IMPIANTO DI PRODUZIONE DI ENERGIA DA FONTE EOLICA "SAN PANCRAZIO TORREVECCHIA" DI POTENZA PARI A 34,50 MW

REGIONE PUGLIA
PROVINCIA di BRINDISI
COMUNE di SAN PANCRAZIO SALENTINO
Località: Masserie Corte Finocchio, Torre Vecchia e Campone
OPERE DI CONNESSIONE NEI COMUNI DI: San Pancrazio S. (BR) Erchie (BR) ed Avetrana (TA)

PROGETTO DEFINITIVO
Id AU H4QPRN5

Tav.:	Titolo:
R06	CALCOLI PRELIMINARI DELLE STRUTTURE

Scala:	Formato Stampa:	Codice Identificatore Elaborato
N.A.	A4	H4QPRN5_CalcoliPrelStrutture_06

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Data	Motivo della revisione:	Redatto:	Controllato:	Approvato:
16 febbraio 2018	Prima emissione	GdA	FC	TOZZI GREEN S.p.a.

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0. PREMESSA

QUESTO DOCUMENTO HA LO SCOPO DI ILLUSTRARE IL PROGETTO DEFINITIVO DELLE STRUTTURE DI FONDAZIONE PER LO SVILUPPO DELLE FONDAZIONI PER AEROGENERATORI CON TORRE ALTA 132 METRI (QUOTA DEL MOZZO), DEL PARCO EOLICO COMPOSTO DA N. 10 TORRI EOLICHE PREVISTE CON IL PROGETTO IN AGRO DI SAN PANCRAZIO SALENTINO, PROVINCIA DI BRINDISI.

SI PRECISA PRELIMINARMENTE CHE I CARICHI RIGUARDANTI IL PESO DELLA NAVICELLA E L'AZIONE DEL VENTO SU DI ESSA SONO DETERMINATI SULLA BASE DELL'ESPERIENZA DI MACCHINE SIMILI GIÀ INSTALLATE. IN FASE ESECUTIVA LE ANALISI DOVRANNO TENER CONTO DELLE ATTREZZATURE CHE EFFETTIVAMENTE SARANNO INSTALLATE (MODELLO DELLE MACCHINE E RELATIVE AZIONI PASSIVE [PESO] E ATTIVE [VENTO]).

FIGURA 1: ORTOFOTO DELL'AREA

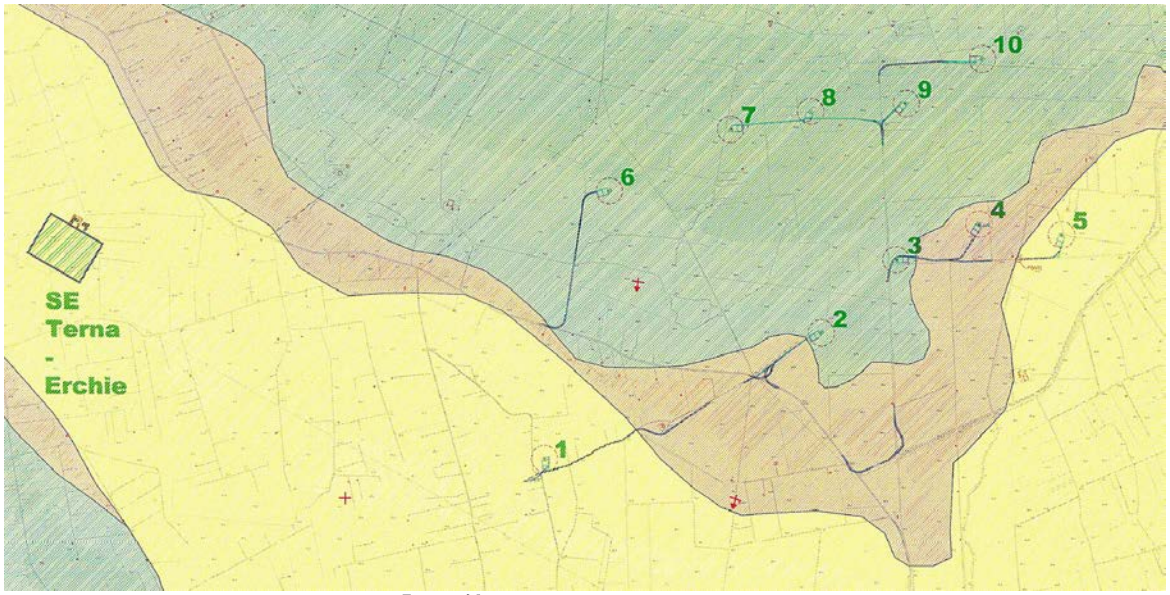


FIGURA 2: POSIZIONE DEGLI AEROGENERATORI

1. DATI DI INPUT

NEL SEGUITO SI FARÀ RIFERIMENTO AL SISTEMA DI COORDINATE RIPORTATO NELLA SUCCESSIVA FIGURA 3 PER LA DETERMINAZIONE E DESCRIZIONE DELLE AZIONI CHE IMPEGNANO L'AEROGENERATORE.

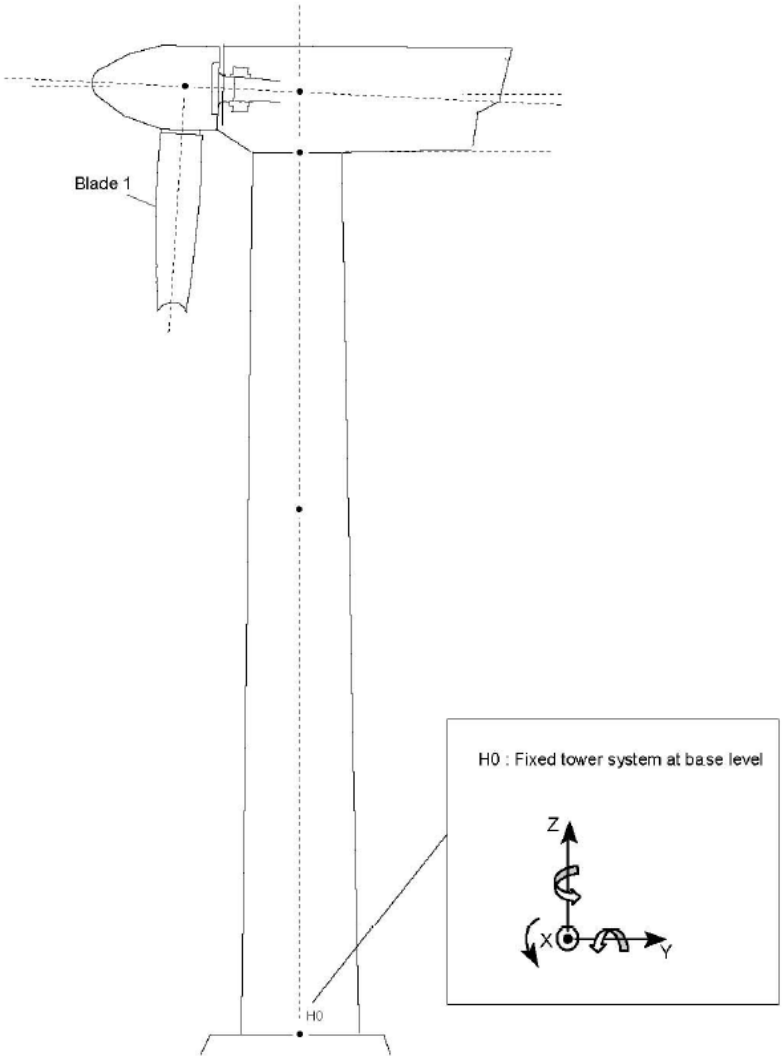


FIGURA 3: SISTEMA DI RIFERIMENTO DELLE COORDINATE ADOTTATO

IN ACCORDO CON LE CARATTERISTICHE DEL TERRITORIO, ESAMINATE DALL'ANEMOMETRO INSTALLATO, SARANNO VALUTATI I CARICHI ESTREMI PER L'ANALISI PRELIMINARE DELLE AZIONI IN FONDAZIONE.

SI SOTTOLINEA CHE TALI VALORI SARANNO OGGETTO DI REVISIONE NEI SUCCESSIVI E PIÙ APPROFONDITI LIVELLI DI PROGETTAZIONE.

1.1. CARICHI

1.1.1. AZIONE DEL VENTO SULLA TORRE

L'AZIONE DEL VENTO SULLA TORRE IN ACCIAIO, ALTA 114 M, È VALUTATA SECONDO QUANTO DISPOSTO DA [1]:

TABELLA 1: VALUTAZIONE DEI PARAMETRI CARATTERISTICI PER DETERMINARE L'AZIONE DEL VENTO

Carichi caratteristici dovuti all'azione estrema del vento			
Zona		3	
Altitudine sul livello del mare di riferimento regionale	a_0 =	500	
Altitudine sul livello del mare del sito	a_s =	65	
Valore caratteristico della velocità del vento per $a_s < a_0$	$V_b = V_{b,0}$ =	27	
Parametro k_a	k_a =	0,02	
Valore caratteristico della velocità del vento per $a_s > a_0$	$V_b = V_{b,0} + k_a (a_s - a_0)$ =	27,00	m/s
Densità convenzionale dell'aria	ρ =	1,25	
pressione cinetica di riferimento	$q_b = 0,5 \rho V_b^2$	45,56	daN/m^2
Classe di rugosità del terreno		D	
Categoria di esposizione		II	
Parametri per la definizione del coefficiente di esposizione			
	k_r =	0,19	
	z_0 =	0,05	
	z_{min} =	4,00	
	z_{max} =	132,00	
Coefficiente di esposizione			
Coefficiente di topografia	c_t =	1,00	
per $z < z_{min}$	$c_e(z) = c_e(z_{min})$ =	1,80	
per $z > z_{min}$	$c_e(z_{max}) = k_r^2 c_t \ln(z/z_0) [7 + c_t \ln(z/z_0)]$ =>	4,23	
Diametro	d_{max} =	4,00	
	d_{min} =	3,33	
	$q = q_0 c_{e,min}$	82,04	daN/m^2
	$q = q_0 c_{e,max}$	192,81	daN/m^2
Coefficiente di forma	c_p =	0,70	
coefficiente dinamico	c_d =	1,00	

NELLE TABELLE SUCCESSIVE SONO RAPPRESENTATE LE DIMENSIONI DELLA TORRE IN ACCIAIO E IL CALCOLO DELL'AZIONE DEL VENTO ALLA QUOTA RELATIVA AL CONCIO CONSIDERATO.

	Elemento	H	z	d	F_{zi}	$c_e(z)$	p	F_{yi}
		[m]	[m]	[m]	[kN]		[kN/m^2]	[kN]
Tronco 5	flangia superiore	0,335	129,600	3,238		4,217	1,34	1,46
		0,335	129,265	3,238		4,214	1,34	
	11	2,194	129,265	3,238		4,214	1,34	9,58
		2,194	127,071	3,269		4,200	1,34	
	10	2,194	127,071	3,269		4,200	1,34	9,64
		2,194	124,877	3,299		4,186	1,34	
	9	2,194	124,877	3,299		4,186	1,34	9,69
		2,194	122,683	3,330		4,172	1,33	
	8	2,873	122,683	3,330		4,172	1,33	12,78
		2,873	119,810	3,370		4,152	1,32	
	7	2,872	119,810	3,370		4,152	1,32	12,86
		2,872	116,938	3,410		4,133	1,32	
	6	2,871	116,938	3,410		4,133	1,32	12,95
		2,871	114,067	3,450		4,112	1,31	
	5	2,871	114,067	3,450		4,112	1,31	13,03
		2,871	111,196	3,490		4,092	1,31	
	4	2,870	111,196	3,490		4,092	1,31	13,11
		2,870	108,326	3,530		4,071	1,30	
	3	2,869	108,326	3,530		4,071	1,30	13,19
		2,869	105,457	3,570		4,049	1,29	
	2	2,869	105,457	3,570		4,049	1,29	13,26
		2,869	102,588	3,610		4,027	1,28	
	1	2,868	102,588	3,610		4,027	1,28	13,33
		2,868	99,720	3,650		4,004	1,28	
	flangia inferiore	0,100	99,720	3,650		4,004	1,28	0,47
		0,100	99,620	3,650		4,003	1,28	

	Elemento	H	z	d	F_{zi}	$c_e(z)$	p	F_{yi}
		[m]	[m]	[m]	[kN]		[kN/m^2]	[kN]
Tronco 4	flangia superiore	0,100	99,620	3,650		4,003	1,28	0,47
		0,100	99,520	3,650		4,003	1,28	
	10	2,061	99,520	3,650		4,003	1,28	9,61
		2,061	97,459	3,670		3,986	1,27	
	9	2,061	97,459	3,670		3,986	1,27	9,62
		2,061	95,398	3,689		3,969	1,27	
	8	2,063	95,398	3,689		3,969	1,27	9,64
		2,063	93,335	3,709		3,951	1,26	
	7	2,887	93,335	3,709		3,951	1,26	13,50
		2,887	90,448	3,736		3,926	1,25	
	6	2,886	90,448	3,736		3,926	1,25	13,51
		2,886	87,562	3,763		3,901	1,24	
	5	2,886	87,562	3,763		3,901	1,24	13,51
		2,886	84,676	3,791		3,874	1,24	
	4	2,886	84,676	3,791		3,874	1,24	13,52
		2,886	81,790	3,818		3,847	1,23	
	3	2,885	81,790	3,818		3,847	1,23	13,51
		2,885	78,905	3,845		3,819	1,22	
	2	2,885	78,905	3,845		3,819	1,22	13,51
		2,885	76,020	3,873		3,789	1,21	
	1	2,885	76,020	3,873		3,789	1,21	13,50
		2,885	73,135	3,900		3,759	1,20	
	flangia inferiore	0,115	73,135	3,900		3,759	1,20	0,54
		0,115	73,020	3,900		3,758	1,20	
								124,43

	Elemento	H	z	d	F_{zi}	$c_e(z)$	p	F_{yi}
		[m]	[m]	[m]	[kN]		[kN/m^2]	[kN]
Tronco 3	flangia superiore	0,115	73,020	3,900		3,758	1,20	0,54
		0,115	72,905	3,900		3,757	1,20	
	9	2,422	72,905	3,900		3,757	1,20	11,29
		2,422	70,483	3,910		3,730	1,19	
	8	2,422	70,483	3,910		3,730	1,19	11,24
		2,422	68,061	3,919		3,703	1,18	
	7	2,911	68,061	3,919		3,703	1,18	13,43
		2,911	65,150	3,931		3,670	1,17	
	6	2,911	65,150	3,931		3,670	1,17	13,35
		2,911	62,239	3,942		3,634	1,16	
	5	2,911	62,239	3,942		3,634	1,16	13,25
		2,911	59,328	3,954		3,598	1,15	
	4	2,911	59,328	3,954		3,598	1,15	13,16
		2,911	56,417	3,965		3,559	1,14	
	3	2,911	56,417	3,965		3,559	1,14	13,05
		2,911	53,506	3,977		3,519	1,12	
	2	2,911	53,506	3,977		3,519	1,12	12,93
		2,911	50,595	3,988		3,477	1,11	
	1	2,910	50,595	3,988		3,477	1,11	12,81
		2,910	47,685	4,000		3,433	1,09	
	flangia inferiore	0,145	47,685	4,000		3,433	1,09	0,63
		0,145	47,540	4,000		3,430	1,09	

	Elemento	H	z	d	F_{zi}	$c_e(z)$	p	F_{yi}
		[m]	[m]	[m]	[kN]		[kN/m^2]	[kN]
Tronco 2	flangia superiore	0,145	47,540	4,000		3,430	1,09	0,63
		0,145	47,395	4,000		3,428	1,09	
	7	2,930	47,395	4,000		3,428	1,09	12,73
		2,930	44,465	4,000		3,381	1,08	
	6	2,930	44,465	4,000		3,381	1,08	12,54
		2,930	41,535	4,000		3,330	1,06	
	5	2,700	41,535	4,000		3,330	1,06	11,39
		2,700	38,835	4,000		3,281	1,05	
	4	2,700	38,835	4,000		3,281	1,05	11,21
		2,700	36,135	4,000		3,228	1,03	
	3	2,640	36,135	4,000		3,228	1,03	10,78
		2,640	33,495	4,000		3,173	1,01	
	2	2,600	33,495	4,000		3,173	1,01	10,43
		2,600	30,895	4,000		3,115	0,99	
	1	2,500	30,895	4,000		3,115	0,99	9,84
		2,500	28,395	4,000		3,055	0,97	
	flangia inferiore	0,175	28,395	4,000		3,055	0,97	0,68
		0,175	28,220	4,000		3,050	0,97	

	Elemento	H	z	d	F_{zi}	$c_e(z)$	p	F_{yi}
		[m]	[m]	[m]	[kN]		[kN/m^2]	[kN]
Tronco 2b	flangia superiore	0,145	28,220	4,000		3,050	0,97	0,56
		0,145	28,075	4,000		3,047	0,97	
	6	2,400	28,075	4,000		3,047	0,97	9,23
		2,400	25,675	4,000		2,983	0,95	
	5	2,400	25,675	4,000		2,983	0,95	9,03
		2,400	23,275	4,000		2,915	0,93	
	4	2,400	23,275	4,000		2,915	0,93	8,81
		2,400	20,875	4,000		2,839	0,91	
	3	2,480	20,875	4,000		2,839	0,91	8,85
		2,480	18,395	4,000		2,753	0,88	
	2	2,500	18,395	4,000		2,753	0,88	8,62
		2,500	15,895	4,000		2,654	0,85	
	1	2,500	15,895	4,000		2,654	0,85	8,29
		2,500	13,395	4,000		2,541	0,81	
	flangia inferiore	0,175	13,395	4,000		2,541	0,81	0,57
		0,175	13,220	4,000		2,532	0,81	

	Elemento	H	z	d	F_{zi}	$c_e(z)$	p	F_{yi}
		[m]	[m]	[m]	[kN]		[kN/m^2]	[kN]
Tronco 1	flangia superiore	0,175	28,220	4,000		3,050	0,97	0,68
		0,175	28,045	4,000		3,046	0,97	
	5	2,930	28,045	4,000		3,046	0,97	11,24
		2,930	25,115	4,000		2,968	0,95	
	4	2,905	25,115	4,000		2,968	0,95	10,84
		2,905	22,210	4,000		2,882	0,92	
	3	1,500	22,210	4,000		2,882	0,92	5,47
		1,500	20,710	4,000		2,834	0,90	
	2	2,930	20,710	4,000		2,834	0,90	10,40
		2,930	17,780	4,000		2,730	0,87	
	1	2,570	17,780	4,000		2,730	0,87	8,78
		2,570	15,210	4,000		2,625	0,84	
	flangia inferiore	0,000	15,210	4,000		2,625	0,84	0,00
		0,000	15,210	4,000		2,625	0,84	

LE AZIONI F_{YI} SARANNO APPLICATE AD OGNI SINGOLO ELEMENTO CONCIO NEL MODELLO GENERALE DI CALCOLO ADOTTATO PER LA DEFINIZIONE DELLE AZIONI ALLA BASE.

1.1.2. AZIONE DELLA NEVE

TABELLA 2: DETERMINAZIONE DEI VALORI CARATTERISTICI PER LA VALUTAZIONE DEL CARICO NEVE SULLA NAVICELLA

Carichi caratteristici dovuti all'azione della neve			
Zona		III	
Altitudine sul livello del mare di riferimento regionale	$a_{s,r}$=	200,00	
Altitudine sul livello del mare del sito	a_s=	65,00	
Valore caratteristico del carico neve al suolo per a_s<200 m	$q_{s,k}$=	0,60	
Valore caratteristico del carico neve al suolo per a_s>200 m	$q_{s,k}=0.51*[1+(a_s/481)^2]$	/	
Coefficiente di forma della copertura	μ_i=	0,80	
Coefficiente di esposizione	C_E=	1,00	
Coefficiente termico	C_t=	1,00	
Carico neve unitario	$q_s= \mu_i * C_E * Ct * q_{s,k}$	48,00	daN/m^2

IL CARICO RISULTATE SULLA NAVICELLA DOVUTO ALLA NEVE RISULTA ESSERE DI 26,00 KN.

1.1.3. CARICHI ESTREMI

IN SINTESI I CARICHI AGENTI SULLA FONDAZIONE DELLA TORRE EOLICA SONO SINTETIZZATI NELLA SUCCESSIVA TABELLA 3:

TABELLA 3: SINTESI DEI CARICHI AGENTI SULLA FONDAZIONE DELLA TORRE EOLICA

Azioni sulla testa della torre (navicella + rotore + vento)						
	F_x	F_y	F_z	M_x	M_y	M_z
	[kN]	[kN]	[kN]	[kNm]	[kNm]	[kNm]
peso navicella			-1135			
vento navicella	-221	506		-3573	-2086	-1408
peso torre			-3530			
vento torre		557		-38438		
orizzontale navicella					-28655	
momento vento navicella				-65578		
totale	-221	1063	-4665	-107588	-30740	-1408
	1086			111894		

I CARICHI INDICATI IN TABELLA 3 RAPPRESENTANO QUELLI ATTINTI TENUTO CONTO DI [1]. PER TENER CONTO ANCHE DELLE AZIONI DEFINITE SECONDO [27], TALI SOLLECITAZIONI SARANNO INCREMENTATE DEL 6%.

TABELLA 4: CARICHI SECONDO [27]

Azioni						
F_x	F_y	F_z	M_x	M_y	M_z	h
F_{res}			M_{res}			
[kN]	[kN]	[kN]	[kNm]	[kNm]	[kNm]	[m]
1194,37		-5131,72	123083,21		-1548,80	0,20

1.1.4. CARATTERIZZAZIONE SISMICA DEL SITO

LA CARATTERIZZAZIONE SISMICA DEL SITO È DESCRITTA IN QUANTO DI SEGUITO RIPORTATO, CONSIDERATO CHE:

- L'AREA RICADE IN ZONA CLASSIFICATA 4;

- le strutture di cui trattasi rientrano tra quelle di interesse strategico per la Regione Puglia, dunque deve essere considerata una Classe d'uso IV (impianto rientrante nella categoria di Centrale Elettrica).

Tabella 5: Riassunto della caratterizzazione sismica del sito

☑ Spettri automatici							
Zona sismica						Zona 4	
Sito di costruzione: SP144, 72026 San Pancrazio salentino BR, Italia LON. 17.79020 LAT. 40.3972...						Individua	
Contenuto tra ID reticolo: 34809 34808 35030 35031							
Tipo di opera	Opera ordinaria			Vita nominale V_N		100	
Classe d'uso						Classe IV	
☐ Applica semplificazioni per zona 4							
☐ SLO-Pvr		Ag		FO		TC*	
☑ SLD-Pvr	63	Ag	0.386491	FO	2.47833	TC*	0.396627
☑ SLV-Pvr	10	Ag	0.707843	FO	2.86454	TC*	0.530387
☐ SLC-Pvr		Ag		FO		TC*	
Classe di duttilità						Classe B	
Quota di riferimento						<cm> 0	
Altezza della struttura						<cm> 11620.8	
Numero piani edificio						0	
Coefficiente θ						0	
☑ Edificio regolare in altezza							
☑ Edificio regolare in pianta							

Simbologia

T_{CC} = Tipo di combinazione di carico

T_R = Periodo di ritorno

A_G = Accelerazione orizzontale massima al sito

F_O = Valore massimo del fattore di amplificazione dello spettro in accelerazione orizzontale

T_C^* = Periodo di inizio del tratto a velocità costante dello spettro in accelerazione orizzontale

S_S = Coefficiente di amplificazione stratigrafica

C_C = Coefficiente funzione della categoria del suolo

1.2. INFORMAZIONI GEOTECNICHE

PER TUTTE LE INFORMAZIONI INERENTI LA CARATTERIZZAZIONE GEOTECNICA E LA CAPACITÀ PORTANTE DEI TERRENI DI FONDAZIONE SI RIMANDA ALLA RELAZIONE GEOLOGICA E ALLA RELAZIONE GEOTECNICA E SISMICA, PARTE INTEGRANTE DELLA PRESENTE RELAZIONE GENERALE DI CALCOLO. SI RIPORTA DI SEGUITO LO SCHEMA RIASSUNTIVO DEI TERRENI DI FONDAZIONE NELL'AREA IN OGGETTO.

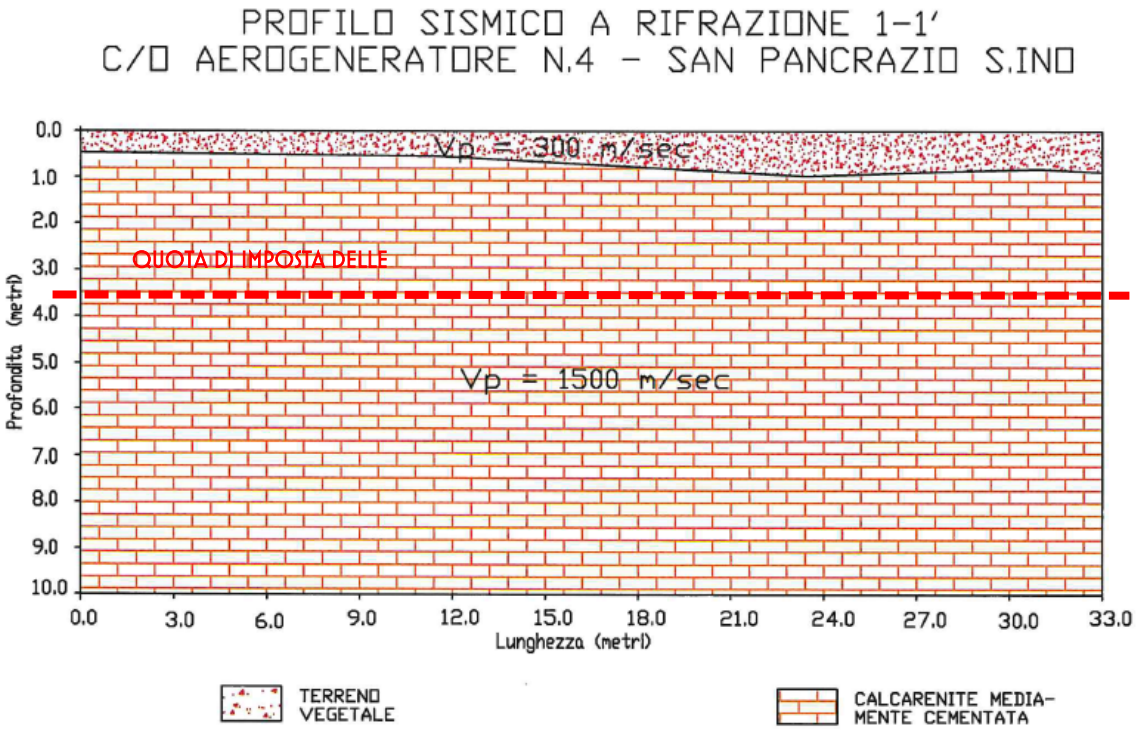


FIGURA 4: STRATIGRAFIA E TIPOLOGIA DI TERRENO DI FONDAZIONE TIPO 01

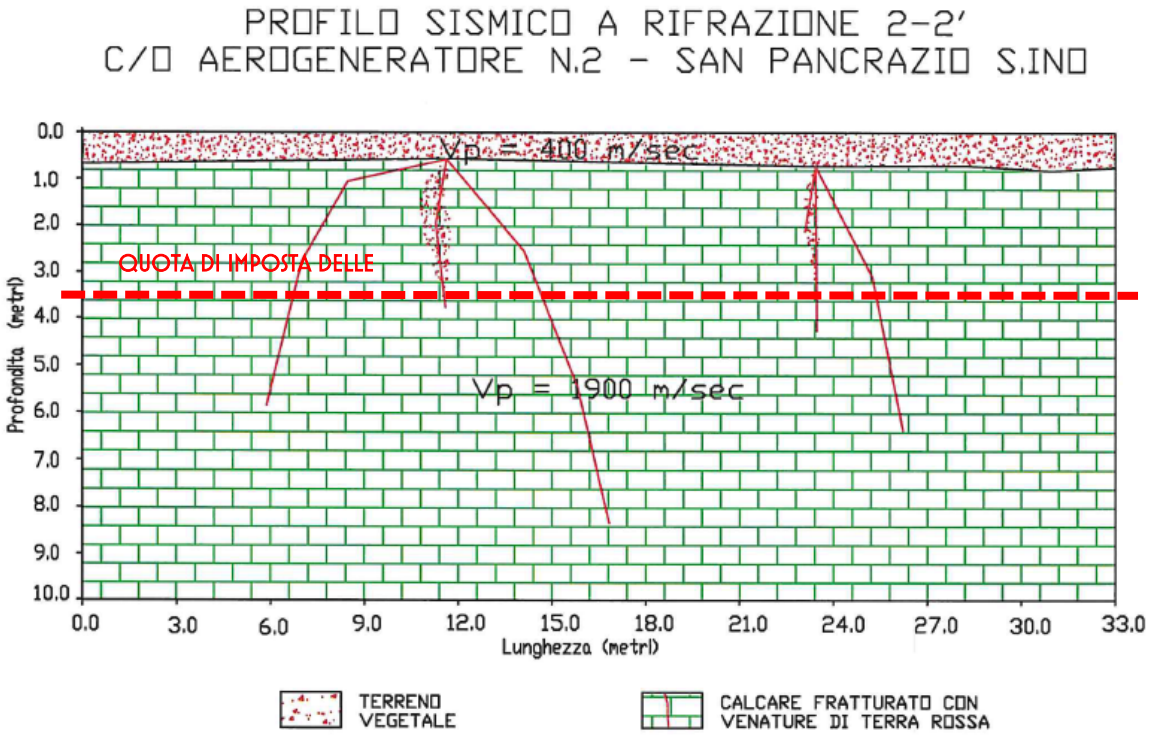


FIGURA 5: STRATIGRAFIA E TIPOLOGIA DI TERRENO DI FONDAZIONE TIPO O2

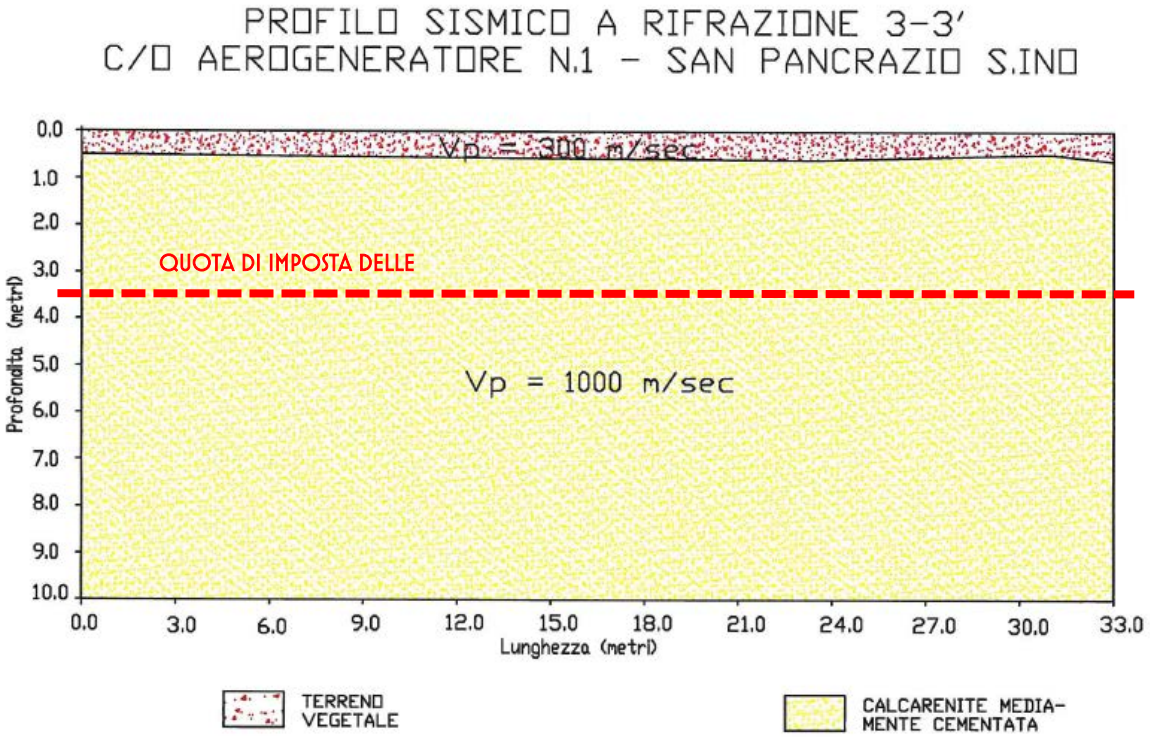


FIGURA 6: STRATIGRAFIA E TIPOLOGIA DI TERRENO DI FONDAZIONE TIPO O3

1.3. COEFFICENTI DI SICUREZZA PER CARICHI

I COEFFICIENTI DI MAGGIORAZIONE DEI CARICHI RACCOMANDATI DALL'EURO CODICE APPLICABILE SONO RIPORTATI NELLA SUCCESSIVA TABELLA RIEPILOGATIVA.

1. VERIFICA DI STABILITÀ (RIBALTAMENTO E SCORRIMENTO)

COEFFICIENTE DI MAGGIORAZIONE DEI CARICHI A SFAVORE DELLA SICUREZZA PER RIBALTAMENTO	1,35
COEFFICIENTE DI MAGGIORAZIONE DEI CARICHI A SFAVORE DELLA SICUREZZA PER SCORRIMENTO	1,35
COEFFICIENTE DI MAGGIORAZIONE DEI CARICHI A FAVORE DELLA SICUREZZA	0,9

2. VERIFICA DELLA CAPACITÀ PORTANTE DEL TERRENO (USANDO CARICHI CARATTERISTICI):

COEFFICIENTE DI MAGGIORAZIONE DEI CARICHI	1

3. VERIFICA STRUTTURALE DEL CEMENTO ARMATO

COEFFICIENTE DI MAGGIORAZIONE PER CARICHI ESTREMI A SFAVORE DELLA SICUREZZA	1,50
COEFFICIENTE DI MAGGIORAZIONE PER CARICHI ESTREMI A FAVORE DELLA SICUREZZA	0,9
COEFFICIENTE DI MAGGIORAZIONE PER CARICHI A SFAVORE DELLA SICUREZZA (PESO PROPRIO)	1,30
COEFFICIENTE DI MAGGIORAZIONE PER CARICHI A FAVORE DELLA SICUREZZA (PESO PROPRIO)	0,9

4. VERIFICA GAP

COEFFICIENTE DI MAGGIORAZIONE	1

5. VERIFICA A FATICA

COEFFICIENTE DI MAGGIORAZIONE PER CARICHI A FATICA	1

1.4. COEFFICENTI DI SICUREZZA PER I MATERIALI

I COEFFICIENTI DI MAGGIORAZIONE RACCOMANDATI DALL'EURO CODICE APPLICABILE SONO:

1. VERIFICA DELLA CAPACITÀ PORTANTE DEL TERRENO:

COEFFICIENTE DI SICUREZZA PER I MATERIALI	2.3

2. VERIFICA STRUTTURALE DEL CEMENTO ARMATO:

COEFFICIENTE DI SICUREZZA PER ARMATURA	1,15
COEFFICIENTE DI SICUREZZA PER CEMENTO	1,5

3.GHIERA, BARRE POST-TENSIONATE, CONNETTORI (EC-3, CE-4 E GL):

COEFFICIENTE DI SICUREZZA PER ACCIAIO E BARRE (CARICHI ESTREMI)	1,1
COEFFICIENTE DI SICUREZZA PER ACCIAIO E BARRE (CARCHI A FATICA)	1,25
COEFFICIENTE DI SICUREZZA PER CONNETTORI	1,25

2. DESCRIZIONE DEL MODELLO

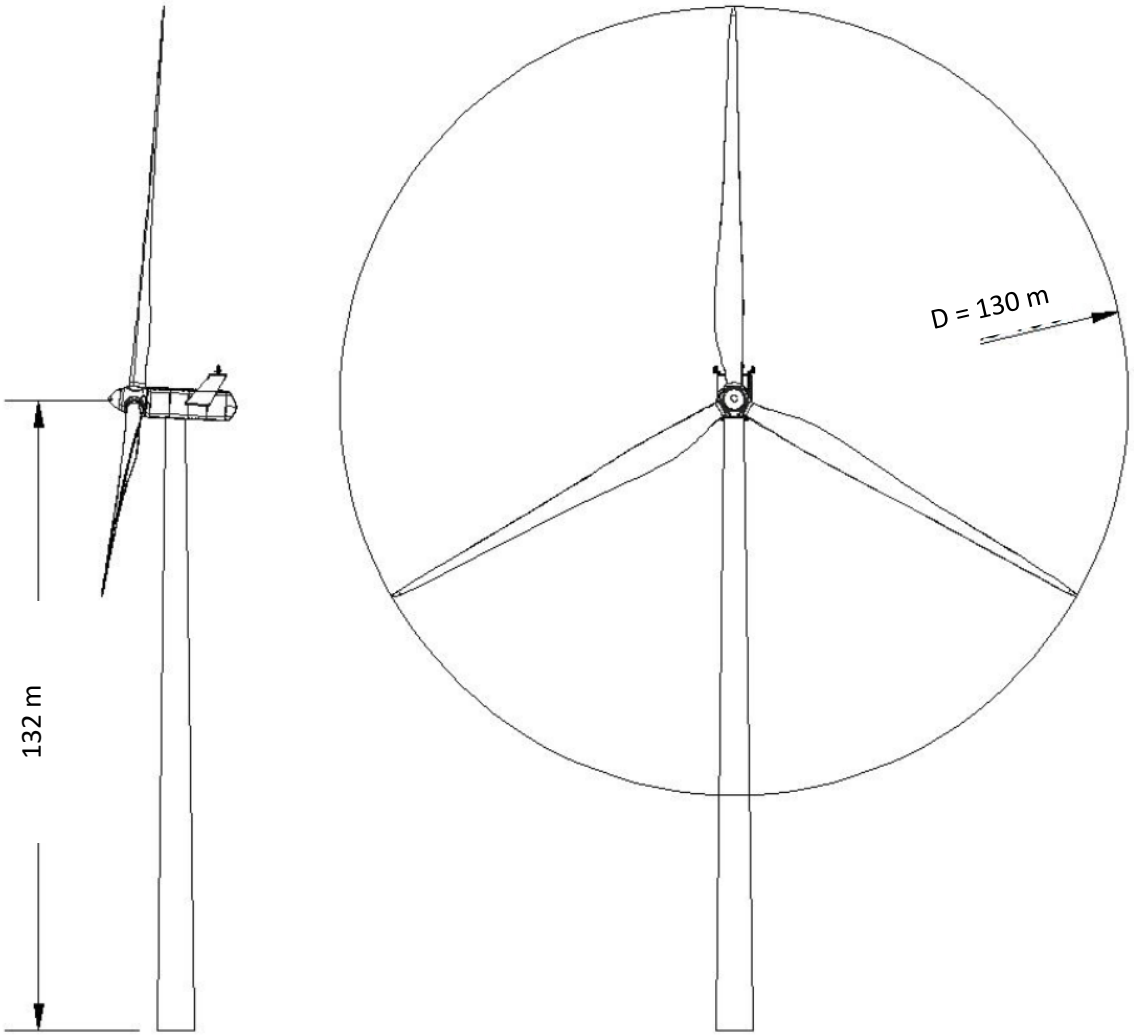


FIGURA 7: SCHEMA E DIMENSIONI DELLA TORRE EOLICA

2.1. FONDAZIONI

PER I TERRENI CLASSIFICATI COME CALCARI DI ALTAMURA, LE TORRI EOLICHE RICHIEDONO FONDAZIONI DI TIPO DIRETTO RAPPRESENTATE DA PLINTI TRONCOCONICI, IN CUI VIENE GENERALMENTE ANNEGATA LA VIROLA DI FONDAZIONE DELLA TORRE IN ACCIAIO.

PER I TERRENI CLASSIFICATI COME CALCARENITI DI GRAVINA, LE TORRI EOLICHE RICHIEDONO FONDAZIONI DI TIPO DIRETTO RAPPRESENTATE DA PLINTI TRONCOCONICI A CUI SI PREVEDE DI ASSOCIARE N. 10 PALI ϕ1200 MM E LUNGHEZZA

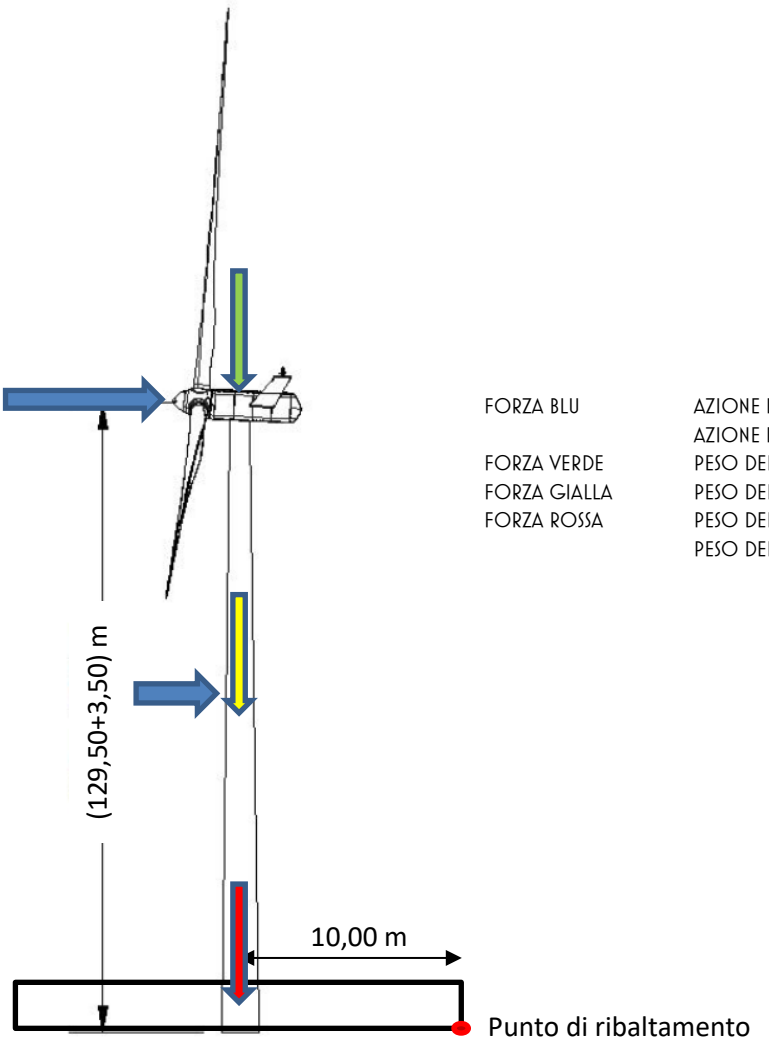
27 M (FONDAZIONI MISTE), IN CUI VIENE GENERALMENTE ANNEGATA LA VIROLA DI FONDAZIONE DELLA TORRE IN ACCIAIO.

