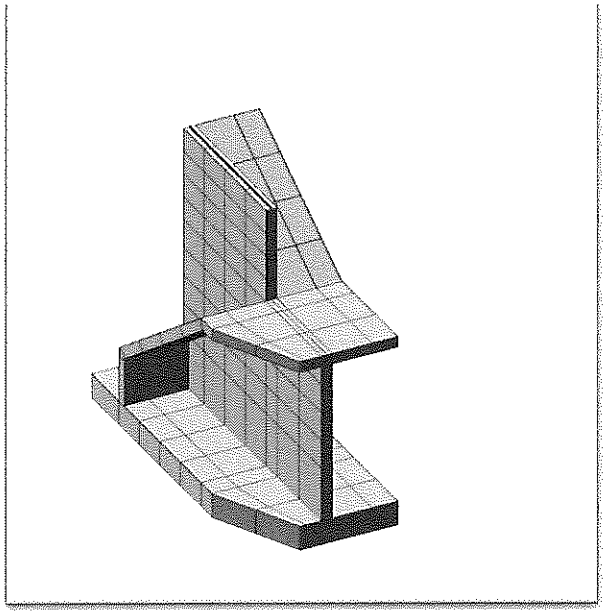
- D.M. del 14/1/2008 - Norme tecniche per le costruzioni. Le verifiche degli elementi di fondazione sono eseguite utilizzando l'Approccio 2.

- Circolare n. 617 del 2/2/2009 - Istruzioni per l'applicazione delle "Nuove norme tecniche per le costruzioni" di cui al D.M. del 14/1/2008.

Unità di misura

Le unità di misura adottate sono le seguenti:
- lunghezze : m
- forze : daN
- masse : kg
- temperature : gradi centigradi
- angoli : gradi sessadecimali o radianti

Geometria



Elenco vincoli nodi

Simbologia
Vn = Numero del vincolo nodo
Comm. = Commento
Sx = Spostamento in dir. X (L=libero, B=bloccato, E=elastico)
Sy = Spostamento in dir. Y (L=libero, B=bloccato, E=elastico)
Sz = Spostamento in dir. Z (L=libero, B=bloccato, E=elastico)
Rx = Rotazione intorno all'asse X (L=libera, B=bloccata, E=elastica)
Ry = Rotazione intorno all'asse Y (L=libera, B=bloccata, E=elastica)
Rz = Rotazione intorno all'asse Z (L=libera, B=bloccata, E=elastica)
RL = Rotazione libera
Ly = Lunghezza (dir. Y locale)
Lz = Larghezza (dir. Z locale)
Kt = Coeff. di sottofondo su suolo elastico alla Winkler

Vn	Comm.	Sx	Sy	Sz	Rx	Ry	Rz	RL	Ly <m>	Lz <m>	Kt <daN/cmc>
1	Libero	L	L	L	L	L	L				
3	El. sew 110001	B	B	L	L	L	B				

Elenco nodi

Simbologia
Nodo = Numero del nodo
X = Coordinata X del nodo
Y = Coordinata Y del nodo
Z = Coordinata Z del nodo
Imp. = Numero dell'impalcato
Vn = Numero del vincolo nodo

Nodo	X <m>	Y <m>	Z <m>	Imp.	Vn
-137	10.25	15.02	-1.25	0	3
-134	10.65	20.02	3.56	1	1
-131	10.65	17.77	3.56	1	1
-128	11.95	19.27	3.13	0	1
-125	10.65	18.52	3.13	0	1
-122	10.65	20.02	2.71	0	1
-119	11.48	18.52	2.71	0	1
-116	10.65	17.02	2.71	0	1
-113	10.65	18.52	2.28	0	1
-110	10.65	17.77	2.28	0	1
-107	10.65	19.27	1.85	0	1
-104	11.95	17.02	1.85	0	1
-101	9.82	17.02	1.85	0	1
-98	11.48	16.62	1.85	0	1
-95	9.35	16.62	1.85	0	1
-92	10.65	15.82	1.85	0	1

Nodo	X <m>	Y <m>	Z <m>	Imp.	Vn
-136	11.95	20.02	3.56	1	1
-133	10.65	19.27	3.56	1	1
-130	10.65	17.02	3.56	1	1
-127	11.48	19.27	3.13	0	1
-124	10.65	17.77	3.13	0	1
-121	10.65	19.27	2.71	0	1
-118	10.65	18.52	2.71	0	1
-115	10.65	20.02	2.28	0	1
-112	11.95	17.77	2.28	0	1
-109	10.65	17.02	2.28	0	1
-106	10.65	18.52	1.85	0	1
-103	11.48	17.02	1.85	0	1
-100	9.35	17.02	1.85	0	1
-97	10.65	16.62	1.85	0	1
-94	11.95	15.82	1.85	0	1
-91	9.98	15.82	1.85	0	1

Nodo	X <m>	Y <m>	Z <m>	Imp.	Vn
-135	11.48	20.02	3.56	1	1
-132	10.65	18.52	3.56	1	1
-129	10.65	20.02	3.13	0	1
-126	10.65	19.27	3.13	0	1
-123	10.65	17.02	3.13	0	1
-120	11.95	18.52	2.71	0	1
-117	10.65	17.77	2.71	0	1
-114	10.65	19.27	2.28	0	1
-111	11.48	17.77	2.28	0	1
-108	10.65	20.02	1.85	0	1
-105	10.65	17.77	1.85	0	1
-102	10.65	17.02	1.85	0	1
-99	11.95	16.62	1.85	0	1
-96	9.82	16.62	1.85	0	1
-93	11.48	15.82	1.85	0	1
-90	9.75	15.82	1.85	0	1

-89	11.95	15.02	1.85	0	1
-86	10.25	15.02	1.85	0	1
-83	10.65	19.27	1.32	0	1
-80	9.82	17.77	1.32	0	1
-77	10.65	16.62	1.32	0	1
-74	10.65	20.02	0.80	0	1
-71	9.82	18.52	0.80	0	1
-68	10.65	17.02	0.80	0	1
-65	10.65	15.02	0.80	0	1
-62	9.82	19.27	0.28	0	1
-59	10.65	17.77	0.28	0	1
-56	10.65	15.82	0.28	0	1
-53	9.82	20.02	-0.25	0	1
-50	10.65	18.52	-0.25	0	1
-47	10.65	16.62	-0.25	0	1
-44	11.95	21.01	-1.25	0	3
-41	9.82	21.01	-1.25	0	3
-38	11.48	20.02	-1.25	0	3
-35	9.35	20.02	-1.25	0	3
-32	10.65	19.27	-1.25	0	3
-29	11.95	18.52	-1.25	0	3
-26	9.82	18.52	-1.25	0	3
-23	11.48	17.77	-1.25	0	3
-20	9.35	17.77	-1.25	0	3
-17	10.65	17.02	-1.25	0	3
-14	11.95	16.62	-1.25	0	3
-11	9.82	16.62	-1.25	0	3
-8	11.48	15.82	-1.25	0	3
-5	9.75	15.82	-1.25	0	3
-2	10.65	15.02	-1.25	0	3

-88	11.48	15.02	1.85	0	1
-85	10.15	15.02	1.85	0	1
-82	10.65	18.52	1.32	0	1
-79	9.35	17.77	1.32	0	1
-76	10.65	15.82	1.32	0	1
-73	10.65	19.27	0.80	0	1
-70	9.35	18.52	0.80	0	1
-67	10.65	16.62	0.80	0	1
-64	10.65	20.02	0.28	0	1
-61	9.35	19.27	0.28	0	1
-58	10.65	17.02	0.28	0	1
-55	10.65	15.02	0.28	0	1
-52	9.35	20.02	-0.25	0	1
-49	10.65	17.77	-0.25	0	1
-46	10.65	15.82	-0.25	0	1
-43	11.48	21.01	-1.25	0	3
-40	9.35	21.01	-1.25	0	3
-37	10.65	20.02	-1.25	0	3
-34	11.95	19.27	-1.25	0	3
-31	9.82	19.27	-1.25	0	3
-28	11.48	18.52	-1.25	0	3
-25	9.35	18.52	-1.25	0	3
-22	10.65	17.77	-1.25	0	3
-19	11.95	17.02	-1.25	0	3
-16	9.82	17.02	-1.25	0	3
-13	11.48	16.62	-1.25	0	3
-10	9.35	16.62	-1.25	0	3
-7	10.65	15.82	-1.25	0	3
-4	11.95	15.02	-1.25	0	3
-1	10.15	15.02	-1.25	0	3

-87	10.65	15.02	1.85	0	1
-84	10.65	20.02	1.32	0	1
-81	10.65	17.77	1.32	0	1
-78	10.65	17.02	1.32	0	1
-75	10.65	15.02	1.32	0	1
-72	10.65	18.52	0.80	0	1
-69	10.65	17.77	0.80	0	1
-66	10.65	15.82	0.80	0	1
-63	10.65	19.27	0.28	0	1
-60	10.65	18.52	0.28	0	1
-57	10.65	16.62	0.28	0	1
-54	10.65	20.02	-0.25	0	1
-51	10.65	19.27	-0.25	0	1
-48	10.65	17.02	-0.25	0	1
-45	10.65	15.02	-0.25	0	1
-42	10.65	21.01	-1.25	0	3
-39	11.95	20.02	-1.25	0	3
-36	9.82	20.02	-1.25	0	3
-33	11.48	19.27	-1.25	0	3
-30	9.35	19.27	-1.25	0	3
-27	10.65	18.52	-1.25	0	3
-24	11.95	17.77	-1.25	0	3
-21	9.82	17.77	-1.25	0	3
-18	11.48	17.02	-1.25	0	3
-15	9.35	17.02	-1.25	0	3
-12	10.65	16.62	-1.25	0	3
-9	11.95	15.82	-1.25	0	3
-6	9.98	15.82	-1.25	0	3
-3	11.48	15.02	-1.25	0	3

Elenco materiali

Simbologia

Mat. = Numero del materiale
Comm. = Commento
P = Peso specifico
E = Modulo elastico
G = Modulo elastico tangenziale
ν = Coeff. di Poisson
α = Coeff. di dilatazione termica

Mat.	Comm.	P <daN/mc>	E <daN/cmq>	G <daN/cmq>	ν	α
1	Calcestruzzo	2500	300000.00	130000.00	0.1	1.000000E-05

Elenco sezioni aste

Simbologia

Sez. = Numero della sezione
Comm. = Commento
Tipo = Tipologia
2C = Doppia C lato labbri
2Cdx = Doppia C lato costola
2I = Doppia I
2L = Doppia L lato labbri
2Ldx = Doppia L lato costole
C = C
Cdx = C destra
Cir. = Circolare
Cir.c = Circolare cava
I = I
L = L
Ldx = L destra
Om. = Omega
Pg = Pi greco
Pr = Poligono regolare
Prc = Poligono regolare cavo
Pc = Per coordinate
Ia = Inerzie assegnate
R = Rettangolare
Rc = Rettangolare cava
T = T
U = U
Ur = U rovescia
V = V
Vr = V rovescia
Z = Z
Zdx = Z destra
Ts = T stondata

Ls = L stondata
Cs = C stondata
Is = I stondata
Dis. = Disegnata
Me = Membratura
G = Generica
T = Trave
P = Pilastro
Ver. = Verifica prevista
N = Nessuna
C = Cemento armato
A = Acciaio
L = Legno
Ma = Numero del materiale
C = Numero del criterio di progetto
Ccol = Numero del criterio di progetto collegamento

Sez.	Comm.	Tipo	Me	Ver.	Ma	C	Ccol

Elenco vincoli aste

Simbologia
Va = Numero del vincolo asta
Comm. = Commento
Tipo = Tipologia
SVI = Definizione di vincolamenti interni
ELA = Vincolo su suolo elastico alla Winkler
BIE-RTC = Biella resistente a trazione e a compressione
BIE-RC = Biella resistente solo a compressione
BIE-RT = Biella resistente solo a trazione
Ni = Sforzo normale nodo iniziale (0=sbloccato, 1=bloccato)
Tyi = Taglio in dir. Y locale nodo iniziale (0=sbloccato, 1=bloccato)
Tzi = Taglio in dir. Z locale nodo iniziale (0=sbloccato, 1=bloccato)
Mxi = Momento intorno all'asse X locale nodo iniziale (0=sbloccato, 1=bloccato)
Myi = Momento intorno all'asse Y locale nodo iniziale (0=sbloccato, 1=bloccato)
Mzi = Momento intorno all'asse Z locale nodo iniziale (0=sbloccato, 1=bloccato)
Nf = Sforzo normale nodo finale (0=sbloccato, 1=bloccato)
Tyf = Taglio in dir. Y locale nodo finale (0=sbloccato, 1=bloccato)
Tzf = Taglio in dir. Z locale nodo finale (0=sbloccato, 1=bloccato)
Mxf = Momento intorno all'asse X locale nodo finale (0=sbloccato, 1=bloccato)
Myf = Momento intorno all'asse Y locale nodo finale (0=sbloccato, 1=bloccato)
Mzf = Momento intorno all'asse Z locale nodo finale (0=sbloccato, 1=bloccato)
Kt = Coeff. di sottofondo su suolo elastico alla Winkler

Va	Comm.	Tipo	Ni	Tyi	Tzi	Mxi	Myi	Mzi	Nf	Tyf	Tzf	Mxf	Myf	Mzf	Kt <daN/cmc>
1	Inc+Inc	SVI	1	1	1	1	1	1	1	1	1	1	1	1	

Elenco aste

Simbologia
Asta = Numero dell'asta
N1 = Nodo iniziale
N2 = Nodo finale
Sez. = Numero della sezione
Va = Numero del vincolo asta
Par. = Numero dei parametri aggiuntivi
Rot. = Rotazione
FF = Filo fisso
Dy1 = Scost. filo fisso Y1
Dy2 = Scost. filo fisso Y2
Dz1 = Scost. filo fisso Z1
Dz2 = Scost. filo fisso Z2
Kt = Coeff. di sottofondo su suolo elastico alla Winkler

Asta	N1	N2	Sez.	Va	Par.	Rot. <grad>	FF	Dy1 <cm>	Dy2 <cm>	Dz1 <cm>	Dz2 <cm>	Kt <daN/cmc>
0	-17	-22		1		0.00	22	0.00	0.00	0.00	0.00	
0	-22	-27		1		0.00	22	0.00	0.00	0.00	0.00	
0	-27	-32		1		0.00	22	0.00	0.00	0.00	0.00	
0	-32	-37		1		0.00	22	0.00	0.00	0.00	0.00	
0	-130	-131		1		0.00	22	0.00	0.00	0.00	0.00	
0	-131	-132		1		0.00	22	0.00	0.00	0.00	0.00	
0	-132	-133		1		0.00	22	0.00	0.00	0.00	0.00	
0	-133	-134		1		0.00	22	0.00	0.00	0.00	0.00	

Elenco tipi elementi bidimensionali

Simbologia
Tb = Numero del tipo muro/elemento bidimensionale

Comm. = Commento
Tipo = Tipologia
F = Membranale e Flessionale
M = Membranale
W-RC = Winkler resistente solo a compressione
W-RTC = Winkler resistente a trazione e a compressione
Uso = Utilizzo
G = Generico
P = Parete
S = Soletta/Platea
N = Nucleo
M = Muratura ordinaria
L = Pilastro
MA = Muratura armata
Mat. = Numero del materiale
Crit. = Numero del criterio di progetto
Spess. = Spessore
Kt = Coeff. di sottofondo su suolo elastico alla Winkler

Tb	Comm.	Tipo	Uso	Mat.	Crit.	Spess. <cm>	Kt <daN/cmc>
2	Pareti sp.20cm	F	N	1	1	20.00	
3	Soletta 20cm	F	G	1	3	20.00	
5	Platea sp.45cm	W-RTC	S	1	1	45.00	2.50

Elenco elementi bidimensionali

Simbologia
Bid. = Numero del muro/elemento bidimensionale
Tb = Numero del tipo muro/elemento bidimensionale
FF = Filo fisso
Dy1 = Scost. filo fisso Y1
Dy2 = Scost. filo fisso Y2
Kt = Coeff. di sottofondo su suolo elastico alla Winkler
NN = Nodi

Bid.	Tb	FF	Dy1 <cm>	Dy2 <cm>	Kt <daN/cmc>	NN
103	2	22	0.00	0.00		-67 -68 -78 -77
103	2	22	0.00	0.00		-73 -74 -84 -83
103	2	22	0.00	0.00		-69 -72 -82 -81
103	2	22	0.00	0.00		-106 -105 -110 -113
103	2	22	0.00	0.00		-117 -118 -125 -124
103	2	22	0.00	0.00		-46 -47 -57 -56
103	2	22	0.00	0.00		-66 -67 -77 -76
103	2	22	0.00	0.00		-76 -77 -97 -92
103	2	22	0.00	0.00		-113 -114 -121 -118
103	2	22	0.00	0.00		-123 -124 -131 -130
103	2	22	0.00	0.00		-114 -115 -122 -121
103	2	22	0.00	0.00		-109 -110 -117 -116
103	2	22	0.00	0.00		-113 -110 -117 -118
103	2	22	0.00	0.00		-78 -81 -105 -102
103	2	22	0.00	0.00		-75 -76 -92 -87
103	2	22	0.00	0.00		-81 -82 -106 -105
103	2	22	0.00	0.00		-72 -73 -83 -82
103	2	22	0.00	0.00		-47 -48 -58 -57
103	2	22	0.00	0.00		-12 -17 -48 -47
103	2	22	0.00	0.00		-27 -32 -51 -50
103	2	22	0.00	0.00		-60 -63 -73 -72
103	2	22	0.00	0.00		-58 -59 -69 -68
103	2	22	0.00	0.00		-63 -64 -74 -73
103	2	22	0.00	0.00		-17 -22 -49 -48
103	2	22	0.00	0.00		-65 -66 -76 -75
103	2	22	0.00	0.00		-2 -7 -46 -45
104	3	33	0.00	0.00		-102 -110 -111 -103
104	3	33	0.00	0.00		-119 -127 -128 -120
104	3	33	0.00	0.00		-110 -118 -119 -111
104	3	33	0.00	0.00		-126 -134 -135 -127
105	3	11	0.00	0.00		-79 -100 -101 -80
105	3	11	0.00	0.00		-53 -62 -63 -54
105	3	11	0.00	0.00		-61 -70 -71 -62
105	3	11	0.00	0.00		-70 -79 -80 -71
106	2	33	0.00	0.00		-35 -36 -53 -52
401	5	11	0.00	0.00	2.50	-28 -29 -34 -33
401	5	11	0.00	0.00	2.50	-7 -8 -13 -12
401	5	33	0.00	0.00	2.50	-42 -37 -36 -41
401	5	11	0.00	0.00	2.50	-23 -24 -29 -28
401	5	11	0.00	0.00	2.50	-21 -22 -27 -26
401	5	11	0.00	0.00	2.50	-137 -2 -7 -6
401	5	11	0.00	0.00	2.50	-37 -38 -43 -42

Bid.	Tb	FF	Dy1 <cm>	Dy2 <cm>	Kt <daN/cmc>	NN
103	2	22	0.00	0.00		-68 -69 -81 -78
103	2	22	0.00	0.00		-49 -50 -60 -59
103	2	22	0.00	0.00		-55 -56 -66 -65
103	2	22	0.00	0.00		-57 -58 -68 -67
103	2	22	0.00	0.00		-7 -12 -47 -46
103	2	22	0.00	0.00		-22 -27 -50 -49
103	2	22	0.00	0.00		-56 -57 -67 -66
103	2	22	0.00	0.00		-116 -117 -124 -123
103	2	22	0.00	0.00		-121 -122 -129 -126
103	2	22	0.00	0.00		-126 -129 -134 -133
103	2	22	0.00	0.00		-124 -125 -132 -131
103	2	22	0.00	0.00		-105 -102 -109 -110
103	2	22	0.00	0.00		-83 -84 -108 -107
103	2	22	0.00	0.00		-77 -78 -102 -97
103	2	22	0.00	0.00		-82 -83 -107 -106
103	2	22	0.00	0.00		-106 -107 -114 -113
103	2	22	0.00	0.00		-48 -49 -59 -58
103	2	22	0.00	0.00		-45 -46 -56 -55
103	2	22	0.00	0.00		-59 -60 -72 -69
103	2	22	0.00	0.00		-125 -126 -133 -132
103	2	22	0.00	0.00		-50 -51 -63 -60
103	2	22	0.00	0.00		-121 -118 -125 -126
103	2	22	0.00	0.00		-32 -37 -54 -51
103	2	22	0.00	0.00		-107 -108 -115 -114
103	2	22	0.00	0.00		-51 -54 -64 -63
104	3	33	0.00	0.00		-127 -135 -136 -128
104	3	33	0.00	0.00		-111 -119 -120 -112
104	3	33	0.00	0.00		-118 -126 -127 -119
104	3	33	0.00	0.00		-103 -111 -112 -104
105	3	11	0.00	0.00		-71 -80 -81 -72
105	3	11	0.00	0.00		-62 -71 -72 -63
105	3	11	0.00	0.00		-80 -101 -102 -81
105	3	11	0.00	0.00		-52 -61 -62 -53
106	2	33	0.00	0.00		-36 -37 -54 -53
401	5	11	0.00	0.00	2.50	-22 -23 -28 -27
401	5	33	0.00	0.00	2.50	-32 -31 -36 -37
401	5	11	0.00	0.00	2.50	-6 -7 -12 -11
401	5	11	0.00	0.00	2.50	-18 -19 -24 -23
401	5	11	0.00	0.00	2.50	-20 -21 -26 -25
401	5	11	0.00	0.00	2.50	-8 -9 -14 -13
401	5	11	0.00	0.00	2.50	-27 -28 -33 -32
401	5	11	0.00	0.00	2.50	-35 -36 -41 -40

401	5	11	0.00	0.00	2.50	-30 -31 -36 -35
401	5	11	0.00	0.00	2.50	-12 -13 -18 -17
401	5	11	0.00	0.00	2.50	-10 -11 -16 -15
401	5	11	0.00	0.00	2.50	-17 -18 -23 -22
401	5	11	0.00	0.00	2.50	-15 -16 -21 -20
401	5	11	0.00	0.00	2.50	-26 -27 -32 -31
401	5	11	0.00	0.00	2.50	-32 -33 -38 -37
401	5	11	0.00	0.00	2.50	-1 -137 -6 -5
401	5	11	0.00	0.00	2.50	-34 -39 -38 -33
402	3	11	0.00	0.00		-102 -97 -98 -103
402	3	11	0.00	0.00		-92 -93 -98 -97
402	3	11	0.00	0.00		-95 -90 -91 -96
402	3	11	0.00	0.00		-87 -88 -93 -92
402	3	11	0.00	0.00		-86 -87 -92 -91
402	3	11	0.00	0.00		-98 -99 -104 -103

401	5	11	0.00	0.00	2.50	-13 -14 -19 -18
401	5	11	0.00	0.00	2.50	-11 -12 -17 -16
401	5	11	0.00	0.00	2.50	-3 -4 -9 -8
401	5	11	0.00	0.00	2.50	-16 -17 -22 -21
401	5	11	0.00	0.00	2.50	-25 -26 -31 -30
401	5	11	0.00	0.00	2.50	-5 -6 -11 -10
401	5	11	0.00	0.00	2.50	-2 -3 -8 -7
401	5	11	0.00	0.00	2.50	-38 -39 -44 -43
402	3	11	0.00	0.00		-91 -92 -97 -96
402	3	11	0.00	0.00		-100 -95 -96 -101
402	3	11	0.00	0.00		-93 -94 -99 -98
402	3	11	0.00	0.00		-96 -97 -102 -101
402	3	11	0.00	0.00		-85 -86 -91 -90
402	3	11	0.00	0.00		-88 -89 -94 -93

Carichi

Condizioni di carico elementari

Simbologia

CCE = Numero della condizione di carico elementare
Comm. = Commento
Mx = Moltiplicatore della massa in dir. X
My = Moltiplicatore della massa in dir. Y
Mz = Moltiplicatore della massa in dir. Z
Jpx = Moltiplicatore del momento d'inerzia intorno all'asse X
Jpy = Moltiplicatore del momento d'inerzia intorno all'asse Y
Jpz = Moltiplicatore del momento d'inerzia intorno all'asse Z
Tipo CCE = Tipo di CCE per calcolo agli stati limite
Sicurezza = Contributo alla sicurezza
  F = a favore
  S = a sfavore
  A = ambigua
Variabilità = Tipo di variabilità
  B = di base
  I = indipendente
  A = ambigua

CCE	Comm.	Mx	My	Mz	Jpx	Jpy	Jpz	Tipo CCE	Sicurezza	Variabilità
1	PS	1.00	1.00	0.00	0.00	0.00	1.00	1 D.M. 08 Permanenti strutturali	S	--
2	PNS	1.00	1.00	0.00	0.00	0.00	1.00	2 D.M. 08 Permanenti non strutturali	S	--
3	ACC RES	1.00	1.00	0.00	0.00	0.00	1.00	3 D.M. 08 Variabili Categoria A Ambienti ad uso residenziale	S	B

Elenco carichi elementi bidimensionali
Condizione di carico n. 1: PS
Carichi uniformi

Simbologia

Bid. = Numero del muro/elemento bidimensionale
N1 = Nodo1
N2 = Nodo2
N3 = Nodo3
N4 = Nodo4
T = Tipo di carico
  PP = Peso proprio
  M = Manuale
DC = Direzione del carico
  G = secondo gli assi globali
  L = secondo gli assi locali
Qx = Carico in dir. X
Qy = Carico in dir. Y
Qz = Carico in dir. Z

Bid.	N1	N2	N3	N4	T	DC	Qx <daN/mq>	Qy <daN/mq>	Qz <daN/mq>
103	-67	-68	-78	-77	PP	G	0.00	0.00	500.00
103	-68	-69	-81	-78	PP	G	0.00	0.00	500.00
103	-73	-74	-84	-83	PP	G	0.00	0.00	500.00
103	-49	-50	-60	-59	PP	G	0.00	0.00	500.00
103	-69	-72	-82	-81	PP	G	0.00	0.00	500.00
103	-55	-56	-66	-65	PP	G	0.00	0.00	500.00
103	-106	-105	-110	-113	PP	G	0.00	0.00	500.00
103	-57	-58	-68	-67	PP	G	0.00	0.00	500.00
103	-117	-118	-125	-124	PP	G	0.00	0.00	500.00
103	-7	-12	-47	-46	PP	G	0.00	0.00	500.00
103	-46	-47	-57	-56	PP	G	0.00	0.00	500.00
103	-22	-27	-50	-49	PP	G	0.00	0.00	500.00
103	-66	-67	-77	-76	PP	G	0.00	0.00	500.00
103	-56	-57	-67	-66	PP	G	0.00	0.00	500.00

103	-76	-77	-97	-92	PP	G	0.00	0.00	500.00
103	-116	-117	-124	-123	PP	G	0.00	0.00	500.00
103	-113	-114	-121	-118	PP	G	0.00	0.00	500.00
103	-121	-122	-129	-126	PP	G	0.00	0.00	500.00
103	-123	-124	-131	-130	PP	G	0.00	0.00	500.00
103	-126	-129	-134	-133	PP	G	0.00	0.00	500.00
103	-114	-115	-122	-121	PP	G	0.00	0.00	500.00
103	-124	-125	-132	-131	PP	G	0.00	0.00	500.00
103	-109	-110	-117	-116	PP	G	0.00	0.00	500.00
103	-105	-102	-109	-110	PP	G	0.00	0.00	500.00
103	-113	-110	-117	-118	PP	G	0.00	0.00	500.00
103	-83	-84	-108	-107	PP	G	0.00	0.00	500.00
103	-78	-81	-105	-102	PP	G	0.00	0.00	500.00
103	-77	-78	-102	-97	PP	G	0.00	0.00	500.00
103	-75	-76	-92	-87	PP	G	0.00	0.00	500.00
103	-82	-83	-107	-106	PP	G	0.00	0.00	500.00
103	-81	-82	-106	-105	PP	G	0.00	0.00	500.00
103	-106	-107	-114	-113	PP	G	0.00	0.00	500.00
103	-72	-73	-83	-82	PP	G	0.00	0.00	500.00
103	-48	-49	-59	-58	PP	G	0.00	0.00	500.00
103	-47	-48	-58	-57	PP	G	0.00	0.00	500.00
103	-45	-46	-56	-55	PP	G	0.00	0.00	500.00
103	-12	-17	-48	-47	PP	G	0.00	0.00	500.00
103	-59	-60	-72	-69	PP	G	0.00	0.00	500.00
103	-27	-32	-51	-50	PP	G	0.00	0.00	500.00
103	-125	-126	-133	-132	PP	G	0.00	0.00	500.00
103	-60	-63	-73	-72	PP	G	0.00	0.00	500.00
103	-50	-51	-63	-60	PP	G	0.00	0.00	500.00
103	-58	-59	-69	-68	PP	G	0.00	0.00	500.00
103	-121	-118	-125	-126	PP	G	0.00	0.00	500.00
103	-63	-64	-74	-73	PP	G	0.00	0.00	500.00
103	-32	-37	-54	-51	PP	G	0.00	0.00	500.00
103	-17	-22	-49	-48	PP	G	0.00	0.00	500.00
103	-107	-108	-115	-114	PP	G	0.00	0.00	500.00
103	-65	-66	-76	-75	PP	G	0.00	0.00	500.00
103	-51	-54	-64	-63	PP	G	0.00	0.00	500.00
103	-2	-7	-46	-45	PP	G	0.00	0.00	500.00
104	-127	-135	-136	-128	PP	G	0.00	0.00	500.00
104	-102	-110	-111	-103	PP	G	0.00	0.00	500.00
104	-111	-119	-120	-112	PP	G	0.00	0.00	500.00
104	-119	-127	-128	-120	PP	G	0.00	0.00	500.00
104	-118	-126	-127	-119	PP	G	0.00	0.00	500.00
104	-110	-118	-119	-111	PP	G	0.00	0.00	500.00
104	-103	-111	-112	-104	PP	G	0.00	0.00	500.00
104	-126	-134	-135	-127	PP	G	0.00	0.00	500.00
105	-71	-80	-81	-72	PP	G	0.00	0.00	500.00
105	-79	-100	-101	-80	PP	G	0.00	0.00	500.00
105	-62	-71	-72	-63	PP	G	0.00	0.00	500.00
105	-53	-62	-63	-54	PP	G	0.00	0.00	500.00
105	-80	-101	-102	-81	PP	G	0.00	0.00	500.00
105	-61	-70	-71	-62	PP	G	0.00	0.00	500.00
105	-52	-61	-62	-53	PP	G	0.00	0.00	500.00
105	-70	-79	-80	-71	PP	G	0.00	0.00	500.00
106	-36	-37	-54	-53	PP	G	0.00	0.00	500.00
106	-35	-36	-53	-52	PP	G	0.00	0.00	500.00
401	-22	-23	-28	-27	PP	G	0.00	0.00	1125.00
401	-28	-29	-34	-33	PP	G	0.00	0.00	1125.00
401	-32	-31	-36	-37	PP	G	0.00	0.00	1125.00
401	-7	-8	-13	-12	PP	G	0.00	0.00	1125.00
401	-6	-7	-12	-11	PP	G	0.00	0.00	1125.00
401	-42	-37	-36	-41	PP	G	0.00	0.00	1125.00
401	-18	-19	-24	-23	PP	G	0.00	0.00	1125.00
401	-23	-24	-29	-28	PP	G	0.00	0.00	1125.00
401	-20	-21	-26	-25	PP	G	0.00	0.00	1125.00
401	-21	-22	-27	-26	PP	G	0.00	0.00	1125.00
401	-8	-9	-14	-13	PP	G	0.00	0.00	1125.00
401	-137	-2	-7	-6	PP	G	0.00	0.00	1125.00
401	-27	-28	-33	-32	PP	G	0.00	0.00	1125.00
401	-37	-38	-43	-42	PP	G	0.00	0.00	1125.00
401	-35	-36	-41	-40	PP	G	0.00	0.00	1125.00
401	-30	-31	-36	-35	PP	G	0.00	0.00	1125.00
401	-13	-14	-19	-18	PP	G	0.00	0.00	1125.00
401	-12	-13	-18	-17	PP	G	0.00	0.00	1125.00
401	-11	-12	-17	-16	PP	G	0.00	0.00	1125.00
401	-10	-11	-16	-15	PP	G	0.00	0.00	1125.00
401	-3	-4	-9	-8	PP	G	0.00	0.00	1125.00
401	-17	-18	-23	-22	PP	G	0.00	0.00	1125.00
401	-16	-17	-22	-21	PP	G	0.00	0.00	1125.00
401	-15	-16	-21	-20	PP	G	0.00	0.00	1125.00

401	-25	-26	-31	-30	PP	G	0.00	0.00	1125.00
401	-26	-27	-32	-31	PP	G	0.00	0.00	1125.00
401	-5	-6	-11	-10	PP	G	0.00	0.00	1125.00
401	-32	-33	-38	-37	PP	G	0.00	0.00	1125.00
401	-2	-3	-8	-7	PP	G	0.00	0.00	1125.00
401	-1	-137	-6	-5	PP	G	0.00	0.00	1125.00
401	-38	-39	-44	-43	PP	G	0.00	0.00	1125.00
401	-34	-39	-38	-33	PP	G	0.00	0.00	1125.00
402	-91	-92	-97	-96	PP	G	0.00	0.00	500.00
402	-102	-97	-98	-103	PP	G	0.00	0.00	500.00
402	-100	-95	-96	-101	PP	G	0.00	0.00	500.00
402	-92	-93	-98	-97	PP	G	0.00	0.00	500.00
402	-93	-94	-99	-98	PP	G	0.00	0.00	500.00
402	-95	-90	-91	-96	PP	G	0.00	0.00	500.00
402	-96	-97	-102	-101	PP	G	0.00	0.00	500.00
402	-87	-88	-93	-92	PP	G	0.00	0.00	500.00
402	-85	-86	-91	-90	PP	G	0.00	0.00	500.00
402	-86	-87	-92	-91	PP	G	0.00	0.00	500.00
402	-88	-89	-94	-93	PP	G	0.00	0.00	500.00
402	-98	-99	-104	-103	PP	G	0.00	0.00	500.00

Elenco carichi elementi bidimensionali
Condizione di carico n. 2: PNS
Carichi uniformi

Bid.	N1	N2	N3	N4	T	DC	Qx <daN/mq>	Qy <daN/mq>	Qz <daN/mq>
104	-127	-135	-136	-128	M	G	0.00	0.00	250.00
104	-102	-110	-111	-103	M	G	0.00	0.00	250.00
104	-111	-119	-120	-112	M	G	0.00	0.00	250.00
104	-119	-127	-128	-120	M	G	0.00	0.00	250.00
104	-118	-126	-127	-119	M	G	0.00	0.00	250.00
104	-110	-118	-119	-111	M	G	0.00	0.00	250.00
104	-103	-111	-112	-104	M	G	0.00	0.00	250.00
104	-126	-134	-135	-127	M	G	0.00	0.00	250.00
105	-71	-80	-81	-72	M	G	0.00	0.00	250.00
105	-79	-100	-101	-80	M	G	0.00	0.00	250.00
105	-62	-71	-72	-63	M	G	0.00	0.00	250.00
105	-53	-62	-63	-54	M	G	0.00	0.00	250.00
105	-80	-101	-102	-81	M	G	0.00	0.00	250.00
105	-61	-70	-71	-62	M	G	0.00	0.00	250.00
105	-52	-61	-62	-53	M	G	0.00	0.00	250.00
105	-70	-79	-80	-71	M	G	0.00	0.00	250.00
401	-22	-23	-28	-27	M	G	0.00	0.00	595.00
401	-28	-29	-34	-33	M	G	0.00	0.00	595.00
401	-32	-31	-36	-37	M	G	0.00	0.00	595.00
401	-7	-8	-13	-12	M	G	0.00	0.00	595.00
401	-6	-7	-12	-11	M	G	0.00	0.00	595.00
401	-42	-37	-36	-41	M	G	0.00	0.00	595.00
401	-18	-19	-24	-23	M	G	0.00	0.00	595.00
401	-23	-24	-29	-28	M	G	0.00	0.00	595.00
401	-20	-21	-26	-25	M	G	0.00	0.00	595.00
401	-21	-22	-27	-26	M	G	0.00	0.00	595.00
401	-8	-9	-14	-13	M	G	0.00	0.00	595.00
401	-137	-2	-7	-6	M	G	0.00	0.00	595.00
401	-27	-28	-33	-32	M	G	0.00	0.00	595.00
401	-37	-38	-43	-42	M	G	0.00	0.00	595.00
401	-35	-36	-41	-40	M	G	0.00	0.00	595.00
401	-30	-31	-36	-35	M	G	0.00	0.00	595.00
401	-13	-14	-19	-18	M	G	0.00	0.00	595.00
401	-12	-13	-18	-17	M	G	0.00	0.00	595.00
401	-11	-12	-17	-16	M	G	0.00	0.00	595.00
401	-10	-11	-16	-15	M	G	0.00	0.00	595.00
401	-3	-4	-9	-8	M	G	0.00	0.00	595.00
401	-17	-18	-23	-22	M	G	0.00	0.00	595.00
401	-16	-17	-22	-21	M	G	0.00	0.00	595.00
401	-15	-16	-21	-20	M	G	0.00	0.00	595.00
401	-25	-26	-31	-30	M	G	0.00	0.00	595.00
401	-26	-27	-32	-31	M	G	0.00	0.00	595.00
401	-5	-6	-11	-10	M	G	0.00	0.00	595.00
401	-32	-33	-38	-37	M	G	0.00	0.00	595.00
401	-2	-3	-8	-7	M	G	0.00	0.00	595.00
401	-1	-137	-6	-5	M	G	0.00	0.00	595.00
401	-38	-39	-44	-43	M	G	0.00	0.00	595.00
401	-34	-39	-38	-33	M	G	0.00	0.00	595.00
402	-91	-92	-97	-96	M	G	0.00	0.00	250.00
402	-102	-97	-98	-103	M	G	0.00	0.00	250.00
402	-100	-95	-96	-101	M	G	0.00	0.00	250.00
402	-92	-93	-98	-97	M	G	0.00	0.00	250.00

402	-93	-94	-99	-98	M	G	0.00	0.00	250.00
402	-95	-90	-91	-96	M	G	0.00	0.00	250.00
402	-96	-97	-102	-101	M	G	0.00	0.00	250.00
402	-87	-88	-93	-92	M	G	0.00	0.00	250.00
402	-85	-86	-91	-90	M	G	0.00	0.00	250.00
402	-86	-87	-92	-91	M	G	0.00	0.00	250.00
402	-88	-89	-94	-93	M	G	0.00	0.00	250.00
402	-98	-99	-104	-103	M	G	0.00	0.00	250.00

Elenco carichi elementi bidimensionali
Condizione di carico n. 3: ACC RES
Carichi uniformi

Bid.	N1	N2	N3	N4	T	DC	Qx <daN/mq>	Qy <daN/mq>	Qz <daN/mq>
104	-127	-135	-136	-128	M	G	0.00	0.00	300.00
104	-102	-110	-111	-103	M	G	0.00	0.00	300.00
104	-111	-119	-120	-112	M	G	0.00	0.00	300.00
104	-119	-127	-128	-120	M	G	0.00	0.00	300.00
104	-118	-126	-127	-119	M	G	0.00	0.00	300.00
104	-110	-118	-119	-111	M	G	0.00	0.00	300.00
104	-103	-111	-112	-104	M	G	0.00	0.00	300.00
104	-126	-134	-135	-127	M	G	0.00	0.00	300.00
105	-71	-80	-81	-72	M	G	0.00	0.00	300.00
105	-79	-100	-101	-80	M	G	0.00	0.00	300.00
105	-62	-71	-72	-63	M	G	0.00	0.00	300.00
105	-53	-62	-63	-54	M	G	0.00	0.00	300.00
105	-80	-101	-102	-81	M	G	0.00	0.00	300.00
105	-61	-70	-71	-62	M	G	0.00	0.00	300.00
105	-52	-61	-62	-53	M	G	0.00	0.00	300.00
105	-70	-79	-80	-71	M	G	0.00	0.00	300.00
401	-22	-23	-28	-27	M	G	0.00	0.00	300.00
401	-28	-29	-34	-33	M	G	0.00	0.00	300.00
401	-32	-31	-36	-37	M	G	0.00	0.00	300.00
401	-7	-8	-13	-12	M	G	0.00	0.00	300.00
401	-6	-7	-12	-11	M	G	0.00	0.00	300.00
401	-42	-37	-36	-41	M	G	0.00	0.00	300.00
401	-18	-19	-24	-23	M	G	0.00	0.00	300.00
401	-23	-24	-29	-28	M	G	0.00	0.00	300.00
401	-20	-21	-26	-25	M	G	0.00	0.00	300.00
401	-21	-22	-27	-26	M	G	0.00	0.00	300.00
401	-8	-9	-14	-13	M	G	0.00	0.00	300.00
401	-137	-2	-7	-6	M	G	0.00	0.00	300.00
401	-27	-28	-33	-32	M	G	0.00	0.00	300.00
401	-37	-38	-43	-42	M	G	0.00	0.00	300.00
401	-35	-36	-41	-40	M	G	0.00	0.00	300.00
401	-30	-31	-36	-35	M	G	0.00	0.00	300.00
401	-13	-14	-19	-18	M	G	0.00	0.00	300.00
401	-12	-13	-18	-17	M	G	0.00	0.00	300.00
401	-11	-12	-17	-16	M	G	0.00	0.00	300.00
401	-10	-11	-16	-15	M	G	0.00	0.00	300.00
401	-3	-4	-9	-8	M	G	0.00	0.00	300.00
401	-17	-18	-23	-22	M	G	0.00	0.00	300.00
401	-16	-17	-22	-21	M	G	0.00	0.00	300.00
401	-15	-16	-21	-20	M	G	0.00	0.00	300.00
401	-25	-26	-31	-30	M	G	0.00	0.00	300.00
401	-26	-27	-32	-31	M	G	0.00	0.00	300.00
401	-5	-6	-11	-10	M	G	0.00	0.00	300.00
401	-32	-33	-38	-37	M	G	0.00	0.00	300.00
401	-2	-3	-8	-7	M	G	0.00	0.00	300.00
401	-1	-137	-6	-5	M	G	0.00	0.00	300.00
401	-38	-39	-44	-43	M	G	0.00	0.00	300.00
401	-34	-39	-38	-33	M	G	0.00	0.00	300.00
402	-91	-92	-97	-96	M	G	0.00	0.00	300.00
402	-102	-97	-98	-103	M	G	0.00	0.00	300.00
402	-100	-95	-96	-101	M	G	0.00	0.00	300.00
402	-92	-93	-98	-97	M	G	0.00	0.00	300.00
402	-93	-94	-99	-98	M	G	0.00	0.00	300.00
402	-95	-90	-91	-96	M	G	0.00	0.00	300.00
402	-96	-97	-102	-101	M	G	0.00	0.00	300.00
402	-87	-88	-93	-92	M	G	0.00	0.00	300.00
402	-85	-86	-91	-90	M	G	0.00	0.00	300.00
402	-86	-87	-92	-91	M	G	0.00	0.00	300.00
402	-88	-89	-94	-93	M	G	0.00	0.00	300.00
402	-98	-99	-104	-103	M	G	0.00	0.00	300.00

Risultati del calcolo

Parametri di calcolo

La modellazione della struttura e la rielaborazione dei risultati del calcolo sono stati effettuati con:
ModeSt ver. 8.11, prodotto da Tecnisoft s.a.s. - Prato

La struttura è stata calcolata utilizzando come solutore agli elementi finiti:
Xfinest ver. 2014, prodotto da Ce.A.S. S.r.l. - Milano

Tipo di normativa: stati limite D.M. 08
Tipo di calcolo: analisi sismica dinamica
Vincoli esterni: Considera sempre vincoli assegnati in modellazione
Schematizzazione piani rigidi: metodo Master-Slave
Modalità di recupero masse secondarie: trasferire all'impalcato più vicino con modifica XY baricentro

Generazione combinazioni

- Lineari: si
- Valuta spostamenti e non sollecitazioni: no
- Buckling: no

Opzioni di calcolo

- Sono state considerate infinitamente rigide le zone di connessione fra travi, pilastri ed elementi bidimensionali con una riduzione del 20%
- Calcolo con offset rigidi dai nodi: no
- Uniformare i carichi variabili: no
- Massimizzare i carichi variabili: no
- Minimo carico da considerare: 0.00 <daN/m>
- Recupero carichi zone rigide: taglio e momento flettente
- Modalità di combinazione momento torcente: disaccoppiare le azioni

Opzioni del solutore

- Tipo di elemento bidimensionale: QF46
- Calcolo sforzo nei nodi: No
- Trascura deformabilità a taglio delle aste: No
- Analisi dinamica con metodo di Lanczos: Sì
- Check sequenza di Sturm: Sì
- Soluzione matrice con metodo ver. 5.1: No
- Analisi non lineare con Newton modificato: No
- Usa formulazione secante per buckling: No
- Trascura buckling torsionale: No

Dati struttura

- Zona sismica: zona 3
- Sito di costruzione: Via Francesco Donati, 116, 55047 Seravezza LU, Italia LON. 10.22810 LAT. 43.99510
  Contenuto tra ID reticolo: 18934 18712 18935 18713

Simbologia

TCC = Tipo di combinazione di carico
- SLU = Stato limite ultimo
- SLU S = Stato limite ultimo (azione sismica)
- SLE R = Stato limite d'esercizio, combinazione rara
- SLE F = Stato limite d'esercizio, combinazione frequente
- SLE Q = Stato limite d'esercizio, combinazione quasi permanente
- SLD = Stato limite di danno
- SLV = Stato limite di salvaguardia della vita
- SLC = Stato limite di prevenzione del collasso
- SLO = Stato limite di operatività
- SLU I = Stato limite di resistenza al fuoco

T_R = Periodo di ritorno <anni>
Ag = Accelerazione orizzontale massima al sito
FO = Valore massimo del fattore di amplificazione dello spettro in accelerazione orizzontale
TC* = Periodo di inizio del tratto a velocità costante dello spettro in accelerazione orizzontale <sec>
S_S = Coefficiente di amplificazione stratigrafica
C_C = Coefficiente funzione della categoria del suolo

TCC	T_R	Ag <g>	FO	TC*	S_S	C_C
SLD	75	0.0687	2.50	0.26	1.60	1.97
SLV	712	0.1644	2.39	0.30	1.57	1.87

- Edificio esistente: No
- Tipo di opera: Opera ordinaria
- Vita nominale V_N: 50.00
- Classe d'uso: Classe III
- SL Esercizio: SLO-Pvr no, SLD-Pvr 63.00
- SL Ultimi: SLV-Pvr 10.00, SLC-Pvr no
- Classe di duttilità: Classe B
- Quota di riferimento: -1.25 <m>
- Altezza della struttura: 4.81 <m>
- Numero piani edificio: 1

- Coefficiente θ: 0.00
- Edificio regolare in altezza: no
- Edificio regolare in pianta: no
- Forze orizzontali convenzionali per stati limite non sismici: 1.00%
- Genera stati limite per verifiche di resistenza al fuoco: no

Dati di piano

Simbologia
Imp. = Numero dell'impalcato
Lx = Dimensione del piano in dir. X
Ly = Dimensione del piano in dir. Y
Ex = Eccentricità in dir. X
Ey = Eccentricità in dir. Y
Ea = Eccentricità complessiva

Imp.	Lx <m>	Ly <m>	Ex <m>	Ey <m>	Ea <m>
1	1.30	3.00	0.07	0.15	0.16

Dati di calcolo

- Categoria del suolo di fondazione: E
- Tipologia edificio: c.a. a pendolo inverso

Coeff. C_1: 0.05
Periodo T_1: 0.19312
Coeff. λ SLD: 1.00
Coeff. λ SLV: 1.00
Rapporto di sovraresistenza (α_u/α_1): --
Valore di riferimento del fattore di struttura (q_0): 1.50
Fattore riduttivo (K_w): 1.00
Fattore riduttivo regolarità in altezza (KR): 0.80
Fattore di struttura (q): 1.20

- Categoria topografica: T2 - Pendii con inclinazione media i > 15°
- Coeff. amplificazione topografica S_T: 1.20
- Fattore di struttura per sisma verticale (qv): 1.50
- Modalità di calcolo modi di vibrare: Autovalori
- Numero modi: 3
- Modi da considerare: tali da movimentare una percentuale di massa pari a 85.00%
- Trascura modi con massa movimentata minore di: no
- Smorzamento spettro: 5.00%

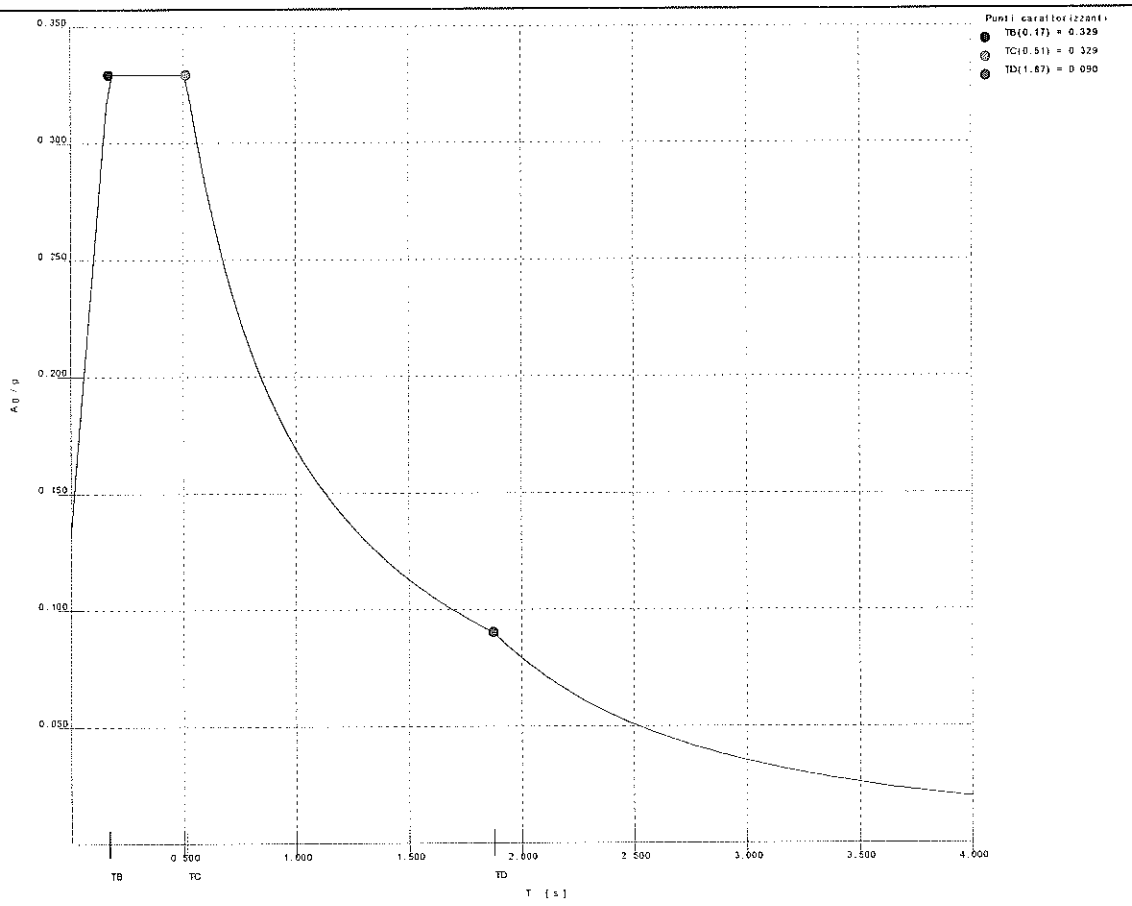


Figura numero 1: Spettro SLD

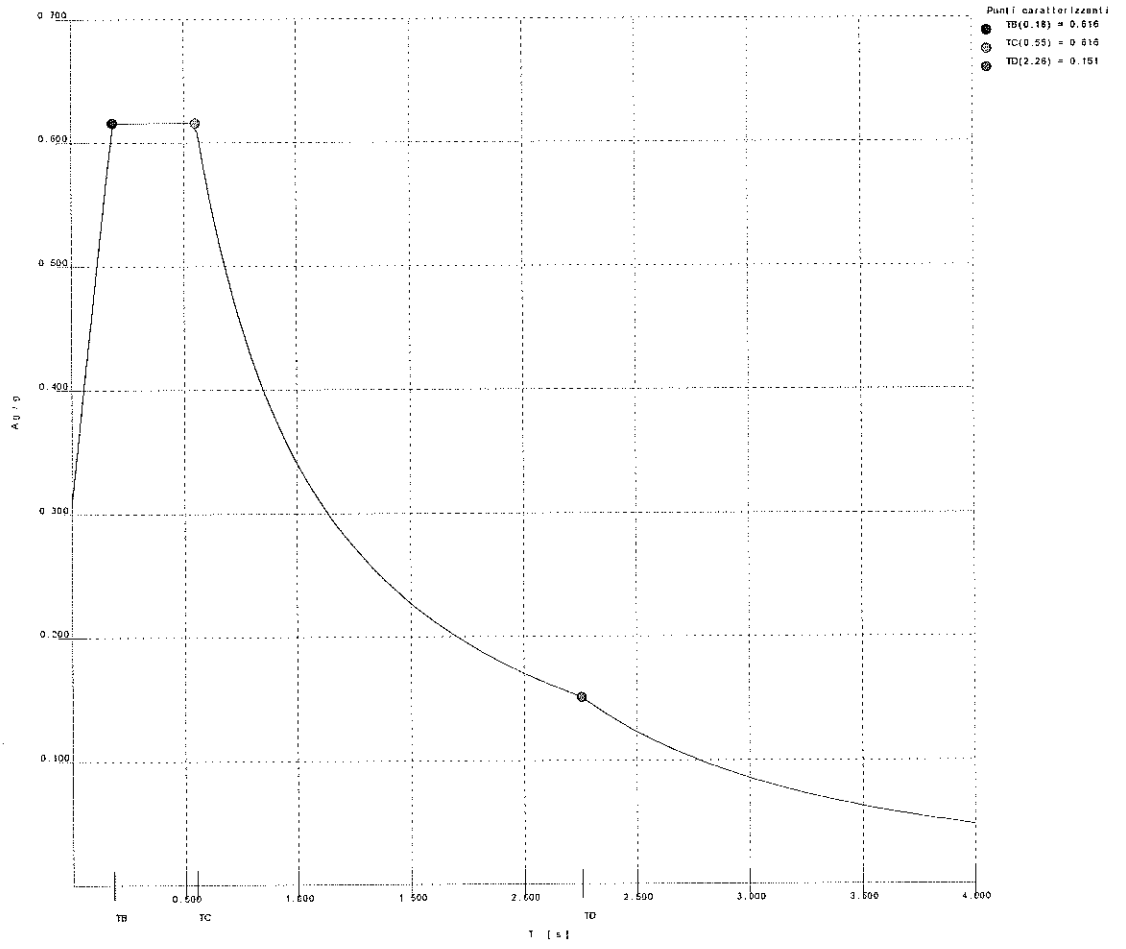


Figura numero 2: Spettro SLV

- Angolo di ingresso del sisma: 0.00 <grad>

Condizioni di carico elementari

Simbologia

CCE = Numero della condizione di carico elementare
Comm. = Commento
Mx = Moltiplicatore della massa in dir. X
My = Moltiplicatore della massa in dir. Y
Mz = Moltiplicatore della massa in dir. Z
Jpx = Moltiplicatore del momento d'inerzia intorno all'asse X
Jpy = Moltiplicatore del momento d'inerzia intorno all'asse Y
Jpz = Moltiplicatore del momento d'inerzia intorno all'asse Z
Tipo CCE = Tipo di CCE per calcolo agli stati limite
Sicurezza = Contributo alla sicurezza
  F = a favore
  S = a sfavore
  A = ambigua
Variabilità = Tipo di variabilità
  B = di base
  I = indipendente
  A = ambigua

CCE	Comm.	Mx	My	Mz	Jpx	Jpy	Jpz	Tipo CCE	Sicurezza	Variabilità
1	PS	1.00	1.00	0.00	0.00	0.00	1.00	1	S	--
2	PNS	1.00	1.00	0.00	0.00	0.00	1.00	2	S	--
3	ACC RES	1.00	1.00	0.00	0.00	0.00	1.00	3	S	B

Elenco tipi cce definiti

Simbologia

Tipo CCE = Tipo condizione di carico elementare
Comm. = Commento
Tipo = Tipologia
  G = Permanente
  Q = Variabile
  I = Da ignorare
  A = Azione eccezionale
  P = Precompressione
Durata = Durata del carico
  N = Non definita
  P = Permanente
  L = Lunga
  M = Media
  B = Breve
  I = Istantanea
γ min. = Coeff. $\gamma_{min.}$
γ max = Coeff. γ_{max}
ψ_0 = Coeff. ψ_0
ψ_1 = Coeff. ψ_1
ψ_2 = Coeff. ψ_2
$\psi_{0,s}$ = Coeff. ψ_0 sismico (D.M. 96)

Tipo CCE	Comm.	Tipo	Durata	γ min.	γ max	ψ_0	ψ_1	ψ_2	$\psi_{0,s}$
1	D.M. 08 Permanenti strutturali	G	N	1.00	1.30				
2	D.M. 08 Permanenti non strutturali	G	N	0.00	1.30				
3	D.M. 08 Variabili Categoria A Ambienti ad uso residenziale	Q	N	0.00	1.50	0.70	0.50	0.30	0.00

Ambienti di carico

Simbologia

N Numero
Comm. Commento
1 PS
2 PNS
3 ACC RES
F azioni orizzontali convenzionali
SLU Stato limite ultimo
SLR Stato limite per combinazioni rare
SLF Stato limite per combinazioni frequenti
SLQ\D Stato limite per combinazioni quasi permanenti o di danno

N	Comm.	1	2	3	F	S	SLU	SLR	SLF	SLQ
1	Calcolo sismico	si	si	si	no	si	si	no	no	no
2	Calcolo statico	si	si	si	si	no	si	si	si	si

Elenco combinazioni di carico simboliche

Simbologia
CC = Numero della combinazione delle condizioni di carico elementari
Comm. = Commento
TCC = Tipo di combinazione di carico
SLU = Stato limite ultimo
SLU S = Stato limite ultimo (azione sismica)
SLE R = Stato limite d'esercizio, combinazione rara
SLE F = Stato limite d'esercizio, combinazione frequente
SLE Q = Stato limite d'esercizio, combinazione quasi permanente
SLD = Stato limite di danno
SLV = Stato limite di salvaguardia della vita
SLC = Stato limite di prevenzione del collasso
SLO = Stato limite di operatività
SLU I = Stato limite di resistenza al fuoco

CC	Comm.	TCC	1	2	3	F	S
1	Amb. 1 (Sisma)	SLU S	1	1	ψ_2	-----	1
2	Amb. 2 (SLU)	SLU	γ max	γ max	γ max	1	-----
3	Amb. 2 (SLE R)	SLE R	1	1	1	1	-----
4	Amb. 2 (SLE F)	SLE F	1	1	ψ_1	1	-----
5	Amb. 2 (SLE Q)	SLE Q	1	1	ψ_2	1	-----

Genera le combinazioni con un solo carico di tipo variabile come di base: no

Considera sollecitazioni dinamiche con segno dei modi principali: no

Combinazioni delle cce

Simbologia
CC = Numero della combinazione delle condizioni di carico elementari
Comm. = Commento
TCC = Tipo di combinazione di carico
SLU = Stato limite ultimo
SLU S = Stato limite ultimo (azione sismica)
SLE R = Stato limite d'esercizio, combinazione rara
SLE F = Stato limite d'esercizio, combinazione frequente
SLE Q = Stato limite d'esercizio, combinazione quasi permanente
SLD = Stato limite di danno
SLV = Stato limite di salvaguardia della vita
SLC = Stato limite di prevenzione del collasso
SLO = Stato limite di operatività
SLU I = Stato limite di resistenza al fuoco
An. = Tipo di analisi
L = Lineare
NL = Non lineare
Bk = Buckling
S = Si
N = No

CC	Comm.	TCC	An.	Bk	1	2	3	F X	F Y	Mt	±S X	±S Y
1	CC 1 - Amb. 1 (SLU S) S Mt+X+0.3Y	SLV	L	N	1.00	1.00	0.30	0.00	0.00	1.00	1.00	0.30
2	CC 2 - Amb. 1 (SLE) S Mt+X+0.3Y	SLD	L	N	1.00	1.00	0.30	0.00	0.00	1.00	1.00	0.30
3	CC 3 - Amb. 1 (SLU S) S Mt+X-0.3Y	SLV	L	N	1.00	1.00	0.30	0.00	0.00	1.00	1.00	-0.30
4	CC 4 - Amb. 1 (SLE) S Mt+X-0.3Y	SLD	L	N	1.00	1.00	0.30	0.00	0.00	1.00	1.00	-0.30
5	CC 5 - Amb. 1 (SLU S) S Mt+0.3X+Y	SLV	L	N	1.00	1.00	0.30	0.00	0.00	1.00	0.30	1.00
6	CC 6 - Amb. 1 (SLE) S Mt+0.3X+Y	SLD	L	N	1.00	1.00	0.30	0.00	0.00	1.00	0.30	1.00
7	CC 7 - Amb. 1 (SLU S) S Mt-0.3X+Y	SLV	L	N	1.00	1.00	0.30	0.00	0.00	1.00	-0.30	1.00
8	CC 8 - Amb. 1 (SLE) S Mt-0.3X+Y	SLD	L	N	1.00	1.00	0.30	0.00	0.00	1.00	-0.30	1.00
9	CC 9 - Amb. 1 (SLU S) S -Mt+X+0.3Y	SLV	L	N	1.00	1.00	0.30	0.00	0.00	-1.00	1.00	0.30
10	CC 10 - Amb. 1 (SLE) S -Mt+X+0.3Y	SLD	L	N	1.00	1.00	0.30	0.00	0.00	-1.00	1.00	0.30
11	CC 11 - Amb. 1 (SLU S) S -Mt+X-0.3Y	SLV	L	N	1.00	1.00	0.30	0.00	0.00	-1.00	1.00	-0.30
12	CC 12 - Amb. 1 (SLE) S -Mt+X-0.3Y	SLD	L	N	1.00	1.00	0.30	0.00	0.00	-1.00	1.00	-0.30
13	CC 13 - Amb. 1 (SLU S) S -Mt+0.3X+Y	SLV	L	N	1.00	1.00	0.30	0.00	0.00	-1.00	0.30	1.00
14	CC 14 - Amb. 1 (SLE) S -Mt+0.3X+Y	SLD	L	N	1.00	1.00	0.30	0.00	0.00	-1.00	0.30	1.00
15	CC 15 - Amb. 1 (SLU S) S -Mt-0.3X+Y	SLV	L	N	1.00	1.00	0.30	0.00	0.00	-1.00	-0.30	1.00
16	CC 16 - Amb. 1 (SLE) S -Mt-0.3X+Y	SLD	L	N	1.00	1.00	0.30	0.00	0.00	-1.00	-0.30	1.00
17	CC 17 - Amb. 2 (SLU) F X	SLU	L	N	1.30	1.30	1.50	1.00	0.00	0.00	0.00	0.00
18	CC 18 - Amb. 2 (SLU) F -X	SLU	L	N	1.30	1.30	1.50	-1.00	0.00	0.00	0.00	0.00
19	CC 19 - Amb. 2 (SLU) F Y	SLU	L	N	1.30	1.30	1.50	0.00	1.00	0.00	0.00	0.00
20	CC 20 - Amb. 2 (SLU) F -Y	SLU	L	N	1.30	1.30	1.50	0.00	-1.00	0.00	0.00	0.00
21	CC 21 - Amb. 2 (SLE R) F X	SLE R	L	N	1.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00
22	CC 22 - Amb. 2 (SLE R) F -X	SLE R	L	N	1.00	1.00	1.00	-1.00	0.00	0.00	0.00	0.00
23	CC 23 - Amb. 2 (SLE R) F Y	SLE R	L	N	1.00	1.00	1.00	0.00	1.00	0.00	0.00	0.00
24	CC 24 - Amb. 2 (SLE R) F -Y	SLE R	L	N	1.00	1.00	1.00	0.00	-1.00	0.00	0.00	0.00
25	CC 25 - Amb. 2 (SLE F) F X	SLE F	L	N	1.00	1.00	0.50	1.00	0.00	0.00	0.00	0.00
26	CC 26 - Amb. 2 (SLE F) F -X	SLE F	L	N	1.00	1.00	0.50	-1.00	0.00	0.00	0.00	0.00
27	CC 27 - Amb. 2 (SLE F) F Y	SLE F	L	N	1.00	1.00	0.50	0.00	1.00	0.00	0.00	0.00
28	CC 28 - Amb. 2 (SLE F) F -Y	SLE F	L	N	1.00	1.00	0.50	0.00	-1.00	0.00	0.00	0.00
29	CC 29 - Amb. 2 (SLE Q) F X	SLE Q	L	N	1.00	1.00	0.30	1.00	0.00	0.00	0.00	0.00