PER I TERRENI CLASSIFICATI COME SABBIE (CALCARENITI MEDIAMENTE CEMENTATE), LE TORRI EOLICHE RICHIEDONO FONDAZIONI DI TIPO DIRETTO RAPPRESENTATE DA PLINTI TRONCOCONICI A CUI SI PREVEDE DI ASSOCIARE N. 10 PALI ϕ1200 MM E LUNGHEZZA 27 M (FONDAZIONI MISTE), IN CUI VIENE GENERALMENTE ANNEGATA LA VIROLA DI FONDAZIONE DELLA TORRE IN ACCIAIO.

SI OSSERVA INFINE CHE QUANTO DETERMINATO NELLA PRESENTE RELAZIONE È FRUTTO DELLE INDAGINI GEOGNOSTICHE INDIRETTE CONDOTTE PER LA PRESENTE FASE PROGETTUALE. LA TIPOLOGIA DI FONDAZIONE (DIRETTA) IN FASE ESECUTIVA PUÒ SUBIRE SOSTANZIALI MODIFICHE IN FUNZIONE DELLE INDAGINI GEOGNOSTICHE DIRETTE CHE SARANNO ESEGUITE IN FASE DI PROGETTAZIONE ESECUTIVA.
NEL CASO IN ESAME SARÀ, IN PRIMA APPROSSIMAZIONE, CONSIDERATA UNA FONDAZIONE DEL DIAMETRO DI 20 M, ALTEZZA VARIABILE DA CIRCA 1,85 M A CIRCA 3,50 (IN CORRISPONDENZA DELL'ATTACCO VIROLA – TORRE IN ACCIAIO).

2.1.1. VERIFICA AL RIBALTAMENTO

LA VERIFICA "A STABILITÀ AL RIBALTAMENTO", RAPPRESENTA IL PRIMO STEP PER IL CORRETTO PREDIMENSIONAMENTO DELLE STRUTTURE DI FONDAZIONE PER LE TORRI EOLICHE. FACENDO RIFERIMENTO ALLO SCHEMA IN FIGURA 5, NELLA SUCCESSIVA TABELLA 6 È RIPORTATA LA VERIFICA A RIBALTAMENTO.



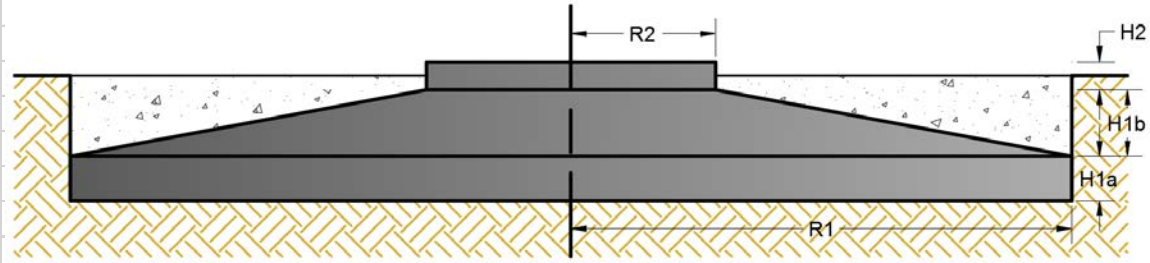
FORZA BLU	AZIONE DEL VENTO
	AZIONE DEL VENTO SUL PALO
FORZA VERDE	PESO DELLA NAVICELLA E DELLE PALE (ROTORE)
FORZA GIALLA	PESO DELLA TORRE IN ACCIAIO
FORZA ROSSA	PESO DELLA FONDAZIONE
	PESO DELLA ZAVORRA

FIGURA 5: SCHEMA STATICO PER LA VERIFICA A RIBALTAMENTO

TABELLA 6

Fondazione

Plinto



R_1	H_{1a}	H_{1b}	R_2	H_2	γ_c	γ_z	H_T		
[m]	[m]	[m]	[m]	[m]	[daN/m^3]	[daN/m^3]	[m]		
10,00	1,85	1,15	2,70	0,50	2500	1000	3,50		
	3,00								
Volume calcestruzzo 01			V_1	581,19		[m^3]			
Volume calcestruzzo 02			V_2	161,72		[m^3]			
Volume calcestruzzo 03			V_3	11,45					
	Volume totale calcestruzzo			V_c	754,37	[m^3]			
							1885920	[daN]	**Peso plinto**
Volume zavorra			V_z	188,11					
							188110	[daN]	**Peso zavorra**

Verifica al Ribaltamento

MOMENTO RIBALTANTE: $M_{rd}=1,5*M_{res}+1.5*F_{res}* h$

MOMENTO STABILIZZANTE: $M_{sd}=W*R_1+F_z* R_1$

Momento Ribaltante	M_{rd}	191254	kNm	1,22	Verificato!
Momento Stabilizzante	M_{sd}	232848	kNm		

2.1.2. MODELLO FEM

LE ANALISI NUMERICHE DA CUI SONO STATI DEDOTTI I VALORI DELLE SOLLECITAZIONI DI PROGETTO DI SEGUITO RIPORTATE SONO IL RISULTATO DELL'ANALISI SVOLTA CON L'AUSILIO DEL SOFTWARE DI MODELLAZIONE E VERIFICA "MODEST VER. 8.11" E CON IL SOFTWARE DI CALCOLO NUMERICO "XFINEST 2014 VER. 8.7". TUTTI I DETTAGLI DELLE VERIFICHE SONO RIPORTATI NELL'ALLEGATO TABULATO DI CALCOLO.

IL MODELLO DI CALCOLO RIPRODUCE LE IPOTESI PROGETTUALI RAPPRESENTATE DA:

- UNA FONDAZIONE TRONCO CONICA (DI ALTEZZA MINIMA PARI A 1850 MM E MASSIMA PARI A 3500 MM, CON DIAMETRO DI 20000 MM), CHE ACCOGLIE SULLA SUA SOMMITÀ IL CONCIO (O PIASTRE) DI FONDAZIONE IN ACCIAIO;

IL COMPORTAMENTO DELLA FONDAZIONE PIANA È STATO ANALIZZATO ATTRAVERSO UN MODELLO A ELEMENTI FINITI (FEM) COMPOSTO DA:

- ASTE CILINDRICHE CHE SI RASTREMANO VERSO LA SOMMITÀ DELLA TORRE;
- ELEMENTI BIDIMENSIONALI DI SPESSORE VARIABILE CHE SIMULANO LA FORMA TRONCOCONICA DEL PLINTO DI BASE;
- N. 10 PALI VINCOLATI AL PLINTO TRONCO CONICO.

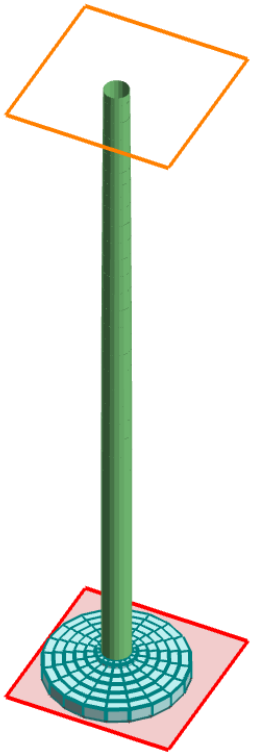


FIGURA 8: MODELLO SOLIDO DEL COMPLESSO TORRE IN ACCIAIO / BLOCCO DI FONDAZIONE

IL CEMENTO ARMATO È STATO SCHEMATIZZATO COME UN MATERIALE OMOGENEO, ISOTROPO A COMPORTAMENTO ELASTICO E LINEARE CON LE SEGUENTI CARATTERISTICHE MECCANICHE:

$$E = 3250 * \sqrt[2]{f_{ck,j}} + 14000 = 3250 * \sqrt[2]{30MPa} + 14000 = 28580 * 10^6 N/m^2$$

$$\mu = 0.2$$

I MODELLI STUDIATI PER QUESTA FASE PROGETTUALE SONO TRE (IL DETTAGLIO È RIPORTATO NELLE RELAZIONI DI CALCOLO E VERIFICA ALLEGATE ALLA PRESENTE RELAZIONE GENERALE), OVVERO:

- ST_001-A TORRE FONDATA SU TERRENI DI TIPO 01 (CALCARENITI DI GRAVINA) LA CUI STRUTTURA DI FONDAZIONE È COSTITUITA DA FONDAZIONI "MISTE" PLINTO + N. 10 PALI (DIAMETRO 1200 MM E LUNGHEZZA 27000 MM);
- ST_001-B TORRE FONDATA SU TERRENI DI TIPO 02 (CALCARI DI ALTAMURA) LA CUI STRUTTURA DI FONDAZIONE È COSTITUITA DA FONDAZIONI "DIRETTE" PLINTO (IN FASE ESECUTIVA, A VALLE DELLE INDAGINI GEOGNOSTICHE SU OGNI POSIZIONE DELLE TORRI SI VALUTERÀ LA EVENTUALE POSSIBILITÀ DI INTEGRARE TALE FONDAZIONE CON AUSILI CHE RISOLVANO PROBLEMI LOCALI DI CARSISMO E/O DI ECCESSIVA FRATTURAZIONE DEL LITOTIPO);
- ST_001-C TORRE FONDATA SU TERRENI DI TIPO 03 (SABBIE / CALCARENITI MEDIAMENTE CEMENTATE) LA CUI STRUTTURA DI FONDAZIONE È COSTITUITA DA FONDAZIONI "MISTE" PLINTO + N. 10 PALI (DIAMETRO 1200 MM E LUNGHEZZA 27000 MM).

2.2. CONDIZIONI AL CONTORNO

SI RIPORTANO NEL PRESENTE PARAGRAFO LE CONDIZIONI AL CONTORNO APPLICATE PER SIMULARE GLI EFFETTI DEL COMPORTAMENTO NON LINEARE DEL TERRENO A CUI È VINCOLATA LA FONDAZIONE DIRETTA.

IL TERRENO DI FONDAZIONE È STATO SCHEMATIZZATO SECONDO LA TEORIA DEL WINKLER.

IL PESO DEL TERRENO DI RIEMPIMENTO (DENOMINATO **ZAVORRA**) È STATO APPLICATO COME CARICO DISTRIBUITO NELLA PARTE SOVRASTANTE L'AREA DELLA FONDAZIONE PIANA; IL PESO SPECIFICO MINIMO PRESCRITTO PER TALE MATERIALE È DI 1000 DAN/M^3.

LA SPINTA ORIZZONTALE AGENTE SULLE AREE VERTICALI DELLA FONDAZIONE NON È STATA CONSIDERATA PERCHÉ QUESTO CARICO È EQUILIBRATO DALLA FONDAZIONE PIANA.

UNA STRUTTURA AUSILIARIA, DI RIGIDEZZA ADEGUATA, PERMETTE DI APPLICARE I CARICHI DELL'AEROGENERATORE (FORZE E MOMENTI) ALLA STRUTTURA DI FONDAZIONE. CON QUESTA STRUTTURA È STATO OTTENUTO UN MODELLO PIÙ ACCURATO DEL SISTEMA STRUTTURA / FONDAZIONE.

2.3. CARICHI APPLICATI

I CARICHI APPLICATI SONO SINTETIZZATI IN QUANTO SEGUE.

- PESO PROPRIO DEL CALCESTRUZZO ARMATO 2500 DAN/M^3
- PESO PROPRIO DEL RIEMPIMENTO 1200 DAN/M^3
- I CARICHI ESTERNI DALL'AEROGENERATORE (FORZE E MOMENTI), APPLICATI ATTRAVERSO LA STRUTTURA AUSILIARIA CHE TRASMETTE I CARICHI DAL NODO CENTRALE AI NODI DI INTERFACCIA

2.4. CONDIZIONI DI CARICO ELEMENTARE

CCE	Commento	Peso	C. A.	s	Mx	My	Mz	Jpx	Jpy	Jpz	Tipo CCE	Sicurezza	Variabilità
1	peso proprio struttura	☑	P	1.00	1.0	1.0	0.0	0.0	0.0	1.0	1 D.M. 08 Permanenti	a sfavore	
2	peso navicella	☐		1.00	1.0	1.0	0.0	0.0	0.0	1.0	2 D.M. 08 Permanenti	a sfavore	
3	vento navicella	☐		1.00	1.0	1.0	0.0	0.0	0.0	1.0	10 D.M. 08 Variabili	a sfavore	di base
4	vento torre	☐		1.00	1.0	1.0	0.0	0.0	0.0	1.0	10 D.M. 08 Variabili	a sfavore	di base
5	neve navicella	☐		1.00	1.0	1.0	0.0	0.0	0.0	1.0	11 D.M. 08 Variabili N	a sfavore	di base
6	zavorra	☐		1.00	1.0	1.0	0.0	0.0	0.0	1.0	1 D.M. 08 Permanenti	a sfavore	

L'AZIONE DEI CARICHI SU CITATI È STATA APPLICATA LUNGO UNA SOLA DIREZIONE PRINCIPALE, CONSIDERATO CHE LA GEOMETRIA DELLA FONDAZIONE È CIRCOLARE.

2.5. COMBINAZIONI DI CARICO

NELLA TABELLA DI SEGUITO RIPORTATA SONO INDICATE LE COMBINAZIONI DI CARICO ADOTTATE PER IL CALCOLO E LA VERIFICA DEL MODELLO STRUTTURALE.

CC	Commento	TCC	An.	Bk	1	2	3	4	5	6	S X	S Y
1	CC 1 - Amb. 1 (SLU	SLV	L		1.00	1.00	0.00	0.00	0.00	1.00	1.00	0.30
2	CC 2 - Amb. 1 (SLE)	SLD	L		1.00	1.00	0.00	0.00	0.00	1.00	1.00	0.30
3	CC 3 - Amb. 1 (SLU	SLV	L		1.00	1.00	0.00	0.00	0.00	1.00	1.00	-0.30
4	CC 4 - Amb. 1 (SLE)	SLD	L		1.00	1.00	0.00	0.00	0.00	1.00	1.00	-0.30
5	CC 5 - Amb. 1 (SLU	SLV	L		1.00	1.00	0.00	0.00	0.00	1.00	-1.00	0.30
6	CC 6 - Amb. 1 (SLE)	SLD	L		1.00	1.00	0.00	0.00	0.00	1.00	-1.00	0.30
7	CC 7 - Amb. 1 (SLU	SLV	L		1.00	1.00	0.00	0.00	0.00	1.00	-1.00	-0.30
8	CC 8 - Amb. 1 (SLE)	SLD	L		1.00	1.00	0.00	0.00	0.00	1.00	-1.00	-0.30
9	CC 9 - Amb. 1 (SLU	SLV	L		1.00	1.00	0.00	0.00	0.00	1.00	0.30	1.00
10	CC 10 - Amb. 1 (SL	SLD	L		1.00	1.00	0.00	0.00	0.00	1.00	0.30	1.00
11	CC 11 - Amb. 1 (SL	SLV	L		1.00	1.00	0.00	0.00	0.00	1.00	-0.30	1.00
12	CC 12 - Amb. 1 (SL	SLD	L		1.00	1.00	0.00	0.00	0.00	1.00	-0.30	1.00
13	CC 13 - Amb. 1 (SL	SLV	L		1.00	1.00	0.00	0.00	0.00	1.00	0.30	-1.00
14	CC 14 - Amb. 1 (SL	SLD	L		1.00	1.00	0.00	0.00	0.00	1.00	0.30	-1.00
15	CC 15 - Amb. 1 (SL	SLV	L		1.00	1.00	0.00	0.00	0.00	1.00	-0.30	-1.00
16	CC 16 - Amb. 1 (SL	SLD	L		1.00	1.00	0.00	0.00	0.00	1.00	-0.30	-1.00
17	CC 17 - Amb. 2 (SL	SLU	L		1.30	1.50	1.50	1.50	1.50	1.30	0.00	0.00
18	CC 18 - Amb. 2 (SL	SLE R	L		1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
19	CC 19 - Amb. 2 (SL	SLE F	L		1.00	1.00	0.20	0.20	0.20	1.00	0.00	0.00
20	CC 20 - Amb. 2 (SL	SLE Q	L		1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00

2.6. MATERIALI

I MATERIALI PREVISTI PER LA REALIZZAZIONE DELLA STRUTTURA DI FONDAZIONE SONO:

- CALCESTRUZZO C28/35
- ACCIAIO AD ADERENZA MIGLIORATA B450C

3. VERIFICHE STRUTTURALI

LE VERIFICHE DEI PALI DI FONDAZIONE SONO RIPORTATE NELL'ALLEGATA RELAZIONE DI CALCOLO E VERIFICA.

4. REFERENZE

[1] D.M. 14.01.2008 – NORME TECNICHE PER LE COSTRUZIONI 2008

[2] CIRCOLARE N. 617/C.S.LL.PP. DEL 02/02/2009

[3] LEGGE 5 NOVEMBRE 1971 N. 1086 – NORME PER LA DISCIPLINA DELLE OPERE IN CONGLOMERATO CEMENTIZIO ARMATO NORMALE E PRECOMPRESSO ED A STRUTTURA METALLICA.

[4] CIRCOLARE MINISTERO DEI LAVORI PUBBLICI 14 FEBBRAIO 1974, N.11951 – "APPLICAZIONE DELLE NORME SUL CEMENTO ARMATO".

[5] CIRCOLARE MINISTERO DEI LAVORI PUBBLICI 25 GENNAIO 1975, N.13229 – "L'IMPIEGO DI MATERIALI CON ELEVATE CARATTERISTICHE DI RESISTENZA PER CEMENTO ARMATO NORMALE E PRECOMPRESSO.

[6] • C.N.R. – UNI 10011-97 – "COSTRUZIONI DI ACCIAIO: ISTRUZIONI PER IL CALCOLO, L'ESECUZIONE, IL COLLAUDO E LA MANUTENZIONE".

[7] • OPCM 3274 D.D. 20/03/2003 S.M.I. – "PRIMI ELEMENTI IN MATERIA DI CRITERI GENERALI PER LA CLASSIFICAZIONE SISMICA DEL TERRITORIO NAZIONALE E DI NORMATIVE TECNICHE PER LE COSTRUZIONI IN ZONA SISMICA", E SUCCESSIVE MODIFICHE E INTEGRAZIONI (OPCM 3431 03/05/05).

[8] D.M.LL.PP. 20 NOVEMBRE 1987 – "NORME TECNICHE PER LA PROGETTAZIONE, ESECUZIONE E COLLAUDO DEGLI EDIFICI IN MURATURA E PER IL LORO CONSOLIDAMENTO".

[9] CIRC. MIN.LL.PP. N.11951 DEL 14 FEBBRAIO 1992 – CIRCOLARE ILLUSTRATIVA DELLA LEGGE N. 1086.

[10] D.M. 14 FEBBRAIO 1992 – NORME TECNICHE PER L'ESECUZIONE DELLE OPERE IN CEMENTO ARMATO NORMALE, PRECOMPRESSO E PER LE STRUTTURE METALLICHE.

[11] CIRC. MIN.LL.PP. N.37406 DEL 24 GIUGNO 1993 – ISTRUZIONI RELATIVE ALLE NORME TECNICHE PER L'ESECUZIONE DELLE OPERE IN C.A. NORMALE E PRECOMPRESSO E PER LE STRUTTURE METALLICHE DI CUI AL D.M. 14 FEBBRAIO 1992.

[12] D.M. 9 GENNAIO 1996 – NORME TECNICHE PER L'ESECUZIONE DELLE OPERE IN CEMENTO ARMATO NORMALE E PRECOMPRESSO E PER LE STRUTTURE METALLICHE.

[13] CIRC. MIN. LL.PP. 15.10.1996 N.252 AA.GG./S.T.C. – ISTRUZIONI PER L'APPLICAZIONE DELLE «NORME TECNICHE PER IL CALCOLO E L'ESECUZIONE ED IL COLLAUDO DELLE STRUTTURE IN CEMENTO ARMATO NORMALE E PRECOMPRESSO E PER LE STRUTTURE METALLICHE» DI CUI AL D.M. 09.01.1996.

[14] D.M. 16 GENNAIO 1996 – NORME TECNICHE RELATIVE AI CRITERI GENERALI PER LA VERIFICA DI SICUREZZA DELLE COSTRUZIONI E DEI CARICHI E SOVRACCARICHI

[15] • CIRC. MIN.LL.PP. N.156AA.GG./S.T.C. DEL 4 LUGLIO 1996 – ISTRUZIONI PER L'APPLICAZIONE DELLE "NORME TECNICHE RELATIVE AI CRITERI GENERALI PER LA VERIFICA DI SICUREZZA DELLE COSTRUZIONI E DEI CARICHI E SOVRACCARICHI" DI CUI AL D.M. 16 GENNAIO 1996.

[16] D.M. 16.1.1996 – NORME TECNICHE RELATIVE ALLE COSTRUZIONI IN ZONE SISMICHE

[17] CIRC. MIN. LL.PP. 10.4.1997, N. 65 – ISTRUZIONI PER L'APPLICAZIONE DELLE "NORME TECNICHE RELATIVE ALLE COSTRUZIONI IN ZONE SISMICHE" DI CUI AL D.M. 16 GENNAIO 1996

[18] EUROCODICE 1 – BASI DI CALCOLO ED AZIONI SULLE STRUTTURE

[19] EUROCODICE 2 – PROGETTAZIONE DELLE STRUTTURE DI CALCESTRUZZO

[20] EUROCODICE 3 – PROGETTAZIONE DELLE STRUTTURE DI ACCIAIO

[21] EUROCODICE 4 – PROGETTAZIONE DELLE STRUTTURE COMPOSTE ACCIAIO-CALCESTRUZZO

[22] EUROCODICE 5 – PROGETTAZIONE DELLE STRUTTURE DI LEGNO

[23] EUROCODICE 6 – PROGETTAZIONE DELLE STRUTTURE DI MURATURA

[24] EUROCODICE 7 – PROGETTAZIONE GEOTECNICA

[25] EUROCODICE 8 –INDICAZIONI PROGETTUALI PER LA RESISTENZA SISMICA DELLE STRUTTURE

[26] GERMANISCHER LLOYD (GL) – REGOLE E LINEE GUIDA, 2003. "RULES AND REGULATION FOR THE CERTIFICATION OF WIND ENERGY CONVERSION SYSTEMS".

[27] IEC INTERNATIONAL STANDARD. "WIND TURBINE GENERATOR SYSTEMS". REFERENCE NUMBER 61400-1

LECCE, FEBBRAIO 2018

ING. GIOVANNI LUCA D'AMATO

ORDINE INGEGNERI PROV. DI LECCE
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ALLEGATO: TABULATI DI CALCOLO

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:
- Legge n. 64 del 2/2/1974 - Provvedimenti per le costruzioni con particolari prescrizioni per le zone sismiche.

- D.M. del 24/1/1986 - Norme tecniche relative alle costruzioni sismiche.

- Legge n. 1086 del 5/11/1971 - Norme per la disciplina delle opere di conglomerato cementizio armato, normale e precompresso ed a struttura metallica.

- D.M. del 14/2/1992 - Norme tecniche per l'esecuzione delle opere in c.a. normale e precompresso e per le strutture metalliche.

- D.M. del 9/1/1996 - Norme tecniche per l'esecuzione delle opere in c.a. normale e precompresso e per le strutture metalliche.

- D.M. del 16/1/1996 - Norme tecniche per le costruzioni in zone sismiche.

- Circolare n. 21745 del 30/7/1981 - Legge n. 219 del 14/5/1981 - Art. 10 - Istruzioni relative al rafforzamento degli edifici in muratura danneggiati dal sisma.

- Regione Autonoma Friuli Venezia Giulia - Legge Regionale n. 30 del 20/6/1977 - Documentazione tecnica per la progettazione e direzione delle opere di riparazione degli edifici - Documento Tecnico n. 2 - Raccomandazioni per la riparazione strutturale degli edifici in muratura.

- D.M. del 20/11/1987 - Norme Tecniche per la progettazione, esecuzione e collaudo degli edifici in muratura e per il loro consolidamento.

- Norme Tecniche C.N.R. n. 10011-85 del 18/4/1985 - Costruzioni di acciaio - Istruzioni per il calcolo, l'esecuzione, il collaudo e la manutenzione.

- Norme Tecniche C.N.R. n. 10025-84 del 14/12/1984 - Istruzioni per il progetto, l'esecuzione ed il controllo

delle strutture prefabbricate in conglomerato cementizio e per le strutture costruite con sistemi industrializzati di acciaio - Istruzioni per il calcolo, l'esecuzione, il collaudo e la manutenzione.

- Circolare n. 65 del 10/4/1997 - Istruzioni per l'applicazione delle "Norme tecniche per le costruzioni in zone sismiche" di cui al D.M. del 16/1/1996.

- Eurocodice 5 - Progettazione delle strutture di legno.

- DIN 1052 - Metodi di verifica per il legno.

- 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.

- Documento Tecnico CNR-DT 200 R1/2012 - Istruzioni per la Progettazione, l'Esecuzione ed il Controllo di Interventi di Consolidamento Statico mediante l'utilizzo di Compositi Fibrorinforzati.

- Eurocodice 3 - Progettazione delle strutture in acciaio.

- UNI EN 1992-1-2 - Aprile 2005 - Eurocodice 2 - Progettazione delle strutture di calcestruzzo - Parte 1-2: Regole generali - Progettazione strutturale contro l'incendio.

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
TV = Tipo vincolo se valutato da stratigrafia
SP = Plinto senza pali
CP = Palo o plinto con pali
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.	TV	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				
5	calcarenite	CP	E	E	E	E	E	B				f(strat.)
5	calcarenite	SP	B	B	E	B	B	B				f(strat.)

Elenco costanti elastiche nodali

Simbologia
Nodo = Numero del nodo
Kx = Costante elastica in dir. X
Ky = Costante elastica in dir. Y
Kz = Costante elastica in dir. Z
KRx = Costante elastica intorno all'asse X
KRy = Costante elastica intorno all'asse Y

Nodo	Kx <daN/cm>	Ky <daN/cm>	Kz <daN/cm>	KRx <daNm/rad>	KRy <daNm/rad>
335	189509.00	189509.00	2722940.00	109304000.00	109304000.00
337	189509.00	189509.00	2722940.00	109304000.00	109304000.00
339	189509.00	189509.00	2722940.00	109304000.00	109304000.00
341	189509.00	189509.00	2722940.00	109304000.00	109304000.00
343	189509.00	189509.00	2722940.00	109304000.00	109304000.00
345	189509.00	189509.00	2722940.00	109304000.00	109304000.00
347	189509.00	189509.00	2722940.00	109304000.00	109304000.00

349	189509.00	189509.00	2722940.00	109304000.00	109304000.00
351	189509.00	189509.00	2722940.00	109304000.00	109304000.00
353	189509.00	189509.00	2722940.00	109304000.00	109304000.00

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	Nodo	X <m>	Y <m>	Z <m>	Imp.	Vn	Nodo	X <m>	Y <m>	Z <m>	Imp.	Vn
-123	0.00	0.00	30.02	0	1	-122	0.00	0.00	27.61	0	1	-121	0.00	0.00	25.21	0	1
-120	0.00	0.00	22.77	0	1	-119	0.00	0.00	20.29	0	1	-118	0.00	0.00	17.79	0	1
-117	0.00	0.00	31.21	0	1	-116	0.00	0.00	4.99	0	1	-115	0.00	0.00	7.74	0	1
-114	0.00	0.00	9.95	0	1	-113	0.00	0.00	12.15	0	1	-112	0.00	0.00	15.07	0	1
-111	0.00	0.00	32.47	0	1	-110	0.00	0.00	35.02	0	1	-109	0.00	0.00	37.63	0	1
-108	0.00	0.00	40.30	0	1	-107	0.00	0.00	43.01	0	1	-106	0.00	0.00	45.82	0	1
-105	0.00	0.00	48.75	0	1	-104	0.00	0.00	51.67	0	1	-103	0.00	0.00	54.58	0	1
-102	0.00	0.00	57.49	0	1	-101	0.00	0.00	60.40	0	1	-100	0.00	0.00	63.31	0	1
-99	0.00	0.00	66.23	0	1	-98	0.00	0.00	69.14	0	1	-97	0.00	0.00	71.80	0	1
-96	0.00	0.00	74.22	0	1	-95	0.00	0.00	76.88	0	1	-94	0.00	0.00	79.77	0	1
-93	0.00	0.00	82.65	0	1	-92	0.00	0.00	85.54	0	1	-91	0.00	0.00	88.43	0	1
-90	0.00	0.00	91.31	0	1	-89	0.00	0.00	94.20	0	1	-88	0.00	0.00	96.68	0	1
-87	0.00	0.00	98.74	0	1	-86	0.00	0.00	100.80	0	1	-85	0.00	0.00	103.27	0	1
-84	0.00	0.00	106.14	0	1	-83	0.00	0.00	109.01	0	1	-82	0.00	0.00	111.88	0	1
-81	0.00	0.00	114.75	0	1	-80	0.00	0.00	117.12	0	1	-79	0.00	0.00	120.00	0	1
-78	0.00	0.00	122.87	0	1	-77	0.00	0.00	125.40	0	1	-76	0.00	0.00	127.60	0	1
-75	0.00	0.00	129.79	0	1	-74	1.90	-0.62	3.70	0	1	-73	1.62	-1.18	3.70	0	1
-72	1.18	-1.62	3.70	0	1	-71	0.62	-1.90	3.70	0	1	-70	0.00	-2.00	3.70	0	1
-69	-0.62	-1.90	3.70	0	1	-68	-1.18	-1.62	3.70	0	1	-67	-1.62	-1.18	3.70	0	1
-66	-1.90	-0.62	3.70	0	1	-65	-2.00	-0.00	3.70	0	1	-64	-1.90	0.62	3.70	0	1
-63	-1.62	1.18	3.70	0	1	-62	-1.18	1.62	3.70	0	1	-61	-0.62	1.90	3.70	0	1
-60	-0.00	2.00	3.70	0	1	-59	0.62	1.90	3.70	0	1	-58	1.18	1.62	3.70	0	1
-57	1.62	1.18	3.70	0	1	-56	1.90	0.62	3.70	0	1	-55	1.90	-0.62	0.00	0	3
-54	1.62	-1.18	0.00	0	3	-53	1.18	-1.62	0.00	0	3	-52	0.62	-1.90	0.00	0	3
-51	0.00	-2.00	0.00	0	3	-50	-0.62	-1.90	0.00	0	3	-49	-1.18	-1.62	0.00	0	3
-48	-1.62	-1.18	0.00	0	3	-47	-1.90	-0.62	0.00	0	3	-46	-2.00	-0.00	0.00	0	3
-45	-1.90	0.62	0.00	0	3	-44	-1.62	1.18	0.00	0	3	-43	-1.18	1.62	0.00	0	3
-42	-0.62	1.90	0.00	0	3	-41	-0.00	2.00	0.00	0	3	-40	0.62	1.90	0.00	0	3
-39	1.18	1.62	0.00	0	3	-38	1.62	1.18	0.00	0	3	-37	1.90	0.62	0.00	0	3
-19	2.00	0.00	3.70	0	1	-1	2.00	0.00	0.00	0	3	1	0.00	0.00	0.00	0	3
2	2.70	0.00	0.00	0	3	110	0.00	0.00	3.70	0	1	111	0.00	0.00	1.50	0	3
112	0.00	0.00	6.27	0	1	113	0.00	0.00	9.20	0	1	114	0.00	0.00	10.70	0	1
115	0.00	0.00	13.61	0	1	116	0.00	0.00	16.54	0	1	117	0.00	0.00	33.72	0	1
118	0.00	0.00	36.31	0	1	119	0.00	0.00	38.95	0	1	120	0.00	0.00	41.66	0	1
121	0.00	0.00	44.35	0	1	122	0.00	0.00	47.28	0	1	123	0.00	0.00	50.22	0	1
124	0.00	0.00	53.13	0	1	125	0.00	0.00	56.04	0	1	126	0.00	0.00	58.95	0	1
127	0.00	0.00	61.86	0	1	128	0.00	0.00	64.77	0	1	129	0.00	0.00	67.68	0	1
130	0.00	0.00	70.59	0	1	131	0.00	0.00	73.01	0	1	132	0.00	0.00	75.44	0	1
133	0.00	0.00	78.32	0	1	134	0.00	0.00	81.21	0	1	135	0.00	0.00	84.10	0	1
136	0.00	0.00	86.98	0	1	137	0.00	0.00	89.87	0	1	138	0.00	0.00	92.76	0	1
139	0.00	0.00	95.64	0	1	140	0.00	0.00	97.71	0	1	141	0.00	0.00	99.77	0	1
142	0.00	0.00	101.83	0	1	143	0.00	0.00	104.70	0	1	144	0.00	0.00	107.57	0	1
145	0.00	0.00	110.44	0	1	146	0.00	0.00	113.31	0	1	147	0.00	0.00	115.69	0	1
148	0.00	0.00	118.56	0	1	149	0.00	0.00	121.43	0	1	150	0.00	0.00	124.31	0	1
151	0.00	0.00	126.50	0	1	152	0.00	0.00	128.69	0	1	153	0.00	0.00	130.89	0	1
249	2.57	0.83	0.00	0	3	250	2.18	1.59	0.00	0	3	251	1.59	2.18	0.00	0	3
252	0.83	2.57	0.00	0	3	253	0.00	2.70	0.00	0	3	254	-0.83	2.57	0.00	0	3
255	-1.59	2.18	0.00	0	3	256	-2.18	1.59	0.00	0	3	257	-2.57	0.83	0.00	0	3
258	-2.70	0.00	0.00	0	3	259	-2.57	-0.83	0.00	0	3	260	-2.18	-1.59	0.00	0	3
261	-1.59	-2.18	0.00	0	3	262	-0.83	-2.57	0.00	0	3	263	-0.00	-2.70	0.00	0	3
264	0.83	-2.57	0.00	0	3	265	1.59	-2.18	0.00	0	3	266	2.18	-1.59	0.00	0	3
267	2.57	-0.83	0.00	0	3	268	0.00	0.00	19.04	0	1	269	0.00	0.00	21.54	0	1
270	0.00	0.00	24.02	0	1	271	0.00	0.00	26.41	0	1	272	0.00	0.00	28.82	0	1
273	4.16	0.00	0.00	0	3	274	5.62	0.00	0.00	0	3	275	7.08	0.00	0.00	0	3
276	8.54	0.00	0.00	0	3	277	10.00	0.00	0.00	0	3	278	3.96	1.29	0.00	0	3
279	3.37	2.45	0.00	0	3	280	2.45	3.37	0.00	0	3	281	1.29	3.96	0.00	0	3
282	-0.00	4.16	0.00	0	3	283	-1.29	3.96	0.00	0	3	284	-2.45	3.37	0.00	0	3
285	-3.37	2.45	0.00	0	3	286	-3.96	1.29	0.00	0	3	287	-4.16	-0.00	0.00	0	3
288	-3.96	-1.29	0.00	0	3	289	-3.37	-2.45	0.00	0	3	290	-2.45	-3.37	0.00	0	3
291	-1.29	-3.96	0.00	0	3	292	0.00	-4.16	0.00	0	3	293	1.29	-3.96	0.00	0	3
294	2.45	-3.37	0.00	0	3	295	3.37	-2.45	0.00	0	3	296	3.96	-1.29	0.00	0	3
297	5.34	1.74	0.00	0	3	298	4.55	3.30	0.00	0	3	299	3.30	4.55	0.00	0	3
300	1.74	5.34	0.00	0	3	301	-0.00	5.62	0.00	0	3	302	-1.74	5.34	0.00	0	3

303	-3.30	4.55	0.00	0	3
306	-5.62	-0.00	0.00	0	3
309	-3.30	-4.55	0.00	0	3
312	1.74	-5.34	0.00	0	3
315	5.34	-1.74	0.00	0	3
318	4.16	5.73	0.00	0	3
321	-2.19	6.73	0.00	0	3
324	-6.73	2.19	0.00	0	3
327	-5.73	-4.16	0.00	0	3
330	0.00	-7.08	0.00	0	3
333	5.73	-4.16	0.00	0	3
336	6.91	5.02	0.00	0	3
339	0.00	8.54	0.00	0	5
342	-6.91	5.02	0.00	0	3
345	-8.12	-2.64	0.00	0	5
348	-2.64	-8.12	0.00	0	3
351	5.02	-6.91	0.00	0	5
354	9.51	3.09	0.00	0	3
357	3.09	9.51	0.00	0	3
360	-5.88	8.09	0.00	0	3
363	-10.00	0.00	0.00	0	3
366	-5.88	-8.09	0.00	0	3
369	3.09	-9.51	0.00	0	3
372	9.51	-3.09	0.00	0	3

304	-4.55	3.30	0.00	0	3
307	-5.34	-1.74	0.00	0	3
310	-1.74	-5.34	0.00	0	3
313	3.30	-4.55	0.00	0	3
316	6.73	2.19	0.00	0	3
319	2.19	6.73	0.00	0	3
322	-4.16	5.73	0.00	0	3
325	-7.08	-0.00	0.00	0	3
328	-4.16	-5.73	0.00	0	3
331	2.19	-6.73	0.00	0	3
334	6.73	-2.19	0.00	0	3
337	5.02	6.91	0.00	0	5
340	-2.64	8.12	0.00	0	3
343	-8.12	2.64	0.00	0	5
346	-6.91	-5.02	0.00	0	3
349	-0.00	-8.54	0.00	0	5
352	6.91	-5.02	0.00	0	3
355	8.09	5.88	0.00	0	3
358	0.00	10.00	0.00	0	3
361	-8.09	5.88	0.00	0	3
364	-9.51	-3.09	0.00	0	3
367	-3.09	-9.51	0.00	0	3
370	5.88	-8.09	0.00	0	3

305	-5.34	1.74	0.00	0	3
308	-4.55	-3.30	0.00	0	3
311	0.00	-5.62	0.00	0	3
314	4.55	-3.30	0.00	0	3
317	5.73	4.16	0.00	0	3
320	-0.00	7.08	0.00	0	3
323	-5.73	4.16	0.00	0	3
326	-6.73	-2.19	0.00	0	3
329	-2.19	-6.73	0.00	0	3
332	4.16	-5.73	0.00	0	3
335	8.12	2.64	0.00	0	5
338	2.64	8.12	0.00	0	3
341	-5.02	6.91	0.00	0	5
344	-8.54	0.00	0.00	0	3
347	-5.02	-6.91	0.00	0	5
350	2.64	-8.12	0.00	0	3
353	8.12	-2.64	0.00	0	5
356	5.88	8.09	0.00	0	3
359	-3.09	9.51	0.00	0	3
362	-9.51	3.09	0.00	0	3
365	-8.09	-5.88	0.00	0	3
368	-0.00	-10.00	0.00	0	3
371	8.09	-5.88	0.00	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
2	Acciaio	7850	2100000.00	800000.00	0.3	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
s = Spessore
R = Raggio
Ma = Numero del materiale
C = Numero del criterio di progetto
Ccol = Numero del criterio di progetto collegamento

Sez.	Comm.	Tipo	Me	Ver.	s <cm>	R <cm>	Ma	C	Ccol
1	s_01_01	Cir.c	T	A	5.50	200.00	2	1	1
3	s_01_03	Cir.c	T	A	3.88	200.00	2	1	1
5	s_02_02	Cir.c	T	A	3.52	200.00	2	1	1
7	s_02_04	Cir.c	T	A	3.20	200.00	2	1	1
9	s_02_06	Cir.c	T	A	2.87	200.00	2	1	1
11	s_03_01	Cir.c	T	A	2.82	199.70	2	1	1
13	s_03_03	Cir.c	T	A	2.53	198.60	2	1	1
15	s_03_05	Cir.c	T	A	2.50	197.40	2	1	1
17	s_03_08	Cir.c	T	A	2.19	195.70	2	1	1
19	s_04_01	Cir.c	T	A	2.08	194.30	2	1	1
21	s_04_03	Cir.c	T	A	1.96	191.60	2	1	1
23	s_04_05	Cir.c	T	A	1.85	188.90	2	1	1
25	s_04_07	Cir.c	T	A	1.74	186.10	2	1	1
27	s_04_09	Cir.c	T	A	1.60	184.00	2	1	1
29	s_05_01	Cir.c	T	A	1.54	181.50	2	1	1
31	s_05_03	Cir.c	T	A	1.40	177.50	2	1	1
33	s_05_06	Cir.c	T	A	1.54	171.50	2	1	1
35	s_05_08	Cir.c	T	A	1.41	167.50	2	1	1
37	s_05_10	Cir.c	T	A	1.60	164.20	2	1	1
39	s_03_06	Cir.c	T	A	2.34	196.80	2	1	1
2	s_01_02	Cir.c	T	A	5.80	200.00	2	1	1
4	s_02_01	Cir.c	T	A	3.66	200.00	2	1	1
6	s_02_03	Cir.c	T	A	3.37	200.00	2	1	1
8	s_02_05	Cir.c	T	A	3.02	200.00	2	1	1
10	s_02_07	Cir.c	T	A	2.77	200.00	2	1	1
12	s_03_02	Cir.c	T	A	2.60	199.10	2	1	1
14	s_03_04	Cir.c	T	A	2.48	198.00	2	1	1
16	s_03_07	Cir.c	T	A	2.27	196.30	2	1	1
18	s_03_09	Cir.c	T	A	2.14	195.30	2	1	1
20	s_04_02	Cir.c	T	A	2.04	193.00	2	1	1
22	s_04_04	Cir.c	T	A	1.90	190.20	2	1	1
24	s_04_06	Cir.c	T	A	1.77	187.50	2	1	1
26	s_04_08	Cir.c	T	A	1.66	185.00	2	1	1
28	s_04_10	Cir.c	T	A	1.60	183.00	2	1	1
30	s_05_02	Cir.c	T	A	1.48	179.50	2	1	1
32	s_05_05	Cir.c	T	A	1.30	173.50	2	1	1
34	s_05_07	Cir.c	T	A	1.45	169.50	2	1	1
36	s_05_09	Cir.c	T	A	1.40	165.70	2	1	1
38	s_05_11	Cir.c	T	A	2.00	162.70	2	1	1
40	s_05_04	Cir.c	T	A	1.32	175.50	2	1	1

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	2	273		1		0.00	55	0.00	0.00	0.00	0.00	
0	273	274		1		0.00	55	0.00	0.00	0.00	0.00	
0	274	275		1		0.00	55	0.00	0.00	0.00	0.00	
0	275	276		1		0.00	55	0.00	0.00	0.00	0.00	
0	276	277		1		0.00	55	0.00	0.00	0.00	0.00	
0	116	-118	3	1		0.00	55	0.00	0.00	0.00	0.00	
0	-118	268	3	1		0.00	55	0.00	0.00	0.00	0.00	
0	268	-119	3	1		0.00	55	0.00	0.00	0.00	0.00	
0	-119	269	3	1		0.00	55	0.00	0.00	0.00	0.00	
0	269	-120	3	1		0.00	55	0.00	0.00	0.00	0.00	
0	-120	270	3	1		0.00	55	0.00	0.00	0.00	0.00	
0	270	-121	3	1		0.00	55	0.00	0.00	0.00	0.00	
0	-121	271	3	1		0.00	55	0.00	0.00	0.00	0.00	
0	271	-122	3	1		0.00	55	0.00	0.00	0.00	0.00	
0	-122	272	3	1		0.00	55	0.00	0.00	0.00	0.00	
0	272	-123	3	1		0.00	55	0.00	0.00	0.00	0.00	
0	-123	-117	3	1		0.00	55	0.00	0.00	0.00	0.00	
0	-117	-111	4	1		0.00	55	0.00	0.00	0.00	0.00	
10	110	-116	2	1		0.00	55	0.00	0.00	0.00	0.00	
10	-116	112	1	1		0.00	55	0.00	0.00	0.00	0.00	
10	112	-115	1	1		0.00	55	0.00	0.00	0.00	0.00	
10	-115	113	1	1		0.00	55	0.00	0.00	0.00	0.00	
10	113	-114	1	1		0.00	55	0.00	0.00	0.00	0.00	
10	-114	114	1	1		0.00	55	0.00	0.00	0.00	0.00	
10	114	-113	1	1		0.00	55	0.00	0.00	0.00	0.00	
10	-113	115	1	1		0.00	55	0.00	0.00	0.00	0.00	
10	115	-112	3	1		0.00	55	0.00	0.00	0.00	0.00	
10	-112	116	3	1		0.00	55	0.00	0.00	0.00	0.00	
10	-111	117	4	1		0.00	55	0.00	0.00	0.00	0.00	
10	117	-110	5	1		0.00	55	0.00	0.00	0.00	0.00	
10	-110	118	5	1		0.00	55	0.00	0.00	0.00	0.00	
10	118	-109	6	1		0.00	55	0.00	0.00	0.00	0.00	
10	-109	119	6	1		0.00	55	0.00	0.00	0.00	0.00	
10	119	-108	7	1		0.00	55	0.00	0.00	0.00	0.00	
10	-108	120	7	1		0.00	55	0.00	0.00	0.00	0.00	
10	120	-107	8	1		0.00	55	0.00	0.00	0.00	0.00	
10	-107	121	8	1		0.00	55	0.00	0.00	0.00	0.00	
10	121	-106	9	1		0.00	55	0.00	0.00	0.00	0.00	
10	-106	122	9	1		0.00	55	0.00	0.00	0.00	0.00	
10	122	-105	10	1		0.00	55	0.00	0.00	0.00	0.00	
10	-105	123	10	1		0.00	55	0.00	0.00	0.00	0.00	
10	123	-104	11	1		0.00	55	0.00	0.00	0.00	0.00	
10	-104	124	11	1		0.00	55	0.00	0.00	0.00	0.00	
10	124	-103	12	1		0.00	55	0.00	0.00	0.00	0.00	
10	-103	125	12	1		0.00	55	0.00	0.00	0.00	0.00	
10	125	-102	13	1		0.00	55	0.00	0.00	0.00	0.00	
10	-102	126	13	1		0.00	55	0.00	0.00	0.00	0.00	
10	126	-101	14	1		0.00	55	0.00	0.00	0.00	0.00	
10	-101	127	14	1		0.00	55	0.00	0.00	0.00	0.00	
10	127	-100	15	1		0.00	55	0.00	0.00	0.00	0.00	
10	-100	128	15	1		0.00	55	0.00	0.00	0.00	0.00	
10	128	-99	39	1		0.00	55	0.00	0.00	0.00	0.00	
10	-99	129	39	1		0.00	55	0.00	0.00	0.00	0.00	
10	129	-98	16	1		0.00	55	0.00	0.00	0.00	0.00	
10	-98	130	16	1		0.00	55	0.00	0.00	0.00	0.00	
10	130	-97	17	1		0.00	55	0.00	0.00	0.00	0.00	
10	-97	131	17	1		0.00	55	0.00	0.00	0.00	0.00	
10	131	-96	18	1		0.00	55	0.00	0.00	0.00	0.00	
10	-96	132	18	1		0.00	55	0.00	0.00	0.00	0.00	
10	132	-95	19	1		0.00	55	0.00	0.00	0.00	0.00	
10	-95	133	19	1		0.00	55	0.00	0.00	0.00	0.00	
10	133	-94	20	1		0.00	55	0.00	0.00	0.00	0.00	
10	-94	134	20	1		0.00	55	0.00	0.00	0.00	0.00	
10	134	-93	21	1		0.00	55	0.00	0.00	0.00	0.00	
10	-93	135	21	1		0.00	55	0.00	0.00	0.00	0.00	
10	135	-92	22	1		0.00	55	0.00	0.00	0.00	0.00	
10	-92	136	22	1		0.00	55	0.00	0.00	0.00	0.00	
10	136	-91	23	1		0.00	55	0.00	0.00	0.00	0.00	
10	-91	137	23	1		0.00	55	0.00	0.00	0.00	0.00	
10	137	-90	24	1		0.00	55	0.00	0.00	0.00	0.00	
10	-90	138	24	1		0.00	55	0.00	0.00	0.00	0.00	
10	138	-89	25	1		0.00	55	0.00	0.00	0.00	0.00	
10	-89	139	25	1		0.00	55	0.00	0.00	0.00	0.00	
10	139	-88	26	1		0.00	55	0.00	0.00	0.00	0.00	

10	-88	140	26	1		0.00	55	0.00	0.00	0.00	0.00	
10	140	-87	27	1		0.00	55	0.00	0.00	0.00	0.00	
10	-87	141	27	1		0.00	55	0.00	0.00	0.00	0.00	
10	141	-86	28	1		0.00	55	0.00	0.00	0.00	0.00	
10	-86	142	28	1		0.00	55	0.00	0.00	0.00	0.00	
10	142	-85	29	1		0.00	55	0.00	0.00	0.00	0.00	
10	-85	143	29	1		0.00	55	0.00	0.00	0.00	0.00	
10	143	-84	30	1		0.00	55	0.00	0.00	0.00	0.00	
10	-84	144	30	1		0.00	55	0.00	0.00	0.00	0.00	
10	144	-83	31	1		0.00	55	0.00	0.00	0.00	0.00	
10	-83	145	31	1		0.00	55	0.00	0.00	0.00	0.00	
10	145	-82	40	1		0.00	55	0.00	0.00	0.00	0.00	
10	-82	146	40	1		0.00	55	0.00	0.00	0.00	0.00	
10	146	-81	32	1		0.00	55	0.00	0.00	0.00	0.00	
10	-81	147	32	1		0.00	55	0.00	0.00	0.00	0.00	
10	147	-80	33	1		0.00	55	0.00	0.00	0.00	0.00	
10	-80	148	33	1		0.00	55	0.00	0.00	0.00	0.00	
10	148	-79	34	1		0.00	55	0.00	0.00	0.00	0.00	
10	-79	149	34	1		0.00	55	0.00	0.00	0.00	0.00	
10	149	-78	35	1		0.00	55	0.00	0.00	0.00	0.00	
10	-78	150	35	1		0.00	55	0.00	0.00	0.00	0.00	
10	150	-77	36	1		0.00	55	0.00	0.00	0.00	0.00	
10	-77	151	36	1		0.00	55	0.00	0.00	0.00	0.00	
10	151	-76	37	1		0.00	55	0.00	0.00	0.00	0.00	
10	-76	152	37	1		0.00	55	0.00	0.00	0.00	0.00	
10	152	-75	38	1		0.00	55	0.00	0.00	0.00	0.00	
10	-75	153	38	1		0.00	55	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>
1	s1965	W-RTC	S	1	1	196.50	f(strat.)
3	s2425	W-RTC	S	1	1	242.50	f(strat.)
5	s2885	W-RTC	S	1	1	288.50	f(strat.)
7	s200	F	G	2	1	20.00	

Tb	Comm.	Tipo	Uso	Mat.	Crit.	Spess. <cm>	Kt <daN/cmc>
2	s2195	W-RTC	S	1	1	219.50	f(strat.)
4	s2655	W-RTC	S	1	1	265.50	f(strat.)
6	s3500	W-RTC	S	1	1	350.00	f(strat.)

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
0	1	33	0.00	0.00	0.51	363 364 345 344
0	5	33	0.00	0.00	0.51	293 294 265 264
0	2	33	0.00	0.00	0.51	349 350 331 330
0	1	33	0.00	0.00	0.51	360 361 342 341
0	5	33	0.00	0.00	0.51	279 280 251 250
0	5	33	0.00	0.00	0.51	282 283 254 253
0	3	33	0.00	0.00	0.51	316 317 298 297
0	4	33	0.00	0.00	0.51	308 309 290 289
0	2	33	0.00	0.00	0.51	338 339 320 319

Bid.	Tb	FF	Dy1 <cm>	Dy2 <cm>	Kt <daN/cmc>	NN
0	1	33	0.00	0.00	0.51	365 366 347 346
0	5	33	0.00	0.00	0.51	288 289 260 259
0	1	33	0.00	0.00	0.51	355 356 337 336
0	5	33	0.00	0.00	0.51	284 285 256 255
0	5	33	0.00	0.00	0.51	287 288 259 258
0	5	33	0.00	0.00	0.51	281 282 253 252
0	3	33	0.00	0.00	0.51	332 333 314 313
0	3	33	0.00	0.00	0.51	334 275 274 315
0	2	33	0.00	0.00	0.51	340 341 322 321

0	5	33	0.00	0.00	0.51	280 281 252 251
0	3	33	0.00	0.00	0.51	326 327 308 307
0	4	33	0.00	0.00	0.51	306 307 288 287
0	4	33	0.00	0.00	0.51	274 297 278 273
0	4	33	0.00	0.00	0.51	297 298 279 278
0	3	33	0.00	0.00	0.51	325 326 307 306
0	4	33	0.00	0.00	0.51	312 313 294 293
0	4	33	0.00	0.00	0.51	303 304 285 284
0	2	33	0.00	0.00	0.51	348 349 330 329
0	1	33	0.00	0.00	0.51	372 277 276 353
0	4	33	0.00	0.00	0.51	310 311 292 291
0	5	33	0.00	0.00	0.51	291 292 263 262
0	3	33	0.00	0.00	0.51	329 330 311 310
0	2	33	0.00	0.00	0.51	352 353 334 333
0	2	33	0.00	0.00	0.51	339 340 321 320
0	4	33	0.00	0.00	0.51	307 308 289 288
0	4	33	0.00	0.00	0.51	298 299 280 279
0	1	33	0.00	0.00	0.51	366 367 348 347
0	3	33	0.00	0.00	0.51	319 320 301 300
0	4	33	0.00	0.00	0.51	305 306 287 286
0	5	33	0.00	0.00	0.51	286 287 258 257
0	3	33	0.00	0.00	0.51	330 331 312 311
0	2	33	0.00	0.00	0.51	347 348 329 328
0	1	33	0.00	0.00	0.51	358 359 340 339
0	4	33	0.00	0.00	0.51	309 310 291 290
0	5	33	0.00	0.00	0.51	294 295 266 265
0	3	33	0.00	0.00	0.51	317 318 299 298
0	3	33	0.00	0.00	0.51	331 332 313 312
0	2	33	0.00	0.00	0.51	350 351 332 331
0	4	33	0.00	0.00	0.51	304 305 286 285
0	1	33	0.00	0.00	0.51	364 365 346 345
0	3	33	0.00	0.00	0.51	327 328 309 308
0	2	33	0.00	0.00	0.51	353 276 275 334
0	3	33	0.00	0.00	0.51	318 319 300 299
0	2	33	0.00	0.00	0.51	343 344 325 324
0	5	33	0.00	0.00	0.51	273 278 249 2
0	5	33	0.00	0.00	0.51	285 286 257 256
0	1	33	0.00	0.00	0.51	367 368 349 348
0	5	33	0.00	0.00	0.51	295 296 267 266
0	4	33	0.00	0.00	0.51	299 300 281 280
0	2	33	0.00	0.00	0.51	335 336 317 316
102	7	22	0.00	0.00		110 111 -49 -68
103	7	22	0.00	0.00		110 111 -38 -57
104	7	22	0.00	0.00		110 111 -47 -66
105	7	22	0.00	0.00		111 -1 -19 110
106	7	22	0.00	0.00		110 111 -50 -69
107	7	22	0.00	0.00		110 111 -41 -60
108	7	22	0.00	0.00		110 111 -42 -61
109	7	22	0.00	0.00		110 111 -53 -72
110	7	22	0.00	0.00		110 111 -44 -63
111	7	22	0.00	0.00		110 111 -45 -64
4501	6	33	0.00	0.00	0.51	251 252 -40 -39
4501	6	33	0.00	0.00	0.51	-51 -52 1
4501	6	33	0.00	0.00	0.51	-54 -55 1
4501	6	33	0.00	0.00	0.51	267 2 -1 -55
4501	6	33	0.00	0.00	0.51	-49 -50 1
4501	6	33	0.00	0.00	0.51	-55 -1 1
4501	6	33	0.00	0.00	0.51	260 261 -49 -48
4501	6	33	0.00	0.00	0.51	249 250 -38 -37
4501	6	33	0.00	0.00	0.51	-44 -45 1
4501	6	33	0.00	0.00	0.51	259 260 -48 -47
4501	6	33	0.00	0.00	0.51	262 263 -51 -50
4501	6	33	0.00	0.00	0.51	266 267 -55 -54
4501	6	33	0.00	0.00	0.51	264 265 -53 -52
4501	6	33	0.00	0.00	0.51	-39 -40 1
4501	6	33	0.00	0.00	0.51	252 253 -41 -40
4501	6	33	0.00	0.00	0.51	257 258 -46 -45
4501	6	33	0.00	0.00	0.51	-42 -43 1
4501	6	33	0.00	0.00	0.51	-40 -41 1
4501	6	33	0.00	0.00	0.51	255 256 -44 -43
4501	6	33	0.00	0.00	0.51	-53 -54 1

0	3	33	0.00	0.00	0.51	321 322 303 302
0	4	33	0.00	0.00	0.51	311 312 293 292
0	4	33	0.00	0.00	0.51	301 302 283 282
0	5	33	0.00	0.00	0.51	292 293 264 263
0	3	33	0.00	0.00	0.51	320 321 302 301
0	3	33	0.00	0.00	0.51	333 334 315 314
0	2	33	0.00	0.00	0.51	336 337 318 317
0	2	33	0.00	0.00	0.51	346 347 328 327
0	1	33	0.00	0.00	0.51	354 355 336 335
0	4	33	0.00	0.00	0.51	315 274 273 296
0	4	33	0.00	0.00	0.51	300 301 282 281
0	5	33	0.00	0.00	0.51	278 279 250 249
0	2	33	0.00	0.00	0.51	276 335 316 275
0	2	33	0.00	0.00	0.51	337 338 319 318
0	2	33	0.00	0.00	0.51	345 346 327 326
0	2	33	0.00	0.00	0.51	341 342 323 322
0	1	33	0.00	0.00	0.51	359 360 341 340
0	1	33	0.00	0.00	0.51	368 369 350 349
0	1	33	0.00	0.00	0.51	371 372 353 352
0	5	33	0.00	0.00	0.51	296 273 2 267
0	3	33	0.00	0.00	0.51	324 325 306 305
0	2	33	0.00	0.00	0.51	351 352 333 332
0	1	33	0.00	0.00	0.51	277 354 335 276
0	4	33	0.00	0.00	0.51	302 303 284 283
0	2	33	0.00	0.00	0.51	344 345 326 325
0	5	33	0.00	0.00	0.51	289 290 261 260
0	4	33	0.00	0.00	0.51	313 314 295 294
0	2	33	0.00	0.00	0.51	342 343 324 323
0	1	33	0.00	0.00	0.51	361 362 343 342
0	5	33	0.00	0.00	0.51	283 284 255 254
0	3	33	0.00	0.00	0.51	275 316 297 274
0	3	33	0.00	0.00	0.51	323 324 305 304
0	1	33	0.00	0.00	0.51	362 363 344 343
0	1	33	0.00	0.00	0.51	357 358 339 338
0	5	33	0.00	0.00	0.51	290 291 262 261
0	3	33	0.00	0.00	0.51	322 323 304 303
0	1	33	0.00	0.00	0.51	370 371 352 351
0	4	33	0.00	0.00	0.51	314 315 296 295
0	1	33	0.00	0.00	0.51	356 357 338 337
0	3	33	0.00	0.00	0.51	328 329 310 309
0	1	33	0.00	0.00	0.51	369 370 351 350
102	7	22	0.00	0.00		110 111 -39 -58
103	7	22	0.00	0.00		110 111 -48 -67
104	7	22	0.00	0.00		110 111 -37 -56
105	7	22	0.00	0.00		110 111 -46 -65
106	7	22	0.00	0.00		110 111 -40 -59
107	7	22	0.00	0.00		110 111 -51 -70
108	7	22	0.00	0.00		110 111 -52 -71
109	7	22	0.00	0.00		110 111 -43 -62
110	7	22	0.00	0.00		110 111 -54 -73
111	7	22	0.00	0.00		110 111 -55 -74
4501	6	33	0.00	0.00	0.51	-47 -48 1
4501	6	33	0.00	0.00	0.51	-50 -51 1
4501	6	33	0.00	0.00	0.51	-1 -37 1
4501	6	33	0.00	0.00	0.51	253 254 -42 -41
4501	6	33	0.00	0.00	0.51	-37 -38 1
4501	6	33	0.00	0.00	0.51	-48 -49 1
4501	6	33	0.00	0.00	0.51	250 251 -39 -38
4501	6	33	0.00	0.00	0.51	-52 -53 1
4501	6	33	0.00	0.00	0.51	-43 -44 1
4501	6	33	0.00	0.00	0.51	-45 -46 1
4501	6	33	0.00	0.00	0.51	261 262 -50 -49
4501	6	33	0.00	0.00	0.51	265 266 -54 -53
4501	6	33	0.00	0.00	0.51	263 264 -52 -51
4501	6	33	0.00	0.00	0.51	-38 -39 1
4501	6	33	0.00	0.00	0.51	258 259 -47 -46
4501	6	33	0.00	0.00	0.51	2 249 -37 -1
4501	6	33	0.00	0.00	0.51	-41 -42 1
4501	6	33	0.00	0.00	0.51	256 257 -45 -44
4501	6	33	0.00	0.00	0.51	254 255 -43 -42
4501	6	33	0.00	0.00	0.51	-46 -47 1

Elenco tipi plinti/pali

Simbologia

Tl = Numero del tipo plinto/palo
Tipo = Tipologia
Gra = Gradoni
Pir = Piramidale

P = Palo
T3 = Triangolare 3 pali
T3B = Triangolare 3 pali + bicchiere
R = Rettangolare
RB = Rettangolare + bicchiere
R1 = Rettangolare 1 palo
R1B = Rettangolare 1 palo + bicchiere
R2x = Rettangolare 2 pali dir. X
R2xB = Rettangolare 2 pali dir. X + bicchiere
R2y = Rettangolare 2 pali dir. Y
R2B = Rettangolare 2 pali dir. Y + bicchiere
R4 = Rettangolare 4 pali
R4B = Rettangolare 4 pali + bicchiere
P5 = Pentagonale 5 pali
P5B = Pentagonale 5 pali + bicchiere
E6 = Esagonale 6 pali
E6B = Esagonale 6 pali + bicchiere
Tp = Tipo palo
ND = Non definito
BP = Battuto prefabbricato
BGO = Battuto gettato in opera
T = Trivellato
TEC = Trivellato con elica continua
MP = Micropalo
Comm. = Commento
Lp = Lunghezza pali
R = Rotazione testa
B = Bloccata
L = Libera
Dp = Diametro pali
Crit. = Numero del criterio di progetto

Tl	Tipo	Tp	Comm.	Lp <m>	R	Dp <m>	Crit.
1	P	T	palo_120x2800	28.00	L	1.20	1

Elenco plinti/pali

Simbologia
PL = Plinto/Palo
Tl = Numero del tipo plinto/palo
Nodo = Nodo plinto/palo
Kt = Coeff. di sottofondo su suolo elastico alla Winkler

PL	Tl	Nodo	Kt <daN/cmc>
335	1	335	---
343	1	343	---
351	1	351	---

PL	Tl	Nodo	Kt <daN/cmc>
337	1	337	---
345	1	345	---
353	1	353	---

PL	Tl	Nodo	Kt <daN/cmc>
339	1	339	---
347	1	347	---

PL	Tl	Nodo	Kt <daN/cmc>
341	1	341	---
349	1	349	---

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	peso proprio struttura	1.00	1.00	0.00	0.00	0.00	1.00	1 D.M. 08 Permanenti strutturali	S	--
2	peso navicella	1.00	1.00	0.00	0.00	0.00	1.00	2 D.M. 08 Permanenti non strutturali	S	--
3	vento navicella	1.00	1.00	0.00	0.00	0.00	1.00	10 D.M. 08 Variabili Vento	S	B
4	vento torre	1.00	1.00	0.00	0.00	0.00	1.00	10 D.M. 08 Variabili Vento	S	B
5	neve navicella	1.00	1.00	0.00	0.00	0.00	1.00	11 D.M. 08 Variabili Neve (a quota <= 1000 m s.l.m.)	S	B
6	zavorra	1.00	1.00	0.00	0.00	0.00	1.00	1 D.M. 08 Permanenti strutturali	S	--

Elenco carichi nodi

Condizione di carico n. 2: peso navicella
Carichi concentrati

Simbologia
Nodo = Numero del nodo
Px = Componente X della forza applicata
Py = Componente Y della forza applicata
Pz = Componente Z della forza applicata
Mx = Momento intorno all'asse X
My = Momento intorno all'asse Y
Mz = Momento intorno all'asse Z

Nodo	Px <daN>	Py <daN>	Pz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
153	0.00	0.00	113500.00	0.00	0.00	0.00

Elenco carichi nodi
Condizione di carico n. 3: vento navicella
Carichi concentrati

Nodo	Px <daN>	Py <daN>	Pz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
153	-22100.00	50600.00	0.00	-357300.00	-208600.00	-140800.00

Elenco carichi nodi
Condizione di carico n. 4: vento torre
Carichi concentrati

Nodo	Px <daN>	Py <daN>	Pz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
-123	0.00	923.00	0.00	0.00	0.00	0.00
-121	0.00	881.00	0.00	0.00	0.00	0.00
-119	0.00	862.00	0.00	0.00	0.00	0.00
-117	0.00	125.00	0.00	0.00	0.00	0.00
-115	0.00	712.00	0.00	0.00	0.00	0.00
-113	0.00	835.00	0.00	0.00	0.00	0.00
-111	0.00	984.00	0.00	0.00	0.00	0.00
-109	0.00	1078.00	0.00	0.00	0.00	0.00
-107	0.00	1139.00	0.00	0.00	0.00	0.00
-105	0.00	1273.00	0.00	0.00	0.00	0.00
-103	0.00	1293.00	0.00	0.00	0.00	0.00
-101	0.00	1316.00	0.00	0.00	0.00	0.00
-99	0.00	1335.00	0.00	0.00	0.00	0.00
-97	0.00	1124.00	0.00	0.00	0.00	0.00
-95	0.00	1350.00	0.00	0.00	0.00	0.00
-93	0.00	1351.00	0.00	0.00	0.00	0.00
-91	0.00	1351.00	0.00	0.00	0.00	0.00
-89	0.00	1351.00	0.00	0.00	0.00	0.00
-87	0.00	964.00	0.00	0.00	0.00	0.00
-85	0.00	1333.00	0.00	0.00	0.00	0.00
-83	0.00	1319.00	0.00	0.00	0.00	0.00
-81	0.00	1303.00	0.00	0.00	0.00	0.00
-79	0.00	1286.00	0.00	0.00	0.00	0.00
-77	0.00	969.00	0.00	0.00	0.00	0.00
-75	0.00	958.00	0.00	0.00	0.00	0.00
123	0.00	127.00	0.00	0.00	0.00	0.00
142	0.00	93.00	0.00	0.00	0.00	0.00

Nodo	Px <daN>	Py <daN>	Pz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
-122	0.00	903.00	0.00	0.00	0.00	0.00
-120	0.00	885.00	0.00	0.00	0.00	0.00
-118	0.00	829.00	0.00	0.00	0.00	0.00
-116	0.00	590.00	0.00	0.00	0.00	0.00
-114	0.00	398.00	0.00	0.00	0.00	0.00
-112	0.00	913.00	0.00	0.00	0.00	0.00
-110	0.00	1043.00	0.00	0.00	0.00	0.00
-108	0.00	1121.00	0.00	0.00	0.00	0.00
-106	0.00	1254.00	0.00	0.00	0.00	0.00
-104	0.00	1281.00	0.00	0.00	0.00	0.00
-102	0.00	1305.00	0.00	0.00	0.00	0.00
-100	0.00	1325.00	0.00	0.00	0.00	0.00
-98	0.00	1343.00	0.00	0.00	0.00	0.00
-96	0.00	1129.00	0.00	0.00	0.00	0.00
-94	0.00	1351.00	0.00	0.00	0.00	0.00
-92	0.00	1352.00	0.00	0.00	0.00	0.00
-90	0.00	1351.00	0.00	0.00	0.00	0.00
-88	0.00	964.00	0.00	0.00	0.00	0.00
-86	0.00	961.00	0.00	0.00	0.00	0.00
-84	0.00	1326.00	0.00	0.00	0.00	0.00
-82	0.00	1311.00	0.00	0.00	0.00	0.00
-80	0.00	1295.00	0.00	0.00	0.00	0.00
-78	0.00	1278.00	0.00	0.00	0.00	0.00
-76	0.00	964.00	0.00	0.00	0.00	0.00
116	0.00	113.00	0.00	0.00	0.00	0.00
132	0.00	108.00	0.00	0.00	0.00	0.00
153	0.00	146.00	0.00	0.00	0.00	0.00

Elenco carichi nodi
Condizione di carico n. 5: neve navicella
Carichi concentrati

Nodo	Px <daN>	Py <daN>	Pz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
153	0.00	0.00	2600.00	0.00	0.00	0.00

Elenco carichi aste
Condizione di carico n. 1: peso proprio struttura
Carichi distribuiti

Simbologia
Asta = Numero dell'asta
N1 = Nodo iniziale
N2 = Nodo finale
E = Elemento provenienza del carico
S = Solaio
T = Tamponatura
NE = Numero elemento di provenienza del carico
T = Tipo di carico

QA = Primo carico accidentale
QA2 = Secondo carico accidentale
QA3 = Terzo carico accidentale
QPS = Carico permanente strutturale
QPN = Carico permanente non strutturale
PP = Peso proprio
M = Manuale
DC = Direzione del carico
XG,YG,ZG = secondo gli assi globali
XL,YL,ZL = secondo gli assi locali
Xi = Distanza iniziale
Qi = Carico iniziale
Xf = Distanza finale
Qf = Carico finale

Asta	N1	N2	E	NE	T	DC	Xi <m>	Qi <daN/m>	Xf <m>	Qf <daN/m>
0	116	-118	S	--	PP	ZG	0.00	3790.34	1.25	3790.34
0	268	-119	S	--	PP	ZG	0.00	3790.34	1.25	3790.34
0	269	-120	S	--	PP	ZG	0.00	3790.34	1.24	3790.34
0	270	-121	S	--	PP	ZG	0.00	3790.34	1.20	3790.34
0	271	-122	S	--	PP	ZG	0.00	3790.34	1.20	3790.34
0	272	-123	S	--	PP	ZG	0.00	3790.34	1.20	3790.34
0	-117	-111	S	--	PP	ZG	0.00	3577.40	1.25	3577.40
10	-116	112	S	--	PP	ZG	0.00	5350.92	1.28	5350.92
10	-115	113	S	--	PP	ZG	0.00	5350.92	1.47	5350.92
10	-114	114	S	--	PP	ZG	0.00	5350.92	0.75	5350.92
10	-113	115	S	--	PP	ZG	0.00	5350.92	1.45	5350.92
10	-112	116	S	--	PP	ZG	0.00	3790.34	1.47	3790.34
10	117	-110	S	--	PP	ZG	0.00	3441.78	1.30	3441.78
10	118	-109	S	--	PP	ZG	0.00	3296.36	1.32	3296.36
10	119	-108	S	--	PP	ZG	0.00	3131.41	1.35	3131.41
10	120	-107	S	--	PP	ZG	0.00	2956.62	1.35	2956.62
10	121	-106	S	--	PP	ZG	0.00	2810.83	1.47	2810.83
10	122	-105	S	--	PP	ZG	0.00	2713.57	1.47	2713.57
10	123	-104	S	--	PP	ZG	0.00	2758.04	1.46	2758.04
10	124	-103	S	--	PP	ZG	0.00	2536.59	1.46	2536.59
10	125	-102	S	--	PP	ZG	0.00	2462.49	1.46	2462.49
10	126	-101	S	--	PP	ZG	0.00	2406.79	1.46	2406.79
10	127	-100	S	--	PP	ZG	0.00	2418.67	1.46	2418.67
10	128	-99	S	--	PP	ZG	0.00	2257.88	1.46	2257.88
10	129	-98	S	--	PP	ZG	0.00	2185.12	1.46	2185.12
10	130	-97	S	--	PP	ZG	0.00	2102.08	1.21	2102.08
10	131	-96	S	--	PP	ZG	0.00	2050.12	1.21	2050.12
10	132	-95	S	--	PP	ZG	0.00	1982.69	1.44	1982.69
10	133	-94	S	--	PP	ZG	0.00	1931.68	1.44	1931.68
10	134	-93	S	--	PP	ZG	0.00	1842.79	1.44	1842.79
10	135	-92	S	--	PP	ZG	0.00	1773.54	1.44	1773.54
10	136	-91	S	--	PP	ZG	0.00	1715.23	1.44	1715.23
10	137	-90	S	--	PP	ZG	0.00	1629.18	1.44	1629.18
10	138	-89	S	--	PP	ZG	0.00	1589.68	1.44	1589.68
10	139	-88	S	--	PP	ZG	0.00	1507.92	1.03	1507.92
10	140	-87	S	--	PP	ZG	0.00	1445.76	1.03	1445.76
10	141	-86	S	--	PP	ZG	0.00	1437.87	1.03	1437.87
10	142	-85	S	--	PP	ZG	0.00	1372.78	1.43	1372.78
10	143	-84	S	--	PP	ZG	0.00	1304.91	1.43	1304.91
10	144	-83	S	--	PP	ZG	0.00	1220.85	1.43	1220.85
10	145	-82	S	--	PP	ZG	0.00	1138.32	1.44	1138.32
10	146	-81	S	--	PP	ZG	0.00	1108.31	1.44	1108.31
10	147	-80	S	--	PP	ZG	0.00	1296.82	1.44	1296.82
10	148	-79	S	--	PP	ZG	0.00	1207.05	1.44	1207.05
10	149	-78	S	--	PP	ZG	0.00	1159.98	1.44	1159.98
10	150	-77	S	--	PP	ZG	0.00	1139.37	1.10	1139.37
10	151	-76	S	--	PP	ZG	0.00	1289.50	1.10	1289.50
10	152	-75	S	--	PP	ZG	0.00	1595.10	1.10	1595.10

Asta	N1	N2	E	NE	T	DC	Xi <m>	Qi <daN/m>	Xf <m>	Qf <daN/m>
0	-118	268	S	--	PP	ZG	0.00	3790.34	1.25	3790.34
0	-119	269	S	--	PP	ZG	0.00	3790.34	1.25	3790.34
0	-120	270	S	--	PP	ZG	0.00	3790.34	1.24	3790.34
0	-121	271	S	--	PP	ZG	0.00	3790.34	1.20	3790.34
0	-122	272	S	--	PP	ZG	0.00	3790.34	1.20	3790.34
0	-123	-117	S	--	PP	ZG	0.00	3790.34	1.20	3790.34
10	110	-116	S	--	PP	ZG	0.00	5638.50	1.28	5638.50
10	112	-115	S	--	PP	ZG	0.00	5350.92	1.47	5350.92
10	113	-114	S	--	PP	ZG	0.00	5350.92	0.75	5350.92
10	114	-113	S	--	PP	ZG	0.00	5350.92	1.45	5350.92
10	115	-112	S	--	PP	ZG	0.00	3790.34	1.47	3790.34
10	-111	117	S	--	PP	ZG	0.00	3577.40	1.25	3577.40
10	-110	118	S	--	PP	ZG	0.00	3441.78	1.30	3441.78
10	-109	119	S	--	PP	ZG	0.00	3296.36	1.32	3296.36
10	-108	120	S	--	PP	ZG	0.00	3131.41	1.35	3131.41
10	-107	121	S	--	PP	ZG	0.00	2956.62	1.35	2956.62
10	-106	122	S	--	PP	ZG	0.00	2810.83	1.47	2810.83
10	-105	123	S	--	PP	ZG	0.00	2713.57	1.47	2713.57
10	-104	124	S	--	PP	ZG	0.00	2758.04	1.46	2758.04
10	-103	125	S	--	PP	ZG	0.00	2536.59	1.46	2536.59
10	-102	126	S	--	PP	ZG	0.00	2462.49	1.46	2462.49
10	-101	127	S	--	PP	ZG	0.00	2406.79	1.46	2406.79
10	-100	128	S	--	PP	ZG	0.00	2418.67	1.46	2418.67
10	-99	129	S	--	PP	ZG	0.00	2257.88	1.46	2257.88
10	-98	130	S	--	PP	ZG	0.00	2185.12	1.46	2185.12
10	-97	131	S	--	PP	ZG	0.00	2102.08	1.21	2102.08
10	-96	132	S	--	PP	ZG	0.00	2050.12	1.21	2050.12
10	-95	133	S	--	PP	ZG	0.00	1982.69	1.44	1982.69
10	-94	134	S	--	PP	ZG	0.00	1931.68	1.44	1931.68
10	-93	135	S	--	PP	ZG	0.00	1842.79	1.44	1842.79
10	-92	136	S	--	PP	ZG	0.00	1773.54	1.44	1773.54
10	-91	137	S	--	PP	ZG	0.00	1715.23	1.44	1715.23
10	-90	138	S	--	PP	ZG	0.00	1629.18	1.44	1629.18
10	-89	139	S	--	PP	ZG	0.00	1589.68	1.44	1589.68
10	-88	140	S	--	PP	ZG	0.00	1507.92	1.03	1507.92
10	-87	141	S	--	PP	ZG	0.00	1445.76	1.03	1445.76
10	-86	142	S	--	PP	ZG	0.00	1437.87	1.03	1437.87
10	-85	143	S	--	PP	ZG	0.00	1372.78	1.43	1372.78
10	-84	144	S	--	PP	ZG	0.00	1304.91	1.43	1304.91
10	-83	145	S	--	PP	ZG	0.00	1220.85	1.43	1220.85
10	-82	146	S	--	PP	ZG	0.00	1138.32	1.44	1138.32
10	-81	147	S	--	PP	ZG	0.00	1108.31	0.94	1108.31
10	-80	148	S	--	PP	ZG	0.00	1296.82	1.44	1296.82
10	-79	149	S	--	PP	ZG	0.00	1207.05	1.44	1207.05
10	-78	150	S	--	PP	ZG	0.00	1159.98	1.44	1159.98
10	-77	151	S	--	PP	ZG	0.00	1139.37	1.10	1139.37
10	-76	152	S	--	PP	ZG	0.00	1289.50	1.10	1289.50
10	-75	153	S	--	PP	ZG	0.00	1595.10	1.10	1595.10

Elenco carichi elementi bidimensionali
Condizione di carico n. 1: peso proprio struttura
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>
0	363	364	345	344	PP	G	0.00	0.00	4912.50
0	365	366	347	346	PP	G	0.00	0.00	4912.50
0	293	294	265	264	PP	G	0.00	0.00	7212.50
0	288	289	260	259	PP	G	0.00	0.00	7212.50
0	349	350	331	330	PP	G	0.00	0.00	5487.50
0	355	356	337	336	PP	G	0.00	0.00	4912.50
0	360	361	342	341	PP	G	0.00	0.00	4912.50
0	284	285	256	255	PP	G	0.00	0.00	7212.50
0	279	280	251	250	PP	G	0.00	0.00	7212.50
0	287	288	259	258	PP	G	0.00	0.00	7212.50
0	282	283	254	253	PP	G	0.00	0.00	7212.50
0	281	282	253	252	PP	G	0.00	0.00	7212.50
0	316	317	298	297	PP	G	0.00	0.00	6062.50
0	332	333	314	313	PP	G	0.00	0.00	6062.50
0	308	309	290	289	PP	G	0.00	0.00	6637.50
0	334	275	274	315	PP	G	0.00	0.00	6062.50
0	338	339	320	319	PP	G	0.00	0.00	5487.50
0	340	341	322	321	PP	G	0.00	0.00	5487.50
0	280	281	252	251	PP	G	0.00	0.00	7212.50
0	321	322	303	302	PP	G	0.00	0.00	6062.50
0	326	327	308	307	PP	G	0.00	0.00	6062.50
0	311	312	293	292	PP	G	0.00	0.00	6637.50
0	306	307	288	287	PP	G	0.00	0.00	6637.50
0	301	302	283	282	PP	G	0.00	0.00	6637.50
0	274	297	278	273	PP	G	0.00	0.00	6637.50
0	292	293	264	263	PP	G	0.00	0.00	7212.50
0	297	298	279	278	PP	G	0.00	0.00	6637.50
0	320	321	302	301	PP	G	0.00	0.00	6062.50
0	325	326	307	306	PP	G	0.00	0.00	6062.50
0	333	334	315	314	PP	G	0.00	0.00	6062.50
0	312	313	294	293	PP	G	0.00	0.00	6637.50
0	336	337	318	317	PP	G	0.00	0.00	5487.50
0	303	304	285	284	PP	G	0.00	0.00	6637.50
0	346	347	328	327	PP	G	0.00	0.00	5487.50
0	348	349	330	329	PP	G	0.00	0.00	5487.50
0	354	355	336	335	PP	G	0.00	0.00	4912.50
0	372	277	276	353	PP	G	0.00	0.00	4912.50
0	315	274	273	296	PP	G	0.00	0.00	6637.50
0	310	311	292	291	PP	G	0.00	0.00	6637.50
0	300	301	282	281	PP	G	0.00	0.00	6637.50
0	291	292	263	262	PP	G	0.00	0.00	7212.50
0	278	279	250	249	PP	G	0.00	0.00	7212.50
0	329	330	311	310	PP	G	0.00	0.00	6062.50
0	276	335	316	275	PP	G	0.00	0.00	5487.50
0	352	353	334	333	PP	G	0.00	0.00	5487.50
0	337	338	319	318	PP	G	0.00	0.00	5487.50
0	339	340	321	320	PP	G	0.00	0.00	5487.50
0	345	346	327	326	PP	G	0.00	0.00	5487.50
0	307	308	289	288	PP	G	0.00	0.00	6637.50
0	341	342	323	322	PP	G	0.00	0.00	5487.50
0	298	299	280	279	PP	G	0.00	0.00	6637.50
0	359	360	341	340	PP	G	0.00	0.00	4912.50
0	366	367	348	347	PP	G	0.00	0.00	4912.50
0	368	369	350	349	PP	G	0.00	0.00	4912.50
0	319	320	301	300	PP	G	0.00	0.00	6062.50
0	371	372	353	352	PP	G	0.00	0.00	4912.50
0	305	306	287	286	PP	G	0.00	0.00	6637.50
0	296	273	2	267	PP	G	0.00	0.00	7212.50
0	286	287	258	257	PP	G	0.00	0.00	7212.50
0	324	325	306	305	PP	G	0.00	0.00	6062.50
0	330	331	312	311	PP	G	0.00	0.00	6062.50
0	351	352	333	332	PP	G	0.00	0.00	5487.50
0	347	348	329	328	PP	G	0.00	0.00	5487.50
0	277	354	335	276	PP	G	0.00	0.00	4912.50
0	358	359	340	339	PP	G	0.00	0.00	4912.50
0	302	303	284	283	PP	G	0.00	0.00	6637.50
0	309	310	291	290	PP	G	0.00	0.00	6637.50
0	344	345	326	325	PP	G	0.00	0.00	5487.50
0	294	295	266	265	PP	G	0.00	0.00	7212.50
0	289	290	261	260	PP	G	0.00	0.00	7212.50
0	317	318	299	298	PP	G	0.00	0.00	6062.50