30	CC 30 - Amb. 2 (SLE Q) F -X	SLE Q	L	N	1.00	1.00	0.30	-1.00	0.00	0.00	0.00	0.00
31	CC 31 - Amb. 2 (SLE Q) F Y	SLE Q	L	N	1.00	1.00	0.30	0.00	1.00	0.00	0.00	0.00
32	CC 32 - Amb. 2 (SLE Q) F -Y	SLE Q	L	N	1.00	1.00	0.30	0.00	-1.00	0.00	0.00	0.00

Elenco baricentri e masse impalcati

Simbologia
Imp. = Numero dell'impalcato
X = Coordinata X
Y = Coordinata Y
Z = Coordinata Z
Mo = Massa orizzontale
Jpz = Momento d'inerzia polare intorno all'asse Z

Imp.	X <m>	Y <m>	Z <m>	Mo <kg>	Jpz <kg*mq>
1	10.66	17.79	3.56	21396.60	51592.00

Totali masse impalcati

Mo <kg>	Jpz <kg*mq>
21396.60	51592.00

Elenco forze sismiche di impalcato allo SLD

Simbologia
Imp. = Numero dell'impalcato
cx = Coeff. c in dir. X
cy = Coeff. c in dir. Y
Mz = Momento intorno all'asse Z

Imp.	cx	cy	Mz <daNm>
1	1.00	1.00	1130.15

Totali forze sismiche

Mz <daNm>
1130.15

Elenco forze sismiche di impalcato allo SLV

Imp.	cx	cy	Mz <daNm>
1	1.00	1.00	2113.37

Totali forze sismiche

Mz <daNm>
2113.37

Elenco pesi e forze fittizie impalcati

Simbologia
Imp. = Numero dell'impalcato
Peso = Peso
Fx = Forza in dir. X
Fy = Forza in dir. Y

Imp.	Peso <daN>	Fx <daN>	Fy <daN>
1	23890.10	238.90	238.90

Elenco modi di vibrare, masse partecipanti e coefficienti di partecipazione

Simbologia
Modo = Numero del modo di vibrare
C = * indica che il modo è stato considerato
Per. = Periodo
Diff. = Minima differenza percentuale dagli altri periodi
Φ_X = Coefficiente di partecipazione in dir. X
Φ_Y = Coefficiente di partecipazione in dir. Y
Φ_Z = Coefficiente di partecipazione in dir. Z
%Mx = Percentuale massa partecipante in dir. X
%My = Percentuale massa partecipante in dir. Y
%Mz = Percentuale massa partecipante in dir. Z
%Jpz = Percentuale momento d'inerzia polare partecipante intorno all'asse Z

Modo	C	Per.	Diff.	Φx	Φy	Φz	%Mx	%My	%Mz	%Jpz
1	*	0.47	230.04	46.23	1.44	0.00	99.90	0.10	0.00	0.00
2	*	0.14	27.79	-1.44	46.23	0.00	0.10	99.87	0.00	0.04
3	*	0.11	27.79	0.25	-0.90	0.00	0.00	0.04	0.00	99.96
Tot.cons.							100.00	100.00	0.00	100.00

Elenco coefficienti di risposta

Simbologia
Modo = Numero del modo di vibrare
Sx = Coefficiente di risposta (moltiplicato per 100) in dir. X
Sy = Coefficiente di risposta (moltiplicato per 100) in dir. Y

Stato limite di danno

Modo	Sx	Sy
1	32.94	32.94
2	29.50	29.50
3	25.96	25.96

Stato limite di salvaguardia della vita

Modo	Sx	Sy
1	61.59	61.59
2	54.46	54.46
3	49.34	49.34

Spostamenti dei nodi allo stato limite ultimo

Simbologia
Nodo = Numero del nodo
Sx = Spostamento in dir. X
CC = Numero della combinazione delle condizioni di carico elementari
Sy = Spostamento in dir. Y
Sz = Spostamento in dir. Z
Rx = Rotazione intorno all'asse X
Ry = Rotazione intorno all'asse Y
Rz = Rotazione intorno all'asse Z

Nodo		Sx <cm>	CC	Sy <cm>	CC	Sz <cm>	CC	Rx <rad>	CC	Ry <rad>	CC	Rz <rad>	CC
-137	Max	0.00	1	0.00	1	0.20	1	0.00	13	0.00	1	0.00	1
-137	Min.	0.00	1	0.00	1	-0.52	9	0.00	5	-0.00	9	0.00	1
-136	Max	5.36	9	0.46	5	2.00	9	0.00	9	0.02	1	0.00	1
-136	Min.	-5.21	1	-0.52	13	-2.36	1	-0.00	1	-0.02	9	0.00	9
-135	Max	5.36	9	0.45	5	1.27	9	0.00	13	0.02	1	0.00	1
-135	Min.	-5.21	1	-0.52	13	-1.59	1	-0.00	5	-0.02	9	0.00	9
-134	Max	5.36	9	0.44	13	0.07	13	0.00	13	0.02	1	0.00	1
-134	Min.	-5.21	1	-0.51	5	-0.31	5	0.00	5	-0.02	9	0.00	9
-133	Max	5.36	9	0.44	13	-0.01	5	0.00	5	0.02	1	0.00	1
-133	Min.	-5.21	1	-0.51	5	-0.24	13	0.00	13	-0.02	9	0.00	9
-132	Max	5.36	9	0.44	13	-0.09	5	0.00	5	0.02	1	0.00	1
-132	Min.	-5.21	1	-0.51	5	-0.20	19	0.00	13	-0.02	9	0.00	9
-131	Max	5.37	1	0.44	13	-0.10	13	0.00	5	0.02	1	0.00	1
-131	Min.	-5.22	9	-0.51	5	-0.21	20	0.00	13	-0.02	9	0.00	9
-130	Max	5.39	1	0.44	13	-0.03	13	0.00	5	0.02	1	0.00	1
-130	Min.	-5.24	9	-0.51	5	-0.25	5	0.00	13	-0.02	9	0.00	9
-129	Max	4.66	9	0.40	13	0.07	5	0.00	5	0.02	9	0.00	1
-129	Min.	-4.55	1	-0.46	5	-0.31	13	0.00	13	-0.02	1	0.00	9
-128	Max	4.66	9	0.41	5	1.88	9	0.00	9	0.02	1	0.00	1
-128	Min.	-4.55	1	-0.46	13	-2.26	1	-0.00	1	-0.02	9	0.00	9
-127	Max	4.66	9	0.41	5	1.18	9	0.00	9	0.02	1	0.00	1
-127	Min.	-4.55	1	-0.46	13	-1.51	1	-0.00	1	-0.01	9	0.00	9
-126	Max	4.66	9	0.40	13	-0.01	5	0.00	13	0.02	1	0.00	1
-126	Min.	-4.55	1	-0.46	5	-0.24	13	0.00	5	-0.02	9	0.00	9
-125	Max	4.65	9	0.40	13	-0.09	5	0.00	5	0.02	1	0.00	1
-125	Min.	-4.53	1	-0.46	5	-0.20	19	0.00	13	-0.02	9	0.00	9
-124	Max	4.63	9	0.40	13	-0.10	13	0.00	5	0.02	1	0.00	1
-124	Min.	-4.51	1	-0.46	5	-0.21	20	0.00	13	-0.02	9	0.00	9
-123	Max	4.61	1	0.40	13	-0.03	13	0.00	5	0.02	1	0.00	1
-123	Min.	-4.50	9	-0.46	5	-0.25	5	0.00	13	-0.02	9	0.00	9
-122	Max	3.99	9	0.36	13	0.07	5	0.00	13	0.02	9	0.00	1
-122	Min.	-3.91	1	-0.41	5	-0.31	13	0.00	5	-0.01	1	0.00	9
-121	Max	3.98	9	0.36	13	-0.01	5	0.00	5	0.02	9	0.00	1
-121	Min.	-3.91	1	-0.41	5	-0.24	13	0.00	13	-0.01	1	0.00	9
-120	Max	3.96	9	0.36	5	1.76	1	0.00	9	0.02	9	0.00	1
-120	Min.	-3.88	1	-0.40	13	-2.14	9	-0.00	1	-0.01	1	0.00	9
-119	Max	3.96	9	0.36	5	1.08	1	0.00	9	0.02	9	0.00	1
-119	Min.	-3.88	1	-0.40	13	-1.43	9	-0.00	1	-0.01	1	0.00	9

-118	Max	3.96	9	0.36	13	-0.09	5	0.00	5	0.02	9	0.00	1
-118	Min.	-3.88	1	-0.41	5	-0.20	19	0.00	13	-0.01	1	0.00	9
-117	Max	3.91	9	0.36	13	-0.10	13	0.00	5	0.02	1	0.00	1
-117	Min.	-3.84	1	-0.41	5	-0.21	20	0.00	13	-0.02	9	0.00	9
-116	Max	3.86	1	0.36	13	-0.03	13	0.00	5	0.02	1	0.00	1
-116	Min.	-3.78	9	-0.41	5	-0.25	5	0.00	13	-0.02	9	-0.00	9
-115	Max	3.35	9	0.32	13	0.07	5	0.00	5	0.01	9	0.00	1
-115	Min.	-3.30	1	-0.37	5	-0.31	13	0.00	13	-0.01	1	0.00	9
-114	Max	3.35	9	0.32	13	-0.01	5	0.00	5	0.01	9	0.00	1
-114	Min.	-3.30	1	-0.37	5	-0.24	13	0.00	13	-0.01	1	0.00	9
-113	Max	3.32	9	0.32	13	-0.09	5	0.00	5	0.01	9	0.00	1
-113	Min.	-3.27	1	-0.37	5	-0.20	19	0.00	13	-0.01	1	0.00	9
-112	Max	3.25	9	0.30	5	1.64	1	0.00	9	0.01	9	0.00	1
-112	Min.	-3.21	1	-0.34	13	-2.02	9	-0.00	1	-0.01	1	-0.00	9
-111	Max	3.25	9	0.30	5	0.99	1	0.00	9	0.01	9	0.00	1
-111	Min.	-3.21	1	-0.35	13	-1.34	9	-0.00	1	-0.01	1	0.00	9
-110	Max	3.25	9	0.32	5	-0.10	13	0.00	5	0.01	9	0.00	1
-110	Min.	-3.21	1	-0.37	13	-0.21	20	0.00	13	-0.01	1	-0.00	9
-109	Max	3.16	1	0.32	5	-0.04	13	0.00	5	0.02	1	0.00	1
-109	Min.	-3.12	9	-0.37	13	-0.25	5	0.00	13	-0.01	9	-0.00	9
-108	Max	2.76	9	0.28	13	0.06	5	0.00	5	0.01	9	0.00	1
-108	Min.	-2.73	1	-0.32	5	-0.31	13	0.00	13	-0.01	1	0.00	9
-107	Max	2.76	9	0.28	13	-0.02	5	0.00	5	0.01	9	0.00	1
-107	Min.	-2.73	1	-0.32	5	-0.24	13	0.00	13	-0.01	1	0.00	9
-106	Max	2.73	9	0.28	5	-0.09	5	0.00	5	0.01	9	0.00	1
-106	Min.	-2.71	1	-0.32	13	-0.20	19	0.00	13	-0.01	1	0.00	9
-105	Max	2.66	9	0.28	5	-0.10	13	0.00	5	0.01	9	0.00	1
-105	Min.	-2.64	1	-0.32	13	-0.21	20	0.00	13	-0.01	1	-0.00	9
-104	Max	2.56	1	0.28	5	1.52	1	0.00	9	0.01	9	0.00	1
-104	Min.	-2.55	9	-0.33	13	-1.90	9	-0.00	1	-0.01	1	-0.00	9
-103	Max	2.56	1	0.26	5	0.90	1	0.00	9	0.01	9	0.00	1
-103	Min.	-2.55	9	-0.30	13	-1.24	9	-0.00	1	-0.01	1	-0.00	9
-102	Max	2.56	1	0.28	5	-0.04	13	0.00	13	0.01	9	0.00	1
-102	Min.	-2.54	9	-0.32	13	-0.25	5	0.00	5	-0.01	1	-0.00	9
-101	Max	2.55	1	0.32	13	0.87	9	0.00	9	0.01	9	0.00	1
-101	Min.	-2.54	9	-0.35	5	-1.15	1	-0.00	1	-0.01	1	-0.00	9
-100	Max	2.55	1	0.35	9	1.39	9	0.00	9	0.01	9	0.00	1
-100	Min.	-2.54	9	-0.38	1	-1.66	1	-0.00	1	-0.01	1	-0.00	9
-99	Max	2.50	1	0.28	5	1.45	1	0.00	1	0.01	9	0.00	1
-99	Min.	-2.49	9	-0.33	13	-1.84	9	-0.00	9	-0.01	1	-0.00	9
-98	Max	2.50	1	0.26	5	0.85	1	0.00	1	0.01	9	0.00	1
-98	Min.	-2.49	9	-0.30	13	-1.20	9	-0.00	9	-0.01	1	-0.00	9
-97	Max	2.50	1	0.28	5	-0.00	5	0.00	13	0.01	9	0.00	1
-97	Min.	-2.49	9	-0.32	13	-0.29	13	0.00	5	-0.01	1	-0.00	9
-96	Max	2.50	1	0.32	13	0.91	9	0.00	13	0.01	9	0.00	1
-96	Min.	-2.49	9	-0.35	5	-1.18	1	0.00	5	-0.01	1	-0.00	9
-95	Max	2.50	1	0.35	9	1.44	9	0.00	13	0.01	9	0.00	1
-95	Min.	-2.49	9	-0.39	1	-1.71	1	-0.00	5	-0.01	1	-0.00	9
-94	Max	2.39	1	0.28	5	1.34	1	0.00	1	0.01	9	0.00	1
-94	Min.	-2.38	9	-0.33	13	-1.73	9	-0.00	9	-0.01	1	-0.00	9
-93	Max	2.39	1	0.26	5	0.78	1	0.00	1	0.01	9	0.00	1
-93	Min.	-2.38	9	-0.30	13	-1.13	9	-0.00	9	-0.01	1	-0.00	9
-92	Max	2.39	1	0.28	5	0.07	5	0.00	13	0.01	9	0.00	1
-92	Min.	-2.38	9	-0.32	13	-0.37	13	0.00	5	-0.01	1	-0.00	9
-91	Max	2.39	1	0.31	13	0.76	9	0.00	13	0.01	9	0.00	1
-91	Min.	-2.38	9	-0.35	5	-1.04	1	0.00	5	-0.01	1	-0.00	9
-90	Max	2.39	1	0.32	13	1.03	9	0.00	13	0.01	9	0.00	1
-90	Min.	-2.38	9	-0.36	5	-1.30	1	0.00	5	-0.01	1	-0.00	9
-89	Max	2.28	1	0.28	5	1.27	1	0.00	1	0.01	9	0.00	1
-89	Min.	-2.27	9	-0.33	13	-1.67	9	-0.00	9	-0.01	1	-0.00	9
-88	Max	2.28	1	0.26	5	0.73	1	0.00	5	0.01	9	0.00	1
-88	Min.	-2.27	9	-0.30	13	-1.09	9	-0.00	13	-0.01	1	-0.00	9
-87	Max	2.28	1	0.28	5	0.14	5	0.00	13	0.01	9	0.00	1
-87	Min.	-2.27	9	-0.32	13	-0.45	13	0.00	5	-0.01	1	-0.00	9
-86	Max	2.28	1	0.30	13	0.48	9	0.00	13	0.01	9	0.00	1
-86	Min.	-2.27	9	-0.34	5	-0.77	1	0.00	5	-0.01	1	-0.00	9
-85	Max	2.28	1	0.30	13	0.59	9	0.00	13	0.01	9	0.00	1
-85	Min.	-2.27	9	-0.34	5	-0.88	1	0.00	5	-0.01	1	-0.00	9
-84	Max	2.09	9	0.23	13	0.06	5	0.00	5	0.01	9	0.00	1
-84	Min.	-2.08	1	-0.27	5	-0.31	13	0.00	13	-0.01	1	0.00	9
-83	Max	2.11	9	0.23	5	-0.02	5	0.00	5	0.01	9	0.00	1
-83	Min.	-2.10	1	-0.27	13	-0.24	13	0.00	13	-0.01	1	0.00	9
-82	Max	2.09	9	0.23	5	-0.09	5	0.00	5	0.01	9	0.00	1
-82	Min.	-2.08	1	-0.27	13	-0.20	19	0.00	13	-0.01	1	0.00	9
-81	Max	2.05	1	0.23	5	-0.10	13	0.00	5	0.01	9	0.00	1
-81	Min.	-2.04	9	-0.27	13	-0.21	20	0.00	13	-0.01	1	0.00	9
-80	Max	2.05	1	0.25	13	0.75	9	0.00	1	0.01	9	0.00	1
-80	Min.	-2.04	9	-0.29	5	-1.02	1	-0.00	9	-0.01	1	0.00	9
-79	Max	2.05	1	0.26	13	1.22	9	0.00	1	0.01	9	0.00	1

-79	Min.	-2.04	9	-0.30	5	-1.50	1	-0.00	9	-0.01	1	0.00	9
-78	Max	1.96	1	0.23	5	-0.04	13	0.00	13	0.01	9	0.00	1
-78	Min.	-1.96	9	-0.27	13	-0.25	5	0.00	5	-0.01	1	-0.00	9
-77	Max	1.91	1	0.23	5	-0.00	5	0.00	13	0.01	9	0.00	1
-77	Min.	-1.92	9	-0.27	13	-0.29	13	0.00	5	-0.01	1	-0.00	9
-76	Max	1.83	1	0.23	5	0.07	5	0.00	13	0.01	1	0.00	1
-76	Min.	-1.83	9	-0.27	13	-0.37	13	0.00	5	-0.01	9	-0.00	9
-75	Max	1.73	1	0.23	5	0.14	5	0.00	13	0.01	1	0.00	1
-75	Min.	-1.74	9	-0.27	13	-0.45	13	0.00	5	-0.01	9	-0.00	9
-74	Max	1.51	9	0.18	13	0.06	5	0.00	5	0.01	9	0.00	1
-74	Min.	-1.51	1	-0.21	5	-0.31	13	0.00	13	-0.01	1	0.00	9
-73	Max	1.54	9	0.18	5	-0.02	5	0.00	13	0.01	9	0.00	1
-73	Min.	-1.54	1	-0.21	13	-0.24	13	0.00	5	-0.01	1	0.00	9
-72	Max	1.55	1	0.18	5	-0.09	5	0.00	5	0.01	9	0.00	1
-72	Min.	-1.55	9	-0.21	13	-0.20	19	0.00	13	-0.01	1	0.00	9
-71	Max	1.55	1	0.18	13	0.60	9	0.00	1	0.01	9	0.00	1
-71	Min.	-1.55	9	-0.21	5	-0.87	1	-0.00	9	-0.01	1	0.00	9
-70	Max	1.55	1	0.17	13	0.99	9	0.00	1	0.01	9	0.00	1
-70	Min.	-1.55	9	-0.21	5	-1.26	1	-0.00	9	-0.01	1	0.00	9
-69	Max	1.51	1	0.18	5	-0.10	13	0.00	13	0.01	9	0.00	1
-69	Min.	-1.52	9	-0.21	13	-0.21	20	0.00	5	-0.01	1	-0.00	9
-68	Max	1.44	1	0.18	5	-0.04	5	0.00	13	0.01	1	0.00	1
-68	Min.	-1.45	9	-0.21	13	-0.25	13	0.00	5	-0.01	9	-0.00	9
-67	Max	1.40	1	0.18	5	-0.00	5	0.00	13	0.01	1	0.00	1
-67	Min.	-1.41	9	-0.21	13	-0.29	13	0.00	5	-0.01	9	-0.00	9
-66	Max	1.33	1	0.18	5	0.07	5	0.00	13	0.01	1	0.00	1
-66	Min.	-1.34	9	-0.21	13	-0.37	13	0.00	5	-0.01	9	0.00	9
-65	Max	1.26	1	0.18	5	0.14	5	0.00	13	0.01	1	0.00	1
-65	Min.	-1.27	9	-0.21	13	-0.45	13	0.00	5	-0.01	9	-0.00	9
-64	Max	1.01	9	0.13	13	0.06	5	0.00	13	0.01	9	0.00	1
-64	Min.	-1.01	1	-0.16	5	-0.30	13	0.00	5	-0.01	1	0.00	9
-63	Max	1.07	9	0.13	13	-0.02	5	0.00	5	0.01	9	0.00	1
-63	Min.	-1.07	1	-0.16	5	-0.24	13	0.00	13	-0.01	1	0.00	9
-62	Max	1.07	9	0.14	13	0.43	9	0.00	1	0.01	9	0.00	1
-62	Min.	-1.07	1	-0.17	5	-0.69	1	-0.00	9	-0.01	1	-0.00	9
-61	Max	1.07	9	0.19	9	0.71	9	0.00	1	0.01	9	0.00	1
-61	Min.	-1.07	1	-0.22	1	-0.98	1	-0.00	9	-0.01	1	-0.00	9
-60	Max	1.08	1	0.14	5	-0.09	5	0.00	5	0.01	9	0.00	1
-60	Min.	-1.08	9	-0.16	13	-0.20	19	0.00	13	-0.01	1	0.00	9
-59	Max	1.04	1	0.14	5	-0.11	5	0.00	5	0.01	1	0.00	1
-59	Min.	-1.04	9	-0.16	13	-0.21	20	0.00	13	-0.01	9	0.00	9
-58	Max	0.98	1	0.14	5	-0.04	5	0.00	13	0.01	1	0.00	1
-58	Min.	-0.99	9	-0.16	13	-0.25	13	0.00	5	-0.01	9	0.00	9
-57	Max	0.95	1	0.14	5	-0.00	5	0.00	13	0.01	1	0.00	1
-57	Min.	-0.97	9	-0.16	13	-0.29	13	0.00	5	-0.01	9	0.00	9
-56	Max	0.90	1	0.14	5	0.07	5	0.00	13	0.01	1	0.00	1
-56	Min.	-0.92	9	-0.16	13	-0.37	13	0.00	5	-0.01	9	0.00	9
-55	Max	0.85	1	0.14	5	0.14	5	0.00	13	0.01	1	0.00	1
-55	Min.	-0.87	9	-0.16	13	-0.45	13	0.00	5	-0.01	9	0.00	9
-54	Max	0.60	9	0.09	13	0.06	5	0.00	5	0.01	9	0.00	1
-54	Min.	-0.61	1	-0.10	5	-0.30	13	0.00	13	-0.01	1	-0.00	9
-53	Max	0.60	9	0.12	9	0.38	9	0.00	1	0.01	9	0.00	1
-53	Min.	-0.61	1	-0.14	1	-0.63	1	-0.00	9	-0.01	1	-0.00	9
-52	Max	0.60	9	0.21	9	0.66	9	0.00	1	0.01	9	0.00	1
-52	Min.	-0.61	1	-0.23	1	-0.91	1	-0.00	9	-0.01	1	-0.00	9
-51	Max	0.65	1	0.09	13	-0.02	5	0.00	5	0.01	1	0.00	1
-51	Min.	-0.66	9	-0.10	5	-0.24	13	0.00	13	-0.01	9	0.00	9
-50	Max	0.64	1	0.09	5	-0.09	5	0.00	5	0.01	1	0.00	1
-50	Min.	-0.65	9	-0.10	13	-0.20	19	0.00	13	-0.01	9	0.00	9
-49	Max	0.61	1	0.09	5	-0.11	5	0.00	13	0.01	1	0.00	1
-49	Min.	-0.62	9	-0.10	13	-0.21	20	0.00	5	-0.01	9	0.00	9
-48	Max	0.58	1	0.09	5	-0.04	5	0.00	13	0.01	1	0.00	1
-48	Min.	-0.59	9	-0.10	13	-0.25	13	0.00	5	-0.01	9	0.00	9
-47	Max	0.57	1	0.09	5	-0.00	5	0.00	13	0.01	1	0.00	1
-47	Min.	-0.58	9	-0.10	13	-0.29	13	0.00	5	-0.01	9	0.00	9
-46	Max	0.54	1	0.09	5	0.07	5	0.00	13	0.01	1	0.00	1
-46	Min.	-0.55	9	-0.10	13	-0.37	13	0.00	5	-0.01	9	0.00	9
-45	Max	0.51	1	0.09	5	0.14	5	0.00	13	0.01	1	0.00	1
-45	Min.	-0.52	9	-0.10	13	-0.45	13	0.00	5	-0.01	9	0.00	9
-44	Max	0.00	1	0.00	1	0.67	1	0.00	5	0.01	9	0.00	1
-44	Min.	0.00	1	0.00	1	-0.88	9	0.00	13	-0.01	1	0.00	1
-43	Max	0.00	1	0.00	1	0.43	1	0.00	5	0.01	9	0.00	1
-43	Min.	0.00	1	0.00	1	-0.64	9	0.00	13	-0.01	1	0.00	1
-42	Max	0.00	1	0.00	1	0.12	5	0.00	5	0.01	9	0.00	1
-42	Min.	0.00	1	0.00	1	-0.35	13	0.00	13	-0.01	1	0.00	1
-41	Max	0.00	1	0.00	1	0.42	9	0.00	5	0.01	9	0.00	1
-41	Min.	0.00	1	0.00	1	-0.65	1	0.00	13	-0.01	1	0.00	1
-40	Max	0.00	1	0.00	1	0.70	9	0.00	5	0.01	9	0.00	1
-40	Min.	0.00	1	0.00	1	-0.93	1	0.00	13	-0.01	1	0.00	1

-39	Max	0.00	1	0.00	1	0.64	1	0.00	5	0.01	9	0.00	1
-39	Min.	0.00	1	0.00	1	-0.86	9	0.00	13	-0.01	1	0.00	1
-38	Max	0.00	1	0.00	1	0.40	1	0.00	5	0.01	9	0.00	1
-38	Min.	0.00	1	0.00	1	-0.63	9	0.00	13	-0.01	1	0.00	1
-37	Max	0.00	1	0.00	1	0.05	5	0.00	5	0.01	9	0.00	1
-37	Min.	0.00	1	0.00	1	-0.29	13	0.00	13	-0.01	1	0.00	1
-36	Max	0.00	1	0.00	1	0.37	9	0.00	13	0.01	9	0.00	1
-36	Min.	0.00	1	0.00	1	-0.62	1	0.00	5	-0.01	1	0.00	1
-35	Max	0.00	1	0.00	1	0.64	9	0.00	13	0.01	9	0.00	1
-35	Min.	0.00	1	0.00	1	-0.89	1	0.00	5	-0.01	1	0.00	1
-34	Max	0.00	1	0.00	1	0.59	1	0.00	5	0.00	9	0.00	1
-34	Min.	0.00	1	0.00	1	-0.83	9	0.00	13	-0.01	1	0.00	1
-33	Max	0.00	1	0.00	1	0.36	1	0.00	5	0.00	9	0.00	1
-33	Min.	0.00	1	0.00	1	-0.60	9	0.00	13	-0.01	1	0.00	1
-32	Max	0.00	1	0.00	1	-0.02	5	0.00	5	0.01	9	0.00	1
-32	Min.	0.00	1	0.00	1	-0.23	13	0.00	13	-0.01	1	0.00	1
-31	Max	0.00	1	0.00	1	0.31	9	0.00	13	0.01	9	0.00	1
-31	Min.	0.00	1	0.00	1	-0.57	1	0.00	5	-0.01	1	0.00	1
-30	Max	0.00	1	0.00	1	0.56	9	0.00	13	0.01	9	0.00	1
-30	Min.	0.00	1	0.00	1	-0.83	1	0.00	5	-0.01	1	0.00	1
-29	Max	0.00	1	0.00	1	0.53	1	0.00	5	0.00	9	0.00	1
-29	Min.	0.00	1	0.00	1	-0.78	9	0.00	13	-0.00	1	0.00	1
-28	Max	0.00	1	0.00	1	0.30	1	0.00	5	0.00	9	0.00	1
-28	Min.	0.00	1	0.00	1	-0.55	9	0.00	13	-0.00	1	0.00	1
-27	Max	0.00	1	0.00	1	-0.09	5	0.00	5	0.00	9	0.00	1
-27	Min.	0.00	1	0.00	1	-0.20	19	0.00	13	-0.01	1	0.00	1
-26	Max	0.00	1	0.00	1	0.28	9	0.00	13	0.00	9	0.00	1
-26	Min.	0.00	1	0.00	1	-0.55	1	0.00	5	-0.01	1	0.00	1
-25	Max	0.00	1	0.00	1	0.51	9	0.00	13	0.00	9	0.00	1
-25	Min.	0.00	1	0.00	1	-0.78	1	0.00	5	-0.01	1	0.00	1
-24	Max	0.00	1	0.00	1	0.48	9	0.00	5	0.00	1	0.00	1
-24	Min.	0.00	1	0.00	1	-0.73	1	0.00	13	-0.00	9	0.00	1
-23	Max	0.00	1	0.00	1	0.26	9	0.00	5	0.00	1	0.00	1
-23	Min.	0.00	1	0.00	1	-0.52	1	0.00	13	-0.00	9	0.00	1
-22	Max	0.00	1	0.00	1	-0.11	5	0.00	13	0.00	1	0.00	1
-22	Min.	0.00	1	0.00	1	-0.20	20	0.00	5	-0.00	9	0.00	1
-21	Max	0.00	1	0.00	1	0.27	1	0.00	13	0.00	1	0.00	1
-21	Min.	0.00	1	0.00	1	-0.56	9	0.00	5	-0.00	9	0.00	1
-20	Max	0.00	1	0.00	1	0.49	1	0.00	13	0.00	1	0.00	1
-20	Min.	0.00	1	0.00	1	-0.78	9	0.00	5	-0.00	9	0.00	1
-19	Max	0.00	1	0.00	1	0.45	9	0.00	5	0.00	1	0.00	1
-19	Min.	0.00	1	0.00	1	-0.71	1	0.00	13	-0.00	9	0.00	1
-18	Max	0.00	1	0.00	1	0.23	9	0.00	5	0.00	1	0.00	1
-18	Min.	0.00	1	0.00	1	-0.50	1	0.00	13	-0.00	9	0.00	1
-17	Max	0.00	1	0.00	1	-0.04	5	0.00	13	0.00	1	0.00	1
-17	Min.	0.00	1	0.00	1	-0.24	13	0.00	5	-0.00	9	0.00	1
-16	Max	0.00	1	0.00	1	0.30	1	0.00	13	0.00	1	0.00	1
-16	Min.	0.00	1	0.00	1	-0.59	9	0.00	5	-0.00	9	0.00	1
-15	Max	0.00	1	0.00	1	0.51	1	0.00	13	0.00	1	0.00	1
-15	Min.	0.00	1	0.00	1	-0.81	9	0.00	5	-0.00	9	0.00	1
-14	Max	0.00	1	0.00	1	0.43	9	0.00	5	0.00	1	0.00	1
-14	Min.	0.00	1	0.00	1	-0.70	1	0.00	13	-0.00	9	0.00	1
-13	Max	0.00	1	0.00	1	0.22	9	0.00	5	0.00	1	0.00	1
-13	Min.	0.00	1	0.00	1	-0.49	1	0.00	13	-0.00	9	0.00	1
-12	Max	0.00	1	0.00	1	-0.00	5	0.00	13	0.00	1	0.00	1
-12	Min.	0.00	1	0.00	1	-0.28	13	0.00	5	-0.00	9	0.00	1
-11	Max	0.00	1	0.00	1	0.32	1	0.00	13	0.00	1	0.00	1
-11	Min.	0.00	1	0.00	1	-0.61	9	0.00	5	-0.00	9	0.00	1
-10	Max	0.00	1	0.00	1	0.52	1	0.00	13	0.00	1	0.00	1
-10	Min.	0.00	1	0.00	1	-0.83	9	0.00	5	-0.00	9	0.00	1
-9	Max	0.00	1	0.00	1	0.41	9	0.00	5	0.00	1	0.00	1
-9	Min.	0.00	1	0.00	1	-0.68	1	0.00	13	-0.00	9	0.00	1
-8	Max	0.00	1	0.00	1	0.20	9	0.00	5	0.00	1	0.00	1
-8	Min.	0.00	1	0.00	1	-0.48	1	0.00	13	-0.00	9	0.00	1
-7	Max	0.00	1	0.00	1	0.07	5	0.00	13	0.00	1	0.00	1
-7	Min.	0.00	1	0.00	1	-0.37	13	0.00	5	-0.00	9	0.00	1
-6	Max	0.00	1	0.00	1	0.28	1	0.00	13	0.00	1	0.00	1
-6	Min.	0.00	1	0.00	1	-0.59	9	0.00	5	-0.00	9	0.00	1
-5	Max	0.00	1	0.00	1	0.38	1	0.00	13	0.00	1	0.00	1
-5	Min.	0.00	1	0.00	1	-0.69	9	0.00	5	-0.00	9	0.00	1
-4	Max	0.00	1	0.00	1	0.39	9	0.00	5	0.00	1	0.00	1
-4	Min.	0.00	1	0.00	1	-0.67	1	0.00	13	-0.00	9	0.00	1
-3	Max	0.00	1	0.00	1	0.18	9	0.00	5	0.00	1	0.00	1
-3	Min.	0.00	1	0.00	1	-0.48	1	0.00	13	-0.00	9	0.00	1
-2	Max	0.00	1	0.00	1	0.14	5	0.00	13	0.00	1	0.00	1
-2	Min.	0.00	1	0.00	1	-0.45	13	0.00	5	-0.00	9	0.00	1
-1	Max	0.00	1	0.00	1	0.25	1	0.00	13	0.00	1	0.00	1
-1	Min.	0.00	1	0.00	1	-0.57	9	0.00	5	-0.00	9	0.00	1

Min = -5.24
Max = 5.39

Reazioni vincolari

Simbologia
Nodo = Numero del nodo
Rx = Reazione vincolare (forza) in dir. X
CC = Numero della combinazione delle condizioni di carico elementari
Ry = Reazione vincolare (forza) in dir. Y
Rz = Reazione vincolare (forza) in dir. Z
Mx = Reazione vincolare (momento) intorno all'asse X
My = Reazione vincolare (momento) intorno all'asse Y
Mz = Reazione vincolare (momento) intorno all'asse Z

Nodo		Rx <daN>	CC	Ry <daN>	CC	Rz <daN>	CC	Mx <daNm>	CC	My <daNm>	CC	Mz <daNm>	CC
-137	Max	0.00	1	0.00	1	0.00	1	0.00	13	0.00	18	0.00	1
-137	Min.	0.00	1	0.00	1	0.00	9	0.00	5	0.00	1	0.00	1
-44	Max	0.00	1	0.00	1	0.00	1	0.00	5	0.00	1	0.00	1
-44	Min.	0.00	1	0.00	1	0.00	9	0.00	13	0.00	9	0.00	1
-43	Max	0.00	1	0.00	1	0.00	5	0.00	1	0.00	1	0.00	1
-43	Min.	0.00	1	0.00	1	0.00	13	0.00	9	0.00	9	0.00	1
-42	Max	0.00	1	0.00	1	0.00	13	0.00	5	0.00	1	0.00	1
-42	Min.	0.00	1	0.00	1	0.00	5	0.00	13	0.00	9	0.00	1
-41	Max	0.00	1	0.00	1	0.00	1	0.00	18	0.00	1	0.00	1
-41	Min.	0.00	1	0.00	1	0.00	1	0.00	13	0.00	9	0.00	1
-40	Max	0.00	1	0.00	1	0.00	1	0.00	9	0.00	5	0.00	1
-40	Min.	0.00	1	0.00	1	0.00	9	0.00	1	0.00	5	0.00	1
-39	Max	0.00	1	0.00	1	0.00	9	0.00	1	0.00	9	0.00	1
-39	Min.	0.00	1	0.00	1	0.00	1	0.00	9	0.00	1	0.00	1
-38	Max	0.00	1	0.00	1	0.00	1	0.00	9	0.00	9	0.00	1
-38	Min.	0.00	1	0.00	1	0.00	9	0.00	1	0.00	1	0.00	1
-37	Max	2163.75	1	10011.60	9	0.00	1	0.00	5	0.00	1	1133.59	9
-37	Min.	-2301.61	9	-12146.30	1	0.00	9	0.00	13	0.00	9	-1221.95	1
-36	Max	2277.55	1	13645.70	1	0.00	1	0.00	9	0.00	5	1541.09	9
-36	Min.	-1926.81	9	-13329.00	9	0.00	9	0.00	1	0.00	13	-1661.91	1
-35	Max	4345.05	1	10696.60	1	0.00	9	0.00	1	0.00	1	498.45	9
-35	Min.	-4355.72	9	-10223.80	9	0.00	1	0.00	1	0.00	9	-530.00	1
-34	Max	0.00	1	0.00	1	0.00	9	0.00	9	0.00	1	0.00	1
-34	Min.	0.00	1	0.00	1	0.00	1	0.00	1	0.00	9	0.00	1
-33	Max	0.00	1	0.00	1	0.00	1	0.00	9	0.00	9	0.00	1
-33	Min.	0.00	1	0.00	1	0.00	9	0.00	1	0.00	1	0.00	1
-32	Max	2025.73	9	9822.74	9	0.00	1	0.00	5	0.00	1	276.57	9
-32	Min.	-2232.86	1	-10945.20	1	0.00	9	0.00	13	0.00	9	-308.09	1
-31	Max	0.00	1	0.00	1	0.00	1	0.00	1	0.00	9	0.00	1
-31	Min.	0.00	1	0.00	1	0.00	9	0.00	9	0.00	1	0.00	1
-30	Max	0.00	1	0.00	1	0.00	9	0.00	9	0.00	1	0.00	1
-30	Min.	0.00	1	0.00	1	0.00	1	0.00	1	0.00	9	0.00	1
-29	Max	0.00	1	0.00	1	0.00	9	0.00	9	0.00	9	0.00	1
-29	Min.	0.00	1	0.00	1	0.00	1	0.00	1	0.00	1	0.00	1
-28	Max	0.00	1	0.00	1	0.00	1	0.00	9	0.00	1	0.00	1
-28	Min.	0.00	1	0.00	1	0.00	9	0.00	1	0.00	9	0.00	1
-27	Max	2866.63	9	4274.45	9	0.00	9	0.00	17	0.00	1	381.35	9
-27	Min.	-3206.24	1	-4191.16	1	0.00	1	0.00	1	0.00	9	-348.81	1
-26	Max	0.00	1	0.00	1	0.00	1	0.00	9	0.00	1	0.00	1
-26	Min.	0.00	1	0.00	1	0.00	9	0.00	1	0.00	9	0.00	1
-25	Max	0.00	1	0.00	1	0.00	9	0.00	9	0.00	1	0.00	1
-25	Min.	0.00	1	0.00	1	0.00	1	0.00	1	0.00	9	0.00	1
-24	Max	0.00	1	0.00	1	0.00	1	0.00	5	0.00	1	0.00	1
-24	Min.	0.00	1	0.00	1	0.00	9	0.00	13	0.00	9	0.00	1
-23	Max	0.00	1	0.00	1	0.00	9	0.00	9	0.00	1	0.00	1
-23	Min.	0.00	1	0.00	1	0.00	1	0.00	1	0.00	9	0.00	1
-22	Max	1432.84	9	1643.22	13	0.00	1	0.00	13	0.00	9	357.21	9
-22	Min.	-1502.07	1	-1038.22	5	0.00	9	0.00	5	0.00	1	-324.69	1
-21	Max	0.00	1	0.00	1	0.00	1	0.00	1	0.00	9	0.00	1
-21	Min.	0.00	1	0.00	1	0.00	9	0.00	9	0.00	1	0.00	1
-20	Max	0.00	1	0.00	1	0.00	1	0.00	1	0.00	9	0.00	1
-20	Min.	0.00	1	0.00	1	0.00	9	0.00	9	0.00	1	0.00	1
-19	Max	0.00	1	0.00	1	0.00	1	0.00	9	0.00	1	0.00	1
-19	Min.	0.00	1	0.00	1	0.00	9	0.00	1	0.00	9	0.00	1
-18	Max	0.00	1	0.00	1	0.00	9	0.00	1	0.00	1	0.00	1
-18	Min.	0.00	1	0.00	1	0.00	18	0.00	9	0.00	9	0.00	1
-17	Max	393.27	9	1187.42	5	0.00	13	0.00	5	0.00	1	256.97	9
-17	Min.	-376.12	1	-684.13	13	0.00	5	0.00	13	0.00	9	-223.38	1
-16	Max	0.00	1	0.00	1	0.00	1	0.00	9	0.00	9	0.00	1
-16	Min.	0.00	1	0.00	1	0.00	9	0.00	1	0.00	1	0.00	1
-15	Max	0.00	1	0.00	1	0.00	9	0.00	9	0.00	1	0.00	1
-15	Min.	0.00	1	0.00	1	0.00	1	0.00	1	0.00	9	0.00	1
-14	Max	0.00	1	0.00	1	0.00	1	0.00	9	0.00	9	0.00	1

-14	Min.	0.00	1	0.00	1	0.00	9	0.00	1	0.00	1	0.00	1
-13	Max	0.00	1	0.00	1	0.00	1	0.00	9	0.00	1	0.00	1
-13	Min.	0.00	1	0.00	1	0.00	9	0.00	1	0.00	9	0.00	1
-12	Max	348.72	9	1501.52	5	0.00	9	0.00	5	0.00	5	234.44	9
-12	Min.	-270.11	1	-1000.67	13	0.00	1	0.00	13	0.00	13	-201.85	1
-11	Max	0.00	1	0.00	1	0.00	9	0.00	9	0.00	9	0.00	1
-11	Min.	0.00	1	0.00	1	0.00	1	0.00	1	0.00	1	0.00	1
-10	Max	0.00	1	0.00	1	0.00	5	0.00	9	0.00	1	0.00	1
-10	Min.	0.00	1	0.00	1	0.00	18	0.00	1	0.00	9	0.00	1
-9	Max	0.00	1	0.00	1	0.00	9	0.00	1	0.00	1	0.00	1
-9	Min.	0.00	1	0.00	1	0.00	1	0.00	9	0.00	9	0.00	1
-8	Max	0.00	1	0.00	1	0.00	9	0.00	5	0.00	1	0.00	1
-8	Min.	0.00	1	0.00	1	0.00	1	0.00	13	0.00	9	0.00	1
-7	Max	556.70	9	1480.60	5	0.00	5	0.00	5	0.00	1	309.70	9
-7	Min.	-396.98	1	-1050.87	13	0.00	13	0.00	13	0.00	9	-271.87	1
-6	Max	0.00	1	0.00	1	0.00	5	0.00	9	0.00	1	0.00	1
-6	Min.	0.00	1	0.00	1	0.00	13	0.00	1	0.00	9	0.00	1
-5	Max	0.00	1	0.00	1	0.00	1	0.00	5	0.00	5	0.00	1
-5	Min.	0.00	1	0.00	1	0.00	9	0.00	13	0.00	13	0.00	1
-4	Max	0.00	1	0.00	1	0.00	9	0.00	9	0.00	1	0.00	1
-4	Min.	0.00	1	0.00	1	0.00	1	0.00	1	0.00	9	0.00	1
-3	Max	0.00	1	0.00	1	0.00	1	0.00	5	0.00	1	0.00	1
-3	Min.	0.00	1	0.00	1	0.00	9	0.00	13	0.00	9	0.00	1
-2	Max	1449.76	9	938.85	5	0.00	9	0.00	13	0.00	1	211.09	9
-2	Min.	-1291.49	1	-593.38	13	0.00	1	0.00	5	0.00	9	-191.01	1
-1	Max	0.00	1	0.00	1	0.00	9	0.00	5	0.00	1	0.00	1
-1	Min.	0.00	1	0.00	1	0.00	1	0.00	13	0.00	9	0.00	1

Tensioni sul terreno

Simbologia
Nodo = Numero del nodo
σ_t = Tensione sul terreno
CC = Numero della combinazione delle condizioni di carico elementari

Nodo		σ_t <daN/cmq>	CC
-137	Max	0.97	9
-43	Max	1.11	9
-41	Max	1.15	1
-39	Max	1.47	9
-37	Max	0.57	13
-35	Max	1.54	1
-33	Max	1.06	9
-31	Max	1.03	1
-29	Max	1.35	9
-27	Max	0.49	19
-25	Max	1.37	1
-23	Max	0.94	1
-21	Max	1.01	9
-19	Max	1.25	1
-17	Max	0.53	20
-15	Max	1.42	9
-13	Max	0.91	1
-11	Max	1.11	9
-9	Max	1.21	1
-7	Max	0.72	13
-5	Max	1.24	9
-3	Max	0.89	1
-1	Max	1.05	9

Nodo		σ_t <daN/cmq>	CC
-137	Min.	-0.18	1
-43	Min.	-0.58	1
-41	Min.	-0.57	9
-39	Min.	-0.91	1
-37	Min.	0.03	5
-35	Min.	-0.90	9
-33	Min.	-0.46	1
-31	Min.	-0.38	9
-29	Min.	-0.74	1
-27	Min.	0.27	5
-25	Min.	-0.68	9
-23	Min.	-0.29	9
-21	Min.	-0.31	1
-19	Min.	-0.59	9
-17	Min.	0.19	5
-15	Min.	-0.68	1
-13	Min.	-0.22	9
-11	Min.	-0.37	1
-9	Min.	-0.53	9
-7	Min.	0.03	5
-5	Min.	-0.47	1
-3	Min.	-0.16	9
-1	Min.	-0.25	1

Nodo		σ_t <daN/cmq>	CC
-44	Max	1.49	9
-42	Max	0.65	13
-40	Max	1.59	1
-38	Max	1.10	9
-36	Max	1.09	1
-34	Max	1.42	9
-32	Max	0.49	13
-30	Max	1.44	1
-28	Max	1.00	9
-26	Max	1.00	1
-24	Max	1.28	1
-22	Max	0.51	20
-20	Max	1.37	9
-18	Max	0.92	1
-16	Max	1.07	9
-14	Max	1.23	1
-12	Max	0.58	13
-10	Max	1.45	9
-8	Max	0.90	1
-6	Max	1.07	9
-4	Max	1.20	1
-2	Max	0.85	13

Nodo		σ_t <daN/cmq>	CC
-44	Min.	-0.98	1
-42	Min.	-0.09	5
-40	Min.	-1.00	9
-38	Min.	-0.53	1
-36	Min.	-0.47	9
-34	Min.	-0.83	1
-32	Min.	0.15	5
-30	Min.	-0.77	9
-28	Min.	-0.37	1
-26	Min.	-0.32	9
-24	Min.	-0.65	9
-22	Min.	0.29	5
-20	Min.	-0.65	1
-18	Min.	-0.25	9
-16	Min.	-0.34	1
-14	Min.	-0.57	9
-12	Min.	0.14	5
-10	Min.	-0.70	1
-8	Min.	-0.19	9
-6	Min.	-0.30	1
-4	Min.	-0.49	9
-2	Min.	-0.08	5

Sollecitazioni elementi bidimensionali

Simbologia
Bid. = Numero del muro/elemento bidimensionale
Nodo = Numero del nodo
σ_{xx} = Tensione normale sulle facce perp. all'asse X
CC = Numero della combinazione delle condizioni di carico elementari
σ_{zz} = Tensione normale sulle facce perp. all'asse Z
τ_{xz} = Tensione in dir. Z sulle facce perp. all'asse X
Mxx = Momento che provoca variazione di tensione sulle facce perp. all'asse X
Mzz = Momento che provoca variazione di tensione sulle facce perp. all'asse Z
Mxz = Momento che provoca variazione di tensione tangenziale sulle facce perp. all'asse X
τ_{zy} = Tensione in dir. Y sulle facce perp. all'asse Z
τ_{xy} = Tensione in dir. Y sulle facce perp. all'asse X

Bid.		Nodo	σ_{xx} <daN/mq>	CC	σ_{zz} <daN/mq>	CC	τ_{xz} <daN/mq>	CC	Mxx <daNm/m>	CC	Mzz <daNm/m>	CC	Mxz <daNm/m>	CC	τ_{zy} <daN/mq>	CC	τ_{xy} <daN/mq>	CC
103	Max	-67	15265.60	9	17166.70	13	20774.60	5	802.89	1	3457.76	9	586.29	9	5692.07	9	8397.82	1
103	Max	-68	15265.60	9	17166.70	13	20774.60	5	802.89	1	3457.76	9	586.29	9	5692.07	9	8397.82	1

103	Max	-78	15265.60	9	17166.70	13	20774.60	5	802.89	1	3457.76	9	586.29	9	5692.07	9	8397.82	1
103	Max	-77	15265.60	9	17166.70	13	20774.60	5	802.89	1	3457.76	9	586.29	9	5692.07	9	8397.82	1
103	Min.	-67	-14094.00	1	-50737.70	5	-21980.60	13	-517.89	9	-2993.27	1	-606.62	1	-2633.27	1	-6219.49	9
103	Min.	-68	-14094.00	1	-50737.70	5	-21980.60	13	-517.89	9	-2993.27	1	-606.62	1	-2633.27	1	-6219.49	9
103	Min.	-78	-14094.00	1	-50737.70	5	-21980.60	13	-517.89	9	-2993.27	1	-606.62	1	-2633.27	1	-6219.49	9
103	Min.	-77	-14094.00	1	-50737.70	5	-21980.60	13	-517.89	9	-2993.27	1	-606.62	1	-2633.27	1	-6219.49	9
103	Max	-68	24311.90	9	20407.70	9	35030.30	1	62.45	9	2830.25	9	392.74	9	2943.29	9	6279.61	9
103	Max	-69	24311.90	9	20407.70	9	35030.30	1	62.45	9	2830.25	9	392.74	9	2943.29	9	6279.61	9
103	Max	-81	24311.90	9	20407.70	9	35030.30	1	62.45	9	2830.25	9	392.74	9	2943.29	9	6279.61	9
103	Max	-78	24311.90	9	20407.70	9	35030.30	1	62.45	9	2830.25	9	392.74	9	2943.29	9	6279.61	9
103	Min.	-68	-25322.50	1	-55295.40	1	-34052.90	9	-145.97	1	-2670.08	1	-420.65	1	-3460.10	1	-11999.50	1
103	Min.	-69	-25322.50	1	-55295.40	1	-34052.90	9	-145.97	1	-2670.08	1	-420.65	1	-3460.10	1	-11999.50	1
103	Min.	-81	-25322.50	1	-55295.40	1	-34052.90	9	-145.97	1	-2670.08	1	-420.65	1	-3460.10	1	-11999.50	1
103	Min.	-78	-25322.50	1	-55295.40	1	-34052.90	9	-145.97	1	-2670.08	1	-420.65	1	-3460.10	1	-11999.50	1
103	Max	-73	10126.20	9	39727.10	5	20727.50	1	97.12	9	4048.77	9	371.59	9	7361.88	1	2582.94	1
103	Max	-74	10126.20	9	39727.10	5	20727.50	1	97.12	9	4048.77	9	371.59	9	7361.88	1	2582.94	1
103	Max	-84	10126.20	9	39727.10	5	20727.50	1	97.12	9	4048.77	9	371.59	9	7361.88	1	2582.94	1
103	Max	-83	10126.20	9	39727.10	5	20727.50	1	97.12	9	4048.77	9	371.59	9	7361.88	1	2582.94	1
103	Min.	-73	-11115.30	1	-70018.30	13	-18462.60	9	-108.09	1	-3498.99	1	-352.01	1	-7024.58	9	-2824.81	9
103	Min.	-74	-11115.30	1	-70018.30	13	-18462.60	9	-108.09	1	-3498.99	1	-352.01	1	-7024.58	9	-2824.81	9
103	Min.	-84	-11115.30	1	-70018.30	13	-18462.60	9	-108.09	1	-3498.99	1	-352.01	1	-7024.58	9	-2824.81	9
103	Min.	-83	-11115.30	1	-70018.30	13	-18462.60	9	-108.09	1	-3498.99	1	-352.01	1	-7024.58	9	-2824.81	9
103	Max	-49	32568.90	9	-9462.16	13	35631.70	1	70.80	9	2567.64	9	478.15	9	4252.47	9	1243.07	9
103	Max	-50	32568.90	9	-9462.16	13	35631.70	1	70.80	9	2567.64	9	478.15	9	4252.47	9	1243.07	9
103	Max	-60	32568.90	9	-9462.16	13	35631.70	1	70.80	9	2567.64	9	478.15	9	4252.47	9	1243.07	9
103	Max	-59	32568.90	9	-9462.16	13	35631.70	1	70.80	9	2567.64	9	478.15	9	4252.47	9	1243.07	9
103	Min.	-49	-36778.60	1	-26833.80	20	-36031.70	9	-117.28	1	-2385.48	1	-429.38	1	-4536.79	1	-1567.33	1
103	Min.	-50	-36778.60	1	-26833.80	20	-36031.70	9	-117.28	1	-2385.48	1	-429.38	1	-4536.79	1	-1567.33	1
103	Min.	-60	-36778.60	1	-26833.80	20	-36031.70	9	-117.28	1	-2385.48	1	-429.38	1	-4536.79	1	-1567.33	1
103	Min.	-59	-36778.60	1	-26833.80	20	-36031.70	9	-117.28	1	-2385.48	1	-429.38	1	-4536.79	1	-1567.33	1
103	Max	-69	20367.00	9	-1373.22	9	38781.30	1	996.21	9	3721.44	9	371.83	9	1465.21	1	7987.67	1
103	Max	-72	20367.00	9	-1373.22	9	38781.30	1	996.21	9	3721.44	9	371.83	9	1465.21	1	7987.67	1
103	Max	-82	20367.00	9	-1373.22	9	38781.30	1	996.21	9	3721.44	9	371.83	9	1465.21	1	7987.67	1
103	Max	-81	20367.00	9	-1373.22	9	38781.30	1	996.21	9	3721.44	9	371.83	9	1465.21	1	7987.67	1
103	Min.	-69	-24237.30	1	-26280.60	1	-35222.40	9	-1176.58	1	-3345.96	1	-299.72	1	-1567.78	9	-9021.58	9
103	Min.	-72	-24237.30	1	-26280.60	1	-35222.40	9	-1176.58	1	-3345.96	1	-299.72	1	-1567.78	9	-9021.58	9
103	Min.	-82	-24237.30	1	-26280.60	1	-35222.40	9	-1176.58	1	-3345.96	1	-299.72	1	-1567.78	9	-9021.58	9
103	Min.	-81	-24237.30	1	-26280.60	1	-35222.40	9	-1176.58	1	-3345.96	1	-299.72	1	-1567.78	9	-9021.58	9
103	Max	-55	629.85	9	4753.69	5	5865.10	13	117.44	1	3277.42	9	597.17	9	7847.32	9	366.10	1
103	Max	-56	629.85	9	4753.69	5	5865.10	13	117.44	1	3277.42	9	597.17	9	7847.32	9	366.10	1
103	Max	-66	629.85	9	4753.69	5	5865.10	13	117.44	1	3277.42	9	597.17	9	7847.32	9	366.10	1
103	Max	-65	629.85	9	4753.69	5	5865.10	13	117.44	1	3277.42	9	597.17	9	7847.32	9	366.10	1
103	Min.	-55	-473.61	1	-29352.00	13	-7272.51	5	-86.36	9	-2848.09	1	-593.16	1	-6475.96	1	-209.10	9
103	Min.	-56	-473.61	1	-29352.00	13	-7272.51	5	-86.36	9	-2848.09	1	-593.16	1	-6475.96	1	-209.10	9
103	Min.	-66	-473.61	1	-29352.00	13	-7272.51	5	-86.36	9	-2848.09	1	-593.16	1	-6475.96	1	-209.10	9
103	Min.	-65	-473.61	1	-29352.00	13	-7272.51	5	-86.36	9	-2848.09	1	-593.16	1	-6475.96	1	-209.10	9
103	Max	-106	29974.50	9	446.50	1	20875.70	1	704.53	9	3800.13	9	161.44	9	6553.34	9	6473.45	9
103	Max	-105	29974.50	9	446.50	1	20875.70	1	704.53	9	3800.13	9	161.44	9	6553.34	9	6473.45	9
103	Max	-110	29974.50	9	446.50	1	20875.70	1	704.53	9	3800.13	9	161.44	9	6553.34	9	6473.45	9
103	Max	-113	29974.50	9	446.50	1	20875.70	1	704.53	9	3800.13	9	161.44	9	6553.34	9	6473.45	9
103	Min.	-106	-31725.60	1	-20479.70	9	-24595.80	9	-694.18	1	-4902.02	1	-343.39	1	-9026.50	1	-8576.54	1
103	Min.	-105	-31725.60	1	-20479.70	9	-24595.80	9	-694.18	1	-4902.02	1	-343.39	1	-9026.50	1	-8576.54	1
103	Min.	-110	-31725.60	1	-20479.70	9	-24595.80	9	-694.18	1	-4902.02	1	-343.39	1	-9026.50	1	-8576.54	1
103	Min.	-113	-31725.60	1	-20479.70	9	-24595.80	9	-694.18	1	-4902.02	1	-343.39	1	-9026.50	1	-8576.54	1
103	Max	-57	7089.54	13	9964.32	13	16739.00	5	468.65	1	2902.36	9	666.78	9	4540.50	9	4547.09	9
103	Max	-58	7089.54	13	9964.32	13	16739.00	5	468.65	1	2902.36	9	666.78	9	4540.50	9	4547.09	9
103	Max	-68	7089.54	13	9964.32	13	16739.00	5	468.65	1	2902.36	9	666.78	9	4540.50	9	4547.09	9
103	Max	-67	7089.54	13	9964.32	13	16739.00	5	468.65	1	2902.36	9	666.78	9	4540.50	9	4547.09	9
103	Min.	-57	-6793.89	5	-44909.10	5	-18996.10	13	-367.14	9	-2639.69	1	-612.96	1	-3541.91	1	-7254.58	1
103	Min.	-58	-6793.89	5	-44909.10	5	-18996.10	13	-367.14	9	-2639.69	1	-612.96	1	-3541.91	1	-7254.58	1
103	Min.	-68	-6793.89	5	-44909.10	5	-18996.10	13	-367.14	9	-2639.69	1	-612.96	1	-3541.91	1	-7254.58	1
103	Min.	-67	-6793.89	5	-44909.10	5	-18996.10	13	-367.14	9	-2639.69	1	-612.96	1	-3541.91	1	-7254.58	1
103	Max	-117	6244.25	9	7248.76	9	28712.60	13	-1.40	1	3353.18	1	1012.94	9	21246.30	9	3166.46	1
103	Max	-118	6244.25	9	7248.76	9	28712.60	13	-1.40	1	3353.18	1	1012.94	9	21246.30	9	3166.46	1
103	Max	-125	6244.25	9	7248.76	9	28712.60	13	-1.40	1	3353.18	1	1012.94	9	21246.30	9	3166.46	1
103	Max	-124	6244.25	9	7248.76	9	28712.60	13	-1.40	1	3353.18	1	1012.94	9	21246.30	9	3166.46	1
103	Min.	-117	-6429.44	1	-9078.99	1	-26417.70	5	-144.51	9	-3139.53	9	-1061.29	1	-21919.20	1	-3646.87	9
103	Min.	-118	-6429.44	1	-9078.99	1	-26417.70	5	-144.51	9	-3139.53	9	-1061.29	1	-21919.20	1	-3646.87	9
103	Min.	-125	-6429.44	1	-9078.99	1	-26417.70	5	-144.51	9	-3139.53	9	-1061.29	1	-21919.20	1	-3646.87	9
103	Min.	-124	-6429.44	1	-9078.99	1	-26417.70	5	-144.51	9	-3139.53	9	-1061.29	1	-21919.20	1	-3646.87	9
103	Max	-7	722.66	9	8232.48	13	9064.19	13	310.37	1	2815.47	1	454.67	9	2242.43	9	2320.07	9
103	Max	-12	722.66	9	8232.48	13	9064.19	13	310.37	1	2815.47	1	454.67	9	2242.43	9	2320.07	9
103	Max	-47	722.66	9	8232.48	13	9064.19	13	310.37	1	2815.47	1	454.67	9	2242.43	9	2320.07	9
103	Max	-46	722.66	9	8232.48	13	9064.19	13	310.37	1	2815.47	1	454.67	9	2242.43	9	2320.07	9
103	Min.	-7	-2719.22	1	-47644.70	5	-12460.90	5	-283.05	9	-2671.75	9	-400.43	1	-1478.16	1	-2229.05	1
103	Min.	-12	-2719.22	1	-47644.70	5	-12460.90	5	-283.05	9	-2671.75	9	-400.43	1	-1478.16	1	-2229.05	1
103	Min.	-47	-2719.22	1	-47644.70	5	-12460.90	5	-283.05	9	-2671.75	9	-400.43	1	-1478.16	1	-2229.05	1
103	Min.	-46	-2719.22	1	-47644.70	5	-12460.90	5	-283.05	9	-2671.75	9	-400.43	1	-1478.16	1	-2229.05	1
103	Max	-46	4598.38	9	8013.69	13	11201.10	13	350.59	1	2838.90	9	720.94	9	1544.84	9	1949.25	9
103	Max	-47	4598.38	9	8013.69	13	11201.10	13	350.59	1	2838.90	9	720.94	9	1544.84	9	1949.25	9
103	Max	-57	4598.38	9	8013.69	13	11201.10	13	350.59	1	2838.90	9	720.94	9	1544.84	9	1949.25	9
103	Max	-56	4598.38	9	8013.69	13	11201.10	13	350.59	1	2838.90	9	720.94	9	1544.84	9	1949.25	9
103	Min.	-46	-4270.28	1	-42360.50	5	-14076.90	5	-284.11	9	-2584.81	1	-664.30	1	-647.41	1	-2176.31	1
103	Min.	-47	-4270.28	1	-42360.50	5	-14076.90	5	-284.11	9	-2584.81	1	-664.30	1	-647.41	1	-2176.31	1
103	Min.	-57	-4270.28	1	-42360.50	5	-14076.90	5	-284.11	9	-2584.81	1	-664.30	1	-647.41	1	-2176.31	1
103	Min.	-56	-4270.28	1	-42360.50	5	-14076.90	5	-284.11	9	-2584.81	1	-664.30	1	-647.41	1	-2176.31	1
103	Max	-22	14006.70	9	-4950.57	9	17539.90	1	273.56	1	3674.54	1	471.80	9	13767.40	9	2095.89	9
103	Max	-27	14006.70	9	-4950.57	9	17539.90	1	273.56	1	3674.54	1	471.80	9	13767.40	9	2095.89	9
103	Max	-50	14006.70	9	-4950.57	9	17539.90	1	273.56	1	3674.54	1	471.80	9	13767.40	9	2095.89	9
103	Max	-49	14006.70	9	-4950.57	9	17539.90	1	273.56	1	3674.54	1	471.80	9	13767.40	9	2095.89	9
103	Min.	-22	-18159.30	1	-31197.50	1	-20267.90	9	-272.70	9	-3416.24	9	-433.02	1	-15033.00	1	-2020.88	1
103	Min.	-27	-18159.30	1	-31197.50	1	-20267.90	9	-272.70	9	-3416.24	9	-433.02	1	-15033.00	1	-2020.88	1
103	Min.	-50	-18159.30	1	-31197.50	1	-20267.90	9	-272.70	9	-3416.24	9	-433.02	1	-15033.00	1	-2020.88	1
103	Min.	-49	-18159.30	1	-31197.50	1	-20267.90	9	-272.70	9	-3416.24	9	-433.02	1	-15033.00	1	-2020.88	1
103	Max	-66	8920.89	9	4521.17	13	16659.00	5	431.90	9	3544.78	9	540.55	9	5623.36	9	4774.95	9
103	Max	-67	8920.89	9	4521.17	13	16659.00	5	431.90	9	3544.78	9	540.55	9	5623.36	9	4774.95	9
103	Max	-77	8920.89	9	4521.17	13	16659.00	5	431.90	9	3544.78	9	540.55	9	5623.36	9	4774.95	9
103	Max	-76	8920.89	9	4521.17	13	16659.00	5	431.90	9	3544.78	9	540.55	9	5623.36	9	4774.95	9
103	Min.	-66	-8872.34	1	-33389.90	5	-20077.60	13	-310.77	1	-3003.04	1	-591.29	1	-3032.05	1	-3947.55	1
103	Min.	-67	-8872.34	1	-33389.90	5	-20077.60	13	-310.77	1	-3003.04	1	-591.29	1	-3032.05	1	-3947.55	1
103	Min.	-77	-8872.34	1	-33389.90	5	-20077.60	13	-310.77	1	-3003.04	1	-591.29	1	-3032.05	1	-3947.55	1
103	Min.	-76	-8872.34	1	-33389.90	5	-20077.60	13	-310.77	1	-3003.04	1	-591.29	1	-3032.05	1	-3947.55	1
103	Max	-56	3756.89	13	6645.36	13	13632.50	13	419.44	1	3107.79	9	631.46	9	1357.53	9	353.23	1
103	Max	-57	3756.89	13	6645.36	13	13632.50	13	419.44	1	3107.79	9	631.46	9	1357.53	9	353.23	1
103	Max	-67	3756.89	13	6645.36	13	13632.50	13	419.44	1	3107.79	9	631.46	9	1357.53	9	353.23	1