0	313	314	295	294	PP	G	0.00	0.00	6637.50
0	331	332	313	312	PP	G	0.00	0.00	6062.50
0	342	343	324	323	PP	G	0.00	0.00	5487.50
0	350	351	332	331	PP	G	0.00	0.00	5487.50
0	361	362	343	342	PP	G	0.00	0.00	4912.50
0	304	305	286	285	PP	G	0.00	0.00	6637.50
0	283	284	255	254	PP	G	0.00	0.00	7212.50
0	364	365	346	345	PP	G	0.00	0.00	4912.50
0	275	316	297	274	PP	G	0.00	0.00	6062.50
0	327	328	309	308	PP	G	0.00	0.00	6062.50
0	323	324	305	304	PP	G	0.00	0.00	6062.50
0	353	276	275	334	PP	G	0.00	0.00	5487.50
0	362	363	344	343	PP	G	0.00	0.00	4912.50
0	318	319	300	299	PP	G	0.00	0.00	6062.50
0	357	358	339	338	PP	G	0.00	0.00	4912.50
0	343	344	325	324	PP	G	0.00	0.00	5487.50
0	290	291	262	261	PP	G	0.00	0.00	7212.50
0	273	278	249	2	PP	G	0.00	0.00	7212.50
0	322	323	304	303	PP	G	0.00	0.00	6062.50
0	285	286	257	256	PP	G	0.00	0.00	7212.50
0	370	371	352	351	PP	G	0.00	0.00	4912.50
0	367	368	349	348	PP	G	0.00	0.00	4912.50
0	314	315	296	295	PP	G	0.00	0.00	6637.50
0	295	296	267	266	PP	G	0.00	0.00	7212.50
0	356	357	338	337	PP	G	0.00	0.00	4912.50
0	299	300	281	280	PP	G	0.00	0.00	6637.50
0	328	329	310	309	PP	G	0.00	0.00	6062.50
0	335	336	317	316	PP	G	0.00	0.00	5487.50
0	369	370	351	350	PP	G	0.00	0.00	4912.50
102	110	111	-49	-68	PP	G	0.00	0.00	1570.00
102	110	111	-39	-58	PP	G	0.00	0.00	1570.00
103	110	111	-38	-57	PP	G	0.00	0.00	1570.00
103	110	111	-48	-67	PP	G	0.00	0.00	1570.00
104	110	111	-47	-66	PP	G	0.00	0.00	1570.00
104	110	111	-37	-56	PP	G	0.00	0.00	1570.00
105	111	-1	-19	110	PP	G	0.00	0.00	1570.00
105	110	111	-46	-65	PP	G	0.00	0.00	1570.00
106	110	111	-50	-69	PP	G	0.00	0.00	1570.00
106	110	111	-40	-59	PP	G	0.00	0.00	1570.00
107	110	111	-41	-60	PP	G	0.00	0.00	1570.00
107	110	111	-51	-70	PP	G	0.00	0.00	1570.00
108	110	111	-42	-61	PP	G	0.00	0.00	1570.00
108	110	111	-52	-71	PP	G	0.00	0.00	1570.00
109	110	111	-53	-72	PP	G	0.00	0.00	1570.00
109	110	111	-43	-62	PP	G	0.00	0.00	1570.00
110	110	111	-44	-63	PP	G	0.00	0.00	1570.00
110	110	111	-54	-73	PP	G	0.00	0.00	1570.00
111	110	111	-45	-64	PP	G	0.00	0.00	1570.00
111	110	111	-55	-74	PP	G	0.00	0.00	1570.00
4501	251	252	-40	-39	PP	G	0.00	0.00	8750.00
4501	-47	-48	1	1	PP	G	0.00	0.00	8750.00
4501	-51	-52	1	1	PP	G	0.00	0.00	8750.00
4501	-50	-51	1	1	PP	G	0.00	0.00	8750.00
4501	-54	-55	1	1	PP	G	0.00	0.00	8750.00
4501	-1	-37	1	1	PP	G	0.00	0.00	8750.00
4501	267	2	-1	-55	PP	G	0.00	0.00	8750.00
4501	253	254	-42	-41	PP	G	0.00	0.00	8750.00
4501	-49	-50	1	1	PP	G	0.00	0.00	8750.00
4501	-37	-38	1	1	PP	G	0.00	0.00	8750.00
4501	-55	-1	1	1	PP	G	0.00	0.00	8750.00
4501	-48	-49	1	1	PP	G	0.00	0.00	8750.00
4501	260	261	-49	-48	PP	G	0.00	0.00	8750.00
4501	250	251	-39	-38	PP	G	0.00	0.00	8750.00
4501	249	250	-38	-37	PP	G	0.00	0.00	8750.00
4501	-52	-53	1	1	PP	G	0.00	0.00	8750.00
4501	-44	-45	1	1	PP	G	0.00	0.00	8750.00
4501	-43	-44	1	1	PP	G	0.00	0.00	8750.00
4501	259	260	-48	-47	PP	G	0.00	0.00	8750.00
4501	-45	-46	1	1	PP	G	0.00	0.00	8750.00
4501	262	263	-51	-50	PP	G	0.00	0.00	8750.00
4501	261	262	-50	-49	PP	G	0.00	0.00	8750.00
4501	266	267	-55	-54	PP	G	0.00	0.00	8750.00
4501	265	266	-54	-53	PP	G	0.00	0.00	8750.00
4501	264	265	-53	-52	PP	G	0.00	0.00	8750.00
4501	263	264	-52	-51	PP	G	0.00	0.00	8750.00
4501	-39	-40	1	1	PP	G	0.00	0.00	8750.00
4501	-38	-39	1	1	PP	G	0.00	0.00	8750.00
4501	252	253	-41	-40	PP	G	0.00	0.00	8750.00
4501	258	259	-47	-46	PP	G	0.00	0.00	8750.00

4501	257	258	-46	-45	PP	G	0.00	0.00	8750.00
4501	2	249	-37	-1	PP	G	0.00	0.00	8750.00
4501	-42	-43	1	1	PP	G	0.00	0.00	8750.00
4501	-41	-42	1	1	PP	G	0.00	0.00	8750.00
4501	-40	-41	1	1	PP	G	0.00	0.00	8750.00
4501	256	257	-45	-44	PP	G	0.00	0.00	8750.00
4501	255	256	-44	-43	PP	G	0.00	0.00	8750.00
4501	254	255	-43	-42	PP	G	0.00	0.00	8750.00
4501	-53	-54	1	1	PP	G	0.00	0.00	8750.00
4501	-46	-47	1	1	PP	G	0.00	0.00	8750.00

Elenco carichi elementi bidimensionali
Condizione di carico n. 6: zavorra
Carichi uniformi

Bid.	N1	N2	N3	N4	T	DC	Qx <daN/mq>	Qy <daN/mq>	Qz <daN/mq>
0	363	364	345	344	M	G	0.00	0.00	1035.00
0	365	366	347	346	M	G	0.00	0.00	1035.00
0	293	294	265	264	M	G	0.00	0.00	115.00
0	288	289	260	259	M	G	0.00	0.00	115.00
0	349	350	331	330	M	G	0.00	0.00	805.00
0	355	356	337	336	M	G	0.00	0.00	1035.00
0	360	361	342	341	M	G	0.00	0.00	1035.00
0	284	285	256	255	M	G	0.00	0.00	115.00
0	279	280	251	250	M	G	0.00	0.00	115.00
0	287	288	259	258	M	G	0.00	0.00	115.00
0	282	283	254	253	M	G	0.00	0.00	115.00
0	281	282	253	252	M	G	0.00	0.00	115.00
0	316	317	298	297	M	G	0.00	0.00	575.00
0	332	333	314	313	M	G	0.00	0.00	575.00
0	308	309	290	289	M	G	0.00	0.00	345.00
0	334	275	274	315	M	G	0.00	0.00	575.00
0	338	339	320	319	M	G	0.00	0.00	805.00
0	340	341	322	321	M	G	0.00	0.00	805.00
0	280	281	252	251	M	G	0.00	0.00	115.00
0	321	322	303	302	M	G	0.00	0.00	575.00
0	326	327	308	307	M	G	0.00	0.00	575.00
0	311	312	293	292	M	G	0.00	0.00	345.00
0	306	307	288	287	M	G	0.00	0.00	345.00
0	301	302	283	282	M	G	0.00	0.00	345.00
0	274	297	278	273	M	G	0.00	0.00	345.00
0	292	293	264	263	M	G	0.00	0.00	115.00
0	297	298	279	278	M	G	0.00	0.00	345.00
0	320	321	302	301	M	G	0.00	0.00	575.00
0	325	326	307	306	M	G	0.00	0.00	575.00
0	333	334	315	314	M	G	0.00	0.00	575.00
0	312	313	294	293	M	G	0.00	0.00	345.00
0	336	337	318	317	M	G	0.00	0.00	805.00
0	303	304	285	284	M	G	0.00	0.00	345.00
0	346	347	328	327	M	G	0.00	0.00	805.00
0	348	349	330	329	M	G	0.00	0.00	805.00
0	354	355	336	335	M	G	0.00	0.00	1035.00
0	372	277	276	353	M	G	0.00	0.00	1035.00
0	315	274	273	296	M	G	0.00	0.00	345.00
0	310	311	292	291	M	G	0.00	0.00	345.00
0	300	301	282	281	M	G	0.00	0.00	345.00
0	291	292	263	262	M	G	0.00	0.00	115.00
0	278	279	250	249	M	G	0.00	0.00	115.00
0	329	330	311	310	M	G	0.00	0.00	575.00
0	276	335	316	275	M	G	0.00	0.00	805.00
0	352	353	334	333	M	G	0.00	0.00	805.00
0	337	338	319	318	M	G	0.00	0.00	805.00
0	339	340	321	320	M	G	0.00	0.00	805.00
0	345	346	327	326	M	G	0.00	0.00	805.00
0	307	308	289	288	M	G	0.00	0.00	345.00
0	341	342	323	322	M	G	0.00	0.00	805.00
0	298	299	280	279	M	G	0.00	0.00	345.00
0	359	360	341	340	M	G	0.00	0.00	1035.00
0	366	367	348	347	M	G	0.00	0.00	1035.00
0	368	369	350	349	M	G	0.00	0.00	1035.00
0	319	320	301	300	M	G	0.00	0.00	575.00
0	371	372	353	352	M	G	0.00	0.00	1035.00
0	305	306	287	286	M	G	0.00	0.00	345.00
0	296	273	2	267	M	G	0.00	0.00	115.00
0	286	287	258	257	M	G	0.00	0.00	115.00
0	324	325	306	305	M	G	0.00	0.00	575.00
0	330	331	312	311	M	G	0.00	0.00	575.00
0	351	352	333	332	M	G	0.00	0.00	805.00

0	347	348	329	328	M	G	0.00	0.00	805.00
0	277	354	335	276	M	G	0.00	0.00	1035.00
0	358	359	340	339	M	G	0.00	0.00	1035.00
0	302	303	284	283	M	G	0.00	0.00	345.00
0	309	310	291	290	M	G	0.00	0.00	345.00
0	344	345	326	325	M	G	0.00	0.00	805.00
0	294	295	266	265	M	G	0.00	0.00	115.00
0	289	290	261	260	M	G	0.00	0.00	115.00
0	317	318	299	298	M	G	0.00	0.00	575.00
0	313	314	295	294	M	G	0.00	0.00	345.00
0	331	332	313	312	M	G	0.00	0.00	575.00
0	342	343	324	323	M	G	0.00	0.00	805.00
0	350	351	332	331	M	G	0.00	0.00	805.00
0	361	362	343	342	M	G	0.00	0.00	1035.00
0	304	305	286	285	M	G	0.00	0.00	345.00
0	283	284	255	254	M	G	0.00	0.00	115.00
0	364	365	346	345	M	G	0.00	0.00	1035.00
0	275	316	297	274	M	G	0.00	0.00	575.00
0	327	328	309	308	M	G	0.00	0.00	575.00
0	323	324	305	304	M	G	0.00	0.00	575.00
0	353	276	275	334	M	G	0.00	0.00	805.00
0	362	363	344	343	M	G	0.00	0.00	1035.00
0	318	319	300	299	M	G	0.00	0.00	575.00
0	357	358	339	338	M	G	0.00	0.00	1035.00
0	343	344	325	324	M	G	0.00	0.00	805.00
0	290	291	262	261	M	G	0.00	0.00	115.00
0	273	278	249	2	M	G	0.00	0.00	115.00
0	322	323	304	303	M	G	0.00	0.00	575.00
0	285	286	257	256	M	G	0.00	0.00	115.00
0	370	371	352	351	M	G	0.00	0.00	1035.00
0	367	368	349	348	M	G	0.00	0.00	1035.00
0	314	315	296	295	M	G	0.00	0.00	345.00
0	295	296	267	266	M	G	0.00	0.00	115.00
0	356	357	338	337	M	G	0.00	0.00	1035.00
0	299	300	281	280	M	G	0.00	0.00	345.00
0	328	329	310	309	M	G	0.00	0.00	575.00
0	335	336	317	316	M	G	0.00	0.00	805.00
0	369	370	351	350	M	G	0.00	0.00	1035.00

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 statica
Vincoli esterni: Considera sempre vincoli assegnati in modellazione
Schematizzazione piani rigidi: nessun impalcato rigido
Modalità di recupero masse secondarie: mantenere sul nodo masse e forze relative

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 4
- Sito di costruzione: SP144, 72026 San Pancrazio salentino BR, Italia LON. 17.79020 LAT. 40.39720
  Contenuto tra ID reticolo: 34809 34808 35030 35031

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	201	0.0386	2.48	0.40	1.20	1.32
SLV	1898	0.0708	2.86	0.53	1.20	1.25

- Edificio esistente: No
- Tipo di opera: Opera ordinaria
- Vita nominale V_N: 100.00
- Classe d'uso: Classe IV
- Applica semplificazioni per zona 4: no
- 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: 0.00 <m>
- Altezza della struttura: 116.21 <m>
- Numero piani edificio: 0
- Coefficiente θ: 0.00
- Edificio regolare in altezza: si
- Edificio regolare in pianta: si
- Forze orizzontali convenzionali per stati limite non sismici: 1.00%
- Genera stati limite per verifiche di resistenza al fuoco: no

Dati di calcolo

- Categoria del suolo di fondazione: B
- Tipologia edificio: acciaio a mensola o a pendolo inverso

Coeff. C_1: 0.085
Periodo T_1: 3.00847
Coeff. λ SLD: 1.00
Coeff. λ SLV: 1.00
Rapporto di sovraresistenza (α_u/α_1): 1.00
Valore di riferimento del fattore di struttura (q_0): 2.00
Fattore riduttivo (K_w): 1.00
Fattore riduttivo regolarità in altezza (KR): 1.00
Fattore di struttura (q): 2.00

- Categoria topografica: T1 - Superficie pianeggiante, pendii e rilievi isolati con inclinazione media i<=15°
- Coeff. amplificazione topografica S_T: 1.00
- Fattore di struttura per sisma verticale (qv): 1.50
- Smorzamento spettro: 5.00%

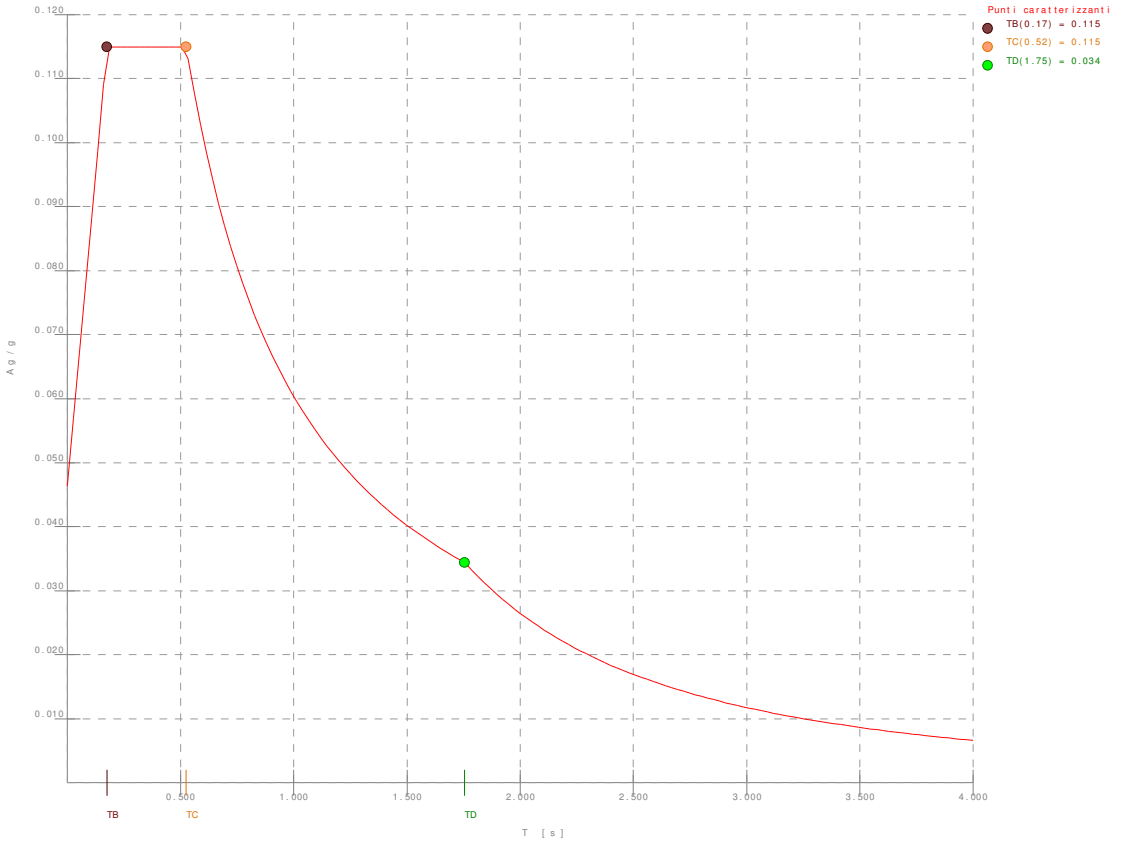

Figura numero 1: Spettro SLD

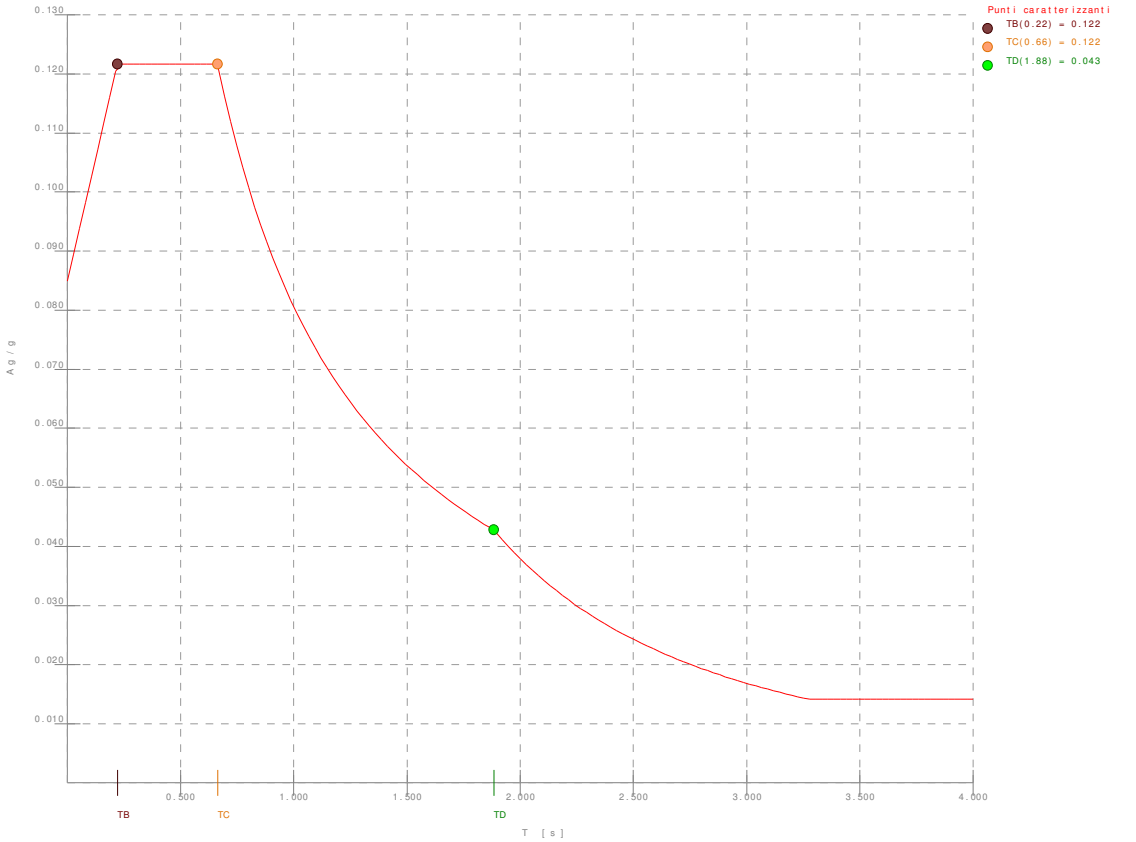

Figura numero 2: Spettro SLV

- Angolo di ingresso del sisma: 0.00 <grad>
- Tipo di combinazione sismica: 30% esteso

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	peso proprio struttura	1.00	1.00	0.00	0.00	0.00	1.00	1	S	--
2	peso navicella	1.00	1.00	0.00	0.00	0.00	1.00	2	S	--
3	vento navicella	1.00	1.00	0.00	0.00	0.00	1.00	10	S	B
4	vento torre	1.00	1.00	0.00	0.00	0.00	1.00	10	S	B
5	neve navicella	1.00	1.00	0.00	0.00	0.00	1.00	11	S	B
6	zavorra	1.00	1.00	0.00	0.00	0.00	1.00	1	S	--

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	1.50				
10	D.M. 08 Variabili Vento	Q	N	0.00	1.50	0.60	0.20	0.00	0.00
11	D.M. 08 Variabili Neve (a quota <= 1000 m s.l.m.)	Q	N	0.00	1.50	0.50	0.20	0.00	0.00

Ambienti di carico

Simbologia

N Numero
Comm. Commento
1 peso proprio struttura
2 peso navicella
3 vento navicella
4 vento torre
5 neve navicella
6 zavorra
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	4	5	6	S	SLU	SLR	SLF	SLQ
1	Calcolo sismico	si	si	si	si	si	si	si	si	no	no	no

2	Calcolo statico	si	si	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	4	5	6	S
1	Amb. 1 (Sisma)	SLU S	1	1	ψ_2	ψ_2	ψ_2	1	1
2	Amb. 2 (SLU)	SLU	γ max	γ max	γ max	γ max	γ max	γ max	-----
3	Amb. 2 (SLE R)	SLE R	1	1	1	1	1	1	-----
4	Amb. 2 (SLE F)	SLE F	1	1	ψ_1	ψ_1	ψ_1	1	-----
5	Amb. 2 (SLE Q)	SLE Q	1	1	ψ_2	ψ_2	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	4	5	6	S X	S Y
1	CC 1 - Amb. 1 (SLU S) S +X+0.3Y	SLV	L	N	1.00	1.00	0.00	0.00	0.00	1.00	1.00	0.30
2	CC 2 - Amb. 1 (SLE) S +X+0.3Y	SLD	L	N	1.00	1.00	0.00	0.00	0.00	1.00	1.00	0.30
3	CC 3 - Amb. 1 (SLU S) S +X-0.3Y	SLV	L	N	1.00	1.00	0.00	0.00	0.00	1.00	1.00	-0.30
4	CC 4 - Amb. 1 (SLE) S +X-0.3Y	SLD	L	N	1.00	1.00	0.00	0.00	0.00	1.00	1.00	-0.30
5	CC 5 - Amb. 1 (SLU S) S -X+0.3Y	SLV	L	N	1.00	1.00	0.00	0.00	0.00	1.00	-1.00	0.30
6	CC 6 - Amb. 1 (SLE) S -X+0.3Y	SLD	L	N	1.00	1.00	0.00	0.00	0.00	1.00	-1.00	0.30
7	CC 7 - Amb. 1 (SLU S) S -X-0.3Y	SLV	L	N	1.00	1.00	0.00	0.00	0.00	1.00	-1.00	-0.30
8	CC 8 - Amb. 1 (SLE) S -X-0.3Y	SLD	L	N	1.00	1.00	0.00	0.00	0.00	1.00	-1.00	-0.30
9	CC 9 - Amb. 1 (SLU S) S +0.3X+Y	SLV	L	N	1.00	1.00	0.00	0.00	0.00	1.00	0.30	1.00
10	CC 10 - Amb. 1 (SLE) S +0.3X+Y	SLD	L	N	1.00	1.00	0.00	0.00	0.00	1.00	0.30	1.00
11	CC 11 - Amb. 1 (SLU S) S -0.3X+Y	SLV	L	N	1.00	1.00	0.00	0.00	0.00	1.00	-0.30	1.00
12	CC 12 - Amb. 1 (SLE) S -0.3X+Y	SLD	L	N	1.00	1.00	0.00	0.00	0.00	1.00	-0.30	1.00
13	CC 13 - Amb. 1 (SLU S) S +0.3X-Y	SLV	L	N	1.00	1.00	0.00	0.00	0.00	1.00	0.30	-1.00
14	CC 14 - Amb. 1 (SLE) S +0.3X-Y	SLD	L	N	1.00	1.00	0.00	0.00	0.00	1.00	0.30	-1.00
15	CC 15 - Amb. 1 (SLU S) S -0.3X-Y	SLV	L	N	1.00	1.00	0.00	0.00	0.00	1.00	-0.30	-1.00
16	CC 16 - Amb. 1 (SLE) S -0.3X-Y	SLD	L	N	1.00	1.00	0.00	0.00	0.00	1.00	-0.30	-1.00
17	CC 17 - Amb. 2 (SLU)	SLU	L	N	1.30	1.50	1.50	1.50	1.50	1.30	0.00	0.00
18	CC 18 - Amb. 2 (SLE R)	SLE R	L	N	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
19	CC 19 - Amb. 2 (SLE F)	SLE F	L	N	1.00	1.00	0.20	0.20	0.20	1.00	0.00	0.00
20	CC 20 - Amb. 2 (SLE Q)	SLE Q	L	N	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00

Elenco masse nodi

Simbologia
Nodo = Numero del nodo

Mo = Massa orizzontale

Nodo	Mo <kg>	Nodo	Mo <kg>	Nodo	Mo <kg>	Nodo	Mo <kg>	Nodo	Mo <kg>	Nodo	Mo <kg>
-123	4636.50	-122	4636.50	-121	4636.50	-120	4791.05	-119	4829.69	-118	4829.69
-117	4597.43	-116	7197.46	-115	7990.93	-114	4090.92	-113	7922.75	-112	5660.40
-111	4558.36	-110	4560.99	-109	4435.47	-108	4309.28	-107	4068.75	-106	4197.60
-105	4052.37	-104	4092.08	-103	3763.50	-102	3653.58	-101	3570.92	-100	3588.57
-99	3349.98	-98	3242.05	-97	2594.93	-96	2530.78	-95	2917.45	-94	2842.39
-93	2711.58	-92	2609.68	-91	2523.88	-90	2397.26	-89	2339.15	-88	1585.54
-87	1520.18	-86	1511.89	-85	2007.40	-84	1908.15	-83	1785.23	-82	1666.87
-81	1340.48	-80	1898.97	-79	1767.51	-78	1698.58	-77	1274.09	-76	1441.98
-75	1783.72	-74	2560.65	-73	2560.65	-72	2560.65	-71	2560.65	-70	2560.65
-69	2560.65	-68	2560.65	-67	2560.65	-66	2560.65	-65	2560.65	-64	2560.65
-63	2560.65	-62	2560.65	-61	2560.65	-60	2560.65	-59	2560.65	-58	2560.65
-57	2560.65	-56	2560.65	-19	2560.65	110	46903.90	112	7500.02	113	6040.92
114	6006.83	115	6791.57	116	5245.04	117	4559.68	118	4498.23	119	4372.38
120	4189.01	121	4133.18	122	4124.99	123	4072.22	124	3927.78	125	3708.54
126	3612.24	127	3579.75	128	3469.27	129	3296.02	130	2918.48	131	2562.86
132	2724.11	133	2879.93	134	2776.98	135	2660.64	136	2566.78	137	2460.58
138	2368.20	139	1962.35	140	1552.86	141	1516.04	142	1759.64	143	1957.78
144	1846.69	145	1726.05	146	1644.90	147	1478.50	148	1833.24	149	1733.05
150	1486.34	151	1358.04	152	1612.84	153	116590.00	268	4829.69	269	4810.37
270	4713.78	271	4636.50	272	4636.51						

Totali masse nodi

Mo <kg>
536769.00

Elenco forze sismiche nodali allo SLD

Simbologia

Nodo = Numero del nodo
cx = Coeff. c in dir. X
cy = Coeff. c in dir. Y
Fx = Forza in dir. X
Fy = Forza in dir. Y

Nodo	cx	cy	Fx <daN>	Fy <daN>
-123	0.00	0.00	26.74	26.74
-122	0.00	0.00	24.60	24.60
-121	0.00	0.00	22.47	22.47
-120	0.00	0.00	20.97	20.97
-119	0.00	0.00	18.83	18.83
-118	0.00	0.00	16.51	16.51
-117	0.00	0.00	27.58	27.58
-116	0.00	0.00	6.89	6.89
-115	0.00	0.00	11.88	11.88
-114	0.00	0.00	7.82	7.82
-113	0.00	0.00	18.50	18.50
-112	0.00	0.00	16.39	16.39
-111	0.00	0.00	28.44	28.44
-110	0.00	0.00	30.69	30.69
-109	0.01	0.01	32.08	32.08
-108	0.01	0.01	33.38	33.38
-107	0.01	0.01	33.62	33.62
-106	0.01	0.01	36.96	36.96
-105	0.01	0.01	37.96	37.96
-104	0.01	0.01	40.63	40.63
-103	0.01	0.01	39.47	39.47
-102	0.01	0.01	40.36	40.36
-101	0.01	0.01	41.45	41.45
-100	0.01	0.01	43.66	43.66
-99	0.01	0.01	42.63	42.63
-98	0.01	0.01	43.07	43.07
-97	0.01	0.01	35.80	35.80
-96	0.01	0.01	36.10	36.10
-95	0.01	0.01	43.10	43.10
-94	0.01	0.01	43.57	43.57
-93	0.01	0.01	43.07	43.07
-92	0.01	0.01	42.90	42.90
-91	0.01	0.01	42.89	42.89
-90	0.01	0.01	42.06	42.06
-89	0.01	0.01	42.34	42.34
-88	0.00	0.00	29.46	29.46
-87	0.00	0.00	28.84	28.84
-86	0.00	0.00	29.29	29.29

-85	0.01	0.01	39.84	39.84
-84	0.01	0.01	38.92	38.92
-83	0.01	0.01	37.39	37.39
-82	0.01	0.01	35.84	35.84
-81	0.00	0.00	29.56	29.56
-80	0.01	0.01	42.74	42.74
-79	0.01	0.01	40.76	40.76
-78	0.01	0.01	40.10	40.10
-77	0.00	0.00	30.70	30.70
-76	0.01	0.01	35.36	35.36
-75	0.01	0.01	44.49	44.49
-74	0.00	0.00	1.82	1.82
-73	0.00	0.00	1.82	1.82
-72	0.00	0.00	1.82	1.82
-71	0.00	0.00	1.82	1.82
-70	0.00	0.00	1.82	1.82
-69	0.00	0.00	1.82	1.82
-68	0.00	0.00	1.82	1.82
-67	0.00	0.00	1.82	1.82
-66	0.00	0.00	1.82	1.82
-65	0.00	0.00	1.82	1.82
-64	0.00	0.00	1.82	1.82
-63	0.00	0.00	1.82	1.82
-62	0.00	0.00	1.82	1.82
-61	0.00	0.00	1.82	1.82
-60	0.00	0.00	1.82	1.82
-59	0.00	0.00	1.82	1.82
-58	0.00	0.00	1.82	1.82
-57	0.00	0.00	1.82	1.82
-56	0.00	0.00	1.82	1.82
-19	0.00	0.00	1.82	1.82
110	0.01	0.01	33.35	33.35
112	0.00	0.00	9.04	9.04
113	0.00	0.00	10.68	10.68
114	0.00	0.00	12.35	12.35
115	0.00	0.00	17.76	17.76
116	0.00	0.00	16.67	16.67
117	0.00	0.00	29.54	29.54
118	0.01	0.01	31.39	31.39
119	0.01	0.01	32.73	32.73
120	0.01	0.01	33.53	33.53
121	0.01	0.01	35.23	35.23
122	0.01	0.01	37.48	37.48
123	0.01	0.01	39.29	39.29
124	0.01	0.01	40.10	40.10
125	0.01	0.01	39.93	39.93
126	0.01	0.01	40.92	40.92
127	0.01	0.01	42.55	42.55
128	0.01	0.01	43.18	43.18
129	0.01	0.01	42.87	42.87
130	0.01	0.01	39.59	39.59
131	0.01	0.01	35.96	35.96
132	0.01	0.01	39.49	39.49
133	0.01	0.01	43.34	43.34
134	0.01	0.01	43.34	43.34
135	0.01	0.01	43.00	43.00
136	0.01	0.01	42.90	42.90
137	0.01	0.01	42.49	42.49
138	0.01	0.01	42.21	42.21
139	0.01	0.01	36.07	36.07
140	0.00	0.00	29.16	29.16
141	0.00	0.00	29.07	29.07
142	0.01	0.01	34.43	34.43
143	0.01	0.01	39.39	39.39
144	0.01	0.01	38.17	38.17
145	0.01	0.01	36.63	36.63
146	0.01	0.01	35.82	35.82
147	0.01	0.01	32.87	32.87
148	0.01	0.01	41.77	41.77
149	0.01	0.01	40.44	40.44
150	0.01	0.01	35.50	35.50
151	0.01	0.01	33.01	33.01
152	0.01	0.01	39.89	39.89
153	0.48	0.48	2932.41	2932.41
268	0.00	0.00	17.67	17.67
269	0.00	0.00	19.91	19.91
270	0.00	0.00	21.75	21.75
271	0.00	0.00	23.53	23.53
272	0.00	0.00	25.67	25.67

Totali forze sismiche

Fx <daN>	Fy <daN>
6159.13	6159.13

Elenco forze sismiche nodali allo SLV

Nodo	cx	cy	Fx <daN>	Fy <daN>
-123	0.00	0.00	38.33	38.33
-122	0.00	0.00	35.26	35.26
-121	0.00	0.00	32.20	32.20
-120	0.00	0.00	30.05	30.05
-119	0.00	0.00	26.98	26.98
-118	0.00	0.00	23.66	23.66
-117	0.00	0.00	39.53	39.53
-116	0.00	0.00	9.88	9.88
-115	0.00	0.00	17.02	17.02
-114	0.00	0.00	11.21	11.21
-113	0.00	0.00	26.52	26.52
-112	0.00	0.00	23.49	23.49
-111	0.00	0.00	40.76	40.76
-110	0.00	0.00	43.99	43.99
-109	0.01	0.01	45.98	45.98
-108	0.01	0.01	47.84	47.84
-107	0.01	0.01	48.19	48.19
-106	0.01	0.01	52.97	52.97
-105	0.01	0.01	54.41	54.41
-104	0.01	0.01	58.24	58.24
-103	0.01	0.01	56.58	56.58
-102	0.01	0.01	57.85	57.85
-101	0.01	0.01	59.41	59.41
-100	0.01	0.01	62.58	62.58
-99	0.01	0.01	61.10	61.10
-98	0.01	0.01	61.73	61.73
-97	0.01	0.01	51.32	51.32
-96	0.01	0.01	51.74	51.74
-95	0.01	0.01	61.77	61.77
-94	0.01	0.01	62.45	62.45
-93	0.01	0.01	61.73	61.73
-92	0.01	0.01	61.48	61.48
-91	0.01	0.01	61.47	61.47
-90	0.01	0.01	60.29	60.29
-89	0.01	0.01	60.69	60.69
-88	0.00	0.00	42.22	42.22
-87	0.00	0.00	41.34	41.34
-86	0.00	0.00	41.97	41.97
-85	0.01	0.01	57.10	57.10
-84	0.01	0.01	55.78	55.78
-83	0.01	0.01	53.60	53.60
-82	0.01	0.01	51.36	51.36
-81	0.00	0.00	42.37	42.37
-80	0.01	0.01	61.26	61.26
-79	0.01	0.01	58.42	58.42
-78	0.01	0.01	57.48	57.48
-77	0.00	0.00	44.01	44.01
-76	0.01	0.01	50.68	50.68
-75	0.01	0.01	63.76	63.76
-74	0.00	0.00	2.61	2.61
-73	0.00	0.00	2.61	2.61
-72	0.00	0.00	2.61	2.61
-71	0.00	0.00	2.61	2.61
-70	0.00	0.00	2.61	2.61
-69	0.00	0.00	2.61	2.61
-68	0.00	0.00	2.61	2.61
-67	0.00	0.00	2.61	2.61
-66	0.00	0.00	2.61	2.61
-65	0.00	0.00	2.61	2.61
-64	0.00	0.00	2.61	2.61
-63	0.00	0.00	2.61	2.61
-62	0.00	0.00	2.61	2.61
-61	0.00	0.00	2.61	2.61
-60	0.00	0.00	2.61	2.61
-59	0.00	0.00	2.61	2.61
-58	0.00	0.00	2.61	2.61
-57	0.00	0.00	2.61	2.61
-56	0.00	0.00	2.61	2.61
-19	0.00	0.00	2.61	2.61
110	0.01	0.01	47.80	47.80

112	0.00	0.00	12.95	12.95
113	0.00	0.00	15.31	15.31
114	0.00	0.00	17.70	17.70
115	0.00	0.00	25.45	25.45
116	0.00	0.00	23.89	23.89
117	0.00	0.00	42.34	42.34
118	0.01	0.01	44.99	44.99
119	0.01	0.01	46.91	46.91
120	0.01	0.01	48.06	48.06
121	0.01	0.01	50.49	50.49
122	0.01	0.01	53.72	53.72
123	0.01	0.01	56.32	56.32
124	0.01	0.01	57.47	57.47
125	0.01	0.01	57.24	57.24
126	0.01	0.01	58.65	58.65
127	0.01	0.01	60.99	60.99
128	0.01	0.01	61.89	61.89
129	0.01	0.01	61.44	61.44
130	0.01	0.01	56.74	56.74
131	0.01	0.01	51.54	51.54
132	0.01	0.01	56.60	56.60
133	0.01	0.01	62.13	62.13
134	0.01	0.01	62.11	62.11
135	0.01	0.01	61.63	61.63
136	0.01	0.01	61.49	61.49
137	0.01	0.01	60.91	60.91
138	0.01	0.01	60.50	60.50
139	0.01	0.01	51.69	51.69
140	0.00	0.00	41.79	41.79
141	0.00	0.00	41.66	41.66
142	0.01	0.01	49.35	49.35
143	0.01	0.01	56.46	56.46
144	0.01	0.01	54.71	54.71
145	0.01	0.01	52.50	52.50
146	0.01	0.01	51.34	51.34
147	0.01	0.01	47.11	47.11
148	0.01	0.01	59.86	59.86
149	0.01	0.01	57.96	57.96
150	0.01	0.01	50.89	50.89
151	0.01	0.01	47.32	47.32
152	0.01	0.01	57.17	57.17
153	0.48	0.48	4203.02	4203.02
268	0.00	0.00	25.32	25.32
269	0.00	0.00	28.53	28.53
270	0.00	0.00	31.18	31.18
271	0.00	0.00	33.73	33.73
272	0.00	0.00	36.80	36.80

Totali forze sismiche

Fx <daN>	Fy <daN>
8827.86	8827.86

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
-123	Max	10.65	17	3.96	9	-0.26	1	0.02	17	0.01	17	0.00	17
-123	Min.	-3.96	5	-36.50	17	-0.34	17	-0.00	9	-0.00	5	0.00	1
-122	Max	9.14	17	3.41	9	-0.25	1	0.02	17	0.01	17	0.00	17
-122	Min.	-3.41	5	-31.39	17	-0.33	17	-0.00	9	-0.00	5	0.00	1
-121	Max	7.74	17	2.89	9	-0.24	1	0.02	17	0.01	17	0.00	17
-121	Min.	-2.89	5	-26.64	17	-0.32	17	-0.00	9	-0.00	5	0.00	1
-120	Max	6.43	17	2.41	9	-0.23	1	0.02	17	0.01	17	0.00	17
-120	Min.	-2.41	5	-22.17	17	-0.31	17	-0.00	11	-0.00	7	0.00	1
-119	Max	5.21	17	1.96	9	-0.22	1	0.02	17	0.00	17	0.00	17
-119	Min.	-1.96	5	-18.01	17	-0.30	17	-0.00	11	-0.00	7	0.00	1
-118	Max	4.11	17	1.55	9	-0.21	1	0.01	17	0.00	17	0.00	17
-118	Min.	-1.55	5	-14.24	17	-0.28	17	-0.00	11	-0.00	7	0.00	1