103	Max	-66	3756.89	13	6645.36	13	13632.50	13	419.44	1	3107.79	9	631.46	9	1357.53	9	353.23	1
103	Min.	-56	-2986.34	5	-37835.40	5	-16473.40	5	-307.92	9	-2753.81	1	-623.01	1	13.96	1	-349.16	9
103	Min.	-57	-2986.34	5	-37835.40	5	-16473.40	5	-307.92	9	-2753.81	1	-623.01	1	13.96	1	-349.16	9
103	Min.	-67	-2986.34	5	-37835.40	5	-16473.40	5	-307.92	9	-2753.81	1	-623.01	1	13.96	1	-349.16	9
103	Min.	-66	-2986.34	5	-37835.40	5	-16473.40	5	-307.92	9	-2753.81	1	-623.01	1	13.96	1	-349.16	9
103	Max	-76	26290.90	9	-2343.92	13	17263.80	5	458.87	9	3857.15	9	604.75	9	3210.97	9	7069.03	1
103	Max	-77	26290.90	9	-2343.92	13	17263.80	5	458.87	9	3857.15	9	604.75	9	3210.97	9	7069.03	1
103	Max	-97	26290.90	9	-2343.92	13	17263.80	5	458.87	9	3857.15	9	604.75	9	3210.97	9	7069.03	1
103	Max	-92	26290.90	9	-2343.92	13	17263.80	5	458.87	9	3857.15	9	604.75	9	3210.97	9	7069.03	1
103	Min.	-76	-27141.70	1	-23081.80	5	-21526.80	13	-350.24	1	-3160.52	1	-647.73	1	-3916.18	1	-6511.18	9
103	Min.	-77	-27141.70	1	-23081.80	5	-21526.80	13	-350.24	1	-3160.52	1	-647.73	1	-3916.18	1	-6511.18	9
103	Min.	-97	-27141.70	1	-23081.80	5	-21526.80	13	-350.24	1	-3160.52	1	-647.73	1	-3916.18	1	-6511.18	9
103	Min.	-92	-27141.70	1	-23081.80	5	-21526.80	13	-350.24	1	-3160.52	1	-647.73	1	-3916.18	1	-6511.18	9
103	Max	-116	2713.16	13	19570.30	13	15643.60	13	87.13	1	2961.71	1	1142.56	9	28348.60	9	75.65	1
103	Max	-117	2713.16	13	19570.30	13	15643.60	13	87.13	1	2961.71	1	1142.56	9	28348.60	9	75.65	1
103	Max	-124	2713.16	13	19570.30	13	15643.60	13	87.13	1	2961.71	1	1142.56	9	28348.60	9	75.65	1
103	Max	-123	2713.16	13	19570.30	13	15643.60	13	87.13	1	2961.71	1	1142.56	9	28348.60	9	75.65	1
103	Min.	-116	-2815.15	5	-20686.00	5	-13628.70	5	-114.63	9	-2634.66	9	-1362.50	1	-32412.80	1	-920.63	9
103	Min.	-117	-2815.15	5	-20686.00	5	-13628.70	5	-114.63	9	-2634.66	9	-1362.50	1	-32412.80	1	-920.63	9
103	Min.	-124	-2815.15	5	-20686.00	5	-13628.70	5	-114.63	9	-2634.66	9	-1362.50	1	-32412.80	1	-920.63	9
103	Min.	-123	-2815.15	5	-20686.00	5	-13628.70	5	-114.63	9	-2634.66	9	-1362.50	1	-32412.80	1	-920.63	9
103	Max	-113	18793.50	9	6232.62	13	22048.40	13	291.82	1	3648.80	1	97.14	9	3452.07	1	4172.66	9
103	Max	-114	18793.50	9	6232.62	13	22048.40	13	291.82	1	3648.80	1	97.14	9	3452.07	1	4172.66	9
103	Max	-121	18793.50	9	6232.62	13	22048.40	13	291.82	1	3648.80	1	97.14	9	3452.07	1	4172.66	9
103	Max	-118	18793.50	9	6232.62	13	22048.40	13	291.82	1	3648.80	1	97.14	9	3452.07	1	4172.66	9
103	Min.	-113	-18149.10	1	-24680.00	5	-18714.60	5	-171.18	9	-2840.99	9	-250.38	1	-3454.95	9	-6541.19	1
103	Min.	-114	-18149.10	1	-24680.00	5	-18714.60	5	-171.18	9	-2840.99	9	-250.38	1	-3454.95	9	-6541.19	1
103	Min.	-121	-18149.10	1	-24680.00	5	-18714.60	5	-171.18	9	-2840.99	9	-250.38	1	-3454.95	9	-6541.19	1
103	Min.	-118	-18149.10	1	-24680.00	5	-18714.60	5	-171.18	9	-2840.99	9	-250.38	1	-3454.95	9	-6541.19	1
103	Max	-121	6001.97	9	15465.20	13	13117.20	13	200.16	1	2524.85	1	110.86	9	6062.12	1	626.25	9
103	Max	-122	6001.97	9	15465.20	13	13117.20	13	200.16	1	2524.85	1	110.86	9	6062.12	1	626.25	9
103	Max	-129	6001.97	9	15465.20	13	13117.20	13	200.16	1	2524.85	1	110.86	9	6062.12	1	626.25	9
103	Max	-126	6001.97	9	15465.20	13	13117.20	13	200.16	1	2524.85	1	110.86	9	6062.12	1	626.25	9
103	Min.	-121	-4742.48	1	-29635.20	5	-10955.80	5	-148.10	9	-2002.87	9	-205.63	1	-7479.67	9	-1580.26	1
103	Min.	-122	-4742.48	1	-29635.20	5	-10955.80	5	-148.10	9	-2002.87	9	-205.63	1	-7479.67	9	-1580.26	1
103	Min.	-129	-4742.48	1	-29635.20	5	-10955.80	5	-148.10	9	-2002.87	9	-205.63	1	-7479.67	9	-1580.26	1
103	Min.	-126	-4742.48	1	-29635.20	5	-10955.80	5	-148.10	9	-2002.87	9	-205.63	1	-7479.67	9	-1580.26	1
103	Max	-123	945.55	9	6488.90	13	13912.40	13	26.26	1	1021.73	1	1121.33	9	30269.30	9	541.90	1
103	Max	-124	945.55	9	6488.90	13	13912.40	13	26.26	1	1021.73	1	1121.33	9	30269.30	9	541.90	1
103	Max	-131	945.55	9	6488.90	13	13912.40	13	26.26	1	1021.73	1	1121.33	9	30269.30	9	541.90	1
103	Max	-130	945.55	9	6488.90	13	13912.40	13	26.26	1	1021.73	1	1121.33	9	30269.30	9	541.90	1
103	Min.	-123	-873.95	1	-6692.74	5	-12121.50	5	-51.54	9	-925.57	9	-1320.26	1	-34053.50	1	-604.58	9
103	Min.	-124	-873.95	1	-6692.74	5	-12121.50	5	-51.54	9	-925.57	9	-1320.26	1	-34053.50	1	-604.58	9
103	Min.	-131	-873.95	1	-6692.74	5	-12121.50	5	-51.54	9	-925.57	9	-1320.26	1	-34053.50	1	-604.58	9
103	Min.	-130	-873.95	1	-6692.74	5	-12121.50	5	-51.54	9	-925.57	9	-1320.26	1	-34053.50	1	-604.58	9
103	Max	-126	5764.23	1	12947.50	9	18739.70	9	88.92	1	1379.40	1	412.21	9	16909.50	9	1012.11	9
103	Max	-129	5764.23	1	12947.50	9	18739.70	9	88.92	1	1379.40	1	412.21	9	16909.50	9	1012.11	9
103	Max	-134	5764.23	1	12947.50	9	18739.70	9	88.92	1	1379.40	1	412.21	9	16909.50	9	1012.11	9
103	Max	-133	5764.23	1	12947.50	9	18739.70	9	88.92	1	1379.40	1	412.21	9	16909.50	9	1012.11	9
103	Min.	-126	-4590.65	9	-17598.50	1	-14938.80	1	-20.23	9	-1269.43	9	-464.92	1	-18476.70	1	-1934.71	1
103	Min.	-129	-4590.65	9	-17598.50	1	-14938.80	1	-20.23	9	-1269.43	9	-464.92	1	-18476.70	1	-1934.71	1
103	Min.	-134	-4590.65	9	-17598.50	1	-14938.80	1	-20.23	9	-1269.43	9	-464.92	1	-18476.70	1	-1934.71	1
103	Min.	-133	-4590.65	9	-17598.50	1	-14938.80	1	-20.23	9	-1269.43	9	-464.92	1	-18476.70	1	-1934.71	1
103	Max	-114	3948.47	9	20968.30	13	10075.30	13	109.79	1	3222.18	1	130.93	9	6693.60	1	174.51	9
103	Max	-115	3948.47	9	20968.30	13	10075.30	13	109.79	1	3222.18	1	130.93	9	6693.60	1	174.51	9
103	Max	-122	3948.47	9	20968.30	13	10075.30	13	109.79	1	3222.18	1	130.93	9	6693.60	1	174.51	9
103	Max	-121	3948.47	9	20968.30	13	10075.30	13	109.79	1	3222.18	1	130.93	9	6693.60	1	174.51	9
103	Min.	-114	-3821.07	1	-37527.80	5	-8690.78	5	-118.51	9	-2629.53	9	-135.98	1	-7135.68	9	-550.87	1
103	Min.	-115	-3821.07	1	-37527.80	5	-8690.78	5	-118.51	9	-2629.53	9	-135.98	1	-7135.68	9	-550.87	1
103	Min.	-122	-3821.07	1	-37527.80	5	-8690.78	5	-118.51	9	-2629.53	9	-135.98	1	-7135.68	9	-550.87	1
103	Min.	-121	-3821.07	1	-37527.80	5	-8690.78	5	-118.51	9	-2629.53	9	-135.98	1	-7135.68	9	-550.87	1
103	Max	-124	1602.78	13	2231.86	9	28580.60	13	29.34	1	1062.84	1	785.44	9	17246.00	9	2483.44	1
103	Max	-125	1602.78	13	2231.86	9	28580.60	13	29.34	1	1062.84	1	785.44	9	17246.00	9	2483.44	1
103	Max	-132	1602.78	13	2231.86	9	28580.60	13	29.34	1	1062.84	1	785.44	9	17246.00	9	2483.44	1
103	Max	-131	1602.78	13	2231.86	9	28580.60	13	29.34	1	1062.84	1	785.44	9	17246.00	9	2483.44	1
103	Min.	-124	-1639.76	5	-3619.27	1	-25590.00	5	-40.46	9	-951.83	9	-903.12	1	-18492.60	1	-2462.38	9
103	Min.	-125	-1639.76	5	-3619.27	1	-25590.00	5	-40.46	9	-951.83	9	-903.12	1	-18492.60	1	-2462.38	9
103	Min.	-132	-1639.76	5	-3619.27	1	-25590.00	5	-40.46	9	-951.83	9	-903.12	1	-18492.60	1	-2462.38	9
103	Min.	-131	-1639.76	5	-3619.27	1	-25590.00	5	-40.46	9	-951.83	9	-903.12	1	-18492.60	1	-2462.38	9
103	Max	-109	12571.90	9	34910.20	13	20437.50	13	34.26	1	5091.00	1	1244.37	9	30800.50	9	2544.53	1
103	Max	-110	12571.90	9	34910.20	13	20437.50	13	34.26	1	5091.00	1	1244.37	9	30800.50	9	2544.53	1
103	Max	-117	12571.90	9	34910.20	13	20437.50	13	34.26	1	5091.00	1	1244.37	9	30800.50	9	2544.53	1
103	Max	-116	12571.90	9	34910.20	13	20437.50	13	34.26	1	5091.00	1	1244.37	9	30800.50	9	2544.53	1
103	Min.	-109	-10851.30	1	-35282.80	5	-18331.50	5	-158.71	9	-4537.39	9	-1342.80	1	-36010.90	1	-5208.27	9
103	Min.	-110	-10851.30	1	-35282.80	5	-18331.50	5	-158.71	9	-4537.39	9	-1342.80	1	-36010.90	1	-5208.27	9
103	Min.	-117	-10851.30	1	-35282.80	5	-18331.50	5	-158.71	9	-4537.39	9	-1342.80	1	-36010.90	1	-5208.27	9
103	Min.	-116	-10851.30	1	-35282.80	5	-18331.50	5	-158.71	9	-4537.39	9	-1342.80	1	-36010.90	1	-5208.27	9
103	Max	-105	21779.00	13	53751.30	13	28928.80	5	180.88	9	6166.61	9	420.20	9	38749.60	9	19195.20	1
103	Max	-102	21779.00	13	53751.30	13	28928.80	5	180.88	9	6166.61	9	420.20	9	38749.60	9	19195.20	1
103	Max	-109	21779.00	13	53751.30	13	28928.80	5	180.88	9	6166.61	9	420.20	9	38749.60	9	19195.20	1
103	Max	-110	21779.00	13	53751.30	13	28928.80	5	180.88	9	6166.61	9	420.20	9	38749.60	9	19195.20	1
103	Min.	-105	-21559.10	5	-57890.70	5	-33799.80	13	-293.95	1	-7622.10	1	-370.79	1	-31145.90	1	-24699.80	9
103	Min.	-102	-21559.10	5	-57890.70	5	-33799.80	13	-293.95	1	-7622.10	1	-370.79	1	-31145.90	1	-24699.80	9
103	Min.	-109	-21559.10	5	-57890.70	5	-33799.80	13	-293.95	1	-7622.10	1	-370.79	1	-31145.90	1	-24699.80	9
103	Min.	-110	-21559.10	5	-57890.70	5	-33799.80	13	-293.95	1	-7622.10	1	-370.79	1	-31145.90	1	-24699.80	9
103	Max	-113	17400.90	9	-1100.76	13	26164.30	5	340.00	9	3854.63	9	817.19	9	8327.05	9	5189.29	9
103	Max	-110	17400.90	9	-1100.76	13	26164.30	5	340.00	9	3854.63	9	817.19	9	8327.05	9	5189.29	9
103	Max	-117	17400.90	9	-1100.76	13	26164.30	5	340.00	9	3854.63	9	817.19	9	8327.05	9	5189.29	9
103	Max	-118	17400.90	9	-1100.76	13	26164.30	5	340.00	9	3854.63	9	817.19	9	8327.05	9	5189.29	9
103	Min.	-113	-19052.30	1	-10617.80	5	-27515.60	13	-271.64	1	-4490.41	1	-976.07	1	-8612.48	1	-7006.19	1
103	Min.	-110	-19052.30	1	-10617.80	5	-27515.60	13	-271.64	1	-4490.41	1	-976.07	1	-8612.48	1	-7006.19	1
103	Min.	-117	-19052.30	1	-10617.80	5	-27515.60	13	-271.64	1	-4490.41	1	-976.07	1	-8612.48	1	-7006.19	1
103	Min.	-118	-19052.30	1	-10617.80	5	-27515.60	13	-271.64	1	-4490.41	1	-976.07	1	-8612.48	1	-7006.19	1
103	Max	-83	6119.39	9	32361.20	5	9844.80	9	125.60	9	3808.50	1	433.18	9	6808.69	1	2366.68	1
103	Max	-84	6119.39	9	32361.20	5	9844.80	9	125.60	9	3808.50	1	433.18	9	6808.69	1	2366.68	1
103	Max	-108	6119.39	9	32361.20	5	9844.80	9	125.60	9	3808.50	1	433.18	9	6808.69	1	2366.68	1
103	Max	-107	6119.39	9	32361.20	5	9844.80	9	125.60	9	3808.50	1	433.18	9	6808.69	1	2366.68	1
103	Min.	-83	-6395.24	1	-56894.60	13	-8097.07	1	-111.86	1	-3168.55	9	-403.42	1	-6668.47	9	-2576.66	9
103	Min.	-84	-6395.24	1	-56894.60	13	-8097.07	1	-111.86	1	-3168.55	9	-403.42	1	-6668.47	9	-2576.66	9
103	Min.	-108	-6395.24	1	-56894.60	13	-8097.07	1	-111.86	1	-3168.55	9	-403.42	1	-6668.47	9	-2576.66	9
103	Min.	-107	-6395.24	1	-56894.60	13	-8097.07	1	-111.86	1	-3168.55	9	-403.42	1	-6668.47	9	-2576.66	9
103	Max	-78	19223.50	13	22684.70	13	24435.30	1	155.21	9	5337.18	9	528.19	9	30458.30	1	23549.50	9
103	Max	-81	19223.50	13	22684.70	13	24435.30	1	155.21	9	5337.18	9	528.19	9	30458.30	1	23549.50	9
103	Max	-105	19223.50	13	22684.70	13	24435.30	1	155.21	9	5337.18	9	528.19	9	30458.30	1	23549.50	9
103	Max	-102	19223.50	13	22684.70	13	24435.30	1	155.21	9	5337.18	9	528.19	9	30458.30	1	23549.50	9

103	Min.	-78	-22235.90	5	-50886.20	5	-18828.20	9	-33.78	1	-4240.68	1	-535.38	1	-20446.90	9	-32613.70	1
103	Min.	-81	-22235.90	5	-50886.20	5	-18828.20	9	-33.78	1	-4240.68	1	-535.38	1	-20446.90	9	-32613.70	1
103	Min.	-105	-22235.90	5	-50886.20	5	-18828.20	9	-33.78	1	-4240.68	1	-535.38	1	-20446.90	9	-32613.70	1
103	Min.	-102	-22235.90	5	-50886.20	5	-18828.20	9	-33.78	1	-4240.68	1	-535.38	1	-20446.90	9	-32613.70	1
103	Max	-77	41580.10	9	36281.70	9	26934.40	5	851.75	9	4474.96	9	607.21	9	19426.20	9	7454.49	1
103	Max	-78	41580.10	9	36281.70	9	26934.40	5	851.75	9	4474.96	9	607.21	9	19426.20	9	7454.49	1
103	Max	-102	41580.10	9	36281.70	9	26934.40	5	851.75	9	4474.96	9	607.21	9	19426.20	9	7454.49	1
103	Max	-97	41580.10	9	36281.70	9	26934.40	5	851.75	9	4474.96	9	607.21	9	19426.20	9	7454.49	1
103	Min.	-77	-42096.10	1	-74789.20	1	-29339.70	13	-553.26	1	-3633.89	1	-694.12	1	-11403.60	1	-6628.64	9
103	Min.	-78	-42096.10	1	-74789.20	1	-29339.70	13	-553.26	1	-3633.89	1	-694.12	1	-11403.60	1	-6628.64	9
103	Min.	-102	-42096.10	1	-74789.20	1	-29339.70	13	-553.26	1	-3633.89	1	-694.12	1	-11403.60	1	-6628.64	9
103	Min.	-97	-42096.10	1	-74789.20	1	-29339.70	13	-553.26	1	-3633.89	1	-694.12	1	-11403.60	1	-6628.64	9
103	Max	-75	7060.35	9	807.52	1	8262.55	1	164.81	9	3668.48	9	506.77	9	6077.43	9	7337.85	1
103	Max	-76	7060.35	9	807.52	1	8262.55	1	164.81	9	3668.48	9	506.77	9	6077.43	9	7337.85	1
103	Max	-92	7060.35	9	807.52	1	8262.55	1	164.81	9	3668.48	9	506.77	9	6077.43	9	7337.85	1
103	Max	-87	7060.35	9	807.52	1	8262.55	1	164.81	9	3668.48	9	506.77	9	6077.43	9	7337.85	1
103	Min.	-75	-7771.10	1	-16492.70	9	-9108.93	9	-142.50	1	-2987.30	1	-533.18	1	-4919.16	1	-7754.04	9
103	Min.	-76	-7771.10	1	-16492.70	9	-9108.93	9	-142.50	1	-2987.30	1	-533.18	1	-4919.16	1	-7754.04	9
103	Min.	-92	-7771.10	1	-16492.70	9	-9108.93	9	-142.50	1	-2987.30	1	-533.18	1	-4919.16	1	-7754.04	9
103	Min.	-87	-7771.10	1	-16492.70	9	-9108.93	9	-142.50	1	-2987.30	1	-533.18	1	-4919.16	1	-7754.04	9
103	Max	-82	18549.10	9	10079.40	13	24095.80	9	396.69	9	4004.33	9	360.94	9	2597.43	1	3764.31	1
103	Max	-83	18549.10	9	10079.40	13	24095.80	9	396.69	9	4004.33	9	360.94	9	2597.43	1	3764.31	1
103	Max	-107	18549.10	9	10079.40	13	24095.80	9	396.69	9	4004.33	9	360.94	9	2597.43	1	3764.31	1
103	Max	-106	18549.10	9	10079.40	13	24095.80	9	396.69	9	4004.33	9	360.94	9	2597.43	1	3764.31	1
103	Min.	-82	-20161.30	1	-33513.10	5	-20343.10	1	-405.27	1	-3323.40	1	-332.33	1	-1734.21	9	-4181.19	9
103	Min.	-83	-20161.30	1	-33513.10	5	-20343.10	1	-405.27	1	-3323.40	1	-332.33	1	-1734.21	9	-4181.19	9
103	Min.	-107	-20161.30	1	-33513.10	5	-20343.10	1	-405.27	1	-3323.40	1	-332.33	1	-1734.21	9	-4181.19	9
103	Min.	-106	-20161.30	1	-33513.10	5	-20343.10	1	-405.27	1	-3323.40	1	-332.33	1	-1734.21	9	-4181.19	9
103	Max	-81	41039.70	9	8499.68	1	17224.20	13	707.63	9	4892.73	9	614.76	9	6188.08	1	5156.56	1
103	Max	-82	41039.70	9	8499.68	1	17224.20	13	707.63	9	4892.73	9	614.76	9	6188.08	1	5156.56	1
103	Max	-106	41039.70	9	8499.68	1	17224.20	13	707.63	9	4892.73	9	614.76	9	6188.08	1	5156.56	1
103	Max	-105	41039.70	9	8499.68	1	17224.20	13	707.63	9	4892.73	9	614.76	9	6188.08	1	5156.56	1
103	Min.	-81	-42754.70	1	-25952.20	9	-13264.50	5	-748.67	1	-3919.73	1	-457.40	1	-5131.41	9	-5434.88	9
103	Min.	-82	-42754.70	1	-25952.20	9	-13264.50	5	-748.67	1	-3919.73	1	-457.40	1	-5131.41	9	-5434.88	9
103	Min.	-106	-42754.70	1	-25952.20	9	-13264.50	5	-748.67	1	-3919.73	1	-457.40	1	-5131.41	9	-5434.88	9
103	Min.	-105	-42754.70	1	-25952.20	9	-13264.50	5	-748.67	1	-3919.73	1	-457.40	1	-5131.41	9	-5434.88	9
103	Max	-106	15305.70	9	8028.31	13	19966.90	13	345.79	1	3978.03	1	177.09	9	3115.96	1	1450.91	9
103	Max	-107	15305.70	9	8028.31	13	19966.90	13	345.79	1	3978.03	1	177.09	9	3115.96	1	1450.91	9
103	Max	-114	15305.70	9	8028.31	13	19966.90	13	345.79	1	3978.03	1	177.09	9	3115.96	1	1450.91	9
103	Max	-113	15305.70	9	8028.31	13	19966.90	13	345.79	1	3978.03	1	177.09	9	3115.96	1	1450.91	9
103	Min.	-106	-15618.70	1	-27148.10	5	-16763.90	5	-350.59	9	-3250.00	9	-177.56	1	-3036.84	9	-1773.82	1
103	Min.	-107	-15618.70	1	-27148.10	5	-16763.90	5	-350.59	9	-3250.00	9	-177.56	1	-3036.84	9	-1773.82	1
103	Min.	-114	-15618.70	1	-27148.10	5	-16763.90	5	-350.59	9	-3250.00	9	-177.56	1	-3036.84	9	-1773.82	1
103	Min.	-113	-15618.70	1	-27148.10	5	-16763.90	5	-350.59	9	-3250.00	9	-177.56	1	-3036.84	9	-1773.82	1
103	Max	-72	38547.10	9	10878.30	13	33609.70	1	291.80	9	4448.96	9	806.83	9	2500.04	1	9208.00	1
103	Max	-73	38547.10	9	10878.30	13	33609.70	1	291.80	9	4448.96	9	806.83	9	2500.04	1	9208.00	1
103	Max	-83	38547.10	9	10878.30	13	33609.70	1	291.80	9	4448.96	9	806.83	9	2500.04	1	9208.00	1
103	Max	-82	38547.10	9	10878.30	13	33609.70	1	291.80	9	4448.96	9	806.83	9	2500.04	1	9208.00	1
103	Min.	-72	-40831.50	1	-35135.20	5	-28164.40	9	-185.17	1	-3774.92	1	-661.66	1	-1473.95	9	-10237.80	9
103	Min.	-73	-40831.50	1	-35135.20	5	-28164.40	9	-185.17	1	-3774.92	1	-661.66	1	-1473.95	9	-10237.80	9
103	Min.	-83	-40831.50	1	-35135.20	5	-28164.40	9	-185.17	1	-3774.92	1	-661.66	1	-1473.95	9	-10237.80	9
103	Min.	-82	-40831.50	1	-35135.20	5	-28164.40	9	-185.17	1	-3774.92	1	-661.66	1	-1473.95	9	-10237.80	9
103	Max	-48	14317.50	9	2616.63	13	16617.80	1	214.03	9	2765.86	9	684.67	9	4435.50	9	2635.26	9
103	Max	-49	14317.50	9	2616.63	13	16617.80	1	214.03	9	2765.86	9	684.67	9	4435.50	9	2635.26	9
103	Max	-59	14317.50	9	2616.63	13	16617.80	1	214.03	9	2765.86	9	684.67	9	4435.50	9	2635.26	9
103	Max	-58	14317.50	9	2616.63	13	16617.80	1	214.03	9	2765.86	9	684.67	9	4435.50	9	2635.26	9
103	Min.	-48	-16218.40	1	-38913.70	5	-19191.90	9	-227.00	1	-2559.14	1	-595.99	1	-4726.37	1	-3361.23	1
103	Min.	-49	-16218.40	1	-38913.70	5	-19191.90	9	-227.00	1	-2559.14	1	-595.99	1	-4726.37	1	-3361.23	1
103	Min.	-59	-16218.40	1	-38913.70	5	-19191.90	9	-227.00	1	-2559.14	1	-595.99	1	-4726.37	1	-3361.23	1
103	Min.	-58	-16218.40	1	-38913.70	5	-19191.90	9	-227.00	1	-2559.14	1	-595.99	1	-4726.37	1	-3361.23	1
103	Max	-47	8326.72	9	7730.15	13	12546.80	13	471.91	1	2853.14	9	767.38	9	1427.01	9	2576.20	9
103	Max	-48	8326.72	9	7730.15	13	12546.80	13	471.91	1	2853.14	9	767.38	9	1427.01	9	2576.20	9
103	Max	-58	8326.72	9	7730.15	13	12546.80	13	471.91	1	2853.14	9	767.38	9	1427.01	9	2576.20	9
103	Max	-57	8326.72	9	7730.15	13	12546.80	13	471.91	1	2853.14	9	767.38	9	1427.01	9	2576.20	9
103	Min.	-47	-8337.63	1	-44295.80	5	-15642.30	5	-408.99	9	-2621.10	1	-673.73	1	-739.02	1	-2466.85	1
103	Min.	-48	-8337.63	1	-44295.80	5	-15642.30	5	-408.99	9	-2621.10	1	-673.73	1	-739.02	1	-2466.85	1
103	Min.	-58	-8337.63	1	-44295.80	5	-15642.30	5	-408.99	9	-2621.10	1	-673.73	1	-739.02	1	-2466.85	1
103	Min.	-57	-8337.63	1	-44295.80	5	-15642.30	5	-408.99	9	-2621.10	1	-673.73	1	-739.02	1	-2466.85	1
103	Max	-45	1896.30	13	9434.37	5	5751.43	13	131.29	1	3000.46	1	707.03	9	8203.59	9	2022.81	9
103	Max	-46	1896.30	13	9434.37	5	5751.43	13	131.29	1	3000.46	1	707.03	9	8203.59	9	2022.81	9
103	Max	-56	1896.30	13	9434.37	5	5751.43	13	131.29	1	3000.46	1	707.03	9	8203.59	9	2022.81	9
103	Max	-55	1896.30	13	9434.37	5	5751.43	13	131.29	1	3000.46	1	707.03	9	8203.59	9	2022.81	9
103	Min.	-45	-1157.27	5	-38138.70	13	-6743.28	5	-99.44	9	-2700.62	9	-674.20	1	-6777.17	1	-1812.50	1
103	Min.	-46	-1157.27	5	-38138.70	13	-6743.28	5	-99.44	9	-2700.62	9	-674.20	1	-6777.17	1	-1812.50	1
103	Min.	-56	-1157.27	5	-38138.70	13	-6743.28	5	-99.44	9	-2700.62	9	-674.20	1	-6777.17	1	-1812.50	1
103	Min.	-55	-1157.27	5	-38138.70	13	-6743.28	5	-99.44	9	-2700.62	9	-674.20	1	-6777.17	1	-1812.50	1
103	Max	-12	2137.02	9	5408.79	13	8355.67	13	362.42	1	3158.10	1	480.46	9	2610.11	9	712.95	9
103	Max	-17	2137.02	9	5408.79	13	8355.67	13	362.42	1	3158.10	1	480.46	9	2610.11	9	712.95	9
103	Max	-48	2137.02	9	5408.79	13	8355.67	13	362.42	1	3158.10	1	480.46	9	2610.11	9	712.95	9
103	Max	-47	2137.02	9	5408.79	13	8355.67	13	362.42	1	3158.10	1	480.46	9	2610.11	9	712.95	9
103	Min.	-12	-4744.54	1	-46066.40	5	-12572.70	5	-338.16	9	-2987.27	9	-415.77	1	-2160.60	1	-743.12	1
103	Min.	-17	-4744.54	1	-46066.40	5	-12572.70	5	-338.16	9	-2987.27	9	-415.77	1	-2160.60	1	-743.12	1
103	Min.	-48	-4744.54	1	-46066.40	5	-12572.70	5	-338.16	9	-2987.27	9	-415.77	1	-2160.60	1	-743.12	1
103	Min.	-47	-4744.54	1	-46066.40	5	-12572.70	5	-338.16	9	-2987.27	9	-415.77	1	-2160.60	1	-743.12	1
103	Max	-59	10882.70	13	19025.40	9	48901.60	1	725.57	9	2004.71	9	208.38	9	434.70	13	12319.70	9
103	Max	-60	10882.70	13	19025.40	9	48901.60	1	725.57	9	2004.71	9	208.38	9	434.70	13	12319.70	9
103	Max	-72	10882.70	13	19025.40	9	48901.60	1	725.57	9	2004.71	9	208.38	9	434.70	13	12319.70	9
103	Max	-69	10882.70	13	19025.40	9	48901.60	1	725.57	9	2004.71	9	208.38	9	434.70	13	12319.70	9
103	Min.	-59	-15134.60	5	-54447.40	1	-48142.20	9	-972.82	1	-1947.59	1	-284.36	1	-1894.81	5	-14262.20	1
103	Min.	-60	-15134.60	5	-54447.40	1	-48142.20	9	-972.82	1	-1947.59	1	-284.36	1	-1894.81	5	-14262.20	1
103	Min.	-72	-15134.60	5	-54447.40	1	-48142.20	9	-972.82	1	-1947.59	1	-284.36	1	-1894.81	5	-14262.20	1
103	Min.	-69	-15134.60	5	-54447.40	1	-48142.20	9	-972.82	1	-1947.59	1	-284.36	1	-1894.81	5	-14262.20	1
103	Max	-27	25518.60	9	4847.92	1	52801.30	1	27.33	13	3549.54	1	215.87	9	16916.50	9	5724.24	9
103	Max	-32	25518.60	9	4847.92	1	52801.30	1	27.33	13	3549.54	1	215.87	9	16916.50	9	5724.24	9
103	Max	-51	25518.60	9	4847.92	1	52801.30	1	27.33	13	3549.54	1	215.87	9	16916.50	9	5724.24	9
103	Max	-50	25518.60	9	4847.92	1	52801.30	1	27.33	13	3549.54	1	215.87	9	16916.50	9	5724.24	9
103	Min.	-27	-30429.30	1	-37560.80	9	-50403.00	9	-33.52	5	-3274.81	9	-212.22	1	-18856.70	1	-6532.42	1
103	Min.	-32	-30429.30	1	-37560.80	9	-50403.00	9	-33.52	5	-3274.81	9	-212.22	1	-18856.70	1	-6532.42	1
103	Min.	-51	-30429.30	1	-37560.80	9	-50403.00	9	-33.52	5	-3274.81	9	-212.22	1	-18856.70	1	-6532.42	1
103	Min.	-50	-30429.30	1	-37560.80	9	-50403.00	9	-33.52	5	-3274.81	9	-212.22	1	-18856.70	1	-6532.42	1
103	Max	-125	1945.51	9	2216.11	5	28955.30	13	136.39	1	1300.51	1	694.95	9	33004.00	9	2772.50	1
103	Max	-126	1945.51	9	2216.11	5	28955.30	13	136.39	1	1300.51	1	694.95	9	33004.00	9	2772.50	1
103	Max	-133	1945.51	9	2216.11	5	28955.30	13	136.39	1	1300.51	1	694.95	9	33004.00	9	2772.50	1
103	Max	-132	1945.51	9	2216.11	5	28955.30	13	136.39	1	1300.51	1	694.95	9	33004.00	9	2772.50	1
103	Min.	-125	-2543.29	1	-2157.12	13	-26436.90	5	-177.03	9	-1299.17	9	-702.56	1	-33245.70	1	-2023.58	9

103	Min.	-126	-2543.29	1	-2157.12	13	-26436.90	5	-177.03	9	-1299.17	9	-702.56	1	-33245.70	1	-2023.58	9
103	Min.	-133	-2543.29	1	-2157.12	13	-26436.90	5	-177.03	9	-1299.17	9	-702.56	1	-33245.70	1	-2023.58	9
103	Min.	-132	-2543.29	1	-2157.12	13	-26436.90	5	-177.03	9	-1299.17	9	-702.56	1	-33245.70	1	-2023.58	9
103	Max	-60	37578.70	9	23004.30	9	61784.40	1	1146.80	9	3533.37	9	154.19	9	4792.48	9	3242.65	1
103	Max	-63	37578.70	9	23004.30	9	61784.40	1	1146.80	9	3533.37	9	154.19	9	4792.48	9	3242.65	1
103	Max	-73	37578.70	9	23004.30	9	61784.40	1	1146.80	9	3533.37	9	154.19	9	4792.48	9	3242.65	1
103	Max	-72	37578.70	9	23004.30	9	61784.40	1	1146.80	9	3533.37	9	154.19	9	4792.48	9	3242.65	1
103	Min.	-60	-42380.40	1	-56372.00	1	-56507.90	9	-1152.37	1	-3277.75	1	-163.63	1	-4683.54	1	-4351.64	9
103	Min.	-63	-42380.40	1	-56372.00	1	-56507.90	9	-1152.37	1	-3277.75	1	-163.63	1	-4683.54	1	-4351.64	9
103	Min.	-73	-42380.40	1	-56372.00	1	-56507.90	9	-1152.37	1	-3277.75	1	-163.63	1	-4683.54	1	-4351.64	9
103	Min.	-72	-42380.40	1	-56372.00	1	-56507.90	9	-1152.37	1	-3277.75	1	-163.63	1	-4683.54	1	-4351.64	9
103	Max	-50	37582.90	9	67085.40	1	63260.60	1	1434.60	9	982.92	9	767.54	9	18033.20	9	22338.30	9
103	Max	-51	37582.90	9	67085.40	1	63260.60	1	1434.60	9	982.92	9	767.54	9	18033.20	9	22338.30	9
103	Max	-63	37582.90	9	67085.40	1	63260.60	1	1434.60	9	982.92	9	767.54	9	18033.20	9	22338.30	9
103	Max	-60	37582.90	9	67085.40	1	63260.60	1	1434.60	9	982.92	9	767.54	9	18033.20	9	22338.30	9
103	Min.	-50	-44335.00	1	-105231.00	9	-59601.70	9	-1595.53	1	-1006.99	1	-870.32	1	-20847.90	1	-22953.80	1
103	Min.	-51	-44335.00	1	-105231.00	9	-59601.70	9	-1595.53	1	-1006.99	1	-870.32	1	-20847.90	1	-22953.80	1
103	Min.	-63	-44335.00	1	-105231.00	9	-59601.70	9	-1595.53	1	-1006.99	1	-870.32	1	-20847.90	1	-22953.80	1
103	Min.	-60	-44335.00	1	-105231.00	9	-59601.70	9	-1595.53	1	-1006.99	1	-870.32	1	-20847.90	1	-22953.80	1
103	Max	-58	10340.20	13	7378.60	13	23531.70	1	234.37	9	2862.60	9	709.14	9	3278.20	9	2971.25	9
103	Max	-59	10340.20	13	7378.60	13	23531.70	1	234.37	9	2862.60	9	709.14	9	3278.20	9	2971.25	9
103	Max	-69	10340.20	13	7378.60	13	23531.70	1	234.37	9	2862.60	9	709.14	9	3278.20	9	2971.25	9
103	Max	-68	10340.20	13	7378.60	13	23531.70	1	234.37	9	2862.60	9	709.14	9	3278.20	9	2971.25	9
103	Min.	-58	-11506.50	5	-41664.30	5	-24022.90	9	-224.32	1	-2609.63	1	-612.17	1	-3175.27	1	-4021.39	1
103	Min.	-59	-11506.50	5	-41664.30	5	-24022.90	9	-224.32	1	-2609.63	1	-612.17	1	-3175.27	1	-4021.39	1
103	Min.	-69	-11506.50	5	-41664.30	5	-24022.90	9	-224.32	1	-2609.63	1	-612.17	1	-3175.27	1	-4021.39	1
103	Min.	-68	-11506.50	5	-41664.30	5	-24022.90	9	-224.32	1	-2609.63	1	-612.17	1	-3175.27	1	-4021.39	1
103	Max	-121	15656.40	9	4961.32	13	26414.40	5	128.26	9	2908.32	9	504.83	9	18579.20	1	4377.81	1
103	Max	-118	15656.40	9	4961.32	13	26414.40	5	128.26	9	2908.32	9	504.83	9	18579.20	1	4377.81	1
103	Max	-125	15656.40	9	4961.32	13	26414.40	5	128.26	9	2908.32	9	504.83	9	18579.20	1	4377.81	1
103	Max	-126	15656.40	9	4961.32	13	26414.40	5	128.26	9	2908.32	9	504.83	9	18579.20	1	4377.81	1
103	Min.	-121	-15872.20	1	-14214.80	5	-28895.90	13	-221.94	1	-3300.19	1	-584.58	1	-17060.60	9	-6363.23	9
103	Min.	-118	-15872.20	1	-14214.80	5	-28895.90	13	-221.94	1	-3300.19	1	-584.58	1	-17060.60	9	-6363.23	9
103	Min.	-125	-15872.20	1	-14214.80	5	-28895.90	13	-221.94	1	-3300.19	1	-584.58	1	-17060.60	9	-6363.23	9
103	Min.	-126	-15872.20	1	-14214.80	5	-28895.90	13	-221.94	1	-3300.19	1	-584.58	1	-17060.60	9	-6363.23	9
103	Max	-63	13958.70	9	50488.00	13	40259.70	1	457.41	9	4631.30	9	925.91	9	9452.82	1	812.13	1
103	Max	-64	13958.70	9	50488.00	13	40259.70	1	457.41	9	4631.30	9	925.91	9	9452.82	1	812.13	1
103	Max	-74	13958.70	9	50488.00	13	40259.70	1	457.41	9	4631.30	9	925.91	9	9452.82	1	812.13	1
103	Max	-73	13958.70	9	50488.00	13	40259.70	1	457.41	9	4631.30	9	925.91	9	9452.82	1	812.13	1
103	Min.	-63	-14764.70	1	-85888.50	5	-36011.60	9	-396.25	1	-4156.41	1	-827.44	1	-8120.62	9	-1426.04	9
103	Min.	-64	-14764.70	1	-85888.50	5	-36011.60	9	-396.25	1	-4156.41	1	-827.44	1	-8120.62	9	-1426.04	9
103	Min.	-74	-14764.70	1	-85888.50	5	-36011.60	9	-396.25	1	-4156.41	1	-827.44	1	-8120.62	9	-1426.04	9
103	Min.	-73	-14764.70	1	-85888.50	5	-36011.60	9	-396.25	1	-4156.41	1	-827.44	1	-8120.62	9	-1426.04	9
103	Max	-32	29490.70	9	200731.00	1	103294.00	1	873.75	9	2285.79	9	802.65	9	14078.00	9	3971.63	9
103	Max	-37	29490.70	9	200731.00	1	103294.00	1	873.75	9	2285.79	9	802.65	9	14078.00	9	3971.63	9
103	Max	-54	29490.70	9	200731.00	1	103294.00	1	873.75	9	2285.79	9	802.65	9	14078.00	9	3971.63	9
103	Max	-51	29490.70	9	200731.00	1	103294.00	1	873.75	9	2285.79	9	802.65	9	14078.00	9	3971.63	9
103	Min.	-32	-34527.90	1	-246367.00	9	-90047.30	9	-935.12	1	-2081.48	1	-881.80	1	-16205.10	1	-3732.52	1
103	Min.	-37	-34527.90	1	-246367.00	9	-90047.30	9	-935.12	1	-2081.48	1	-881.80	1	-16205.10	1	-3732.52	1
103	Min.	-54	-34527.90	1	-246367.00	9	-90047.30	9	-935.12	1	-2081.48	1	-881.80	1	-16205.10	1	-3732.52	1
103	Min.	-51	-34527.90	1	-246367.00	9	-90047.30	9	-935.12	1	-2081.48	1	-881.80	1	-16205.10	1	-3732.52	1
103	Max	-17	6279.94	9	768.89	13	7841.37	5	380.23	1	3447.10	1	521.65	9	4681.60	9	1533.59	9
103	Max	-22	6279.94	9	768.89	13	7841.37	5	380.23	1	3447.10	1	521.65	9	4681.60	9	1533.59	9
103	Max	-49	6279.94	9	768.89	13	7841.37	5	380.23	1	3447.10	1	521.65	9	4681.60	9	1533.59	9
103	Max	-48	6279.94	9	768.89	13	7841.37	5	380.23	1	3447.10	1	521.65	9	4681.60	9	1533.59	9
103	Min.	-17	-9285.97	1	-40135.20	5	-11988.20	13	-366.55	9	-3233.38	9	-458.31	1	-4717.57	1	-1488.29	1
103	Min.	-22	-9285.97	1	-40135.20	5	-11988.20	13	-366.55	9	-3233.38	9	-458.31	1	-4717.57	1	-1488.29	1
103	Min.	-49	-9285.97	1	-40135.20	5	-11988.20	13	-366.55	9	-3233.38	9	-458.31	1	-4717.57	1	-1488.29	1
103	Min.	-48	-9285.97	1	-40135.20	5	-11988.20	13	-366.55	9	-3233.38	9	-458.31	1	-4717.57	1	-1488.29	1
103	Max	-107	4136.30	9	25692.60	5	8271.36	13	118.84	1	3571.20	1	272.48	9	6856.91	1	737.37	9
103	Max	-108	4136.30	9	25692.60	5	8271.36	13	118.84	1	3571.20	1	272.48	9	6856.91	1	737.37	9
103	Max	-115	4136.30	9	25692.60	5	8271.36	13	118.84	1	3571.20	1	272.48	9	6856.91	1	737.37	9
103	Max	-114	4136.30	9	25692.60	5	8271.36	13	118.84	1	3571.20	1	272.48	9	6856.91	1	737.37	9
103	Min.	-107	-4259.36	1	-46275.20	13	-6862.14	5	-103.33	9	-2914.50	9	-274.79	1	-6923.45	9	-1149.52	1
103	Min.	-108	-4259.36	1	-46275.20	13	-6862.14	5	-103.33	9	-2914.50	9	-274.79	1	-6923.45	9	-1149.52	1
103	Min.	-115	-4259.36	1	-46275.20	13	-6862.14	5	-103.33	9	-2914.50	9	-274.79	1	-6923.45	9	-1149.52	1
103	Min.	-114	-4259.36	1	-46275.20	13	-6862.14	5	-103.33	9	-2914.50	9	-274.79	1	-6923.45	9	-1149.52	1
103	Max	-65	2580.90	13	-366.33	5	5279.89	5	122.66	9	3516.52	9	573.61	9	5710.14	9	3667.24	9
103	Max	-66	2580.90	13	-366.33	5	5279.89	5	122.66	9	3516.52	9	573.61	9	5710.14	9	3667.24	9
103	Max	-76	2580.90	13	-366.33	5	5279.89	5	122.66	9	3516.52	9	573.61	9	5710.14	9	3667.24	9
103	Max	-75	2580.90	13	-366.33	5	5279.89	5	122.66	9	3516.52	9	573.61	9	5710.14	9	3667.24	9
103	Min.	-65	-2882.52	5	-19748.00	13	-6671.75	13	-99.17	1	-2956.06	1	-581.40	1	-4852.04	1	-3373.33	1
103	Min.	-66	-2882.52	5	-19748.00	13	-6671.75	13	-99.17	1	-2956.06	1	-581.40	1	-4852.04	1	-3373.33	1
103	Min.	-76	-2882.52	5	-19748.00	13	-6671.75	13	-99.17	1	-2956.06	1	-581.40	1	-4852.04	1	-3373.33	1
103	Min.	-75	-2882.52	5	-19748.00	13	-6671.75	13	-99.17	1	-2956.06	1	-581.40	1	-4852.04	1	-3373.33	1
103	Max	-51	28372.60	9	134395.00	9	74247.50	1	635.46	9	2806.73	9	234.13	9	13950.20	9	764.32	1
103	Max	-54	28372.60	9	134395.00	9	74247.50	1	635.46	9	2806.73	9	234.13	9	13950.20	9	764.32	1
103	Max	-64	28372.60	9	134395.00	9	74247.50	1	635.46	9	2806.73	9	234.13	9	13950.20	9	764.32	1
103	Max	-63	28372.60	9	134395.00	9	74247.50	1	635.46	9	2806.73	9	234.13	9	13950.20	9	764.32	1
103	Min.	-51	-31801.70	1	-180767.00	1	-66808.90	9	-639.81	1	-2726.11	1	-233.20	1	-14147.20	1	-1040.03	9
103	Min.	-54	-31801.70	1	-180767.00	1	-66808.90	9	-639.81	1	-2726.11	1	-233.20	1	-14147.20	1	-1040.03	9
103	Min.	-64	-31801.70	1	-180767.00	1	-66808.90	9	-639.81	1	-2726.11	1	-233.20	1	-14147.20	1	-1040.03	9
103	Min.	-63	-31801.70	1	-180767.00	1	-66808.90	9	-639.81	1	-2726.11	1	-233.20	1	-14147.20	1	-1040.03	9
103	Max	-2	930.45	13	15051.70	5	6009.47	13	147.41	1	2292.68	1	471.20	9	11930.00	9	2161.75	9
103	Max	-7	930.45	13	15051.70	5	6009.47	13	147.41	1	2292.68	1	471.20	9	11930.00	9	2161.75	9
103	Max	-46	930.45	13	15051.70	5	6009.47	13	147.41	1	2292.68	1	471.20	9	11930.00	9	2161.75	9
103	Max	-45	930.45	13	15051.70	5	6009.47	13	147.41	1	2292.68	1	471.20	9	11930.00	9	2161.75	9
103	Min.	-2	-2532.18	5	-49936.00	13	-7600.26	5	-134.84	9	-2171.88	9	-428.75	1	-10348.50	1	-2045.91	1
103	Min.	-7	-2532.18	5	-49936.00	13	-7600.26	5	-134.84	9	-2171.88	9	-428.75	1	-10348.50	1	-2045.91	1
103	Min.	-46	-2532.18	5	-49936.00	13	-7600.26	5	-134.84	9	-2171.88	9	-428.75	1	-10348.50	1	-2045.91	1
103	Min.	-45	-2532.18	5	-49936.00	13	-7600.26	5	-134.84	9	-2171.88	9	-428.75	1	-10348.50	1	-2045.91	1
104	Max	-127	34797.10	1	-583.38	13	2202.35	13	71.58	1	227.13	9	810.16	1	3567.92	1	14169.20	9
104	Max	-135	34797.10	1	-583.38	13	2202.35	13	71.58	1	227.13	9	810.16	1	3567.92	1	14169.20	9
104	Max	-136	34797.10	1	-583.38	13	2202.35	13	71.58	1	227.13	9	810.16	1	3567.92	1	14169.20	9
104	Max	-128	34797.10	1	-583.38	13	2202.35	13	71.58	1	227.13	9	810.16	1	3567.92	1	14169.20	9
104	Min.	-127	-49449.90	9	-1430.16	20	-6535.15	5	-217.69	9	-249.11	1	-997.21	9	-2718.99	9	-9760.36	1
104	Min.	-135	-49449.90	9	-1430.16	20	-6535.15	5	-217.69	9	-249.11	1	-997.21	9	-2718.99	9	-9760.36	1
104	Min.	-136	-49449.90	9	-1430.16	20	-6535.15	5	-217.69	9	-249.11	1	-997.21	9	-2718.99	9	-9760.36	1
104	Min.	-128	-49449.90	9	-1430.16	20	-6535.15	5	-217.69	9	-249.11	1	-997.21	9	-2718.99	9	-9760.36	1
104	Max	-102	26424.20	1	15726.90	9	50631.10	1	133.11	5	1214.76	9	1769.38	1	2144.30	1	11606.00	1
104	Max	-110	26424.20	1	15726.90	9	50631.10	1	133.11	5	1214.76	9	1769.38	1	2144.30	1	11606.00	1
104	Max	-111	26424.20	1	15726.90	9	50631.10	1	133.11	5	1214.76	9	1769.38	1	2144.30	1	11606.00	1
104	Max	-103	26424.20	1	15726.90	9	50631.10	1	133.11	5	1214.76	9	1769.38	1	2144.30	1	11606.00	1
104	Min.	-102	-41909.40	9	-21541.80	1	-49068.10	9	-63.11	13	-466.65	1	-1472.98	9	-10006.80	9	-10746.30	9
104	Min.	-110	-41909.40	9	-21541.80	1	-49068.10	9	-63.11	13	-466.65	1	-1472.98	9	-10006.80	9	-10746.30	9

104	Min.	-111	-41909.40	9	-21541.80	1	-49068.10	9	-63.11	13	-466.65	1	-1472.98	9	-10006.80	9	-10746.30	9
104	Min.	-103	-41909.40	9	-21541.80	1	-49068.10	9	-63.11	13	-466.65	1	-1472.98	9	-10006.80	9	-10746.30	9
104	Max	-111	16694.80	5	7237.64	9	14803.00	1	234.38	9	105.07	9	1145.91	1	1844.83	1	18448.10	9
104	Max	-119	16694.80	5	7237.64	9	14803.00	1	234.38	9	105.07	9	1145.91	1	1844.83	1	18448.10	9
104	Max	-120	16694.80	5	7237.64	9	14803.00	1	234.38	9	105.07	9	1145.91	1	1844.83	1	18448.10	9
104	Max	-112	16694.80	5	7237.64	9	14803.00	1	234.38	9	105.07	9	1145.91	1	1844.83	1	18448.10	9
104	Min.	-111	-26769.30	13	-3594.98	1	-16554.80	9	-426.57	1	-50.65	1	-1018.45	9	-3836.86	9	-21422.90	1
104	Min.	-119	-26769.30	13	-3594.98	1	-16554.80	9	-426.57	1	-50.65	1	-1018.45	9	-3836.86	9	-21422.90	1
104	Min.	-120	-26769.30	13	-3594.98	1	-16554.80	9	-426.57	1	-50.65	1	-1018.45	9	-3836.86	9	-21422.90	1
104	Min.	-112	-26769.30	13	-3594.98	1	-16554.80	9	-426.57	1	-50.65	1	-1018.45	9	-3836.86	9	-21422.90	1
104	Max	-119	35936.10	1	4013.55	9	6735.72	9	210.48	1	50.96	1	1022.68	1	2697.25	9	15540.50	9
104	Max	-127	35936.10	1	4013.55	9	6735.72	9	210.48	1	50.96	1	1022.68	1	2697.25	9	15540.50	9
104	Max	-128	35936.10	1	4013.55	9	6735.72	9	210.48	1	50.96	1	1022.68	1	2697.25	9	15540.50	9
104	Max	-120	35936.10	1	4013.55	9	6735.72	9	210.48	1	50.96	1	1022.68	1	2697.25	9	15540.50	9
104	Min.	-119	-46898.50	9	-4888.96	1	-7169.94	1	-479.08	9	-92.34	9	-1053.75	9	-3086.11	1	-15703.70	1
104	Min.	-127	-46898.50	9	-4888.96	1	-7169.94	1	-479.08	9	-92.34	9	-1053.75	9	-3086.11	1	-15703.70	1
104	Min.	-128	-46898.50	9	-4888.96	1	-7169.94	1	-479.08	9	-92.34	9	-1053.75	9	-3086.11	1	-15703.70	1
104	Min.	-120	-46898.50	9	-4888.96	1	-7169.94	1	-479.08	9	-92.34	9	-1053.75	9	-3086.11	1	-15703.70	1
104	Max	-118	10856.80	5	18908.80	9	8884.82	9	165.15	1	697.59	9	1010.99	1	2573.39	1	10864.40	1
104	Max	-126	10856.80	5	18908.80	9	8884.82	9	165.15	1	697.59	9	1010.99	1	2573.39	1	10864.40	1
104	Max	-127	10856.80	5	18908.80	9	8884.82	9	165.15	1	697.59	9	1010.99	1	2573.39	1	10864.40	1
104	Max	-119	10856.80	5	18908.80	9	8884.82	9	165.15	1	697.59	9	1010.99	1	2573.39	1	10864.40	1
104	Min.	-118	-14053.40	13	-22209.70	1	-15581.50	1	-248.25	9	-424.74	1	-991.48	9	-8155.94	9	-10934.10	9
104	Min.	-126	-14053.40	13	-22209.70	1	-15581.50	1	-248.25	9	-424.74	1	-991.48	9	-8155.94	9	-10934.10	9
104	Min.	-127	-14053.40	13	-22209.70	1	-15581.50	1	-248.25	9	-424.74	1	-991.48	9	-8155.94	9	-10934.10	9
104	Min.	-119	-14053.40	13	-22209.70	1	-15581.50	1	-248.25	9	-424.74	1	-991.48	9	-8155.94	9	-10934.10	9
104	Max	-110	16312.30	5	9954.59	9	25323.70	1	200.93	9	679.13	9	1404.06	1	2424.39	1	10807.20	1
104	Max	-118	16312.30	5	9954.59	9	25323.70	1	200.93	9	679.13	9	1404.06	1	2424.39	1	10807.20	1
104	Max	-119	16312.30	5	9954.59	9	25323.70	1	200.93	9	679.13	9	1404.06	1	2424.39	1	10807.20	1
104	Max	-111	16312.30	5	9954.59	9	25323.70	1	200.93	9	679.13	9	1404.06	1	2424.39	1	10807.20	1
104	Min.	-110	-19574.10	13	-4663.61	1	-29203.00	9	-246.40	1	-317.41	1	-1211.86	9	-6517.28	9	-9940.75	9
104	Min.	-118	-19574.10	13	-4663.61	1	-29203.00	9	-246.40	1	-317.41	1	-1211.86	9	-6517.28	9	-9940.75	9
104	Min.	-119	-19574.10	13	-4663.61	1	-29203.00	9	-246.40	1	-317.41	1	-1211.86	9	-6517.28	9	-9940.75	9
104	Min.	-111	-19574.10	13	-4663.61	1	-29203.00	9	-246.40	1	-317.41	1	-1211.86	9	-6517.28	9	-9940.75	9
104	Max	-103	48695.10	1	3832.67	9	-482.65	1	312.39	1	56.00	1	956.18	1	7761.56	1	17485.20	9
104	Max	-111	48695.10	1	3832.67	9	-482.65	1	312.39	1	56.00	1	956.18	1	7761.56	1	17485.20	9
104	Max	-112	48695.10	1	3832.67	9	-482.65	1	312.39	1	56.00	1	956.18	1	7761.56	1	17485.20	9
104	Max	-104	48695.10	1	3832.67	9	-482.65	1	312.39	1	56.00	1	956.18	1	7761.56	1	17485.20	9
104	Min.	-103	-47584.00	9	-8093.87	1	-10497.40	9	-298.93	9	-85.75	9	-841.03	9	-5497.66	9	-22496.10	1
104	Min.	-111	-47584.00	9	-8093.87	1	-10497.40	9	-298.93	9	-85.75	9	-841.03	9	-5497.66	9	-22496.10	1
104	Min.	-112	-47584.00	9	-8093.87	1	-10497.40	9	-298.93	9	-85.75	9	-841.03	9	-5497.66	9	-22496.10	1
104	Min.	-104	-47584.00	9	-8093.87	1	-10497.40	9	-298.93	9	-85.75	9	-841.03	9	-5497.66	9	-22496.10	1
104	Max	-126	6387.60	5	6803.27	9	8335.83	9	47.38	1	216.74	1	707.54	1	9070.82	9	8006.31	1
104	Max	-134	6387.60	5	6803.27	9	8335.83	9	47.38	1	216.74	1	707.54	1	9070.82	9	8006.31	1
104	Max	-135	6387.60	5	6803.27	9	8335.83	9	47.38	1	216.74	1	707.54	1	9070.82	9	8006.31	1
104	Max	-127	6387.60	5	6803.27	9	8335.83	9	47.38	1	216.74	1	707.54	1	9070.82	9	8006.31	1
104	Min.	-126	-8765.30	13	-5767.26	1	-12064.80	1	-92.36	9	-108.04	9	-828.92	9	-10306.30	1	-8970.06	9
104	Min.	-134	-8765.30	13	-5767.26	1	-12064.80	1	-92.36	9	-108.04	9	-828.92	9	-10306.30	1	-8970.06	9
104	Min.	-135	-8765.30	13	-5767.26	1	-12064.80	1	-92.36	9	-108.04	9	-828.92	9	-10306.30	1	-8970.06	9
104	Min.	-127	-8765.30	13	-5767.26	1	-12064.80	1	-92.36	9	-108.04	9	-828.92	9	-10306.30	1	-8970.06	9
105	Max	-71	27981.10	1	25212.90	9	67685.50	1	443.32	1	900.44	9	2230.93	1	5252.59	9	22635.60	9
105	Max	-80	27981.10	1	25212.90	9	67685.50	1	443.32	1	900.44	9	2230.93	1	5252.59	9	22635.60	9
105	Max	-81	27981.10	1	25212.90	9	67685.50	1	443.32	1	900.44	9	2230.93	1	5252.59	9	22635.60	9
105	Max	-72	27981.10	1	25212.90	9	67685.50	1	443.32	1	900.44	9	2230.93	1	5252.59	9	22635.60	9
105	Min.	-71	-31196.30	9	-35175.60	1	-63521.40	9	-434.33	9	-1317.26	1	-2454.90	9	-9657.10	1	-21339.70	1
105	Min.	-80	-31196.30	9	-35175.60	1	-63521.40	9	-434.33	9	-1317.26	1	-2454.90	9	-9657.10	1	-21339.70	1
105	Min.	-81	-31196.30	9	-35175.60	1	-63521.40	9	-434.33	9	-1317.26	1	-2454.90	9	-9657.10	1	-21339.70	1
105	Min.	-72	-31196.30	9	-35175.60	1	-63521.40	9	-434.33	9	-1317.26	1	-2454.90	9	-9657.10	1	-21339.70	1
105	Max	-79	26326.90	1	14116.60	1	54734.00	1	1498.75	1	80.11	1	1251.98	1	9363.26	9	28473.30	1
105	Max	-100	26326.90	1	14116.60	1	54734.00	1	1498.75	1	80.11	1	1251.98	1	9363.26	9	28473.30	1
105	Max	-101	26326.90	1	14116.60	1	54734.00	1	1498.75	1	80.11	1	1251.98	1	9363.26	9	28473.30	1
105	Max	-80	26326.90	1	14116.60	1	54734.00	1	1498.75	1	80.11	1	1251.98	1	9363.26	9	28473.30	1
105	Min.	-79	-23711.00	9	-10131.40	9	-41618.80	9	-1528.98	9	-32.28	9	-1444.69	9	-6990.84	1	-34010.40	9
105	Min.	-100	-23711.00	9	-10131.40	9	-41618.80	9	-1528.98	9	-32.28	9	-1444.69	9	-6990.84	1	-34010.40	9
105	Min.	-101	-23711.00	9	-10131.40	9	-41618.80	9	-1528.98	9	-32.28	9	-1444.69	9	-6990.84	1	-34010.40	9
105	Min.	-80	-23711.00	9	-10131.40	9	-41618.80	9	-1528.98	9	-32.28	9	-1444.69	9	-6990.84	1	-34010.40	9
105	Max	-62	38962.90	1	8120.39	9	64905.70	9	523.85	1	1995.55	1	2833.19	1	29801.20	9	22062.70	9
105	Max	-71	38962.90	1	8120.39	9	64905.70	9	523.85	1	1995.55	1	2833.19	1	29801.20	9	22062.70	9
105	Max	-72	38962.90	1	8120.39	9	64905.70	9	523.85	1	1995.55	1	2833.19	1	29801.20	9	22062.70	9
105	Max	-63	38962.90	1	8120.39	9	64905.70	9	523.85	1	1995.55	1	2833.19	1	29801.20	9	22062.70	9
105	Min.	-62	-44105.80	9	-6881.17	1	-61301.40	1	-457.06	9	-2359.88	9	-2921.38	9	-35873.30	1	-22219.30	1
105	Min.	-71	-44105.80	9	-6881.17	1	-61301.40	1	-457.06	9	-2359.88	9	-2921.38	9	-35873.30	1	-22219.30	1
105	Min.	-72	-44105.80	9	-6881.17	1	-61301.40	1	-457.06	9	-2359.88	9	-2921.38	9	-35873.30	1	-22219.30	1
105	Min.	-63	-44105.80	9	-6881.17	1	-61301.40	1	-457.06	9	-2359.88	9	-2921.38	9	-35873.30	1	-22219.30	1
105	Max	-53	58252.40	1	4735.70	9	42506.30	9	2591.54	1	1615.42	1	739.63	1	45838.70	1	19985.30	9
105	Max	-62	58252.40	1	4735.70	9	42506.30	9	2591.54	1	1615.42	1	739.63	1	45838.70	1	19985.30	9
105	Max	-63	58252.40	1	4735.70	9	42506.30	9	2591.54	1	1615.42	1	739.63	1	45838.70	1	19985.30	9
105	Max	-54	58252.40	1	4735.70	9	42506.30	9	2591.54	1	1615.42	1	739.63	1	45838.70	1	19985.30	9
105	Min.	-53	-65113.80	9	-6508.45	1	-43381.60	1	-2530.74	9	-1832.21	9	-651.15	9	-47922.70	9	-18145.40	1
105	Min.	-62	-65113.80	9	-6508.45	1	-43381.60	1	-2530.74	9	-1832.21	9	-651.15	9	-47922.70	9	-18145.40	1
105	Min.	-63	-65113.80	9	-6508.45	1	-43381.60	1	-2530.74	9	-1832.21	9	-651.15	9	-47922.70	9	-18145.40	1
105	Min.	-54	-65113.80	9	-6508.45	1	-43381.60	1	-2530.74	9	-1832.21	9	-651.15	9	-47922.70	9	-18145.40	1
105	Max	-80	37619.20	1	54841.90	9	86645.60	1	729.78	1	1108.70	9	1364.85	1	2914.17	9	11405.10	9
105	Max	-101	37619.20	1	54841.90	9	86645.60	1	729.78	1	1108.70	9	1364.85	1	2914.17	9	11405.10	9
105	Max	-102	37619.20	1	54841.90	9	86645.60	1	729.78	1	1108.70	9	1364.85	1	2914.17	9	11405.10	9
105	Max	-81	37619.20	1	54841.90	9	86645.60	1	729.78	1	1108.70	9	1364.85	1	2914.17	9	11405.10	9
105	Min.	-80	-29310.30	9	-47710.00	1	-78817.70	9	-794.24	9	-1772.48	1	-1646.28	9	-10242.50	1	-9204.46	1
105	Min.	-101	-29310.30	9	-47710.00	1	-78817.70	9	-794.24	9	-1772.48	1	-1646.28	9	-10242.50	1	-9204.46	1
105	Min.	-102	-29310.30	9	-47710.00	1	-78817.70	9	-794.24	9	-1772.48	1	-1646.28	9	-10242.50	1	-9204.46	1
105	Min.	-81	-29310.30	9	-47710.00	1	-78817.70	9	-794.24	9	-1772.48	1	-1646.28	9	-10242.50	1	-9204.46	1
105	Max	-61	270436.00	1	2288.12	9	20692.80	9	767.91	1	152.83	1	3041.31	1	7561.52	9	50941.10	1
105	Max	-70	270436.00	1	2288.12	9	20692.80	9	767.91	1	152.83	1	3041.31	1	7561.52	9	50941.10	1
105	Max	-71	270436.00	1	2288.12	9	20692.80	9	767.91	1	152.83	1	3041.31	1	7561.52	9	50941.10	1
105	Max	-62	270436.00	1	2288.12	9	20692.80	9	767.91	1	152.83	1	3041.31	1	7561.52	9	50941.10	1
105	Min.	-61	-252192.00	9	-1870.66	1	-21431.40	1	-563.19	9	-139.83	9	-3099.21	9	-8334.56	1	-52178.20	9
105	Min.	-70	-252192.00	9	-1870.66	1	-21431.40	1	-563.19	9	-139.83	9	-3099.21	9	-8334.56	1	-52178.20	9
105	Min.	-71	-252192.00	9	-1870.66	1	-21431.40	1	-563.19	9	-139.83	9	-3099.21	9	-8334.56	1	-52178.20	9
105	Min.	-62	-252192.00	9	-1870.66	1	-21431.40	1	-563.19	9	-139.83	9	-3099.21	9	-8334.56	1	-52178.20	9
105	Max	-52	336293.00	1	607.77	1	17767.00	9	7353.48	1	869.84	9	240.74	1	3141.57	9	96576.20	1
105	Max	-61	336293.00	1	607.77	1	17767.00	9	7353.48	1	869.84	9	240.74	1	3141.57	9	96576.20	1
105	Max	-62	336293.00	1	607.77	1	17767.00	9	7353.48	1	869.84	9	240.74	1	3141.57	9	96576.20	1
105	Max	-53	336293.00	1	607.77	1	17767.00	9	7353.48	1	869.84	9	240.74	1	3141.57	9	96576.20	1
105	Min.	-52	-322013.00	9	-208.35	9	-17391.20	1	-7066.47	9	-861.45	1	-94.45	9	-3280.19	1	-96129.60	9
105	Min.	-61	-322013.00	9	-208.35	9	-17391.20	1	-7066.47	9	-861.45	1	-94.45	9	-3280.19	1	-96129.60	9
105	Min.	-62	-322013.00	9	-208.35	9	-17391.20	1	-7066.47	9	-861.45	1	-94.45	9	-3280.19	1	-96129.60	9

105	Min.	-53	-322013.00	9	-208.35	9	-17391.20	1	-7066.47	9	-861.45	1	-94.45	9	-3280.19	1	-96129.60	9
105	Max	-70	172790.00	1	5880.73	9	37597.70	1	998.77	1	552.81	9	2379.95	1	5957.81	9	35742.60	1
105	Max	-79	172790.00	1	5880.73	9	37597.70	1	998.77	1	552.81	9	2379.95	1	5957.81	9	35742.60	1
105	Max	-80	172790.00	1	5880.73	9	37597.70	1	998.77	1	552.81	9	2379.95	1	5957.81	9	35742.60	1
105	Max	-71	172790.00	1	5880.73	9	37597.70	1	998.77	1	552.81	9	2379.95	1	5957.81	9	35742.60	1
105	Min.	-70	-153481.00	9	-9602.99	1	-35284.50	9	-858.29	9	-605.88	1	-2560.85	9	-7811.71	1	-39269.90	9
105	Min.	-79	-153481.00	9	-9602.99	1	-35284.50	9	-858.29	9	-605.88	1	-2560.85	9	-7811.71	1	-39269.90	9
105	Min.	-80	-153481.00	9	-9602.99	1	-35284.50	9	-858.29	9	-605.88	1	-2560.85	9	-7811.71	1	-39269.90	9
105	Min.	-71	-153481.00	9	-9602.99	1	-35284.50	9	-858.29	9	-605.88	1	-2560.85	9	-7811.71	1	-39269.90	9
106	Max	-36	3841.14	1	31440.20	5	21025.00	9	397.18	1	301.37	1	1616.21	9	25823.70	9	12964.70	1
106	Max	-37	3841.14	1	31440.20	5	21025.00	9	397.18	1	301.37	1	1616.21	9	25823.70	9	12964.70	1
106	Max	-54	3841.14	1	31440.20	5	21025.00	9	397.18	1	301.37	1	1616.21	9	25823.70	9	12964.70	1
106	Max	-53	3841.14	1	31440.20	5	21025.00	9	397.18	1	301.37	1	1616.21	9	25823.70	9	12964.70	1
106	Min.	-36	-5027.72	9	-55838.80	13	-23603.80	1	-371.02	9	-272.36	9	-1749.56	1	-21497.80	1	-12871.40	9
106	Min.	-37	-5027.72	9	-55838.80	13	-23603.80	1	-371.02	9	-272.36	9	-1749.56	1	-21497.80	1	-12871.40	9
106	Min.	-54	-5027.72	9	-55838.80	13	-23603.80	1	-371.02	9	-272.36	9	-1749.56	1	-21497.80	1	-12871.40	9
106	Min.	-53	-5027.72	9	-55838.80	13	-23603.80	1	-371.02	9	-272.36	9	-1749.56	1	-21497.80	1	-12871.40	9
106	Max	-35	17797.00	9	358475.00	9	42292.60	9	150.92	1	1793.60	1	1797.78	9	207173.00	9	9843.87	1
106	Max	-36	17797.00	9	358475.00	9	42292.60	9	150.92	1	1793.60	1	1797.78	9	207173.00	9	9843.87	1
106	Max	-53	17797.00	9	358475.00	9	42292.60	9	150.92	1	1793.60	1	1797.78	9	207173.00	9	9843.87	1
106	Max	-52	17797.00	9	358475.00	9	42292.60	9	150.92	1	1793.60	1	1797.78	9	207173.00	9	9843.87	1
106	Min.	-35	-18069.80	1	-355169.00	1	-41911.50	1	-100.87	9	-1591.60	9	-1963.50	1	-216847.00	1	-9043.79	9
106	Min.	-36	-18069.80	1	-355169.00	1	-41911.50	1	-100.87	9	-1591.60	9	-1963.50	1	-216847.00	1	-9043.79	9
106	Min.	-53	-18069.80	1	-355169.00	1	-41911.50	1	-100.87	9	-1591.60	9	-1963.50	1	-216847.00	1	-9043.79	9
106	Min.	-52	-18069.80	1	-355169.00	1	-41911.50	1	-100.87	9	-1591.60	9	-1963.50	1	-216847.00	1	-9043.79	9
401	Max	-22	0.00	1	0.00	1	0.00	1	2835.72	1	1116.96	1	3366.95	1	6514.75	9	4570.86	9
401	Max	-23	0.00	1	0.00	1	0.00	1	2835.72	1	1116.96	1	3366.95	1	6514.75	9	4570.86	9
401	Max	-28	0.00	1	0.00	1	0.00	1	2835.72	1	1116.96	1	3366.95	1	6514.75	9	4570.86	9
401	Max	-27	0.00	1	0.00	1	0.00	1	2835.72	1	1116.96	1	3366.95	1	6514.75	9	4570.86	9
401	Min.	-22	0.00	1	0.00	1	0.00	1	-1383.34	9	-839.77	9	-3603.83	9	-6326.53	1	-10018.40	1
401	Min.	-23	0.00	1	0.00	1	0.00	1	-1383.34	9	-839.77	9	-3603.83	9	-6326.53	1	-10018.40	1
401	Min.	-28	0.00	1	0.00	1	0.00	1	-1383.34	9	-839.77	9	-3603.83	9	-6326.53	1	-10018.40	1
401	Min.	-27	0.00	1	0.00	1	0.00	1	-1383.34	9	-839.77	9	-3603.83	9	-6326.53	1	-10018.40	1
401	Max	-28	0.00	1	0.00	1	0.00	1	887.51	9	3358.29	9	1756.12	1	22454.70	9	5726.66	1
401	Max	-29	0.00	1	0.00	1	0.00	1	887.51	9	3358.29	9	1756.12	1	22454.70	9	5726.66	1
401	Max	-34	0.00	1	0.00	1	0.00	1	887.51	9	3358.29	9	1756.12	1	22454.70	9	5726.66	1
401	Max	-33	0.00	1	0.00	1	0.00	1	887.51	9	3358.29	9	1756.12	1	22454.70	9	5726.66	1
401	Min.	-28	0.00	1	0.00	1	0.00	1	-705.33	1	-2850.79	1	-1866.12	9	-20840.70	1	-7275.18	9
401	Min.	-29	0.00	1	0.00	1	0.00	1	-705.33	1	-2850.79	1	-1866.12	9	-20840.70	1	-7275.18	9
401	Min.	-34	0.00	1	0.00	1	0.00	1	-705.33	1	-2850.79	1	-1866.12	9	-20840.70	1	-7275.18	9
401	Min.	-33	0.00	1	0.00	1	0.00	1	-705.33	1	-2850.79	1	-1866.12	9	-20840.70	1	-7275.18	9
401	Max	-32	0.00	1	0.00	1	0.00	1	5171.82	1	4507.42	9	6850.48	1	10342.20	9	33860.50	9
401	Max	-31	0.00	1	0.00	1	0.00	1	5171.82	1	4507.42	9	6850.48	1	10342.20	9	33860.50	9
401	Max	-36	0.00	1	0.00	1	0.00	1	5171.82	1	4507.42	9	6850.48	1	10342.20	9	33860.50	9
401	Max	-37	0.00	1	0.00	1	0.00	1	5171.82	1	4507.42	9	6850.48	1	10342.20	9	33860.50	9
401	Min.	-32	0.00	1	0.00	1	0.00	1	-6364.25	9	-5414.59	1	-6886.11	9	-12317.00	1	-28609.50	1
401	Min.	-31	0.00	1	0.00	1	0.00	1	-6364.25	9	-5414.59	1	-6886.11	9	-12317.00	1	-28609.50	1
401	Min.	-36	0.00	1	0.00	1	0.00	1	-6364.25	9	-5414.59	1	-6886.11	9	-12317.00	1	-28609.50	1
401	Min.	-37	0.00	1	0.00	1	0.00	1	-6364.25	9	-5414.59	1	-6886.11	9	-12317.00	1	-28609.50	1
401	Max	-7	0.00	1	0.00	1	0.00	1	1707.60	5	319.82	1	1455.55	1	1202.16	1	3696.30	9
401	Max	-8	0.00	1	0.00	1	0.00	1	1707.60	5	319.82	1	1455.55	1	1202.16	1	3696.30	9
401	Max	-13	0.00	1	0.00	1	0.00	1	1707.60	5	319.82	1	1455.55	1	1202.16	1	3696.30	9
401	Max	-12	0.00	1	0.00	1	0.00	1	1707.60	5	319.82	1	1455.55	1	1202.16	1	3696.30	9
401	Min.	-7	0.00	1	0.00	1	0.00	1	-329.70	13	-297.26	9	-1797.88	9	-803.72	9	-9729.53	1
401	Min.	-8	0.00	1	0.00	1	0.00	1	-329.70	13	-297.26	9	-1797.88	9	-803.72	9	-9729.53	1
401	Min.	-13	0.00	1	0.00	1	0.00	1	-329.70	13	-297.26	9	-1797.88	9	-803.72	9	-9729.53	1
401	Min.	-12	0.00	1	0.00	1	0.00	1	-329.70	13	-297.26	9	-1797.88	9	-803.72	9	-9729.53	1
401	Max	-6	0.00	1	0.00	1	0.00	1	1743.78	13	469.31	9	1241.45	1	1130.73	1	11922.20	9
401	Max	-7	0.00	1	0.00	1	0.00	1	1743.78	13	469.31	9	1241.45	1	1130.73	1	11922.20	9
401	Max	-12	0.00	1	0.00	1	0.00	1	1743.78	13	469.31	9	1241.45	1	1130.73	1	11922.20	9
401	Max	-11	0.00	1	0.00	1	0.00	1	1743.78	13	469.31	9	1241.45	1	1130.73	1	11922.20	9
401	Min.	-6	0.00	1	0.00	1	0.00	1	-251.32	5	-490.03	1	-1599.88	9	-516.11	9	-5624.87	1
401	Min.	-7	0.00	1	0.00	1	0.00	1	-251.32	5	-490.03	1	-1599.88	9	-516.11	9	-5624.87	1
401	Min.	-12	0.00	1	0.00	1	0.00	1	-251.32	5	-490.03	1	-1599.88	9	-516.11	9	-5624.87	1
401	Min.	-11	0.00	1	0.00	1	0.00	1	-251.32	5	-490.03	1	-1599.88	9	-516.11	9	-5624.87	1
401	Max	-42	0.00	1	0.00	1	0.00	1	937.38	13	5877.00	1	1300.86	9	36204.10	9	4131.09	5
401	Max	-37	0.00	1	0.00	1	0.00	1	937.38	13	5877.00	1	1300.86	9	36204.10	9	4131.09	5
401	Max	-36	0.00	1	0.00	1	0.00	1	937.38	13	5877.00	1	1300.86	9	36204.10	9	4131.09	5
401	Max	-41	0.00	1	0.00	1	0.00	1	937.38	13	5877.00	1	1300.86	9	36204.10	9	4131.09	5
401	Min.	-42	0.00	1	0.00	1	0.00	1	-1579.22	5	-6877.96	9	-1418.73	1	-33120.50	1	-7851.65	13
401	Min.	-37	0.00	1	0.00	1	0.00	1	-1579.22	5	-6877.96	9	-1418.73	1	-33120.50	1	-7851.65	13
401	Min.	-36	0.00	1	0.00	1	0.00	1	-1579.22	5	-6877.96	9	-1418.73	1	-33120.50	1	-7851.65	13
401	Min.	-41	0.00	1	0.00	1	0.00	1	-1579.22	5	-6877.96	9	-1418.73	1	-33120.50	1	-7851.65	13
401	Max	-18	0.00	1	0.00	1	0.00	1	236.38	1	711.30	1	1919.07	1	17414.20	9	1722.29	9
401	Max	-19	0.00	1	0.00	1	0.00	1	236.38	1	711.30	1	1919.07	1	17414.20	9	1722.29	9
401	Max	-24	0.00	1	0.00	1	0.00	1	236.38	1	711.30	1	1919.07	1	17414.20	9	1722.29	9
401	Max	-23	0.00	1	0.00	1	0.00	1	236.38	1	711.30	1	1919.07	1	17414.20	9	1722.29	9
401	Min.	-18	0.00	1	0.00	1	0.00	1	-69.59	9	-648.62	9	-2169.82	9	-15261.80	1	-3251.78	1
401	Min.	-19	0.00	1	0.00	1	0.00	1	-69.59	9	-648.62	9	-2169.82	9	-15261.80	1	-3251.78	1
401	Min.	-24	0.00	1	0.00	1	0.00	1	-69.59	9	-648.62	9	-2169.82	9	-15261.80	1	-3251.78	1
401	Min.	-23	0.00	1	0.00	1	0.00	1	-69.59	9	-648.62	9	-2169.82	9	-15261.80	1	-3251.78	1
401	Max	-23	0.00	1	0.00	1	0.00	1	529.28	1	777.43	1	2057.90	1	21875.90	9	2957.08	9
401	Max	-24	0.00	1	0.00	1	0.00	1	529.28	1	777.43	1	2057.90	1	21875.90	9	2957.08	9
401	Max	-29	0.00	1	0.00	1	0.00	1	529.28	1	777.43	1	2057.90	1	21875.90	9	2957.08	9
401	Max	-28	0.00	1	0.00	1	0.00	1	529.28	1	777.43	1	2057.90	1	21875.90	9	2957.08	9
401	Min.	-23	0.00	1	0.00	1	0.00	1	-343.65	9	-536.02	9	-2256.87	9	-19892.60	1	-4472.34	1
401	Min.	-24	0.00	1	0.00	1	0.00	1	-343.65	9	-536.02	9	-2256.87	9	-19892.60	1	-4472.34	1
401	Min.	-29	0.00	1	0.00	1	0.00	1	-343.65	9	-536.02	9	-2256.87	9	-19892.60	1	-4472.34	1
401	Min.	-28	0.00	1	0.00	1	0.00	1	-343.65	9	-536.02	9	-2256.87	9	-19892.60	1	-4472.34	1
401	Max	-20	0.00	1	0.00	1	0.00	1	568.78	9	3465.00	9	3733.71	1	20760.40	1	1029.55	18
401	Max	-21	0.00	1	0.00	1	0.00	1	568.78	9	3465.00	9	3733.71	1	20760.40	1	1029.55	18
401	Max	-26	0.00	1	0.00	1	0.00	1	568.78	9	3465.00	9	3733.71	1	20760.40	1	1029.55	18
401	Max	-25	0.00	1	0.00	1	0.00	1	568.78	9	3465.00	9	3733.71	1	20760.40	1	1029.55	18
401	Min.	-20	0.00	1	0.00	1	0.00	1	-449.08	1	-3552.17	1	-3769.50	9	-20490.70	9	530.24	1
401	Min.	-21	0.00	1	0.00	1	0.00	1	-449.08	1	-3552.17	1	-3769.50	9	-20490.70	9	530.24	1
401	Min.	-26	0.00	1	0.00	1	0.00	1	-449.08	1	-3552.17	1	-3769.50	9	-20490.70	9	530.24	1
401	Min.	-25	0.00	1	0.00	1	0.00	1	-449.08	1	-3552.17	1	-3769.50	9	-20490.70	9	530.24	1
401	Max	-21	0.00	1	0.00	1	0.00	1	916.37	9	2038.96	9	4438.17	1	8511.72	9	14864.20	9
401	Max	-22	0.00	1	0.00	1	0.00	1	916.37	9	2038.96	9	4438.17	1	8511.72	9	14864.20	9
401	Max	-27	0.00	1	0.00	1	0.00	1	916.37	9	2038.96	9	4438.17	1	8511.72	9	14864.20	9
401	Max	-26	0.00	1	0.00	1	0.00	1	916.37	9	2038.96	9	4438.17	1	8511.72	9	14864.20	9
401	Min.	-21	0.00	1	0.00	1	0.00	1	288.54	1	-1928.47	1	-4542.25	9	-8330.86	1	-9386.04	1
401	Min.	-22	0.00	1	0.00	1	0.00	1	288.54	1	-1928.47	1	-4542.25	9	-8330.86	1	-9386.04	1
401	Min.	-27	0.00	1	0.00	1	0.00	1	288.54	1	-1928.47	1	-4542.25	9	-8330.86	1	-9386.04	1
401	Min.	-26	0.00	1	0.00	1	0.00	1	288.54	1	-1928.47	1	-4542.25	9	-8330.86	1	-9386.04	1

401	Max	-8	0.00	1	0.00	1	0.00	1	107.65	5	972.47	1	1113.51	1	8748.30	9	1007.72	9
401	Max	-9	0.00	1	0.00	1	0.00	1	107.65	5	972.47	1	1113.51	1	8748.30	9	1007.72	9
401	Max	-14	0.00	1	0.00	1	0.00	1	107.65	5	972.47	1	1113.51	1	8748.30	9	1007.72	9
401	Max	-13	0.00	1	0.00	1	0.00	1	107.65	5	972.47	1	1113.51	1	8748.30	9	1007.72	9
401	Min.	-8	0.00	1	0.00	1	0.00	1	11.48	13	-1123.73	9	-1315.59	9	-6921.00	1	-2280.20	1
401	Min.	-9	0.00	1	0.00	1	0.00	1	11.48	13	-1123.73	9	-1315.59	9	-6921.00	1	-2280.20	1
401	Min.	-14	0.00	1	0.00	1	0.00	1	11.48	13	-1123.73	9	-1315.59	9	-6921.00	1	-2280.20	1
401	Min.	-13	0.00	1	0.00	1	0.00	1	11.48	13	-1123.73	9	-1315.59	9	-6921.00	1	-2280.20	1
401	Max	-137	0.00	1	0.00	1	0.00	1	1927.73	13	106.76	9	519.56	1	1282.03	9	8018.32	13
401	Max	-2	0.00	1	0.00	1	0.00	1	1927.73	13	106.76	9	519.56	1	1282.03	9	8018.32	13
401	Max	-7	0.00	1	0.00	1	0.00	1	1927.73	13	106.76	9	519.56	1	1282.03	9	8018.32	13
401	Max	-6	0.00	1	0.00	1	0.00	1	1927.73	13	106.76	9	519.56	1	1282.03	9	8018.32	13
401	Min.	-137	0.00	1	0.00	1	0.00	1	-458.05	5	-178.62	1	-790.91	9	-382.09	1	-3043.78	5
401	Min.	-2	0.00	1	0.00	1	0.00	1	-458.05	5	-178.62	1	-790.91	9	-382.09	1	-3043.78	5
401	Min.	-7	0.00	1	0.00	1	0.00	1	-458.05	5	-178.62	1	-790.91	9	-382.09	1	-3043.78	5
401	Min.	-6	0.00	1	0.00	1	0.00	1	-458.05	5	-178.62	1	-790.91	9	-382.09	1	-3043.78	5
401	Max	-27	0.00	1	0.00	1	0.00	1	4948.04	9	3197.07	1	3338.27	1	13860.50	9	9597.80	9
401	Max	-28	0.00	1	0.00	1	0.00	1	4948.04	9	3197.07	1	3338.27	1	13860.50	9	9597.80	9
401	Max	-33	0.00	1	0.00	1	0.00	1	4948.04	9	3197.07	1	3338.27	1	13860.50	9	9597.80	9
401	Max	-32	0.00	1	0.00	1	0.00	1	4948.04	9	3197.07	1	3338.27	1	13860.50	9	9597.80	9
401	Min.	-27	0.00	1	0.00	1	0.00	1	-3549.70	1	-2696.04	9	-3432.10	9	-13130.40	1	-14642.10	1
401	Min.	-28	0.00	1	0.00	1	0.00	1	-3549.70	1	-2696.04	9	-3432.10	9	-13130.40	1	-14642.10	1
401	Min.	-33	0.00	1	0.00	1	0.00	1	-3549.70	1	-2696.04	9	-3432.10	9	-13130.40	1	-14642.10	1
401	Min.	-32	0.00	1	0.00	1	0.00	1	-3549.70	1	-2696.04	9	-3432.10	9	-13130.40	1	-14642.10	1
401	Max	-37	0.00	1	0.00	1	0.00	1	7839.42	9	4299.96	9	2689.61	1	20057.10	1	14935.80	1
401	Max	-38	0.00	1	0.00	1	0.00	1	7839.42	9	4299.96	9	2689.61	1	20057.10	1	14935.80	1
401	Max	-43	0.00	1	0.00	1	0.00	1	7839.42	9	4299.96	9	2689.61	1	20057.10	1	14935.80	1
401	Max	-42	0.00	1	0.00	1	0.00	1	7839.42	9	4299.96	9	2689.61	1	20057.10	1	14935.80	1
401	Min.	-37	0.00	1	0.00	1	0.00	1	-6809.74	1	-3664.82	1	-2929.95	9	-23634.90	9	-18091.40	9
401	Min.	-38	0.00	1	0.00	1	0.00	1	-6809.74	1	-3664.82	1	-2929.95	9	-23634.90	9	-18091.40	9
401	Min.	-43	0.00	1	0.00	1	0.00	1	-6809.74	1	-3664.82	1	-2929.95	9	-23634.90	9	-18091.40	9
401	Min.	-42	0.00	1	0.00	1	0.00	1	-6809.74	1	-3664.82	1	-2929.95	9	-23634.90	9	-18091.40	9
401	Max	-35	0.00	1	0.00	1	0.00	1	661.23	9	8424.16	1	995.16	9	36016.60	9	16993.50	9
401	Max	-36	0.00	1	0.00	1	0.00	1	661.23	9	8424.16	1	995.16	9	36016.60	9	16993.50	9
401	Max	-41	0.00	1	0.00	1	0.00	1	661.23	9	8424.16	1	995.16	9	36016.60	9	16993.50	9
401	Max	-40	0.00	1	0.00	1	0.00	1	661.23	9	8424.16	1	995.16	9	36016.60	9	16993.50	9
401	Min.	-35	0.00	1	0.00	1	0.00	1	-482.91	1	-8173.65	9	-862.12	1	-35988.50	1	-15342.10	1
401	Min.	-36	0.00	1	0.00	1	0.00	1	-482.91	1	-8173.65	9	-862.12	1	-35988.50	1	-15342.10	1
401	Min.	-41	0.00	1	0.00	1	0.00	1	-482.91	1	-8173.65	9	-862.12	1	-35988.50	1	-15342.10	1
401	Min.	-40	0.00	1	0.00	1	0.00	1	-482.91	1	-8173.65	9	-862.12	1	-35988.50	1	-15342.10	1
401	Max	-30	0.00	1	0.00	1	0.00	1	759.61	1	4684.73	1	6526.43	1	60755.50	1	14115.30	9
401	Max	-31	0.00	1	0.00	1	0.00	1	759.61	1	4684.73	1	6526.43	1	60755.50	1	14115.30	9
401	Max	-36	0.00	1	0.00	1	0.00	1	759.61	1	4684.73	1	6526.43	1	60755.50	1	14115.30	9
401	Max	-35	0.00	1	0.00	1	0.00	1	759.61	1	4684.73	1	6526.43	1	60755.50	1	14115.30	9
401	Min.	-30	0.00	1	0.00	1	0.00	1	-611.86	9	-3795.85	9	-6555.25	9	-58514.10	9	-12579.70	1
401	Min.	-31	0.00	1	0.00	1	0.00	1	-611.86	9	-3795.85	9	-6555.25	9	-58514.10	9	-12579.70	1
401	Min.	-36	0.00	1	0.00	1	0.00	1	-611.86	9	-3795.85	9	-6555.25	9	-58514.10	9	-12579.70	1
401	Min.	-35	0.00	1	0.00	1	0.00	1	-611.86	9	-3795.85	9	-6555.25	9	-58514.10	9	-12579.70	1
401	Max	-13	0.00	1	0.00	1	0.00	1	133.91	5	1093.26	1	1560.22	1	13353.20	9	1434.34	9
401	Max	-14	0.00	1	0.00	1	0.00	1	133.91	5	1093.26	1	1560.22	1	13353.20	9	1434.34	9
401	Max	-19	0.00	1	0.00	1	0.00	1	133.91	5	1093.26	1	1560.22	1	13353.20	9	1434.34	9
401	Max	-18	0.00	1	0.00	1	0.00	1	133.91	5	1093.26	1	1560.22	1	13353.20	9	1434.34	9
401	Min.	-13	0.00	1	0.00	1	0.00	1	15.64	13	-1144.22	9	-1806.44	9	-11176.00	1	-2977.04	1
401	Min.	-14	0.00	1	0.00	1	0.00	1	15.64	13	-1144.22	9	-1806.44	9	-11176.00	1	-2977.04	1
401	Min.	-19	0.00	1	0.00	1	0.00	1	15.64	13	-1144.22	9	-1806.44	9	-11176.00	1	-2977.04	1
401	Min.	-18	0.00	1	0.00	1	0.00	1	15.64	13	-1144.22	9	-1806.44	9	-11176.00	1	-2977.04	1
401	Max	-12	0.00	1	0.00	1	0.00	1	1729.72	1	390.73	1	2095.17	1	705.03	5	4143.67	9
401	Max	-13	0.00	1	0.00	1	0.00	1	1729.72	1	390.73	1	2095.17	1	705.03	5	4143.67	9
401	Max	-18	0.00	1	0.00	1	0.00	1	1729.72	1	390.73	1	2095.17	1	705.03	5	4143.67	9
401	Max	-17	0.00	1	0.00	1	0.00	1	1729.72	1	390.73	1	2095.17	1	705.03	5	4143.67	9
401	Min.	-12	0.00	1	0.00	1	0.00	1	-244.52	9	-304.64	9	-2444.57	9	-479.64	13	-10562.80	1
401	Min.	-13	0.00	1	0.00	1	0.00	1	-244.52	9	-304.64	9	-2444.57	9	-479.64	13	-10562.80	1
401	Min.	-18	0.00	1	0.00	1	0.00	1	-244.52	9	-304.64	9	-2444.57	9	-479.64	13	-10562.80	1
401	Min.	-17	0.00	1	0.00	1	0.00	1	-244.52	9	-304.64	9	-2444.57	9	-479.64	13	-10562.80	1
401	Max	-11	0.00	1	0.00	1	0.00	1	1591.65	13	776.55	9	1908.74	1	854.25	1	13402.40	9
401	Max	-12	0.00	1	0.00	1	0.00	1	1591.65	13	776.55	9	1908.74	1	854.25	1	13402.40	9
401	Max	-17	0.00	1	0.00	1	0.00	1	1591.65	13	776.55	9	1908.74	1	854.25	1	13402.40	9
401	Max	-16	0.00	1	0.00	1	0.00	1	1591.65	13	776.55	9	1908.74	1	854.25	1	13402.40	9
401	Min.	-11	0.00	1	0.00	1	0.00	1	-169.24	5	-786.03	1	-2242.88	9	-975.64	9	-7092.41	1
401	Min.	-12	0.00	1	0.00	1	0.00	1	-169.24	5	-786.03	1	-2242.88	9	-975.64	9	-7092.41	1
401	Min.	-17	0.00	1	0.00	1	0.00	1	-169.24	5	-786.03	1	-2242.88	9	-975.64	9	-7092.41	1
401	Min.	-16	0.00	1	0.00	1	0.00	1	-169.24	5	-786.03	1	-2242.88	9	-975.64	9	-7092.41	1
401	Max	-10	0.00	1	0.00	1	0.00	1	480.80	9	1634.02	9	1291.99	1	6509.28	1	1772.91	13
401	Max	-11	0.00	1	0.00	1	0.00	1	480.80	9	1634.02	9	1291.99	1	6509.28	1	1772.91	13
401	Max	-16	0.00	1	0.00	1	0.00	1	480.80	9	1634.02	9	1291.99	1	6509.28	1	1772.91	13
401	Max	-15	0.00	1	0.00	1	0.00	1	480.80	9	1634.02	9	1291.99	1	6509.28	1	1772.91	13
401	Min.	-10	0.00	1	0.00	1	0.00	1	-278.48	1	-1851.48	1	-1469.04	9	-8135.12	9	-109.39	5
401	Min.	-11	0.00	1	0.00	1	0.00	1	-278.48	1	-1851.48	1	-1469.04	9	-8135.12	9	-109.39	5
401	Min.	-16	0.00	1	0.00	1	0.00	1	-278.48	1	-1851.48	1	-1469.04	9	-8135.12	9	-109.39	5
401	Min.	-15	0.00	1	0.00	1	0.00	1	-278.48	1	-1851.48	1	-1469.04	9	-8135.12	9	-109.39	5
401	Max	-3	0.00	1	0.00	1	0.00	1	108.53	1	428.18	1	519.80	1	1675.00	9	1438.66	9
401	Max	-4	0.00	1	0.00	1	0.00	1	108.53	1	428.18	1	519.80	1	1675.00	9	1438.66	9
401	Max	-9	0.00	1	0.00	1	0.00	1	108.53	1	428.18	1	519.80	1	1675.00	9	1438.66	9
401	Max	-8	0.00	1	0.00	1	0.00	1	108.53	1	428.18	1	519.80	1	1675.00	9	1438.66	9
401	Min.	-3	0.00	1	0.00	1	0.00	1	-14.67	9	-544.62	9	-641.30	9	-1304.63	1	-2828.48	1
401	Min.	-4	0.00	1	0.00	1	0.00	1	-14.67	9	-544.62	9	-641.30	9	-1304.63	1	-2828.48	1
401	Min.	-9	0.00	1	0.00	1	0.00	1	-14.67	9	-544.62	9	-641.30	9	-1304.63	1	-2828.48	1
401	Min.	-8	0.00	1	0.00	1	0.00	1	-14.67	9	-544.62	9	-641.30	9	-1304.63	1	-2828.48	1
401	Max	-17	0.00	1	0.00	1	0.00	1	1959.10	1	119.08	19	2735.05	1	1949.65	9	3847.23	9
401	Max	-18	0.00	1	0.00	1	0.00	1	1959.10	1	119.08	19	2735.05	1	1949.65	9	3847.23	9
401	Max	-23	0.00	1	0.00	1	0.00	1	1959.10	1	119.08	19	2735.05	1	1949.65	9	3847.23	9
401	Max	-22	0.00	1	0.00	1	0.00	1	1959.10	1	119.08	19	2735.05	1	1949.65	9	3847.23	9
401	Min.	-17	0.00	1	0.00	1	0.00	1	-470.50	9	42.28	9	-3055.97	9	-1864.18	1	-9864.93	1
401	Min.	-18	0.00	1	0.00	1	0.00	1	-470.50	9	42.28	9	-3055.97	9	-1864.18	1	-9864.93	1
401	Min.	-23	0.00	1	0.00	1	0.00	1	-470.50	9	42.28	9	-3055.97	9	-1864.18	1	-9864.93	1
401	Min.	-22	0.00	1	0.00	1	0.00	1	-470.50	9	42.28	9	-3055.97	9	-1864.18	1	-9864.93	1
401	Max	-16	0.00	1	0.00	1	0.00	1	1524.50	9	1111.18	9	2890.81	1	3327.52	9	14087.00	9
401	Max	-17	0.00	1	0.00	1	0.00	1	1524.50	9	1111.18	9	2890.81	1	3327.52	9	14087.00	9
401	Max	-22	0.00	1	0.00	1	0.00	1	1524.50	9	1111.18	9	2890.81	1	3327.52	9	14087.00	9
401	Max	-21	0.00	1	0.00	1	0.00	1	1524.50	9	1111.18	9	2890.81	1	3327.52	9	14087.00	9
401	Min.	-16	0.00	1	0.00	1	0.00	1	-181.58	1	-1089.32	1	-3118.70	9	-3312.91	1	-7848.49	1
401	Min.	-17	0.00	1	0.00	1	0.00	1	-181.58	1	-1089.32	1	-3118.70	9	-3312.91	1	-7848.49	1
401	Min.	-22	0.00	1	0.00	1	0.00	1	-181.58	1	-1089.32	1	-3118.70	9	-3312.91	1	-7848.49	1
401	Min.	-21	0.00	1	0.00	1	0.00	1	-181.58	1	-1089.32	1	-3118.70	9	-3312.91	1	-7848.49	1
401	Max	-15	0.00	1	0.00	1	0.00	1	329.41	9	2193.77	9	2207.80	1	12890.50	1	2188.37	9

401	Max	-16	0.00	1	0.00	1	0.00	1	329.41	9	2193.77	9	2207.80	1	12890.50	1	2188.37	9
401	Max	-21	0.00	1	0.00	1	0.00	1	329.41	9	2193.77	9	2207.80	1	12890.50	1	2188.37	9
401	Max	-20	0.00	1	0.00	1	0.00	1	329.41	9	2193.77	9	2207.80	1	12890.50	1	2188.37	9
401	Min.	-15	0.00	1	0.00	1	0.00	1	-208.63	1	-2403.80	1	-2333.72	9	-13694.60	9	-743.52	1
401	Min.	-16	0.00	1	0.00	1	0.00	1	-208.63	1	-2403.80	1	-2333.72	9	-13694.60	9	-743.52	1
401	Min.	-21	0.00	1	0.00	1	0.00	1	-208.63	1	-2403.80	1	-2333.72	9	-13694.60	9	-743.52	1
401	Min.	-20	0.00	1	0.00	1	0.00	1	-208.63	1	-2403.80	1	-2333.72	9	-13694.60	9	-743.52	1
401	Max	-25	0.00	1	0.00	1	0.00	1	897.76	9	5559.13	9	5704.74	1	32723.10	1	1513.85	9
401	Max	-26	0.00	1	0.00	1	0.00	1	897.76	9	5559.13	9	5704.74	1	32723.10	1	1513.85	9
401	Max	-31	0.00	1	0.00	1	0.00	1	897.76	9	5559.13	9	5704.74	1	32723.10	1	1513.85	9
401	Max	-30	0.00	1	0.00	1	0.00	1	897.76	9	5559.13	9	5704.74	1	32723.10	1	1513.85	9
401	Min.	-25	0.00	1	0.00	1	0.00	1	-767.92	1	-5307.99	1	-5709.20	9	-31352.10	9	-309.71	1
401	Min.	-26	0.00	1	0.00	1	0.00	1	-767.92	1	-5307.99	1	-5709.20	9	-31352.10	9	-309.71	1
401	Min.	-31	0.00	1	0.00	1	0.00	1	-767.92	1	-5307.99	1	-5709.20	9	-31352.10	9	-309.71	1
401	Min.	-30	0.00	1	0.00	1	0.00	1	-767.92	1	-5307.99	1	-5709.20	9	-31352.10	9	-309.71	1
401	Max	-26	0.00	1	0.00	1	0.00	1	2580.95	9	3912.12	1	6269.23	1	16911.30	9	7895.66	9
401	Max	-27	0.00	1	0.00	1	0.00	1	2580.95	9	3912.12	1	6269.23	1	16911.30	9	7895.66	9
401	Max	-32	0.00	1	0.00	1	0.00	1	2580.95	9	3912.12	1	6269.23	1	16911.30	9	7895.66	9
401	Max	-31	0.00	1	0.00	1	0.00	1	2580.95	9	3912.12	1	6269.23	1	16911.30	9	7895.66	9
401	Min.	-26	0.00	1	0.00	1	0.00	1	-1443.32	1	-3547.63	9	-6300.19	9	-15822.20	1	-3326.64	1
401	Min.	-27	0.00	1	0.00	1	0.00	1	-1443.32	1	-3547.63	9	-6300.19	9	-15822.20	1	-3326.64	1
401	Min.	-32	0.00	1	0.00	1	0.00	1	-1443.32	1	-3547.63	9	-6300.19	9	-15822.20	1	-3326.64	1
401	Min.	-31	0.00	1	0.00	1	0.00	1	-1443.32	1	-3547.63	9	-6300.19	9	-15822.20	1	-3326.64	1
401	Max	-5	0.00	1	0.00	1	0.00	1	1326.26	9	692.86	9	948.91	1	856.50	5	4506.07	13
401	Max	-6	0.00	1	0.00	1	0.00	1	1326.26	9	692.86	9	948.91	1	856.50	5	4506.07	13
401	Max	-11	0.00	1	0.00	1	0.00	1	1326.26	9	692.86	9	948.91	1	856.50	5	4506.07	13
401	Max	-10	0.00	1	0.00	1	0.00	1	1326.26	9	692.86	9	948.91	1	856.50	5	4506.07	13
401	Min.	-5	0.00	1	0.00	1	0.00	1	-831.45	1	-880.97	1	-1124.97	9	-4214.05	13	-488.40	5
401	Min.	-6	0.00	1	0.00	1	0.00	1	-831.45	1	-880.97	1	-1124.97	9	-4214.05	13	-488.40	5
401	Min.	-11	0.00	1	0.00	1	0.00	1	-831.45	1	-880.97	1	-1124.97	9	-4214.05	13	-488.40	5
401	Min.	-10	0.00	1	0.00	1	0.00	1	-831.45	1	-880.97	1	-1124.97	9	-4214.05	13	-488.40	5
401	Max	-32	0.00	1	0.00	1	0.00	1	7776.72	9	6115.60	9	3031.11	1	13700.80	9	31628.20	1
401	Max	-33	0.00	1	0.00	1	0.00	1	7776.72	9	6115.60	9	3031.11	1	13700.80	9	31628.20	1
401	Max	-38	0.00	1	0.00	1	0.00	1	7776.72	9	6115.60	9	3031.11	1	13700.80	9	31628.20	1
401	Max	-37	0.00	1	0.00	1	0.00	1	7776.72	9	6115.60	9	3031.11	1	13700.80	9	31628.20	1
401	Min.	-32	0.00	1	0.00	1	0.00	1	-6450.17	1	-5261.58	1	-3075.75	9	-12984.40	1	-38288.00	9
401	Min.	-33	0.00	1	0.00	1	0.00	1	-6450.17	1	-5261.58	1	-3075.75	9	-12984.40	1	-38288.00	9
401	Min.	-38	0.00	1	0.00	1	0.00	1	-6450.17	1	-5261.58	1	-3075.75	9	-12984.40	1	-38288.00	9
401	Min.	-37	0.00	1	0.00	1	0.00	1	-6450.17	1	-5261.58	1	-3075.75	9	-12984.40	1	-38288.00	9
401	Max	-2	0.00	1	0.00	1	0.00	1	1641.33	5	111.03	1	768.30	1	1146.40	9	5748.42	9
401	Max	-3	0.00	1	0.00	1	0.00	1	1641.33	5	111.03	1	768.30	1	1146.40	9	5748.42	9
401	Max	-8	0.00	1	0.00	1	0.00	1	1641.33	5	111.03	1	768.30	1	1146.40	9	5748.42	9
401	Max	-7	0.00	1	0.00	1	0.00	1	1641.33	5	111.03	1	768.30	1	1146.40	9	5748.42	9
401	Min.	-2	0.00	1	0.00	1	0.00	1	-476.50	13	-118.36	9	-1042.46	9	-728.50	1	-11976.30	1
401	Min.	-3	0.00	1	0.00	1	0.00	1	-476.50	13	-118.36	9	-1042.46	9	-728.50	1	-11976.30	1
401	Min.	-8	0.00	1	0.00	1	0.00	1	-476.50	13	-118.36	9	-1042.46	9	-728.50	1	-11976.30	1
401	Min.	-7	0.00	1	0.00	1	0.00	1	-476.50	13	-118.36	9	-1042.46	9	-728.50	1	-11976.30	1
401	Max	-1	0.00	1	0.00	1	0.00	1	1306.92	9	45.84	5	275.42	1	443.95	5	8064.45	13
401	Max	-137	0.00	1	0.00	1	0.00	1	1306.92	9	45.84	5	275.42	1	443.95	5	8064.45	13
401	Max	-6	0.00	1	0.00	1	0.00	1	1306.92	9	45.84	5	275.42	1	443.95	5	8064.45	13
401	Max	-5	0.00	1	0.00	1	0.00	1	1306.92	9	45.84	5	275.42	1	443.95	5	8064.45	13
401	Min.	-1	0.00	1	0.00	1	0.00	1	-617.22	1	-134.53	13	-190.23	9	-1782.65	13	-1918.95	5
401	Min.	-137	0.00	1	0.00	1	0.00	1	-617.22	1	-134.53	13	-190.23	9	-1782.65	13	-1918.95	5
401	Min.	-6	0.00	1	0.00	1	0.00	1	-617.22	1	-134.53	13	-190.23	9	-1782.65	13	-1918.95	5
401	Min.	-5	0.00	1	0.00	1	0.00	1	-617.22	1	-134.53	13	-190.23	9	-1782.65	13	-1918.95	5
401	Max	-38	0.00	1	0.00	1	0.00	1	1476.08	9	2764.56	9	1885.75	1	3656.20	9	8000.52	1
401	Max	-39	0.00	1	0.00	1	0.00	1	1476.08	9	2764.56	9	1885.75	1	3656.20	9	8000.52	1
401	Max	-44	0.00	1	0.00	1	0.00	1	1476.08	9	2764.56	9	1885.75	1	3656.20	9	8000.52	1
401	Max	-43	0.00	1	0.00	1	0.00	1	1476.08	9	2764.56	9	1885.75	1	3656.20	9	8000.52	1
401	Min.	-38	0.00	1	0.00	1	0.00	1	-1305.15	1	-2445.34	1	-2105.02	9	-3489.21	1	-9162.58	9
401	Min.	-39	0.00	1	0.00	1	0.00	1	-1305.15	1	-2445.34	1	-2105.02	9	-3489.21	1	-9162.58	9
401	Min.	-44	0.00	1	0.00	1	0.00	1	-1305.15	1	-2445.34	1	-2105.02	9	-3489.21	1	-9162.58	9
401	Min.	-43	0.00	1	0.00	1	0.00	1	-1305.15	1	-2445.34	1	-2105.02	9	-3489.21	1	-9162.58	9
401	Max	-34	0.00	1	0.00	1	0.00	1	5373.70	9	694.86	9	1810.83	9	8353.22	9	14459.80	9
401	Max	-39	0.00	1	0.00	1	0.00	1	5373.70	9	694.86	9	1810.83	9	8353.22	9	14459.80	9
401	Max	-38	0.00	1	0.00	1	0.00	1	5373.70	9	694.86	9	1810.83	9	8353.22	9	14459.80	9
401	Max	-33	0.00	1	0.00	1	0.00	1	5373.70	9	694.86	9	1810.83	9	8353.22	9	14459.80	9
401	Min.	-34	0.00	1	0.00	1	0.00	1	-4699.47	1	-590.73	1	-1684.66	1	-7068.22	1	-13796.70	1
401	Min.	-39	0.00	1	0.00	1	0.00	1	-4699.47	1	-590.73	1	-1684.66	1	-7068.22	1	-13796.70	1
401	Min.	-38	0.00	1	0.00	1	0.00	1	-4699.47	1	-590.73	1	-1684.66	1	-7068.22	1	-13796.70	1
401	Min.	-33	0.00	1	0.00	1	0.00	1	-4699.47	1	-590.73	1	-1684.66	1	-7068.22	1	-13796.70	1
402	Max	-91	9805.98	1	17489.50	9	5850.36	9	-147.56	9	356.94	9	226.41	1	8058.08	9	8463.23	9
402	Max	-92	9805.98	1	17489.50	9	5850.36	9	-147.56	9	356.94	9	226.41	1	8058.08	9	8463.23	9
402	Max	-97	9805.98	1	17489.50	9	5850.36	9	-147.56	9	356.94	9	226.41	1	8058.08	9	8463.23	9
402	Max	-96	9805.98	1	17489.50	9	5850.36	9	-147.56	9	356.94	9	226.41	1	8058.08	9	8463.23	9
402	Min.	-91	-14033.40	9	-14265.30	1	-9084.10	1	-566.97	17	-474.10	1	-115.75	9	-11252.50	1	-13305.90	1
402	Min.	-92	-14033.40	9	-14265.30	1	-9084.10	1	-566.97	17	-474.10	1	-115.75	9	-11252.50	1	-13305.90	1
402	Min.	-97	-14033.40	9	-14265.30	1	-9084.10	1	-566.97	17	-474.10	1	-115.75	9	-11252.50	1	-13305.90	1
402	Min.	-96	-14033.40	9	-14265.30	1	-9084.10	1	-566.97	17	-474.10	1	-115.75	9	-11252.50	1	-13305.90	1
402	Max	-102	15049.50	9	24254.10	1	37703.80	9	347.90	9	1710.53	1	1472.71	9	61105.40	9	6874.94	1
402	Max	-97	15049.50	9	24254.10	1	37703.80	9	347.90	9	1710.53	1	1472.71	9	61105.40	9	6874.94	1
402	Max	-98	15049.50	9	24254.10	1	37703.80	9	347.90	9	1710.53	1	1472.71	9	61105.40	9	6874.94	1
402	Max	-103	15049.50	9	24254.10	1	37703.80	9	347.90	9	1710.53	1	1472.71	9	61105.40	9	6874.94	1
402	Min.	-102	-34423.50	1	-34448.20	9	-29513.20	1	-549.94	1	-2884.03	9	-1291.29	1	-38739.70	1	-9138.66	9
402	Min.	-97	-34423.50	1	-34448.20	9	-29513.20	1	-549.94	1	-2884.03	9	-1291.29	1	-38739.70	1	-9138.66	9
402	Min.	-98	-34423.50	1	-34448.20	9	-29513.20	1	-549.94	1	-2884.03	9	-1291.29	1	-38739.70	1	-9138.66	9
402	Min.	-103	-34423.50	1	-34448.20	9	-29513.20	1	-549.94	1	-2884.03	9	-1291.29	1	-38739.70	1	-9138.66	9
402	Max	-100	65335.10	1	20764.80	1	12879.90	1	1719.12	1	182.53	1	677.15	9	257.32	13	4606.84	9
402	Max	-95	65335.10	1	20764.80	1	12879.90	1	1719.12	1	182.53	1	677.15	9	257.32	13	4606.84	9
402	Max	-96	65335.10	1	20764.80	1	12879.90	1	1719.12	1	182.53	1	677.15	9	257.32	13	4606.84	9
402	Max	-101	65335.10	1	20764.80	1	12879.90	1	1719.12	1	182.53	1	677.15	9	257.32	13	4606.84	9
402	Min.	-100	-78983.30	9	-15921.60	9	-21863.40	9	-1850.65	9	-80.31	9	-815.59	1	-495.58	5	-5104.20	1
402	Min.	-95	-78983.30	9	-15921.60	9	-21863.40	9	-1850.65	9	-80.31	9	-815.59	1	-495.58	5	-5104.20	1
402	Min.	-96	-78983.30	9	-15921.60	9	-21863.40	9	-1850.65	9	-80.31	9	-815.59	1	-495.58	5	-5104.20	1
402	Min.	-101	-78983.30	9	-15921.60	9	-21863.40	9	-1850.65	9	-80.31	9	-815.59	1	-495.58	5	-5104.20	1
402	Max	-92	15712.60	1	2904.75	5	28958.10	1	1488.52	1	541.97	9	1022.31	1	7152.31	9	18070.80	9
402	Max	-93	15712.60	1	2904.75	5	28958.10	1	1488.52	1	541.97	9	1022.31	1	7152.31	9	18070.80	9
402	Max	-98	15712.60	1	2904.75	5	28958.10	1	1488.52	1	541.97	9	1022.31	1	7152.31	9	18070.80	9
402	Max	-97	15712.60	1	2904.75	5	28958.10	1	1488.52	1	541.97	9	1022.31	1	7152.31	9	18070.80	9
402	Min.	-92	-10440.80	9	-7558.68	13	-34397.10	9	-2525.61	9	-752.58	1	-1108.20	9	-9299.32	1	-9352.81	1
402	Min.	-93	-10440.80	9	-7558.68	13	-34397.10	9	-2525.61	9	-752.58	1	-1108.20	9	-9299.32	1	-9352.81	1
402	Min.	-98	-10440.80	9	-7558.68	13	-34397.10	9	-2525.61	9	-752.58	1	-1108.20	9	-9299.32	1	-9352.81	1
402	Min.	-97	-10440.80	9	-7558.68	13	-34397.10	9	-2525.61	9	-752.58	1	-1108.20	9	-9299.32	1	-9352.81	1
402	Max	-93	11998.50	1	34842.30	1	7028.22	1	222.83	1	793.44	9	1055.56	1	18750.10	9	4422.59	9
402	Max	-94	11998.50	1	34842.30	1	7028.22	1	222.83	1	793.44	9	1055.56	1	18750.10	9	4422.59	9

402	Max	-99	11998.50	1	34842.30	1	7028.22	1	222.83	1	793.44	9	1055.56	1	18750.10	9	4422.59	9
402	Max	-98	11998.50	1	34842.30	1	7028.22	1	222.83	1	793.44	9	1055.56	1	18750.10	9	4422.59	9
402	Min.	-93	-8251.10	9	-33301.80	9	-1521.95	9	-309.68	9	-967.21	1	-1182.46	9	-17641.40	1	-2715.48	1
402	Min.	-94	-8251.10	9	-33301.80	9	-1521.95	9	-309.68	9	-967.21	1	-1182.46	9	-17641.40	1	-2715.48	1
402	Min.	-99	-8251.10	9	-33301.80	9	-1521.95	9	-309.68	9	-967.21	1	-1182.46	9	-17641.40	1	-2715.48	1
402	Min.	-98	-8251.10	9	-33301.80	9	-1521.95	9	-309.68	9	-967.21	1	-1182.46	9	-17641.40	1	-2715.48	1
402	Max	-95	64773.50	1	12944.80	9	11891.70	1	797.31	9	65.34	1	24.63	9	2922.44	1	7065.45	9
402	Max	-90	64773.50	1	12944.80	9	11891.70	1	797.31	9	65.34	1	24.63	9	2922.44	1	7065.45	9
402	Max	-91	64773.50	1	12944.80	9	11891.70	1	797.31	9	65.34	1	24.63	9	2922.44	1	7065.45	9
402	Max	-96	64773.50	1	12944.80	9	11891.70	1	797.31	9	65.34	1	24.63	9	2922.44	1	7065.45	9
402	Min.	-95	-76753.70	9	-11047.50	1	-18035.00	9	-1079.23	1	-41.35	9	-194.10	1	-3371.14	9	-11360.40	1
402	Min.	-90	-76753.70	9	-11047.50	1	-18035.00	9	-1079.23	1	-41.35	9	-194.10	1	-3371.14	9	-11360.40	1
402	Min.	-91	-76753.70	9	-11047.50	1	-18035.00	9	-1079.23	1	-41.35	9	-194.10	1	-3371.14	9	-11360.40	1
402	Min.	-96	-76753.70	9	-11047.50	1	-18035.00	9	-1079.23	1	-41.35	9	-194.10	1	-3371.14	9	-11360.40	1
402	Max	-96	98702.90	1	61505.70	9	2730.91	9	1096.19	9	839.00	1	382.39	1	14214.10	1	22001.30	9
402	Max	-97	98702.90	1	61505.70	9	2730.91	9	1096.19	9	839.00	1	382.39	1	14214.10	1	22001.30	9
402	Max	-102	98702.90	1	61505.70	9	2730.91	9	1096.19	9	839.00	1	382.39	1	14214.10	1	22001.30	9
402	Max	-101	98702.90	1	61505.70	9	2730.91	9	1096.19	9	839.00	1	382.39	1	14214.10	1	22001.30	9
402	Min.	-96	-81202.60	9	-45389.20	1	-7992.10	1	-1970.13	1	-970.81	9	-218.00	9	-13666.60	9	-40553.50	1
402	Min.	-97	-81202.60	9	-45389.20	1	-7992.10	1	-1970.13	1	-970.81	9	-218.00	9	-13666.60	9	-40553.50	1
402	Min.	-102	-81202.60	9	-45389.20	1	-7992.10	1	-1970.13	1	-970.81	9	-218.00	9	-13666.60	9	-40553.50	1
402	Min.	-101	-81202.60	9	-45389.20	1	-7992.10	1	-1970.13	1	-970.81	9	-218.00	9	-13666.60	9	-40553.50	1
402	Max	-87	18569.70	1	4733.04	1	10878.40	1	1146.72	1	229.53	1	648.87	1	4262.40	1	5382.83	19
402	Max	-88	18569.70	1	4733.04	1	10878.40	1	1146.72	1	229.53	1	648.87	1	4262.40	1	5382.83	19
402	Max	-93	18569.70	1	4733.04	1	10878.40	1	1146.72	1	229.53	1	648.87	1	4262.40	1	5382.83	19
402	Max	-92	18569.70	1	4733.04	1	10878.40	1	1146.72	1	229.53	1	648.87	1	4262.40	1	5382.83	19
402	Min.	-87	-19615.00	9	-3583.83	9	-11053.30	9	-1996.04	9	-299.47	9	-669.24	9	-5661.79	9	2814.65	5
402	Min.	-88	-19615.00	9	-3583.83	9	-11053.30	9	-1996.04	9	-299.47	9	-669.24	9	-5661.79	9	2814.65	5
402	Min.	-93	-19615.00	9	-3583.83	9	-11053.30	9	-1996.04	9	-299.47	9	-669.24	9	-5661.79	9	2814.65	5
402	Min.	-92	-19615.00	9	-3583.83	9	-11053.30	9	-1996.04	9	-299.47	9	-669.24	9	-5661.79	9	2814.65	5
402	Max	-85	19193.30	1	5191.01	1	3998.13	9	342.37	9	164.38	1	3.44	9	4580.12	1	10222.60	9
402	Max	-86	19193.30	1	5191.01	1	3998.13	9	342.37	9	164.38	1	3.44	9	4580.12	1	10222.60	9
402	Max	-91	19193.30	1	5191.01	1	3998.13	9	342.37	9	164.38	1	3.44	9	4580.12	1	10222.60	9
402	Max	-90	19193.30	1	5191.01	1	3998.13	9	342.37	9	164.38	1	3.44	9	4580.12	1	10222.60	9
402	Min.	-85	-16632.30	9	-7392.09	9	-4669.84	1	-670.41	1	-112.37	9	-72.02	1	-3714.53	9	-16025.00	1
402	Min.	-86	-16632.30	9	-7392.09	9	-4669.84	1	-670.41	1	-112.37	9	-72.02	1	-3714.53	9	-16025.00	1
402	Min.	-91	-16632.30	9	-7392.09	9	-4669.84	1	-670.41	1	-112.37	9	-72.02	1	-3714.53	9	-16025.00	1
402	Min.	-90	-16632.30	9	-7392.09	9	-4669.84	1	-670.41	1	-112.37	9	-72.02	1	-3714.53	9	-16025.00	1
402	Max	-86	20484.60	1	525.85	9	8801.47	9	710.01	9	11.64	9	384.37	1	-308.76	9	3083.54	9
402	Max	-87	20484.60	1	525.85	9	8801.47	9	710.01	9	11.64	9	384.37	1	-308.76	9	3083.54	9
402	Max	-92	20484.60	1	525.85	9	8801.47	9	710.01	9	11.64	9	384.37	1	-308.76	9	3083.54	9
402	Max	-91	20484.60	1	525.85	9	8801.47	9	710.01	9	11.64	9	384.37	1	-308.76	9	3083.54	9
402	Min.	-86	-22101.40	9	-1332.70	1	-7846.89	1	-1170.06	1	-24.72	1	-342.07	9	-1802.37	1	-6018.98	1
402	Min.	-87	-22101.40	9	-1332.70	1	-7846.89	1	-1170.06	1	-24.72	1	-342.07	9	-1802.37	1	-6018.98	1
402	Min.	-92	-22101.40	9	-1332.70	1	-7846.89	1	-1170.06	1	-24.72	1	-342.07	9	-1802.37	1	-6018.98	1
402	Min.	-91	-22101.40	9	-1332.70	1	-7846.89	1	-1170.06	1	-24.72	1	-342.07	9	-1802.37	1	-6018.98	1
402	Max	-88	3732.86	1	9781.19	1	7431.29	1	452.68	1	446.51	1	609.74	1	2712.60	9	6540.36	9
402	Max	-89	3732.86	1	9781.19	1	7431.29	1	452.68	1	446.51	1	609.74	1	2712.60	9	6540.36	9
402	Max	-94	3732.86	1	9781.19	1	7431.29	1	452.68	1	446.51	1	609.74	1	2712.60	9	6540.36	9
402	Max	-93	3732.86	1	9781.19	1	7431.29	1	452.68	1	446.51	1	609.74	1	2712.60	9	6540.36	9
402	Min.	-88	-3675.82	9	-10929.70	9	-8587.61	9	-605.46	9	-493.45	9	-681.02	9	-2657.63	1	-3949.91	1
402	Min.	-89	-3675.82	9	-10929.70	9	-8587.61	9	-605.46	9	-493.45	9	-681.02	9	-2657.63	1	-3949.91	1
402	Min.	-94	-3675.82	9	-10929.70	9	-8587.61	9	-605.46	9	-493.45	9	-681.02	9	-2657.63	1	-3949.91	1
402	Min.	-93	-3675.82	9	-10929.70	9	-8587.61	9	-605.46	9	-493.45	9	-681.02	9	-2657.63	1	-3949.91	1
402	Max	-98	-493.53	1	46602.00	1	31460.70	1	412.14	9	272.95	9	938.57	9	30895.50	9	8390.02	9
402	Max	-99	-493.53	1	46602.00	1	31460.70	1	412.14	9	272.95	9	938.57	9	30895.50	9	8390.02	9
402	Max	-104	-493.53	1	46602.00	1	31460.70	1	412.14	9	272.95	9	938.57	9	30895.50	9	8390.02	9
402	Max	-103	-493.53	1	46602.00	1	31460.70	1	412.14	9	272.95	9	938.57	9	30895.50	9	8390.02	9
402	Min.	-98	-4820.22	9	-36523.20	9	-20453.80	9	-285.42	1	-485.98	1	-994.92	1	-29219.70	1	-7434.69	1
402	Min.	-99	-4820.22	9	-36523.20	9	-20453.80	9	-285.42	1	-485.98	1	-994.92	1	-29219.70	1	-7434.69	1
402	Min.	-104	-4820.22	9	-36523.20	9	-20453.80	9	-285.42	1	-485.98	1	-994.92	1	-29219.70	1	-7434.69	1
402	Min.	-103	-4820.22	9	-36523.20	9	-20453.80	9	-285.42	1	-485.98	1	-994.92	1	-29219.70	1	-7434.69	1