-117	Max	11.44	17	4.25	9	-0.26	1	0.02	17	0.01	17	0.00	17
-117	Min.	-4.25	5	-39.18	17	-0.35	17	-0.00	9	-0.00	5	0.00	1
-116	Max	0.32	17	0.12	9	-0.18	1	0.01	17	0.00	17	0.00	17
-116	Min.	-0.12	5	-1.12	17	-0.23	17	0.00	11	0.00	7	0.00	1
-115	Max	0.91	17	0.34	9	-0.18	1	0.01	17	0.00	17	0.00	17
-115	Min.	-0.34	5	-3.17	17	-0.24	17	0.00	11	0.00	7	0.00	1
-114	Max	1.47	17	0.56	9	-0.19	1	0.01	17	0.00	17	0.00	17
-114	Min.	-0.56	5	-5.12	17	-0.25	17	-0.00	11	-0.00	7	0.00	1
-113	Max	2.11	17	0.80	9	-0.20	1	0.01	17	0.00	17	0.00	17
-113	Min.	-0.80	5	-7.32	17	-0.26	17	-0.00	11	-0.00	7	0.00	1
-112	Max	3.07	17	1.16	9	-0.20	1	0.01	17	0.00	17	0.00	17
-112	Min.	-1.16	5	-10.64	17	-0.27	17	-0.00	11	-0.00	7	0.00	1
-111	Max	12.30	17	4.57	9	-0.26	1	0.02	17	0.01	17	0.00	17
-111	Min.	-4.57	5	-42.07	17	-0.35	17	-0.00	9	-0.00	5	0.00	1
-110	Max	14.14	17	5.24	9	-0.27	1	0.02	17	0.01	17	0.00	17
-110	Min.	-5.24	5	-48.24	17	-0.36	17	-0.00	9	-0.00	5	0.00	1
-109	Max	16.16	17	5.97	9	-0.28	1	0.03	17	0.01	17	0.00	17
-109	Min.	-5.97	5	-55.01	17	-0.38	17	-0.00	9	-0.00	5	0.00	1
-108	Max	18.36	17	6.76	9	-0.29	1	0.03	17	0.01	17	0.00	17
-108	Min.	-6.76	5	-62.33	17	-0.39	17	-0.00	9	-0.00	5	0.00	1
-107	Max	20.73	17	7.61	9	-0.30	1	0.03	17	0.01	17	0.00	17
-107	Min.	-7.61	5	-70.19	17	-0.40	17	-0.00	9	-0.00	5	0.00	1
-106	Max	23.36	17	8.55	9	-0.31	1	0.03	17	0.01	17	0.00	17
-106	Min.	-8.55	5	-78.88	17	-0.41	17	-0.00	9	-0.00	5	0.00	1
-105	Max	26.27	17	9.58	9	-0.32	1	0.03	17	0.01	17	0.00	17
-105	Min.	-9.58	5	-88.47	17	-0.43	17	-0.00	9	-0.00	5	0.00	1
-104	Max	29.36	17	10.67	9	-0.33	1	0.04	17	0.01	17	0.00	17
-104	Min.	-10.67	5	-98.57	17	-0.44	17	-0.00	9	-0.00	5	0.00	1
-103	Max	32.61	17	11.81	9	-0.34	1	0.04	17	0.01	17	0.00	17
-103	Min.	-11.81	5	-109.15	17	-0.46	17	-0.00	9	-0.00	5	0.00	1
-102	Max	36.04	17	13.00	9	-0.35	1	0.04	17	0.01	17	0.00	17
-102	Min.	-13.00	5	-120.26	17	-0.47	17	-0.00	9	-0.00	5	0.00	1
-101	Max	39.65	17	14.25	9	-0.36	1	0.04	17	0.01	17	0.00	17
-101	Min.	-14.25	5	-131.90	17	-0.49	17	-0.00	9	-0.00	5	0.00	1
-100	Max	43.45	17	15.56	9	-0.37	1	0.04	17	0.01	17	0.00	17
-100	Min.	-15.56	5	-144.06	17	-0.50	17	-0.00	9	-0.00	5	0.00	1
-99	Max	47.41	17	16.91	9	-0.38	1	0.04	17	0.01	17	0.00	17
-99	Min.	-16.91	5	-156.72	17	-0.52	17	-0.00	9	-0.00	5	0.00	1
-98	Max	51.56	17	18.32	9	-0.39	1	0.05	17	0.01	17	0.00	17
-98	Min.	-18.32	5	-169.88	17	-0.53	17	-0.00	9	-0.00	5	0.00	1
-97	Max	55.52	17	19.65	9	-0.40	1	0.05	17	0.02	17	0.00	17
-97	Min.	-19.65	5	-182.38	17	-0.54	17	-0.01	9	-0.01	5	0.00	1
-96	Max	59.24	17	20.90	9	-0.41	1	0.05	17	0.02	17	0.00	17
-96	Min.	-20.90	5	-194.09	17	-0.56	17	-0.01	9	-0.01	5	0.00	1
-95	Max	63.47	17	22.31	9	-0.42	1	0.05	17	0.02	17	0.00	17
-95	Min.	-22.31	5	-207.31	17	-0.57	17	-0.01	9	-0.01	5	0.00	1
-94	Max	68.24	17	23.89	9	-0.43	1	0.05	17	0.02	17	0.00	17
-94	Min.	-23.89	5	-222.15	17	-0.59	17	-0.01	9	-0.01	5	0.00	1
-93	Max	73.18	17	25.52	9	-0.44	1	0.05	17	0.02	17	0.00	17
-93	Min.	-25.52	5	-237.46	17	-0.60	17	-0.01	9	-0.01	5	0.00	1
-92	Max	78.30	17	27.19	9	-0.45	1	0.06	17	0.02	17	0.00	17
-92	Min.	-27.19	5	-253.23	17	-0.62	17	-0.01	9	-0.01	5	0.00	1
-91	Max	83.60	17	28.91	9	-0.46	1	0.06	17	0.02	17	0.00	17
-91	Min.	-28.91	5	-269.46	17	-0.63	17	-0.01	9	-0.01	5	0.00	1
-90	Max	89.07	17	30.67	9	-0.47	1	0.06	17	0.02	17	0.00	17
-90	Min.	-30.67	5	-286.15	17	-0.65	17	-0.01	9	-0.01	5	0.00	1
-89	Max	94.73	17	32.47	9	-0.48	1	0.06	17	0.02	17	0.00	17
-89	Min.	-32.47	5	-303.28	17	-0.66	17	-0.01	9	-0.01	5	0.00	1
-88	Max	99.72	17	34.05	9	-0.49	1	0.06	17	0.02	17	0.00	17
-88	Min.	-34.05	5	-318.32	17	-0.68	17	-0.01	9	-0.01	5	0.00	1
-87	Max	103.97	17	35.39	9	-0.50	1	0.06	17	0.02	17	0.00	17
-87	Min.	-35.39	5	-331.09	17	-0.69	17	-0.01	9	-0.01	5	0.00	1
-86	Max	108.32	17	36.76	9	-0.51	1	0.06	17	0.02	17	0.00	17
-86	Min.	-36.76	5	-344.08	17	-0.70	17	-0.01	9	-0.01	5	0.00	1
-85	Max	113.63	17	38.41	9	-0.52	1	0.06	17	0.02	17	0.00	17
-85	Min.	-38.41	5	-359.89	17	-0.72	17	-0.01	9	-0.01	5	0.00	1
-84	Max	119.97	17	40.36	9	-0.53	1	0.07	17	0.02	17	0.00	17
-84	Min.	-40.36	5	-378.65	17	-0.73	17	-0.01	9	-0.01	5	0.00	1
-83	Max	126.47	17	42.35	9	-0.54	1	0.07	17	0.02	17	0.00	17
-83	Min.	-42.35	5	-397.80	17	-0.75	17	-0.01	9	-0.01	5	0.00	1
-82	Max	133.15	17	44.38	9	-0.56	1	0.07	17	0.02	17	0.00	17
-82	Min.	-44.38	5	-417.34	17	-0.77	17	-0.01	9	-0.01	5	0.00	1
-81	Max	139.99	17	46.44	9	-0.57	1	0.07	17	0.02	17	0.00	17
-81	Min.	-46.44	5	-437.27	17	-0.79	17	-0.01	9	-0.01	5	0.00	1
-80	Max	145.76	17	48.16	9	-0.58	1	0.07	17	0.02	17	0.00	17
-80	Min.	-48.16	5	-453.99	17	-0.80	17	-0.01	9	-0.01	5	0.00	1
-79	Max	152.87	17	50.26	9	-0.59	1	0.07	17	0.02	17	0.00	17
-79	Min.	-50.26	5	-474.47	17	-0.82	17	-0.01	9	-0.01	5	0.00	1
-78	Max	160.09	17	52.37	9	-0.60	1	0.07	17	0.03	17	0.00	17

-78	Min.	-52.37	5	-495.21	17	-0.84	17	-0.01	9	-0.01	5	0.00	1
-77	Max	166.56	17	54.25	9	-0.61	1	0.07	17	0.03	17	0.00	17
-77	Min.	-54.25	5	-513.67	17	-0.85	17	-0.01	9	-0.01	5	0.00	1
-76	Max	172.22	17	55.88	9	-0.62	1	0.07	17	0.03	17	0.00	17
-76	Min.	-55.88	5	-529.79	17	-0.87	17	-0.01	9	-0.01	5	0.00	1
-75	Max	177.92	17	57.52	9	-0.63	1	0.07	17	0.03	17	0.00	17
-75	Min.	-57.52	5	-545.98	17	-0.88	17	-0.01	9	-0.01	5	0.00	1
-74	Max	0.08	17	0.03	9	-0.15	5	0.00	7	0.00	5	0.00	17
-74	Min.	-0.02	7	-0.15	17	-0.34	17	0.00	17	-0.00	17	0.00	9
-73	Max	0.11	17	0.03	9	-0.15	5	0.00	5	0.00	5	0.00	17
-73	Min.	-0.03	7	-0.14	17	-0.39	17	-0.00	17	-0.00	17	0.00	9
-72	Max	0.14	17	0.03	9	-0.15	11	0.00	11	0.00	11	0.00	17
-72	Min.	-0.03	7	-0.15	17	-0.42	17	-0.00	17	0.00	17	0.00	1
-71	Max	0.17	17	0.02	9	-0.15	11	0.00	11	0.00	9	0.00	17
-71	Min.	-0.03	7	-0.17	17	-0.43	17	-0.00	17	0.00	17	0.00	1
-70	Max	0.20	17	0.02	9	-0.15	9	0.00	11	0.00	17	0.00	5
-70	Min.	-0.03	5	-0.21	17	-0.43	17	-0.00	17	0.00	5	0.00	17
-69	Max	0.21	17	0.02	11	-0.15	9	0.00	9	0.00	17	0.00	5
-69	Min.	-0.03	5	-0.26	17	-0.40	17	-0.00	17	0.00	11	0.00	17
-68	Max	0.20	17	0.03	11	-0.15	9	0.00	9	0.00	17	0.00	5
-68	Min.	-0.03	5	-0.31	17	-0.35	17	0.00	17	0.00	9	0.00	17
-67	Max	0.17	17	0.03	11	-0.15	1	0.00	17	0.00	17	0.00	11
-67	Min.	-0.03	5	-0.36	17	-0.30	17	0.00	7	0.00	1	0.00	17
-66	Max	0.12	17	0.03	11	-0.15	1	0.00	17	0.00	17	0.00	11
-66	Min.	-0.02	5	-0.39	17	-0.23	17	0.00	5	0.00	1	0.00	17
-65	Max	0.06	17	0.03	9	-0.13	18	0.00	17	0.00	7	0.00	9
-65	Min.	-0.02	5	-0.40	17	-0.19	5	0.00	9	0.00	17	0.00	17
-64	Max	0.02	1	0.03	9	-0.09	18	0.00	17	0.00	5	0.00	9
-64	Min.	-0.02	7	-0.38	17	-0.19	5	0.00	1	-0.00	17	0.00	17
-63	Max	0.03	1	0.03	9	-0.06	17	0.00	5	0.00	5	0.00	9
-63	Min.	-0.04	17	-0.34	17	-0.19	5	0.00	17	-0.00	17	0.00	17
-62	Max	0.03	1	0.03	9	-0.03	17	0.00	11	0.00	11	0.00	1
-62	Min.	-0.06	17	-0.29	17	-0.19	11	-0.00	17	-0.00	17	0.00	17
-61	Max	0.03	1	0.02	9	-0.01	17	0.00	11	0.00	9	0.00	17
-61	Min.	-0.06	17	-0.25	17	-0.19	11	-0.00	17	-0.00	17	0.00	7
-60	Max	0.03	3	0.02	9	-0.02	17	0.00	11	0.00	3	0.00	17
-60	Min.	-0.04	17	-0.21	17	-0.19	9	-0.00	17	0.00	17	0.00	5
-59	Max	0.03	3	0.02	11	-0.05	17	0.00	9	0.00	17	0.00	17
-59	Min.	-0.03	5	-0.18	17	-0.19	9	-0.00	17	0.00	11	0.00	5
-58	Max	0.03	3	0.03	11	-0.09	18	0.00	9	0.00	17	0.00	17
-58	Min.	-0.03	5	-0.17	17	-0.19	9	-0.00	17	0.00	9	0.00	5
-57	Max	0.03	3	0.03	11	-0.12	18	0.00	1	0.00	17	0.00	17
-57	Min.	-0.03	5	-0.16	17	-0.19	1	0.00	17	0.00	1	0.00	11
-56	Max	0.04	17	0.03	11	-0.15	7	0.00	3	0.00	7	0.00	17
-56	Min.	-0.02	5	-0.16	17	-0.22	17	0.00	17	0.00	1	0.00	11
-55	Max	0.00	1	0.00	1	-0.16	5	0.00	17	0.00	17	0.00	1
-55	Min.	0.00	1	0.00	1	-0.27	17	0.00	9	0.00	7	0.00	1
-54	Max	0.00	1	0.00	1	-0.16	5	0.00	17	0.00	17	0.00	1
-54	Min.	0.00	1	0.00	1	-0.29	17	0.00	9	0.00	7	0.00	1
-53	Max	0.00	1	0.00	1	-0.16	11	0.00	17	0.00	17	0.00	1
-53	Min.	0.00	1	0.00	1	-0.30	17	0.00	9	0.00	7	0.00	1
-52	Max	0.00	1	0.00	1	-0.16	11	0.00	17	0.00	17	0.00	1
-52	Min.	0.00	1	0.00	1	-0.31	17	0.00	9	0.00	7	0.00	1
-51	Max	0.00	1	0.00	1	-0.16	9	0.00	17	0.00	17	0.00	1
-51	Min.	0.00	1	0.00	1	-0.30	17	0.00	9	0.00	7	0.00	1
-50	Max	0.00	1	0.00	1	-0.16	9	0.00	17	0.00	17	0.00	1
-50	Min.	0.00	1	0.00	1	-0.29	17	0.00	11	0.00	5	0.00	1
-49	Max	0.00	1	0.00	1	-0.16	9	0.00	17	0.00	17	0.00	1
-49	Min.	0.00	1	0.00	1	-0.27	17	0.00	11	0.00	5	0.00	1
-48	Max	0.00	1	0.00	1	-0.16	1	0.00	17	0.00	17	0.00	1
-48	Min.	0.00	1	0.00	1	-0.25	17	0.00	11	0.00	5	0.00	1
-47	Max	0.00	1	0.00	1	-0.16	1	0.00	17	0.00	17	0.00	1
-47	Min.	0.00	1	0.00	1	-0.22	17	0.00	11	0.00	5	0.00	1
-46	Max	0.00	1	0.00	1	-0.15	18	0.00	17	0.00	17	0.00	1
-46	Min.	0.00	1	0.00	1	-0.20	17	0.00	11	0.00	5	0.00	1
-45	Max	0.00	1	0.00	1	-0.14	18	0.00	17	0.00	17	0.00	1
-45	Min.	0.00	1	0.00	1	-0.18	5	0.00	9	0.00	7	0.00	1
-44	Max	0.00	1	0.00	1	-0.12	18	0.00	17	0.00	17	0.00	1
-44	Min.	0.00	1	0.00	1	-0.18	5	0.00	9	0.00	7	0.00	1
-43	Max	0.00	1	0.00	1	-0.12	18	0.00	17	0.00	17	0.00	1
-43	Min.	0.00	1	0.00	1	-0.18	11	0.00	9	0.00	7	0.00	1
-42	Max	0.00	1	0.00	1	-0.11	18	0.00	17	0.00	17	0.00	1
-42	Min.	0.00	1	0.00	1	-0.18	11	0.00	9	0.00	7	0.00	1
-41	Max	0.00	1	0.00	1	-0.11	18	0.00	17	0.00	17	0.00	1
-41	Min.	0.00	1	0.00	1	-0.18	9	0.00	9	0.00	7	0.00	1
-40	Max	0.00	1	0.00	1	-0.12	18	0.00	17	0.00	17	0.00	1
-40	Min.	0.00	1	0.00	1	-0.18	9	0.00	11	0.00	5	0.00	1
-39	Max	0.00	1	0.00	1	-0.13	18	0.00	17	0.00	17	0.00	1
-39	Min.	0.00	1	0.00	1	-0.18	9	0.00	11	0.00	5	0.00	1

-38	Max	0.00	1	0.00	1	-0.15	18	0.00	17	0.00	17	0.00	1
-38	Min.	0.00	1	0.00	1	-0.19	17	0.00	11	0.00	5	0.00	1
-37	Max	0.00	1	0.00	1	-0.16	7	0.00	17	0.00	17	0.00	1
-37	Min.	0.00	1	0.00	1	-0.22	17	0.00	11	0.00	5	0.00	1
-19	Max	0.06	17	0.03	9	-0.15	5	0.00	15	0.00	7	0.00	17
-19	Min.	-0.02	5	-0.15	17	-0.28	17	0.00	17	0.00	17	0.00	9
-1	Max	0.00	1	0.00	1	-0.16	5	0.00	17	0.00	17	0.00	1
-1	Min.	0.00	1	0.00	1	-0.25	17	0.00	11	0.00	5	0.00	1
1	Max	0.00	1	0.00	1	-0.17	1	0.00	17	0.00	17	0.00	1
1	Min.	0.00	1	0.00	1	-0.23	17	0.00	9	0.00	5	0.00	1
2	Max	0.00	1	0.00	1	-0.15	5	0.00	17	0.00	17	0.00	1
2	Min.	0.00	1	0.00	1	-0.24	17	0.00	11	0.00	7	0.00	1
110	Max	0.09	17	0.03	9	-0.17	1	0.01	17	0.00	17	0.00	17
110	Min.	-0.03	5	-0.31	17	-0.22	17	0.00	11	0.00	7	0.00	1
111	Max	0.00	1	0.00	1	-0.17	1	0.00	11	0.00	7	0.00	1
111	Min.	0.00	1	0.00	1	-0.22	17	-0.00	17	0.00	17	0.00	1
112	Max	0.58	17	0.22	9	-0.18	1	0.01	17	0.00	17	0.00	17
112	Min.	-0.22	5	-2.03	17	-0.23	17	0.00	11	0.00	7	0.00	1
113	Max	1.27	17	0.48	9	-0.19	1	0.01	17	0.00	17	0.00	17
113	Min.	-0.48	5	-4.43	17	-0.25	17	0.00	11	0.00	7	0.00	1
114	Max	1.68	17	0.64	9	-0.19	1	0.01	17	0.00	17	0.00	17
114	Min.	-0.64	5	-5.84	17	-0.25	17	-0.00	11	-0.00	7	0.00	1
115	Max	2.56	17	0.97	9	-0.20	1	0.01	17	0.00	17	0.00	17
115	Min.	-0.97	5	-8.90	17	-0.26	17	-0.00	11	-0.00	7	0.00	1
116	Max	3.61	17	1.36	9	-0.21	1	0.01	17	0.00	17	0.00	17
116	Min.	-1.36	5	-12.52	17	-0.28	17	-0.00	11	-0.00	7	0.00	1
117	Max	13.19	17	4.89	9	-0.27	1	0.02	17	0.01	17	0.00	17
117	Min.	-4.89	5	-45.04	17	-0.36	17	-0.00	9	-0.00	5	0.00	1
118	Max	15.12	17	5.59	9	-0.28	1	0.03	17	0.01	17	0.00	17
118	Min.	-5.59	5	-51.55	17	-0.37	17	-0.00	9	-0.00	5	0.00	1
119	Max	17.23	17	6.35	9	-0.29	1	0.03	17	0.01	17	0.00	17
119	Min.	-6.35	5	-58.57	17	-0.38	17	-0.00	9	-0.00	5	0.00	1
120	Max	19.52	17	7.18	9	-0.29	1	0.03	17	0.01	17	0.00	17
120	Min.	-7.18	5	-66.21	17	-0.39	17	-0.00	9	-0.00	5	0.00	1
121	Max	21.97	17	8.05	9	-0.30	1	0.03	17	0.01	17	0.00	17
121	Min.	-8.05	5	-74.30	17	-0.41	17	-0.00	9	-0.00	5	0.00	1
122	Max	24.79	17	9.06	9	-0.31	1	0.03	17	0.01	17	0.00	17
122	Min.	-9.06	5	-83.61	17	-0.42	17	-0.00	9	-0.00	5	0.00	1
123	Max	27.80	17	10.12	9	-0.32	1	0.03	17	0.01	17	0.00	17
123	Min.	-10.12	5	-93.47	17	-0.44	17	-0.00	9	-0.00	5	0.00	1
124	Max	30.96	17	11.23	9	-0.33	1	0.04	17	0.01	17	0.00	17
124	Min.	-11.23	5	-103.79	17	-0.45	17	-0.00	9	-0.00	5	0.00	1
125	Max	34.30	17	12.40	9	-0.34	1	0.04	17	0.01	17	0.00	17
125	Min.	-12.40	5	-114.64	17	-0.46	17	-0.00	9	-0.00	5	0.00	1
126	Max	37.82	17	13.62	9	-0.36	1	0.04	17	0.01	17	0.00	17
126	Min.	-13.62	5	-126.02	17	-0.48	17	-0.00	9	-0.00	5	0.00	1
127	Max	41.53	17	14.90	9	-0.37	1	0.04	17	0.01	17	0.00	17
127	Min.	-14.90	5	-137.92	17	-0.49	17	-0.00	9	-0.00	5	0.00	1
128	Max	45.41	17	16.23	9	-0.38	1	0.04	17	0.01	17	0.00	17
128	Min.	-16.23	5	-150.33	17	-0.51	17	-0.00	9	-0.00	5	0.00	1
129	Max	49.47	17	17.61	9	-0.39	1	0.05	17	0.01	17	0.00	17
129	Min.	-17.61	5	-163.24	17	-0.52	17	-0.00	9	-0.00	5	0.00	1
130	Max	53.70	17	19.04	9	-0.40	1	0.05	17	0.01	17	0.00	17
130	Min.	-19.04	5	-176.65	17	-0.54	17	-0.01	9	-0.01	5	0.00	1
131	Max	57.37	17	20.27	9	-0.40	1	0.05	17	0.02	17	0.00	17
131	Min.	-20.27	5	-188.19	17	-0.55	17	-0.01	9	-0.01	5	0.00	1
132	Max	61.15	17	21.54	9	-0.41	1	0.05	17	0.02	17	0.00	17
132	Min.	-21.54	5	-200.07	17	-0.56	17	-0.01	9	-0.01	5	0.00	1
133	Max	65.83	17	23.10	9	-0.42	1	0.05	17	0.02	17	0.00	17
133	Min.	-23.10	5	-214.67	17	-0.58	17	-0.01	9	-0.01	5	0.00	1
134	Max	70.68	17	24.70	9	-0.43	1	0.05	17	0.02	17	0.00	17
134	Min.	-24.70	5	-229.74	17	-0.59	17	-0.01	9	-0.01	5	0.00	1
135	Max	75.72	17	26.35	9	-0.44	1	0.05	17	0.02	17	0.00	17
135	Min.	-26.35	5	-245.28	17	-0.61	17	-0.01	9	-0.01	5	0.00	1
136	Max	80.93	17	28.04	9	-0.46	1	0.06	17	0.02	17	0.00	17
136	Min.	-28.04	5	-261.29	17	-0.62	17	-0.01	9	-0.01	5	0.00	1
137	Max	86.31	17	29.78	9	-0.47	1	0.06	17	0.02	17	0.00	17
137	Min.	-29.78	5	-277.75	17	-0.64	17	-0.01	9	-0.01	5	0.00	1
138	Max	91.88	17	31.56	9	-0.48	1	0.06	17	0.02	17	0.00	17
138	Min.	-31.56	5	-294.66	17	-0.66	17	-0.01	9	-0.01	5	0.00	1
139	Max	97.62	17	33.39	9	-0.49	1	0.06	17	0.02	17	0.00	17
139	Min.	-33.39	5	-312.01	17	-0.67	17	-0.01	9	-0.01	5	0.00	1
140	Max	101.83	17	34.72	9	-0.50	1	0.06	17	0.02	17	0.00	17
140	Min.	-34.72	5	-324.68	17	-0.68	17	-0.01	9	-0.01	5	0.00	1
141	Max	106.13	17	36.07	9	-0.50	1	0.06	17	0.02	17	0.00	17
141	Min.	-36.07	5	-337.56	17	-0.70	17	-0.01	9	-0.01	5	0.00	1
142	Max	110.52	17	37.44	9	-0.51	1	0.06	17	0.02	17	0.00	17
142	Min.	-37.44	5	-350.66	17	-0.71	17	-0.01	9	-0.01	5	0.00	1
143	Max	116.78	17	39.38	9	-0.52	1	0.07	17	0.02	17	0.00	17

143	Min.	-39.38	5	-369.22	17	-0.72	17	-0.01	9	-0.01	5	0.00	1
144	Max	123.19	17	41.35	9	-0.54	1	0.07	17	0.02	17	0.00	17
144	Min.	-41.35	5	-388.17	17	-0.74	17	-0.01	9	-0.01	5	0.00	1
145	Max	129.78	17	43.36	9	-0.55	1	0.07	17	0.02	17	0.00	17
145	Min.	-43.36	5	-407.51	17	-0.76	17	-0.01	9	-0.01	5	0.00	1
146	Max	136.55	17	45.40	9	-0.56	1	0.07	17	0.02	17	0.00	17
146	Min.	-45.40	5	-427.26	17	-0.78	17	-0.01	9	-0.01	5	0.00	1
147	Max	142.26	17	47.11	9	-0.57	1	0.07	17	0.02	17	0.00	17
147	Min.	-47.11	5	-443.84	17	-0.80	17	-0.01	9	-0.01	5	0.00	1
148	Max	149.30	17	49.20	9	-0.58	1	0.07	17	0.02	17	0.00	17
148	Min.	-49.20	5	-464.19	17	-0.81	17	-0.01	9	-0.01	5	0.00	1
149	Max	156.47	17	51.31	9	-0.59	1	0.07	17	0.03	17	0.00	17
149	Min.	-51.31	5	-484.81	17	-0.83	17	-0.01	9	-0.01	5	0.00	1
150	Max	163.75	17	53.44	9	-0.61	1	0.07	17	0.03	17	0.00	17
150	Min.	-53.44	5	-505.66	17	-0.85	17	-0.01	9	-0.01	5	0.00	1
151	Max	169.38	17	55.07	9	-0.61	1	0.07	17	0.03	17	0.00	17
151	Min.	-55.07	5	-521.72	17	-0.86	17	-0.01	9	-0.01	5	0.00	1
152	Max	175.06	17	56.70	9	-0.62	1	0.07	17	0.03	17	0.00	17
152	Min.	-56.70	5	-537.88	17	-0.87	17	-0.01	9	-0.01	5	0.00	1
153	Max	180.78	17	58.34	9	-0.63	1	0.07	17	0.03	17	0.00	17
153	Min.	-58.34	5	-554.10	17	-0.88	17	-0.01	9	-0.01	5	0.00	1
249	Max	0.00	1	0.00	1	-0.15	7	0.00	17	0.00	17	0.00	1
249	Min.	0.00	1	0.00	1	-0.21	17	0.00	11	0.00	5	0.00	1
250	Max	0.00	1	0.00	1	-0.14	18	0.00	17	0.00	17	0.00	1
250	Min.	0.00	1	0.00	1	-0.18	17	0.00	11	0.00	5	0.00	1
251	Max	0.00	1	0.00	1	-0.12	18	0.00	17	0.00	17	0.00	1
251	Min.	0.00	1	0.00	1	-0.18	9	0.00	11	0.00	5	0.00	1
252	Max	0.00	1	0.00	1	-0.11	18	0.00	17	0.00	17	0.00	1
252	Min.	0.00	1	0.00	1	-0.18	9	0.00	11	0.00	5	0.00	1
253	Max	0.00	1	0.00	1	-0.10	18	0.00	17	0.00	17	0.00	1
253	Min.	0.00	1	0.00	1	-0.18	9	0.00	11	0.00	7	0.00	1
254	Max	0.00	1	0.00	1	-0.10	18	0.00	17	0.00	17	0.00	1
254	Min.	0.00	1	0.00	1	-0.18	11	0.00	9	0.00	7	0.00	1
255	Max	0.00	1	0.00	1	-0.10	18	0.00	17	0.00	17	0.00	1
255	Min.	0.00	1	0.00	1	-0.18	11	0.00	9	0.00	7	0.00	1
256	Max	0.00	1	0.00	1	-0.11	18	0.00	17	0.00	17	0.00	1
256	Min.	0.00	1	0.00	1	-0.18	5	0.00	9	0.00	7	0.00	1
257	Max	0.00	1	0.00	1	-0.13	18	0.00	17	0.00	17	0.00	1
257	Min.	0.00	1	0.00	1	-0.18	5	0.00	9	0.00	7	0.00	1
258	Max	0.00	1	0.00	1	-0.15	18	0.00	17	0.00	17	0.00	1
258	Min.	0.00	1	0.00	1	-0.19	17	0.00	11	0.00	7	0.00	1
259	Max	0.00	1	0.00	1	-0.15	1	0.00	17	0.00	17	0.00	1
259	Min.	0.00	1	0.00	1	-0.22	17	0.00	11	0.00	5	0.00	1
260	Max	0.00	1	0.00	1	-0.16	1	0.00	17	0.00	17	0.00	1
260	Min.	0.00	1	0.00	1	-0.25	17	0.00	11	0.00	5	0.00	1
261	Max	0.00	1	0.00	1	-0.16	9	0.00	17	0.00	17	0.00	1
261	Min.	0.00	1	0.00	1	-0.28	17	0.00	11	0.00	5	0.00	1
262	Max	0.00	1	0.00	1	-0.15	9	0.00	17	0.00	17	0.00	1
262	Min.	0.00	1	0.00	1	-0.30	17	0.00	11	0.00	5	0.00	1
263	Max	0.00	1	0.00	1	-0.15	9	0.00	17	0.00	17	0.00	1
263	Min.	0.00	1	0.00	1	-0.31	17	0.00	11	0.00	7	0.00	1
264	Max	0.00	1	0.00	1	-0.15	11	0.00	17	0.00	17	0.00	1
264	Min.	0.00	1	0.00	1	-0.32	17	0.00	9	0.00	7	0.00	1
265	Max	0.00	1	0.00	1	-0.16	11	0.00	17	0.00	17	0.00	1
265	Min.	0.00	1	0.00	1	-0.31	17	0.00	9	0.00	7	0.00	1
266	Max	0.00	1	0.00	1	-0.16	5	0.00	17	0.00	17	0.00	1
266	Min.	0.00	1	0.00	1	-0.30	17	0.00	9	0.00	7	0.00	1
267	Max	0.00	1	0.00	1	-0.15	5	0.00	17	0.00	17	0.00	1
267	Min.	0.00	1	0.00	1	-0.27	17	0.00	9	0.00	7	0.00	1
268	Max	4.65	17	1.75	9	-0.22	1	0.02	17	0.00	17	0.00	17
268	Min.	-1.75	5	-16.07	17	-0.29	17	-0.00	11	-0.00	7	0.00	1
269	Max	5.81	17	2.18	9	-0.23	1	0.02	17	0.00	17	0.00	17
269	Min.	-2.18	5	-20.05	17	-0.30	17	-0.00	11	-0.00	7	0.00	1
270	Max	7.08	17	2.65	9	-0.24	1	0.02	17	0.01	17	0.00	17
270	Min.	-2.65	5	-24.39	17	-0.31	17	-0.00	9	-0.00	5	0.00	1
271	Max	8.43	17	3.15	9	-0.24	1	0.02	17	0.01	17	0.00	17
271	Min.	-3.15	5	-28.97	17	-0.32	17	-0.00	9	-0.00	5	0.00	1
272	Max	9.88	17	3.68	9	-0.25	1	0.02	17	0.01	17	0.00	17
272	Min.	-3.68	5	-33.90	17	-0.34	17	-0.00	9	-0.00	5	0.00	1
273	Max	0.00	1	0.00	1	-0.14	5	0.00	17	0.00	17	0.00	1
273	Min.	0.00	1	0.00	1	-0.24	17	0.00	11	0.00	7	0.00	1
274	Max	0.00	1	0.00	1	-0.13	7	0.00	17	0.00	18	0.00	1
274	Min.	0.00	1	0.00	1	-0.23	17	0.00	11	0.00	7	0.00	1
275	Max	0.00	1	0.00	1	-0.12	7	0.00	17	0.00	18	0.00	1
275	Min.	0.00	1	0.00	1	-0.22	17	0.00	11	0.00	7	0.00	1
276	Max	0.00	1	0.00	1	-0.11	7	0.00	17	0.00	18	0.00	1
276	Min.	0.00	1	0.00	1	-0.21	17	0.00	11	0.00	7	0.00	1
277	Max	0.00	1	0.00	1	-0.09	7	0.00	17	0.00	18	0.00	1
277	Min.	0.00	1	0.00	1	-0.21	17	0.00	11	0.00	7	0.00	1

278	Max	0.00	1	0.00	1	-0.14	7	0.00	17	0.00	17	0.00	1
278	Min.	0.00	1	0.00	1	-0.20	17	0.00	11	0.00	5	0.00	1
279	Max	0.00	1	0.00	1	-0.13	18	0.00	17	0.00	17	0.00	1
279	Min.	0.00	1	0.00	1	-0.17	1	0.00	11	0.00	5	0.00	1
280	Max	0.00	1	0.00	1	-0.10	18	0.00	17	0.00	17	0.00	1
280	Min.	0.00	1	0.00	1	-0.17	9	0.00	11	0.00	5	0.00	1
281	Max	0.00	1	0.00	1	-0.09	18	0.00	17	0.00	17	0.00	1
281	Min.	0.00	1	0.00	1	-0.17	9	0.00	11	0.00	5	0.00	1
282	Max	0.00	1	0.00	1	-0.08	18	0.00	17	0.00	17	0.00	1
282	Min.	0.00	1	0.00	1	-0.17	9	0.00	11	0.00	7	0.00	1
283	Max	0.00	1	0.00	1	-0.07	18	0.00	17	0.00	17	0.00	1
283	Min.	0.00	1	0.00	1	-0.17	11	0.00	9	0.00	7	0.00	1
284	Max	0.00	1	0.00	1	-0.08	18	0.00	17	0.00	17	0.00	1
284	Min.	0.00	1	0.00	1	-0.17	11	0.00	9	0.00	7	0.00	1
285	Max	0.00	1	0.00	1	-0.09	18	0.00	17	0.00	17	0.00	1
285	Min.	0.00	1	0.00	1	-0.17	5	0.00	9	0.00	7	0.00	1
286	Max	0.00	1	0.00	1	-0.11	18	0.00	17	0.00	17	0.00	1
286	Min.	0.00	1	0.00	1	-0.17	5	0.00	9	0.00	7	0.00	1
287	Max	0.00	1	0.00	1	-0.13	18	0.00	17	0.00	17	0.00	1
287	Min.	0.00	1	0.00	1	-0.17	17	0.00	11	0.00	7	0.00	1
288	Max	0.00	1	0.00	1	-0.14	1	0.00	17	0.00	17	0.00	1
288	Min.	0.00	1	0.00	1	-0.21	17	0.00	11	0.00	5	0.00	1
289	Max	0.00	1	0.00	1	-0.14	1	0.00	17	0.00	17	0.00	1
289	Min.	0.00	1	0.00	1	-0.25	17	0.00	11	0.00	5	0.00	1
290	Max	0.00	1	0.00	1	-0.14	9	0.00	17	0.00	17	0.00	1
290	Min.	0.00	1	0.00	1	-0.28	17	0.00	11	0.00	5	0.00	1
291	Max	0.00	1	0.00	1	-0.14	9	0.00	17	0.00	17	0.00	1
291	Min.	0.00	1	0.00	1	-0.31	17	0.00	11	0.00	5	0.00	1
292	Max	0.00	1	0.00	1	-0.14	9	0.00	17	0.00	17	0.00	1
292	Min.	0.00	1	0.00	1	-0.33	17	0.00	11	0.00	7	0.00	1
293	Max	0.00	1	0.00	1	-0.14	11	0.00	17	0.00	17	0.00	1
293	Min.	0.00	1	0.00	1	-0.33	17	0.00	9	0.00	7	0.00	1
294	Max	0.00	1	0.00	1	-0.14	11	0.00	17	0.00	17	0.00	1
294	Min.	0.00	1	0.00	1	-0.33	17	0.00	9	0.00	7	0.00	1
295	Max	0.00	1	0.00	1	-0.14	5	0.00	17	0.00	1	0.00	1
295	Min.	0.00	1	0.00	1	-0.31	17	0.00	9	0.00	7	0.00	1
296	Max	0.00	1	0.00	1	-0.14	5	0.00	17	0.00	18	0.00	1
296	Min.	0.00	1	0.00	1	-0.28	17	0.00	9	0.00	7	0.00	1
297	Max	0.00	1	0.00	1	-0.13	7	0.00	17	0.00	17	0.00	1
297	Min.	0.00	1	0.00	1	-0.19	17	0.00	11	0.00	5	0.00	1
298	Max	0.00	1	0.00	1	-0.11	18	0.00	17	0.00	17	0.00	1
298	Min.	0.00	1	0.00	1	-0.16	1	0.00	11	0.00	5	0.00	1
299	Max	0.00	1	0.00	1	-0.09	18	0.00	17	0.00	17	0.00	1
299	Min.	0.00	1	0.00	1	-0.16	9	0.00	11	0.00	5	0.00	1
300	Max	0.00	1	0.00	1	-0.06	18	0.00	17	0.00	17	0.00	1
300	Min.	0.00	1	0.00	1	-0.16	9	0.00	11	0.00	5	0.00	1
301	Max	0.00	1	0.00	1	-0.05	17	0.00	17	0.00	17	0.00	1
301	Min.	0.00	1	0.00	1	-0.16	11	0.00	11	0.00	7	0.00	1
302	Max	0.00	1	0.00	1	-0.04	17	0.00	17	0.00	17	0.00	1
302	Min.	0.00	1	0.00	1	-0.16	11	0.00	9	0.00	7	0.00	1
303	Max	0.00	1	0.00	1	-0.05	17	0.00	17	0.00	17	0.00	1
303	Min.	0.00	1	0.00	1	-0.16	11	0.00	9	0.00	7	0.00	1
304	Max	0.00	1	0.00	1	-0.07	18	0.00	17	0.00	17	0.00	1
304	Min.	0.00	1	0.00	1	-0.16	5	0.00	9	0.00	7	0.00	1
305	Max	0.00	1	0.00	1	-0.09	18	0.00	17	0.00	17	0.00	1
305	Min.	0.00	1	0.00	1	-0.16	5	0.00	9	0.00	7	0.00	1
306	Max	0.00	1	0.00	1	-0.12	18	0.00	17	0.00	17	0.00	1
306	Min.	0.00	1	0.00	1	-0.16	7	0.00	11	0.00	7	0.00	1
307	Max	0.00	1	0.00	1	-0.13	1	0.00	17	0.00	17	0.00	1
307	Min.	0.00	1	0.00	1	-0.20	17	0.00	11	0.00	5	0.00	1
308	Max	0.00	1	0.00	1	-0.13	1	0.00	17	0.00	17	0.00	1
308	Min.	0.00	1	0.00	1	-0.24	17	0.00	11	0.00	5	0.00	1
309	Max	0.00	1	0.00	1	-0.13	9	0.00	17	0.00	17	0.00	1
309	Min.	0.00	1	0.00	1	-0.28	17	0.00	11	0.00	5	0.00	1
310	Max	0.00	1	0.00	1	-0.13	9	0.00	17	0.00	17	0.00	1
310	Min.	0.00	1	0.00	1	-0.31	17	0.00	11	0.00	5	0.00	1
311	Max	0.00	1	0.00	1	-0.13	11	0.00	17	0.00	17	0.00	1
311	Min.	0.00	1	0.00	1	-0.33	17	0.00	11	0.00	7	0.00	1
312	Max	0.00	1	0.00	1	-0.13	11	0.00	17	0.00	17	0.00	1
312	Min.	0.00	1	0.00	1	-0.34	17	0.00	9	0.00	7	0.00	1
313	Max	0.00	1	0.00	1	-0.13	11	0.00	17	0.00	1	0.00	1
313	Min.	0.00	1	0.00	1	-0.33	17	0.00	9	0.00	7	0.00	1
314	Max	0.00	1	0.00	1	-0.13	5	0.00	17	0.00	1	0.00	1
314	Min.	0.00	1	0.00	1	-0.31	17	0.00	9	0.00	7	0.00	1
315	Max	0.00	1	0.00	1	-0.13	5	0.00	17	0.00	1	0.00	1
315	Min.	0.00	1	0.00	1	-0.27	17	0.00	9	0.00	7	0.00	1
316	Max	0.00	1	0.00	1	-0.12	7	0.00	17	0.00	17	0.00	1
316	Min.	0.00	1	0.00	1	-0.17	17	0.00	11	0.00	5	0.00	1
317	Max	0.00	1	0.00	1	-0.10	18	0.00	17	0.00	17	0.00	1

317	Min.	0.00	1	0.00	1	-0.15	1	0.00	11	0.00	5	0.00	1
318	Max	0.00	1	0.00	1	-0.07	18	0.00	17	0.00	17	0.00	1
318	Min.	0.00	1	0.00	1	-0.15	9	0.00	11	0.00	5	0.00	1
319	Max	0.00	1	0.00	1	-0.04	17	0.00	17	0.00	17	0.00	1
319	Min.	0.00	1	0.00	1	-0.15	9	0.00	11	0.00	5	0.00	1
320	Max	0.00	1	0.00	1	-0.02	17	0.00	17	0.00	17	0.00	1
320	Min.	0.00	1	0.00	1	-0.15	11	0.00	11	0.00	7	0.00	1
321	Max	0.00	1	0.00	1	-0.01	17	0.00	17	0.00	17	0.00	1
321	Min.	0.00	1	0.00	1	-0.15	11	0.00	9	0.00	7	0.00	1
322	Max	0.00	1	0.00	1	-0.02	17	0.00	17	0.00	17	0.00	1
322	Min.	0.00	1	0.00	1	-0.15	11	0.00	9	0.00	7	0.00	1
323	Max	0.00	1	0.00	1	-0.05	17	0.00	17	0.00	17	0.00	1
323	Min.	0.00	1	0.00	1	-0.15	5	0.00	9	0.00	7	0.00	1
324	Max	0.00	1	0.00	1	-0.07	18	0.00	17	0.00	17	0.00	1
324	Min.	0.00	1	0.00	1	-0.15	5	0.00	9	0.00	7	0.00	1
325	Max	0.00	1	0.00	1	-0.10	18	0.00	17	0.00	17	0.00	1
325	Min.	0.00	1	0.00	1	-0.15	7	0.00	11	0.00	7	0.00	1
326	Max	0.00	1	0.00	1	-0.12	1	0.00	17	0.00	17	0.00	1
326	Min.	0.00	1	0.00	1	-0.18	17	0.00	11	0.00	5	0.00	1
327	Max	0.00	1	0.00	1	-0.12	1	0.00	17	0.00	17	0.00	1
327	Min.	0.00	1	0.00	1	-0.23	17	0.00	11	0.00	5	0.00	1
328	Max	0.00	1	0.00	1	-0.12	9	0.00	17	0.00	17	0.00	1
328	Min.	0.00	1	0.00	1	-0.28	17	0.00	11	0.00	5	0.00	1
329	Max	0.00	1	0.00	1	-0.12	9	0.00	17	0.00	17	0.00	1
329	Min.	0.00	1	0.00	1	-0.31	17	0.00	11	0.00	5	0.00	1
330	Max	0.00	1	0.00	1	-0.12	11	0.00	17	0.00	17	0.00	1
330	Min.	0.00	1	0.00	1	-0.34	17	0.00	11	0.00	7	0.00	1
331	Max	0.00	1	0.00	1	-0.12	11	0.00	17	0.00	17	0.00	1
331	Min.	0.00	1	0.00	1	-0.34	17	0.00	9	0.00	7	0.00	1
332	Max	0.00	1	0.00	1	-0.12	11	0.00	17	0.00	1	0.00	1
332	Min.	0.00	1	0.00	1	-0.33	17	0.00	9	0.00	7	0.00	1
333	Max	0.00	1	0.00	1	-0.12	5	0.00	17	0.00	1	0.00	1
333	Min.	0.00	1	0.00	1	-0.31	17	0.00	9	0.00	7	0.00	1
334	Max	0.00	1	0.00	1	-0.12	5	0.00	17	0.00	1	0.00	1
334	Min.	0.00	1	0.00	1	-0.27	17	0.00	9	0.00	7	0.00	1
335	Max	0.00	1	0.00	1	-0.10	7	0.00	17	0.00	17	0.00	1
335	Min.	0.00	1	0.00	1	-0.15	17	0.00	11	0.00	5	0.00	1
336	Max	0.00	1	0.00	1	-0.08	18	0.00	17	0.00	17	0.00	1
336	Min.	0.00	1	0.00	1	-0.14	1	0.00	11	0.00	5	0.00	1
337	Max	0.00	1	0.00	1	-0.05	18	0.00	17	0.00	17	0.00	1
337	Min.	0.00	1	0.00	1	-0.14	9	0.00	11	0.00	5	0.00	1
338	Max	0.00	1	0.00	1	-0.01	17	0.00	17	0.00	17	0.00	1
338	Min.	0.00	1	0.00	1	-0.14	9	0.00	11	0.00	5	0.00	1
339	Max	0.00	1	0.00	1	0.02	17	0.00	17	0.00	17	0.00	1
339	Min.	0.00	1	0.00	1	-0.14	11	0.00	11	0.00	7	0.00	1
340	Max	0.00	1	0.00	1	0.02	17	0.00	17	0.00	17	0.00	1
340	Min.	0.00	1	0.00	1	-0.14	11	0.00	9	0.00	7	0.00	1
341	Max	0.00	1	0.00	1	0.01	17	0.00	17	0.00	17	0.00	1
341	Min.	0.00	1	0.00	1	-0.14	11	0.00	9	0.00	7	0.00	1
342	Max	0.00	1	0.00	1	-0.02	17	0.00	17	0.00	17	0.00	1
342	Min.	0.00	1	0.00	1	-0.14	5	0.00	9	0.00	7	0.00	1
343	Max	0.00	1	0.00	1	-0.05	18	0.00	17	0.00	17	0.00	1
343	Min.	0.00	1	0.00	1	-0.14	5	0.00	9	0.00	7	0.00	1
344	Max	0.00	1	0.00	1	-0.09	18	0.00	17	0.00	17	0.00	1
344	Min.	0.00	1	0.00	1	-0.14	7	0.00	11	0.00	7	0.00	1
345	Max	0.00	1	0.00	1	-0.10	1	0.00	17	0.00	17	0.00	1
345	Min.	0.00	1	0.00	1	-0.16	17	0.00	11	0.00	5	0.00	1
346	Max	0.00	1	0.00	1	-0.11	1	0.00	17	0.00	17	0.00	1
346	Min.	0.00	1	0.00	1	-0.23	17	0.00	11	0.00	5	0.00	1
347	Max	0.00	1	0.00	1	-0.10	9	0.00	17	0.00	17	0.00	1
347	Min.	0.00	1	0.00	1	-0.27	17	0.00	11	0.00	5	0.00	1
348	Max	0.00	1	0.00	1	-0.10	9	0.00	17	0.00	17	0.00	1
348	Min.	0.00	1	0.00	1	-0.32	17	0.00	11	0.00	5	0.00	1
349	Max	0.00	1	0.00	1	-0.10	11	0.00	17	0.00	17	0.00	1
349	Min.	0.00	1	0.00	1	-0.33	17	0.00	11	0.00	7	0.00	1
350	Max	0.00	1	0.00	1	-0.10	11	0.00	17	0.00	17	0.00	1
350	Min.	0.00	1	0.00	1	-0.35	17	0.00	9	0.00	7	0.00	1
351	Max	0.00	1	0.00	1	-0.10	11	0.00	17	0.00	1	0.00	1
351	Min.	0.00	1	0.00	1	-0.33	17	0.00	9	0.00	7	0.00	1
352	Max	0.00	1	0.00	1	-0.11	5	0.00	17	0.00	1	0.00	1
352	Min.	0.00	1	0.00	1	-0.31	17	0.00	9	0.00	7	0.00	1
353	Max	0.00	1	0.00	1	-0.10	5	0.00	17	0.00	1	0.00	1
353	Min.	0.00	1	0.00	1	-0.26	17	0.00	9	0.00	7	0.00	1
354	Max	0.00	1	0.00	1	-0.09	7	0.00	17	0.00	17	0.00	1
354	Min.	0.00	1	0.00	1	-0.14	17	0.00	11	0.00	5	0.00	1
355	Max	0.00	1	0.00	1	-0.07	18	0.00	17	0.00	17	0.00	1
355	Min.	0.00	1	0.00	1	-0.13	1	0.00	11	0.00	5	0.00	1
356	Max	0.00	1	0.00	1	-0.02	17	0.00	17	0.00	17	0.00	1
356	Min.	0.00	1	0.00	1	-0.13	9	0.00	11	0.00	5	0.00	1