Sollecitazioni nuclei

Simbologia

Nucleo = Numero del nucleo
Liv. = Numero del livello
Xg = Coord. baricentrica X
Yg = Coord. baricentrica Y
CC = Numero della combinazione delle condizioni di carico elementari
Z = Coordinata Z
N = Sforzo normale
Tx = Taglio in dir. X
Ty = Taglio in dir. Y
Mx = Momento flettente intorno all'asse X
My = Momento flettente intorno all'asse Y
Mz = Momento flettente intorno all'asse Z

Nucleo	Liv.	Xg <cm>	Yg <cm>	CC	Z <cm>	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
103	1	10.65	17.52	1	-1.25	-18920.10	831.14	287.87	-470.37	773.78	-766.19
103	1	10.65	17.52	±	-1.25	30366.20	6162.77	25936.80	80623.50	14273.40	13462.60
103	1	10.65	17.52	2	-1.25	-19042.20	423.10	160.58	-730.29	595.42	-927.86
103	1	10.65	17.52	±	-1.25	10858.60	2197.88	9298.28	28928.80	5088.61	4799.99
103	1	10.65	17.52	3	-1.25	-18920.10	831.14	287.87	-470.37	773.78	-766.19
103	1	10.65	17.52	±	-1.25	26777.40	6004.46	20392.10	60683.70	14007.70	13188.60
103	1	10.65	17.52	4	-1.25	-19042.20	423.10	160.58	-730.29	595.42	-927.86
103	1	10.65	17.52	±	-1.25	9513.53	2139.84	7218.48	21448.90	4993.83	4701.37
103	1	10.65	17.52	5	-1.25	-18920.10	831.14	287.87	-470.37	773.78	-766.19
103	1	10.65	17.52	±	-1.25	14552.90	2088.93	16190.50	54429.10	4684.92	4454.43
103	1	10.65	17.52	6	-1.25	-19042.20	423.10	160.58	-730.29	595.42	-927.86
103	1	10.65	17.52	±	-1.25	5297.66	747.39	5943.85	20023.20	1670.33	1589.58
103	1	10.65	17.52	7	-1.25	-18920.10	831.14	287.87	-470.37	773.78	-766.19
103	1	10.65	17.52	±	-1.25	-2590.21	-1561.24	2291.86	12036.90	-3799.42	-3540.93

103	1	10.65	17.52	8	-1.25	-19042.20	423.10	160.58	-730.29	595.42	-927.86
103	1	10.65	17.52	±	-1.25	-813.99	-553.92	988.82	4909.89	-1354.41	-1260.83
103	1	10.65	17.52	9	-1.25	-19299.40	-437.07	-107.74	-1278.22	219.43	-1268.66
103	1	10.65	17.52	±	-1.25	30366.20	6162.77	25936.80	80623.50	14273.40	13462.60
103	1	10.65	17.52	10	-1.25	-19177.40	-29.03	19.54	-1018.30	397.79	-1106.99
103	1	10.65	17.52	±	-1.25	10858.60	2197.88	9298.28	28928.80	5088.61	4799.99
103	1	10.65	17.52	11	-1.25	-19299.40	-437.07	-107.74	-1278.22	219.43	-1268.66
103	1	10.65	17.52	±	-1.25	26777.40	6004.46	20392.10	60683.70	14007.70	13188.60
103	1	10.65	17.52	12	-1.25	-19177.40	-29.03	19.54	-1018.30	397.79	-1106.99
103	1	10.65	17.52	±	-1.25	9513.53	2139.84	7218.48	21448.90	4993.83	4701.37
103	1	10.65	17.52	13	-1.25	-19299.40	-437.07	-107.74	-1278.22	219.43	-1268.66
103	1	10.65	17.52	±	-1.25	14552.90	2088.93	16190.50	54429.10	4684.92	4454.43
103	1	10.65	17.52	14	-1.25	-19177.40	-29.03	19.54	-1018.30	397.79	-1106.99
103	1	10.65	17.52	±	-1.25	5297.66	747.39	5943.85	20023.20	1670.33	1589.58
103	1	10.65	17.52	15	-1.25	-19299.40	-437.07	-107.74	-1278.22	219.43	-1268.66
103	1	10.65	17.52	±	-1.25	-2590.21	-1561.24	2291.86	12036.90	-3799.42	-3540.93
103	1	10.65	17.52	16	-1.25	-19177.40	-29.03	19.54	-1018.30	397.79	-1106.99
103	1	10.65	17.52	±	-1.25	-813.99	-553.92	988.82	4909.89	-1354.41	-1260.83
103	1	10.65	17.52	17	-1.25	-29640.20	413.49	664.68	-2494.03	1064.04	-1927.38
103	1	10.65	17.52	18	-1.25	-28576.10	190.04	-179.08	74.73	541.95	-1434.62
103	1	10.65	17.52	19	-1.25	-29000.30	310.65	449.35	-1942.09	812.48	-1691.73
103	1	10.65	17.52	20	-1.25	-29216.10	292.88	36.25	-477.20	793.51	-1670.28
103	1	10.65	17.52	21	-1.25	-22331.80	337.53	591.22	-2204.75	856.92	-1489.79
103	1	10.65	17.52	22	-1.25	-21267.70	114.08	-252.53	364.00	334.82	-997.03
103	1	10.65	17.52	23	-1.25	-21691.80	234.69	375.89	-1652.82	605.35	-1254.13
103	1	10.65	17.52	24	-1.25	-21907.60	216.92	-37.20	-187.93	586.39	-1232.69
103	1	10.65	17.52	25	-1.25	-20410.40	316.98	534.59	-2171.84	786.01	-1328.37
103	1	10.65	17.52	26	-1.25	-19346.30	93.53	-309.16	396.92	263.92	-835.61
103	1	10.65	17.52	27	-1.25	-19770.40	214.14	319.26	-1619.90	534.45	-1092.71
103	1	10.65	17.52	28	-1.25	-19986.20	196.37	-93.83	-155.01	515.48	-1071.27
103	1	10.65	17.52	29	-1.25	-19641.80	308.76	511.94	-2158.67	757.65	-1263.80
103	1	10.65	17.52	30	-1.25	-18577.70	85.31	-331.81	410.08	235.55	-771.04
103	1	10.65	17.52	31	-1.25	-19001.90	205.92	296.61	-1606.74	506.08	-1028.14
103	1	10.65	17.52	32	-1.25	-19217.70	188.15	-116.48	-141.85	487.12	-1006.70
103	1	10.65	17.52	1	-0.25	-18920.10	831.14	287.87	-470.37	773.78	-766.19
103	1	10.65	17.52	±	-0.25	30366.20	6162.77	25936.80	80623.50	14273.40	13462.60
103	1	10.65	17.52	2	-0.25	-19042.20	423.10	160.58	-730.29	595.42	-927.86
103	1	10.65	17.52	±	-0.25	10858.60	2197.88	9298.28	28928.80	5088.61	4799.99
103	1	10.65	17.52	3	-0.25	-18920.10	831.14	287.87	-470.37	773.78	-766.19
103	1	10.65	17.52	±	-0.25	26777.40	6004.46	20392.10	60683.70	14007.70	13188.60
103	1	10.65	17.52	4	-0.25	-19042.20	423.10	160.58	-730.29	595.42	-927.86
103	1	10.65	17.52	±	-0.25	9513.53	2139.84	7218.48	21448.90	4993.83	4701.37
103	1	10.65	17.52	5	-0.25	-18920.10	831.14	287.87	-470.37	773.78	-766.19
103	1	10.65	17.52	±	-0.25	14552.90	2088.93	16190.50	54429.10	4684.92	4454.43
103	1	10.65	17.52	6	-0.25	-19042.20	423.10	160.58	-730.29	595.42	-927.86
103	1	10.65	17.52	±	-0.25	5297.66	747.39	5943.85	20023.20	1670.33	1589.58
103	1	10.65	17.52	7	-0.25	-18920.10	831.14	287.87	-470.37	773.78	-766.19
103	1	10.65	17.52	±	-0.25	-2590.21	-1561.24	2291.86	12036.90	-3799.42	-3540.93
103	1	10.65	17.52	8	-0.25	-19042.20	423.10	160.58	-730.29	595.42	-927.86
103	1	10.65	17.52	±	-0.25	-813.99	-553.92	988.82	4909.89	-1354.41	-1260.83
103	1	10.65	17.52	9	-0.25	-19299.40	-437.07	-107.74	-1278.22	219.43	-1268.66
103	1	10.65	17.52	±	-0.25	30366.20	6162.77	25936.80	80623.50	14273.40	13462.60
103	1	10.65	17.52	10	-0.25	-19177.40	-29.03	19.54	-1018.30	397.79	-1106.99
103	1	10.65	17.52	±	-0.25	10858.60	2197.88	9298.28	28928.80	5088.61	4799.99
103	1	10.65	17.52	11	-0.25	-19299.40	-437.07	-107.74	-1278.22	219.43	-1268.66
103	1	10.65	17.52	±	-0.25	26777.40	6004.46	20392.10	60683.70	14007.70	13188.60
103	1	10.65	17.52	12	-0.25	-19177.40	-29.03	19.54	-1018.30	397.79	-1106.99
103	1	10.65	17.52	±	-0.25	9513.53	2139.84	7218.48	21448.90	4993.83	4701.37
103	1	10.65	17.52	13	-0.25	-19299.40	-437.07	-107.74	-1278.22	219.43	-1268.66
103	1	10.65	17.52	±	-0.25	14552.90	2088.93	16190.50	54429.10	4684.92	4454.43
103	1	10.65	17.52	14	-0.25	-19177.40	-29.03	19.54	-1018.30	397.79	-1106.99
103	1	10.65	17.52	±	-0.25	5297.66	747.39	5943.85	20023.20	1670.33	1589.58
103	1	10.65	17.52	15	-0.25	-19299.40	-437.07	-107.74	-1278.22	219.43	-1268.66
103	1	10.65	17.52	±	-0.25	-2590.21	-1561.24	2291.86	12036.90	-3799.42	-3540.93
103	1	10.65	17.52	16	-0.25	-19177.40	-29.03	19.54	-1018.30	397.79	-1106.99
103	1	10.65	17.52	±	-0.25	-813.99	-553.92	988.82	4909.89	-1354.41	-1260.83
103	1	10.65	17.52	17	-0.25	-29640.20	413.49	664.68	-2494.03	1064.04	-1927.38
103	1	10.65	17.52	18	-0.25	-28576.10	190.04	-179.08	74.73	541.95	-1434.62
103	1	10.65	17.52	19	-0.25	-29000.30	310.65	449.35	-1942.09	812.48	-1691.73
103	1	10.65	17.52	20	-0.25	-29216.10	292.88	36.25	-477.20	793.51	-1670.28
103	1	10.65	17.52	21	-0.25	-22331.80	337.53	591.22	-2204.75	856.92	-1489.79
103	1	10.65	17.52	22	-0.25	-21267.70	114.08	-252.53	364.00	334.82	-997.03
103	1	10.65	17.52	23	-0.25	-21691.80	234.69	375.89	-1652.82	605.35	-1254.13
103	1	10.65	17.52	24	-0.25	-21907.60	216.92	-37.20	-187.93	586.39	-1232.69
103	1	10.65	17.52	25	-0.25	-20410.40	316.98	534.59	-2171.84	786.01	-1328.37
103	1	10.65	17.52	26	-0.25	-19346.30	93.53	-309.16	396.92	263.92	-835.61
103	1	10.65	17.52	27	-0.25	-19770.40	214.14	319.26	-1619.90	534.45	-1092.71
103	1	10.65	17.52	28	-0.25	-19986.20	196.37	-93.83	-155.01	515.48	-1071.27
103	1	10.65	17.52	29	-0.25	-19641.80	308.76	511.94	-2158.67	757.65	-1263.80

103		1	10.65	17.52	30	-0.25	-18577.70	85.31	-331.81	410.08	235.55	-771.04
103		1	10.65	17.52	31	-0.25	-19001.90	205.92	296.61	-1606.74	506.08	-1028.14
103		1	10.65	17.52	32	-0.25	-19217.70	188.15	-116.48	-141.85	487.12	-1006.70
103		2	10.65	17.52	1	-0.25	-18461.70	657.26	540.72	-3727.11	195.11	-425.01
103		2	10.65	17.52	±	-0.25	33004.40	4900.90	28679.10	73221.90	11955.80	12235.10
103		2	10.65	17.52	2	-0.25	-18274.00	270.09	306.03	-3382.87	349.50	-635.66
103		2	10.65	17.52	±	-0.25	11781.50	1747.58	10275.80	26293.20	4262.44	4362.87
103		2	10.65	17.52	3	-0.25	-18461.70	657.26	540.72	-3727.11	195.11	-425.01
103		2	10.65	17.52	±	-0.25	31187.10	4794.85	23137.00	52972.20	11729.80	11952.60
103		2	10.65	17.52	4	-0.25	-18274.00	270.09	306.03	-3382.87	349.50	-635.66
103		2	10.65	17.52	±	-0.25	11103.30	1709.03	8197.16	18696.60	4181.68	4260.23
103		2	10.65	17.52	5	-0.25	-18461.70	657.26	540.72	-3727.11	195.11	-425.01
103		2	10.65	17.52	±	-0.25	12657.60	1631.12	17009.20	52678.70	3929.47	4098.87
103		2	10.65	17.52	6	-0.25	-18274.00	270.09	306.03	-3382.87	349.50	-635.66
103		2	10.65	17.52	±	-0.25	4563.13	582.74	6235.36	19409.40	1401.21	1464.55
103		2	10.65	17.52	7	-0.25	-18461.70	657.26	540.72	-3727.11	195.11	-425.01
103		2	10.65	17.52	±	-0.25	-6599.88	-1277.61	1464.35	14820.40	-3176.23	-3157.44
103		2	10.65	17.52	8	-0.25	-18274.00	270.09	306.03	-3382.87	349.50	-635.66
103		2	10.65	17.52	±	-0.25	-2302.30	-454.25	693.47	5912.50	-1132.03	-1122.39
103		2	10.65	17.52	9	-0.25	-17878.30	-546.09	-188.70	-2657.22	674.96	-1079.71
103		2	10.65	17.52	±	-0.25	33004.40	4900.90	28679.10	73221.90	11955.80	12235.10
103		2	10.65	17.52	10	-0.25	-18066.00	-158.91	45.99	-3001.45	520.57	-869.06
103		2	10.65	17.52	±	-0.25	11781.50	1747.58	10275.80	26293.20	4262.44	4362.87
103		2	10.65	17.52	11	-0.25	-17878.30	-546.09	-188.70	-2657.22	674.96	-1079.71
103		2	10.65	17.52	±	-0.25	31187.10	4794.85	23137.00	52972.20	11729.80	11952.60
103		2	10.65	17.52	12	-0.25	-18066.00	-158.91	45.99	-3001.45	520.57	-869.06
103		2	10.65	17.52	±	-0.25	11103.30	1709.03	8197.16	18696.60	4181.68	4260.23
103		2	10.65	17.52	13	-0.25	-17878.30	-546.09	-188.70	-2657.22	674.96	-1079.71
103		2	10.65	17.52	±	-0.25	12657.60	1631.12	17009.20	52678.70	3929.47	4098.87
103		2	10.65	17.52	14	-0.25	-18066.00	-158.91	45.99	-3001.45	520.57	-869.06
103		2	10.65	17.52	±	-0.25	4563.13	582.74	6235.36	19409.40	1401.21	1464.55
103		2	10.65	17.52	15	-0.25	-17878.30	-546.09	-188.70	-2657.22	674.96	-1079.71
103		2	10.65	17.52	±	-0.25	-6599.88	-1277.61	1464.35	14820.40	-3176.23	-3157.44
103		2	10.65	17.52	16	-0.25	-18066.00	-158.91	45.99	-3001.45	520.57	-869.06
103		2	10.65	17.52	±	-0.25	-2302.30	-454.25	693.47	5912.50	-1132.03	-1122.39
103		2	10.65	17.52	17	-0.25	-28701.10	172.69	859.31	-5818.32	934.38	-1506.44
103		2	10.65	17.52	18	-0.25	-27511.60	-5.38	-85.55	-3531.37	496.11	-1058.46
103		2	10.65	17.52	19	-0.25	-28065.90	87.91	595.31	-5417.18	719.84	-1282.50
103		2	10.65	17.52	20	-0.25	-28146.70	79.40	178.45	-3932.52	710.64	-1282.41
103		2	10.65	17.52	21	-0.25	-21593.30	151.81	748.13	-4666.74	748.57	-1168.30
103		2	10.65	17.52	22	-0.25	-20403.90	-26.27	-196.74	-2379.79	310.31	-720.33
103		2	10.65	17.52	23	-0.25	-20958.20	67.03	484.12	-4265.60	534.04	-944.36
103		2	10.65	17.52	24	-0.25	-21039.00	58.52	67.27	-2780.93	524.84	-944.27
103		2	10.65	17.52	25	-0.25	-19572.90	146.68	676.92	-4430.24	681.14	-1031.20
103		2	10.65	17.52	26	-0.25	-18383.40	-31.40	-267.94	-2143.29	242.88	-583.22
103		2	10.65	17.52	27	-0.25	-18937.70	61.89	412.92	-4029.09	466.61	-807.25
103		2	10.65	17.52	28	-0.25	-19018.50	53.39	-3.93	-2544.43	457.41	-807.16
103		2	10.65	17.52	29	-0.25	-18764.70	144.63	648.45	-4335.64	654.17	-976.35
103		2	10.65	17.52	30	-0.25	-17575.20	-33.45	-296.42	-2048.69	215.90	-528.37
103		2	10.65	17.52	31	-0.25	-18129.60	59.84	384.44	-3934.49	439.63	-752.41
103		2	10.65	17.52	32	-0.25	-18210.40	51.33	-32.41	-2449.83	430.44	-752.32
103		2	10.65	17.52	1	0.28	-18461.70	657.26	540.72	-3727.11	195.11	-425.01
103		2	10.65	17.52	±	0.28	33004.40	4900.90	28679.10	73221.90	11955.80	12235.10
103		2	10.65	17.52	2	0.28	-18274.00	270.09	306.03	-3382.87	349.50	-635.66
103		2	10.65	17.52	±	0.28	11781.50	1747.58	10275.80	26293.20	4262.44	4362.87
103		2	10.65	17.52	3	0.28	-18461.70	657.26	540.72	-3727.11	195.11	-425.01
103		2	10.65	17.52	±	0.28	31187.10	4794.85	23137.00	52972.20	11729.80	11952.60
103		2	10.65	17.52	4	0.28	-18274.00	270.09	306.03	-3382.87	349.50	-635.66
103		2	10.65	17.52	±	0.28	11103.30	1709.03	8197.16	18696.60	4181.68	4260.23
103		2	10.65	17.52	5	0.28	-18461.70	657.26	540.72	-3727.11	195.11	-425.01
103		2	10.65	17.52	±	0.28	12657.60	1631.12	17009.20	52678.70	3929.47	4098.87
103		2	10.65	17.52	6	0.28	-18274.00	270.09	306.03	-3382.87	349.50	-635.66
103		2	10.65	17.52	±	0.28	4563.13	582.74	6235.36	19409.40	1401.21	1464.55
103		2	10.65	17.52	7	0.28	-18461.70	657.26	540.72	-3727.11	195.11	-425.01
103		2	10.65	17.52	±	0.28	-6599.88	-1277.61	1464.35	14820.40	-3176.23	-3157.44
103		2	10.65	17.52	8	0.28	-18274.00	270.09	306.03	-3382.87	349.50	-635.66
103		2	10.65	17.52	±	0.28	-2302.30	-454.25	693.47	5912.50	-1132.03	-1122.39
103		2	10.65	17.52	9	0.28	-17878.30	-546.09	-188.70	-2657.22	674.96	-1079.71
103		2	10.65	17.52	±	0.28	33004.40	4900.90	28679.10	73221.90	11955.80	12235.10
103		2	10.65	17.52	10	0.28	-18066.00	-158.91	45.99	-3001.45	520.57	-869.06
103		2	10.65	17.52	±	0.28	11781.50	1747.58	10275.80	26293.20	4262.44	4362.87
103		2	10.65	17.52	11	0.28	-17878.30	-546.09	-188.70	-2657.22	674.96	-1079.71
103		2	10.65	17.52	±	0.28	31187.10	4794.85	23137.00	52972.20	11729.80	11952.60
103		2	10.65	17.52	12	0.28	-18066.00	-158.91	45.99	-3001.45	520.57	-869.06
103		2	10.65	17.52	±	0.28	11103.30	1709.03	8197.16	18696.60	4181.68	4260.23
103		2	10.65	17.52	13	0.28	-17878.30	-546.09	-188.70	-2657.22	674.96	-1079.71
103		2	10.65	17.52	±	0.28	12657.60	1631.12	17009.20	52678.70	3929.47	4098.87
103		2	10.65	17.52	14	0.28	-18066.00	-158.91	45.99	-3001.45	520.57	-869.06
103		2	10.65	17.52	±	0.28	4563.13	582.74	6235.36	19409.40	1401.21	1464.55

103		2	10.65	17.52	15	0.28	-17878.30	-546.09	-188.70	-2657.22	674.96	-1079.71
103		2	10.65	17.52	±	0.28	-6599.88	-1277.61	1464.35	14820.40	-3176.23	-3157.44
103		2	10.65	17.52	16	0.28	-18066.00	-158.91	45.99	-3001.45	520.57	-869.06
103		2	10.65	17.52	±	0.28	-2302.30	-454.25	693.47	5912.50	-1132.03	-1122.39
103		2	10.65	17.52	17	0.28	-28701.10	172.69	859.31	-5818.32	934.38	-1506.44
103		2	10.65	17.52	18	0.28	-27511.60	-5.38	-85.55	-3531.37	496.11	-1058.46
103		2	10.65	17.52	19	0.28	-28065.90	87.91	595.31	-5417.18	719.84	-1282.50
103		2	10.65	17.52	20	0.28	-28146.70	79.40	178.45	-3932.52	710.64	-1282.41
103		2	10.65	17.52	21	0.28	-21593.30	151.81	748.13	-4666.74	748.57	-1168.30
103		2	10.65	17.52	22	0.28	-20403.90	-26.27	-196.74	-2379.79	310.31	-720.33
103		2	10.65	17.52	23	0.28	-20958.20	67.03	484.12	-4265.60	534.04	-944.36
103		2	10.65	17.52	24	0.28	-21039.00	58.52	67.27	-2780.93	524.84	-944.27
103		2	10.65	17.52	25	0.28	-19572.90	146.68	676.92	-4430.24	681.14	-1031.20
103		2	10.65	17.52	26	0.28	-18383.40	-31.40	-267.94	-2143.29	242.88	-583.22
103		2	10.65	17.52	27	0.28	-18937.70	61.89	412.92	-4029.09	466.61	-807.25
103		2	10.65	17.52	28	0.28	-19018.50	53.39	-3.93	-2544.43	457.41	-807.16
103		2	10.65	17.52	29	0.28	-18764.70	144.63	648.45	-4335.64	654.17	-976.35
103		2	10.65	17.52	30	0.28	-17575.20	-33.45	-296.42	-2048.69	215.90	-528.37
103		2	10.65	17.52	31	0.28	-18129.60	59.84	384.44	-3934.49	439.63	-752.41
103		2	10.65	17.52	32	0.28	-18210.40	51.33	-32.41	-2449.83	430.44	-752.32
103		3	10.65	17.52	1	0.28	-16733.80	25.63	970.74	-2704.00	276.80	573.86
103		3	10.65	17.52	±	0.28	18353.20	943.58	26776.50	35207.50	14806.70	7741.25
103		3	10.65	17.52	2	0.28	-16420.30	-161.82	541.89	-2294.25	585.21	9.06
103		3	10.65	17.52	±	0.28	6549.88	337.11	9598.09	12731.50	5279.30	2760.56
103		3	10.65	17.52	3	0.28	-16733.80	25.63	970.74	-2704.00	276.80	573.86
103		3	10.65	17.52	±	0.28	17496.00	867.08	21180.00	16049.90	14500.70	7562.25
103		3	10.65	17.52	4	0.28	-16420.30	-161.82	541.89	-2294.25	585.21	9.06
103		3	10.65	17.52	±	0.28	6230.65	308.41	7498.90	5543.63	5169.00	2695.26
103		3	10.65	17.52	5	0.28	-16733.80	25.63	970.74	-2704.00	276.80	573.86
103		3	10.65	17.52	±	0.28	6806.02	399.10	16520.90	39617.90	4906.08	2593.86
103		3	10.65	17.52	6	0.28	-16420.30	-161.82	541.89	-2294.25	585.21	9.06
103		3	10.65	17.52	±	0.28	2449.13	144.66	6063.20	14721.00	1751.08	927.22
103		3	10.65	17.52	7	0.28	-16733.80	25.63	970.74	-2704.00	276.80	573.86
103		3	10.65	17.52	±	0.28	-3948.75	-144.10	2133.96	24240.70	-3886.13	-1997.19
103		3	10.65	17.52	8	0.28	-16420.30	-161.82	541.89	-2294.25	585.21	9.06
103		3	10.65	17.52	±	0.28	-1385.03	-48.99	934.10	9238.46	-1383.41	-709.53
103		3	10.65	17.52	9	0.28	-15759.30	-556.97	-362.13	-1430.46	1235.34	-1181.56
103		3	10.65	17.52	±	0.28	18353.20	943.58	26776.50	35207.50	14806.70	7741.25
103		3	10.65	17.52	10	0.28	-16072.80	-369.52	66.71	-1840.22	926.94	-616.76
103		3	10.65	17.52	±	0.28	6549.88	337.11	9598.09	12731.50	5279.30	2760.56
103		3	10.65	17.52	11	0.28	-15759.30	-556.97	-362.13	-1430.46	1235.34	-1181.56
103		3	10.65	17.52	±	0.28	17496.00	867.08	21180.00	16049.90	14500.70	7562.25
103		3	10.65	17.52	12	0.28	-16072.80	-369.52	66.71	-1840.22	926.94	-616.76
103		3	10.65	17.52	±	0.28	6230.65	308.41	7498.90	5543.63	5169.00	2695.26
103		3	10.65	17.52	13	0.28	-15759.30	-556.97	-362.13	-1430.46	1235.34	-1181.56
103		3	10.65	17.52	±	0.28	6806.02	399.10	16520.90	39617.90	4906.08	2593.86
103		3	10.65	17.52	14	0.28	-16072.80	-369.52	66.71	-1840.22	926.94	-616.76
103		3	10.65	17.52	±	0.28	2449.13	144.66	6063.20	14721.00	1751.08	927.22
103		3	10.65	17.52	15	0.28	-15759.30	-556.97	-362.13	-1430.46	1235.34	-1181.56
103		3	10.65	17.52	±	0.28	-3948.75	-144.10	2133.96	24240.70	-3886.13	-1997.19
103		3	10.65	17.52	16	0.28	-16072.80	-369.52	66.71	-1840.22	926.94	-616.76
103		3	10.65	17.52	±	0.28	-1385.03	-48.99	934.10	9238.46	-1383.41	-709.53
103		3	10.65	17.52	17	0.28	-25627.10	-447.06	1038.75	-3037.61	1539.09	-662.97
103		3	10.65	17.52	18	0.28	-24963.80	-479.82	165.92	-2133.80	996.29	-378.34
103		3	10.65	17.52	19	0.28	-25279.90	-459.52	812.65	-3269.81	1270.00	-519.57
103		3	10.65	17.52	20	0.28	-25311.10	-467.36	392.02	-1901.60	1265.38	-521.74
103		3	10.65	17.52	21	0.28	-19211.10	-323.75	871.10	-2455.00	1207.07	-525.40
103		3	10.65	17.52	22	0.28	-18547.80	-356.51	-1.74	-1551.19	664.27	-240.77
103		3	10.65	17.52	23	0.28	-18863.90	-336.21	644.99	-2687.20	937.98	-382.00
103		3	10.65	17.52	24	0.28	-18895.00	-344.05	224.37	-1318.99	933.36	-384.17
103		3	10.65	17.52	25	0.28	-17330.40	-270.56	777.97	-2500.81	1078.79	-468.80
103		3	10.65	17.52	26	0.28	-16667.20	-303.32	-94.87	-1597.00	535.99	-184.17
103		3	10.65	17.52	27	0.28	-16983.20	-283.02	551.87	-2733.01	809.70	-325.40
103		3	10.65	17.52	28	0.28	-17014.40	-290.86	131.24	-1364.80	805.08	-327.57
103		3	10.65	17.52	29	0.28	-16578.20	-249.29	740.72	-2519.13	1027.47	-446.16
103		3	10.65	17.52	30	0.28	-15914.90	-282.05	-132.12	-1615.33	484.67	-161.53
103		3	10.65	17.52	31	0.28	-16231.00	-261.75	514.61	-2751.34	758.38	-302.76
103		3	10.65	17.52	32	0.28	-16262.10	-269.59	93.99	-1383.13	753.76	-304.93
103		3	10.65	17.52	1	0.80	-16733.80	25.63	970.74	-2704.00	276.80	573.86
103		3	10.65	17.52	±	0.80	18353.20	943.58	26776.50	35207.50	14806.70	7741.25
103		3	10.65	17.52	2	0.80	-16420.30	-161.82	541.89	-2294.25	585.21	9.06
103		3	10.65	17.52	±	0.80	6549.88	337.11	9598.09	12731.50	5279.30	2760.56
103		3	10.65	17.52	3	0.80	-16733.80	25.63	970.74	-2704.00	276.80	573.86
103		3	10.65	17.52	±	0.80	17496.00	867.08	21180.00	16049.90	14500.70	7562.25
103		3	10.65	17.52	4	0.80	-16420.30	-161.82	541.89	-2294.25	585.21	9.06
103		3	10.65	17.52	±	0.80	6230.65	308.41	7498.90	5543.63	5169.00	2695.26
103		3	10.65	17.52	5	0.80	-16733.80	25.63	970.74	-2704.00	276.80	573.86
103		3	10.65	17.52	±	0.80	6806.02	399.10	16520.90	39617.90	4906.08	2593.86
103		3	10.65	17.52	6	0.80	-16420.30	-161.82	541.89	-2294.25	585.21	9.06

103	3	10.65	17.52	±	0.80	2449.13	144.66	6063.20	14721.00	1751.08	927.22
103	3	10.65	17.52	7	0.80	-16733.80	25.63	970.74	-2704.00	276.80	573.86
103	3	10.65	17.52	±	0.80	-3948.75	-144.10	2133.96	24240.70	-3886.13	-1997.19
103	3	10.65	17.52	8	0.80	-16420.30	-161.82	541.89	-2294.25	585.21	9.06
103	3	10.65	17.52	±	0.80	-1385.03	-48.99	934.10	9238.46	-1383.41	-709.53
103	3	10.65	17.52	9	0.80	-15759.30	-556.97	-362.13	-1430.46	1235.34	-1181.56
103	3	10.65	17.52	±	0.80	18353.20	943.58	26776.50	35207.50	14806.70	7741.25
103	3	10.65	17.52	10	0.80	-16072.80	-369.52	66.71	-1840.22	926.94	-616.76
103	3	10.65	17.52	±	0.80	6549.88	337.11	9598.09	12731.50	5279.30	2760.56
103	3	10.65	17.52	11	0.80	-15759.30	-556.97	-362.13	-1430.46	1235.34	-1181.56
103	3	10.65	17.52	±	0.80	17496.00	867.08	21180.00	16049.90	14500.70	7562.25
103	3	10.65	17.52	12	0.80	-16072.80	-369.52	66.71	-1840.22	926.94	-616.76
103	3	10.65	17.52	±	0.80	6230.65	308.41	7498.90	5543.63	5169.00	2695.26
103	3	10.65	17.52	13	0.80	-15759.30	-556.97	-362.13	-1430.46	1235.34	-1181.56
103	3	10.65	17.52	±	0.80	6806.02	399.10	16520.90	39617.90	4906.08	2593.86
103	3	10.65	17.52	14	0.80	-16072.80	-369.52	66.71	-1840.22	926.94	-616.76
103	3	10.65	17.52	±	0.80	2449.13	144.66	6063.20	14721.00	1751.08	927.22
103	3	10.65	17.52	15	0.80	-15759.30	-556.97	-362.13	-1430.46	1235.34	-1181.56
103	3	10.65	17.52	±	0.80	-3948.75	-144.10	2133.96	24240.70	-3886.13	-1997.19
103	3	10.65	17.52	16	0.80	-16072.80	-369.52	66.71	-1840.22	926.94	-616.76
103	3	10.65	17.52	±	0.80	-1385.03	-48.99	934.10	9238.46	-1383.41	-709.53
103	3	10.65	17.52	17	0.80	-25627.10	-447.06	1038.75	-3037.61	1539.09	-662.97
103	3	10.65	17.52	18	0.80	-24963.80	-479.82	165.92	-2133.80	996.29	-378.34
103	3	10.65	17.52	19	0.80	-25279.90	-459.52	812.65	-3269.81	1270.00	-519.57
103	3	10.65	17.52	20	0.80	-25311.10	-467.36	392.02	-1901.60	1265.38	-521.74
103	3	10.65	17.52	21	0.80	-19211.10	-323.75	871.10	-2455.00	1207.07	-525.40
103	3	10.65	17.52	22	0.80	-18547.80	-356.51	-1.74	-1551.19	664.27	-240.77
103	3	10.65	17.52	23	0.80	-18863.90	-336.21	644.99	-2687.20	937.98	-382.00
103	3	10.65	17.52	24	0.80	-18895.00	-344.05	224.37	-1318.99	933.36	-384.17
103	3	10.65	17.52	25	0.80	-17330.40	-270.56	777.97	-2500.81	1078.79	-468.80
103	3	10.65	17.52	26	0.80	-16667.20	-303.32	-94.87	-1597.00	535.99	-184.17
103	3	10.65	17.52	27	0.80	-16983.20	-283.02	551.87	-2733.01	809.70	-325.40
103	3	10.65	17.52	28	0.80	-17014.40	-290.86	131.24	-1364.80	805.08	-327.57
103	3	10.65	17.52	29	0.80	-16578.20	-249.29	740.72	-2519.13	1027.47	-446.16
103	3	10.65	17.52	30	0.80	-15914.90	-282.05	-132.12	-1615.33	484.67	-161.53
103	3	10.65	17.52	31	0.80	-16231.00	-261.75	514.61	-2751.34	758.38	-302.76
103	3	10.65	17.52	32	0.80	-16262.10	-269.59	93.99	-1383.13	753.76	-304.93
103	4	10.65	17.52	1	0.80	-14548.40	-511.76	1219.55	-1283.67	650.82	824.44
103	4	10.65	17.52	±	0.80	10883.10	1205.52	18989.90	16431.70	16582.50	6868.74
103	4	10.65	17.52	2	0.80	-14223.30	-474.66	747.13	-1086.21	1000.09	42.59
103	4	10.65	17.52	±	0.80	3884.10	430.75	6828.01	6013.08	5912.84	2449.78
103	4	10.65	17.52	3	0.80	-14548.40	-511.76	1219.55	-1283.67	650.82	824.44
103	4	10.65	17.52	±	0.80	10361.40	1097.33	12788.90	25.39	16217.20	6695.48
103	4	10.65	17.52	4	0.80	-14223.30	-474.66	747.13	-1086.21	1000.09	42.59
103	4	10.65	17.52	±	0.80	3689.73	390.23	4501.60	-142.66	5780.49	2385.99
103	4	10.65	17.52	5	0.80	-14548.40	-511.76	1219.55	-1283.67	650.82	824.44
103	4	10.65	17.52	±	0.80	4056.14	525.75	15101.80	29812.40	5528.78	2323.41
103	4	10.65	17.52	6	0.80	-14223.30	-474.66	747.13	-1086.21	1000.09	42.59
103	4	10.65	17.52	±	0.80	1460.03	190.68	5576.80	11140.10	1974.58	831.69
103	4	10.65	17.52	7	0.80	-14548.40	-511.76	1219.55	-1283.67	650.82	824.44
103	4	10.65	17.52	±	0.80	-2317.21	-165.10	5568.19	24875.30	-4311.12	-1745.86
103	4	10.65	17.52	8	0.80	-14223.30	-474.66	747.13	-1086.21	1000.09	42.59
103	4	10.65	17.52	±	0.80	-812.12	-55.62	2177.92	9379.00	-1533.42	-619.04
103	4	10.65	17.52	9	0.80	-13538.00	-396.45	-248.75	-669.97	1736.35	-1605.58
103	4	10.65	17.52	±	0.80	10883.10	1205.52	18989.90	16431.70	16582.50	6868.74
103	4	10.65	17.52	10	0.80	-13863.10	-433.55	223.67	-867.43	1387.08	-823.73
103	4	10.65	17.52	±	0.80	3884.10	430.75	6828.01	6013.08	5912.84	2449.78
103	4	10.65	17.52	11	0.80	-13538.00	-396.45	-248.75	-669.97	1736.35	-1605.58
103	4	10.65	17.52	±	0.80	10361.40	1097.33	12788.90	25.39	16217.20	6695.48
103	4	10.65	17.52	12	0.80	-13863.10	-433.55	223.67	-867.43	1387.08	-823.73
103	4	10.65	17.52	±	0.80	3689.73	390.23	4501.60	-142.66	5780.49	2385.99
103	4	10.65	17.52	13	0.80	-13538.00	-396.45	-248.75	-669.97	1736.35	-1605.58
103	4	10.65	17.52	±	0.80	4056.14	525.75	15101.80	29812.40	5528.78	2323.41
103	4	10.65	17.52	14	0.80	-13863.10	-433.55	223.67	-867.43	1387.08	-823.73
103	4	10.65	17.52	±	0.80	1460.03	190.68	5576.80	11140.10	1974.58	831.69
103	4	10.65	17.52	15	0.80	-13538.00	-396.45	-248.75	-669.97	1736.35	-1605.58
103	4	10.65	17.52	±	0.80	-2317.21	-165.10	5568.19	24875.30	-4311.12	-1745.86
103	4	10.65	17.52	16	0.80	-13863.10	-433.55	223.67	-867.43	1387.08	-823.73
103	4	10.65	17.52	±	0.80	-812.12	-55.62	2177.92	9379.00	-1533.42	-619.04
103	4	10.65	17.52	17	0.80	-22258.80	-802.11	1158.98	-816.60	2320.17	-796.09
103	4	10.65	17.52	18	0.80	-21866.10	-759.43	586.63	-550.26	1712.57	-543.03
103	4	10.65	17.52	19	0.80	-22053.40	-777.93	1100.14	-1260.78	2017.27	-667.78
103	4	10.65	17.52	20	0.80	-22071.40	-783.61	645.46	-106.08	2015.47	-671.34
103	4	10.65	17.52	21	0.80	-16639.90	-595.54	924.05	-740.17	1790.44	-619.15
103	4	10.65	17.52	22	0.80	-16247.20	-552.86	351.70	-473.82	1182.85	-366.09
103	4	10.65	17.52	23	0.80	-16434.60	-571.36	865.21	-1184.34	1487.54	-490.84
103	4	10.65	17.52	24	0.80	-16452.50	-577.04	410.54	-29.65	1485.74	-494.40
103	4	10.65	17.52	25	0.80	-14925.40	-509.76	815.14	-1004.33	1581.11	-546.26
103	4	10.65	17.52	26	0.80	-14532.70	-467.08	242.79	-737.98	973.52	-293.20

103		4	10.65	17.52	27	0.80	-14720.00	-485.58	756.30	-1448.50	1278.22	-417.95
103		4	10.65	17.52	28	0.80	-14738.00	-491.26	301.62	-293.81	1276.42	-421.51
103		4	10.65	17.52	29	0.80	-14239.50	-475.44	771.57	-1109.99	1497.38	-517.10
103		4	10.65	17.52	30	0.80	-13846.90	-432.77	199.23	-843.65	889.79	-264.04
103		4	10.65	17.52	31	0.80	-14034.20	-451.27	712.74	-1554.17	1194.49	-388.79
103		4	10.65	17.52	32	0.80	-14052.20	-456.95	258.06	-399.47	1192.69	-392.35
103		4	10.65	17.52	1	1.32	-14548.40	-511.76	1219.55	-1283.67	650.82	824.44
103		4	10.65	17.52	±	1.32	10883.10	1205.52	18989.90	16431.70	16582.50	6868.74
103		4	10.65	17.52	2	1.32	-14223.30	-474.66	747.13	-1086.21	1000.09	42.59
103		4	10.65	17.52	±	1.32	3884.10	430.75	6828.01	6013.08	5912.84	2449.78
103		4	10.65	17.52	3	1.32	-14548.40	-511.76	1219.55	-1283.67	650.82	824.44
103		4	10.65	17.52	±	1.32	10361.40	1097.33	12788.90	25.39	16217.20	6695.48
103		4	10.65	17.52	4	1.32	-14223.30	-474.66	747.13	-1086.21	1000.09	42.59
103		4	10.65	17.52	±	1.32	3689.73	390.23	4501.60	-142.66	5780.49	2385.99
103		4	10.65	17.52	5	1.32	-14548.40	-511.76	1219.55	-1283.67	650.82	824.44
103		4	10.65	17.52	±	1.32	4056.14	525.75	15101.80	29812.40	5528.78	2323.41
103		4	10.65	17.52	6	1.32	-14223.30	-474.66	747.13	-1086.21	1000.09	42.59
103		4	10.65	17.52	±	1.32	1460.03	190.68	5576.80	11140.10	1974.58	831.69
103		4	10.65	17.52	7	1.32	-14548.40	-511.76	1219.55	-1283.67	650.82	824.44
103		4	10.65	17.52	±	1.32	-2317.21	-165.10	5568.19	24875.30	-4311.12	-1745.86
103		4	10.65	17.52	8	1.32	-14223.30	-474.66	747.13	-1086.21	1000.09	42.59
103		4	10.65	17.52	±	1.32	-812.12	-55.62	2177.92	9379.00	-1533.42	-619.04
103		4	10.65	17.52	9	1.32	-13538.00	-396.45	-248.75	-669.97	1736.35	-1605.58
103		4	10.65	17.52	±	1.32	10883.10	1205.52	18989.90	16431.70	16582.50	6868.74
103		4	10.65	17.52	10	1.32	-13863.10	-433.55	223.67	-867.43	1387.08	-823.73
103		4	10.65	17.52	±	1.32	3884.10	430.75	6828.01	6013.08	5912.84	2449.78
103		4	10.65	17.52	11	1.32	-13538.00	-396.45	-248.75	-669.97	1736.35	-1605.58
103		4	10.65	17.52	±	1.32	10361.40	1097.33	12788.90	25.39	16217.20	6695.48
103		4	10.65	17.52	12	1.32	-13863.10	-433.55	223.67	-867.43	1387.08	-823.73
103		4	10.65	17.52	±	1.32	3689.73	390.23	4501.60	-142.66	5780.49	2385.99
103		4	10.65	17.52	13	1.32	-13538.00	-396.45	-248.75	-669.97	1736.35	-1605.58
103		4	10.65	17.52	±	1.32	4056.14	525.75	15101.80	29812.40	5528.78	2323.41
103		4	10.65	17.52	14	1.32	-13863.10	-433.55	223.67	-867.43	1387.08	-823.73
103		4	10.65	17.52	±	1.32	1460.03	190.68	5576.80	11140.10	1974.58	831.69
103		4	10.65	17.52	15	1.32	-13538.00	-396.45	-248.75	-669.97	1736.35	-1605.58
103		4	10.65	17.52	±	1.32	-2317.21	-165.10	5568.19	24875.30	-4311.12	-1745.86
103		4	10.65	17.52	16	1.32	-13863.10	-433.55	223.67	-867.43	1387.08	-823.73
103		4	10.65	17.52	±	1.32	-812.12	-55.62	2177.92	9379.00	-1533.42	-619.04
103		4	10.65	17.52	17	1.32	-22258.80	-802.11	1158.98	-816.60	2320.17	-796.09
103		4	10.65	17.52	18	1.32	-21866.10	-759.43	586.63	-550.26	1712.57	-543.03
103		4	10.65	17.52	19	1.32	-22053.40	-777.93	1100.14	-1260.78	2017.27	-667.78
103		4	10.65	17.52	20	1.32	-22071.40	-783.61	645.46	-106.08	2015.47	-671.34
103		4	10.65	17.52	21	1.32	-16639.90	-595.54	924.05	-740.17	1790.44	-619.15
103		4	10.65	17.52	22	1.32	-16247.20	-552.86	351.70	-473.82	1182.85	-366.09
103		4	10.65	17.52	23	1.32	-16434.60	-571.36	865.22	-1184.34	1487.54	-490.84
103		4	10.65	17.52	24	1.32	-16452.50	-577.04	410.54	-29.65	1485.74	-494.40
103		4	10.65	17.52	25	1.32	-14925.40	-509.76	815.14	-1004.33	1581.11	-546.26
103		4	10.65	17.52	26	1.32	-14532.70	-467.08	242.79	-737.98	973.52	-293.20
103		4	10.65	17.52	27	1.32	-14720.00	-485.58	756.30	-1448.50	1278.22	-417.95
103		4	10.65	17.52	28	1.32	-14738.00	-491.26	301.63	-293.81	1276.42	-421.51
103		4	10.65	17.52	29	1.32	-14239.50	-475.45	771.57	-1109.99	1497.38	-517.10
103		4	10.65	17.52	30	1.32	-13846.90	-432.77	199.23	-843.65	889.79	-264.04
103		4	10.65	17.52	31	1.32	-14034.20	-451.27	712.74	-1554.17	1194.49	-388.79
103		4	10.65	17.52	32	1.32	-14052.20	-456.95	258.06	-399.47	1192.69	-392.35
103		5	10.65	17.52	1	1.32	-12151.00	-1894.31	1133.18	-474.19	1640.35	1046.04
103		5	10.65	17.52	±	1.32	5181.57	4585.03	8994.21	8305.20	18996.60	6264.99
103		5	10.65	17.52	2	1.32	-11957.80	-1487.76	806.23	-505.42	1865.81	172.21
103		5	10.65	17.52	±	1.32	1847.55	1636.58	3269.64	3088.05	6774.12	2234.69
103		5	10.65	17.52	3	1.32	-12151.00	-1894.31	1133.18	-474.19	1640.35	1046.04
103		5	10.65	17.52	±	1.32	5071.22	4348.97	2284.47	-4770.11	18546.30	6096.51
103		5	10.65	17.52	4	1.32	-11957.80	-1487.76	806.23	-505.42	1865.81	172.21
103		5	10.65	17.52	±	1.32	1807.64	1548.47	752.12	-1817.88	6610.21	2172.31
103		5	10.65	17.52	5	1.32	-12151.00	-1894.31	1133.18	-474.19	1640.35	1046.04
103		5	10.65	17.52	±	1.32	1721.83	1733.54	12874.70	22322.40	6381.89	2135.03
103		5	10.65	17.52	6	1.32	-11957.80	-1487.76	806.23	-505.42	1865.81	172.21
103		5	10.65	17.52	±	1.32	614.79	624.61	4799.13	8367.09	2280.84	765.02
103		5	10.65	17.52	7	1.32	-12151.00	-1894.31	1133.18	-474.19	1640.35	1046.04
103		5	10.65	17.52	±	1.32	-1354.00	-946.66	9491.10	21261.90	-4880.99	-1573.42
103		5	10.65	17.52	8	1.32	-11957.80	-1487.76	806.23	-505.42	1865.81	172.21
103		5	10.65	17.52	±	1.32	-481.77	-330.90	3592.61	7986.04	-1734.46	-557.08
103		5	10.65	17.52	9	1.32	-11550.50	-630.73	117.01	-571.24	2341.09	-1669.86
103		5	10.65	17.52	±	1.32	5181.57	4585.03	8994.21	8305.20	18996.60	6264.99
103		5	10.65	17.52	10	1.32	-11743.70	-1037.28	443.96	-540.02	2115.63	-796.03
103		5	10.65	17.52	±	1.32	1847.55	1636.58	3269.64	3088.05	6774.12	2234.69
103		5	10.65	17.52	11	1.32	-11550.50	-630.73	117.01	-571.24	2341.09	-1669.86
103		5	10.65	17.52	±	1.32	5071.22	4348.97	2284.47	-4770.11	18546.30	6096.51
103		5	10.65	17.52	12	1.32	-11743.70	-1037.28	443.96	-540.02	2115.63	-796.03
103		5	10.65	17.52	±	1.32	1807.64	1548.47	752.12	-1817.88	6610.21	2172.31
103		5	10.65	17.52	13	1.32	-11550.50	-630.73	117.01	-571.24	2341.09	-1669.86

103	5	10.65	17.52	±	1.32	1721.83	1733.54	12874.70	22322.40	6381.89	2135.03
103	5	10.65	17.52	14	1.32	-11743.70	-1037.28	443.96	-540.02	2115.63	-796.03
103	5	10.65	17.52	±	1.32	614.79	624.61	4799.13	8367.09	2280.84	765.02
103	5	10.65	17.52	15	1.32	-11550.50	-630.73	117.01	-571.24	2341.09	-1669.86
103	5	10.65	17.52	±	1.32	-1354.00	-946.66	9491.10	21261.90	-4880.99	-1573.42
103	5	10.65	17.52	16	1.32	-11743.70	-1037.28	443.96	-540.02	2115.63	-796.03
103	5	10.65	17.52	±	1.32	-481.77	-330.90	3592.61	7986.04	-1734.46	-557.08
103	5	10.65	17.52	17	1.32	-18941.10	-2232.65	1178.69	100.54	3721.39	-652.76
103	5	10.65	17.52	18	1.32	-18752.30	-2068.28	986.16	132.62	3026.31	-421.71
103	5	10.65	17.52	19	1.32	-18852.30	-2147.67	1321.09	-339.79	3373.68	-535.55
103	5	10.65	17.52	20	1.32	-18841.10	-2153.27	843.76	572.96	3374.01	-538.92
103	5	10.65	17.52	21	1.32	-14115.00	-1665.82	891.50	-36.70	2833.88	-510.52
103	5	10.65	17.52	22	1.32	-13926.20	-1501.45	698.98	-4.62	2138.80	-279.47
103	5	10.65	17.52	23	1.32	-14026.20	-1580.83	1033.91	-477.04	2486.18	-393.31
103	5	10.65	17.52	24	1.32	-14015.00	-1586.43	556.58	435.71	2486.51	-396.69
103	5	10.65	17.52	25	1.32	-12565.10	-1436.45	769.97	-395.31	2479.87	-451.17
103	5	10.65	17.52	26	1.32	-12376.30	-1272.08	577.45	-363.23	1784.79	-220.12
103	5	10.65	17.52	27	1.32	-12476.30	-1351.47	912.37	-835.65	2132.16	-333.96
103	5	10.65	17.52	28	1.32	-12465.10	-1357.07	435.05	77.10	2132.49	-337.34
103	5	10.65	17.52	29	1.32	-11945.20	-1344.71	721.36	-538.76	2338.26	-427.43
103	5	10.65	17.52	30	1.32	-11756.40	-1180.34	528.83	-506.67	1643.18	-196.38
103	5	10.65	17.52	31	1.32	-11856.40	-1259.72	863.76	-979.09	1990.55	-310.22
103	5	10.65	17.52	32	1.32	-11845.20	-1265.32	386.43	-66.34	1990.88	-313.60
103	5	10.65	17.52	1	1.85	-12151.00	-1894.31	1133.18	-474.19	1640.35	1046.04
103	5	10.65	17.52	±	1.85	5181.57	4585.03	8994.21	8305.20	18996.60	6264.99
103	5	10.65	17.52	2	1.85	-11957.80	-1487.76	806.23	-505.42	1865.81	172.21
103	5	10.65	17.52	±	1.85	1847.55	1636.58	3269.64	3088.05	6774.12	2234.69
103	5	10.65	17.52	3	1.85	-12151.00	-1894.31	1133.18	-474.19	1640.35	1046.04
103	5	10.65	17.52	±	1.85	5071.22	4348.97	2284.47	-4770.12	18546.30	6096.51
103	5	10.65	17.52	4	1.85	-11957.80	-1487.76	806.23	-505.42	1865.81	172.21
103	5	10.65	17.52	±	1.85	1807.64	1548.47	752.12	-1817.88	6610.21	2172.31
103	5	10.65	17.52	5	1.85	-12151.00	-1894.31	1133.18	-474.19	1640.35	1046.04
103	5	10.65	17.52	±	1.85	1721.83	1733.54	12874.70	22322.40	6381.89	2135.03
103	5	10.65	17.52	6	1.85	-11957.80	-1487.76	806.23	-505.42	1865.81	172.21
103	5	10.65	17.52	±	1.85	614.79	624.61	4799.13	8367.09	2280.84	765.02
103	5	10.65	17.52	7	1.85	-12151.00	-1894.31	1133.18	-474.19	1640.35	1046.04
103	5	10.65	17.52	±	1.85	-1354.00	-946.66	9491.10	21261.90	-4880.99	-1573.42
103	5	10.65	17.52	8	1.85	-11957.80	-1487.76	806.23	-505.42	1865.81	172.21
103	5	10.65	17.52	±	1.85	-481.77	-330.90	3592.61	7986.04	-1734.46	-557.08
103	5	10.65	17.52	9	1.85	-11550.50	-630.73	117.01	-571.24	2341.09	-1669.86
103	5	10.65	17.52	±	1.85	5181.57	4585.03	8994.21	8305.20	18996.60	6264.99
103	5	10.65	17.52	10	1.85	-11743.70	-1037.28	443.96	-540.02	2115.63	-796.03
103	5	10.65	17.52	±	1.85	1847.55	1636.58	3269.64	3088.05	6774.12	2234.69
103	5	10.65	17.52	11	1.85	-11550.50	-630.73	117.01	-571.24	2341.09	-1669.86
103	5	10.65	17.52	±	1.85	5071.22	4348.97	2284.47	-4770.12	18546.30	6096.51
103	5	10.65	17.52	12	1.85	-11743.70	-1037.28	443.96	-540.02	2115.63	-796.03
103	5	10.65	17.52	±	1.85	1807.64	1548.47	752.12	-1817.88	6610.21	2172.31
103	5	10.65	17.52	13	1.85	-11550.50	-630.73	117.01	-571.24	2341.09	-1669.86
103	5	10.65	17.52	±	1.85	1721.83	1733.54	12874.70	22322.40	6381.89	2135.03
103	5	10.65	17.52	14	1.85	-11743.70	-1037.28	443.96	-540.02	2115.63	-796.03
103	5	10.65	17.52	±	1.85	614.79	624.61	4799.13	8367.09	2280.84	765.02
103	5	10.65	17.52	15	1.85	-11550.50	-630.73	117.01	-571.24	2341.09	-1669.86
103	5	10.65	17.52	±	1.85	-1354.00	-946.66	9491.10	21261.90	-4880.99	-1573.42
103	5	10.65	17.52	16	1.85	-11743.70	-1037.28	443.96	-540.02	2115.63	-796.03
103	5	10.65	17.52	±	1.85	-481.77	-330.90	3592.61	7986.04	-1734.46	-557.08
103	5	10.65	17.52	17	1.85	-18941.10	-2232.65	1178.69	100.54	3721.39	-652.76
103	5	10.65	17.52	18	1.85	-18752.30	-2068.28	986.16	132.62	3026.31	-421.71
103	5	10.65	17.52	19	1.85	-18852.30	-2147.67	1321.09	-339.79	3373.68	-535.55
103	5	10.65	17.52	20	1.85	-18841.10	-2153.27	843.76	572.96	3374.01	-538.92
103	5	10.65	17.52	21	1.85	-14115.00	-1665.82	891.50	-36.70	2833.88	-510.52
103	5	10.65	17.52	22	1.85	-13926.20	-1501.45	698.98	-4.62	2138.80	-279.47
103	5	10.65	17.52	23	1.85	-14026.20	-1580.83	1033.91	-477.04	2486.18	-393.31
103	5	10.65	17.52	24	1.85	-14015.00	-1586.43	556.58	435.71	2486.51	-396.69
103	5	10.65	17.52	25	1.85	-12565.10	-1436.45	769.97	-395.31	2479.87	-451.17
103	5	10.65	17.52	26	1.85	-12376.30	-1272.08	577.45	-363.23	1784.79	-220.12
103	5	10.65	17.52	27	1.85	-12476.30	-1351.47	912.37	-835.65	2132.16	-333.96
103	5	10.65	17.52	28	1.85	-12465.10	-1357.07	435.05	77.10	2132.49	-337.34
103	5	10.65	17.52	29	1.85	-11945.20	-1344.71	721.36	-538.76	2338.26	-427.43
103	5	10.65	17.52	30	1.85	-11756.40	-1180.34	528.83	-506.67	1643.18	-196.38
103	5	10.65	17.52	31	1.85	-11856.40	-1259.72	863.76	-979.09	1990.55	-310.22
103	5	10.65	17.52	32	1.85	-11845.20	-1265.32	386.43	-66.34	1990.88	-313.60
103	6	10.65	18.52	1	1.85	-5193.11	-312.70	163.71	-935.01	1848.69	840.98
103	6	10.65	18.52	±	1.85	4363.47	5578.98	10010.30	9444.57	13206.30	4586.44
103	6	10.65	18.52	2	1.85	-4934.11	135.52	695.59	-1209.59	1610.34	698.37
103	6	10.65	18.52	±	1.85	1561.90	1989.38	3618.53	3449.01	4709.57	1636.11
103	6	10.65	18.52	3	1.85	-5193.11	-312.70	163.71	-935.01	1848.69	840.98
103	6	10.65	18.52	±	1.85	3685.09	5458.57	4702.87	758.87	12875.80	4433.88
103	6	10.65	18.52	4	1.85	-4934.11	135.52	695.59	-1209.59	1610.34	698.37
103	6	10.65	18.52	±	1.85	1307.49	1945.60	1627.22	190.10	4588.87	1579.71

103	6	10.65	18.52	5	1.85	-5193.11	-312.70	163.71	-935.01	1848.69	840.98
103	6	10.65	18.52	±	1.85	2337.92	1856.33	11052.70	16006.70	4463.11	1607.31
103	6	10.65	18.52	6	1.85	-4934.11	135.52	695.59	-1209.59	1610.34	698.37
103	6	10.65	18.52	±	1.85	854.42	663.21	4105.71	5977.37	1595.93	576.37
103	6	10.65	18.52	7	1.85	-5193.11	-312.70	163.71	-935.01	1848.69	840.98
103	6	10.65	18.52	±	1.85	-76.65	-1454.94	6638.76	12945.70	-3361.50	-1098.79
103	6	10.65	18.52	8	1.85	-4934.11	135.52	695.59	-1209.59	1610.34	698.37
103	6	10.65	18.52	±	1.85	-6.40	-517.29	2531.98	4885.64	-1193.60	-388.37
103	6	10.65	18.52	9	1.85	-4388.12	1080.39	1816.81	-1788.39	1107.89	397.75
103	6	10.65	18.52	±	1.85	4363.47	5578.98	10010.30	9444.57	13206.30	4586.44
103	6	10.65	18.52	10	1.85	-4647.13	632.17	1284.93	-1513.82	1346.24	540.35
103	6	10.65	18.52	±	1.85	1561.90	1989.38	3618.53	3449.01	4709.57	1636.11
103	6	10.65	18.52	11	1.85	-4388.12	1080.39	1816.81	-1788.39	1107.89	397.75
103	6	10.65	18.52	±	1.85	3685.09	5458.57	4702.87	758.87	12875.80	4433.88
103	6	10.65	18.52	12	1.85	-4647.13	632.17	1284.93	-1513.82	1346.24	540.35
103	6	10.65	18.52	±	1.85	1307.49	1945.60	1627.22	190.10	4588.87	1579.71
103	6	10.65	18.52	13	1.85	-4388.12	1080.39	1816.81	-1788.39	1107.89	397.75
103	6	10.65	18.52	±	1.85	2337.92	1856.33	11052.70	16006.70	4463.11	1607.31
103	6	10.65	18.52	14	1.85	-4647.13	632.17	1284.93	-1513.82	1346.24	540.35
103	6	10.65	18.52	±	1.85	854.42	663.21	4105.71	5977.37	1595.93	576.37
103	6	10.65	18.52	15	1.85	-4388.12	1080.39	1816.81	-1788.39	1107.89	397.75
103	6	10.65	18.52	±	1.85	-76.65	-1454.94	6638.76	12945.70	-3361.50	-1098.79
103	6	10.65	18.52	16	1.85	-4647.13	632.17	1284.93	-1513.82	1346.24	540.35
103	6	10.65	18.52	±	1.85	-6.40	-517.29	2531.98	4885.64	-1193.60	-388.37
103	6	10.65	18.52	17	1.85	-7176.74	752.13	1793.87	-2375.84	2748.68	1133.09
103	6	10.65	18.52	18	1.85	-7327.69	546.84	1532.10	-2206.04	2266.89	966.54
103	6	10.65	18.52	19	1.85	-7274.69	650.20	1849.33	-2595.07	2508.78	1048.75
103	6	10.65	18.52	20	1.85	-7229.74	648.77	1476.64	-1986.80	2506.78	1050.88
103	6	10.65	18.52	21	1.85	-5361.17	581.40	1358.04	-1774.99	2088.74	856.92
103	6	10.65	18.52	22	1.85	-5512.12	376.10	1096.27	-1605.19	1606.95	690.36
103	6	10.65	18.52	23	1.85	-5459.12	479.46	1413.50	-1994.22	1848.85	772.58
103	6	10.65	18.52	24	1.85	-5414.17	478.03	1040.81	-1385.95	1846.84	774.70
103	6	10.65	18.52	25	1.85	-4899.72	513.61	1188.83	-1540.43	1824.77	746.72
103	6	10.65	18.52	26	1.85	-5050.67	308.31	927.06	-1370.63	1342.98	580.16
103	6	10.65	18.52	27	1.85	-4997.67	411.68	1244.29	-1759.66	1584.88	662.38
103	6	10.65	18.52	28	1.85	-4952.72	410.25	871.60	-1151.39	1582.88	664.50
103	6	10.65	18.52	29	1.85	-4715.14	486.50	1121.14	-1446.60	1719.19	702.64
103	6	10.65	18.52	30	1.85	-4866.09	281.20	859.38	-1276.80	1237.40	536.09
103	6	10.65	18.52	31	1.85	-4813.09	384.56	1176.61	-1665.84	1479.29	618.30
103	6	10.65	18.52	32	1.85	-4768.14	383.13	803.91	-1057.57	1477.29	620.42
103	6	10.65	18.52	1	2.28	-5193.11	-312.70	163.71	-935.01	1848.69	840.98
103	6	10.65	18.52	±	2.28	4363.47	5578.98	10010.30	9444.57	13206.30	4586.44
103	6	10.65	18.52	2	2.28	-4934.11	135.52	695.59	-1209.58	1610.34	698.37
103	6	10.65	18.52	±	2.28	1561.90	1989.38	3618.53	3449.01	4709.57	1636.11
103	6	10.65	18.52	3	2.28	-5193.11	-312.70	163.71	-935.01	1848.69	840.98
103	6	10.65	18.52	±	2.28	3685.09	5458.57	4702.87	758.87	12875.80	4433.88
103	6	10.65	18.52	4	2.28	-4934.11	135.52	695.59	-1209.58	1610.34	698.37
103	6	10.65	18.52	±	2.28	1307.49	1945.60	1627.22	190.10	4588.87	1579.71
103	6	10.65	18.52	5	2.28	-5193.11	-312.70	163.71	-935.01	1848.69	840.98
103	6	10.65	18.52	±	2.28	2337.92	1856.33	11052.70	16006.70	4463.11	1607.31
103	6	10.65	18.52	6	2.28	-4934.11	135.52	695.59	-1209.58	1610.34	698.37
103	6	10.65	18.52	±	2.28	854.42	663.21	4105.71	5977.37	1595.93	576.37
103	6	10.65	18.52	7	2.28	-5193.11	-312.70	163.71	-935.01	1848.69	840.98
103	6	10.65	18.52	±	2.28	-76.65	-1454.94	6638.76	12945.70	-3361.50	-1098.79
103	6	10.65	18.52	8	2.28	-4934.11	135.52	695.59	-1209.58	1610.34	698.37
103	6	10.65	18.52	±	2.28	-6.40	-517.29	2531.98	4885.64	-1193.60	-388.37
103	6	10.65	18.52	9	2.28	-4388.12	1080.39	1816.81	-1788.39	1107.89	397.75
103	6	10.65	18.52	±	2.28	4363.47	5578.98	10010.30	9444.57	13206.30	4586.44
103	6	10.65	18.52	10	2.28	-4647.13	632.17	1284.93	-1513.82	1346.24	540.35
103	6	10.65	18.52	±	2.28	1561.90	1989.38	3618.53	3449.01	4709.57	1636.11
103	6	10.65	18.52	11	2.28	-4388.12	1080.39	1816.81	-1788.39	1107.89	397.75
103	6	10.65	18.52	±	2.28	3685.09	5458.57	4702.87	758.87	12875.80	4433.88
103	6	10.65	18.52	12	2.28	-4647.13	632.17	1284.93	-1513.82	1346.24	540.35
103	6	10.65	18.52	±	2.28	1307.49	1945.60	1627.22	190.10	4588.87	1579.71
103	6	10.65	18.52	13	2.28	-4388.12	1080.39	1816.81	-1788.39	1107.89	397.75
103	6	10.65	18.52	±	2.28	2337.92	1856.33	11052.70	16006.70	4463.11	1607.31
103	6	10.65	18.52	14	2.28	-4647.13	632.17	1284.93	-1513.82	1346.24	540.35
103	6	10.65	18.52	±	2.28	854.42	663.21	4105.71	5977.37	1595.93	576.37
103	6	10.65	18.52	15	2.28	-4388.12	1080.39	1816.81	-1788.39	1107.89	397.75
103	6	10.65	18.52	±	2.28	-76.65	-1454.94	6638.76	12945.70	-3361.50	-1098.79
103	6	10.65	18.52	16	2.28	-4647.13	632.17	1284.93	-1513.82	1346.24	540.35
103	6	10.65	18.52	±	2.28	-6.40	-517.29	2531.98	4885.64	-1193.60	-388.37
103	6	10.65	18.52	17	2.28	-7176.74	752.13	1793.87	-2375.84	2748.68	1133.09
103	6	10.65	18.52	18	2.28	-7327.69	546.84	1532.10	-2206.04	2266.89	966.54
103	6	10.65	18.52	19	2.28	-7274.69	650.20	1849.33	-2595.07	2508.78	1048.75
103	6	10.65	18.52	20	2.28	-7229.74	648.77	1476.64	-1986.80	2506.78	1050.88
103	6	10.65	18.52	21	2.28	-5361.17	581.40	1358.04	-1774.99	2088.74	856.92
103	6	10.65	18.52	22	2.28	-5512.12	376.10	1096.27	-1605.19	1606.95	690.36
103	6	10.65	18.52	23	2.28	-5459.12	479.46	1413.50	-1994.22	1848.85	772.58

103	6	10.65	18.52	24	2.28	-5414.17	478.03	1040.81	-1385.95	1846.84	774.70
103	6	10.65	18.52	25	2.28	-4899.72	513.61	1188.83	-1540.43	1824.77	746.72
103	6	10.65	18.52	26	2.28	-5050.67	308.31	927.06	-1370.63	1342.98	580.16
103	6	10.65	18.52	27	2.28	-4997.67	411.68	1244.29	-1759.66	1584.88	662.38
103	6	10.65	18.52	28	2.28	-4952.72	410.25	871.60	-1151.39	1582.88	664.50
103	6	10.65	18.52	29	2.28	-4715.14	486.50	1121.14	-1446.60	1719.19	702.64
103	6	10.65	18.52	30	2.28	-4866.09	281.20	859.38	-1276.80	1237.40	536.09
103	6	10.65	18.52	31	2.28	-4813.09	384.56	1176.61	-1665.84	1479.29	618.30
103	6	10.65	18.52	32	2.28	-4768.14	383.13	803.91	-1057.57	1477.29	620.42
103	7	10.65	18.52	1	2.28	-4153.68	271.09	-516.38	-1335.81	1561.79	1232.54
103	7	10.65	18.52	±	2.28	976.48	7225.31	4268.88	4217.14	10777.50	6299.07
103	7	10.65	18.52	2	2.28	-3753.86	355.81	210.48	-1476.87	1181.75	793.37
103	7	10.65	18.52	±	2.28	353.78	2576.38	1577.75	1567.63	3843.69	2247.37
103	7	10.65	18.52	3	2.28	-4153.68	271.09	-516.38	-1335.81	1561.79	1232.54
103	7	10.65	18.52	±	2.28	380.18	7063.46	-1566.55	-2388.06	10490.80	6065.78
103	7	10.65	18.52	4	2.28	-3753.86	355.81	210.48	-1476.87	1181.75	793.37
103	7	10.65	18.52	±	2.28	130.00	2517.68	-611.72	-910.68	3738.63	2160.79
103	7	10.65	18.52	5	2.28	-4153.68	271.09	-516.38	-1335.81	1561.79	1232.54
103	7	10.65	18.52	±	2.28	1197.33	2413.07	10131.10	11283.00	3667.94	2243.54
103	7	10.65	18.52	6	2.28	-3753.86	355.81	210.48	-1476.87	1181.75	793.37
103	7	10.65	18.52	±	2.28	445.53	861.93	3794.03	4229.05	1312.45	805.53
103	7	10.65	18.52	7	2.28	-4153.68	271.09	-516.38	-1335.81	1561.79	1232.54
103	7	10.65	18.52	±	2.28	790.33	-1873.57	9320.36	10734.30	-2712.55	-1465.91
103	7	10.65	18.52	8	2.28	-3753.86	355.81	210.48	-1476.87	1181.75	793.37
103	7	10.65	18.52	±	2.28	300.40	-666.28	3504.22	4031.97	-962.25	-516.92
103	7	10.65	18.52	9	2.28	-2911.02	534.40	1742.73	-1774.23	380.61	-132.40
103	7	10.65	18.52	±	2.28	976.48	7225.31	4268.88	4217.14	10777.50	6299.07
103	7	10.65	18.52	10	2.28	-3310.84	449.68	1015.87	-1633.17	760.65	306.76
103	7	10.65	18.52	±	2.28	353.78	2576.38	1577.75	1567.63	3843.69	2247.37
103	7	10.65	18.52	11	2.28	-2911.02	534.40	1742.73	-1774.23	380.61	-132.40
103	7	10.65	18.52	±	2.28	380.18	7063.46	-1566.55	-2388.06	10490.80	6065.78
103	7	10.65	18.52	12	2.28	-3310.84	449.68	1015.87	-1633.17	760.65	306.76
103	7	10.65	18.52	±	2.28	130.00	2517.68	-611.72	-910.68	3738.63	2160.79
103	7	10.65	18.52	13	2.28	-2911.02	534.40	1742.73	-1774.23	380.61	-132.40
103	7	10.65	18.52	±	2.28	1197.33	2413.07	10131.10	11283.00	3667.94	2243.54
103	7	10.65	18.52	14	2.28	-3310.84	449.68	1015.87	-1633.17	760.65	306.76
103	7	10.65	18.52	±	2.28	445.53	861.93	3794.03	4229.05	1312.45	805.53
103	7	10.65	18.52	15	2.28	-2911.02	534.40	1742.73	-1774.23	380.61	-132.40
103	7	10.65	18.52	±	2.28	790.33	-1873.57	9320.36	10734.30	-2712.55	-1465.91
103	7	10.65	18.52	16	2.28	-3310.84	449.68	1015.87	-1633.17	760.65	306.76
103	7	10.65	18.52	±	2.28	300.40	-666.28	3504.22	4031.97	-962.25	-516.92
103	7	10.65	18.52	17	2.28	-5349.39	814.83	1046.59	-2643.24	1843.76	1046.79
103	7	10.65	18.52	18	2.28	-5376.87	550.33	1008.45	-2625.80	1451.39	819.15
103	7	10.65	18.52	19	2.28	-5385.47	683.08	1227.86	-2864.44	1648.65	932.02
103	7	10.65	18.52	20	2.28	-5340.79	682.08	827.19	-2404.61	1646.50	933.92
103	7	10.65	18.52	21	2.28	-4004.87	635.28	777.54	-1950.32	1410.18	801.29
103	7	10.65	18.52	22	2.28	-4032.36	370.77	739.40	-1932.87	1017.82	573.65
103	7	10.65	18.52	23	2.28	-4040.96	503.52	958.80	-2171.51	1215.08	686.52
103	7	10.65	18.52	24	2.28	-3996.27	502.52	558.13	-1711.68	1212.92	688.42
103	7	10.65	18.52	25	2.28	-3657.54	563.65	673.75	-1674.19	1236.75	703.14
103	7	10.65	18.52	26	2.28	-3685.03	299.14	635.62	-1656.75	844.39	475.51
103	7	10.65	18.52	27	2.28	-3693.63	431.90	855.02	-1895.39	1041.65	588.38
103	7	10.65	18.52	28	2.28	-3648.94	430.89	454.35	-1435.56	1039.49	590.27
103	7	10.65	18.52	29	2.28	-3518.61	535.00	632.24	-1563.74	1167.38	663.89
103	7	10.65	18.52	30	2.28	-3546.10	270.49	594.10	-1546.30	775.01	436.25
103	7	10.65	18.52	31	2.28	-3554.70	403.25	813.51	-1784.94	972.27	549.12
103	7	10.65	18.52	32	2.28	-3510.01	402.24	412.84	-1325.11	970.12	551.02
103	7	10.65	18.52	1	2.71	-4153.68	271.09	-516.38	-1335.81	1561.79	1232.54
103	7	10.65	18.52	±	2.71	976.48	7225.31	4268.88	4217.14	10777.50	6299.07
103	7	10.65	18.52	2	2.71	-3753.86	355.81	210.48	-1476.87	1181.75	793.37
103	7	10.65	18.52	±	2.71	353.78	2576.38	1577.75	1567.63	3843.69	2247.37
103	7	10.65	18.52	3	2.71	-4153.68	271.09	-516.38	-1335.81	1561.79	1232.54
103	7	10.65	18.52	±	2.71	380.18	7063.46	-1566.55	-2388.06	10490.80	6065.78
103	7	10.65	18.52	4	2.71	-3753.86	355.81	210.48	-1476.87	1181.75	793.37
103	7	10.65	18.52	±	2.71	130.00	2517.68	-611.72	-910.68	3738.63	2160.79
103	7	10.65	18.52	5	2.71	-4153.68	271.09	-516.38	-1335.81	1561.79	1232.54
103	7	10.65	18.52	±	2.71	1197.33	2413.07	10131.10	11283.00	3667.94	2243.54
103	7	10.65	18.52	6	2.71	-3753.86	355.81	210.48	-1476.87	1181.75	793.37
103	7	10.65	18.52	±	2.71	445.53	861.93	3794.03	4229.05	1312.45	805.53
103	7	10.65	18.52	7	2.71	-4153.68	271.09	-516.38	-1335.81	1561.79	1232.54
103	7	10.65	18.52	±	2.71	790.33	-1873.57	9320.36	10734.30	-2712.55	-1465.91
103	7	10.65	18.52	8	2.71	-3753.86	355.81	210.48	-1476.87	1181.75	793.37
103	7	10.65	18.52	±	2.71	300.40	-666.28	3504.22	4031.97	-962.25	-516.92
103	7	10.65	18.52	9	2.71	-2911.02	534.40	1742.73	-1774.23	380.61	-132.40
103	7	10.65	18.52	±	2.71	976.48	7225.31	4268.88	4217.14	10777.50	6299.07
103	7	10.65	18.52	10	2.71	-3310.84	449.68	1015.87	-1633.17	760.65	306.76
103	7	10.65	18.52	±	2.71	353.78	2576.38	1577.75	1567.63	3843.69	2247.37
103	7	10.65	18.52	11	2.71	-2911.02	534.40	1742.73	-1774.23	380.61	-132.40
103	7	10.65	18.52	±	2.71	380.18	7063.46	-1566.55	-2388.06	10490.80	6065.78

103	7	10.65	18.52	12	2.71	-3310.84	449.68	1015.87	-1633.17	760.65	306.76
103	7	10.65	18.52	±	2.71	130.00	2517.68	-611.72	-910.68	3738.63	2160.79
103	7	10.65	18.52	13	2.71	-2911.02	534.40	1742.73	-1774.23	380.61	-132.40
103	7	10.65	18.52	±	2.71	1197.33	2413.07	10131.10	11283.00	3667.94	2243.54
103	7	10.65	18.52	14	2.71	-3310.84	449.68	1015.87	-1633.17	760.65	306.76
103	7	10.65	18.52	±	2.71	445.53	861.93	3794.03	4229.05	1312.45	805.53
103	7	10.65	18.52	15	2.71	-2911.02	534.40	1742.73	-1774.23	380.61	-132.40
103	7	10.65	18.52	±	2.71	790.33	-1873.57	9320.36	10734.30	-2712.55	-1465.91
103	7	10.65	18.52	16	2.71	-3310.84	449.68	1015.87	-1633.17	760.65	306.76
103	7	10.65	18.52	±	2.71	300.40	-666.28	3504.22	4031.97	-962.25	-516.92
103	7	10.65	18.52	17	2.71	-5349.39	814.83	1046.59	-2643.24	1843.76	1046.79
103	7	10.65	18.52	18	2.71	-5376.87	550.33	1008.45	-2625.80	1451.39	819.15
103	7	10.65	18.52	19	2.71	-5385.47	683.08	1227.86	-2864.44	1648.65	932.02
103	7	10.65	18.52	20	2.71	-5340.79	682.08	827.19	-2404.61	1646.50	933.92
103	7	10.65	18.52	21	2.71	-4004.87	635.28	777.54	-1950.32	1410.18	801.29
103	7	10.65	18.52	22	2.71	-4032.36	370.77	739.40	-1932.87	1017.82	573.65
103	7	10.65	18.52	23	2.71	-4040.96	503.52	958.80	-2171.51	1215.08	686.52
103	7	10.65	18.52	24	2.71	-3996.27	502.52	558.13	-1711.68	1212.92	688.42
103	7	10.65	18.52	25	2.71	-3657.54	563.65	673.75	-1674.19	1236.75	703.14
103	7	10.65	18.52	26	2.71	-3685.03	299.14	635.62	-1656.75	844.39	475.51
103	7	10.65	18.52	27	2.71	-3693.63	431.90	855.02	-1895.39	1041.65	588.38
103	7	10.65	18.52	28	2.71	-3648.94	430.89	454.35	-1435.56	1039.49	590.27
103	7	10.65	18.52	29	2.71	-3518.61	535.00	632.24	-1563.74	1167.38	663.89
103	7	10.65	18.52	30	2.71	-3546.10	270.49	594.10	-1546.30	775.01	436.25
103	7	10.65	18.52	31	2.71	-3554.70	403.25	813.51	-1784.94	972.27	549.12
103	7	10.65	18.52	32	2.71	-3510.01	402.24	412.84	-1325.11	970.12	551.02
103	8	10.65	18.52	1	2.71	-2625.01	923.48	-395.40	-1525.42	1111.92	1062.30
103	8	10.65	18.52	±	2.71	1675.69	10771.70	4737.15	3115.71	7992.88	6153.79
103	8	10.65	18.52	2	2.71	-2208.48	699.55	291.11	-1386.96	747.41	613.96
103	8	10.65	18.52	±	2.71	600.97	3841.32	1748.04	1151.23	2850.71	2195.62
103	8	10.65	18.52	3	2.71	-2625.01	923.48	-395.40	-1525.42	1111.92	1062.30
103	8	10.65	18.52	±	2.71	1297.68	10506.30	-1465.82	-1112.97	7772.82	5919.70
103	8	10.65	18.52	4	2.71	-2208.48	699.55	291.11	-1386.96	747.41	613.96
103	8	10.65	18.52	±	2.71	459.10	3744.47	-579.33	-435.40	2769.89	2108.68
103	8	10.65	18.52	5	2.71	-2625.01	923.48	-395.40	-1525.42	1111.92	1062.30
103	8	10.65	18.52	±	2.71	1076.02	3634.06	10829.00	7348.21	2731.62	2201.18
103	8	10.65	18.52	6	2.71	-2208.48	699.55	291.11	-1386.96	747.41	613.96
103	8	10.65	18.52	±	2.71	395.46	1299.29	4054.26	2751.76	977.80	790.54
103	8	10.65	18.52	7	2.71	-2625.01	923.48	-395.40	-1525.42	1111.92	1062.30
103	8	10.65	18.52	±	2.71	184.01	-2749.35	9847.57	6747.39	-1998.09	-1420.86
103	8	10.65	18.52	8	2.71	-2208.48	699.55	291.11	-1386.96	747.41	613.96
103	8	10.65	18.52	±	2.71	77.44	-976.45	3703.65	2537.01	-708.38	-500.74
103	8	10.65	18.52	9	2.71	-1330.41	227.50	1738.29	-1095.07	-21.01	-331.15
103	8	10.65	18.52	±	2.71	1675.69	10771.70	4737.15	3115.71	7992.88	6153.79
103	8	10.65	18.52	10	2.71	-1746.94	451.43	1051.79	-1233.54	343.51	117.19
103	8	10.65	18.52	±	2.71	600.97	3841.32	1748.04	1151.23	2850.71	2195.62
103	8	10.65	18.52	11	2.71	-1330.41	227.50	1738.29	-1095.07	-21.01	-331.15
103	8	10.65	18.52	±	2.71	1297.68	10506.30	-1465.82	-1112.97	7772.82	5919.70
103	8	10.65	18.52	12	2.71	-1746.94	451.43	1051.79	-1233.54	343.51	117.19
103	8	10.65	18.52	±	2.71	459.10	3744.47	-579.33	-435.40	2769.89	2108.68
103	8	10.65	18.52	13	2.71	-1330.41	227.50	1738.29	-1095.07	-21.01	-331.15
103	8	10.65	18.52	±	2.71	1076.02	3634.06	10829.00	7348.21	2731.62	2201.18
103	8	10.65	18.52	14	2.71	-1746.94	451.43	1051.79	-1233.54	343.51	117.19
103	8	10.65	18.52	±	2.71	395.46	1299.29	4054.26	2751.76	977.80	790.54
103	8	10.65	18.52	15	2.71	-1330.41	227.50	1738.29	-1095.07	-21.01	-331.15
103	8	10.65	18.52	±	2.71	184.01	-2749.35	9847.57	6747.39	-1998.09	-1420.86
103	8	10.65	18.52	16	2.71	-1746.94	451.43	1051.79	-1233.54	343.51	117.19
103	8	10.65	18.52	±	2.71	77.44	-976.45	3703.65	2537.01	-708.38	-500.74
103	8	10.65	18.52	17	2.71	-3003.77	1172.87	1097.85	-2236.91	1070.71	730.95
103	8	10.65	18.52	18	2.71	-2950.86	779.92	1168.56	-2210.37	780.09	508.72
103	8	10.65	18.52	19	2.71	-2993.28	977.61	1344.88	-2372.25	926.36	618.77
103	8	10.65	18.52	20	2.71	-2961.35	975.18	921.53	-2075.03	924.44	620.89
103	8	10.65	18.52	21	2.71	-2260.38	915.91	800.26	-1651.64	827.18	567.87
103	8	10.65	18.52	22	2.71	-2207.48	522.96	870.97	-1625.11	536.55	345.64
103	8	10.65	18.52	23	2.71	-2249.90	720.65	1047.29	-1786.99	682.83	455.69
103	8	10.65	18.52	24	2.71	-2217.96	718.22	623.94	-1489.77	680.90	457.81
103	8	10.65	18.52	25	2.71	-2077.37	813.09	683.00	-1417.27	729.75	502.74
103	8	10.65	18.52	26	2.71	-2024.46	420.14	753.71	-1390.73	439.12	280.51
103	8	10.65	18.52	27	2.71	-2066.88	617.83	930.03	-1552.61	585.39	390.56
103	8	10.65	18.52	28	2.71	-2034.95	615.40	506.68	-1255.39	583.47	392.69
103	8	10.65	18.52	29	2.71	-2004.16	771.96	636.09	-1323.51	690.77	476.69
103	8	10.65	18.52	30	2.71	-1951.26	379.01	706.80	-1296.98	400.15	254.46
103	8	10.65	18.52	31	2.71	-1993.68	576.70	883.12	-1458.86	546.42	364.51
103	8	10.65	18.52	32	2.71	-1961.74	574.28	459.77	-1161.63	544.50	366.63
103	8	10.65	18.52	1	3.13	-2625.01	923.48	-395.40	-1525.42	1111.92	1062.30
103	8	10.65	18.52	±	3.13	1675.69	10771.70	4737.15	3115.71	7992.88	6153.79
103	8	10.65	18.52	2	3.13	-2208.48	699.55	291.11	-1386.96	747.41	613.96
103	8	10.65	18.52	±	3.13	600.97	3841.32	1748.04	1151.23	2850.71	2195.62
103	8	10.65	18.52	3	3.13	-2625.01	923.48	-395.40	-1525.42	1111.92	1062.30

103	8	10.65	18.52	±	3.13	1297.68	10506.30	-1465.82	-1112.97	7772.82	5919.70
103	8	10.65	18.52	4	3.13	-2208.48	699.55	291.11	-1386.96	747.41	613.96
103	8	10.65	18.52	±	3.13	459.10	3744.47	-579.33	-435.40	2769.89	2108.68
103	8	10.65	18.52	5	3.13	-2625.01	923.48	-395.40	-1525.42	1111.92	1062.30
103	8	10.65	18.52	±	3.13	1076.02	3634.06	10829.00	7348.21	2731.62	2201.18
103	8	10.65	18.52	6	3.13	-2208.48	699.55	291.11	-1386.96	747.41	613.96
103	8	10.65	18.52	±	3.13	395.46	1299.29	4054.26	2751.76	977.80	790.54
103	8	10.65	18.52	7	3.13	-2625.01	923.48	-395.40	-1525.42	1111.92	1062.30
103	8	10.65	18.52	±	3.13	184.01	-2749.35	9847.57	6747.39	-1998.09	-1420.86
103	8	10.65	18.52	8	3.13	-2208.48	699.55	291.11	-1386.96	747.41	613.96
103	8	10.65	18.52	±	3.13	77.44	-976.45	3703.65	2537.01	-708.38	-500.74
103	8	10.65	18.52	9	3.13	-1330.41	227.50	1738.29	-1095.07	-21.01	-331.15
103	8	10.65	18.52	±	3.13	1675.69	10771.70	4737.15	3115.71	7992.88	6153.79
103	8	10.65	18.52	10	3.13	-1746.94	451.43	1051.79	-1233.54	343.51	117.19
103	8	10.65	18.52	±	3.13	600.97	3841.32	1748.04	1151.23	2850.71	2195.62
103	8	10.65	18.52	11	3.13	-1330.41	227.50	1738.29	-1095.07	-21.01	-331.15
103	8	10.65	18.52	±	3.13	1297.68	10506.30	-1465.82	-1112.97	7772.82	5919.70
103	8	10.65	18.52	12	3.13	-1746.94	451.43	1051.79	-1233.54	343.51	117.19
103	8	10.65	18.52	±	3.13	459.10	3744.47	-579.33	-435.40	2769.89	2108.68
103	8	10.65	18.52	13	3.13	-1330.41	227.50	1738.29	-1095.07	-21.01	-331.15
103	8	10.65	18.52	±	3.13	1076.02	3634.06	10829.00	7348.21	2731.62	2201.18
103	8	10.65	18.52	14	3.13	-1746.94	451.43	1051.79	-1233.54	343.51	117.19
103	8	10.65	18.52	±	3.13	395.46	1299.29	4054.26	2751.76	977.80	790.54
103	8	10.65	18.52	15	3.13	-1330.41	227.50	1738.29	-1095.07	-21.01	-331.15
103	8	10.65	18.52	±	3.13	184.01	-2749.35	9847.57	6747.39	-1998.09	-1420.86
103	8	10.65	18.52	16	3.13	-1746.94	451.43	1051.79	-1233.54	343.51	117.19
103	8	10.65	18.52	±	3.13	77.44	-976.45	3703.65	2537.01	-708.38	-500.74
103	8	10.65	18.52	17	3.13	-3003.77	1172.87	1097.85	-2236.91	1070.71	730.95
103	8	10.65	18.52	18	3.13	-2950.86	779.92	1168.56	-2210.37	780.09	508.72
103	8	10.65	18.52	19	3.13	-2993.28	977.61	1344.88	-2372.25	926.36	618.77
103	8	10.65	18.52	20	3.13	-2961.35	975.18	921.53	-2075.03	924.44	620.89
103	8	10.65	18.52	21	3.13	-2260.38	915.91	800.26	-1651.64	827.18	567.87
103	8	10.65	18.52	22	3.13	-2207.48	522.96	870.97	-1625.11	536.55	345.64
103	8	10.65	18.52	23	3.13	-2249.90	720.65	1047.29	-1786.99	682.83	455.69
103	8	10.65	18.52	24	3.13	-2217.96	718.22	623.94	-1489.77	680.90	457.81
103	8	10.65	18.52	25	3.13	-2077.37	813.09	683.00	-1417.27	729.75	502.74
103	8	10.65	18.52	26	3.13	-2024.46	420.14	753.71	-1390.73	439.12	280.51
103	8	10.65	18.52	27	3.13	-2066.88	617.83	930.03	-1552.61	585.39	390.56
103	8	10.65	18.52	28	3.13	-2034.95	615.40	506.68	-1255.39	583.47	392.69
103	8	10.65	18.52	29	3.13	-2004.16	771.96	636.09	-1323.51	690.77	476.69
103	8	10.65	18.52	30	3.13	-1951.26	379.01	706.80	-1296.98	400.15	254.46
103	8	10.65	18.52	31	3.13	-1993.68	576.70	883.12	-1458.86	546.42	364.51
103	8	10.65	18.52	32	3.13	-1961.74	574.28	459.77	-1161.63	544.50	366.63
103	9	10.65	18.52	1	3.13	-852.26	1492.94	108.89	-693.19	386.35	558.61
103	9	10.65	18.52	±	3.13	1709.72	14146.50	5221.99	2539.54	3186.82	3783.55
103	9	10.65	18.52	2	3.13	-602.25	862.34	574.56	-462.40	214.59	428.65
103	9	10.65	18.52	±	3.13	610.74	5045.52	1924.05	919.17	1136.66	1349.80
103	9	10.65	18.52	3	3.13	-852.26	1492.94	108.89	-693.19	386.35	558.61
103	9	10.65	18.52	±	3.13	1577.74	13750.30	-1327.80	1069.89	3094.80	3649.15
103	9	10.65	18.52	4	3.13	-602.25	862.34	574.56	-462.40	214.59	428.65
103	9	10.65	18.52	±	3.13	561.28	4899.89	-533.46	367.75	1102.78	1300.01
103	9	10.65	18.52	5	3.13	-852.26	1492.94	108.89	-693.19	386.35	558.61
103	9	10.65	18.52	±	3.13	713.07	4844.91	11500.40	2990.84	1095.61	1338.92
103	9	10.65	18.52	6	3.13	-602.25	862.34	574.56	-462.40	214.59	428.65
103	9	10.65	18.52	±	3.13	258.23	1734.53	4304.43	1112.08	392.38	480.45
103	9	10.65	18.52	7	3.13	-852.26	1492.94	108.89	-693.19	386.35	558.61
103	9	10.65	18.52	±	3.13	-273.17	-3524.11	10332.20	1908.01	-788.88	-890.89
103	9	10.65	18.52	8	3.13	-602.25	862.34	574.56	-462.40	214.59	428.65
103	9	10.65	18.52	±	3.13	-93.37	-1249.09	3887.26	726.00	-279.46	-314.50
103	9	10.65	18.52	9	3.13	-75.23	-467.00	1556.22	24.09	-147.49	154.71
103	9	10.65	18.52	±	3.13	1709.72	14146.50	5221.99	2539.54	3186.82	3783.55
103	9	10.65	18.52	10	3.13	-325.23	163.60	1090.55	-206.69	24.27	284.66
103	9	10.65	18.52	±	3.13	610.74	5045.52	1924.05	919.17	1136.66	1349.80
103	9	10.65	18.52	11	3.13	-75.23	-467.00	1556.22	24.09	-147.49	154.71
103	9	10.65	18.52	±	3.13	1577.74	13750.30	-1327.80	1069.89	3094.80	3649.15
103	9	10.65	18.52	12	3.13	-325.23	163.60	1090.55	-206.69	24.27	284.66
103	9	10.65	18.52	±	3.13	561.28	4899.89	-533.46	367.75	1102.78	1300.01
103	9	10.65	18.52	13	3.13	-75.23	-467.00	1556.22	24.09	-147.49	154.71
103	9	10.65	18.52	±	3.13	713.07	4844.91	11500.40	2990.84	1095.61	1338.92
103	9	10.65	18.52	14	3.13	-325.23	163.60	1090.55	-206.69	24.27	284.66
103	9	10.65	18.52	±	3.13	258.23	1734.53	4304.43	1112.08	392.38	480.45
103	9	10.65	18.52	15	3.13	-75.23	-467.00	1556.22	24.09	-147.49	154.71
103	9	10.65	18.52	±	3.13	-273.17	-3524.11	10332.20	1908.01	-788.88	-890.89
103	9	10.65	18.52	16	3.13	-325.23	163.60	1090.55	-206.69	24.27	284.66
103	9	10.65	18.52	±	3.13	-93.37	-1249.09	3887.26	726.00	-279.46	-314.50
103	9	10.65	18.52	17	3.13	-690.38	1127.39	1367.84	-599.48	260.46	673.37
103	9	10.65	18.52	18	3.13	-630.63	613.08	1451.55	-536.70	144.74	536.15
103	9	10.65	18.52	19	3.13	-667.04	871.50	1634.42	-621.49	202.95	603.60
103	9	10.65	18.52	20	3.13	-653.97	868.96	1184.97	-514.69	202.25	605.92

103	9	10.65	18.52	21	3.13	-529.97	898.38	997.15	-449.92	207.15	514.25
103	9	10.65	18.52	22	3.13	-470.22	384.06	1080.86	-387.14	91.42	377.03
103	9	10.65	18.52	23	3.13	-506.62	642.50	1263.73	-471.93	149.64	444.48
103	9	10.65	18.52	24	3.13	-493.56	639.95	814.28	-365.13	148.93	446.81
103	9	10.65	18.52	25	3.13	-504.00	806.77	849.69	-389.93	185.82	450.69
103	9	10.65	18.52	26	3.13	-444.25	292.45	933.39	-327.15	70.10	313.47
103	9	10.65	18.52	27	3.13	-480.66	550.88	1116.26	-411.94	128.31	380.92
103	9	10.65	18.52	28	3.13	-467.60	548.34	666.81	-305.14	127.61	383.25
103	9	10.65	18.52	29	3.13	-493.62	770.12	790.70	-365.94	177.29	425.27
103	9	10.65	18.52	30	3.13	-433.87	255.81	874.41	-303.16	61.57	288.05
103	9	10.65	18.52	31	3.13	-470.27	514.24	1057.28	-387.95	119.78	355.49
103	9	10.65	18.52	32	3.13	-457.21	511.69	607.83	-281.15	119.08	357.82
103	9	10.65	18.52	1	3.56	-852.26	1492.94	108.89	-693.19	386.35	558.61
103	9	10.65	18.52	±	3.56	1709.72	14146.50	5221.99	2539.54	3186.82	3783.55
103	9	10.65	18.52	2	3.56	-602.25	862.34	574.56	-462.40	214.59	428.65
103	9	10.65	18.52	±	3.56	610.74	5045.52	1924.05	919.17	1136.66	1349.80
103	9	10.65	18.52	3	3.56	-852.26	1492.94	108.89	-693.19	386.35	558.61
103	9	10.65	18.52	±	3.56	1577.74	13750.30	-1327.80	1069.89	3094.80	3649.15
103	9	10.65	18.52	4	3.56	-602.25	862.34	574.56	-462.40	214.59	428.65
103	9	10.65	18.52	±	3.56	561.28	4899.89	-533.46	367.75	1102.78	1300.01
103	9	10.65	18.52	5	3.56	-852.26	1492.94	108.89	-693.19	386.35	558.61
103	9	10.65	18.52	±	3.56	713.07	4844.91	11500.40	2990.84	1095.61	1338.92
103	9	10.65	18.52	6	3.56	-602.25	862.34	574.56	-462.40	214.59	428.65
103	9	10.65	18.52	±	3.56	258.23	1734.53	4304.43	1112.08	392.38	480.45
103	9	10.65	18.52	7	3.56	-852.26	1492.94	108.89	-693.19	386.35	558.61
103	9	10.65	18.52	±	3.56	-273.17	-3524.11	10332.20	1908.01	-788.88	-890.89
103	9	10.65	18.52	8	3.56	-602.25	862.34	574.56	-462.40	214.59	428.65
103	9	10.65	18.52	±	3.56	-93.37	-1249.09	3887.26	726.00	-279.46	-314.50
103	9	10.65	18.52	9	3.56	-75.23	-467.00	1556.22	24.09	-147.49	154.71
103	9	10.65	18.52	±	3.56	1709.72	14146.50	5221.99	2539.54	3186.82	3783.55
103	9	10.65	18.52	10	3.56	-325.23	163.60	1090.55	-206.69	24.27	284.66
103	9	10.65	18.52	±	3.56	610.74	5045.52	1924.05	919.17	1136.66	1349.80
103	9	10.65	18.52	11	3.56	-75.23	-467.00	1556.22	24.09	-147.49	154.71
103	9	10.65	18.52	±	3.56	1577.74	13750.30	-1327.80	1069.89	3094.80	3649.15
103	9	10.65	18.52	12	3.56	-325.23	163.60	1090.55	-206.69	24.27	284.66
103	9	10.65	18.52	±	3.56	561.28	4899.89	-533.46	367.75	1102.78	1300.01
103	9	10.65	18.52	13	3.56	-75.23	-467.00	1556.22	24.09	-147.49	154.71
103	9	10.65	18.52	±	3.56	713.07	4844.91	11500.40	2990.84	1095.61	1338.92
103	9	10.65	18.52	14	3.56	-325.23	163.60	1090.55	-206.69	24.27	284.66
103	9	10.65	18.52	±	3.56	258.23	1734.53	4304.43	1112.08	392.38	480.45
103	9	10.65	18.52	15	3.56	-75.23	-467.00	1556.22	24.09	-147.49	154.71
103	9	10.65	18.52	±	3.56	-273.17	-3524.11	10332.20	1908.01	-788.88	-890.89
103	9	10.65	18.52	16	3.56	-325.23	163.60	1090.55	-206.69	24.27	284.66
103	9	10.65	18.52	±	3.56	-93.37	-1249.09	3887.26	726.00	-279.46	-314.50
103	9	10.65	18.52	17	3.56	-690.38	1127.39	1367.84	-599.48	260.46	673.37
103	9	10.65	18.52	18	3.56	-630.63	613.08	1451.55	-536.70	144.74	536.15
103	9	10.65	18.52	19	3.56	-667.04	871.50	1634.42	-621.49	202.95	603.60
103	9	10.65	18.52	20	3.56	-653.97	868.96	1184.97	-514.69	202.25	605.92
103	9	10.65	18.52	21	3.56	-529.97	898.38	997.15	-449.92	207.15	514.25
103	9	10.65	18.52	22	3.56	-470.22	384.06	1080.86	-387.14	91.42	377.03
103	9	10.65	18.52	23	3.56	-506.62	642.50	1263.73	-471.93	149.64	444.48
103	9	10.65	18.52	24	3.56	-493.56	639.95	814.28	-365.13	148.93	446.81
103	9	10.65	18.52	25	3.56	-504.00	806.77	849.69	-389.93	185.82	450.69
103	9	10.65	18.52	26	3.56	-444.25	292.45	933.39	-327.15	70.10	313.47
103	9	10.65	18.52	27	3.56	-480.66	550.88	1116.26	-411.94	128.31	380.92
103	9	10.65	18.52	28	3.56	-467.60	548.34	666.81	-305.14	127.61	383.25
103	9	10.65	18.52	29	3.56	-493.62	770.12	790.70	-365.94	177.29	425.27
103	9	10.65	18.52	30	3.56	-433.87	255.81	874.41	-303.16	61.57	288.05
103	9	10.65	18.52	31	3.56	-470.27	514.24	1057.28	-387.95	119.78	355.49
103	9	10.65	18.52	32	3.56	-457.21	511.69	607.83	-281.15	119.08	357.82
106	1	10.00	20.02	1	-1.25	-2070.05	-831.26	-288.02	115.13	438.75	464.98
106	1	10.00	20.02	±	-1.25	30366.20	6992.73	23463.30	971.93	15070.80	9587.99
106	1	10.00	20.02	2	-1.25	-1948.00	-423.30	-160.73	79.12	502.90	401.48
106	1	10.00	20.02	±	-1.25	10858.60	2495.72	8376.63	347.84	5380.51	3418.44
106	1	10.00	20.02	3	-1.25	-2070.05	-831.26	-288.02	115.13	438.75	464.98
106	1	10.00	20.02	±	-1.25	26777.50	6654.98	22076.80	827.19	14170.40	9397.33
106	1	10.00	20.02	4	-1.25	-1948.00	-423.30	-160.73	79.12	502.90	401.48
106	1	10.00	20.02	±	-1.25	9513.56	2369.80	7858.80	293.56	5044.21	3349.97
106	1	10.00	20.02	5	-1.25	-2070.05	-831.26	-288.02	115.13	438.75	464.98
106	1	10.00	20.02	±	-1.25	14552.70	2610.08	9141.81	511.10	5886.80	3165.56
106	1	10.00	20.02	6	-1.25	-1948.00	-423.30	-160.73	79.12	502.90	401.48
106	1	10.00	20.02	±	-1.25	5297.59	939.71	3298.36	186.66	2124.22	1129.37
106	1	10.00	20.02	7	-1.25	-2070.05	-831.26	-288.02	115.13	438.75	464.98
106	1	10.00	20.02	±	-1.25	-2590.42	-1484.24	-4520.24	-28.63	-2885.56	-2530.03
106	1	10.00	20.02	8	-1.25	-1948.00	-423.30	-160.73	79.12	502.90	401.48
106	1	10.00	20.02	±	-1.25	-814.07	-519.95	-1572.27	-5.76	-1003.20	-901.15
106	1	10.00	20.02	9	-1.25	-1690.71	436.72	107.60	3.22	638.11	267.62
106	1	10.00	20.02	±	-1.25	30366.20	6992.73	23463.30	971.93	15070.80	9587.99
106	1	10.00	20.02	10	-1.25	-1812.76	28.75	-19.69	39.23	573.97	331.12

106	1	10.00	20.02	±	-1.25	10858.60	2495.72	8376.63	347.84	5380.51	3418.44
106	1	10.00	20.02	11	-1.25	-1690.71	436.72	107.60	3.22	638.11	267.62
106	1	10.00	20.02	±	-1.25	26777.50	6654.98	22076.80	827.19	14170.40	9397.33
106	1	10.00	20.02	12	-1.25	-1812.76	28.75	-19.69	39.23	573.97	331.12
106	1	10.00	20.02	±	-1.25	9513.56	2369.80	7858.80	293.56	5044.21	3349.97
106	1	10.00	20.02	13	-1.25	-1690.71	436.72	107.60	3.22	638.11	267.62
106	1	10.00	20.02	±	-1.25	14552.70	2610.08	9141.81	511.10	5886.80	3165.56
106	1	10.00	20.02	14	-1.25	-1812.76	28.75	-19.69	39.23	573.97	331.12
106	1	10.00	20.02	±	-1.25	5297.59	939.71	3298.36	186.66	2124.22	1129.37
106	1	10.00	20.02	15	-1.25	-1690.71	436.72	107.60	3.22	638.11	267.62
106	1	10.00	20.02	±	-1.25	-2590.42	-1484.24	-4520.24	-28.63	-2885.56	-2530.03
106	1	10.00	20.02	16	-1.25	-1812.76	28.75	-19.69	39.23	573.97	331.12
106	1	10.00	20.02	±	-1.25	-814.07	-519.95	-1572.27	-5.76	-1003.20	-901.15
106	1	10.00	20.02	17	-1.25	-2245.63	-175.11	-665.09	126.61	1097.68	780.49
106	1	10.00	20.02	18	-1.25	-3309.70	-429.19	179.00	93.16	558.96	429.97
106	1	10.00	20.02	19	-1.25	-2885.56	-311.04	-210.78	105.58	866.27	613.42
106	1	10.00	20.02	20	-1.25	-2669.77	-293.25	-275.31	114.19	790.37	597.04
106	1	10.00	20.02	21	-1.25	-1558.45	-99.05	-591.57	96.69	888.74	622.94
106	1	10.00	20.02	22	-1.25	-2622.53	-353.13	252.52	63.23	350.02	272.42
106	1	10.00	20.02	23	-1.25	-2198.38	-234.98	-137.26	75.65	657.33	455.87
106	1	10.00	20.02	24	-1.25	-1982.60	-217.19	-201.79	84.27	581.43	439.49
106	1	10.00	20.02	25	-1.25	-1408.38	-78.47	-534.92	81.84	830.92	564.81
106	1	10.00	20.02	26	-1.25	-2472.45	-332.54	309.17	48.39	292.20	214.29
106	1	10.00	20.02	27	-1.25	-2048.31	-214.40	-80.61	60.81	599.51	397.74
106	1	10.00	20.02	28	-1.25	-1832.52	-196.61	-145.14	69.42	523.61	381.36
106	1	10.00	20.02	29	-1.25	-1348.35	-70.23	-512.26	75.90	807.79	541.56
106	1	10.00	20.02	30	-1.25	-2412.42	-324.31	331.83	42.45	269.07	191.04
106	1	10.00	20.02	31	-1.25	-1988.28	-206.17	-57.95	54.87	576.38	374.49
106	1	10.00	20.02	32	-1.25	-1772.49	-188.38	-122.48	63.48	500.49	358.11
106	1	10.00	20.02	1	-0.25	-2070.05	-831.26	-288.02	115.13	438.75	464.98
106	1	10.00	20.02	±	-0.25	30366.20	6992.73	23463.30	971.93	15070.80	9587.99
106	1	10.00	20.02	2	-0.25	-1948.00	-423.30	-160.73	79.12	502.90	401.48
106	1	10.00	20.02	±	-0.25	10858.60	2495.72	8376.63	347.84	5380.51	3418.44
106	1	10.00	20.02	3	-0.25	-2070.05	-831.26	-288.02	115.13	438.75	464.98
106	1	10.00	20.02	±	-0.25	26777.50	6654.98	22076.80	827.19	14170.40	9397.33
106	1	10.00	20.02	4	-0.25	-1948.00	-423.30	-160.73	79.12	502.90	401.48
106	1	10.00	20.02	±	-0.25	9513.56	2369.80	7858.80	293.56	5044.21	3349.97
106	1	10.00	20.02	5	-0.25	-2070.05	-831.26	-288.02	115.13	438.75	464.98
106	1	10.00	20.02	±	-0.25	14552.70	2610.08	9141.81	511.10	5886.80	3165.56
106	1	10.00	20.02	6	-0.25	-1948.00	-423.30	-160.73	79.12	502.90	401.48
106	1	10.00	20.02	±	-0.25	5297.59	939.71	3298.36	186.66	2124.22	1129.37
106	1	10.00	20.02	7	-0.25	-2070.05	-831.26	-288.02	115.13	438.75	464.98
106	1	10.00	20.02	±	-0.25	-2590.42	-1484.24	-4520.24	-28.63	-2885.56	-2530.03
106	1	10.00	20.02	8	-0.25	-1948.00	-423.30	-160.73	79.12	502.90	401.48
106	1	10.00	20.02	±	-0.25	-814.07	-519.95	-1572.27	-5.76	-1003.20	-901.15
106	1	10.00	20.02	9	-0.25	-1690.71	436.72	107.60	3.22	638.11	267.62
106	1	10.00	20.02	±	-0.25	30366.20	6992.73	23463.30	971.93	15070.80	9587.99
106	1	10.00	20.02	10	-0.25	-1812.76	28.75	-19.69	39.23	573.97	331.12
106	1	10.00	20.02	±	-0.25	10858.60	2495.72	8376.63	347.84	5380.51	3418.44
106	1	10.00	20.02	11	-0.25	-1690.71	436.72	107.60	3.22	638.11	267.62
106	1	10.00	20.02	±	-0.25	26777.50	6654.98	22076.80	827.19	14170.40	9397.33
106	1	10.00	20.02	12	-0.25	-1812.76	28.75	-19.69	39.23	573.97	331.12
106	1	10.00	20.02	±	-0.25	9513.56	2369.80	7858.80	293.56	5044.21	3349.97
106	1	10.00	20.02	13	-0.25	-1690.71	436.72	107.60	3.22	638.11	267.62
106	1	10.00	20.02	±	-0.25	14552.70	2610.08	9141.81	511.10	5886.80	3165.56
106	1	10.00	20.02	14	-0.25	-1812.76	28.75	-19.69	39.23	573.97	331.12
106	1	10.00	20.02	±	-0.25	5297.59	939.71	3298.36	186.66	2124.22	1129.37
106	1	10.00	20.02	15	-0.25	-1690.71	436.72	107.60	3.22	638.11	267.62
106	1	10.00	20.02	±	-0.25	-2590.42	-1484.24	-4520.24	-28.63	-2885.56	-2530.03
106	1	10.00	20.02	16	-0.25	-1812.76	28.75	-19.69	39.23	573.97	331.12
106	1	10.00	20.02	±	-0.25	-814.07	-519.95	-1572.27	-5.76	-1003.20	-901.15
106	1	10.00	20.02	17	-0.25	-2245.63	-175.11	-665.09	126.61	1097.68	780.49
106	1	10.00	20.02	18	-0.25	-3309.70	-429.19	179.00	93.16	558.96	429.97
106	1	10.00	20.02	19	-0.25	-2885.56	-311.04	-210.78	105.58	866.27	613.42
106	1	10.00	20.02	20	-0.25	-2669.77	-293.25	-275.31	114.19	790.37	597.04
106	1	10.00	20.02	21	-0.25	-1558.45	-99.05	-591.57	96.69	888.74	622.94
106	1	10.00	20.02	22	-0.25	-2622.53	-353.13	252.52	63.23	350.02	272.42
106	1	10.00	20.02	23	-0.25	-2198.38	-234.98	-137.26	75.65	657.33	455.87
106	1	10.00	20.02	24	-0.25	-1982.60	-217.19	-201.79	84.27	581.43	439.49
106	1	10.00	20.02	25	-0.25	-1408.38	-78.47	-534.92	81.84	830.92	564.81
106	1	10.00	20.02	26	-0.25	-2472.45	-332.54	309.17	48.39	292.20	214.29
106	1	10.00	20.02	27	-0.25	-2048.31	-214.40	-80.61	60.81	599.51	397.74
106	1	10.00	20.02	28	-0.25	-1832.52	-196.61	-145.14	69.42	523.61	381.36
106	1	10.00	20.02	29	-0.25	-1348.35	-70.23	-512.26	75.90	807.79	541.56
106	1	10.00	20.02	30	-0.25	-2412.42	-324.31	331.83	42.45	269.08	191.04
106	1	10.00	20.02	31	-0.25	-1988.28	-206.17	-57.95	54.87	576.38	374.49
106	1	10.00	20.02	32	-0.25	-1772.49	-188.38	-122.48	63.48	500.49	358.11

Criteri di progetto utilizzati

Sezioni generiche

Generali	
Stampe	
Tipo di relazione	Estesa

Specifici	3
Materiali	
-Considera come elemento esistente	No
-Calcestruzzo	
-Livello di conoscenza	LC2
-Fattore di confidenza	1.20
-Tipo di calcestruzzo	C28/35
-Rck calcestruzzo	350.00
-Modulo elastico <daN/cmq>	325881.00
-Resistenza caratteristica cilindrica (Fck)	290.50
-Resistenza caratteristica a trazione (Fctk)	19.84
-Resistenza media (Fcm) <daN/cmq>	370.50
-Resistenza media a trazione (Fctm) <daN/cmq>	28.35
-σ amm. calcestruzzo <daN/cmq>	110.00
-τc0 <daN/cmq>	6.70
-τc1 <daN/cmq>	19.70
-Riduci Fcd per tutte le verifiche secondo il D.M. 08	Si
-γ_c per stati limite ultimi	
-Automatico	x
-Pari a	
-Acciaio	
-Livello di conoscenza	LC2
-Fattore di confidenza	1.20
-Tipo di acciaio	B450C
-Modulo elastico <daN/cmq>	2060000.00
-Tensione caratteristica di snervamento (Fyk) <daN/cmq>	4500.00
-Tensione media di snervamento (Fym) <daN/cmq>	4300.00
-Sigma amm. acciaio <daN/cmq>	2600.00
-Sigma amm. reti e tralicci <daN/cmq>	2600.00
-Allungamento per verifiche di duttilità (Agt) <%>	4.00
-γ_s per stati limite ultimi	
-Automatico	x
-Pari a	
-Coeff. di omogeneizzazione	15.00
Parametri per analisi pushover	
Numero fibre	200.00
Fattore di confinamento nucleo interno	1.00
Fattore di incrudimento acciaio <%>	0.10
Posizione barre e normativa	
Copriferro reale al bordo staffa <cm>	2.50
Diametro staffa teorica <mm>	8.00
Distanza fra ferri su più strati <cm>	1.00
Verifica con barre in posizione teorica	Si
-Copriferro <cm>	3.00
Normativa di riferimento	
-Relativa alle travi	
-Relativa ai pilastri	
-Relativa solo al controllo sulle tensioni	x
Verifiche secondo Circ. 65 del 10/04/97	No
Verifiche e sollecitazioni	
Passo di verifica <m>	0.50
Integrare lo scorrimento lungo il tratto	Si
-Lunghezza del tratto <m>	1.00
Verifiche a pressoflessione	Si
Verifiche a flessione/pressoflessione retta	No
-Considera My	
-Considera Mz	
Verifiche di stabilità in direzione Z locale	No
-Coeff. Ωb	
Integrare lo scorrimento lungo il tratto	No
-Coeff. β	
Tipo verifica di stabilità	
-Per N*Ω-M e per N-c*M (standard)	Si
-Per N*Ω-c*M (doppia)	No
-Per N*Ω (sforzo normale e momento nullo)	No
-Per c*M (momento e sforzo normale nullo)	No

Verifiche a taglio	
Modalità di calcolo Vrdu	
-Considera Vrdu minimo	x
-Considera Vrdu calcolato in corrispondenza di bw minimo	
-Considera Vrdu in corrispondenza di bw medio	
-Considera Vrdu in corrispondenza di bw massimo	
-Considera sempre Af Staffe non proiettata in direzione del taglio	No
-Verifica a taglio con traliccio ad inclinazione variabile	Si
-Limita ctg θ a	2.50
-Verifiche a taglio per elementi esistenti come per elementi nuovi	Si
Dati per progettazione agli stati limite	
Gruppo di esigenza	
-Ambiente poco aggressivo	x
-Ambiente moderatamente aggressivo	
-Ambiente molto aggressivo	
Usa dominio N-M per flessioni rette	No
-Ricerca della sicurezza con sforzo normale costante	
-Ricerca della sicurezza con eccentricità costante	
Controllo rapporto X/D	No
Barre da considerare tese per verifiche a taglio	
-Solo le barre con deformazione percentuale rispetto	
alla barra più tesa non inferiore al <%>	30.00
-Tutte le barre in trazione	
Dati per verifiche di resistenza al fuoco	
-Tempo di verifica (REI) <minuti>	120.00
Dimensione MESH <cm>	2.00
-Passo di calcolo <secondi>	10.00
-Temperatura ambiente <C°>	20.00
-Coeff. di convezione a temperatura ambiente <W/mq K>	9.00
-Tipo di aggregati	SILICEI
Massa volumica a secco <daN/mc>	2300.00
-Umidità iniziale <%>	3.00
-Fattore di interpolazione conducibilità	0.50

Solette/Platee

Generali	
Parametri di progetto	
Controllo resistenza a taglio allo S.L.U.	No
Calcolo armature con metodo di Wood	No
Accoppia pilastri per calcolo punzonamento	Si
Verifiche a taglio per elementi esistenti come per elementi nuovi	Si
-Massima distanza come un moltiplicatore dello spessore	1.50
Parametri di disegno	
Disposizione disegno	2A
Particolari nel disegno principale	
-Eliminare le quotature	No
-Eliminare le campiture	No
-Eliminare la numerazione dei pilastri	No
-Eliminare la numerazione delle travi e dei muri	No
Particolari nei disegni secondari	
-Eliminare le quotature	Si
-Eliminare le campiture	Si
-Eliminare la numerazione dei pilastri	Si
-Eliminare la numerazione delle travi e dei muri	Si
Disegno armatura diffusa	No
Posizione particolari punzonamento	In automatico
Copriferro per calcolo lunghezza ferri <cm>	3.50
Risvoltare al bordo i ferri	
-Inferiori	Si
-Superiori	Si
Lunghezza risvolti ferri al bordo	Pari all'altezza meno due volte il copriferro
Disegno particolare ferri al bordo	Si
Scala disegno particolare ferri al bordo	20.00
Calcolo lunghezza ferri semplificato	No
Stampe	
Tipo di relazione	Sintetica

Specifici	**1**
Materiali	
-Considera come elemento esistente	No

-Calcestruzzo	
-Livello di conoscenza	LC2
-Fattore di confidenza	1.20
-Tipo di calcestruzzo	C28/35
-Rck calcestruzzo	350.00
-Modulo elastico <daN/cmq>	325881.00
-Resistenza caratteristica cilindrica (Fck)	290.50
-Resistenza caratteristica a trazione (Fctk)	19.84
-Resistenza media (Fcm) <daN/cmq>	370.50
-Resistenza media a trazione (Fctm) <daN/cmq>	28.35
-σ amm. calcestruzzo <daN/cmq>	110.00
-τc0 <daN/cmq>	6.70
-τc1 <daN/cmq>	19.70
-Riduci Fcd per tutte le verifiche secondo il D.M. 08	Si
-γ_c per stati limite ultimi	
-Automatico	x
-Pari a	
-Acciaio	
-Livello di conoscenza	LC2
-Fattore di confidenza	1.20
-Tipo di acciaio	B450C
-Modulo elastico <daN/cmq>	2060000.00
-Tensione caratteristica di snervamento (Fyk) <daN/cmq>	4500.00
-Tensione media di snervamento (Fym) <daN/cmq>	4500.00
-Sigma amm. acciaio <daN/cmq>	2600.00
-Sigma amm. reti e tralicci <daN/cmq>	2600.00
-Allungamento per verifiche di duttilità (Agt) <%>	4.00
-γ_s per stati limite ultimi	
-Automatico	x
-Pari a	
-Coeff. di omogeneizzazione	15.00
Armatura a flessione	
Angolo d'armatura <grad>	0.00
Copriferro teorico superiore <cm>	3.00
Copriferro teorico inferiore <cm>	3.00
Tipo di progetto in doppia armatura	
-Tensione pari ai valori amm.	
-Tensione pari ai valori amm. con AfComp/AfTesa minore o pari a	1.00
-Tensione pari ai valori amm. con AfComp/AfTesa pari a	
Min. percentuale di regolamento	
-Platee di fondazione su suolo elastico	Si
-Solette di elevazione	Si
Controlla min. armatura di ripartizione	No
Elenco diametri utilizzabili 1 <mm>	10
Elenco diametri utilizzabili 2 <mm>	12
Elenco diametri utilizzabili 3 <mm>	14
Elenco diametri utilizzabili 4 <mm>	
Elenco diametri utilizzabili 5 <mm>	
Elenco diametri utilizzabili 6 <mm>	
Elenco diametri utilizzabili 7 <mm>	
Passi utilizzabili	
-Minimo <cm>	10.00
-Massimo <cm>	30.00
-Incremento <cm>	5.00
Uniformizzazione interassi armatura	No
-Sempre	
-Nella stessa direzione	
-Nella stessa posizione	
Uniformizzazione diametri armatura	No
-Sempre	
-Nella stessa direzione	
-Nella stessa posizione	
Tipo di ottimizzazione armatura a flessione	
-Minimizza il numero dei ferri	
-Minimizza il peso complessivo dei ferri	x
Verifiche a taglio	
-Escludi punti di verifica sotto piramidi di punzonamento	No
-Escludi punti di verifica sotto muri/bidimensionali	No
Ancoraggi	
Fattore di riduzione per ancoraggio ferri	1.00
Lunghezza ancoraggi armature	
-Calcolata in funzione della Sigmaf	x
-Imposta come multiplo del diametro	
Lunghezza ancoraggi ferri punzonamento	
-Calcolata in funzione della Sigmaf	x
-Imposta come multiplo del diametro	

Armatura a punzonamento	
Fattore di riduzione altezza soletta/platea	0.90
Modifica altezza soletta/platea	Si
Allargamento piastra pilastri in acciaio <cm>	5.00
Distanza dal bordo libero	
-Distanza come un moltiplicatore dello spessore	1.00
-Distanza imposta a <cm>	
Moltiplicatore altezza utile per valutare perimetro efficace (D.M. 08)	2.00
Tolleranza di posizionamento barre	
-Distanza come un moltiplicatore dello spessore	0.10
-Distanza imposta a <cm>	
Elenco diametri utilizzabili 1 <mm>	12
Elenco diametri utilizzabili 2 <mm>	14
Elenco diametri utilizzabili 3 <mm>	16
Elenco diametri utilizzabili 4 <mm>	18
Elenco diametri utilizzabili 5 <mm>	20
Elenco diametri utilizzabili 6 <mm>	
Elenco diametri utilizzabili 7 <mm>	
Passi utilizzabili	
-Minimo <cm>	10.00
-Massimo <cm>	20.00
-Incremento <cm>	2.00
Tipo di ottimizzazione armatura a punzonamento	
-Minimizza il numero dei ferri	x
-Minimizza il peso complessivo dei ferri	
Dati per progettazione agli stati limite	
Gruppo di esigenza	
-Ambiente poco aggressivo	x
-Ambiente moderatamente aggressivo	
-Ambiente molto aggressivo	
Usa dominio N-M per flessioni rette	No
-Ricerca della sicurezza con sforzo normale costante	
-Ricerca della sicurezza con eccentricità costante	
Controllo rapporto X/D	No
Barre da considerare tese per verifiche a taglio	
-Solo le barre con deformazione percentuale rispetto	
Incremento <%>	30.00
-Tutte le barre in trazione	

Nuclei

Generali	
Parametri di disegno	
Scala disegno nuclei	25.00
Campitura disegno nucleo	Rada
Quotatura	Si
Armatura a taglio	
Progetta a taglio con traliccio ad inclinazione variabile	Si
-Classe A	
-In zona critica limita ctg θ a	1.00
-In zona non critica limita ctg θ a	2.50
-Classe B	
-In zona critica limita ctg θ a	2.50
-In zona non critica limita ctg θ a	2.50
Verifiche a taglio per elementi esistenti come per elementi nuovi	No
Stampe	
Tipo di relazione	Sintetica

Specifici	1
Materiali	
-Considera come elemento esistente	No
-Calcestruzzo	
-Livello di conoscenza	LC2
-Fattore di confidenza	1.20
-Tipo di calcestruzzo	C28/35
-Rck calcestruzzo	350.00
-Modulo elastico <daN/cmq>	325881.00
-Resistenza caratteristica cilindrica (Fck)	290.50
-Resistenza caratteristica a trazione (Fctk)	19.84
-Resistenza media (Fcm) <daN/cmq>	370.50
-Resistenza media a trazione (Fctm) <daN/cmq>	28.35

-σ amm. calcestruzzo <daN/cmq>	110.00
-τc0 <daN/cmq>	6.70
-τc1 <daN/cmq>	19.70
-Riduci Fcd per tutte le verifiche secondo il D.M. 08	Si
-γ_c per stati limite ultimi	
-Automatico	x
-Pari a	
-Acciaio	
-Livello di conoscenza	LC2
-Fattore di confidenza	1.20
-Tipo di acciaio	B450C
-Modulo elastico <daN/cmq>	2060000.00
-Tensione caratteristica di snervamento (Fyk) <daN/cmq>	4500.00
-Tensione media di snervamento (Fym) <daN/cmq>	4300.00
-Sigma amm. acciaio <daN/cmq>	2600.00
-Sigma amm. reti e tralicci <daN/cmq>	2600.00
-Allungamento per verifiche di duttilità (Agt) <%>	4.00
-γ_s per stati limite ultimi	
-Automatico	x
-Pari a	
-Coeff. di omogeneizzazione	15.00
Parametri di calcolo	
Copriferro <cm>	2.50
Fattore moltiplicativo per calcolo τ l	1.00
Fattore moltiplicativo per calcolo τ t	1.00
Fattore di riduzione per ancoraggio ferri	0.70
Lunghezza ancoraggi armature	
-Calcolata in funzione della σ f	
-Imposta come multiplo del diametro	20.00
Lunghezza minima pari a <m>	0.50
Rispetta prescrizioni relative alle pareti anche nei nuclei	Si
Considera pressoflessione retta per pareti isolate	Si
Armatura secondo Circ. 65 del 10/04/97	No
Conteggiare le riprese in elevazione	Si
Conteggiare le riprese in fondazione	Si
Parametri di calcolo per il D.M. 08	
Inviluppo e traslazione dei momenti flettenti	
Sempre	x
Solo per analisi sismiche statiche	
Mai	
Usa diagramma linearizzato	No
Incremento del 50% delle forze assiali	
Sempre	
Solo per analisi sismiche statiche	x
Mai	
Rispetta i disposti del punto 7.4.4.5.2.1 solo per stati limite sismici	No
Incremento dello sforzo di taglio per strutture in classe B	
Nessun incremento	
Incremento del 50%	x
Incremento di (q+1)/2	
Incremento dello sforzo di taglio per strutture in classe A	
Nessun incremento	
Incremento secondo espressioni 7.4.13 o 7.4.14	x
Modalità di calcolo espressione	
-Considera valore imposto pari a	
-Calcola considerando MRd/MEd pari a	1.20
Inviluppo e traslazione sforzi di taglio	
Sempre	
Solo per analisi sismiche statiche	x
Mai	
Modalità di ripartizione taglio di calcolo per pareti con fori	
In funzione delle sollecitazioni agenti nelle zone resistenti (con segno)	
In funzione delle sollecitazioni agenti nelle zone resistenti (in valore assoluto)	
In funzione delle aree delle zone resistenti	x
Modalità di valutazione parametri nel caso di sisma diverso per X e Y	
Usa valore massimo	
Componi in direzione parete	x
Armatura di default	
Diametro armatura verticale <mm>	10.00
Passo armatura verticale <cm>	20.00
Diametro armatura orizzontale <mm>	10.00
Passo armatura orizzontale <cm>	20.00
Modalità di completamento armatura verticale	
-Adattata	x
-Terminata	