357	Max	0.00	1	0.00	1	0.02	17	0.00	17	0.00	17	0.00	1
357	Min.	0.00	1	0.00	1	-0.14	9	0.00	11	0.00	5	0.00	1
358	Max	0.00	1	0.00	1	0.05	17	0.00	17	0.00	17	0.00	1
358	Min.	0.00	1	0.00	1	-0.13	11	0.00	11	0.00	7	0.00	1
359	Max	0.00	1	0.00	1	0.06	17	0.00	17	0.00	17	0.00	1
359	Min.	0.00	1	0.00	1	-0.14	11	0.00	9	0.00	7	0.00	1
360	Max	0.00	1	0.00	1	0.04	17	0.00	17	0.00	17	0.00	1
360	Min.	0.00	1	0.00	1	-0.13	11	0.00	9	0.00	7	0.00	1
361	Max	0.00	1	0.00	1	0.01	17	0.00	17	0.00	17	0.00	1
361	Min.	0.00	1	0.00	1	-0.13	5	0.00	9	0.00	7	0.00	1
362	Max	0.00	1	0.00	1	-0.03	17	0.00	17	0.00	17	0.00	1
362	Min.	0.00	1	0.00	1	-0.14	5	0.00	9	0.00	7	0.00	1
363	Max	0.00	1	0.00	1	-0.08	18	0.00	17	0.00	17	0.00	1
363	Min.	0.00	1	0.00	1	-0.14	7	0.00	11	0.00	7	0.00	1
364	Max	0.00	1	0.00	1	-0.09	1	0.00	17	0.00	17	0.00	1
364	Min.	0.00	1	0.00	1	-0.15	17	0.00	11	0.00	5	0.00	1
365	Max	0.00	1	0.00	1	-0.09	1	0.00	17	0.00	17	0.00	1
365	Min.	0.00	1	0.00	1	-0.22	17	0.00	11	0.00	5	0.00	1
366	Max	0.00	1	0.00	1	-0.09	9	0.00	17	0.00	17	0.00	1
366	Min.	0.00	1	0.00	1	-0.27	17	0.00	11	0.00	5	0.00	1
367	Max	0.00	1	0.00	1	-0.09	9	0.00	17	0.00	17	0.00	1
367	Min.	0.00	1	0.00	1	-0.32	17	0.00	11	0.00	5	0.00	1
368	Max	0.00	1	0.00	1	-0.09	11	0.00	17	0.00	17	0.00	1
368	Min.	0.00	1	0.00	1	-0.34	17	0.00	11	0.00	7	0.00	1
369	Max	0.00	1	0.00	1	-0.09	11	0.00	17	0.00	17	0.00	1
369	Min.	0.00	1	0.00	1	-0.35	17	0.00	9	0.00	7	0.00	1
370	Max	0.00	1	0.00	1	-0.09	11	0.00	17	0.00	1	0.00	1
370	Min.	0.00	1	0.00	1	-0.34	17	0.00	9	0.00	7	0.00	1
371	Max	0.00	1	0.00	1	-0.09	5	0.00	17	0.00	1	0.00	1
371	Min.	0.00	1	0.00	1	-0.31	17	0.00	9	0.00	7	0.00	1
372	Max	0.00	1	0.00	1	-0.09	5	0.00	17	0.00	1	0.00	1
372	Min.	0.00	1	0.00	1	-0.26	17	0.00	9	0.00	7	0.00	1

Min = -554.10
Max = 180.78

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
-55	Max	273270.00	17	448721.00	17	0.00	18	0.00	17	0.00	17	34104.80	9
-55	Min.	-33749.50	11	-26398.80	9	0.00	7	0.00	1	0.00	7	-520574.00	17
-54	Max	368913.00	17	199934.00	17	0.00	5	0.00	3	0.00	17	32194.70	9
-54	Min.	-37414.00	9	-16068.10	1	0.00	18	0.00	17	0.00	5	-386852.00	17
-53	Max	298416.00	17	37411.40	7	0.00	17	0.00	17	0.00	5	32196.60	1
-53	Min.	-37622.40	9	-55767.80	17	0.00	5	0.00	9	0.00	17	-215482.00	17
-52	Max	90073.50	17	33739.30	5	0.00	15	0.00	17	0.00	17	34104.90	1
-52	Min.	-37733.90	1	-218992.00	17	0.00	17	0.00	9	0.00	1	-34130.00	7
-51	Max	32429.10	5	31980.90	9	0.00	9	0.00	17	0.00	7	171069.00	17
-51	Min.	-174698.00	17	-226171.00	17	0.00	17	0.00	11	0.00	18	-32700.40	5
-50	Max	37750.20	5	33749.50	1	0.00	5	0.00	9	0.00	17	348410.00	17
-50	Min.	-392643.00	17	-73976.10	17	0.00	17	0.00	17	0.00	1	-34129.90	5
-49	Max	37634.40	11	179372.00	17	0.00	17	0.00	17	0.00	5	491429.00	17
-49	Min.	-478314.00	17	-7773.37	5	0.00	18	0.00	11	0.00	17	-32219.70	5
-48	Max	37411.40	11	436331.00	17	0.00	9	0.00	3	0.00	17	586124.00	17
-48	Min.	-396922.00	17	-16096.80	5	0.00	17	0.00	17	0.00	5	-32221.70	11
-47	Max	33739.30	9	597385.00	17	0.00	3	0.00	9	0.00	7	623229.00	17
-47	Min.	-177831.00	17	-26430.40	11	0.00	17	0.00	17	0.00	18	-34130.00	11
-46	Max	96492.50	17	599180.00	17	0.00	18	0.00	13	0.00	3	599111.00	17
-46	Min.	4675.44	5	-32429.10	9	0.00	17	0.00	17	0.00	17	-32700.40	9
-45	Max	321859.00	17	438908.00	17	0.00	18	0.00	17	0.00	1	516128.00	17
-45	Min.	1104.82	11	-37750.20	9	0.00	17	0.00	11	0.00	17	-34129.90	9
-44	Max	412091.00	17	175587.00	17	0.00	17	0.00	11	0.00	17	382407.00	17
-44	Min.	-7773.37	9	-37634.40	1	0.00	5	0.00	17	0.00	7	-32219.70	9
-43	Max	331957.00	17	7741.22	7	0.00	17	0.00	17	0.00	5	211036.00	17
-43	Min.	-16096.80	9	-92266.00	17	0.00	11	0.00	5	0.00	17	-32221.70	1
-42	Max	110695.00	17	-1130.53	5	0.00	17	0.00	11	0.00	1	34104.90	7
-42	Min.	-26430.40	1	-264069.00	17	0.00	3	0.00	17	0.00	17	-34130.00	1
-41	Max	32404.00	5	-4675.45	9	0.00	5	0.00	18	0.00	1	32675.30	5
-41	Min.	-169015.00	17	-275414.00	17	0.00	18	0.00	11	0.00	17	-175515.00	17

-40	Max	26398.80	5	-1104.85	1	0.00	17	0.00	17	0.00	5	34104.80	5
-40	Min.	-402455.00	17	-122565.00	17	0.00	18	0.00	11	0.00	17	-352856.00	17
-39	Max	16068.10	11	136194.00	17	0.00	18	0.00	17	0.00	17	32194.70	5
-39	Min.	-502661.00	17	-37414.00	5	0.00	3	0.00	11	0.00	5	-495874.00	17
-38	Max	7741.22	11	402790.00	17	0.00	18	0.00	17	0.00	17	32196.70	11
-38	Min.	-433420.00	17	-37622.40	5	0.00	17	0.00	9	0.00	11	-590570.00	17
-37	Max	-1130.51	9	576764.00	17	0.00	18	0.00	17	0.00	15	34104.90	11
-37	Min.	-222907.00	17	-37733.90	11	0.00	17	0.00	13	0.00	17	-627675.00	17
-1	Max	47249.50	17	593497.00	17	0.00	17	0.00	17	0.00	17	32675.30	9
-1	Min.	-31980.90	5	-32404.00	9	0.00	3	0.00	5	0.00	5	-603556.00	17
1	Max	0.00	1	0.00	1	0.00	13	0.00	13	0.00	17	0.00	1
1	Min.	0.00	1	0.00	1	0.00	17	0.00	18	0.00	5	0.00	1
2	Max	0.00	1	0.00	1	0.00	17	0.00	7	0.00	17	0.00	1
2	Min.	0.00	1	0.00	1	0.00	1	0.00	17	0.00	5	0.00	1
111	Max	966699.00	17	178862.00	11	0.00	3	0.00	17	0.00	1	-252.64	1
111	Min.	-178861.00	7	-3297830.00	17	0.00	17	0.00	13	0.00	17	-53091.70	17
249	Max	0.00	1	0.00	1	0.00	18	0.00	13	0.00	17	0.00	1
249	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	15	0.00	1
250	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	1	0.00	1
250	Min.	0.00	1	0.00	1	0.00	18	0.00	11	0.00	17	0.00	1
251	Max	0.00	1	0.00	1	0.00	17	0.00	13	0.00	17	0.00	1
251	Min.	0.00	1	0.00	1	0.00	13	0.00	17	0.00	18	0.00	1
252	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	7	0.00	1
252	Min.	0.00	1	0.00	1	0.00	18	0.00	9	0.00	17	0.00	1
253	Max	0.00	1	0.00	1	0.00	17	0.00	11	0.00	5	0.00	1
253	Min.	0.00	1	0.00	1	0.00	18	0.00	17	0.00	18	0.00	1
254	Max	0.00	1	0.00	1	0.00	11	0.00	17	0.00	1	0.00	1
254	Min.	0.00	1	0.00	1	0.00	17	0.00	15	0.00	17	0.00	1
255	Max	0.00	1	0.00	1	0.00	13	0.00	5	0.00	17	0.00	1
255	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	1	0.00	1
256	Max	0.00	1	0.00	1	0.00	18	0.00	9	0.00	17	0.00	1
256	Min.	0.00	1	0.00	1	0.00	1	0.00	17	0.00	11	0.00	1
257	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
257	Min.	0.00	1	0.00	1	0.00	18	0.00	9	0.00	5	0.00	1
258	Max	0.00	1	0.00	1	0.00	5	0.00	17	0.00	17	0.00	1
258	Min.	0.00	1	0.00	1	0.00	17	0.00	13	0.00	3	0.00	1
259	Max	0.00	1	0.00	1	0.00	17	0.00	18	0.00	5	0.00	1
259	Min.	0.00	1	0.00	1	0.00	3	0.00	5	0.00	17	0.00	1
260	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	7	0.00	1
260	Min.	0.00	1	0.00	1	0.00	11	0.00	13	0.00	17	0.00	1
261	Max	0.00	1	0.00	1	0.00	13	0.00	11	0.00	5	0.00	1
261	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
262	Max	0.00	1	0.00	1	0.00	13	0.00	15	0.00	11	0.00	1
262	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	18	0.00	1
263	Max	0.00	1	0.00	1	0.00	13	0.00	11	0.00	7	0.00	1
263	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
264	Max	0.00	1	0.00	1	0.00	5	0.00	17	0.00	18	0.00	1
264	Min.	0.00	1	0.00	1	0.00	17	0.00	9	0.00	1	0.00	1
265	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
265	Min.	0.00	1	0.00	1	0.00	13	0.00	7	0.00	18	0.00	1
266	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
266	Min.	0.00	1	0.00	1	0.00	13	0.00	18	0.00	5	0.00	1
267	Max	0.00	1	0.00	1	0.00	7	0.00	17	0.00	1	0.00	1
267	Min.	0.00	1	0.00	1	0.00	17	0.00	13	0.00	18	0.00	1
273	Max	0.00	1	0.00	1	0.00	17	0.00	13	0.00	5	0.00	1
273	Min.	0.00	1	0.00	1	0.00	9	0.00	17	0.00	18	0.00	1
274	Max	0.00	1	0.00	1	0.00	13	0.00	17	0.00	17	0.00	1
274	Min.	0.00	1	0.00	1	0.00	17	0.00	18	0.00	5	0.00	1
275	Max	0.00	1	0.00	1	0.00	3	0.00	9	0.00	17	0.00	1
275	Min.	0.00	1	0.00	1	0.00	18	0.00	17	0.00	7	0.00	1
276	Max	0.00	1	0.00	1	0.00	5	0.00	11	0.00	5	0.00	1
276	Min.	0.00	1	0.00	1	0.00	17	0.00	13	0.00	3	0.00	1
277	Max	0.00	1	0.00	1	0.00	5	0.00	17	0.00	5	0.00	1
277	Min.	0.00	1	0.00	1	0.00	17	0.00	11	0.00	18	0.00	1
278	Max	0.00	1	0.00	1	0.00	7	0.00	9	0.00	3	0.00	1
278	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
279	Max	0.00	1	0.00	1	0.00	7	0.00	5	0.00	3	0.00	1
279	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
280	Max	0.00	1	0.00	1	0.00	17	0.00	5	0.00	17	0.00	1
280	Min.	0.00	1	0.00	1	0.00	3	0.00	17	0.00	3	0.00	1
281	Max	0.00	1	0.00	1	0.00	17	0.00	13	0.00	17	0.00	1
281	Min.	0.00	1	0.00	1	0.00	9	0.00	17	0.00	7	0.00	1
282	Max	0.00	1	0.00	1	0.00	9	0.00	17	0.00	5	0.00	1
282	Min.	0.00	1	0.00	1	0.00	17	0.00	9	0.00	17	0.00	1
283	Max	0.00	1	0.00	1	0.00	13	0.00	11	0.00	1	0.00	1
283	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
284	Max	0.00	1	0.00	1	0.00	9	0.00	3	0.00	5	0.00	1
284	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
285	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1

285	Min.	0.00	1	0.00	1	0.00	1	0.00	9	0.00	5	0.00	1
286	Max	0.00	1	0.00	1	0.00	7	0.00	13	0.00	7	0.00	1
286	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
287	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	18	0.00	1
287	Min.	0.00	1	0.00	1	0.00	7	0.00	5	0.00	7	0.00	1
288	Max	0.00	1	0.00	1	0.00	17	0.00	1	0.00	17	0.00	1
288	Min.	0.00	1	0.00	1	0.00	18	0.00	17	0.00	15	0.00	1
289	Max	0.00	1	0.00	1	0.00	17	0.00	18	0.00	7	0.00	1
289	Min.	0.00	1	0.00	1	0.00	18	0.00	15	0.00	17	0.00	1
290	Max	0.00	1	0.00	1	0.00	3	0.00	18	0.00	17	0.00	1
290	Min.	0.00	1	0.00	1	0.00	17	0.00	7	0.00	7	0.00	1
291	Max	0.00	1	0.00	1	0.00	11	0.00	17	0.00	7	0.00	1
291	Min.	0.00	1	0.00	1	0.00	17	0.00	11	0.00	1	0.00	1
292	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	5	0.00	1
292	Min.	0.00	1	0.00	1	0.00	11	0.00	9	0.00	18	0.00	1
293	Max	0.00	1	0.00	1	0.00	18	0.00	17	0.00	17	0.00	1
293	Min.	0.00	1	0.00	1	0.00	9	0.00	1	0.00	7	0.00	1
294	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
294	Min.	0.00	1	0.00	1	0.00	18	0.00	15	0.00	15	0.00	1
295	Max	0.00	1	0.00	1	0.00	15	0.00	17	0.00	18	0.00	1
295	Min.	0.00	1	0.00	1	0.00	17	0.00	3	0.00	5	0.00	1
296	Max	0.00	1	0.00	1	0.00	18	0.00	17	0.00	17	0.00	1
296	Min.	0.00	1	0.00	1	0.00	3	0.00	11	0.00	3	0.00	1
297	Max	0.00	1	0.00	1	0.00	1	0.00	7	0.00	17	0.00	1
297	Min.	0.00	1	0.00	1	0.00	18	0.00	18	0.00	11	0.00	1
298	Max	0.00	1	0.00	1	0.00	3	0.00	11	0.00	7	0.00	1
298	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	18	0.00	1
299	Max	0.00	1	0.00	1	0.00	9	0.00	7	0.00	13	0.00	1
299	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	18	0.00	1
300	Max	0.00	1	0.00	1	0.00	15	0.00	17	0.00	17	0.00	1
300	Min.	0.00	1	0.00	1	0.00	17	0.00	11	0.00	5	0.00	1
301	Max	0.00	1	0.00	1	0.00	11	0.00	15	0.00	3	0.00	1
301	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
302	Max	0.00	1	0.00	1	0.00	5	0.00	17	0.00	1	0.00	1
302	Min.	0.00	1	0.00	1	0.00	17	0.00	18	0.00	17	0.00	1
303	Max	0.00	1	0.00	1	0.00	17	0.00	1	0.00	17	0.00	1
303	Min.	0.00	1	0.00	1	0.00	5	0.00	17	0.00	9	0.00	1
304	Max	0.00	1	0.00	1	0.00	9	0.00	17	0.00	7	0.00	1
304	Min.	0.00	1	0.00	1	0.00	17	0.00	9	0.00	17	0.00	1
305	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	1	0.00	1
305	Min.	0.00	1	0.00	1	0.00	18	0.00	9	0.00	17	0.00	1
306	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
306	Min.	0.00	1	0.00	1	0.00	3	0.00	5	0.00	18	0.00	1
307	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	5	0.00	1
307	Min.	0.00	1	0.00	1	0.00	18	0.00	9	0.00	17	0.00	1
308	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	7	0.00	1
308	Min.	0.00	1	0.00	1	0.00	13	0.00	9	0.00	17	0.00	1
309	Max	0.00	1	0.00	1	0.00	17	0.00	18	0.00	18	0.00	1
309	Min.	0.00	1	0.00	1	0.00	1	0.00	13	0.00	15	0.00	1
310	Max	0.00	1	0.00	1	0.00	9	0.00	17	0.00	17	0.00	1
310	Min.	0.00	1	0.00	1	0.00	17	0.00	1	0.00	18	0.00	1
311	Max	0.00	1	0.00	1	0.00	18	0.00	18	0.00	17	0.00	1
311	Min.	0.00	1	0.00	1	0.00	17	0.00	13	0.00	3	0.00	1
312	Max	0.00	1	0.00	1	0.00	17	0.00	13	0.00	15	0.00	1
312	Min.	0.00	1	0.00	1	0.00	9	0.00	18	0.00	17	0.00	1
313	Max	0.00	1	0.00	1	0.00	18	0.00	17	0.00	3	0.00	1
313	Min.	0.00	1	0.00	1	0.00	15	0.00	9	0.00	17	0.00	1
314	Max	0.00	1	0.00	1	0.00	11	0.00	18	0.00	17	0.00	1
314	Min.	0.00	1	0.00	1	0.00	17	0.00	5	0.00	1	0.00	1
315	Max	0.00	1	0.00	1	0.00	13	0.00	9	0.00	17	0.00	1
315	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	5	0.00	1
316	Max	0.00	1	0.00	1	0.00	11	0.00	1	0.00	5	0.00	1
316	Min.	0.00	1	0.00	1	0.00	18	0.00	17	0.00	3	0.00	1
317	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	9	0.00	1
317	Min.	0.00	1	0.00	1	0.00	18	0.00	15	0.00	17	0.00	1
318	Max	0.00	1	0.00	1	0.00	1	0.00	1	0.00	1	0.00	1
318	Min.	0.00	1	0.00	1	0.00	18	0.00	17	0.00	17	0.00	1
319	Max	0.00	1	0.00	1	0.00	18	0.00	15	0.00	17	0.00	1
319	Min.	0.00	1	0.00	1	0.00	3	0.00	17	0.00	1	0.00	1
320	Max	0.00	1	0.00	1	0.00	17	0.00	18	0.00	17	0.00	1
320	Min.	0.00	1	0.00	1	0.00	11	0.00	13	0.00	18	0.00	1
321	Max	0.00	1	0.00	1	0.00	7	0.00	15	0.00	17	0.00	1
321	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	1	0.00	1
322	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	3	0.00	1
322	Min.	0.00	1	0.00	1	0.00	3	0.00	11	0.00	18	0.00	1
323	Max	0.00	1	0.00	1	0.00	13	0.00	17	0.00	17	0.00	1
323	Min.	0.00	1	0.00	1	0.00	18	0.00	3	0.00	11	0.00	1
324	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
324	Min.	0.00	1	0.00	1	0.00	18	0.00	13	0.00	3	0.00	1

325	Max	0.00	1	0.00	1	0.00	18	0.00	11	0.00	7	0.00	1
325	Min.	0.00	1	0.00	1	0.00	7	0.00	17	0.00	17	0.00	1
326	Max	0.00	1	0.00	1	0.00	15	0.00	17	0.00	11	0.00	1
326	Min.	0.00	1	0.00	1	0.00	17	0.00	3	0.00	17	0.00	1
327	Max	0.00	1	0.00	1	0.00	13	0.00	9	0.00	1	0.00	1
327	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
328	Max	0.00	1	0.00	1	0.00	17	0.00	9	0.00	17	0.00	1
328	Min.	0.00	1	0.00	1	0.00	9	0.00	17	0.00	1	0.00	1
329	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	1	0.00	1
329	Min.	0.00	1	0.00	1	0.00	13	0.00	1	0.00	18	0.00	1
330	Max	0.00	1	0.00	1	0.00	17	0.00	15	0.00	5	0.00	1
330	Min.	0.00	1	0.00	1	0.00	15	0.00	17	0.00	17	0.00	1
331	Max	0.00	1	0.00	1	0.00	17	0.00	11	0.00	1	0.00	1
331	Min.	0.00	1	0.00	1	0.00	5	0.00	17	0.00	17	0.00	1
332	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	3	0.00	1
332	Min.	0.00	1	0.00	1	0.00	18	0.00	13	0.00	5	0.00	1
333	Max	0.00	1	0.00	1	0.00	5	0.00	5	0.00	7	0.00	1
333	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
334	Max	0.00	1	0.00	1	0.00	17	0.00	1	0.00	5	0.00	1
334	Min.	0.00	1	0.00	1	0.00	1	0.00	17	0.00	18	0.00	1
335	Max	0.00	1	0.00	1	414667.00	17	-1097.68	11	8112.45	5	0.00	1
335	Min.	0.00	1	0.00	1	303355.00	7	-26041.20	17	2627.48	17	0.00	1
336	Max	0.00	1	0.00	1	0.00	15	0.00	9	0.00	15	0.00	1
336	Min.	0.00	1	0.00	1	0.00	17	0.00	18	0.00	17	0.00	1
337	Max	0.00	1	0.00	1	355638.00	9	-5121.00	11	5627.01	5	0.00	1
337	Min.	0.00	1	0.00	1	128197.00	18	-26883.30	17	-3817.67	17	0.00	1
338	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	18	0.00	1
338	Min.	0.00	1	0.00	1	0.00	5	0.00	9	0.00	3	0.00	1
339	Max	0.00	1	0.00	1	356016.00	11	-6789.77	11	1252.88	7	0.00	1
339	Min.	0.00	1	0.00	1	-42046.60	17	-24836.60	17	-6610.20	17	0.00	1
340	Max	0.00	1	0.00	1	0.00	13	0.00	18	0.00	3	0.00	1
340	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
341	Max	0.00	1	0.00	1	355636.00	11	-5121.25	9	-3302.50	7	0.00	1
341	Min.	0.00	1	0.00	1	-31459.30	17	-24641.10	17	-7773.65	17	0.00	1
342	Max	0.00	1	0.00	1	0.00	18	0.00	11	0.00	17	0.00	1
342	Min.	0.00	1	0.00	1	0.00	11	0.00	17	0.00	1	0.00	1
343	Max	0.00	1	0.00	1	357143.00	5	-1097.85	9	-6335.92	7	0.00	1
343	Min.	0.00	1	0.00	1	146676.00	18	-24655.50	17	-11582.90	17	0.00	1
344	Max	0.00	1	0.00	1	0.00	1	0.00	13	0.00	17	0.00	1
344	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	7	0.00	1
345	Max	0.00	1	0.00	1	448930.00	17	3596.97	11	-6336.14	5	0.00	1
345	Min.	0.00	1	0.00	1	303355.00	1	-19855.80	17	-16409.50	17	0.00	1
346	Max	0.00	1	0.00	1	0.00	17	0.00	3	0.00	17	0.00	1
346	Min.	0.00	1	0.00	1	0.00	5	0.00	17	0.00	13	0.00	1
347	Max	0.00	1	0.00	1	735238.00	17	7169.74	11	-3302.73	5	0.00	1
347	Min.	0.00	1	0.00	1	304858.00	9	-10689.50	17	-15583.30	17	0.00	1
348	Max	0.00	1	0.00	1	0.00	17	0.00	9	0.00	7	0.00	1
348	Min.	0.00	1	0.00	1	0.00	9	0.00	17	0.00	17	0.00	1
349	Max	0.00	1	0.00	1	905643.00	17	8402.41	11	1252.87	7	0.00	1
349	Min.	0.00	1	0.00	1	304481.00	11	-4819.89	17	-6610.33	17	0.00	1
350	Max	0.00	1	0.00	1	0.00	7	0.00	18	0.00	9	0.00	1
350	Min.	0.00	1	0.00	1	0.00	18	0.00	17	0.00	17	0.00	1
351	Max	0.00	1	0.00	1	895055.00	17	7169.50	9	5627.23	7	0.00	1
351	Min.	0.00	1	0.00	1	304860.00	11	-8447.11	17	3211.88	18	0.00	1
352	Max	0.00	1	0.00	1	0.00	3	0.00	11	0.00	17	0.00	1
352	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	3	0.00	1
353	Max	0.00	1	0.00	1	707520.00	17	3596.82	9	8112.67	7	0.00	1
353	Min.	0.00	1	0.00	1	303355.00	5	-18469.80	17	5860.38	18	0.00	1
354	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	1	0.00	1
354	Min.	0.00	1	0.00	1	0.00	13	0.00	1	0.00	17	0.00	1
355	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	3	0.00	1
355	Min.	0.00	1	0.00	1	0.00	15	0.00	9	0.00	17	0.00	1
356	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
356	Min.	0.00	1	0.00	1	0.00	11	0.00	1	0.00	13	0.00	1
357	Max	0.00	1	0.00	1	0.00	11	0.00	17	0.00	11	0.00	1
357	Min.	0.00	1	0.00	1	0.00	17	0.00	11	0.00	17	0.00	1
358	Max	0.00	1	0.00	1	0.00	11	0.00	17	0.00	11	0.00	1
358	Min.	0.00	1	0.00	1	0.00	18	0.00	15	0.00	17	0.00	1
359	Max	0.00	1	0.00	1	0.00	17	0.00	15	0.00	17	0.00	1
359	Min.	0.00	1	0.00	1	0.00	13	0.00	17	0.00	3	0.00	1
360	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
360	Min.	0.00	1	0.00	1	0.00	1	0.00	3	0.00	1	0.00	1
361	Max	0.00	1	0.00	1	0.00	17	0.00	5	0.00	18	0.00	1
361	Min.	0.00	1	0.00	1	0.00	7	0.00	17	0.00	11	0.00	1
362	Max	0.00	1	0.00	1	0.00	3	0.00	17	0.00	17	0.00	1
362	Min.	0.00	1	0.00	1	0.00	17	0.00	5	0.00	15	0.00	1
363	Max	0.00	1	0.00	1	0.00	1	0.00	17	0.00	17	0.00	1
363	Min.	0.00	1	0.00	1	0.00	17	0.00	1	0.00	3	0.00	1
364	Max	0.00	1	0.00	1	0.00	5	0.00	17	0.00	7	0.00	1

364	Min.	0.00	1	0.00	1	0.00	17	0.00	1	0.00	17	0.00	1
365	Max	0.00	1	0.00	1	0.00	18	0.00	9	0.00	17	0.00	1
365	Min.	0.00	1	0.00	1	0.00	11	0.00	17	0.00	15	0.00	1
366	Max	0.00	1	0.00	1	0.00	9	0.00	17	0.00	17	0.00	1
366	Min.	0.00	1	0.00	1	0.00	17	0.00	15	0.00	9	0.00	1
367	Max	0.00	1	0.00	1	0.00	11	0.00	17	0.00	5	0.00	1
367	Min.	0.00	1	0.00	1	0.00	18	0.00	13	0.00	17	0.00	1
368	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	15	0.00	1
368	Min.	0.00	1	0.00	1	0.00	15	0.00	15	0.00	17	0.00	1
369	Max	0.00	1	0.00	1	0.00	17	0.00	9	0.00	17	0.00	1
369	Min.	0.00	1	0.00	1	0.00	9	0.00	17	0.00	9	0.00	1
370	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
370	Min.	0.00	1	0.00	1	0.00	13	0.00	9	0.00	13	0.00	1
371	Max	0.00	1	0.00	1	0.00	5	0.00	5	0.00	9	0.00	1
371	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
372	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
372	Min.	0.00	1	0.00	1	0.00	5	0.00	5	0.00	5	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	Nodo		σ_t <daN/cmq>	CC	Nodo		σ_t <daN/cmq>	CC	Nodo		σ_t <daN/cmq>	CC
-55	Max	0.14	17	-55	Min.	0.08	5	-54	Max	0.15	17	-54	Min.	0.08	5
-53	Max	0.15	17	-53	Min.	0.08	11	-52	Max	0.16	17	-52	Min.	0.08	11
-51	Max	0.15	17	-51	Min.	0.08	9	-50	Max	0.15	17	-50	Min.	0.08	9
-49	Max	0.14	17	-49	Min.	0.08	9	-48	Max	0.13	17	-48	Min.	0.08	1
-47	Max	0.11	17	-47	Min.	0.08	1	-46	Max	0.10	17	-46	Min.	0.08	18
-45	Max	0.09	17	-45	Min.	0.07	18	-44	Max	0.09	5	-44	Min.	0.06	18
-43	Max	0.09	11	-43	Min.	0.06	18	-42	Max	0.09	11	-42	Min.	0.06	18
-41	Max	0.09	9	-41	Min.	0.06	18	-40	Max	0.09	9	-40	Min.	0.06	18
-39	Max	0.09	9	-39	Min.	0.07	18	-38	Max	0.10	17	-38	Min.	0.08	18
-37	Max	0.11	17	-37	Min.	0.08	7	-1	Max	0.12	17	-1	Min.	0.08	5
1	Max	0.11	17	1	Min.	0.09	1	2	Max	0.12	17	2	Min.	0.08	5
249	Max	0.11	17	249	Min.	0.08	7	250	Max	0.09	17	250	Min.	0.07	18
251	Max	0.09	9	251	Min.	0.06	18	252	Max	0.09	9	252	Min.	0.06	18
253	Max	0.09	9	253	Min.	0.05	18	254	Max	0.09	11	254	Min.	0.05	18
255	Max	0.09	11	255	Min.	0.05	18	256	Max	0.09	5	256	Min.	0.06	18
257	Max	0.09	5	257	Min.	0.07	18	258	Max	0.10	17	258	Min.	0.07	18
259	Max	0.11	17	259	Min.	0.08	1	260	Max	0.13	17	260	Min.	0.08	1
261	Max	0.14	17	261	Min.	0.08	9	262	Max	0.15	17	262	Min.	0.08	9
263	Max	0.16	17	263	Min.	0.08	9	264	Max	0.16	17	264	Min.	0.08	11
265	Max	0.16	17	265	Min.	0.08	11	266	Max	0.15	17	266	Min.	0.08	5
267	Max	0.14	17	267	Min.	0.08	5	273	Max	0.12	17	273	Min.	0.08	5
274	Max	0.12	17	274	Min.	0.07	7	275	Max	0.11	17	275	Min.	0.06	7
276	Max	0.11	17	276	Min.	0.06	7	277	Max	0.10	17	277	Min.	0.05	7
278	Max	0.10	17	278	Min.	0.08	7	279	Max	0.08	1	279	Min.	0.06	18
280	Max	0.08	9	280	Min.	0.05	18	281	Max	0.08	9	281	Min.	0.04	18
282	Max	0.08	9	282	Min.	0.04	18	283	Max	0.08	11	283	Min.	0.04	18
284	Max	0.08	11	284	Min.	0.04	18	285	Max	0.08	5	285	Min.	0.05	18
286	Max	0.08	5	286	Min.	0.06	18	287	Max	0.09	17	287	Min.	0.07	18
288	Max	0.11	17	288	Min.	0.08	1	289	Max	0.13	17	289	Min.	0.08	1
290	Max	0.14	17	290	Min.	0.08	9	291	Max	0.16	17	291	Min.	0.08	9
292	Max	0.17	17	292	Min.	0.08	9	293	Max	0.17	17	293	Min.	0.08	11
294	Max	0.17	17	294	Min.	0.08	11	295	Max	0.16	17	295	Min.	0.08	5
296	Max	0.14	17	296	Min.	0.08	5	297	Max	0.09	17	297	Min.	0.07	7
298	Max	0.08	1	298	Min.	0.06	18	299	Max	0.08	9	299	Min.	0.04	18
300	Max	0.08	9	300	Min.	0.03	18	301	Max	0.08	11	301	Min.	0.02	17
302	Max	0.08	11	302	Min.	0.02	17	303	Max	0.08	11	303	Min.	0.03	17
304	Max	0.08	5	304	Min.	0.03	18	305	Max	0.08	5	305	Min.	0.05	18
306	Max	0.08	7	306	Min.	0.06	18	307	Max	0.10	17	307	Min.	0.07	1
308	Max	0.12	17	308	Min.	0.07	1	309	Max	0.14	17	309	Min.	0.07	9
310	Max	0.16	17	310	Min.	0.07	9	311	Max	0.17	17	311	Min.	0.07	11
312	Max	0.17	17	312	Min.	0.07	11	313	Max	0.17	17	313	Min.	0.07	11
314	Max	0.16	17	314	Min.	0.07	5	315	Max	0.14	17	315	Min.	0.07	5
316	Max	0.09	17	316	Min.	0.06	7	317	Max	0.07	1	317	Min.	0.05	18
318	Max	0.07	9	318	Min.	0.03	18	319	Max	0.07	9	319	Min.	0.02	17
320	Max	0.07	11	320	Min.	0.01	17	321	Max	0.07	11	321	Min.	0.01	17
322	Max	0.07	11	322	Min.	0.01	17	323	Max	0.07	5	323	Min.	0.02	17
324	Max	0.07	5	324	Min.	0.04	18	325	Max	0.07	7	325	Min.	0.05	18
326	Max	0.09	17	326	Min.	0.06	1	327	Max	0.12	17	327	Min.	0.06	1
328	Max	0.14	17	328	Min.	0.06	9	329	Max	0.16	17	329	Min.	0.06	9
330	Max	0.17	17	330	Min.	0.06	11	331	Max	0.17	17	331	Min.	0.06	11
332	Max	0.17	17	332	Min.	0.06	11	333	Max	0.16	17	333	Min.	0.06	5
334	Max	0.14	17	334	Min.	0.06	5	335	Max	0.08	17	335	Min.	0.06	7

336	Max	0.07	1	336	Min.	0.04	18	337	Max	0.07	9	337	Min.	0.02	18	338	Max	0.07	9
338	Min.	0.00	17	339	Max	0.07	11	339	Min.	-0.01	17	340	Max	0.07	11	340	Min.	-0.01	17
341	Max	0.07	11	341	Min.	-0.01	17	342	Max	0.07	5	342	Min.	0.01	17	343	Max	0.07	5
343	Min.	0.03	18	344	Max	0.07	7	344	Min.	0.05	18	345	Max	0.08	17	345	Min.	0.06	1
346	Max	0.12	17	346	Min.	0.06	1	347	Max	0.14	17	347	Min.	0.06	9	348	Max	0.16	17
348	Min.	0.06	9	349	Max	0.17	17	349	Min.	0.06	11	350	Max	0.18	17	350	Min.	0.06	11
351	Max	0.17	17	351	Min.	0.06	11	352	Max	0.16	17	352	Min.	0.06	5	353	Max	0.13	17
353	Min.	0.06	5	354	Max	0.07	17	354	Min.	0.05	7	355	Max	0.06	1	355	Min.	0.03	18
356	Max	0.06	9	356	Min.	0.01	17	357	Max	0.06	9	357	Min.	-0.01	17	358	Max	0.06	11
358	Min.	-0.02	17	359	Max	0.06	11	359	Min.	-0.03	17	360	Max	0.06	11	360	Min.	-0.02	17
361	Max	0.06	5	361	Min.	-0.01	17	362	Max	0.06	5	362	Min.	0.02	17	363	Max	0.06	7
363	Min.	0.04	18	364	Max	0.08	17	364	Min.	0.05	1	365	Max	0.11	17	365	Min.	0.05	1
366	Max	0.14	17	366	Min.	0.05	9	367	Max	0.16	17	367	Min.	0.05	9	368	Max	0.17	17
368	Min.	0.05	11	369	Max	0.18	17	369	Min.	0.05	11	370	Max	0.17	17	370	Min.	0.05	11
371	Max	0.16	17	371	Min.	0.05	5	372	Max	0.13	17	372	Min.	0.05	5				

Sollecitazioni aste

Simbologia

Asta = Numero dell'asta
N1 = Nodo1
N2 = Nodo2
X = Coordinata progressiva rispetto al nodo iniziale
N = Sforzo normale
CC = Numero della combinazione delle condizioni di carico elementari
Ty = Taglio in dir. Y
Mz = Momento flettente intorno all'asse Z
Tz = Taglio in dir. Z
My = Momento flettente intorno all'asse Y
Mx = Momento torcente intorno all'asse X

Asta	N1	N2		X <cm>	N <daN>	CC	Ty <daN>	CC	Mz <daNm>	CC	Tz <daN>	CC	My <daNm>	CC	Mx <daNm>	CC
0	116	-118	Max	0.00	-369465.00	1	152270.00	17	744465.00	9	33150.00	17	744465.00	5	211200.00	17
0	116	-118	Max	125.00	-364727.00	1	152270.00	17	733784.00	9	33150.00	17	733784.00	5	211200.00	17
0	116	-118	Min.	0.00	-506904.00	17	-8544.44	9	-13746100.00	17	-8544.44	5	-4103700.00	17	0.00	1
0	116	-118	Min.	125.00	-500745.00	17	-8544.44	9	-13555800.00	17	-8544.44	5	-4062260.00	17	0.00	1
0	-118	268	Max	0.00	-364727.00	1	151026.00	17	733784.00	9	33150.00	17	733784.00	5	211200.00	17
0	-118	268	Max	125.00	-359989.00	1	151026.00	17	723133.00	9	33150.00	17	723133.00	5	211200.00	17
0	-118	268	Min.	0.00	-500745.00	17	-8520.79	9	-13555800.00	17	-8520.79	5	-4062260.00	17	0.00	1
0	-118	268	Min.	125.00	-494586.00	17	-8520.79	9	-13367000.00	17	-8520.79	5	-4020830.00	17	0.00	1
0	268	-119	Max	0.00	-359989.00	1	151026.00	17	723133.00	9	33150.00	17	723133.00	5	211200.00	17
0	268	-119	Max	125.00	-355251.00	1	151026.00	17	712514.00	9	33150.00	17	712514.00	5	211200.00	17
0	268	-119	Min.	0.00	-494586.00	17	-8495.47	9	-13367000.00	17	-8495.47	5	-4020830.00	17	0.00	1
0	268	-119	Min.	125.00	-488426.00	17	-8495.47	9	-13178200.00	17	-8495.47	5	-3979390.00	17	0.00	1
0	-119	269	Max	0.00	-355251.00	1	149733.00	17	712514.00	9	33150.00	17	712514.00	5	211200.00	17
0	-119	269	Max	125.00	-350513.00	1	149733.00	17	701928.00	9	33150.00	17	701928.00	5	211200.00	17
0	-119	269	Min.	0.00	-488426.00	17	-8468.48	9	-13178200.00	17	-8468.48	5	-3979390.00	17	0.00	1
0	-119	269	Min.	125.00	-482267.00	17	-8468.48	9	-12991100.00	17	-8468.48	5	-3937950.00	17	0.00	1
0	269	-120	Max	0.00	-350513.00	1	149733.00	17	701928.00	9	33150.00	17	701928.00	5	211200.00	17
0	269	-120	Max	124.00	-345813.00	1	149733.00	17	691463.00	9	33150.00	17	691463.00	5	211200.00	17
0	269	-120	Min.	0.00	-482267.00	17	-8439.95	9	-12991100.00	17	-8439.95	5	-3937950.00	17	0.00	1
0	269	-120	Min.	124.00	-476157.00	17	-8439.95	9	-12805400.00	17	-8439.95	5	-3896850.00	17	0.00	1
0	-120	270	Max	0.00	-345813.00	1	148406.00	17	691462.00	9	33150.00	17	691462.00	5	211200.00	17
0	-120	270	Max	124.00	-341113.00	1	148406.00	17	681034.00	9	33150.00	17	681034.00	5	211200.00	17
0	-120	270	Min.	0.00	-476157.00	17	-8409.90	9	-12805400.00	17	-8409.90	5	-3896850.00	17	0.00	1
0	-120	270	Min.	124.00	-470047.00	17	-8409.90	9	-12621400.00	17	-8409.90	5	-3855740.00	17	0.00	1
0	270	-121	Max	0.00	-341113.00	1	148406.00	17	681034.00	9	33150.00	17	681034.00	5	211200.00	17
0	270	-121	Max	120.00	-336565.00	1	148406.00	17	670980.00	9	33150.00	17	670980.00	5	211200.00	17
0	270	-121	Min.	0.00	-470047.00	17	-8378.72	9	-12621400.00	17	-8378.72	5	-3855740.00	17	0.00	1
0	270	-121	Min.	120.00	-464134.00	17	-8378.72	9	-12443300.00	17	-8378.72	5	-3815960.00	17	0.00	1
0	-121	271	Max	0.00	-336565.00	1	147084.00	17	670980.00	9	33150.00	17	670980.00	5	211200.00	17
0	-121	271	Max	120.00	-332016.00	1	147084.00	17	660964.00	9	33150.00	17	660964.00	5	211200.00	17
0	-121	271	Min.	0.00	-464134.00	17	-8346.52	9	-12443300.00	17	-8346.52	5	-3815960.00	17	0.00	1
0	-121	271	Min.	120.00	-458221.00	17	-8346.52	9	-12266800.00	17	-8346.52	5	-3776180.00	17	0.00	1
0	271	-122	Max	0.00	-332016.00	1	147084.00	17	660964.00	9	33150.00	17	660964.00	5	211200.00	17
0	271	-122	Max	120.00	-327468.00	1	147084.00	17	650989.00	9	33150.00	17	650989.00	5	211200.00	17
0	271	-122	Min.	0.00	-458221.00	17	-8312.79	9	-12266800.00	17	-8312.79	5	-3776180.00	17	0.00	1
0	271	-122	Min.	120.00	-452308.00	17	-8312.79	9	-12090300.00	17	-8312.79	5	-3736400.00	17	0.00	1
0	-122	272	Max	0.00	-327468.00	1	145730.00	17	650988.00	9	33150.00	17	650988.00	5	211200.00	17
0	-122	272	Max	120.00	-322919.00	1	145730.00	17	641055.00	9	33150.00	17	641055.00	5	211200.00	17
0	-122	272	Min.	0.00	-452308.00	17	-8277.52	9	-12090300.00	17	-8277.52	5	-3736400.00	17	0.00	1
0	-122	272	Min.	120.00	-446395.00	17	-8277.52	9	-11915400.00	17	-8277.52	5	-3696620.00	17	0.00	1
0	272	-123	Max	0.00	-322919.00	1	145730.00	17	641056.00	9	33150.00	17	641056.00	5	211200.00	17
0	272	-123	Max	120.00	-318371.00	1	145730.00	17	631167.00	9	33150.00	17	631167.00	5	211200.00	17
0	272	-123	Min.	0.00	-446395.00	17	-8240.73	9	-11915400.00	17	-8240.73	5	-3696620.00	17	0.00	1
0	272	-123	Min.	120.00	-440482.00	17	-8240.73	9	-11740500.00	17	-8240.73	5	-3656840.00	17	0.00	1
0	-123	-117	Max	0.00	-318371.00	1	144345.00	17	631167.00	9	33150.00	17	631167.00	5	211200.00	17
0	-123	-117	Max	120.00	-313823.00	1	144345.00	17	621324.00	9	33150.00	17	621324.00	5	211200.00	17
0	-123	-117	Min.	0.00	-440482.00	17	-8202.40	9	-11740500.00	17	-8202.40	5	-3656840.00	17	0.00	1
0	-123	-117	Min.	120.00	-434569.00	17	-8202.40	9	-11567300.00	17	-8202.40	5	-3617060.00	17	0.00	1
0	-117	-111	Max	0.00	-313823.00	1	144158.00	17	621324.00	9	33150.00	17	621324.00	5	211200.00	17
0	-117	-111	Max	125.00	-309351.00	1	144158.00	17	611120.00	9	33150.00	17	611120.00	5	211200.00	17
0	-117	-111	Min.	0.00	-434569.00	17	-8162.87	9	-11567300.00	17	-8162.87	5	-3617060.00	17	0.00	1
0	-117	-111	Min.	125.00	-428756.00	17	-8162.87	9	-11387100.00	17	-8162.87	5	-3575620.00	17	0.00	1
10	110	-116	Max	0.00	-433941.00	1	157611.00	17	855575.00	9	33150.00	17	855575.00	5	211200.00	17
10	110	-116	Max	128.50	-426695.00	1	157611.00	17	844360.00	9	33150.00	17	844360.00	5	211200.00	17
10	110	-116	Min.	0.00	-590723.00	17	-8727.87	9	-15738000.00	17	-8727.87	5	-4529180.00	17	0.00	1
10	110	-116	Min.	128.50	-581304.00	17	-8727.87	9	-15535500.00	17	-8727.87	5	-4486590.00	17	0.00	1
10	-116	112	Max	0.00	-426695.00	1	156726.00	17	844360.00	9	33150.00	17	844360.00	5	211200.00	17

10	-116	112	Max	128.50	-419819.00	1	156726.00	17	833157.00	9	33150.00	17	833157.00	5	211200.00	17
10	-116	112	Min.	0.00	-581304.00	17	-8717.99	9	-15535500.00	17	-8717.99	5	-4486580.00	17	0.00	1
10	-116	112	Min.	128.50	-572365.00	17	-8717.99	9	-15334100.00	17	-8717.99	5	-4443990.00	17	0.00	1
10	112	-115	Max	0.00	-419819.00	1	156726.00	17	833157.00	9	33150.00	17	833157.00	5	211200.00	17
10	112	-115	Max	146.50	-411980.00	1	156726.00	17	820405.00	9	33150.00	17	820405.00	5	211200.00	17
10	112	-115	Min.	0.00	-572365.00	17	-8705.04	9	-15334100.00	17	-8705.04	5	-4443990.00	17	0.00	1
10	112	-115	Min.	146.50	-562174.00	17	-8705.04	9	-15104500.00	17	-8705.04	5	-4395420.00	17	0.00	1
10	-115	113	Max	0.00	-411980.00	1	155658.00	17	820404.00	9	33150.00	17	820404.00	5	211200.00	17
10	-115	113	Max	146.50	-404141.00	1	155658.00	17	807676.00	9	33150.00	17	807676.00	5	211200.00	17
10	-115	113	Min.	0.00	-562174.00	17	-8688.01	9	-15104500.00	17	-8688.01	5	-4395420.00	17	0.00	1
10	-115	113	Min.	146.50	-551984.00	17	-8688.01	9	-14876500.00	17	-8688.01	5	-4346860.00	17	0.00	1
10	113	-114	Max	0.00	-404141.00	1	155658.00	17	807677.00	9	33150.00	17	807677.00	5	211200.00	17
10	113	-114	Max	75.00	-400128.00	1	155658.00	17	801172.00	9	33150.00	17	801172.00	5	211200.00	17
10	113	-114	Min.	0.00	-551984.00	17	-8672.71	9	-14876500.00	17	-8672.71	5	-4346860.00	17	0.00	1
10	113	-114	Min.	75.00	-546766.00	17	-8672.71	9	-14759700.00	17	-8672.71	5	-4322000.00	17	0.00	1
10	-114	114	Max	0.00	-400128.00	1	155061.00	17	801172.00	9	33150.00	17	801172.00	5	211200.00	17
10	-114	114	Max	75.00	-396115.00	1	155061.00	17	794676.00	9	33150.00	17	794676.00	5	211200.00	17
10	-114	114	Min.	0.00	-546767.00	17	-8661.49	9	-14759700.00	17	-8661.49	5	-4322000.00	17	0.00	1
10	-114	114	Min.	75.00	-541549.00	17	-8661.49	9	-14643400.00	17	-8661.49	5	-4297130.00	17	0.00	1
10	114	-113	Max	0.00	-396115.00	1	155061.00	17	794676.00	9	33150.00	17	794676.00	5	211200.00	17
10	114	-113	Max	145.25	-388343.00	1	155061.00	17	782121.00	9	33150.00	17	782121.00	5	211200.00	17
10	114	-113	Min.	0.00	-541549.00	17	-8643.79	9	-14643400.00	17	-8643.79	5	-4297130.00	17	0.00	1
10	114	-113	Min.	145.25	-531446.00	17	-8643.79	9	-14418200.00	17	-8643.79	5	-4248980.00	17	0.00	1
10	-113	115	Max	0.00	-388343.00	1	153809.00	17	782121.00	9	33150.00	17	782121.00	5	211200.00	17
10	-113	115	Max	145.25	-380570.00	1	153809.00	17	769604.00	9	33150.00	17	769604.00	5	211200.00	17
10	-113	115	Min.	0.00	-531446.00	17	-8617.27	9	-14418200.00	17	-8617.27	5	-4248980.00	17	0.00	1
10	-113	115	Min.	145.25	-521342.00	17	-8617.27	9	-14194800.00	17	-8617.27	5	-4200830.00	17	0.00	1
10	115	-112	Max	0.00	-380570.00	1	153809.00	17	769604.00	9	33150.00	17	769604.00	5	211200.00	17
10	115	-112	Max	146.50	-375018.00	1	153809.00	17	757017.00	9	33150.00	17	757017.00	5	211200.00	17
10	115	-112	Min.	0.00	-521342.00	17	-8591.82	9	-14194800.00	17	-8591.82	5	-4200830.00	17	0.00	1
10	115	-112	Min.	146.50	-514123.00	17	-8591.82	9	-13969500.00	17	-8591.82	5	-4152270.00	17	0.00	1
10	-112	116	Max	0.00	-375018.00	1	152439.00	17	757017.00	9	33150.00	17	757017.00	5	211200.00	17
10	-112	116	Max	146.50	-369465.00	1	152439.00	17	744464.00	9	33150.00	17	744464.00	5	211200.00	17
10	-112	116	Min.	0.00	-514123.00	17	-8568.33	9	-13969500.00	17	-8568.33	5	-4152270.00	17	0.00	1
10	-112	116	Min.	146.50	-506904.00	17	-8568.33	9	-13746100.00	17	-8568.33	5	-4103700.00	17	0.00	1
10	-111	117	Max	0.00	-309351.00	1	142682.00	17	611120.00	9	33150.00	17	611120.00	5	211200.00	17
10	-111	117	Max	125.00	-304879.00	1	142682.00	17	600968.00	9	33150.00	17	600968.00	5	211200.00	17
10	-111	117	Min.	0.00	-428756.00	17	-8122.12	9	-11387100.00	17	-8122.12	5	-3575620.00	17	0.00	1
10	-111	117	Min.	125.00	-422943.00	17	-8122.12	9	-11208800.00	17	-8122.12	5	-3534180.00	17	0.00	1
10	117	-110	Max	0.00	-304879.00	1	142682.00	17	600968.00	9	33150.00	17	600968.00	5	211200.00	17
10	117	-110	Max	130.00	-300405.00	1	142682.00	17	590464.00	9	33150.00	17	590464.00	5	211200.00	17
10	117	-110	Min.	0.00	-422943.00	17	-8079.77	9	-11208800.00	17	-8079.77	5	-3534180.00	17	0.00	1
10	117	-110	Min.	130.00	-417126.00	17	-8079.77	9	-11023300.00	17	-8079.77	5	-3491090.00	17	0.00	1
10	-110	118	Max	0.00	-300405.00	1	141117.00	17	590464.00	9	33150.00	17	590464.00	5	211200.00	17
10	-110	118	Max	130.00	-295930.00	1	141117.00	17	580017.00	9	33150.00	17	580017.00	5	211200.00	17
10	-110	118	Min.	0.00	-417126.00	17	-8035.79	9	-11023300.00	17	-8035.79	5	-3491090.00	17	0.00	1
10	-110	118	Min.	130.00	-411310.00	17	-8035.79	9	-10839800.00	17	-8035.79	5	-3447990.00	17	0.00	1
10	118	-109	Max	0.00	-295930.00	1	141117.00	17	580017.00	9	33150.00	17	580017.00	5	211200.00	17
10	118	-109	Max	132.00	-291579.00	1	141117.00	17	569469.00	9	33150.00	17	569469.00	5	211200.00	17
10	118	-109	Min.	0.00	-411310.00	17	-7990.80	9	-10839800.00	17	-7990.80	5	-3447990.00	17	0.00	1
10	118	-109	Min.	132.00	-405653.00	17	-7990.80	9	-10653600.00	17	-7990.80	5	-3404240.00	17	0.00	1
10	-109	119	Max	0.00	-291579.00	1	139500.00	17	569469.00	9	33150.00	17	569469.00	5	211200.00	17
10	-109	119	Max	132.00	-287228.00	1	139500.00	17	558982.00	9	33150.00	17	558982.00	5	211200.00	17
10	-109	119	Min.	0.00	-405653.00	17	-7944.82	9	-10653600.00	17	-7944.82	5	-3404240.00	17	0.00	1
10	-109	119	Min.	132.00	-399996.00	17	-7944.82	9	-10469400.00	17	-7944.82	5	-3360480.00	17	0.00	1
10	119	-108	Max	0.00	-287228.00	1	139500.00	17	558982.00	9	33150.00	17	558982.00	5	211200.00	17
10	119	-108	Max	135.00	-283001.00	1	139500.00	17	548320.00	9	33150.00	17	548320.00	5	211200.00	17
10	119	-108	Min.	0.00	-399996.00	17	-7897.91	9	-10469400.00	17	-7897.91	5	-3360480.00	17	0.00	1
10	119	-108	Min.	135.00	-394501.00	17	-7897.91	9	-10281100.00	17	-7897.91	5	-3315730.00	17	0.00	1
10	-108	120	Max	0.00	-283001.00	1	137819.00	17	548320.00	9	33150.00	17	548320.00	5	211200.00	17
10	-108	120	Max	135.00	-278773.00	1	137819.00	17	537723.00	9	33150.00	17	537723.00	5	211200.00	17
10	-108	120	Min.	0.00	-394501.00	17	-7850.07	9	-10281100.00	17	-7850.07	5	-3315730.00	17	0.00	1
10	-108	120	Min.	135.00	-389005.00	17	-7850.07	9	-10095000.00	17	-7850.07	5	-3270970.00	17	0.00	1
10	120	-107	Max	0.00	-278773.00	1	137819.00	17	537723.00	9	33150.00	17	537723.00	5	211200.00	17
10	120	-107	Max	135.00	-274782.00	1	137819.00	17	527190.00	9	33150.00	17	527190.00	5	211200.00	17
10	120	-107	Min.	0.00	-389005.00	17	-7802.01	9	-10095000.00	17	-7802.01	5	-3270970.00	17	0.00	1
10	120	-107	Min.	135.00	-383816.00	17	-7802.01	9	-9908980.00	17	-7802.01	5	-3226220.00	17	0.00	1
10	-107	121	Max	0.00	-274782.00	1	136110.00	17	527190.00	9	33150.00	17	527190.00	5	211200.00	17
10	-107	121	Max	135.00	-270790.00	1	136110.00	17	516722.00	9	33150.00	17	516722.00	5	211200.00	17
10	-107	121	Min.	0.00	-383816.00	17	-7753.82	9	-9908980.00	17	-7753.82	5	-3226220.00	17	0.00	1
10	-107	121	Min.	135.00	-378627.00	17	-7753.82	9	-9725230.00	17	-7753.82	5	-3181470.00	17	0.00	1
10	121	-106	Max	0.00	-270790.00	1	136110.00	17	516722.00	9	33150.00	17	516722.00	5	211200.00	17
10	121	-106	Max	146.50	-266673.00	1	136110.00	17	505437.00	9	33150.00	17	505437.00	5	211200.00	17
10	121	-106	Min.	0.00	-378628.00	17	-7703.33	9	-9725240.00	17	-7703.33	5	-3181470.00	17	0.00	1
10	121	-106	Min.	146.50	-373274.00	17	-7703.33	9	-9525830.00	17	-7703.33	5	-3132900.00	17	0.00	1
10	-106	122	Max	0.00	-266673.00	1	134229.00	17	505437.00	9	33150.00	17	505437.00	5	211200.00	17
10	-106	122	Max	146.50	-262555.00	1	134229.00	17	494229.00	9	33150.00	17	494229.00	5	211200.00	17
10	-106	122	Min.	0.00	-373274.00	17	-7650.35	9	-9525830.00	17	-7650.35	5	-3132900.00	17	0.00	1
10	-106	122	Min.	146.50	-367921.00	17	-7650.35	9	-9329190.00	17	-7650.35	5	-3084340.00	17	0.00	1
10	122	-105	Max	0.00	-262555.00	1	134229.00	17	494229.00	9	33150.00	17	494229.00	5	211200.00	17
10	122	-105	Max	146.50	-258579.00	1	134229.00	17	483100.00	9	33150.00	17	483100.00	5	211200.00	17
10	122	-105	Min.	0.00	-367921.00	17	-7596.63	9	-9329190.00	17	-7596.63	5	-3084340.00	17	0.00	1
10	122	-105	Min.	146.50	-362753.00	17	-7596.63	9	-9132540.00	17	-7596.63	5	-3035770.00	17	0.00	1
10	-105	123	Max	0.00	-258579.00	1	132320.00	17	483100.00	9	33150.00	17	483100.00	5	211200.00	17
10	-105	123	Max	146.50	-254604.00	1	132320.00	17	472050.00	9	33150.00	17	472050.00	5	211200.00	17
10	-105	123	Min.	0.00	-362753.00	17	-7542.22	9	-9132540.00	17	-7542.22	5	-3035780.00	17	0.00	1
10	-105	123	Min.	146.50	-357585.00	17	-7542.22	9	-8938700.00	17	-7542.22	5	-2987210.00	17	0.00	1
10	123	-104	Max	0.00	-254604.00	1	132129.00	17	472051.00	9	33150.00	17	472051.00	5	211200.00	17
10	123	-104	Max	145.55	-250590.00	1	132129.00	17	461155.00	9	33150.00	17	461155.00	5	211200.00	17
10	123	-104	Min.	0.00	-357585.00	17	-7485.90	9	-8938700.00	17	-7485.90	5	-2987210.00	17	0.00	1
10	123	-104	Min.	145.55	-352366.00	17	-7485.90	9	-8746380.00	17	-7485.90	5	-2938960.00	17	0.00	1
10	-104	124	Max	0.00	-250590.00	1	130208.00	17	461155.00	9	33150.00	17	461155.00	5	211200.00	17
10	-104	124	Max	145.55	-246575.00	1	130208.00	17	450344.00	9	33150.00	17	450344.00	5	211200.00	17
10	-104	124	Min.	0.00	-352366.00	17	-7427.67	9	-8746380.00	17	-7427.67	5	-2938960.00	17	0.00	1
10	-104	124	Min.	145.55	-347148.00	17	-7427.67	9	-8556870.00	17	-7427.67	5	-2890710.00	17	0.00	1
10	124	-103	Max	0.00	-246575.00	1	130208.00	17	450344.00	9	33150.00	17	450344.00	5	211200.00	17
10	124	-103	Max	145.55	-242883.00	1	130208.00	17	439616.00	9	33150.00	17	439616.00	5	211200.00	17
10	124	-103	Min.	0.00	-347148.00	17	-7370.20	9	-8556860.00	17	-7370.20	5	-2890710.00	17	0.00	1
10	124	-103	Min.	145.55	-342348.00	17	-7370.20	9	-8367350.00	17	-7370.20	5	-2842460.00	17	0.00	1
10	-103	125	Max	0.00	-242883.00	1	128268.00	17	439616.00	9	33150.00	17	439616.00	5	211200.00	17
10	-103	125	Max	145.55	-239191.00	1	128268.00	17	428972.00	9	33150.00	17	428972.00	5	211200.00	17
10	-103	125	Min.	0.00	-342348.00	17	-7313.62	9	-8367350.00	17	-7313.62	5	-2842460.00	17	0.00	1
10	-103	125	Min.	145.55	-337549.00	17	-7313.62	9	-8180650.00	17	-7313.62	5	-2794210.00	17	0.00	1
10	125	-102	Max	0.00	-239191.00	1	128268.00	17	428971.00	9	33150.00	17	428971.00	5	211200.00	17
10	125	-102	Max	145.55	-235607.00	1	128268.00	17	418410.00	9	33150.00	17	418410.00	5	211200.00	17

10	125	-102	Min.	0.00	-337549.00	17	-7256.38	9	-8180650.00	17	-7256.38	5	-2794210.00	17	0.00	1
10	125	-102	Min.	145.55	-332889.00	17	-7256.38	9	-7993960.00	17	-7256.38	5	-2745960.00	17	0.00	1
10	-102	126	Max	0.00	-235607.00	1	126311.00	17	418410.00	9	33150.00	17	418410.00	5	211200.00	17
10	-102	126	Max	145.55	-232023.00	1	126311.00	17	407932.00	9	33150.00	17	407932.00	5	211200.00	17
10	-102	126	Min.	0.00	-332889.00	17	-7198.53	9	-7993960.00	17	-7198.53	5	-2745960.00	17	0.00	1
10	-102	126	Min.	145.55	-328230.00	17	-7198.53	9	-7810110.00	17	-7198.53	5	-2697710.00	17	0.00	1
10	126	-101	Max	0.00	-232023.00	1	126311.00	17	407932.00	9	33150.00	17	407932.00	5	211200.00	17
10	126	-101	Max	145.55	-228520.00	1	126311.00	17	397540.00	9	33150.00	17	397540.00	5	211200.00	17
10	126	-101	Min.	0.00	-328230.00	17	-7139.88	9	-7810110.00	17	-7139.88	5	-2697710.00	17	0.00	1
10	126	-101	Min.	145.55	-323676.00	17	-7139.88	9	-7626270.00	17	-7139.88	5	-2649460.00	17	0.00	1
10	-101	127	Max	0.00	-228520.00	1	124337.00	17	397540.00	9	33150.00	17	397540.00	5	211200.00	17
10	-101	127	Max	145.55	-225017.00	1	124337.00	17	387235.00	9	33150.00	17	387235.00	5	211200.00	17
10	-101	127	Min.	0.00	-323676.00	17	-7080.48	9	-7626270.00	17	-7080.48	5	-2649460.00	17	0.00	1
10	-101	127	Min.	145.55	-319122.00	17	-7080.48	9	-7445300.00	17	-7080.48	5	-2601210.00	17	0.00	1
10	127	-100	Max	0.00	-225017.00	1	124337.00	17	387235.00	9	33150.00	17	387235.00	5	211200.00	17
10	127	-100	Max	145.55	-221496.00	1	124337.00	17	377018.00	9	33150.00	17	377018.00	5	211200.00	17
10	127	-100	Min.	0.00	-319122.00	17	-7019.49	9	-7445300.00	17	-7019.49	5	-2601210.00	17	0.00	1
10	127	-100	Min.	145.55	-314545.00	17	-7019.49	9	-7264330.00	17	-7019.49	5	-2552960.00	17	0.00	1
10	-100	128	Max	0.00	-221496.00	1	122349.00	17	377018.00	9	33150.00	17	377018.00	5	211200.00	17
10	-100	128	Max	145.55	-217976.00	1	122349.00	17	366892.00	9	33150.00	17	366892.00	5	211200.00	17
10	-100	128	Min.	0.00	-314545.00	17	-6956.91	9	-7264320.00	17	-6956.91	5	-2552960.00	17	0.00	1
10	-100	128	Min.	145.55	-309969.00	17	-6956.91	9	-7086250.00	17	-6956.91	5	-2504710.00	17	0.00	1
10	128	-99	Max	0.00	-217976.00	1	122349.00	17	366892.00	9	33150.00	17	366892.00	5	211200.00	17
10	128	-99	Max	145.55	-214690.00	1	122349.00	17	356856.00	9	33150.00	17	356856.00	5	211200.00	17
10	128	-99	Min.	0.00	-309969.00	17	-6895.02	9	-7086250.00	17	-6895.02	5	-2504710.00	17	0.00	1
10	128	-99	Min.	145.55	-305697.00	17	-6895.02	9	-6908170.00	17	-6895.02	5	-2456460.00	17	0.00	1
10	-99	129	Max	0.00	-214690.00	1	120347.00	17	356856.00	9	33150.00	17	356856.00	5	211200.00	17
10	-99	129	Max	145.55	-211403.00	1	120347.00	17	346910.00	9	33150.00	17	346910.00	5	211200.00	17
10	-99	129	Min.	0.00	-305697.00	17	-6833.92	9	-6908170.00	17	-6833.92	5	-2456460.00	17	0.00	1
10	-99	129	Min.	145.55	-301424.00	17	-6833.92	9	-6733000.00	17	-6833.92	5	-2408210.00	17	0.00	1
10	129	-98	Max	0.00	-211403.00	1	120347.00	17	346910.00	9	33150.00	17	346910.00	5	211200.00	17
10	129	-98	Max	145.55	-208223.00	1	120347.00	17	337052.00	9	33150.00	17	337052.00	5	211200.00	17
10	129	-98	Min.	0.00	-301424.00	17	-6772.48	9	-6733000.00	17	-6772.48	5	-2408210.00	17	0.00	1
10	129	-98	Min.	145.55	-297290.00	17	-6772.48	9	-6557840.00	17	-6772.48	5	-2359960.00	17	0.00	1
10	-98	130	Max	0.00	-208223.00	1	118332.00	17	337052.00	9	33150.00	17	337052.00	5	211200.00	17
10	-98	130	Max	145.55	-205042.00	1	118332.00	17	327285.00	9	33150.00	17	327285.00	5	211200.00	17
10	-98	130	Min.	0.00	-297290.00	17	-6710.74	9	-6557840.00	17	-6710.74	5	-2359960.00	17	0.00	1
10	-98	130	Min.	145.55	-293155.00	17	-6710.74	9	-6385610.00	17	-6710.74	5	-2311710.00	17	0.00	1
10	130	-97	Max	0.00	-205042.00	1	118332.00	17	327285.00	9	33150.00	17	327285.00	5	211200.00	17
10	130	-97	Max	121.10	-202497.00	1	118332.00	17	319227.00	9	33150.00	17	319227.00	5	211200.00	17
10	130	-97	Min.	0.00	-293155.00	17	-6654.00	9	-6385610.00	17	-6654.00	5	-2311710.00	17	0.00	1
10	130	-97	Min.	121.10	-289846.00	17	-6654.00	9	-6242310.00	17	-6654.00	5	-2271570.00	17	0.00	1
10	-97	131	Max	0.00	-202497.00	1	116646.00	17	319227.00	9	33150.00	17	319227.00	5	211200.00	17
10	-97	131	Max	121.10	-199951.00	1	116646.00	17	311231.00	9	33150.00	17	311231.00	5	211200.00	17
10	-97	131	Min.	0.00	-289846.00	17	-6602.68	9	-6242310.00	17	-6602.68	5	-2271570.00	17	0.00	1
10	-97	131	Min.	121.10	-286537.00	17	-6602.68	9	-6101050.00	17	-6602.68	5	-2231420.00	17	0.00	1
10	131	-96	Max	0.00	-199951.00	1	116646.00	17	311231.00	9	33150.00	17	311231.00	5	211200.00	17
10	131	-96	Max	121.10	-197468.00	1	116646.00	17	303297.00	9	33150.00	17	303297.00	5	211200.00	17
10	131	-96	Min.	0.00	-286537.00	17	-6551.14	9	-6101050.00	17	-6551.14	5	-2231420.00	17	0.00	1
10	131	-96	Min.	121.10	-283309.00	17	-6551.14	9	-5959790.00	17	-6551.14	5	-2191280.00	17	0.00	1
10	-96	132	Max	0.00	-197468.00	1	114953.00	17	303297.00	9	33150.00	17	303297.00	5	211200.00	17
10	-96	132	Max	121.10	-194986.00	1	114953.00	17	295427.00	9	33150.00	17	295427.00	5	211200.00	17
10	-96	132	Min.	0.00	-283309.00	17	-6499.40	9	-5959790.00	17	-6499.40	5	-2191280.00	17	0.00	1
10	-96	132	Min.	121.10	-280082.00	17	-6499.40	9	-5820580.00	17	-6499.40	5	-2151130.00	17	0.00	1
10	132	-95	Max	0.00	-194986.00	1	114791.00	17	295427.00	9	33150.00	17	295427.00	5	211200.00	17
10	132	-95	Max	144.35	-192124.00	1	114791.00	17	286126.00	9	33150.00	17	286126.00	5	211200.00	17
10	132	-95	Min.	0.00	-280082.00	17	-6442.81	9	-5820580.00	17	-6442.81	5	-2151130.00	17	0.00	1
10	132	-95	Min.	144.35	-276361.00	17	-6442.81	9	-5654880.00	17	-6442.81	5	-2103280.00	17	0.00	1
10	-95	133	Max	0.00	-192124.00	1	112766.00	17	286127.00	9	33150.00	17	286127.00	5	211200.00	17
10	-95	133	Max	144.35	-189262.00	1	112766.00	17	276916.00	9	33150.00	17	276916.00	5	211200.00	17
10	-95	133	Min.	0.00	-276361.00	17	-6381.03	9	-5654880.00	17	-6381.03	5	-2103280.00	17	0.00	1
10	-95	133	Min.	144.35	-272640.00	17	-6381.03	9	-5492100.00	17	-6381.03	5	-2055430.00	17	0.00	1
10	133	-94	Max	0.00	-189262.00	1	112766.00	17	276916.00	9	33150.00	17	276916.00	5	211200.00	17
10	133	-94	Max	144.35	-186473.00	1	112766.00	17	267794.00	9	33150.00	17	267794.00	5	211200.00	17
10	133	-94	Min.	0.00	-272640.00	17	-6318.90	9	-5492110.00	17	-6318.90	5	-2055430.00	17	0.00	1
10	133	-94	Min.	144.35	-269015.00	17	-6318.90	9	-5329330.00	17	-6318.90	5	-2007580.00	17	0.00	1
10	-94	134	Max	0.00	-186473.00	1	110739.00	17	267794.00	9	33150.00	17	267794.00	5	211200.00	17
10	-94	134	Max	144.35	-183685.00	1	110739.00	17	258763.00	9	33150.00	17	258763.00	5	211200.00	17
10	-94	134	Min.	0.00	-269015.00	17	-6256.46	9	-5329330.00	17	-6256.46	5	-2007580.00	17	0.00	1
10	-94	134	Min.	144.35	-265391.00	17	-6256.46	9	-5169480.00	17	-6256.46	5	-1959730.00	17	0.00	1
10	134	-93	Max	0.00	-183685.00	1	110739.00	17	258763.00	9	33150.00	17	258763.00	5	211200.00	17
10	134	-93	Max	144.35	-181025.00	1	110739.00	17	249821.00	9	33150.00	17	249821.00	5	211200.00	17
10	134	-93	Min.	0.00	-265390.00	17	-6194.35	9	-5169480.00	17	-6194.35	5	-1959730.00	17	0.00	1
10	134	-93	Min.	144.35	-261932.00	17	-6194.35	9	-5009630.00	17	-6194.35	5	-1911870.00	17	0.00	1
10	-93	135	Max	0.00	-181025.00	1	108713.00	17	249821.00	9	33150.00	17	249821.00	5	211200.00	17
10	-93	135	Max	144.35	-178365.00	1	108713.00	17	240969.00	9	33150.00	17	240969.00	5	211200.00	17
10	-93	135	Min.	0.00	-261932.00	17	-6132.62	9	-5009630.00	17	-6132.62	5	-1911870.00	17	0.00	1
10	-93	135	Min.	144.35	-258474.00	17	-6132.62	9	-4852700.00	17	-6132.62	5	-1864020.00	17	0.00	1
10	135	-92	Max	0.00	-178365.00	1	108713.00	17	240969.00	9	33150.00	17	240969.00	5	211200.00	17
10	135	-92	Max	144.35	-175805.00	1	108713.00	17	232206.00	9	33150.00	17	232206.00	5	211200.00	17
10	135	-92	Min.	0.00	-258474.00	17	-6070.99	9	-4852700.00	17	-6070.99	5	-1864020.00	17	0.00	1
10	135	-92	Min.	144.35	-255146.00	17	-6070.99	9	-4695770.00	17	-6070.99	5	-1816170.00	17	0.00	1
10	-92	136	Max	0.00	-175805.00	1	106685.00	17	232205.00	9	33150.00	17	232205.00	5	211200.00	17
10	-92	136	Max	144.35	-173245.00	1	106685.00	17	223531.00	9	33150.00	17	223531.00	5	211200.00	17
10	-92	136	Min.	0.00	-255146.00	17	-6009.51	9	-4695770.00	17	-6009.51	5	-1816170.00	17	0.00	1
10	-92	136	Min.	144.35	-251818.00	17	-6009.51	9	-4541770.00	17	-6009.51	5	-1768320.00	17	0.00	1
10	136	-91	Max	0.00	-173245.00	1	106685.00	17	223531.00	9	33150.00	17	223531.00	5	211200.00	17
10	136	-91	Max	144.35	-170769.00	1	106685.00	17	214945.00	9	33150.00	17	214945.00	5	211200.00	17
10	136	-91	Min.	0.00	-251818.00	17	-5948.01	9	-4541770.00	17	-5948.01	5	-1768320.00	17	0.00	1
10	136	-91	Min.	144.35	-248599.00	17	-5948.01	9	-4387770.00	17	-5948.01	5	-1720470.00	17	0.00	1
10	-91	137	Max	0.00	-170769.00	1	104658.00	17	214945.00	9	33150.00	17	214945.00	5	211200.00	17
10	-91	137	Max	144.35	-168293.00	1	104658.00	17	206447.00	9	33150.00	17	206447.00	5	211200.00	17
10	-91	137	Min.	0.00	-248599.00	17	-5886.55	9	-4387770.00	17	-5886.55	5	-1720470.00	17	0.00	1
10	-91	137	Min.	144.35	-245381.00	17	-5886.55	9	-4236700.00	17	-5886.55	5	-1672610.00	17	0.00	1
10	137	-90	Max	0.00	-168293.00	1	104658.00	17	206448.00	9	33150.00	17	206448.00	5	211200.00	17
10	137	-90	Max	144.35	-165941.00	1	104658.00	17	198038.00	9	33150.00	17	198038.00	5	211200.00	17
10	137	-90	Min.	0.00	-245381.00	17	-5825.64	9	-4236700.00	17	-5825.64	5	-1672610.00	17	0.00	1
10	137	-90	Min.	144.35	-242323.00	17	-5825.64	9	-4085620.00	17	-5825.64	5	-1624760.00	17	0.00	1
10	-90	138	Max	0.00	-165941.00	1	102632.00	17	198038.00	9	33150.00	17	198038.00	5	211200.00	17
10	-90	138	Max	144.35	-163589.00	1	102632.00	17	189716.00	9	33150.00	17	189716.00	5	211200.00	17
10	-90	138	Min.	0.00	-242323.00	17	-5765.35	9	-4085630.00	17	-5765.35	5	-1624760.00	17	0.00	1
10	-90	138	Min.	144.35	-239266.00	17	-5765.35	9	-3937480.00	17	-5765.35	5	-1576910.00	17	0.00	1
10	138	-89	Max	0.00	-163589.00	1	102632.00	17	189716.00	9	33150.00	17	189716.00	5	211200.00	17
10	138	-89	Max	144.35	-161295.00	1	102632.00	17	181481.00	9	33150.00	17	181481.00	5	211200.00	17
10	138	-89	Min.	0.00	-239266.00	17	-5704.85	9	-3937480.00	17	-5704.85	5	-1576910.00	17	0.00	1