-Nessuna	
Tipo di armatura orizzontale	
-Dritta	
-Con risvolti di estremità	x
-A staffa chiusa	
Armare le pareti corte con staffe	No
-Se più corte di un multiplo dello spessore pari a	
-Se più corte di <cm>	
Armatura secondaria	
Diametro ferri di collegamento <mm>	6.00
Numero ferri di collegamento (a mq)	6.00
Lunghezza ancoraggio ferri di collegamento <cm>	8.00
Armatura di estremità	
Modalità di chiusura estremi liberi delle pareti	
-Nessuna chiusura	x
-Chiusura con ferri ad U	
-Chiusura con staffe	
Lunghezza armatura di chiusura	
-Multiplo dello spessore pari a	1.50
-Lunghezza fissa pari a <cm>	
Modalità di chiusura estremi interni delle pareti	
-Nessuna chiusura	x
-Chiusura con ferri ad U	
-Chiusura con staffe	
Lunghezza armatura di chiusura	
-Multiplo dello spessore pari a	1.00
-Lunghezza fissa pari a <cm>	
Dati per progettazione agli stati limite	
Gruppo di esigenza	
-Ambiente poco aggressivo	x
-Ambiente moderatamente aggressivo	
-Ambiente molto aggressivo	
Usa dominio N-M per flessioni rette	No
-Ricerca della sicurezza con sforzo normale costante	
-Ricerca della sicurezza con eccentricità costante	
Controllo rapporto X/D	No
Barre da considerare tese per verifiche a taglio	
-Solo le barre con deformazione percentuale rispetto	
Diametro armatura orizzontale <%>	30.00
-Tutte le barre in trazione	

Verifiche e armature nuclei

Simbologia

Liv. = Numero del livello
Pos. = Posizione (P=Piede, T=Testa)
CC = Numero della combinazione delle condizioni di carico elementari
TCC = Tipo di combinazione di carico
  SLU = Stato limite ultimo
  SLU S = Stato limite ultimo (azione sismica)
  SLE R = Stato limite d'esercizio, combinazione rara
  SLE F = Stato limite d'esercizio, combinazione frequente
  SLE Q = Stato limite d'esercizio, combinazione quasi permanente
  SLD = Stato limite di danno
  SLV = Stato limite di salvaguardia della vita
  SLC = Stato limite di prevenzione del collasso
  SLO = Stato limite di operatività
  SLU I = Stato limite di resistenza al fuoco
N = Sforzo normale
N ver. = Sforzo normale di verifica
Mz = Momento flettente intorno all'asse Z
Mz ver. = Momento flettente di verifica intorno all'asse Z
My = Momento flettente intorno all'asse Y
Nu = Sforzo normale ultimo
Myu,r = Momento resistente (ridotto del 30%) intorno all'asse Y
Mzu,r = Momento resistente (ridotto del 30%) intorno all'asse Z
Sic. = Sicurezza a rottura
σ_c = Tensione nel calcestruzzo
σ_f = Tensione nel ferro
c = Ricoprimento dell'armatura
s = Distanza minima tra le barre
K3 = Coefficiente di forma del diagramma delle tensioni prima della fessurazione
s_{rm} = Distanza media tra le fessure
Φ = Diametro della barra
A_s = Area complessiva dei ferri nell'area di calcestruzzo efficace
$A_{c\ eff}$ = Area di calcestruzzo efficace

σ_s = Tensione nell'acciaio nella sezione fessurata
σ_{sr} = Tensione nell'acciaio corrispondente al raggiungimento della resistenza a trazione nel calcestruzzo
ε_{sm} = Deformazione unitaria media dell'armatura (*1000)
Wk = Apertura delle fessure
T_l = Taglio parete in dir. longitudinale
Vsdu = Taglio agente nella direzione del momento ultimo
ctgθ = Cotangente dell'angolo di inclinazione dei puntoni di calcestruzzo
VRsd = Taglio ultimo lato armatura
VRcd = Taglio ultimo lato calcestruzzo
$V_{Rd,s}$ = Taglio ultimo per scorrimento lungo piani orizzontali
V_{dd} = Contributo effetto spinotto
V_{fd} = Contributo resistenza per attrito
Sic.T = Sicurezza a rottura per taglio
Spess. = Spessore
Cf = Copriferro
Cls = Tipo di calcestruzzo
Fck = Resistenza caratteristica cilindrica a compressione del calcestruzzo
Fctk = Resistenza caratteristica a trazione del calcestruzzo
Fcd = Resistenza di calcolo a compressione del calcestruzzo
Fctd = Resistenza di calcolo a trazione del calcestruzzo
Acc. = Tipo di acciaio
Fyk = Tensione caratteristica di snervamento dell'acciaio
Fyd = Resistenza di calcolo dell'acciaio

Numero del nucleo n. 103

Nodi: -7 -12 -27 -32 -22 -37 -17 -2

Caratteristiche delle sezioni e dei materiali utilizzati

Spess. <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Acc.	Fyk <daN/cmq>	Fyd <daN/cmq>
20.00	4.40	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Armatura a flessione

Liv.	Pos.	CC	TCC	N <daN>	N ver. <daN>	Mz <daNm>	Mz ver. <daNm>	My <daNm>	Nu <daN>	Myu,r <daNm>	Mzu,r <daNm>	Sic.
1	P	1	SLV	11446.10	11446.10	0.00	0.00	15047.20	11457.80	24999.10	-0.00	1.661
1	P	2	SLD	-8183.52	-8183.52	0.00	0.00	5684.02	-8183.72	31112.70	-0.01	5.474
2	P	9	SLV	15126.10	15126.10	0.00	0.00	12630.80	15162.70	24844.60	-0.00	1.967
2	P	10	SLD	-6284.48	-6284.48	0.00	0.00	4783.01	-6284.75	31031.30	-0.01	6.488
3	P	9	SLV	2593.92	2593.92	0.00	0.00	16042.00	2615.56	25367.40	-0.00	1.581
3	P	10	SLD	-9522.96	-9522.96	0.00	0.00	6206.24	-9523.28	31170.10	-0.01	5.022
4	P	9	SLV	-2654.90	-2654.90	0.00	0.00	18318.80	-2654.88	25586.70	-0.00	1.397
4	P	10	SLD	-9978.99	-9978.99	0.00	0.00	7299.93	-9979.00	31189.60	-0.01	4.273
5	P	9	SLV	-6368.93	-6368.93	0.00	0.00	21337.70	-6368.94	25741.10	-0.00	1.206
5	P	10	SLD	-9896.16	-9896.16	0.00	0.00	8889.75	-9896.97	31186.10	-0.02	3.508
6	P	1	SLV	-829.64	-829.64	0.00	0.00	15054.90	-829.78	14835.70	-9372.11	0.985
6	P	2	SLD	-3372.21	-3372.21	0.00	0.00	6319.91	-3372.83	18030.40	-12470.70	2.853
7	P	1	SLV	-3177.20	-3177.20	0.00	0.00	12339.20	-3177.41	14933.60	-9281.87	1.210
7	P	2	SLD	-3400.09	-3400.09	0.00	0.00	5025.43	-3400.52	18031.60	-12469.90	3.588
8	P	1	SLV	-949.32	-949.32	0.00	0.00	9104.81	-949.45	14840.70	-9367.52	1.630
8	P	2	SLD	-1607.51	-1607.51	0.00	0.00	3598.12	-1608.27	17954.50	-12523.30	4.990
9	P	9	SLV	1634.49	1634.49	2515.45	81901.70	0.00	1697.79	-0.00	237131.00	2.895
9	P	10	SLD	285.50	285.50	1125.86	29947.10	0.00	303.38	0.00	284128.00	9.488

Stato limite d'esercizio - Armatura a flessione

Liv.	Pos.	CC	TCC	N <daN>	Mz <daNm>	My <daNm>	σ_c <daN/cmq>	σ_f <daN/cmq>
1	P	21	SLE R	-22331.80	0.00	856.92	4.05	46.25
1	P	29	SLE Q	-19641.80	0.00	757.65	3.57	40.77
2	P	21	SLE R	-21593.30	0.00	748.57	3.70	42.93
2	P	29	SLE Q	-18764.70	0.00	654.17	3.22	37.39
3	P	21	SLE R	-19211.10	0.00	1207.07	5.20	51.53
3	P	29	SLE Q	-16578.20	0.00	1027.47	4.43	44.11
4	P	21	SLE R	-16639.90	0.00	1790.44	7.89	83.07
4	P	29	SLE Q	-14239.50	0.00	1497.38	6.59	67.47
5	P	21	SLE R	-14115.00	0.00	2833.88	12.69	214.39
5	P	29	SLE Q	-11945.20	0.00	2338.26	10.46	174.74
6	P	21	SLE R	-5361.17	0.00	2088.74	16.40	344.89
6	P	29	SLE Q	-4715.14	0.00	1719.19	13.48	279.71
7	P	21	SLE R	-4004.87	0.00	1410.18	11.06	227.55
7	P	29	SLE Q	-3518.61	0.00	1167.38	9.14	185.59
8	P	21	SLE R	-2260.38	0.00	827.18	6.49	134.69
8	P	29	SLE Q	-2004.16	0.00	690.77	5.41	110.89
9	P	21	SLE R	-529.97	0.00	207.15	1.63	34.23
9	P	29	SLE Q	-493.62	0.00	177.29	1.39	28.74

Verifiche stato limite di formazione delle fessure

Liv.	Pos.	CC	TCC	N <daN>	Mz <daNm>	My <daNm>	c <mm>	s <mm>	K3	s_{rm} <mm>	Φ	A_s <cmq>	$A_{c\,eff}$ <cmq>	σ_s <daN/cmq>	σ_{sr} <daN/cmq>	ε_{sm}	Wk <mm>
3	P	29	SLE Q	-16578.20	0.00	1027.47	35.00	196.48	0.13	214.41	18.00	66.16	7727.34	12.70	355.79	0.00	0.00
3	P	25	SLE F	-17330.40	0.00	1078.79	35.00	196.48	0.13	214.41	18.00	66.16	7727.34	13.61	361.39	0.00	0.00
4	P	29	SLE Q	-14239.50	0.00	1497.38	35.00	196.48	0.13	214.41	18.00	66.16	7727.34	67.47	883.80	0.01	0.00
4	P	25	SLE F	-14925.40	0.00	1581.11	35.00	196.48	0.13	214.41	18.00	66.16	7727.34	71.92	889.26	0.01	0.01
5	P	29	SLE Q	-11945.20	0.00	2338.26	35.00	196.48	0.13	214.41	18.00	66.16	7727.34	174.74	1209.64	0.03	0.01
5	P	25	SLE F	-12565.10	0.00	2479.87	35.00	196.48	0.13	214.41	18.00	66.16	7727.34	186.06	1212.51	0.04	0.01
6	P	29	SLE Q	-4715.14	0.00	1719.19	35.00	196.48	0.13	215.27	18.00	38.17	4494.69	279.71	1432.12	0.05	0.02
6	P	25	SLE F	-4899.72	0.00	1824.77	35.00	196.48	0.13	215.27	18.00	38.17	4494.69	298.33	1436.16	0.06	0.02
7	P	29	SLE Q	-3518.61	0.00	1167.38	35.00	196.48	0.13	215.27	18.00	38.17	4494.69	185.59	1412.93	0.04	0.01
7	P	25	SLE F	-3657.54	0.00	1236.75	35.00	196.48	0.13	215.27	18.00	38.17	4494.69	197.58	1416.96	0.04	0.01
8	P	29	SLE Q	-2004.16	0.00	690.77	35.00	196.48	0.13	215.27	18.00	38.17	4494.69	110.89	1420.93	0.02	0.01
8	P	25	SLE F	-2077.37	0.00	729.75	35.00	196.48	0.13	215.27	18.00	38.17	4494.69	117.69	1424.79	0.02	0.01
9	P	29	SLE Q	-493.62	0.00	177.29	35.00	196.48	0.13	215.27	18.00	38.17	4494.69	28.74	1429.20	0.01	0.00
9	P	25	SLE F	-504.00	0.00	185.82	35.00	196.48	0.13	215.27	18.00	38.17	4494.69	30.31	1434.26	0.01	0.00

Stato limite ultimo - Armatura a taglio

Liv.	Pos.	CC	TCC	T_1 <daN>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	$V_{Rd,s}$ <daN>	V_{dd} <daN>	V_{fd} <daN>	Sic.T
1	P	1	SLV	26224.70	39337.10	2.09	286115.00	286115.00	205664.00	129447.00	76217.00	5.23
1	P	2	SLD	9458.86	14188.30	2.45	386459.00	386459.00	220743.00	148864.00	71878.90	15.56
2	P	1	SLV	29219.80	43829.70	2.09	286115.00	286115.00				6.53
2	P	2	SLD	10581.80	15872.80	2.45	386305.00	386305.00				24.34
3	P	1	SLV	27747.20	41620.80	2.09	286115.00	286115.00				6.87
3	P	2	SLD	10140.00	15210.00	2.45	386613.00	386613.00				25.42
4	P	1	SLV	20209.40	30314.10	2.09	286507.00	286507.00				9.45
4	P	2	SLD	7575.14	11362.70	2.45	386655.00	386655.00				34.03
5	P	5	SLV	14007.90	21011.80	2.10	287227.00	287227.00				13.67
5	P	6	SLD	5605.37	8408.05	2.45	386747.00	386747.00				46.00
6	P	13	SLV	12869.50	19304.30	2.09	170871.00	170871.00				8.85
6	P	14	SLD	5390.64	8085.96	2.45	230402.00	230402.00				28.49
7	P	13	SLV	11873.80	17810.70	2.09	170835.00	170835.00				9.59
7	P	14	SLD	4809.89	7214.84	2.45	230318.00	230318.00				31.92
8	P	13	SLV	12567.30	18850.90	2.09	170680.00	170680.00				9.05
8	P	14	SLD	5106.05	7659.07	2.45	230181.00	230181.00				30.05
9	P	13	SLV	13056.70	19585.00	2.09	170653.00	170653.00				8.71
9	P	14	SLD	5394.98	8092.47	2.45	230065.00	230065.00				28.43

Numero del nucleo n. 106

Nodi: -36 -37 -35

Caratteristiche delle sezioni e dei materiali utilizzati

Spess. <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Acc.	Fyk <daN/cmq>	Fyd <daN/cmq>
20.00	3.90	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Armatura a flessione

Liv.	Pos.	CC	TCC	N <daN>	N ver. <daN>	Mz <daNm>	Mz ver. <daNm>	My <daNm>	Nu <daN>	Myu,r <daNm>	Mzu,r <daNm>	Sic.
1	T	9	SLV	28675.40	28675.40	15708.90	15708.90	0.00	28731.00	0.00	17795.30	1.133
1	P	10	SLD	9045.86	9045.86	5954.48	5954.48	0.00	9045.94	0.00	29951.10	5.030

Stato limite d'esercizio - Armatura a flessione

Liv.	Pos.	CC	TCC	N <daN>	Mz <daNm>	My <daNm>	σ_c <daN/cmq>	σ_f <daN/cmq>
1	T	21	SLE R	-1558.45	888.74	0.00	2.58	40.25
1	T	29	SLE Q	-1348.35	807.79	0.00	2.37	39.69

Verifiche stato limite di formazione delle fessure

Liv.	Pos.	CC	TCC	N <daN>	Mz <daNm>	My <daNm>	c <mm>	s <mm>	K3	s_{rm} <mm>	Φ	A_s <cmq>	$A_{c\,eff}$ <cmq>	σ_s <daN/cmq>	σ_{sr} <daN/cmq>	ε_{sm}	Wk <mm>
1	T	29	SLE Q	-1348.35	807.79	0.00	33.00	122.00	0.21	195.11	12.00	2.26	232.00	39.69	1661.56	0.01	0.00
1	T	25	SLE F	-1408.38	830.92	0.00	33.00	122.00	0.21	194.94	12.00	2.26	232.00	39.84	1635.69	0.01	0.00

Stato limite ultimo - Armatura a taglio

Liv.	Pos.	CC	TCC	T_1 <daN>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	$V_{Rd,s}$ <daN>	V_{dd} <daN>	V_{fd} <daN>	Sic.T
1	P	1	SLV	-7823.99	11736.00	2.50	55806.20	64422.10	27991.00	17702.20	10288.80	2.39
1	P	2	SLD	-2919.02	4378.53	2.50	64177.10	96633.20	28403.20	20357.50	8045.70	6.49

Verifiche e armature solette/platee

Simbologia
Nodo = Numero del nodo
X = Coordinata X del nodo
Y = Coordinata Y del nodo
DV = Direzione di verifica
XX = Verifica per momento Mxx
YY = Verifica per momento Myy

CC = Numero della combinazione delle condizioni di carico elementari
TCC = Tipo di combinazione di carico
SLU = Stato limite ultimo
SLU S = Stato limite ultimo (azione sismica)
SLE R = Stato limite d'esercizio, combinazione rara
SLE F = Stato limite d'esercizio, combinazione frequente
SLE Q = Stato limite d'esercizio, combinazione quasi permanente
SLD = Stato limite di danno
SLV = Stato limite di salvaguardia della vita
SLC = Stato limite di prevenzione del collasso
SLO = Stato limite di operatività
SLU I = Stato limite di resistenza al fuoco
c = Ricoprimento dell'armatura
s = Distanza minima tra le barre
K3 = Coefficiente di forma del diagramma delle tensioni prima della fessurazione
s_{rm} = Distanza media tra le fessure
Φ = Diametro della barra
A_s = Area complessiva dei ferri nell'area di calcestruzzo efficace
$A_{c\ eff}$ = Area di calcestruzzo efficace
σ_s = Tensione nell'acciaio nella sezione fessurata
σ_{sr} = Tensione nell'acciaio corrispondente al raggiungimento della resistenza a trazione nel calcestruzzo
ε_{sm} = Deformazione unitaria media dell'armatura (*1000)
Wk = Apertura delle fessure
AfE S = Area di ferro effettiva totale presente nel punto di verifica, superiore
AfE I = Area di ferro effettiva totale presente nel punto di verifica, inferiore
Mom = Momento flettente
Mu = Momento ultimo
Sic. = Sicurezza a rottura
Vsdu = Taglio agente nella direzione del momento ultimo
Vrdu = Taglio ultimo assorbibile dal solo calcestruzzo
σ_c = Tensione nel calcestruzzo
σ_f = Tensione nel ferro
Spess. = Spessore
Cf sup = Copriferro superiore
Cf inf = Copriferro inferiore
Cls = Tipo di calcestruzzo
Fck = Resistenza caratteristica cilindrica a compressione del calcestruzzo
Fctk = Resistenza caratteristica a trazione del calcestruzzo
Fcd = Resistenza di calcolo a compressione del calcestruzzo
Fctd = Resistenza di calcolo a trazione del calcestruzzo
Acc. = Tipo di acciaio
Fyk = Tensione caratteristica di snervamento dell'acciaio
Fyd = Resistenza di calcolo dell'acciaio

Armatura platea a quota -1.25

Caratteristiche delle sezioni e dei materiali utilizzati

Spess. <cm>	Cf sup <cm>	Cf inf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Acc.	Fyk <daN/cmq>	Fyd <daN/cmq>
45.00	3.00	3.00	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Ferri longitudinali - Verifiche armatura

Nodo	X <m>	Y <m>	DV	CC	TCC	AfE S <cmq>	AfE I <cmq>	Mom <daNm>	Mu <daNm>	Sic.
-42	10.65	21.01	XX	9	SLV	7.70	7.70	8094.56	12421.00	1.534
-42	10.65	21.01	XX	10	SLD	7.70	7.70	3250.17	14467.90	4.451
-40	9.35	21.01	YY	1	SLV	7.70	7.70	9266.58	12421.00	1.340
-40	9.35	21.01	YY	2	SLD	7.70	7.70	3397.13	14467.90	4.259

Stato limite ultimo - Verifica a taglio del calcestruzzo

Nodo	X <m>	Y <m>	DV	CC	TCC	AfE S <cmq>	AfE I <cmq>	Vsdu <daN>	Vrdu <daN>
-37	10.65	20.02	XX	1	SLV	7.70	7.70	14534.80	17407.90
-37	10.65	20.02	XX	2	SLD	7.70	7.70	5252.06	22309.70
-35	9.35	20.02	YY	1	SLV	7.70	7.70	23846.60	17407.90
-35	9.35	20.02	YY	2	SLD	7.70	7.70	8684.73	22309.70

Stato limite d'esercizio - Ferri longitudinali - Verifiche armatura

Nodo	X <m>	Y <m>	DV	CC	TCC	AfE S <cmq>	AfE I <cmq>	Mom <daNm>	σ_c <daN/cmq>	σ_f <daN/cmq>
-12	10.65	16.62	XX	24	SLE R	7.70	7.70	833.89	4.43	276.08
-12	10.65	16.62	XX	32	SLE Q	7.70	7.70	737.34	3.91	244.12
-15	9.35	17.02	YY	22	SLE R	7.70	7.70	-154.90	0.82	51.28
-15	9.35	17.02	YY	30	SLE Q	7.70	7.70	-143.06	0.76	47.36
-37	10.65	20.02	YY	21	SLE R	7.70	7.70	492.09	2.61	162.92
-37	10.65	20.02	YY	29	SLE Q	7.70	7.70	440.00	2.34	145.68

Verifiche stato limite di formazione delle fessure

Nodo	X <m>	Y <m>	DV	CC	TCC	c <mm>	s <mm>	K3	s_{rm} <mm>	Φ	A_s <cmq>	$A_{c\ eff}$ <cmq>	σ_s <daN/cmq>	σ_{sr} <daN/cmq>	ε_{sm}	Wk <mm>
-12	10.65	16.62	XX	32	SLE Q	23.00	196.00	0.18	219.03	14.00	1.54	205.44	244.12	4242.12	0.05	0.02
-12	10.65	16.62	XX	28	SLE F	23.00	196.00	0.18	219.03	14.00	1.54	205.44	253.25	4242.12	0.05	0.02
-15	9.35	17.02	YY	30	SLE Q	23.00	196.00	0.18	219.03	14.00	1.54	205.44	47.36	4338.45	0.01	0.00
-15	9.35	17.02	YY	26	SLE F	23.00	196.00	0.18	219.03	14.00	1.54	205.44	48.48	4338.45	0.01	0.00
-37	10.65	20.02	YY	29	SLE Q	23.00	196.00	0.18	219.03	14.00	1.54	205.44	145.68	4242.12	0.03	0.01
-37	10.65	20.02	YY	25	SLE F	23.00	196.00	0.18	219.03	14.00	1.54	205.44	150.60	4242.12	0.03	0.01

Verifiche sezioni aste

Simbologia

Caso = Caso di verifica
CC = Numero della combinazione delle condizioni di carico elementari
TCC = Tipo di combinazione di carico
- SLU = Stato limite ultimo
- SLU S = Stato limite ultimo (azione sismica)
- SLE R = Stato limite d'esercizio, combinazione rara
- SLE F = Stato limite d'esercizio, combinazione frequente
- SLE Q = Stato limite d'esercizio, combinazione quasi permanente
- SLD = Stato limite di danno
- SLV = Stato limite di salvaguardia della vita
- SLC = Stato limite di prevenzione del collasso
- SLO = Stato limite di operatività
- SLU I = Stato limite di resistenza al fuoco

N = Sforzo normale
My = Momento flettente intorno all'asse Y
Mz = Momento flettente intorno all'asse Z
Nu = Sforzo normale ultimo
Myu = Momento ultimo intorno all'asse Y
Mzu = Momento ultimo intorno all'asse Z
Rott. = Tipo di rottura
- 1-2 = Rott. acciaio: $\varepsilon_Y=\varepsilon_{Yd}$, $\varepsilon_C<\varepsilon_{Cu}$
- 2-3 = Rott. cls: $\varepsilon_Y<\varepsilon_{Yd}$, $\varepsilon_C=\varepsilon_{Cu}$
- 3-4 = Rott. cls: $\varepsilon_{C0}<\varepsilon_C<\varepsilon_{Cu}$

α = Angolo asse neutro a rottura
ε_c = Deformazione nel calcestruzzo (*1000)
TS = Modalità di calcolo sicurezza
- N/e = N costante ed eccentricità costante
- My/e = My costante ed eccentricità costante
- My/N = My e N costante
- Mz/e = Mz costante ed eccentricità costante
- Mz/N = Mz e N costante

Sic. = Sicurezza a rottura
AfT = Area di ferro tesa
AfC = Area di ferro compressa
σ_c = Tensione nel calcestruzzo
σ_f = Tensione nel ferro
c = Ricoprimento dell'armatura
s = Distanza minima tra le barre
K3 = Coefficiente di forma del diagramma delle tensioni prima della fessurazione
s_{rm} = Distanza media tra le fessure
Φ = Diametro della barra
A_s = Area complessiva dei ferri nell'area di calcestruzzo efficace
$A_{c\ eff}$ = Area di calcestruzzo efficace
σ_s = Tensione nell'acciaio nella sezione fessurata
σ_{sr} = Tensione nell'acciaio corrispondente al raggiungimento della resistenza a trazione nel calcestruzzo
ε_{sm} = Deformazione unitaria media dell'armatura (*1000)
Wk = Apertura delle fessure
Ty = Taglio in dir. Y
Tz = Taglio in dir. Z
bw = Larghezza membratura resistente al taglio
Asw = Area armatura trasversale
Vsdu = Taglio agente nella direzione del momento ultimo
ctgθ = Cotangente dell'angolo di inclinazione dei puntoni di calcestruzzo
VRcd = Taglio ultimo lato calcestruzzo
VRsd = Taglio ultimo lato armatura
Tipo = Tipo di verifica effettuata

sez1

Sezione degli elementi bidimensionali n. 402

Verifiche stato limite ultimo per tensioni normali

Caso	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	Myu <daNm>	Mzu <daNm>	Rott.	α <grad>	ε_c	TS	Sic.
1		SLV	3206.61	1493.04	4290.35	3215.32	4030.82	11557.50	2-3	178.36	-3.50	N/e	2.694
2		SLV	3206.61	1493.04	-5184.32	3208.40	3941.88	-14016.50	2-3	182.19	-3.50	N/e	2.699

3		SLV	3206.61	-1571.32	4290.35	3207.67	-4049.31	11224.60	2-3	1.56	-3.50	N/e	2.612
4		SLV	3206.61	-1571.32	-5184.32	3211.76	-3964.43	-13428.70	2-3	357.97	-3.50	N/e	2.585
5		SLV	-1521.54	1493.04	4290.35	-1521.55	4360.47	12227.60	2-3	178.28	-3.50	N/e	2.858
6		SLV	-1521.54	1493.04	-5184.32	-1521.65	4253.18	-14909.00	2-3	182.34	-3.50	N/e	2.874
7		SLV	-1521.54	-1571.32	4290.35	-1521.55	-4360.48	12227.60	2-3	1.72	-3.50	N/e	2.841
8		SLV	-1521.54	-1571.32	-5184.32	-1521.55	-4279.13	-14384.00	2-3	357.81	-3.50	N/e	2.770
9		SLV	2401.33	1459.49	4068.60	2411.21	4106.96	11255.10	2-3	178.44	-3.50	N/e	2.772
10		SLV	2401.33	1459.49	-4962.58	2401.34	4022.69	-13478.70	2-3	182.03	-3.50	N/e	2.719
11		SLV	2401.33	-1537.77	4068.60	2402.98	-4121.65	10793.40	2-3	1.48	-3.50	N/e	2.656
12		SLV	2401.33	-1537.77	-4962.58	2403.37	-4046.62	-12701.00	2-3	358.13	-3.50	N/e	2.566
13		SLV	-716.26	1459.49	4068.60	-716.27	4302.50	12196.60	2-3	178.28	-3.50	N/e	2.992
14		SLV	-716.26	1459.49	-4962.58	-716.27	4221.87	-14322.20	2-3	182.19	-3.50	N/e	2.887
15		SLV	-716.26	-1537.77	4068.60	-716.27	-4332.85	11374.40	2-3	1.56	-3.50	N/e	2.798
16		SLV	-716.26	-1537.77	-4962.58	-725.68	-4247.82	-13652.50	2-3	357.97	-3.50	N/e	2.752
17		SLV	2773.10	471.39	1310.53	2773.82	4080.72	11241.20	2-3	178.44	-3.50	N/e	8.587
18		SLV	2773.10	471.39	-2204.50	2780.79	3794.35	-17767.40	2-3	183.75	-3.50	N/e	8.059
19		SLV	2773.10	-549.67	1310.53	2781.12	-4127.51	9926.49	2-3	1.33	-3.50	N/e	7.565
20		SLV	2773.10	-549.67	-2204.50	2773.12	-3888.57	-15958.80	2-3	357.19	-3.50	N/e	7.230
21		SLV	-1088.03	471.39	1310.53	-1088.03	4329.27	12211.00	2-3	178.28	-3.50	N/e	9.302
22		SLV	-1088.03	471.39	-2204.50	-1088.03	4058.97	-18487.60	2-3	183.75	-3.50	N/e	8.396
23		SLV	-1088.03	-549.67	1310.53	-1088.03	-4387.19	10452.90	2-3	1.41	-3.50	N/e	7.977
24		SLV	-1088.03	-549.67	-2204.50	-1088.03	-4159.23	-16373.60	2-3	357.19	-3.50	N/e	7.436
25		SLV	1596.24	-437.85	-1465.35	1596.24	-4080.72	-13523.70	2-3	357.97	-3.50	N/e	9.236
26		SLV	1596.24	-437.85	571.38	1596.24	-4341.83	5647.14	2-3	0.66	-3.50	N/e	9.896
27		SLV	1596.24	359.57	-1465.35	1596.25	3971.17	-16086.20	2-3	182.81	-3.50	N/e	10.982
28		SLV	1596.24	359.57	571.38	1599.50	4307.53	6853.77	2-3	179.16	-3.50	N/e	11.991
29		SLV	88.83	-437.85	-1465.35	97.03	-4163.97	-14259.60	2-3	357.81	-3.50	N/e	9.713
30		SLV	88.83	-437.85	571.38	88.84	-4437.81	5859.31	2-3	0.70	-3.50	N/e	10.211
31		SLV	88.83	359.57	-1465.35	97.25	4041.31	-17034.70	2-3	183.13	-3.50	N/e	11.603
32		SLV	88.83	359.57	571.38	93.05	4410.63	7012.99	2-3	179.14	-3.50	N/e	12.272
33		SLV	2936.87	1400.09	4027.37	2946.55	4050.12	11571.50	2-3	178.36	-3.50	N/e	2.875
34		SLV	2936.87	1400.09	-5447.30	2941.28	3915.19	-15071.30	2-3	182.50	-3.50	N/e	2.769
35		SLV	2936.87	-1664.27	4027.37	2944.27	-4115.77	9920.15	2-3	1.33	-3.50	N/e	2.465
36		SLV	2936.87	-1664.27	-5447.30	2936.88	-3984.06	-13448.70	2-3	357.97	-3.50	N/e	2.463
37		SLV	-1791.29	1400.09	4027.37	-1791.30	4366.35	12641.00	2-3	178.20	-3.50	N/e	3.137
38		SLV	-1791.29	1400.09	-5447.30	-1791.29	4208.42	-16448.10	2-3	182.81	-3.50	N/e	3.019
39		SLV	-1791.29	-1664.27	4027.37	-1791.29	-4437.64	10480.00	2-3	1.41	-3.50	N/e	2.612
40		SLV	-1791.29	-1664.27	-5447.30	-1791.33	-4298.32	-14403.40	2-3	357.81	-3.50	N/e	2.639
41		SLV	2131.58	1366.55	3805.63	2132.49	4127.12	11265.70	2-3	178.44	-3.50	N/e	2.967
42		SLV	2131.58	1366.55	-5225.55	2138.26	3971.80	-15153.10	2-3	182.50	-3.50	N/e	2.900
43		SLV	2131.58	-1630.72	3805.63	2134.14	-4174.03	9951.59	2-3	1.33	-3.50	N/e	2.606
44		SLV	2131.58	-1630.72	-5225.55	2133.87	-4066.07	-12715.50	2-3	358.13	-3.50	N/e	2.439
45		SLV	-986.01	1366.55	3805.63	-986.01	4321.92	12207.00	2-3	178.28	-3.50	N/e	3.203
46		SLV	-986.01	1366.55	-5225.55	-986.01	4152.09	-16362.70	2-3	182.81	-3.50	N/e	3.125
47		SLV	-986.01	-1630.72	3805.63	-986.02	-4379.86	10449.00	2-3	1.41	-3.50	N/e	2.736
48		SLV	-986.01	-1630.72	-5225.55	-990.16	-4266.83	-13667.10	2-3	357.97	-3.50	N/e	2.616
49		SLV	2503.35	378.44	1047.55	2512.92	4099.60	11251.20	2-3	178.44	-3.50	N/e	10.751
50		SLV	2503.35	378.44	-2467.48	2509.95	3398.31	-22666.80	2-3	190.00	-3.50	N/e	9.182
51		SLV	2503.35	-642.62	1047.55	2506.02	-4240.99	6965.86	2-3	0.86	-3.50	N/e	6.636
52		SLV	2503.35	-642.62	-2467.48	2508.80	-3945.68	-15115.40	2-3	357.50	-3.50	N/e	6.127
53		SLV	-1357.78	378.44	1047.55	-1357.78	4348.69	12221.30	2-3	178.28	-3.50	N/e	11.646
54		SLV	-1357.78	378.44	-2467.48	-1357.78	3611.93	-24044.80	2-3	190.00	-3.50	N/e	9.740
55		SLV	-1357.78	-642.62	1047.55	-1357.91	-4505.37	7260.07	2-3	0.90	-3.50	N/e	6.953
56		SLV	-1357.78	-642.62	-2467.48	-1357.78	-4178.10	-16402.20	2-3	357.19	-3.50	N/e	6.638
57		SLV	1326.49	-530.80	-1728.33	1326.49	-4100.15	-13538.70	2-3	357.97	-3.50	N/e	7.824
58		SLV	1326.49	-530.80	308.40	1327.81	-4427.96	2532.89	2-3	0.23	-3.50	N/e	8.310
59		SLV	1326.49	266.63	-1728.33	1330.27	3463.47	-23088.20	2-3	190.00	-3.50	N/e	13.350
60		SLV	1326.49	266.63	308.40	1326.50	4368.20	5043.52	2-3	179.40	-3.50	N/e	16.366
61		SLV	-180.91	-530.80	-1728.33	-181.14	-4208.66	-13622.40	2-3	357.97	-3.50	N/e	7.886
62		SLV	-180.91	-530.80	308.40	-183.94	-4499.65	2607.18	2-3	0.31	-3.50	N/e	8.471
63		SLV	-180.91	266.63	-1728.33	-180.92	3546.94	-23626.60	2-3	190.00	-3.50	N/e	13.662
64		SLV	-180.91	266.63	308.40	-180.94	4472.62	5125.97	2-3	179.40	-3.50	N/e	16.687
65		SLU	1247.28	-173.29	-1069.36	1249.91	-3622.13	-21766.10	2-3	352.50	-3.50	N/e	20.369
66		SLU	1176.80	-117.23	-898.55	1185.23	-3138.22	-24795.80	2-3	345.00	-3.50	N/e	27.582
67		SLU	1241.64	-146.59	-993.28	1245.53	-3468.15	-23118.40	2-3	350.00	-3.50	N/e	23.283
68		SLU	1182.44	-143.94	-974.63	1186.40	-3471.42	-23139.50	2-3	350.00	-3.50	N/e	23.750
69		SLD	1606.09	477.28	1159.06	1612.59	4695.95	11486.10	2-3	178.44	-3.50	N/e	9.900
70		SLD	1606.09	477.28	-2222.26	1606.11	4613.00	-22348.30	2-3	183.75	-3.50	N/e	10.040
71		SLD	1606.09	-615.37	1159.06	1611.90	-5141.72	9781.44	2-3	0.94	-3.50	N/e	8.421
72		SLD	1606.09	-615.37	-2222.26	1613.30	-4856.58	-17568.60	2-3	357.97	-3.50	N/e	7.905
73		SLD	-94.60	477.28	1159.06	-103.97	5177.31	12569.10	2-3	178.75	-3.50	N/e	10.845
74		SLD	-94.60	477.28	-2222.26	-94.61	4733.23	-22741.60	2-3	183.75	-3.50	N/e	10.220
75		SLD	-94.60	-615.37	1159.06	-95.48	-5268.15	9891.91	2-3	0.94	-3.50	N/e	8.540
76		SLD	-94.60	-615.37	-2222.26	-94.62	-4983.85	-17738.20	2-3	357.97	-3.50	N/e	7.990
77		SLD	1303.97	465.14	1076.48	1305.21	5094.87	11832.00	2-3	178.83	-3.50	N/e	10.985
78		SLD	1303.97	465.14	-2139.68	1312.45	4706.10	-21171.80	2-3	183.13	-3.50	N/e	9.905
79		SLD	1303.97	-603.23	1076.48	1308.79	-5189.66	9135.47	2-3	0.86	-3.50	N/e	8.514
80		SLD	1303.97	-603.23	-2139.68	1311.85	-4879.27	-17604.80	2-3	357.97	-3.50	N/e	8.218
81		SLD	207.52	465.14	1076.48	207.52	5177.92	11900.70	2-3	178.83	-3.50	N/e	11.067

82		SLD	207.52	465.14	-2139.68	208.71	4785.77	-21394.30	2-3	183.13	-3.50	N/e	10.012
83		SLD	207.52	-603.23	1076.48	211.57	-5266.65	9400.13	2-3	0.88	-3.50	N/e	8.732
84		SLD	207.52	-603.23	-2139.68	210.94	-4961.25	-17712.30	2-3	357.97	-3.50	N/e	8.274
85		SLD	1469.07	113.27	100.85	1474.86	5307.18	4726.35	2-3	179.59	-3.50	N/e	46.858
86		SLD	1469.07	113.27	-1164.05	1478.50	3099.16	-31602.60	2-3	205.00	-3.50	N/e	27.151
87		SLD	1469.07	-251.36	100.85	1475.52	-5332.63	2131.66	2-3	0.14	-3.50	N/e	21.204
88		SLD	1469.07	-251.36	-1164.05	1476.96	-4694.22	-21138.60	2-3	356.88	-3.50	N/e	18.183
89		SLD	42.43	113.27	100.85	47.91	5412.18	4824.47	2-3	179.59	-3.50	N/e	47.805
90		SLD	42.43	113.27	-1164.05	45.35	3136.12	-32297.20	2-3	205.00	-3.50	N/e	27.745
91		SLD	42.43	-251.36	100.85	46.68	-5428.98	2151.09	2-3	0.14	-3.50	N/e	21.561
92		SLD	42.43	-251.36	-1164.05	42.80	-4723.52	-22709.90	2-3	356.25	-3.50	N/e	19.478
93		SLD	1049.49	-210.88	-888.77	1051.54	-4765.62	-20432.10	2-3	357.19	-3.50	N/e	22.968
94		SLD	1049.49	-210.88	-174.43	1056.23	-5339.64	-4490.04	2-3	359.61	-3.50	N/e	25.493
95		SLD	1049.49	72.79	-888.77	1055.99	2791.18	-32421.20	2-3	210.00	-3.50	N/e	36.492
96		SLD	1049.49	72.79	-174.43	1050.96	5097.72	-12074.40	2-3	181.21	-3.50	N/e	69.344
97		SLD	462.00	-210.88	-888.77	463.53	-4808.55	-20538.50	2-3	357.19	-3.50	N/e	23.093
98		SLD	462.00	-210.88	-174.43	467.59	-5382.90	-4531.71	2-3	359.61	-3.50	N/e	25.712
99		SLD	462.00	72.79	-888.77	470.14	2802.89	-32711.30	2-3	210.00	-3.50	N/e	36.817
100		SLD	462.00	72.79	-174.43	462.00	5135.04	-12549.60	2-3	181.25	-3.50	N/e	71.741
101		SLD	1509.92	444.14	1065.31	1510.91	5062.80	12044.30	2-3	178.79	-3.50	N/e	11.320
102		SLD	1509.92	444.14	-2316.01	1509.93	4498.75	-24123.60	2-3	185.00	-3.50	N/e	10.406
103		SLD	1509.92	-648.51	1065.31	1514.84	-5182.91	8652.99	2-3	0.82	-3.50	N/e	8.087
104		SLD	1509.92	-648.51	-2316.01	1517.31	-4863.81	-17580.10	2-3	357.97	-3.50	N/e	7.584
105		SLD	-190.76	444.14	1065.31	-190.78	5183.79	12572.10	2-3	178.75	-3.50	N/e	11.782
106		SLD	-190.76	444.14	-2316.01	-191.19	4614.51	-24576.80	2-3	185.00	-3.50	N/e	10.604
107		SLD	-190.76	-648.51	1065.31	-190.77	-5311.02	8756.06	2-3	0.82	-3.50	N/e	8.211
108		SLD	-190.76	-648.51	-2316.01	-190.79	-4990.97	-17746.40	2-3	357.97	-3.50	N/e	7.665
109		SLD	1207.80	432.00	982.73	1209.15	5102.16	11838.50	2-3	178.83	-3.50	N/e	12.009
110		SLD	1207.80	432.00	-2233.43	1207.81	4519.32	-24204.20	2-3	185.00	-3.50	N/e	10.824
111		SLD	1207.80	-636.36	982.73	1216.27	-5210.04	8096.60	2-3	0.78	-3.50	N/e	8.224
112		SLD	1207.80	-636.36	-2233.43	1210.39	-4916.86	-16721.10	2-3	358.13	-3.50	N/e	7.505
113		SLD	111.36	432.00	982.73	111.37	5185.08	11904.10	2-3	178.83	-3.50	N/e	12.095
114		SLD	111.36	432.00	-2233.43	111.35	4593.93	-24496.40	2-3	185.00	-3.50	N/e	10.956
115		SLD	111.36	-636.36	982.73	113.65	-5292.66	8166.44	2-3	0.78	-3.50	N/e	8.312
116		SLD	111.36	-636.36	-2233.43	114.81	-4968.36	-17720.40	2-3	357.97	-3.50	N/e	7.925
117		SLD	1372.90	80.14	7.10	1372.94	5282.19	425.30	2-3	179.89	-3.50	N/e	65.869
118		SLD	1372.90	80.14	-1257.80	1378.54	2154.01	-33298.00	2-3	220.00	-3.50	N/e	26.475
119		SLD	1372.90	-284.50	7.10	1377.63	-5343.90	169.49	2-3	0.06	-3.50	N/e	18.787
120		SLD	1372.90	-284.50	-1257.80	1381.12	-4701.14	-21158.00	2-3	356.88	-3.50	N/e	16.807
121		SLD	-53.74	80.14	7.10	-54.43	5379.78	430.52	2-3	179.89	-3.50	N/e	67.084
122		SLD	-53.74	80.14	-1257.80	-53.76	2168.46	-34024.70	2-3	220.00	-3.50	N/e	27.051
123		SLD	-53.74	-284.50	7.10	-53.77	-5471.77	142.19	2-3	0.04	-3.50	N/e	19.233
124		SLD	-53.74	-284.50	-1257.80	-53.74	-4804.70	-21447.10	2-3	356.88	-3.50	N/e	17.043
125		SLD	953.33	-244.01	-982.52	954.24	-4819.37	-19527.30	2-3	357.50	-3.50	N/e	19.867
126		SLD	953.33	-244.01	-268.18	953.91	-5288.63	-5804.83	2-3	359.44	-3.50	N/e	21.658
127		SLD	953.33	39.65	-982.52	956.17	1126.02	-34625.80	2-3	240.00	-3.50	N/e	35.232
128		SLD	953.33	39.65	-268.18	962.86	4172.22	-27947.70	2-3	190.00	-3.50	N/e	>100
129		SLD	365.83	-244.01	-982.52	372.20	-4862.38	-19617.10	2-3	357.50	-3.50	N/e	19.964
130		SLD	365.83	-244.01	-268.18	366.98	-5331.57	-5855.86	2-3	359.44	-3.50	N/e	21.842
131		SLD	365.83	39.65	-982.52	370.08	1125.09	-34939.70	2-3	240.00	-3.50	N/e	35.551
132		SLD	365.83	39.65	-268.18	370.36	4206.89	-28172.00	2-3	190.00	-3.50	N/e	>100

Verifiche stato limite ultimo per sollecitazioni taglianti

Caso	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctg0	VRcd <daN>	VRsd <daN>
1	728.41	-2275.75	1.21	2.58	2295.67	2.50	59950.10	4411.91
2	-1721.15	-2275.75	0.84	2.61	2339.79	2.50	43866.00	4702.54
3	728.41	2789.14	1.21	2.58	2807.97	2.50	59256.50	4370.69
4	-1721.15	2789.14	0.94	2.60	2848.40	2.50	48662.90	4619.13
5	728.41	-2275.75	1.05	2.59	2296.58	2.50	52485.60	4453.21
6	-1721.15	-2275.75	0.75	2.61	2344.24	2.50	39789.30	4786.23
7	728.41	2789.14	1.05	2.59	2809.74	2.50	52485.60	4453.21
8	-1721.15	2789.14	0.84	2.61	2852.81	2.50	44021.90	4702.54
9	546.26	-1952.90	1.21	2.58	1967.07	2.50	59256.50	4370.69
10	-1539.00	-1952.90	0.94	2.60	2006.22	2.50	48662.90	4619.13
11	546.26	2466.29	1.20	2.58	2479.61	2.50	58544.00	4329.55
12	-1539.00	2466.29	1.07	2.59	2515.32	2.50	54184.10	4536.02
13	546.26	-1952.90	1.05	2.59	1968.41	2.50	52387.20	4453.21
14	-1539.00	-1952.90	0.84	2.61	2010.22	2.50	43939.40	4702.54
15	546.26	2466.29	1.21	2.58	2480.27	2.50	59355.70	4370.69
16	-1539.00	2466.29	0.94	2.60	2519.29	2.50	48744.30	4619.13
17	147.32	-992.70	1.21	2.58	996.35	2.50	59256.50	4370.69
18	-1140.06	-992.70	0.49	2.67	1065.14	2.50	29645.70	5552.25
19	147.32	1506.09	1.30	2.57	1509.10	2.50	62331.30	4247.49
20	-1140.06	1506.09	0.63	2.63	1560.21	2.50	35167.80	5039.06
21	147.32	-992.70	1.05	2.59	996.67	2.50	52432.60	4453.21
22	-1140.06	-992.70	0.49	2.67	1065.14	2.50	29721.00	5552.25
23	147.32	1506.09	1.30	2.57	1509.25	2.50	63013.00	4288.48
24	-1140.06	1506.09	0.63	2.63	1560.21	2.50	35257.20	5039.06

25	-532.90	429.91	0.94	2.60	448.53	2.50	48662.90	4619.13
26	-459.84	429.91	1.30	2.54	424.56	2.50	57896.80	3902.17
27	-532.90	83.48	0.63	2.63	57.23	2.50	35167.80	5039.06
28	-459.84	83.48	1.30	2.55	90.21	2.50	59070.50	3993.03
29	-532.90	429.91	0.84	2.61	449.94	2.50	43866.00	4702.54
30	-459.84	429.91	1.30	2.54	424.24	2.50	58157.70	3922.33
31	-532.90	83.48	0.61	2.65	54.30	2.50	34694.10	5209.02
32	-459.84	83.48	1.30	2.55	90.36	2.50	59200.90	4003.15
33	-768.29	2413.43	1.21	2.58	2434.43	2.50	59950.10	4411.91
34	1681.27	2413.43	0.78	2.62	2484.46	2.50	42087.90	4870.22
35	-768.29	-2651.47	1.30	2.57	2668.57	2.50	62331.30	4247.49
36	1681.27	-2651.47	0.94	2.60	2709.40	2.50	48662.90	4619.13
37	-768.29	2413.43	1.06	2.59	2436.33	2.50	53483.40	4494.58
38	1681.27	2413.43	0.63	2.63	2493.01	2.50	35314.90	5039.06
39	-768.29	-2651.47	1.30	2.57	2669.53	2.50	63116.20	4288.48
40	1681.27	-2651.47	0.84	2.61	2713.71	2.50	44049.50	4702.54
41	-586.14	2090.57	1.21	2.58	2105.78	2.50	59256.50	4370.69
42	1499.12	2090.57	0.78	2.62	2153.97	2.50	42087.90	4870.22
43	-586.14	-2328.62	1.30	2.57	2341.58	2.50	62331.30	4247.49
44	1499.12	-2328.62	1.07	2.59	2376.42	2.50	54184.10	4536.02
45	-586.14	2090.57	1.05	2.59	2107.21	2.50	52420.20	4453.21
46	1499.12	2090.57	0.63	2.63	2161.61	2.50	35248.80	5039.06
47	-586.14	-2328.62	1.30	2.57	2342.30	2.50	62998.00	4288.48
48	1499.12	-2328.62	0.94	2.60	2380.29	2.50	48775.00	4619.13
49	-187.20	1130.37	1.21	2.58	1135.06	2.50	59256.50	4370.69
50	1100.18	1130.37	1.02	0.87	1304.24	2.50	93838.90	2755.55
51	-187.20	-1368.42	1.30	2.55	1371.07	2.50	59200.90	4003.15
52	1100.18	-1368.42	0.78	2.62	1415.10	2.50	42087.90	4870.22
53	-187.20	1130.37	1.05	2.59	1135.48	2.50	52465.60	4453.21
54	1100.18	1130.37	1.02	0.87	1304.24	2.50	94136.60	2755.55
55	-187.20	-1368.42	1.30	2.55	1371.18	2.50	59650.40	4023.41
56	1100.18	-1368.42	0.63	2.63	1420.75	2.50	35279.30	5039.06
57	493.02	-292.24	0.94	2.60	309.53	2.50	48662.90	4619.13
58	419.96	-292.24	1.30	2.52	290.52	2.50	55028.20	3681.77
59	493.02	54.20	1.02	0.87	138.99	2.50	93838.90	2755.55
60	419.96	54.20	1.30	2.54	49.83	2.50	57440.40	3866.95
61	493.02	-292.24	0.94	2.60	309.53	2.50	48683.40	4619.13
62	419.96	-292.24	1.30	2.53	289.95	2.50	55573.20	3721.66
63	493.02	54.20	1.02	0.87	138.99	2.50	93878.60	2755.55
64	419.96	54.20	1.30	2.54	49.76	2.50	57529.90	3871.98
65	-16.59	65.86	1.31	0.66	67.47	2.50	103819.00	1790.52
66	-59.00	153.16	0.71	1.30	163.21	2.50	82109.20	5195.96
67	-32.59	97.64	1.02	0.87	101.82	2.50	93838.90	2755.55
68	-43.01	121.38	1.02	0.87	127.00	2.50	93838.90	2755.55
69	248.57	-769.99	1.21	2.58	776.49	2.50	88884.80	5026.30
70	-628.15	-769.99	0.49	2.67	809.43	2.50	44468.50	6385.09
71	248.57	1041.61	1.30	2.55	1045.54	2.50	89583.90	4650.23
72	-628.15	1041.61	0.94	2.60	1063.22	2.50	72994.30	5312.00
73	248.57	-769.99	1.30	2.57	775.23	2.50	92728.00	4837.56
74	-628.15	-769.99	0.49	2.67	809.43	2.50	44475.10	6385.09
75	248.57	1041.61	1.30	2.55	1045.54	2.50	89597.10	4650.23
76	-628.15	1041.61	0.94	2.60	1063.22	2.50	73005.00	5312.00
77	180.22	-648.97	1.30	2.56	652.52	2.50	91931.60	4790.60
78	-559.80	-648.97	0.61	2.65	678.52	2.50	52041.10	5990.37
79	180.22	920.59	1.30	2.55	923.18	2.50	88801.40	4603.63
80	-559.80	920.59	0.94	2.60	939.85	2.50	72994.30	5312.00
81	180.22	-648.97	1.30	2.56	652.52	2.50	91931.60	4790.60
82	-559.80	-648.97	0.61	2.65	678.52	2.50	52041.10	5990.37
83	180.22	920.59	1.30	2.55	923.24	2.50	88997.00	4615.27
84	-559.80	920.59	0.94	2.60	939.85	2.50	72994.30	5312.00
85	45.39	-319.49	1.30	2.53	319.81	2.50	84302.50	4337.39
86	-424.97	-319.49	0.44	2.12	469.16	2.50	106437.00	13608.60
87	45.39	591.11	1.30	2.52	591.22	2.50	81588.80	4178.24
88	-424.97	591.11	0.61	2.65	613.39	2.50	52041.10	5990.37
89	45.39	-319.49	1.30	2.53	319.81	2.50	84302.50	4337.39
90	-424.97	-319.49	0.44	2.12	469.16	2.50	106437.00	13608.60
91	45.39	591.11	1.30	2.52	591.21	2.50	81564.40	4176.81
92	-424.97	591.11	0.49	2.67	617.64	2.50	44468.50	6385.09
93	-197.12	187.69	0.63	2.63	197.13	2.50	52751.60	5794.91
94	-182.46	187.69	1.30	2.53	188.93	2.50	84106.90	4325.88
95	-197.12	83.93	0.38	2.51	25.87	2.50	104890.00	18203.40
96	-182.46	83.93	1.30	2.57	80.06	2.50	92323.00	4814.07
97	-197.12	187.69	0.63	2.63	197.13	2.50	52751.60	5794.91
98	-182.46	187.69	1.30	2.53	188.93	2.50	84106.90	4325.88
99	-197.12	83.93	0.38	2.51	25.87	2.50	104890.00	18203.40
100	-182.46	83.93	1.30	2.57	79.93	2.50	92714.30	4837.56
101	-288.45	-903.94	1.30	2.57	897.64	2.50	92323.00	4814.07
102	588.27	-903.94	0.40	2.72	849.23	2.50	40326.40	7189.06
103	-288.45	907.67	1.30	2.55	903.44	2.50	88410.20	4580.36

104	588.27	907.67	0.94	2.60	886.25	2.50	72994.30	5312.00
105	-288.45	-903.94	1.30	2.57	897.43	2.50	92741.90	4837.56
106	588.27	-903.94	0.40	2.72	849.23	2.50	40338.40	7189.06
107	-288.45	907.67	1.30	2.55	903.44	2.50	88436.40	4580.36
108	588.27	907.67	0.94	2.60	886.25	2.50	73016.00	5312.00
109	-220.09	-782.91	1.30	2.56	778.25	2.50	91931.60	4790.60
110	519.92	-782.91	0.40	2.72	734.62	2.50	40326.40	7189.06
111	-220.09	786.64	1.30	2.55	783.57	2.50	88018.90	4557.11
112	519.92	786.64	1.07	2.59	769.21	2.50	81276.10	5216.42
113	-220.09	-782.91	1.30	2.56	778.25	2.50	91931.60	4790.60
114	519.92	-782.91	0.40	2.72	734.62	2.50	40326.40	7189.06
115	-220.09	786.64	1.30	2.55	783.57	2.50	88018.90	4557.11
116	519.92	786.64	0.94	2.60	767.72	2.50	72994.30	5312.00
117	-85.27	-453.44	1.30	2.52	453.27	2.50	81271.00	4159.68
118	385.10	-453.44	0.31	3.23	99.82	2.50	101710.00	28255.60
119	-85.27	457.16	1.30	5.03	457.07	2.50	80782.00	8253.85
120	385.10	457.16	0.61	2.65	435.49	2.50	52041.10	5990.37
121	-85.27	-453.44	1.30	2.52	453.27	2.50	81302.20	4161.10
122	385.10	-453.44	0.31	3.23	99.82	2.50	101719.00	28255.60
123	-85.27	457.16	1.30	5.03	457.10	2.50	80593.20	8233.87
124	385.10	457.16	0.61	2.65	435.49	2.50	52045.50	5990.37
125	157.24	53.74	0.78	2.62	46.83	2.50	63131.80	5600.76
126	142.58	53.74	1.30	2.54	52.35	2.50	85769.50	4423.87
127	157.24	-50.01	0.10	3.43	111.17	2.50	41336.50	37473.10
128	142.58	-50.01	1.02	0.87	24.49	2.50	140758.00	3168.89
129	157.24	53.74	0.78	2.62	46.83	2.50	63131.80	5600.76
130	142.58	53.74	1.30	2.54	52.35	2.50	85769.50	4423.87
131	157.24	-50.01	0.10	3.43	111.17	2.50	41336.50	37473.10
132	142.58	-50.01	1.02	0.87	24.49	2.50	140758.00	3168.89

Verifiche stato limite d'esercizio

Caso	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ_c <daN/cmq>	σ_f <daN/cmq>
133	927.10	-810.14	-135.06	11.31	2.26	8.88	325.03
134	856.62	-639.34	-79.00	12.44	1.13	6.17	251.43
135	921.45	-734.06	-108.36	11.31	2.26	7.66	293.64
136	862.26	-715.42	-105.71	11.31	2.26	7.45	282.57
137	742.90	-663.88	-113.64	11.31	2.26	7.35	266.61
138	672.42	-493.07	-57.58	12.44	1.13	4.64	193.00
139	737.26	-587.80	-86.94	11.31	2.26	6.14	235.19
140	678.07	-569.15	-84.29	11.31	2.26	5.93	224.11

Verifiche stato limite di formazione delle fessure

Caso	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	σ <mm>	s <mm>	K3	s_{rm} <mm>	Φ	A_s <cmq>	$A_{c\ eff}$ <cmq>	σ_s <daN/cmq>	σ_{sr} <daN/cmq>	ε_{sm}	Wk <mm>
137		SLE Q	742.90	-113.64	-663.88	33.00	122.00	0.13	172.09	12.00	2.26	307.97	266.61	3703.29	0.05	0.02
138		SLE Q	672.42	-57.58	-493.07	33.00	122.00	0.14	180.86	12.00	2.26	307.97	193.00	4162.13	0.04	0.01
139		SLE Q	737.26	-86.94	-587.80	33.00	122.00	0.13	172.09	12.00	2.26	307.97	235.19	3899.72	0.05	0.01
140		SLE Q	678.07	-84.29	-569.15	33.00	122.00	0.13	172.09	12.00	2.26	307.97	224.11	3860.39	0.04	0.01
141		SLE F	795.53	-119.76	-705.67	33.00	122.00	0.13	172.09	12.00	2.26	307.97	283.30	3714.75	0.06	0.02
142		SLE F	725.05	-63.70	-534.86	33.00	122.00	0.14	180.10	12.00	2.26	307.97	209.69	4140.76	0.04	0.01
143		SLE F	789.89	-93.06	-629.59	33.00	122.00	0.13	172.09	12.00	2.26	307.97	251.89	3900.46	0.05	0.01
144		SLE F	730.69	-90.41	-610.94	33.00	122.00	0.13	172.09	12.00	2.26	307.97	240.81	3863.85	0.05	0.01

Verifiche principali

Caso	Tipo
3	SLU Taglio - min. sic. acciaio
38	SLU Taglio - min. sic. c.a.
44	SLU N cost - min. sic.
71	SLD Taglio - min. sic. acciaio
102	SLD Taglio - min. sic. c.a.
112	SLD N cost - min. sic.
133	C.Rare - Sc min (max compr.),C.Rare - Sf max (max traz.),C.Rare - Sf min (max compr.)
134	C.Rare - Sc max (min. compr.)
137	C.Q.Per. - Sc min (max compr.),C.Q.Per. - Sf max (max traz.),C.Q.Per. - Sf min (max compr.),C.Q.Per. - Wk Max
138	C.Q.Per. - Sc max (min. compr.)
141	C.Freq - Wk Max

sez2

Sezione degli elementi bidimensionali n. 105

Verifiche stato limite ultimo per tensioni normali

Caso	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	Myu <daNm>	Mzu <daNm>	Rott.	α <grad>	ε_c	TS	Sic.
1		SLV	20745.60	835.24	5675.08	20752.00	2311.91	15875.80	2-3	170.00	-3.50	N/e	2.797
2		SLV	20745.60	835.24	-4133.98	20748.10	2576.80	-12813.30	2-3	183.13	-3.50	N/e	3.099
3		SLV	20745.60	-756.12	5675.08	20749.10	-2180.89	16584.80	2-3	15.00	-3.50	N/e	2.922
4		SLV	20745.60	-756.12	-4133.98	20750.00	-2474.80	-14213.30	2-3	355.00	-3.50	N/e	3.433
5		SLV	-17699.20	835.24	5675.08	-17699.20	4408.76	29042.40	2-3	170.00	-3.50	N/e	5.121

6		SLV	-17699.20	835.24	-4133.98	-17699.20	4933.02	-24316.60	2-3	185.63	-3.50	N/e	5.883
7		SLV	-17699.20	-756.12	5675.08	-17699.20	-4066.78	30771.70	2-3	12.50	-3.50	N/e	5.421
8		SLV	-17699.20	-756.12	-4133.98	-17699.40	-4724.50	-26776.20	2-3	352.50	-3.50	N/e	6.470
9		SLV	19858.60	816.40	5571.18	19860.50	2368.04	16256.70	2-3	170.00	-3.50	N/e	2.918
10		SLV	19858.60	816.40	-4030.08	19862.60	2641.20	-13047.40	2-3	183.13	-3.50	N/e	3.237
11		SLV	19858.60	-737.29	5571.18	19862.50	-2230.27	16987.10	2-3	15.00	-3.50	N/e	3.049
12		SLV	19858.60	-737.29	-4030.08	19866.20	-2536.01	-14496.40	2-3	355.00	-3.50	N/e	3.592
13		SLV	-16812.20	816.40	5571.18	-16812.20	4372.82	28765.20	2-3	170.00	-3.50	N/e	5.167
14		SLV	-16812.20	816.40	-4030.08	-16812.20	4878.97	-24157.10	2-3	185.63	-3.50	N/e	5.994
15		SLV	-16812.20	-737.29	5571.18	-16812.20	-4034.03	30479.00	2-3	12.50	-3.50	N/e	5.471
16		SLV	-16812.20	-737.29	-4030.08	-16812.30	-4674.95	-26587.60	2-3	352.50	-3.50	N/e	6.589
17		SLV	8635.22	306.83	2399.49	8643.30	2824.01	21822.20	2-3	165.00	-3.50	N/e	9.096
18		SLV	8635.22	306.83	-858.39	8641.30	3667.91	-10468.50	2-3	181.48	-3.50	N/e	12.168
19		SLV	8635.22	-227.71	2399.49	8636.83	-2273.79	23312.50	2-3	25.00	-3.50	N/e	9.718
20		SLV	8635.22	-227.71	-858.39	8639.26	-3548.25	-13446.70	2-3	357.81	-3.50	N/e	15.660
21		SLV	-5588.83	306.83	2399.49	-5588.84	3371.69	27504.10	2-3	165.00	-3.50	N/e	11.455
22		SLV	-5588.83	306.83	-858.39	-5588.85	4619.40	-13055.00	2-3	181.88	-3.50	N/e	15.191
23		SLV	-5588.83	-227.71	2399.49	-5588.83	-2946.55	28887.70	2-3	20.00	-3.50	N/e	12.047
24		SLV	-5588.83	-227.71	-858.39	-5588.83	-4473.42	-16844.60	2-3	357.19	-3.50	N/e	19.625
25		SLV	-2632.11	-164.93	-512.06	-2632.13	-4384.71	-13757.30	2-3	357.97	-3.50	N/e	26.840
26		SLV	-2632.11	-164.93	2053.16	-2632.13	-2193.17	29235.90	2-3	30.00	-3.50	N/e	14.234
27		SLV	-2632.11	244.05	-512.06	-2632.12	4526.65	-9529.53	2-3	181.25	-3.50	N/e	18.599
28		SLV	-2632.11	244.05	2053.16	-2632.12	3271.10	26326.40	2-3	165.00	-3.50	N/e	12.831
29		SLV	5678.51	-164.93	-512.06	5683.94	-3841.49	-11864.80	2-3	358.28	-3.50	N/e	23.182
30		SLV	5678.51	-164.93	2053.16	5680.29	-2076.82	25222.80	2-3	30.00	-3.50	N/e	12.287
31		SLV	5678.51	244.05	-512.06	5678.51	3965.34	-8407.17	2-3	181.09	-3.50	N/e	16.387
32		SLV	5678.51	244.05	2053.16	5681.13	2789.12	23617.50	2-3	162.50	-3.50	N/e	11.502
33		SLV	18963.20	829.10	5009.50	18968.00	2503.54	15882.80	2-3	172.50	-3.50	N/e	3.167
34		SLV	18963.20	829.10	-4799.56	18968.60	2598.11	-14783.20	2-3	185.00	-3.50	N/e	3.082
35		SLV	18963.20	-762.26	5009.50	18968.70	-2423.28	16632.70	2-3	10.00	-3.50	N/e	3.317
36		SLV	18963.20	-762.26	-4799.56	18968.00	-2503.54	-15882.80	2-3	352.50	-3.50	N/e	3.309
37		SLV	-19481.60	829.10	5009.50	-19481.60	4679.93	28520.80	2-3	171.25	-3.50	N/e	5.692
38		SLV	-19481.60	829.10	-4799.56	-19481.60	4824.04	-27152.50	2-3	187.50	-3.50	N/e	5.662
39		SLV	-19481.60	-762.26	5009.50	-19481.70	-4480.06	29594.30	2-3	10.00	-3.50	N/e	5.907
40		SLV	-19481.60	-762.26	-4799.56	-19481.70	-4480.06	-29594.30	2-3	350.00	-3.50	N/e	6.159
41		SLV	18076.20	810.26	4905.60	18076.20	2561.84	16196.70	2-3	172.50	-3.50	N/e	3.298
42		SLV	18076.20	810.26	-4695.66	18085.20	2659.16	-15065.10	2-3	185.00	-3.50	N/e	3.210
43		SLV	18076.20	-743.42	4905.60	18085.10	-2477.85	16961.20	2-3	10.00	-3.50	N/e	3.455
44		SLV	18076.20	-743.42	-4695.66	18076.20	-2561.84	-16196.70	2-3	352.50	-3.50	N/e	3.449
45		SLV	-18594.60	810.26	4905.60	-18594.60	4641.97	28259.90	2-3	171.25	-3.50	N/e	5.760
46		SLV	-18594.60	810.26	-4695.66	-18599.30	4774.76	-26966.70	2-3	187.50	-3.50	N/e	5.747
47		SLV	-18594.60	-743.42	4905.60	-18595.80	-4444.79	29320.90	2-3	10.00	-3.50	N/e	5.977
48		SLV	-18594.60	-743.42	-4695.66	-18595.80	-4444.79	-29320.90	2-3	350.00	-3.50	N/e	6.238
49		SLV	6852.80	300.69	1733.91	6856.81	3348.05	19354.00	2-3	173.75	-3.50	N/e	11.161
50		SLV	6852.80	300.69	-1523.97	6857.21	3465.48	-17674.20	2-3	184.38	-3.50	N/e	11.595
51		SLV	6852.80	-233.85	1733.91	6856.53	-2913.59	22524.40	2-3	15.00	-3.50	N/e	12.981
52		SLV	6852.80	-233.85	-1523.97	6856.29	-3150.53	-21095.00	2-3	350.00	-3.50	N/e	13.834
53		SLV	-7371.25	300.69	1733.91	-7371.25	4135.93	24155.40	2-3	172.50	-3.50	N/e	13.926
54		SLV	-7371.25	300.69	-1523.97	-7371.24	4353.36	-21528.80	2-3	185.00	-3.50	N/e	14.140
55		SLV	-7371.25	-233.85	1733.91	-7371.24	-3680.27	27288.00	2-3	12.50	-3.50	N/e	15.738
56		SLV	-7371.25	-233.85	-1523.97	-7371.25	-3938.38	-25860.10	2-3	350.00	-3.50	N/e	16.966
57		SLV	-4414.53	-171.07	-1177.64	-4414.54	-3778.60	-24971.30	2-3	350.00	-3.50	N/e	21.223
58		SLV	-4414.53	-171.07	1387.58	-4414.53	-3332.26	27038.00	2-3	15.00	-3.50	N/e	19.486
59		SLV	-4414.53	237.91	-1177.64	-4414.53	4163.22	-20993.90	2-3	185.00	-3.50	N/e	17.814
60		SLV	-4414.53	237.91	1387.58	-4414.54	3961.93	23342.30	2-3	172.50	-3.50	N/e	16.817
61		SLV	3896.09	-171.07	-1177.64	3903.28	-3318.98	-22164.80	2-3	350.00	-3.50	N/e	18.834
62		SLV	3896.09	-171.07	1387.58	3904.92	-3041.63	23698.80	2-3	15.00	-3.50	N/e	17.090
63		SLV	3896.09	237.91	-1177.64	3904.56	3665.14	-18351.60	2-3	184.38	-3.50	N/e	15.576
64		SLV	3896.09	237.91	1387.58	3899.42	3460.64	21021.80	2-3	172.50	-3.50	N/e	15.133
65		SLU	1480.45	46.66	815.67	1482.59	1600.12	28125.70	2-3	140.00	-3.50	N/e	34.481
66		SLU	786.29	75.75	637.03	795.90	3151.95	24952.50	2-3	165.00	-3.50	N/e	39.205
67		SLU	1118.82	61.17	731.67	1120.21	2145.43	27430.50	2-3	150.00	-3.50	N/e	37.474
68		SLU	1147.92	61.23	721.03	1149.27	2145.02	27416.40	2-3	150.00	-3.50	N/e	38.004
69		SLD	7809.69	321.32	2305.17	7814.10	3632.22	26217.90	2-3	167.50	-3.50	N/e	11.372
70		SLD	7809.69	321.32	-1192.37	7809.70	4418.39	-15910.00	2-3	181.88	-3.50	N/e	13.371
71		SLD	7809.69	-246.15	2305.17	7814.81	-2927.51	28516.40	2-3	25.00	-3.50	N/e	12.365
72		SLD	7809.69	-246.15	-1192.37	7811.58	-4173.13	-20884.20	2-3	356.25	-3.50	N/e	17.492
73		SLD	-5910.27	321.32	2305.17	-5910.27	4382.61	31658.60	2-3	167.50	-3.50	N/e	13.732
74		SLD	-5910.27	321.32	-1192.37	-5910.26	5319.34	-20362.90	2-3	182.50	-3.50	N/e	17.043
75		SLD	-5910.27	-246.15	2305.17	-5916.71	-3674.40	34169.60	2-3	20.00	-3.50	N/e	14.824
76		SLD	-5910.27	-246.15	-1192.37	-5910.43	-5142.19	-24037.60	2-3	356.25	-3.50	N/e	20.190
77		SLD	7479.38	314.46	2267.60	7487.99	3524.21	27089.20	2-3	165.00	-3.50	N/e	11.933
78		SLD	7479.38	314.46	-1154.79	7479.38	4443.42	-15950.60	2-3	181.88	-3.50	N/e	13.835
79		SLD	7479.38	-239.30	2267.60	7484.93	-2936.71	28677.60	2-3	25.00	-3.50	N/e	12.643
80		SLD	7479.38	-239.30	-1154.79	7481.63	-4196.55	-20964.40	2-3	356.25	-3.50	N/e	18.129
81		SLD	-5579.96	314.46	2267.60	-5579.95	4365.65	31529.30	2-3	167.50	-3.50	N/e	13.904
82		SLD	-5579.96	314.46	-1154.79	-5579.96	5321.57	-19685.10	2-3	182.34	-3.50	N/e	17.038
83		SLD	-5579.96	-239.30	2267.60	-5589.29	-3663.76	34028.00	2-3	20.00	-3.50	N/e	15.010
84		SLD	-5579.96	-239.30	-1154.79	-5579.96	-5119.32	-23980.50	2-3	356.25	-3.50	N/e	20.792

85	SLD	3508.67	133.10	1138.03	3513.39	3370.80	29893.20	2-3	160.00	-3.50	N/e	26.255
86	SLD	3508.67	133.10	-25.22	3517.43	5147.64	-986.00	2-3	180.12	-3.50	N/e	38.690
87	SLD	3508.67	-57.93	1138.03	3508.69	-1576.07	32913.70	2-3	50.00	-3.50	N/e	28.918
88	SLD	3508.67	-57.93	-25.22	3516.85	-5200.66	-2248.66	2-3	359.84	-3.50	N/e	89.673
89	SLD	-1609.25	133.10	1138.03	-1609.26	3531.91	32304.80	2-3	160.00	-3.50	N/e	28.363
90	SLD	-1609.25	133.10	-25.22	-1609.96	5508.31	-1039.33	2-3	180.12	-3.50	N/e	41.379
91	SLD	-1609.25	-57.93	1138.03	-1609.27	-1575.53	35647.40	2-3	50.00	-3.50	N/e	31.314
92	SLD	-1609.25	-57.93	-25.22	-1609.31	-5556.04	-2433.15	2-3	359.86	-3.50	N/e	95.995
93	SLD	-508.23	-35.08	100.04	-508.64	-5126.27	15018.40	2-3	1.56	-3.50	N/e	>100
94	SLD	-508.23	-35.08	1012.77	-508.26	-1123.72	35409.00	2-3	60.00	-3.50	N/e	34.959
95	SLD	-508.23	110.25	100.04	-508.23	5453.05	4863.05	2-3	179.59	-3.50	N/e	49.079
96	SLD	-508.23	110.25	1012.77	-508.23	3497.83	31788.40	2-3	160.00	-3.50	N/e	31.392
97	SLD	2407.65	-35.08	100.04	2408.77	-4925.60	14221.30	2-3	1.48	-3.50	N/e	>100
98	SLD	2407.65	-35.08	1012.77	2409.26	-1128.24	33847.00	2-3	60.00	-3.50	N/e	33.419
99	SLD	2407.65	110.25	100.04	2414.43	5236.24	4778.48	2-3	179.58	-3.50	N/e	47.617
100	SLD	2407.65	110.25	1012.77	2414.40	3405.97	30412.80	2-3	160.00	-3.50	N/e	30.040
101	SLD	7174.24	319.13	2067.89	7174.25	3801.32	25577.80	2-3	170.00	-3.50	N/e	12.359
102	SLD	7174.24	319.13	-1429.65	7179.20	4282.48	-19935.70	2-3	183.13	-3.50	N/e	13.920
103	SLD	7174.24	-248.34	2067.89	7183.84	-3251.62	28152.10	2-3	20.00	-3.50	N/e	13.607
104	SLD	7174.24	-248.34	-1429.65	7176.68	-4111.96	-22597.00	2-3	355.00	-3.50	N/e	15.829
105	SLD	-6545.71	319.13	2067.89	-6545.71	4605.33	30765.30	2-3	170.00	-3.50	N/e	14.867
106	SLD	-6545.71	319.13	-1429.65	-6545.71	5186.14	-24147.00	2-3	183.75	-3.50	N/e	16.860
107	SLD	-6545.71	-248.34	2067.89	-6545.72	-4163.46	32891.00	2-3	15.00	-3.50	N/e	15.918
108	SLD	-6545.71	-248.34	-1429.65	-6545.71	-4811.94	-28946.90	2-3	352.50	-3.50	N/e	20.223
109	SLD	6843.93	312.28	2030.31	6843.94	3821.22	25704.60	2-3	170.00	-3.50	N/e	12.651
110	SLD	6843.93	312.28	-1392.07	6849.64	4306.28	-20008.40	2-3	183.13	-3.50	N/e	14.346
111	SLD	6843.93	-241.49	2030.31	6845.92	-3262.73	28313.00	2-3	20.00	-3.50	N/e	13.939
112	SLD	6843.93	-241.49	-1392.07	6843.97	-4134.77	-22687.00	2-3	355.00	-3.50	N/e	16.322
113	SLD	-6215.40	312.28	2030.31	-6215.41	4586.61	30642.50	2-3	170.00	-3.50	N/e	15.083
114	SLD	-6215.40	312.28	-1392.07	-6215.43	5244.55	-22520.20	2-3	183.13	-3.50	N/e	16.207
115	SLD	-6215.40	-241.49	2030.31	-6215.40	-4150.79	32753.90	2-3	15.00	-3.50	N/e	16.148
116	SLD	-6215.40	-241.49	-1392.07	-6215.42	-4791.49	-28847.40	2-3	352.50	-3.50	N/e	20.697
117	SLD	2873.22	130.91	900.74	2878.74	4059.98	27220.90	2-3	170.00	-3.50	N/e	30.237
118	SLD	2873.22	130.91	-262.50	2879.50	5030.78	-9907.35	2-3	180.98	-3.50	N/e	37.880
119	SLD	2873.22	-60.12	900.74	2876.23	-2138.40	32536.90	2-3	40.00	-3.50	N/e	36.120
120	SLD	2873.22	-60.12	-262.50	2874.09	-4593.26	-20856.40	2-3	356.88	-3.50	N/e	79.302
121	SLD	-2244.69	130.91	900.74	-2244.72	4359.84	29159.40	2-3	170.00	-3.50	N/e	32.392
122	SLD	-2244.69	130.91	-262.50	-2244.69	5396.41	-11039.70	2-3	181.06	-3.50	N/e	41.891
123	SLD	-2244.69	-60.12	900.74	-2244.70	-2188.82	35133.90	2-3	40.00	-3.50	N/e	38.994
124	SLD	-2244.69	-60.12	-262.50	-2244.69	-4962.59	-21887.10	2-3	356.88	-3.50	N/e	83.337
125	SLD	-1143.67	-37.27	-137.25	-1143.68	-5028.92	-18626.20	2-3	357.81	-3.50	N/e	>100
126	SLD	-1143.67	-37.27	775.49	-1143.68	-1575.66	35400.20	2-3	50.00	-3.50	N/e	45.642
127	SLD	-1143.67	108.06	-137.25	-1143.68	5441.63	-6981.14	2-3	180.63	-3.50	N/e	50.671
128	SLD	-1143.67	108.06	775.49	-1143.67	4129.22	29781.70	2-3	167.50	-3.50	N/e	38.400
129	SLD	1772.20	-37.27	-137.25	1780.18	-4814.61	-18266.30	2-3	357.81	-3.50	N/e	>100
130	SLD	1772.20	-37.27	775.49	1781.28	-1576.14	33839.90	2-3	50.00	-3.50	N/e	43.634
131	SLD	1772.20	108.06	-137.25	1772.22	5227.96	-6639.35	2-3	180.62	-3.50	N/e	48.376
132	SLD	1772.20	108.06	775.49	1781.23	3969.84	28622.90	2-3	167.50	-3.50	N/e	36.906

Verifiche stato limite ultimo per sollecitazioni taglianti

Caso	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRcd <daN>	VRsd <daN>
1	-14786.60	237.90	1.02	1.16	2801.96	2.50	93838.70	3674.07
2	13761.20	237.90	0.61	3.53	987.74	2.50	34693.80	6945.35
3	-14786.60	-139.52	0.71	1.73	3961.83	2.50	82109.10	6927.94
4	13761.20	-139.52	0.40	3.63	1338.36	2.50	26884.10	8335.13
5	-14786.60	237.90	1.02	1.16	2801.96	2.50	97719.20	3674.07
6	13761.20	237.90	0.35	3.66	1585.59	2.50	25292.70	8809.19
7	-14786.60	-139.52	0.82	1.45	3336.63	2.50	89102.20	5191.44
8	13761.20	-139.52	1.31	0.87	1934.53	2.50	108113.00	2387.36
9	-14373.60	218.83	1.02	1.16	2711.45	2.50	93838.70	3674.07
10	13348.20	218.83	0.61	3.53	946.17	2.50	34693.80	6945.35
11	-14373.60	-120.44	0.71	1.73	3836.50	2.50	82109.10	6927.94
12	13348.20	-120.44	0.40	3.63	1283.36	2.50	26884.10	8335.13
13	-14373.60	218.83	1.02	1.16	2711.45	2.50	97524.70	3674.07
14	13348.20	218.83	0.35	3.66	1526.12	2.50	25242.40	8809.19
15	-14373.60	-120.44	0.82	1.45	3228.60	2.50	88924.90	5191.44
16	13348.20	-120.44	1.31	0.87	1861.70	2.50	107897.00	2387.36
17	-5421.34	134.74	0.71	1.73	1533.29	2.50	82109.10	6927.94
18	4395.93	134.74	1.20	3.44	248.57	2.50	58543.50	5772.73
19	-5421.34	-36.35	0.44	2.83	2324.11	2.50	70957.80	15778.00
20	4395.93	-36.35	0.84	3.48	204.12	2.50	43865.60	6270.04
21	-5421.34	134.74	0.71	1.73	1533.29	2.50	83181.30	6927.94
22	4395.93	134.74	1.07	3.46	278.50	2.50	54891.10	6048.02
23	-5421.34	-36.35	0.54	2.29	1888.37	2.50	76855.00	11003.90
24	4395.93	-36.35	0.63	3.51	252.01	2.50	35626.70	6718.73
25	3019.11	27.23	0.94	3.47	79.79	2.50	48961.70	6158.83
26	-4044.52	27.23	0.09	4.58	1998.67	1.83	21095.30	21095.30
27	3019.11	71.15	1.30	3.42	136.99	2.50	62189.60	5608.76

28	-4044.52	71.15	0.71	1.73	1115.52	2.50	82614.00	6927.94
29	3019.11	27.23	1.05	3.45	63.33	2.50	52299.20	5937.60
30	-4044.52	27.23	0.09	4.58	1998.67	1.82	21011.30	21011.40
31	3019.11	71.15	1.30	3.41	128.77	2.50	60765.90	5499.96
32	-4044.52	71.15	0.61	2.02	1284.07	2.50	77548.00	8870.35
33	-14671.40	252.23	1.31	0.87	2165.07	2.50	103819.00	2387.36
34	13876.50	252.23	0.40	3.63	1460.69	2.50	26884.10	8335.13
35	-14671.40	-125.19	1.02	1.16	2670.94	2.50	93838.70	3674.07
36	13876.50	-125.19	1.31	0.87	1935.37	2.50	103819.00	2387.36
37	-14671.40	252.23	1.18	1.02	2481.15	2.50	105672.00	3001.23
38	13876.50	252.23	1.31	0.87	2061.32	2.50	108545.00	2387.36
39	-14671.40	-125.19	1.02	1.16	2670.94	2.50	98110.00	3674.07
40	13876.50	-125.19	1.02	1.16	2532.92	2.50	98110.00	3674.07
41	-14258.30	233.16	1.31	0.87	2092.24	2.50	103819.00	2387.36
42	13463.50	233.16	0.40	3.63	1405.69	2.50	26884.10	8335.13
43	-14258.30	-106.11	1.02	1.16	2580.43	2.50	93838.70	3674.07
44	13463.50	-106.11	1.31	0.87	1862.54	2.50	103819.00	2387.36
45	-14258.30	233.16	1.18	1.02	2399.46	2.50	105463.00	3001.23
46	13463.50	233.16	1.31	0.87	1988.50	2.50	108330.00	2387.36
47	-14258.30	-106.11	1.02	1.16	2580.43	2.50	97915.50	3674.07
48	13463.50	-106.11	1.02	1.16	2442.41	2.50	97915.50	3674.07
49	-5306.05	149.07	0.30	3.70	725.83	2.50	22124.50	9288.27
50	4511.22	149.07	0.47	3.60	492.77	2.50	30103.00	7866.32
51	-5306.05	-22.02	0.71	1.73	1394.58	2.50	82109.10	6927.94
52	4511.22	-22.02	1.02	1.16	805.05	2.50	93838.70	3674.07
53	-5306.05	149.07	1.31	0.87	840.37	2.50	105607.00	2387.36
54	4511.22	149.07	0.40	3.63	541.68	2.50	27347.10	8335.13
55	-5306.05	-22.02	0.82	1.45	1169.94	2.50	87037.50	5191.44
56	4511.22	-22.02	1.02	1.16	805.05	2.50	95454.80	3674.07
57	3134.40	41.56	1.02	1.16	503.35	2.50	94806.60	3674.07
58	-3929.23	41.56	0.71	1.73	976.81	2.50	82956.00	6927.94
59	3134.40	85.48	0.40	3.63	358.33	2.50	27161.40	8335.13
60	-3929.23	85.48	1.31	0.87	597.62	2.50	104890.00	2387.36
61	3134.40	41.56	1.02	1.16	503.35	2.50	93838.70	3674.07
62	-3929.23	41.56	0.71	1.73	976.81	2.50	82109.10	6927.94
63	3134.40	85.48	0.47	3.60	324.33	2.50	30103.00	7866.32
64	-3929.23	85.48	1.31	0.87	597.62	2.50	103819.00	2387.36
65	-1042.65	93.90	0.08	4.72	742.14	1.66	23770.70	23770.70
66	-522.13	100.47	0.71	1.73	232.18	2.50	82109.10	6927.94
67	-779.55	96.41	0.09	4.58	473.26	1.82	21011.30	21011.40
68	-785.23	97.97	0.09	4.58	477.46	1.82	21011.30	21011.40
69	-5566.70	121.25	0.82	1.45	1323.23	2.50	128346.00	5970.16
70	4615.48	121.25	1.07	3.46	272.20	2.50	81275.40	6955.22
71	-5566.70	-13.65	0.44	2.83	2364.96	2.50	106437.00	18144.70
72	4615.48	-13.65	0.49	3.56	315.49	2.50	44468.10	8513.44
73	-5566.70	121.25	0.82	1.45	1323.23	2.50	129527.00	5970.16
74	4615.48	121.25	0.78	3.49	322.46	2.50	63712.50	7467.67
75	-5566.70	-13.65	0.54	2.29	1916.75	2.50	114844.00	12654.50
76	4615.48	-13.65	0.49	3.56	315.49	2.50	44877.50	8513.44
77	-5414.80	114.11	0.71	1.73	1511.67	2.50	123164.00	7967.13
78	4463.58	114.11	1.07	3.46	260.09	2.50	81275.40	6955.22
79	-5414.80	-6.50	0.44	2.83	2294.29	2.50	106437.00	18144.70
80	4463.58	-6.50	0.49	3.56	298.42	2.50	44468.10	8513.44
81	-5414.80	114.11	0.82	1.45	1283.38	2.50	129461.00	5970.16
82	4463.58	114.11	0.75	3.49	296.55	2.50	59988.80	7338.88
83	-5414.80	-6.50	0.54	2.29	1858.08	2.50	114786.00	12654.50
84	4463.58	-6.50	0.49	3.56	298.42	2.50	44854.60	8513.44
85	-2233.32	84.88	0.54	2.29	843.60	2.50	113797.00	12654.50
86	1282.10	84.88	1.30	3.36	87.53	2.50	81380.90	5554.79
87	-2233.32	22.73	0.09	4.72	1696.21	1.99	37448.60	37448.60
88	1282.10	22.73	1.30	3.36	19.23	2.50	81759.80	5584.32
89	-2233.32	84.88	0.54	2.29	843.60	2.50	114082.00	12654.50
90	1282.10	84.88	1.30	3.36	87.50	2.50	81572.60	5553.84
91	-2233.32	22.73	0.09	4.72	1696.21	1.99	37507.40	37507.40
92	1282.10	22.73	1.30	3.36	19.50	2.50	81842.20	5574.79
93	775.77	46.55	1.21	3.44	67.69	2.50	88954.40	6701.72
94	-1726.99	46.55	0.10	4.58	1472.34	2.24	44701.90	44701.90
95	775.77	61.05	1.30	3.37	55.50	2.50	84369.10	5783.17
96	-1726.99	61.05	0.54	2.29	648.04	2.50	113887.00	12654.50
97	775.77	46.55	1.20	3.44	66.63	2.50	87815.20	6638.63
98	-1726.99	46.55	0.10	4.58	1472.34	2.24	44680.70	44680.70
99	775.77	61.05	1.30	3.38	55.37	2.50	84400.20	5790.85
100	-1726.99	61.05	0.54	2.29	648.04	2.50	113797.00	12654.50
101	-5525.60	126.36	1.02	1.16	1083.95	2.50	140758.00	4225.18
102	4656.58	126.36	0.61	3.53	380.02	2.50	52040.70	7987.15
103	-5525.60	-8.54	0.54	2.29	1897.89	2.50	113797.00	12654.50
104	4656.58	-8.54	0.40	3.63	414.36	2.50	40326.10	9585.40
105	-5525.60	126.36	1.02	1.16	1083.95	2.50	142193.00	4225.18
106	4656.58	126.36	0.49	3.56	430.64	2.50	44921.50	8513.44

107	-5525.60	-8.54	0.71	1.73	1438.38	2.50	124419.00	7967.13
108	4656.58	-8.54	1.31	0.87	616.27	2.50	157317.00	2745.47
109	-5373.70	119.21	1.02	1.16	1050.54	2.50	140758.00	4225.18
110	4504.68	119.21	0.61	3.53	364.61	2.50	52040.70	7987.15
111	-5373.70	-1.39	0.54	2.29	1839.22	2.50	113797.00	12654.50
112	4504.68	-1.39	0.40	3.63	394.00	2.50	40326.10	9585.40
113	-5373.70	119.21	1.02	1.16	1050.54	2.50	142121.00	4225.18
114	4504.68	119.21	0.61	3.53	364.61	2.50	52544.50	7987.15
115	-5373.70	-1.39	0.71	1.73	1392.16	2.50	124356.00	7967.13
116	4504.68	-1.39	1.31	0.87	589.36	2.50	157237.00	2745.47
117	-2192.22	89.99	1.02	1.16	469.29	2.50	140758.00	4225.18
118	1323.20	89.99	1.30	3.41	112.52	2.50	89975.00	6231.42
119	-2192.22	27.84	0.08	4.72	1387.81	1.97	32522.40	32522.40
120	1323.20	27.84	0.61	3.53	44.34	2.50	52040.70	7987.15
121	-2192.22	89.99	1.02	1.16	469.29	2.50	141250.00	4225.18
122	1323.20	89.99	1.30	3.41	114.33	2.50	91074.90	6293.75
123	-2192.22	27.84	0.08	4.72	1387.81	1.97	32593.80	32593.80
124	1323.20	27.84	0.61	3.53	44.34	2.50	52222.60	7987.15
125	816.87	51.66	0.84	3.48	20.44	2.50	65915.60	7210.55
126	-1685.89	51.66	0.09	4.72	1258.26	1.99	37490.40	37490.40
127	816.87	66.16	1.30	3.39	75.07	2.50	86608.00	5952.45
128	-1685.89	66.16	0.82	1.45	429.49	2.50	128575.00	5970.16
129	816.87	51.66	0.84	3.48	20.44	2.50	65798.40	7210.55
130	-1685.89	51.66	0.09	4.72	1258.26	1.99	37448.60	37448.60
131	816.87	66.16	1.30	3.39	74.93	2.50	86356.10	5944.74
132	-1685.89	66.16	0.82	1.45	429.49	2.50	128346.00	5970.16

Verifiche stato limite d'esercizio

Caso	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ_c <daN/cmq>	σ_f <daN/cmq>
133	1175.69	626.25	30.63	12.44	1.13	4.12	252.47
134	481.53	447.61	59.72	11.31	2.26	4.41	166.66
135	814.06	542.25	45.14	12.44	1.13	4.39	208.61
136	843.16	531.61	45.20	12.44	1.13	4.36	209.72
137	979.07	527.08	21.94	12.44	1.13	3.28	209.38
138	284.91	348.44	51.04	11.31	2.26	3.52	123.46
139	617.44	443.08	36.46	12.44	1.13	3.55	165.31
140	646.54	432.44	36.52	12.44	1.13	3.52	166.41

Verifiche stato limite di formazione delle fessure

Caso	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	c <mm>	s <mm>	K3	s_{rm} <mm>	Φ	A_s <cmq>	$A_{c\ eff}$ <cmq>	σ_s <daN/cmq>	σ_{sr} <daN/cmq>	ε_{sm}	Wk <mm>
137		SLE Q	979.07	21.94	527.08	33.00	122.00	0.19	213.87	12.00	2.26	307.97	209.38	5236.32	0.04	0.01
138		SLE Q	284.91	51.04	348.44	33.00	122.00	0.13	172.09	12.00	2.26	307.97	123.46	3628.26	0.02	0.01
139		SLE Q	617.44	36.46	443.08	33.00	122.00	0.16	192.83	12.00	2.26	307.97	165.31	4458.62	0.03	0.01
140		SLE Q	646.54	36.52	432.44	33.00	122.00	0.16	192.78	12.00	2.26	307.97	166.41	4505.00	0.03	0.01
141		SLE F	1035.25	24.42	555.41	33.00	122.00	0.19	212.72	12.00	2.26	307.97	221.68	5206.50	0.04	0.02
142		SLE F	341.09	53.52	376.78	33.00	122.00	0.13	172.09	12.00	2.26	307.97	135.79	3707.98	0.03	0.01
143		SLE F	673.62	38.94	471.42	33.00	122.00	0.16	192.98	12.00	2.26	307.97	177.68	4479.09	0.03	0.01
144		SLE F	702.72	39.00	460.77	33.00	122.00	0.16	192.94	12.00	2.26	307.97	178.78	4522.60	0.03	0.01

Verifiche principali

Caso	Tipo
1	SLU N cost - min. sic.
30	SLU Taglio - min. sic. c.a.
33	SLU Taglio - min. sic. acciaio
69	SLD N cost - min. sic.
87	SLD Taglio - min. sic. c.a.
101	SLD Taglio - min. sic. acciaio
133	C.Rare - Sc max (min. compr.),C.Rare - Sf max (max traz.)
134	C.Rare - Sc min (max compr.),C.Rare - Sf min (max compr.)
137	C.Q.Per. - Sc max (min. compr.),C.Q.Per. - Sf max (max traz.),C.Q.Per. - Wk Max
138	C.Q.Per. - Sf min (max compr.)
139	C.Q.Per. - Sc min (max compr.)
141	C.Freq - Wk Max

sez3

Sezione degli elementi bidimensionali n. 104

Verifiche stato limite ultimo per tensioni normali

Caso	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	Myu <daNm>	Mzu <daNm>	Rott.	α <grad>	ε_c	TS	Sic.
1		SLV	3312.08	235.95	1096.87	3317.42	3757.42	17657.00	2-3	176.25	-3.50	N/e	16.090
2		SLV	3312.08	235.95	-1590.00	3321.42	3352.17	-22374.70	2-3	190.00	-3.50	N/e	14.075
3		SLV	3312.08	-430.08	1096.87	3314.69	-4070.09	10283.00	2-3	1.41	-3.50	N/e	9.387
4		SLV	3312.08	-430.08	-1590.00	3312.09	-3908.59	-14519.30	2-3	357.66	-3.50	N/e	9.129
5		SLV	-2378.60	235.95	1096.87	-2378.60	4146.28	18675.80	2-3	176.25	-3.50	N/e	17.051

6		SLV	-2378.60	235.95	-1590.00	-2378.60	3668.39	-24353.90	2-3	190.00	-3.50	N/e	15.322
7		SLV	-2378.60	-430.08	1096.87	-2378.60	-4452.59	11437.80	2-3	1.56	-3.50	N/e	10.418
8		SLV	-2378.60	-430.08	-1590.00	-2384.28	-4291.78	-15548.10	2-3	357.50	-3.50	N/e	9.792
9		SLV	2556.22	218.70	692.11	2558.11	4035.45	12692.70	2-3	178.13	-3.50	N/e	18.349
10		SLV	2556.22	218.70	-1185.24	2562.09	3706.80	-19345.70	2-3	185.00	-3.50	N/e	16.343
11		SLV	2556.22	-412.83	692.11	2556.82	-4230.00	7219.64	2-3	0.90	-3.50	N/e	10.383
12		SLV	2556.22	-412.83	-1185.24	2559.44	-4077.90	-11591.60	2-3	358.36	-3.50	N/e	9.791
13		SLV	-1622.73	218.70	692.11	-1622.74	4312.28	13701.90	2-3	177.97	-3.50	N/e	19.790
14		SLV	-1622.73	218.70	-1185.24	-1622.73	3886.03	-21597.20	2-3	186.25	-3.50	N/e	18.207
15		SLV	-1622.73	-412.83	692.11	-1622.73	-4515.09	7477.69	2-3	0.94	-3.50	N/e	10.839
16		SLV	-1622.73	-412.83	-1185.24	-1622.75	-4367.76	-12231.50	2-3	358.28	-3.50	N/e	10.348
17		SLV	2466.74	29.00	770.35	2467.90	1134.31	28277.40	2-3	130.00	-3.50	N/e	36.711
18		SLV	2466.74	29.00	-1263.48	2467.69	511.59	-28738.10	2-3	250.00	-3.50	N/e	22.743
19		SLV	2466.74	-223.13	770.35	2469.33	-3994.73	14074.70	2-3	2.19	-3.50	N/e	18.242
20		SLV	2466.74	-223.13	-1263.48	2472.58	-3628.68	-20521.20	2-3	353.75	-3.50	N/e	16.242
21		SLV	-1533.25	29.00	770.35	-1537.72	1159.68	30229.30	2-3	130.00	-3.50	N/e	39.242
22		SLV	-1533.25	29.00	-1263.48	-1533.26	505.29	-30794.00	2-3	250.00	-3.50	N/e	24.369
23		SLV	-1533.25	-223.13	770.35	-1533.26	-4279.96	14384.90	2-3	2.19	-3.50	N/e	18.713
24		SLV	-1533.25	-223.13	-1263.48	-1533.25	-3790.27	-22544.00	2-3	352.50	-3.50	N/e	17.818
25		SLV	986.30	-165.63	85.71	991.58	-4453.98	2319.83	2-3	0.19	-3.50	N/e	26.927
26		SLV	986.30	-165.63	-578.84	991.63	-4100.22	-14190.20	2-3	357.81	-3.50	N/e	24.533
27		SLV	986.30	-28.50	85.71	990.00	-4148.55	12777.00	2-3	1.88	-3.50	N/e	>100
28		SLV	986.30	-28.50	-578.84	989.13	-1603.85	-28367.70	2-3	320.00	-3.50	N/e	49.026
29		SLV	-52.81	-165.63	85.71	-52.82	-4526.32	2378.54	2-3	0.20	-3.50	N/e	27.417
30		SLV	-52.81	-165.63	-578.84	-52.82	-4174.65	-14271.20	2-3	357.81	-3.50	N/e	24.697
31		SLV	-52.81	-28.50	85.71	-52.82	-4223.65	12832.80	2-3	1.88	-3.50	N/e	>100
32		SLV	-52.81	-28.50	-578.84	-52.81	-1611.57	-28877.90	2-3	320.00	-3.50	N/e	49.906
33		SLV	817.50	234.86	1892.94	827.01	3150.87	24939.90	2-3	165.00	-3.50	N/e	13.179
34		SLV	817.50	234.86	-793.93	823.28	4112.23	-14203.30	2-3	182.19	-3.50	N/e	17.860
35		SLV	817.50	-431.17	1892.94	821.74	-3991.14	16944.10	2-3	3.13	-3.50	N/e	8.966
36		SLV	817.50	-431.17	-793.93	817.52	-4325.51	-7945.57	2-3	358.98	-3.50	N/e	10.013
37		SLV	-4873.18	234.86	1892.94	-4873.18	3347.74	27220.20	2-3	165.00	-3.50	N/e	14.378
38		SLV	-4873.18	234.86	-793.93	-4873.61	4491.04	-15172.60	2-3	182.34	-3.50	N/e	19.112
39		SLV	-4873.18	-431.17	1892.94	-4873.18	-4314.14	19031.10	2-3	3.75	-3.50	N/e	10.051
40		SLV	-4873.18	-431.17	-793.93	-4873.20	-4717.33	-8541.08	2-3	358.91	-3.50	N/e	10.800
41		SLV	61.64	217.61	1488.19	67.32	3533.23	23538.30	2-3	170.00	-3.50	N/e	15.826
42		SLV	61.64	217.61	-389.17	67.80	4379.03	-7971.09	2-3	181.02	-3.50	N/e	20.397
43		SLV	61.64	-413.92	1488.19	61.65	-4140.51	14782.50	2-3	2.34	-3.50	N/e	9.938
44		SLV	61.64	-413.92	-389.17	66.77	-4478.35	-4152.99	2-3	359.53	-3.50	N/e	10.750
45		SLV	-4117.31	217.61	1488.19	-4117.31	3762.52	24881.40	2-3	170.00	-3.50	N/e	16.731
46		SLV	-4117.31	217.61	-389.17	-4117.33	4669.81	-8260.18	2-3	181.06	-3.50	N/e	21.281
47		SLV	-4117.31	-413.92	1488.19	-4117.33	-4414.35	15688.40	2-3	2.50	-3.50	N/e	10.551
48		SLV	-4117.31	-413.92	-389.17	-4117.32	-4740.26	-4466.25	2-3	359.44	-3.50	N/e	11.463
49		SLV	-27.84	27.91	1566.42	-27.84	785.78	29876.50	2-3	120.00	-3.50	N/e	19.077
50		SLV	-27.84	27.91	-467.40	-27.84	1611.39	-28865.70	2-3	220.00	-3.50	N/e	61.744
51		SLV	-27.84	-224.22	1566.42	-27.84	-3538.49	23572.20	2-3	10.00	-3.50	N/e	15.063
52		SLV	-27.84	-224.22	-467.40	-27.85	-4356.87	-9020.84	2-3	358.83	-3.50	N/e	19.325
53		SLV	-4027.84	27.91	1566.42	-4027.86	786.26	31886.20	2-3	120.00	-3.50	N/e	20.359
54		SLV	-4027.84	27.91	-467.40	-4027.84	1638.14	-30811.30	2-3	220.00	-3.50	N/e	65.896
55		SLV	-4027.84	-224.22	1566.42	-4027.83	-3757.67	24854.40	2-3	10.00	-3.50	N/e	15.885
56		SLV	-4027.84	-224.22	-467.40	-4027.88	-4625.31	-9506.83	2-3	358.75	-3.50	N/e	20.394
57		SLV	-1508.29	-166.72	881.78	-1508.28	-3973.90	20314.90	2-3	5.00	-3.50	N/e	23.066
58		SLV	-1508.29	-166.72	217.23	-1508.42	-4549.26	5834.96	2-3	0.70	-3.50	N/e	27.019
59		SLV	-1508.29	-29.58	881.78	-1508.29	-782.90	30634.10	2-3	60.00	-3.50	N/e	34.733
60		SLV	-1508.29	-29.58	217.23	-1508.28	-3463.09	25032.50	2-3	12.50	-3.50	N/e	>100
61		SLV	-2547.39	-166.72	881.78	-2547.41	-4041.64	20558.40	2-3	5.00	-3.50	N/e	23.347
62		SLV	-2547.39	-166.72	217.23	-2547.46	-4610.08	5998.04	2-3	0.74	-3.50	N/e	27.626
63		SLV	-2547.39	-29.58	881.78	-2547.39	-780.95	31162.60	2-3	60.00	-3.50	N/e	35.332
64		SLV	-2547.39	-29.58	217.23	-2547.38	-3502.04	25436.00	2-3	12.50	-3.50	N/e	>100
65		SLU	-1273.70	-171.34	238.69	-1273.78	-4511.09	6237.60	2-3	0.78	-3.50	N/e	26.199
66		SLU	-1360.90	-159.31	280.98	-1360.90	-4479.74	7961.30	2-3	1.02	-3.50	N/e	28.282
67		SLU	-1285.77	-164.94	271.90	-1285.78	-4491.57	7484.44	2-3	0.94	-3.50	N/e	27.447
68		SLU	-1348.83	-165.70	247.77	-1348.89	-4515.52	6652.71	2-3	0.82	-3.50	N/e	26.975
69		SLD	685.66	21.45	492.31	689.36	1686.51	32285.90	2-3	140.00	-3.50	N/e	65.608
70		SLD	685.66	21.45	-473.17	689.69	1221.86	-32905.00	2-3	230.00	-3.50	N/e	69.518
71		SLD	685.66	-216.28	492.31	687.63	-5141.73	11873.40	2-3	1.17	-3.50	N/e	24.063
72		SLD	685.66	-216.28	-473.17	690.85	-5168.83	-11287.10	2-3	358.91	-3.50	N/e	23.862
73		SLD	-1357.42	21.45	492.31	-1357.43	1575.62	35513.70	2-3	130.00	-3.50	N/e	72.140
74		SLD	-1357.42	21.45	-473.17	-1357.43	1575.62	-35513.70	2-3	230.00	-3.50	N/e	75.052
75		SLD	-1357.42	-216.28	492.31	-1357.60	-5294.45	11956.20	2-3	1.17	-3.50	N/e	24.317
76		SLD	-1357.42	-216.28	-473.17	-1357.43	-5321.64	-11386.10	2-3	358.91	-3.50	N/e	24.158
77		SLD	401.96	15.02	340.45	408.19	1576.01	34574.00	2-3	130.00	-3.50	N/e	>100
78		SLD	401.96	15.02	-321.31	408.19	1576.01	-34574.00	2-3	230.00	-3.50	N/e	>100
79		SLD	401.96	-209.85	340.45	410.67	-5268.73	8448.14	2-3	0.80	-3.50	N/e	24.896
80		SLD	401.96	-209.85	-321.31	403.93	-5270.93	-8148.05	2-3	359.22	-3.50	N/e	25.287
81		SLD	-1073.72	15.02	340.45	-1073.72	1575.69	35363.00	2-3	130.00	-3.50	N/e	>100
82		SLD	-1073.72	15.02	-321.31	-1073.73	1575.70	-35363.00	2-3	230.00	-3.50	N/e	>100
83		SLD	-1073.72	-209.85	340.45	-1073.73	-5376.55	8791.79	2-3	0.82	-3.50	N/e	25.769
84		SLD	-1073.72	-209.85	-321.31	-1073.72	-5380.76	-8222.43	2-3	359.22	-3.50	N/e	25.606

85		SLD	400.86	-52.00	384.71	401.70	-3890.52	29999.10	2-3	15.00	-3.50	N/e	77.923
86		SLD	400.86	-52.00	-365.57	405.29	-4204.85	-28158.80	2-3	350.00	-3.50	N/e	77.104
87		SLD	400.86	-142.83	384.71	403.18	-5095.30	13766.70	2-3	1.41	-3.50	N/e	35.771
88		SLD	400.86	-142.83	-365.57	400.87	-5120.41	-13288.10	2-3	358.67	-3.50	N/e	36.283
89		SLD	-1072.61	-52.00	384.71	-1072.62	-3951.58	30613.10	2-3	15.00	-3.50	N/e	79.512
90		SLD	-1072.61	-52.00	-365.57	-1072.61	-4291.31	-28717.40	2-3	350.00	-3.50	N/e	78.635
91		SLD	-1072.61	-142.83	384.71	-1072.62	-5204.51	13842.30	2-3	1.41	-3.50	N/e	36.037
92		SLD	-1072.61	-142.83	-365.57	-1073.02	-5230.62	-13339.50	2-3	358.67	-3.50	N/e	36.507
93		SLD	-126.96	-121.39	140.62	-126.97	-5369.88	6235.95	2-3	0.58	-3.50	N/e	44.299
94		SLD	-126.96	-121.39	-121.49	-126.97	-5408.69	-5387.68	2-3	359.53	-3.50	N/e	44.452
95		SLD	-126.96	-73.44	140.62	-127.23	-5270.51	9892.74	2-3	0.94	-3.50	N/e	70.654
96		SLD	-126.96	-73.44	-121.49	-126.97	-5306.24	-8752.22	2-3	359.18	-3.50	N/e	72.098
97		SLD	-544.80	-121.39	140.62	-545.25	-5400.36	6266.25	2-3	0.58	-3.50	N/e	44.530
98		SLD	-544.80	-121.39	-121.49	-544.82	-5439.55	-5414.27	2-3	359.53	-3.50	N/e	44.689
99		SLD	-544.80	-73.44	140.62	-544.80	-5285.55	10130.90	2-3	0.98	-3.50	N/e	72.026
100		SLD	-544.80	-73.44	-121.49	-544.82	-5337.52	-8775.76	2-3	359.18	-3.50	N/e	72.354
101		SLD	-203.68	21.06	776.11	-203.68	1124.18	35246.70	2-3	120.00	-3.50	N/e	45.421
102		SLD	-203.68	21.06	-189.36	-203.69	3488.40	-31645.60	2-3	200.00	-3.50	N/e	>100
103		SLD	-203.68	-216.67	776.11	-203.68	-4991.93	17747.40	2-3	2.03	-3.50	N/e	22.880
104		SLD	-203.68	-216.67	-189.36	-203.69	-5431.72	-4717.23	2-3	359.60	-3.50	N/e	25.001
105		SLD	-2246.76	21.06	776.11	-2246.77	1121.06	36334.40	2-3	120.00	-3.50	N/e	46.821
106		SLD	-2246.76	21.06	-189.36	-2246.77	3553.41	-32581.40	2-3	200.00	-3.50	N/e	>100
107		SLD	-2246.76	-216.67	776.11	-2246.76	-5110.27	18722.10	2-3	2.19	-3.50	N/e	24.084
108		SLD	-2246.76	-216.67	-189.36	-2246.77	-5579.91	-4961.41	2-3	359.59	-3.50	N/e	25.948
109		SLD	-487.38	14.63	624.25	-487.38	1123.76	35397.80	2-3	120.00	-3.50	N/e	56.717
110		SLD	-487.38	14.63	-37.50	-487.39	5186.85	-13319.10	2-3	181.33	-3.50	N/e	>100
111		SLD	-487.38	-210.23	624.25	-487.79	-5124.73	15017.30	2-3	1.56	-3.50	N/e	24.089
112		SLD	-487.38	-210.23	-37.50	-487.40	-5426.08	-947.29	2-3	359.88	-3.50	N/e	25.793
113		SLD	-1963.06	14.63	624.25	-1963.07	1121.50	36183.50	2-3	120.00	-3.50	N/e	57.975
114		SLD	-1963.06	14.63	-37.50	-1963.28	5297.13	-13370.50	2-3	181.33	-3.50	N/e	>100
115		SLD	-1963.06	-210.23	624.25	-1963.06	-5209.00	15513.30	2-3	1.64	-3.50	N/e	24.843
116		SLD	-1963.06	-210.23	-37.50	-1963.65	-5530.16	-943.23	2-3	359.88	-3.50	N/e	26.270
117		SLD	-488.48	-52.39	668.52	-488.49	-2822.01	33185.70	2-3	30.00	-3.50	N/e	49.668
118		SLD	-488.48	-52.39	-81.77	-488.50	-5337.70	-8203.91	2-3	359.22	-3.50	N/e	>100
119		SLD	-488.48	-143.22	668.52	-488.48	-4761.06	22832.50	2-3	3.75	-3.50	N/e	34.114
120		SLD	-488.48	-143.22	-81.77	-488.49	-5508.39	-3129.71	2-3	359.81	-3.50	N/e	38.416
121		SLD	-1961.95	-52.39	668.52	-1961.97	-2850.29	33913.80	2-3	30.00	-3.50	N/e	50.753
122		SLD	-1961.95	-52.39	-81.77	-1961.96	-5444.69	-8550.25	2-3	359.20	-3.50	N/e	>100
123		SLD	-1961.95	-143.22	668.52	-1961.96	-4865.04	23171.50	2-3	3.75	-3.50	N/e	34.631
124		SLD	-1961.95	-143.22	-81.77	-1961.96	-5612.86	-3246.13	2-3	359.81	-3.50	N/e	39.316
125		SLD	-1016.29	-121.78	424.43	-1016.29	-5052.02	17816.30	2-3	2.03	-3.50	N/e	41.940
126		SLD	-1016.29	-121.78	162.32	-1016.30	-5428.58	7187.19	2-3	0.64	-3.50	N/e	44.387
127		SLD	-1016.29	-73.83	424.43	-1016.29	-4567.03	26188.90	2-3	6.25	-3.50	N/e	61.708
128		SLD	-1016.29	-73.83	162.32	-1016.30	-5283.92	11686.60	2-3	1.13	-3.50	N/e	71.925
129		SLD	-1434.14	-121.78	424.43	-1434.15	-5082.91	17851.60	2-3	2.03	-3.50	N/e	42.036
130		SLD	-1434.14	-121.78	162.32	-1434.15	-5454.07	7395.87	2-3	0.66	-3.50	N/e	45.286
131		SLD	-1434.14	-73.83	424.43	-1434.13	-4594.43	26308.50	2-3	6.25	-3.50	N/e	61.993
132		SLD	-1434.14	-73.83	162.32	-1434.17	-5314.95	11701.60	2-3	1.13	-3.50	N/e	72.073

Verifiche stato limite ultimo per sollecitazioni taglianti

Caso	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctg0	VRcd <daN>	VRsd <daN>
1	-1379.46	287.88	0.49	3.56	377.49	2.50	29645.90	7403.01
2	3227.72	287.88	1.02	1.16	844.00	2.50	93839.10	3674.07
3	-1379.46	-329.19	1.30	3.43	362.95	2.50	62853.30	5717.98
4	3227.72	-329.19	0.75	3.49	460.92	2.50	39648.70	6381.65
5	-1379.46	287.88	0.49	3.56	377.49	2.50	29810.70	7403.01
6	3227.72	287.88	1.02	1.16	844.00	2.50	94360.60	3674.07
7	-1379.46	-329.19	1.21	3.44	366.69	2.50	59586.30	5827.60
8	3227.72	-329.19	0.78	3.49	469.67	2.50	42322.10	6493.64
9	-1313.82	280.56	1.07	3.46	323.39	2.50	54184.50	6048.03
10	3162.08	280.56	0.40	3.63	555.08	2.50	26884.50	8335.15
11	-1313.82	-321.87	1.30	3.40	342.43	2.50	59461.80	5364.55
12	3162.08	-321.87	1.21	3.45	412.27	2.50	59950.60	5882.56
13	-1313.82	280.56	0.94	3.47	326.95	2.50	48847.80	6158.85
14	3162.08	280.56	0.30	3.70	623.14	2.50	22208.70	9288.29
15	-1313.82	-321.87	1.30	3.41	343.32	2.50	59949.10	5391.58
16	3162.08	-321.87	1.05	3.45	416.57	2.50	52498.40	5937.62
17	133.49	83.01	0.09	4.72	48.90	1.67	27391.70	27391.70
18	1714.77	83.01	0.12	4.30	1639.74	2.17	37359.00	37359.00
19	133.49	-124.33	0.84	3.48	119.14	2.50	43866.30	6270.06
20	1714.77	-124.33	0.30	3.70	310.27	2.50	22124.80	9288.29
21	133.49	83.01	0.09	4.72	48.90	1.68	27458.30	27458.30
22	1714.77	83.01	0.12	4.30	1639.74	2.18	37440.00	37440.00
23	133.49	-124.33	0.84	3.48	119.14	2.50	44023.50	6270.06
24	1714.77	-124.33	1.31	0.87	347.08	2.50	104191.00	2387.37
25	1495.96	-99.91	1.30	3.36	95.07	2.50	54702.30	4875.84
26	352.31	-99.91	0.84	3.48	113.29	2.50	43866.30	6270.06
27	1495.96	58.60	1.07	3.46	107.52	2.50	54184.50	6048.03

28	352.31	58.60	0.08	4.72	181.57	1.66	23770.80	23770.80
29	1495.96	-99.91	1.30	3.36	94.81	2.50	54774.20	4882.47
30	352.31	-99.91	0.84	3.48	113.29	2.50	43871.70	6270.06
31	1495.96	58.60	1.07	3.46	107.52	2.50	54191.20	6048.03
32	352.31	58.60	0.08	4.72	181.57	1.66	23772.80	23772.80
33	2531.93	-260.97	0.71	1.73	907.38	2.50	82109.40	6927.95
34	-2075.25	-260.97	0.84	3.48	339.99	2.50	43866.30	6270.06
35	2531.93	356.11	0.61	3.53	493.61	2.50	34694.40	6945.36
36	-2075.25	356.11	1.30	3.41	392.84	2.50	60244.40	5445.73
37	2531.93	-260.97	0.71	1.73	907.38	2.50	83044.30	6927.95
38	-2075.25	-260.97	0.75	3.49	345.61	2.50	40100.10	6381.65
39	2531.93	356.11	0.49	3.56	520.95	2.50	29983.50	7403.01
40	-2075.25	356.11	1.30	3.41	395.66	2.50	61458.00	5499.97
41	2466.29	-253.64	1.02	1.16	678.05	2.50	93839.10	3674.07
42	-2009.61	-253.64	1.30	3.41	289.22	2.50	60244.40	5445.73
43	2466.29	348.79	0.75	3.49	449.35	2.50	39648.70	6381.65
44	-2009.61	348.79	1.30	3.38	365.22	2.50	56592.90	5068.93
45	2466.29	-253.64	1.02	1.16	678.05	2.50	94741.80	3674.07
46	-2009.61	-253.64	1.30	3.41	290.59	2.50	61087.30	5472.84
47	2466.29	348.79	0.78	3.49	456.03	2.50	42493.10	6493.64
48	-2009.61	348.79	1.30	3.38	368.30	2.50	57729.80	5129.14
49	1018.98	-56.10	0.10	4.58	910.51	1.90	32968.70	32968.70
50	-562.29	-56.10	0.08	4.72	404.41	1.66	23771.90	23771.90
51	1018.98	151.24	1.02	1.16	325.89	2.50	93845.20	3674.07
52	-562.29	151.24	1.30	3.42	162.71	2.50	61291.80	5554.32
53	1018.98	-56.10	0.10	4.58	910.51	1.91	33165.00	33165.00
54	-562.29	-56.10	0.08	4.72	404.41	1.67	23923.00	23923.00
55	1018.98	151.24	1.02	1.16	325.89	2.50	94722.20	3674.07
56	-562.29	151.24	1.30	3.42	163.47	2.50	62391.30	5608.77
57	-343.49	126.83	0.40	3.63	96.41	2.50	26979.20	8335.15
58	800.17	126.83	1.30	3.39	136.64	2.50	58362.70	5229.78
59	-343.49	-31.68	0.10	4.58	313.31	1.90	33041.50	33041.50
60	800.17	-31.68	0.82	1.45	142.25	2.50	85865.80	5191.45
61	-343.49	126.83	0.40	3.63	96.41	2.50	27044.50	8335.15
62	800.17	126.83	1.30	3.39	137.18	2.50	58766.20	5256.68
63	-343.49	-31.68	0.10	4.58	313.31	1.90	33092.50	33092.50
64	800.17	-31.68	0.82	1.45	142.25	2.50	86073.50	5191.45
65	935.33	17.00	1.30	3.40	29.76	2.50	58854.00	5283.61
66	1020.00	28.20	1.30	3.41	46.28	2.50	60435.90	5445.73
67	978.88	22.19	1.30	3.41	38.21	2.50	59902.10	5391.58
68	976.45	23.01	1.30	3.40	36.99	2.50	59125.90	5310.57
69	1521.93	-108.73	0.08	4.72	1061.57	1.97	32522.60	32522.60
70	-121.40	-108.73	0.09	4.72	162.89	1.99	37448.80	37448.80
71	1521.93	111.33	1.30	3.42	142.43	2.50	91931.80	6387.47
72	-121.40	111.33	1.30	3.41	113.62	2.50	91149.10	6324.97
73	1521.93	-108.73	0.09	4.72	1235.76	1.99	37498.40	37498.40
74	-121.40	-108.73	0.09	4.72	162.89	1.99	37498.40	37498.40
75	1521.93	111.33	1.30	3.42	142.43	2.50	92126.10	6387.47
76	-121.40	111.33	1.30	3.41	113.62	2.50	91341.80	6324.97
77	1497.69	-106.06	0.09	4.72	1215.47	1.99	37448.80	37448.80
78	-97.17	-106.06	0.09	4.72	142.61	1.99	37448.80	37448.80
79	1497.69	108.65	1.30	3.40	129.57	2.50	88214.60	6091.65
80	-97.17	108.65	1.30	3.40	109.96	2.50	88019.00	6076.15
81	1497.69	-106.06	0.09	4.72	1215.47	1.99	37488.00	37488.00
82	-97.17	-106.06	0.09	4.72	142.61	1.99	37488.00	37488.00
83	1497.69	108.65	1.30	3.40	130.08	2.50	88558.10	6107.15
84	-97.17	108.65	1.30	3.40	109.96	2.50	88166.30	6076.15
85	983.52	-35.77	0.71	1.73	220.00	2.50	123164.00	7967.14
86	417.00	-35.77	1.02	1.16	107.64	2.50	140759.00	4225.18
87	983.52	38.36	1.30	3.43	62.49	2.50	94279.90	6575.68
88	417.00	38.36	1.30	3.43	28.69	2.50	93497.10	6512.83
89	983.52	-35.77	0.71	1.73	220.00	2.50	123370.00	7967.14
90	417.00	-35.77	1.02	1.16	107.64	2.50	140994.00	4225.18
91	983.52	38.36	1.30	3.43	62.49	2.50	94437.40	6575.68
92	417.00	38.36	1.30	3.43	28.69	2.50	93653.30	6512.83
93	497.79	29.44	1.30	3.38	34.45	2.50	85982.20	5913.91
94	902.74	29.44	1.30	3.38	22.06	2.50	84906.20	5829.27
95	497.79	-26.85	1.30	3.41	18.70	2.50	89601.70	6200.32
96	902.74	-26.85	1.30	3.40	39.77	2.50	88427.80	6107.15
97	497.79	29.44	1.30	3.38	34.45	2.50	86038.10	5913.91
98	902.74	29.44	1.30	3.38	22.06	2.50	84961.40	5829.27
99	497.79	-26.85	1.30	3.41	18.36	2.50	90051.60	6231.44
100	902.74	-26.85	1.30	3.40	39.77	2.50	88485.30	6107.15
101	1273.87	-84.41	0.10	4.58	1145.41	2.24	44689.30	44689.30
102	-369.46	-84.41	0.54	2.29	205.68	2.50	113833.00	12654.50
103	1273.87	135.65	0.94	3.47	180.72	2.50	73018.00	7082.68
104	-369.46	135.65	1.30	3.37	138.23	2.50	84231.60	5775.52
105	1273.87	-84.41	0.10	4.58	1145.41	2.24	44774.60	44774.50
106	-369.46	-84.41	0.54	2.29	205.68	2.50	114195.00	12654.50

107	1273.87	135.65	0.84	3.48	184.17	2.50	66029.80	7210.57
108	-369.46	135.65	1.30	3.37	138.29	2.50	84597.70	5783.19
109	1249.64	-81.73	0.10	4.58	1123.09	2.24	44701.20	44701.20
110	-345.22	-81.73	1.30	3.43	89.71	2.50	93568.10	6512.83
111	1249.64	132.97	1.21	3.44	167.00	2.50	88953.00	6701.74
112	-345.22	132.97	1.30	3.36	133.67	2.50	81418.40	5552.90
113	1249.64	-81.73	0.10	4.58	1123.09	2.24	44762.70	44762.70
114	-345.22	-81.73	1.30	3.43	89.71	2.50	93783.00	6512.83
115	1249.64	132.97	1.21	3.45	168.70	2.50	90200.90	6764.94
116	-345.22	132.97	1.30	3.36	133.67	2.50	81605.40	5552.90
117	735.47	-11.45	0.38	3.35	357.82	2.50	104970.00	24271.20
118	168.95	-11.45	1.30	3.40	13.75	2.50	88086.00	6076.15
119	735.47	62.69	0.49	3.56	110.65	2.50	44502.70	8513.46
120	168.95	62.69	1.30	3.36	62.11	2.50	82213.70	5614.84
121	735.47	-11.45	0.38	3.35	357.82	2.50	105210.00	24271.20
122	168.95	-11.45	1.30	3.40	13.81	2.50	88484.20	6091.65
123	735.47	62.69	0.49	3.56	110.65	2.50	44604.80	8513.46
124	168.95	62.69	1.30	3.36	62.11	2.50	82402.30	5614.84
125	249.74	53.77	0.94	3.47	62.59	2.50	73110.40	7082.68
126	654.68	53.77	1.30	3.39	61.13	2.50	86787.00	5967.90
127	249.74	-2.53	0.30	3.70	24.67	2.50	33239.80	10681.50
128	654.68	-2.53	1.30	3.42	10.42	2.50	91685.40	6356.20
129	249.74	53.77	0.94	3.47	62.59	2.50	73157.90	7082.68
130	654.68	53.77	1.30	3.39	61.35	2.50	87039.40	5983.34
131	249.74	-2.53	0.30	3.70	24.67	2.50	33261.40	10681.50
132	654.68	-2.53	1.30	3.42	10.42	2.50	91744.90	6356.20

Verifiche stato limite d'esercizio

Caso	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ_c <daN/cmq>	σ_f <daN/cmq>
133	-927.77	170.01	-127.86	6.79	6.79	3.60	70.94
134	-1014.97	212.29	-115.83	6.79	6.79	3.37	56.30
135	-939.84	203.22	-121.47	6.79	6.79	3.56	66.11
136	-1002.90	179.09	-122.22	6.79	6.79	3.42	60.98
137	-736.95	130.33	-103.62	6.79	6.79	2.89	58.05
138	-824.14	172.61	-91.60	6.79	6.79	2.66	43.43
139	-749.02	163.54	-97.23	6.79	6.79	2.85	53.20
140	-812.08	139.41	-97.99	6.79	6.79	2.72	48.08

Verifiche stato limite di formazione delle fessure

Caso	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	c <mm>	s <mm>	K3	s_{rm} <mm>	Φ	A_s <cmq>	$A_{c\ eff}$ <cmq>	σ_s <daN/cmq>	σ_{sr} <daN/cmq>	ε_{sm}	Wk <mm>
137		SLE Q	-736.95	-103.62	130.33	33.00	168.00	0.13	190.47	12.00	1.13	171.28	58.05	1919.10	0.01	0.00
138		SLE Q	-824.14	-91.60	172.61	33.00	168.00	0.13	190.47	12.00	1.13	171.28	43.43	1583.82	0.01	0.00
139		SLE Q	-749.02	-97.23	163.54	33.00	168.00	0.13	190.47	12.00	1.13	171.28	53.20	1799.14	0.01	0.00
140		SLE Q	-812.08	-97.99	139.41	33.00	168.00	0.13	190.47	12.00	1.13	171.28	48.08	1711.27	0.01	0.00
141		SLE F	-791.47	-110.55	141.66	33.00	168.00	0.13	190.47	12.00	1.13	171.28	61.73	1909.49	0.01	0.00
142		SLE F	-878.66	-98.52	183.95	33.00	168.00	0.13	190.47	12.00	1.13	171.28	47.10	1596.68	0.01	0.00
143		SLE F	-803.54	-104.16	174.87	33.00	168.00	0.13	190.47	12.00	1.13	171.28	56.89	1797.37	0.01	0.00
144		SLE F	-866.60	-104.91	150.74	33.00	168.00	0.13	190.47	12.00	1.13	171.28	51.77	1715.32	0.01	0.00

Verifiche principali

Caso	Tipo
2	SLU Taglio - min. sic. acciaio
18	SLU Taglio - min. sic. c.a.
35	SLU N cost - min. sic.
73	SLD Taglio - min. sic. c.a.,SLD Taglio - min. sic. acciaio
103	SLD N cost - min. sic.
133	C.Rare - Sc min (max compr.),C.Rare - Sf max (max traz.)
134	C.Rare - Sc max (min. compr.),C.Rare - Sf min (max compr.)
137	C.Q.Per. - Sc min (max compr.),C.Q.Per. - Sf max (max traz.),C.Q.Per. - Wk Max
138	C.Q.Per. - Sc max (min. compr.),C.Q.Per. - Sf min (max compr.)
141	C.Freq - Wk Max

Seravezza, 28 ottobre 2016

Dott. Ing. Riccardo Feliciani