10	138	-89	Min.	144.35	-236283.00	17	-5704.85	9	-3789330.00	17	-5704.85	5	-1529060.00	17	0.00	1
10	-89	139	Max	0.00	-161295.00	1	100605.00	17	181481.00	9	33150.00	17	181481.00	5	211200.00	17
10	-89	139	Max	144.35	-159000.00	1	100605.00	17	173334.00	9	33150.00	17	173334.00	5	211200.00	17
10	-89	139	Min.	0.00	-236283.00	17	-5644.16	9	-3789330.00	17	-5644.16	5	-1529060.00	17	0.00	1
10	-89	139	Min.	144.35	-233300.00	17	-5644.16	9	-3644100.00	17	-5644.16	5	-1481210.00	17	0.00	1
10	139	-88	Max	0.00	-159000.00	1	100605.00	17	173334.00	9	33150.00	17	173334.00	5	211200.00	17
10	139	-88	Max	103.15	-157445.00	1	100605.00	17	167565.00	9	33150.00	17	167565.00	5	211200.00	17
10	139	-88	Min.	0.00	-233300.00	17	-5592.46	9	-3644110.00	17	-5592.46	5	-1481210.00	17	0.00	1
10	139	-88	Min.	103.15	-231278.00	17	-5592.46	9	-3540330.00	17	-5592.46	5	-1447010.00	17	0.00	1
10	-88	140	Max	0.00	-157445.00	1	99159.00	17	167565.00	9	33150.00	17	167565.00	5	211200.00	17
10	-88	140	Max	103.15	-155889.00	1	99159.00	17	161840.00	9	33150.00	17	161840.00	5	211200.00	17
10	-88	140	Min.	0.00	-231278.00	17	-5550.25	9	-3540330.00	17	-5550.25	5	-1447010.00	17	0.00	1
10	-88	140	Min.	103.15	-229256.00	17	-5550.25	9	-3438050.00	17	-5550.25	5	-1412820.00	17	0.00	1
10	140	-87	Max	0.00	-155889.00	1	99159.00	17	161840.00	9	33150.00	17	161840.00	5	211200.00	17
10	140	-87	Max	103.15	-154398.00	1	99159.00	17	156158.00	9	33150.00	17	156158.00	5	211200.00	17
10	140	-87	Min.	0.00	-229256.00	17	-5508.46	9	-3438050.00	17	-5508.46	5	-1412820.00	17	0.00	1
10	140	-87	Min.	103.15	-227317.00	17	-5508.46	9	-3335770.00	17	-5508.46	5	-1378620.00	17	0.00	1
10	-87	141	Max	0.00	-154398.00	1	97713.00	17	156158.00	9	33150.00	17	156158.00	5	211200.00	17
10	-87	141	Max	103.15	-152906.00	1	97713.00	17	150519.00	9	33150.00	17	150519.00	5	211200.00	17
10	-87	141	Min.	0.00	-227317.00	17	-5467.12	9	-3335770.00	17	-5467.12	5	-1378620.00	17	0.00	1
10	-87	141	Min.	103.15	-225378.00	17	-5467.12	9	-3234970.00	17	-5467.12	5	-1344430.00	17	0.00	1
10	141	-86	Max	0.00	-152906.00	1	97713.00	17	150519.00	9	33150.00	17	150519.00	5	211200.00	17
10	141	-86	Max	103.15	-151423.00	1	97713.00	17	144922.00	9	33150.00	17	144922.00	5	211200.00	17
10	141	-86	Min.	0.00	-225378.00	17	-5425.46	9	-3234970.00	17	-5425.46	5	-1344430.00	17	0.00	1
10	141	-86	Min.	103.15	-223450.00	17	-5425.46	9	-3134180.00	17	-5425.46	5	-1310230.00	17	0.00	1
10	-86	142	Max	0.00	-151423.00	1	96271.50	17	144920.00	9	33150.00	17	144920.00	5	211200.00	17
10	-86	142	Max	103.15	-149939.00	1	96271.50	17	139367.00	9	33150.00	17	139367.00	5	211200.00	17
10	-86	142	Min.	0.00	-223449.00	17	-5383.48	9	-3134140.00	17	-5383.48	5	-1310220.00	17	0.00	1
10	-86	142	Min.	103.15	-221521.00	17	-5383.48	9	-3034830.00	17	-5383.48	5	-1276020.00	17	0.00	1
10	142	-85	Max	0.00	-149940.00	1	96132.00	17	139369.00	9	33150.00	17	139369.00	5	211200.00	17
10	142	-85	Max	143.45	-147971.00	1	96132.00	17	131717.00	9	33150.00	17	131717.00	5	211200.00	17
10	142	-85	Min.	0.00	-221522.00	17	-5334.13	9	-3034880.00	17	-5334.13	5	-1276040.00	17	0.00	1
10	142	-85	Min.	143.45	-218962.00	17	-5334.13	9	-2896980.00	17	-5334.13	5	-1228490.00	17	0.00	1
10	-85	143	Max	0.00	-147970.00	1	94132.50	17	131715.00	9	33150.00	17	131715.00	5	211200.00	17
10	-85	143	Max	143.45	-146001.00	1	94132.50	17	124145.00	9	33150.00	17	124145.00	5	211200.00	17
10	-85	143	Min.	0.00	-218961.00	17	-5277.03	9	-2896930.00	17	-5277.03	5	-1228470.00	17	0.00	1
10	-85	143	Min.	143.45	-216401.00	17	-5277.03	9	-2761900.00	17	-5277.03	5	-1180920.00	17	0.00	1
10	143	-84	Max	0.00	-146002.00	1	94132.50	17	124148.00	9	33150.00	17	124148.00	5	211200.00	17
10	143	-84	Max	143.45	-144130.00	1	94132.50	17	116659.00	9	33150.00	17	116659.00	5	211200.00	17
10	143	-84	Min.	0.00	-216402.00	17	-5220.57	9	-2761940.00	17	-5220.57	5	-1180930.00	17	0.00	1
10	143	-84	Min.	143.45	-213969.00	17	-5220.57	9	-2626910.00	17	-5220.57	5	-1133380.00	17	0.00	1
10	-84	144	Max	0.00	-144129.00	1	92143.50	17	116656.00	9	33150.00	17	116656.00	5	211200.00	17
10	-84	144	Max	143.45	-142257.00	1	92143.50	17	109247.00	9	33150.00	17	109247.00	5	211200.00	17
10	-84	144	Min.	0.00	-213968.00	17	-5164.79	9	-2626860.00	17	-5164.79	5	-1133360.00	17	0.00	1
10	-84	144	Min.	143.45	-211534.00	17	-5164.79	9	-2494680.00	17	-5164.79	5	-1085810.00	17	0.00	1
10	144	-83	Max	0.00	-142258.00	1	92143.50	17	109250.00	9	33150.00	17	109250.00	5	211200.00	17
10	144	-83	Max	143.45	-140507.00	1	92143.50	17	101919.00	9	33150.00	17	101919.00	5	211200.00	17
10	144	-83	Min.	0.00	-211535.00	17	-5110.08	9	-2494730.00	17	-5110.08	5	-1085830.00	17	0.00	1
10	144	-83	Min.	143.45	-209259.00	17	-5110.08	9	-2362550.00	17	-5110.08	5	-1038270.00	17	0.00	1
10	-83	145	Max	0.00	-140506.00	1	90165.00	17	101917.00	9	33150.00	17	101917.00	5	211200.00	17
10	-83	145	Max	143.45	-138755.00	1	90165.00	17	94663.20	9	33150.00	17	94663.20	5	211200.00	17
10	-83	145	Min.	0.00	-209258.00	17	-5056.48	9	-2362500.00	17	-5056.48	5	-1038260.00	17	0.00	1
10	-83	145	Min.	143.45	-206981.00	17	-5056.48	9	-2233160.00	17	-5056.48	5	-990701.00	17	0.00	1
10	145	-82	Max	0.00	-138755.00	1	90165.00	17	94665.70	9	33150.00	17	94665.70	5	211200.00	17
10	145	-82	Max	143.65	-137120.00	1	90165.00	17	87477.50	9	33150.00	17	87477.50	5	211200.00	17
10	145	-82	Min.	0.00	-206982.00	17	-5003.98	9	-2233210.00	17	-5003.98	5	-990718.00	17	0.00	1
10	145	-82	Min.	143.65	-204856.00	17	-5003.98	9	-2103690.00	17	-5003.98	5	-943098.00	17	0.00	1
10	-82	146	Max	0.00	-137119.00	1	88198.50	17	87475.00	9	33150.00	17	87475.00	5	211200.00	17
10	-82	146	Max	143.65	-135484.00	1	88198.50	17	80360.50	9	33150.00	17	80360.50	5	211200.00	17
10	-82	146	Min.	0.00	-204855.00	17	-4952.62	9	-2103640.00	17	-4952.62	5	-943082.00	17	0.00	1
10	-82	146	Min.	143.65	-202730.00	17	-4952.62	9	-1976940.00	17	-4952.62	5	-895462.00	17	0.00	1
10	146	-81	Max	0.00	-135485.00	1	88198.50	17	80363.00	9	33150.00	17	80363.00	5	211200.00	17
10	146	-81	Max	143.65	-133893.00	1	88198.50	17	73322.30	9	33150.00	17	73322.30	5	211200.00	17
10	146	-81	Min.	0.00	-202730.00	17	-4901.28	9	-1976990.00	17	-4901.28	5	-895478.00	17	0.00	1
10	146	-81	Min.	143.65	-200661.00	17	-4901.28	9	-1850290.00	17	-4901.28	5	-847858.00	17	0.00	1
10	-81	147	Max	0.00	-133892.00	1	86244.00	17	73319.90	9	33150.00	17	73319.90	5	211200.00	17
10	-81	147	Max	93.65	-132854.00	1	86244.00	17	68769.50	9	33150.00	17	68769.50	5	211200.00	17
10	-81	147	Min.	0.00	-200660.00	17	-4858.92	9	-1850250.00	17	-4858.92	5	-847842.00	17	0.00	1
10	-81	147	Min.	93.65	-199311.00	17	-4858.92	9	-1769480.00	17	-4858.92	5	-816797.00	17	0.00	1
10	147	-80	Max	0.00	-132855.00	1	86244.00	17	68771.90	9	33150.00	17	68771.90	5	211200.00	17
10	147	-80	Max	143.65	-130992.00	1	86244.00	17	61859.80	9	33150.00	17	61859.80	5	211200.00	17
10	147	-80	Min.	0.00	-199311.00	17	-4811.81	9	-1769520.00	17	-4811.81	5	-816813.00	17	0.00	1
10	147	-80	Min.	143.65	-196890.00	17	-4811.81	9	-1645630.00	17	-4811.81	5	-769193.00	17	0.00	1
10	-80	148	Max	0.00	-130991.00	1	84301.50	17	61857.40	9	33150.00	17	61857.40	5	211200.00	17
10	-80	148	Max	143.65	-129128.00	1	84301.50	17	55033.20	9	33150.00	17	55033.20	5	211200.00	17
10	-80	148	Min.	0.00	-196889.00	17	-4750.55	9	-1645590.00	17	-4750.55	5	-769177.00	17	0.00	1
10	-80	148	Min.	143.65	-194467.00	17	-4750.55	9	-1524490.00	17	-4750.55	5	-721557.00	17	0.00	1
10	148	-79	Max	0.00	-129129.00	1	84301.50	17	55035.60	9	33150.00	17	55035.60	5	211200.00	17
10	148	-79	Max	143.65	-127395.00	1	84301.50	17	48297.40	9	33150.00	17	48297.40	5	211200.00	17
10	148	-79	Min.	0.00	-194468.00	17	-4690.69	9	-1524530.00	17	-4690.69	5	-721573.00	17	0.00	1
10	148	-79	Min.	143.65	-192214.00	17	-4690.69	9	-1403430.00	17	-4690.69	5	-673953.00	17	0.00	1
10	-79	149	Max	0.00	-127395.00	1	82372.50	17	48295.10	9	33150.00	17	48295.10	5	211200.00	17
10	-79	149	Max	143.65	-125661.00	1	82372.50	17	41640.80	9	33150.00	17	41640.80	5	211200.00	17
10	-79	149	Min.	0.00	-192213.00	17	-4632.27	9	-1403390.00	17	-4632.27	5	-673937.00	17	0.00	1
10	-79	149	Min.	143.65	-189959.00	17	-4632.27	9	-1285060.00	17	-4632.27	5	-626317.00	17	0.00	1
10	149	-78	Max	0.00	-125661.00	1	82372.50	17	41643.10	9	33150.00	17	41643.10	5	211200.00	17
10	149	-78	Max	143.65	-123995.00	1	82372.50	17	35072.10	9	33150.00	17	35072.10	5	211200.00	17
10	149	-78	Min.	0.00	-189960.00	17	-4574.31	9	-1285100.00	17	-4574.31	5	-626333.00	17	0.00	1
10	149	-78	Min.	143.65	-187793.00	17	-4574.31	9	-1166780.00	17	-4574.31	5	-578713.00	17	0.00	1
10	-78	150	Max	0.00	-123994.00	1	80455.50	17	35069.80	9	33150.00	17	35069.80	5	211200.00	17
10	-78	150	Max	143.65	-122328.00	1	80455.50	17	28581.40	9	33150.00	17	28581.40	5	211200.00	17
10	-78	150	Min.	0.00	-187793.00	17	-4516.83	9	-1166730.00	17	-4516.83	5	-578697.00	17	0.00	1
10	-78	150	Min.	143.65	-185626.00	17	-4516.83	9	-1051160.00	17	-4516.83	5	-531077.00	17	0.00	1
10	150	-77	Max	0.00	-122329.00	1	80455.50	17	28583.70	9	33150.00	17	28583.70	5	211200.00	17
10	150	-77	Max	109.70	-121079.00	1	80455.50	17	23684.50	9	33150.00	17	23684.50	5	211200.00	17
10	150	-77	Min.	0.00	-185627.00	17	-4465.94	9	-1051200.00	17	-4465.94	5	-531093.00	17	0.00	1
10	150	-77	Min.	109.70	-184002.00	17	-4465.94	9	-962941.00	17	-4465.94	5	-494728.00	17	0.00	1
10	-77	151	Max	0.00	-121079.00	1	79002.00	17	23684.50	9	33150.00	17	23684.50	5	211200.00	17
10	-77	151	Max	109.70	-119829.00	1	79002.00	17	18833.70	9	33150.00	17	18833.70	5	211200.00	17
10	-77	151	Min.	0.00	-184002.00	17	-4421.93	9	-962941.00	17	-4421.93	5	-494728.00	17	0.00	1
10	-77	151	Min.	109.70	-182377.00	17	-4421.93	9	-876276.00	17	-4421.93	5	-458362.00	17	0.00	1
10	151	-76	Max	0.00	-119829.00	1	79002.00	17	18833.70	9	33150.00	17	18833.70	5	211200.00	17
10	151	-76	Max	109.70	-118414.00	1	79002.00	17	14034.70	9	33150.00	17	14034.70	5	211200.00	17
10	151	-76	Min.	0.00	-182377.00	17	-4374.62	9	-876276.00	17	-4374.62	5	-458362.00	17	0.00	1
10	151	-76	Min.	109.70	-180539.00	17	-4374.62	9	-789610.00	17	-4374.62	5	-421997.00	17	0.00	1

10	-76	152	Max	0.00	-118414.00	1	77556.00	17	14034.70	9	33150.00	17	14034.70	5	211200.00	17
10	-76	152	Max	109.70	-117000.00	1	77556.00	17	9291.36	9	33150.00	17	9291.36	5	211200.00	17
10	-76	152	Min.	0.00	-180539.00	17	-4323.94	9	-789610.00	17	-4323.94	5	-421997.00	17	0.00	1
10	-76	152	Min.	109.70	-178700.00	17	-4323.94	9	-704531.00	17	-4323.94	5	-385631.00	17	0.00	1
10	152	-75	Max	0.00	-117000.00	1	77556.00	17	9291.36	9	33150.00	17	9291.36	5	211200.00	17
10	152	-75	Max	109.70	-115250.00	1	77556.00	17	4610.77	9	33150.00	17	4610.77	5	211200.00	17
10	152	-75	Min.	0.00	-178700.00	17	-4266.78	9	-704532.00	17	-4266.78	5	-385631.00	17	0.00	1
10	152	-75	Min.	109.70	-176425.00	17	-4266.78	9	-619454.00	17	-4266.78	5	-349266.00	17	0.00	1
10	-75	153	Max	0.00	-115250.00	1	76119.00	17	4610.71	9	33150.00	17	4610.71	5	211200.00	17
10	-75	153	Max	109.70	-113500.00	1	76119.00	17	0.06	13	33150.00	17	0.06	1	211200.00	17
10	-75	153	Min.	0.00	-176425.00	17	-4203.01	9	-619453.00	17	-4203.01	5	-349266.00	17	0.00	1
10	-75	153	Min.	109.70	-174150.00	17	-4203.01	9	-535949.00	17	-4203.01	5	-312900.00	17	0.00	1

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
0	Max	363	0.00	1	0.00	1	0.00	1	82288.60	17	-10077.20	1	3066.86	11	-3087.45	9	-14094.00	1
0	Max	364	0.00	1	0.00	1	0.00	1	82288.60	17	-10077.20	1	3066.86	11	-3087.45	9	-14094.00	1
0	Max	345	0.00	1	0.00	1	0.00	1	82288.60	17	-10077.20	1	3066.86	11	-3087.45	9	-14094.00	1
0	Max	344	0.00	1	0.00	1	0.00	1	82288.60	17	-10077.20	1	3066.86	11	-3087.45	9	-14094.00	1
0	Min.	363	0.00	1	0.00	1	0.00	1	64379.30	18	-15215.60	17	-34258.90	17	-7657.40	17	-32212.40	17
0	Min.	364	0.00	1	0.00	1	0.00	1	64379.30	18	-15215.60	17	-34258.90	17	-7657.40	17	-32212.40	17
0	Min.	345	0.00	1	0.00	1	0.00	1	64379.30	18	-15215.60	17	-34258.90	17	-7657.40	17	-32212.40	17
0	Min.	344	0.00	1	0.00	1	0.00	1	64379.30	18	-15215.60	17	-34258.90	17	-7657.40	17	-32212.40	17
0	Max	365	0.00	1	0.00	1	0.00	1	134810.00	17	-10089.90	9	2851.08	5	-3090.06	11	-13957.80	9
0	Max	366	0.00	1	0.00	1	0.00	1	134810.00	17	-10089.90	9	2851.08	5	-3090.06	11	-13957.80	9
0	Max	347	0.00	1	0.00	1	0.00	1	134810.00	17	-10089.90	9	2851.08	5	-3090.06	11	-13957.80	9
0	Max	346	0.00	1	0.00	1	0.00	1	134810.00	17	-10089.90	9	2851.08	5	-3090.06	11	-13957.80	9
0	Min.	365	0.00	1	0.00	1	0.00	1	72981.40	1	-20914.20	17	-29979.80	17	-7616.35	17	-44680.30	17
0	Min.	366	0.00	1	0.00	1	0.00	1	72981.40	1	-20914.20	17	-29979.80	17	-7616.35	17	-44680.30	17
0	Min.	347	0.00	1	0.00	1	0.00	1	72981.40	1	-20914.20	17	-29979.80	17	-7616.35	17	-44680.30	17
0	Min.	346	0.00	1	0.00	1	0.00	1	72981.40	1	-20914.20	17	-29979.80	17	-7616.35	17	-44680.30	17
0	Max	293	0.00	1	0.00	1	0.00	1	468427.00	17	878896.00	17	94644.40	17	123214.00	17	4378.84	17
0	Max	294	0.00	1	0.00	1	0.00	1	468427.00	17	878896.00	17	94644.40	17	123214.00	17	4378.84	17
0	Max	265	0.00	1	0.00	1	0.00	1	468427.00	17	878896.00	17	94644.40	17	123214.00	17	4378.84	17
0	Max	264	0.00	1	0.00	1	0.00	1	468427.00	17	878896.00	17	94644.40	17	123214.00	17	4378.84	17
0	Min.	293	0.00	1	0.00	1	0.00	1	152295.00	11	90533.70	11	-18187.90	1	9067.92	11	-747.10	7
0	Min.	294	0.00	1	0.00	1	0.00	1	152295.00	11	90533.70	11	-18187.90	1	9067.92	11	-747.10	7
0	Min.	265	0.00	1	0.00	1	0.00	1	152295.00	11	90533.70	11	-18187.90	1	9067.92	11	-747.10	7
0	Min.	264	0.00	1	0.00	1	0.00	1	152295.00	11	90533.70	11	-18187.90	1	9067.92	11	-747.10	7
0	Max	288	0.00	1	0.00	1	0.00	1	212386.00	17	362925.00	17	11013.30	11	36005.20	17	40746.50	17
0	Max	289	0.00	1	0.00	1	0.00	1	212386.00	17	362925.00	17	11013.30	11	36005.20	17	40746.50	17
0	Max	260	0.00	1	0.00	1	0.00	1	212386.00	17	362925.00	17	11013.30	11	36005.20	17	40746.50	17
0	Max	259	0.00	1	0.00	1	0.00	1	212386.00	17	362925.00	17	11013.30	11	36005.20	17	40746.50	17
0	Min.	288	0.00	1	0.00	1	0.00	1	152285.00	1	90543.90	1	-272671.00	17	9067.63	1	-744.21	11
0	Min.	289	0.00	1	0.00	1	0.00	1	152285.00	1	90543.90	1	-272671.00	17	9067.63	1	-744.21	11
0	Min.	260	0.00	1	0.00	1	0.00	1	152285.00	1	90543.90	1	-272671.00	17	9067.63	1	-744.21	11
0	Min.	259	0.00	1	0.00	1	0.00	1	152285.00	1	90543.90	1	-272671.00	17	9067.63	1	-744.21	11
0	Max	349	0.00	1	0.00	1	0.00	1	238699.00	17	28603.10	17	6605.29	7	70661.50	17	34476.40	17
0	Max	350	0.00	1	0.00	1	0.00	1	238699.00	17	28603.10	17	6605.29	7	70661.50	17	34476.40	17
0	Max	331	0.00	1	0.00	1	0.00	1	238699.00	17	28603.10	17	6605.29	7	70661.50	17	34476.40	17
0	Max	330	0.00	1	0.00	1	0.00	1	238699.00	17	28603.10	17	6605.29	7	70661.50	17	34476.40	17
0	Min.	349	0.00	1	0.00	1	0.00	1	89482.90	11	-4757.61	11	-3753.82	17	18085.30	11	11132.40	11
0	Min.	350	0.00	1	0.00	1	0.00	1	89482.90	11	-4757.61	11	-3753.82	17	18085.30	11	11132.40	11
0	Min.	331	0.00	1	0.00	1	0.00	1	89482.90	11	-4757.61	11	-3753.82	17	18085.30	11	11132.40	11
0	Min.	330	0.00	1	0.00	1	0.00	1	89482.90	11	-4757.61	11	-3753.82	17	18085.30	11	11132.40	11
0	Max	355	0.00	1	0.00	1	0.00	1	81609.50	1	-5974.88	18	32895.30	17	-890.73	17	4221.59	17
0	Max	356	0.00	1	0.00	1	0.00	1	81609.50	1	-5974.88	18	32895.30	17	-890.73	17	4221.59	17
0	Max	337	0.00	1	0.00	1	0.00	1	81609.50	1	-5974.88	18	32895.30	17	-890.73	17	4221.59	17
0	Max	336	0.00	1	0.00	1	0.00	1	81609.50	1	-5974.88	18	32895.30	17	-890.73	17	4221.59	17
0	Min.	355	0.00	1	0.00	1	0.00	1	55467.80	18	-11170.20	9	-609.79	5	-3458.54	11	-16986.00	9
0	Min.	356	0.00	1	0.00	1	0.00	1	55467.80	18	-11170.20	9	-609.79	5	-3458.54	11	-16986.00	9
0	Min.	337	0.00	1	0.00	1	0.00	1	55467.80	18	-11170.20	9	-609.79	5	-3458.54	11	-16986.00	9
0	Min.	336	0.00	1	0.00	1	0.00	1	55467.80	18	-11170.20	9	-609.79	5	-3458.54	11	-16986.00	9
0	Max	360	0.00	1	0.00	1	0.00	1	81437.90	5	-3040.18	17	-1612.19	1	-1704.30	18	16891.00	11
0	Max	361	0.00	1	0.00	1	0.00	1	81437.90	5	-3040.18	17	-1612.19	1	-1704.30	18	16891.00	11
0	Max	342	0.00	1	0.00	1	0.00	1	81437.90	5	-3040.18	17	-1612.19	1	-1704.30	18	16891.00	11
0	Max	341	0.00	1	0.00	1	0.00	1	81437.90	5	-3040.18	17	-1612.19	1	-1704.30	18	16891.00	11
0	Min.	360	0.00	1	0.00	1	0.00	1	30311.80	18	-11097.50	11	-19749.50	17	-3895.80	9	-7583.38	17
0	Min.	361	0.00	1	0.00	1	0.00	1	30311.80	18	-11097.50	11	-19749.50	17	-3895.80	9	-7583.38	17
0	Min.	342	0.00	1	0.00	1	0.00	1	30311.80	18	-11097.50	11	-19749.50	17	-3895.80	9	-7583.38	17
0	Min.	341	0.00	1	0.00	1	0.00	1	30311.80	18	-11097.50	11	-19749.50	17	-3895.80	9	-7583.38	17
0	Max	284	0.00	1	0.00	1	0.00	1	179025.00	11	165899.00	5	11120.80	9	19864.50	11	11094.30	17
0	Max	285	0.00	1	0.00	1	0.00	1	179025.00	11	165899.00	5	11120.80	9	19864.50	11	11094.30	17
0	Max	256	0.00	1	0.00	1	0.00	1	179025.00	11	165899.00	5	11120.80	9	19864.50	11	11094.30	17
0	Max	255	0.00	1	0.00	1	0.00	1	179025.00	11	165899.00	5	11120.80	9	19864.50	11	11094.30	17
0	Min.	284	0.00	1	0.00	1	0.00	1	-20643.20	17	-443899.00	17	-183622.00	17	-73877.10	17	-694.64	1
0	Min.	285	0.00	1	0.00	1	0.00	1	-20643.20	17	-443899.00	17	-183622.00	17	-73877.10	17	-694.64	1
0	Min.	256	0.00	1	0.00	1	0.00	1	-20643.20	17	-443899.00	17	-183622.00	17	-73877.10	17	-694.64	1
0	Min.	255	0.00	1	0.00	1	0.00	1	-20643.20	17	-443899.00	17	-183622.00	17	-73877.10	17	-694.64	1
0	Max	279	0.00	1	0.00	1	0.00	1	179036.00	1	165887.00	9	217104.00	17	19864.70	1	3473.47	11
0	Max	280	0.00	1	0.00	1	0.00	1	179036.00	1	165887.00	9	217104.00	17	19864.70	1	3473.47	11
0	Max	251	0.00	1	0.00	1	0.00	1	179036.00	1	165887.00	9	217104.00	17	19864.70	1	3473.47	11
0	Max	250	0.00	1	0.00	1	0.00	1	179036.00	1	165887.00	9	217104.00	17	19864.70	1	3473.47	11
0	Min.	279	0.00	1	0.00	1	0.00	1	118708.00	18	-231572.00	17	-18298.50	5	-28025.70	17	-36437.90	17

0	Min.	280	0.00	1	0.00	1	0.00	1	118708.00	18	-231572.00	17	-18298.50	5	-28025.70	17	-36437.90	17
0	Min.	251	0.00	1	0.00	1	0.00	1	118708.00	18	-231572.00	17	-18298.50	5	-28025.70	17	-36437.90	17
0	Min.	250	0.00	1	0.00	1	0.00	1	118708.00	18	-231572.00	17	-18298.50	5	-28025.70	17	-36437.90	17
0	Max	287	0.00	1	0.00	1	0.00	1	179191.00	5	169298.00	7	11990.10	11	20375.90	7	37976.60	17
0	Max	288	0.00	1	0.00	1	0.00	1	179191.00	5	169298.00	7	11990.10	11	20375.90	7	37976.60	17
0	Max	259	0.00	1	0.00	1	0.00	1	179191.00	5	169298.00	7	11990.10	11	20375.90	7	37976.60	17
0	Max	258	0.00	1	0.00	1	0.00	1	179191.00	5	169298.00	7	11990.10	11	20375.90	7	37976.60	17
0	Min.	287	0.00	1	0.00	1	0.00	1	110653.00	18	89327.20	1	-290535.00	17	3183.35	17	-717.62	9
0	Min.	288	0.00	1	0.00	1	0.00	1	110653.00	18	89327.20	1	-290535.00	17	3183.35	17	-717.62	9
0	Min.	259	0.00	1	0.00	1	0.00	1	110653.00	18	89327.20	1	-290535.00	17	3183.35	17	-717.62	9
0	Min.	258	0.00	1	0.00	1	0.00	1	110653.00	18	89327.20	1	-290535.00	17	3183.35	17	-717.62	9
0	Max	282	0.00	1	0.00	1	0.00	1	179180.00	9	169310.00	11	11933.50	1	20375.70	11	3496.41	5
0	Max	283	0.00	1	0.00	1	0.00	1	179180.00	9	169310.00	11	11933.50	1	20375.70	11	3496.41	5
0	Max	254	0.00	1	0.00	1	0.00	1	179180.00	9	169310.00	11	11933.50	1	20375.70	11	3496.41	5
0	Max	253	0.00	1	0.00	1	0.00	1	179180.00	9	169310.00	11	11933.50	1	20375.70	11	3496.41	5
0	Min.	282	0.00	1	0.00	1	0.00	1	-16705.50	17	-562871.00	17	-19165.20	7	-84017.70	17	-13084.40	17
0	Min.	283	0.00	1	0.00	1	0.00	1	-16705.50	17	-562871.00	17	-19165.20	7	-84017.70	17	-13084.40	17
0	Min.	254	0.00	1	0.00	1	0.00	1	-16705.50	17	-562871.00	17	-19165.20	7	-84017.70	17	-13084.40	17
0	Min.	253	0.00	1	0.00	1	0.00	1	-16705.50	17	-562871.00	17	-19165.20	7	-84017.70	17	-13084.40	17
0	Max	281	0.00	1	0.00	1	0.00	1	179506.00	9	168508.00	9	69979.80	17	20429.30	9	3512.55	5
0	Max	282	0.00	1	0.00	1	0.00	1	179506.00	9	168508.00	9	69979.80	17	20429.30	9	3512.55	5
0	Max	253	0.00	1	0.00	1	0.00	1	179506.00	9	168508.00	9	69979.80	17	20429.30	9	3512.55	5
0	Max	252	0.00	1	0.00	1	0.00	1	179506.00	9	168508.00	9	69979.80	17	20429.30	9	3512.55	5
0	Min.	281	0.00	1	0.00	1	0.00	1	20523.90	17	-515892.00	17	-18509.40	7	-73873.50	17	-23604.80	17
0	Min.	282	0.00	1	0.00	1	0.00	1	20523.90	17	-515892.00	17	-18509.40	7	-73873.50	17	-23604.80	17
0	Min.	253	0.00	1	0.00	1	0.00	1	20523.90	17	-515892.00	17	-18509.40	7	-73873.50	17	-23604.80	17
0	Min.	252	0.00	1	0.00	1	0.00	1	20523.90	17	-515892.00	17	-18509.40	7	-73873.50	17	-23604.80	17
0	Max	316	0.00	1	0.00	1	0.00	1	133317.00	17	51662.10	1	134404.00	17	20006.20	1	1751.23	11
0	Max	317	0.00	1	0.00	1	0.00	1	133317.00	17	51662.10	1	134404.00	17	20006.20	1	1751.23	11
0	Max	298	0.00	1	0.00	1	0.00	1	133317.00	17	51662.10	1	134404.00	17	20006.20	1	1751.23	11
0	Max	297	0.00	1	0.00	1	0.00	1	133317.00	17	51662.10	1	134404.00	17	20006.20	1	1751.23	11
0	Min.	316	0.00	1	0.00	1	0.00	1	103697.00	18	18776.60	18	-4832.40	11	10820.10	18	-14587.10	17
0	Min.	317	0.00	1	0.00	1	0.00	1	103697.00	18	18776.60	18	-4832.40	11	10820.10	18	-14587.10	17
0	Min.	298	0.00	1	0.00	1	0.00	1	103697.00	18	18776.60	18	-4832.40	11	10820.10	18	-14587.10	17
0	Min.	297	0.00	1	0.00	1	0.00	1	103697.00	18	18776.60	18	-4832.40	11	10820.10	18	-14587.10	17
0	Max	332	0.00	1	0.00	1	0.00	1	302356.00	17	196989.00	17	75142.50	17	68789.30	17	1698.99	1
0	Max	333	0.00	1	0.00	1	0.00	1	302356.00	17	196989.00	17	75142.50	17	68789.30	17	1698.99	1
0	Max	314	0.00	1	0.00	1	0.00	1	302356.00	17	196989.00	17	75142.50	17	68789.30	17	1698.99	1
0	Max	313	0.00	1	0.00	1	0.00	1	302356.00	17	196989.00	17	75142.50	17	68789.30	17	1698.99	1
0	Min.	332	0.00	1	0.00	1	0.00	1	112308.00	11	34919.70	5	-4334.70	9	14643.50	11	-4457.20	17
0	Min.	333	0.00	1	0.00	1	0.00	1	112308.00	11	34919.70	5	-4334.70	9	14643.50	11	-4457.20	17
0	Min.	314	0.00	1	0.00	1	0.00	1	112308.00	11	34919.70	5	-4334.70	9	14643.50	11	-4457.20	17
0	Min.	313	0.00	1	0.00	1	0.00	1	112308.00	11	34919.70	5	-4334.70	9	14643.50	11	-4457.20	17
0	Max	308	0.00	1	0.00	1	0.00	1	274318.00	17	304826.00	17	5586.31	5	52100.00	17	28331.90	17
0	Max	309	0.00	1	0.00	1	0.00	1	274318.00	17	304826.00	17	5586.31	5	52100.00	17	28331.90	17
0	Max	290	0.00	1	0.00	1	0.00	1	274318.00	17	304826.00	17	5586.31	5	52100.00	17	28331.90	17
0	Max	289	0.00	1	0.00	1	0.00	1	274318.00	17	304826.00	17	5586.31	5	52100.00	17	28331.90	17
0	Min.	308	0.00	1	0.00	1	0.00	1	132890.00	1	67792.90	9	-161333.00	17	11706.80	1	-660.24	11
0	Min.	309	0.00	1	0.00	1	0.00	1	132890.00	1	67792.90	9	-161333.00	17	11706.80	1	-660.24	11
0	Min.	290	0.00	1	0.00	1	0.00	1	132890.00	1	67792.90	9	-161333.00	17	11706.80	1	-660.24	11
0	Min.	289	0.00	1	0.00	1	0.00	1	132890.00	1	67792.90	9	-161333.00	17	11706.80	1	-660.24	11
0	Max	334	0.00	1	0.00	1	0.00	1	231868.00	17	120805.00	17	128794.00	17	45226.70	17	1751.86	9
0	Max	275	0.00	1	0.00	1	0.00	1	231868.00	17	120805.00	17	128794.00	17	45226.70	17	1751.86	9
0	Max	274	0.00	1	0.00	1	0.00	1	231868.00	17	120805.00	17	128794.00	17	45226.70	17	1751.86	9
0	Max	315	0.00	1	0.00	1	0.00	1	231868.00	17	120805.00	17	128794.00	17	45226.70	17	1751.86	9
0	Min.	334	0.00	1	0.00	1	0.00	1	111443.00	5	34104.50	5	-4902.91	9	14334.70	5	-12043.40	17
0	Min.	275	0.00	1	0.00	1	0.00	1	111443.00	5	34104.50	5	-4902.91	9	14334.70	5	-12043.40	17
0	Min.	274	0.00	1	0.00	1	0.00	1	111443.00	5	34104.50	5	-4902.91	9	14334.70	5	-12043.40	17
0	Min.	315	0.00	1	0.00	1	0.00	1	111443.00	5	34104.50	5	-4902.91	9	14334.70	5	-12043.40	17
0	Max	338	0.00	1	0.00	1	0.00	1	101542.00	9	-983.99	9	40392.00	17	23323.00	9	-1129.22	17
0	Max	339	0.00	1	0.00	1	0.00	1	101542.00	9	-983.99	9	40392.00	17	23323.00	9	-1129.22	17
0	Max	320	0.00	1	0.00	1	0.00	1	101542.00	9	-983.99	9	40392.00	17	23323.00	9	-1129.22	17
0	Max	319	0.00	1	0.00	1	0.00	1	101542.00	9	-983.99	9	40392.00	17	23323.00	9	-1129.22	17
0	Min.	338	0.00	1	0.00	1	0.00	1	26621.60	17	-34367.80	17	-10239.90	5	-15276.80	17	-12313.90	9
0	Min.	339	0.00	1	0.00	1	0.00	1	26621.60	17	-34367.80	17	-10239.90	5	-15276.80	17	-12313.90	9
0	Min.	320	0.00	1	0.00	1	0.00	1	26621.60	17	-34367.80	17	-10239.90	5	-15276.80	17	-12313.90	9
0	Min.	319	0.00	1	0.00	1	0.00	1	26621.60	17	-34367.80	17	-10239.90	5	-15276.80	17	-12313.90	9
0	Max	340	0.00	1	0.00	1	0.00	1	101518.00	11	-1002.74	11	-75.10	1	23295.80	11	2118.86	17
0	Max	341	0.00	1	0.00	1	0.00	1	101518.00	11	-1002.74	11	-75.10	1	23295.80	11	2118.86	17
0	Max	322	0.00	1	0.00	1	0.00	1	101518.00	11	-1002.74	11	-75.10	1	23295.80	11	2118.86	17
0	Max	321	0.00	1	0.00	1	0.00	1	101518.00	11	-1002.74	11	-75.10	1	23295.80	11	2118.86	17
0	Min.	340	0.00	1	0.00	1	0.00	1	13360.40	17	-35285.60	17	-15960.70	17	-16297.10	17	-12315.40	11
0	Min.	341	0.00	1	0.00	1	0.00	1	13360.40	17	-35285.60	17	-15960.70	17	-16297.10	17	-12315.40	11
0	Min.	322	0.00	1	0.00	1	0.00	1	13360.40	17	-35285.60	17	-15960.70	17	-16297.10	17	-12315.40	11
0	Min.	321	0.00	1	0.00	1	0.00	1	13360.40	17	-35285.60	17	-15960.70	17	-16297.10	17	-12315.40	11
0	Max	280	0.00	1	0.00	1	0.00	1	178479.00	9	169159.00	9	151197.00	17	20326.10	9	3326.64	5
0	Max	281	0.00	1	0.00	1	0.00	1	178479.00	9	169159.00	9	151197.00	17	20326.10	9	3326.64	5
0	Max	252	0.00	1	0.00	1	0.00	1	178479.00	9	169159.00	9	151197.00	17	20326.10	9	3326.64	5
0	Max	251	0.00	1	0.00	1	0.00	1	178479.00	9	169159.00	9	151197.00	17	20326.10	9	3326.64	5
0	Min.	280	0.00	1	0.00	1	0.00	1	71714.50	18	-401747.00	17	-19172.80	5	-54580.30	17	-31644.30	17
0	Min.	281	0.00	1	0.00	1	0.00	1	71714.50	18	-401747.00	17	-19172.80	5	-54580.30	17	-31644.30	17
0	Min.	252	0.00	1	0.00	1	0.00	1	71714.50	18	-401747.00	17	-19172.80	5	-54580.30	17	-31644.30	17
0	Min.	251	0.00	1	0.00	1	0.00	1	71714.50	18	-401747.00	17	-19172.80	5	-54580.30	17	-31644.30	17
0	Max	321	0.00	1	0.00	1	0.00	1	128424.00	11	52160.80	11	685.04	1	20031.10	11	2353.00	17
0	Max	322	0.00	1	0.00	1	0.00	1	128424.00	11	52160.80	11	685.04	1	20031.10	11	2353.00	17
0	Max	303	0.00	1	0.00	1	0.00	1	128424.00	11	52160.80	11	685.04	1	20031.10	11	2353.00	17
0	Max	302	0.00	1	0.00	1	0.00	1	128424.00	11	52160.80	11	685.04	1	20031.10	11	2353.00	17
0	Min.	321	0.00	1	0.00	1	0.00	1	-1632.99	17	-102768.00	17	-27293.10	17	-29081.40	17	-781.49	1
0	Min.	322	0.00	1	0.00	1	0.00	1	-1632.99	17	-102768.00	17	-27293.10	17	-29081.40	17	-781.49	1
0	Min.	303	0.00	1	0.00	1	0.00	1	-1632.99	17	-102768.00	17	-27293.10	17	-29081.40	17	-781.49	1
0	Min.	302	0.00	1	0.00	1	0.00	1	-1632.99	17	-102768.00	17	-27293.10	17	-29081.40	17	-781.49	1
0	Max	326	0.00	1	0.00	1	0.00	1	183483.00	17	92532.40	17	9551.63	11	32180.90	17	16905.30	17
0	Max	327	0.00	1	0.00	1	0.00	1	183483.00	17	92532.40	17	9551.63	11	32180.90	17	16905.30	17
0	Max	308	0.00	1	0.00	1	0.00	1	183483.00	17	92532.40	17	9551.63	11	32180.90	17	16905.30	17
0	Max	307	0.00	1	0.00	1	0.00	1	183483.00	17	92532.40	17	9551.63	11	32180.90	17	16905.30	17
0	Min.	326	0.00	1	0.00	1	0.00	1	111491.00	1	34180.70	1	-128362.00	17	14354.00	1	31.59	11
0	Min.	327	0.00	1	0.00	1	0.00	1	111491.00	1	34180.70	1	-128362.00	17	14354.00	1	31.59	11
0	Min.	308	0.00	1	0.00	1	0.00	1	111491.00	1	34180.70	1	-128362.00	17	14354.00	1	31.59	11
0	Min.	307	0.00	1	0.00	1	0.00	1	111491.00	1	34180.70	1	-128362.00	17	14354.00	1	31.59	11
0	Max	311	0.00	1	0.00	1	0.00	1	393875.00	17	476296.00	17	7848.42	7	88299.30	17	7318.14	17
0	Max	312	0.00	1	0.00	1	0.00	1	393875.00	17	476296.00	17	7848.42	7	88299.30	17	7318.14	17
0	Max	293	0.00	1	0.00	1	0.00	1	393875.00	17	476296.00	17	7848.42	7	88299.30	17	7318.14	17
0	Max	292	0.00	1	0.00	1	0.00	1	393875.00	17	476296.00	17	7848.42	7	88299.30	17	7318.14	17
0	Min.	311	0.00	1	0.00	1	0.00	1	132323.00	11	65823.30	11	-16743.30	17	11348.50	11	-988.82	7
0	Min.	312	0.00	1	0.00	1	0.00	1	132323.00	11	65823.30	11	-16743.30	17	11348.50	11	-988.82	7

0	Min.	293	0.00	1	0.00	1	0.00	1	132323.00	11	65823.30	11	-16743.30	17	11348.50	11	-988.82	7
0	Min.	292	0.00	1	0.00	1	0.00	1	132323.00	11	65823.30	11	-16743.30	17	11348.50	11	-988.82	7
0	Max	306	0.00	1	0.00	1	0.00	1	154478.00	7	105624.00	7	6573.03	11	18783.90	7	29665.30	17
0	Max	307	0.00	1	0.00	1	0.00	1	154478.00	7	105624.00	7	6573.03	11	18783.90	7	29665.30	17
0	Max	288	0.00	1	0.00	1	0.00	1	154478.00	7	105624.00	7	6573.03	11	18783.90	7	29665.30	17
0	Max	287	0.00	1	0.00	1	0.00	1	154478.00	7	105624.00	7	6573.03	11	18783.90	7	29665.30	17
0	Min.	306	0.00	1	0.00	1	0.00	1	114923.00	18	65922.70	1	-186626.00	17	8522.72	18	-720.90	11
0	Min.	307	0.00	1	0.00	1	0.00	1	114923.00	18	65922.70	1	-186626.00	17	8522.72	18	-720.90	11
0	Min.	288	0.00	1	0.00	1	0.00	1	114923.00	18	65922.70	1	-186626.00	17	8522.72	18	-720.90	11
0	Min.	287	0.00	1	0.00	1	0.00	1	114923.00	18	65922.70	1	-186626.00	17	8522.72	18	-720.90	11
0	Max	301	0.00	1	0.00	1	0.00	1	154615.00	11	105488.00	11	10820.30	17	18798.40	11	2131.53	7
0	Max	302	0.00	1	0.00	1	0.00	1	154615.00	11	105488.00	11	10820.30	17	18798.40	11	2131.53	7
0	Max	283	0.00	1	0.00	1	0.00	1	154615.00	11	105488.00	11	10820.30	17	18798.40	11	2131.53	7
0	Max	282	0.00	1	0.00	1	0.00	1	154615.00	11	105488.00	11	10820.30	17	18798.40	11	2131.53	7
0	Min.	301	0.00	1	0.00	1	0.00	1	-15591.90	17	-251332.00	17	-12042.10	7	-48462.20	17	-5896.97	17
0	Min.	302	0.00	1	0.00	1	0.00	1	-15591.90	17	-251332.00	17	-12042.10	7	-48462.20	17	-5896.97	17
0	Min.	283	0.00	1	0.00	1	0.00	1	-15591.90	17	-251332.00	17	-12042.10	7	-48462.20	17	-5896.97	17
0	Min.	282	0.00	1	0.00	1	0.00	1	-15591.90	17	-251332.00	17	-12042.10	7	-48462.20	17	-5896.97	17
0	Max	274	0.00	1	0.00	1	0.00	1	232003.00	17	139638.00	17	177426.00	17	29759.00	17	2392.59	11
0	Max	297	0.00	1	0.00	1	0.00	1	232003.00	17	139638.00	17	177426.00	17	29759.00	17	2392.59	11
0	Max	278	0.00	1	0.00	1	0.00	1	232003.00	17	139638.00	17	177426.00	17	29759.00	17	2392.59	11
0	Max	273	0.00	1	0.00	1	0.00	1	232003.00	17	139638.00	17	177426.00	17	29759.00	17	2392.59	11
0	Min.	274	0.00	1	0.00	1	0.00	1	132226.00	7	65922.70	7	-13273.00	11	11338.20	7	-27552.60	17
0	Min.	297	0.00	1	0.00	1	0.00	1	132226.00	7	65922.70	7	-13273.00	11	11338.20	7	-27552.60	17
0	Min.	278	0.00	1	0.00	1	0.00	1	132226.00	7	65922.70	7	-13273.00	11	11338.20	7	-27552.60	17
0	Min.	273	0.00	1	0.00	1	0.00	1	132226.00	7	65922.70	7	-13273.00	11	11338.20	7	-27552.60	17
0	Max	292	0.00	1	0.00	1	0.00	1	454216.00	17	903729.00	17	11933.50	7	123213.00	17	16335.30	17
0	Max	293	0.00	1	0.00	1	0.00	1	454216.00	17	903729.00	17	11933.50	7	123213.00	17	16335.30	17
0	Max	264	0.00	1	0.00	1	0.00	1	454216.00	17	903729.00	17	11933.50	7	123213.00	17	16335.30	17
0	Max	263	0.00	1	0.00	1	0.00	1	454216.00	17	903729.00	17	11933.50	7	123213.00	17	16335.30	17
0	Min.	292	0.00	1	0.00	1	0.00	1	152637.00	9	89337.20	11	-19165.20	1	9089.29	11	-714.70	5
0	Min.	293	0.00	1	0.00	1	0.00	1	152637.00	9	89337.20	11	-19165.20	1	9089.29	11	-714.70	5
0	Min.	264	0.00	1	0.00	1	0.00	1	152637.00	9	89337.20	11	-19165.20	1	9089.29	11	-714.70	5
0	Min.	263	0.00	1	0.00	1	0.00	1	152637.00	9	89337.20	11	-19165.20	1	9089.29	11	-714.70	5
0	Max	297	0.00	1	0.00	1	0.00	1	165766.00	17	105059.00	1	174776.00	17	18793.90	1	2172.47	11
0	Max	298	0.00	1	0.00	1	0.00	1	165766.00	17	105059.00	1	174776.00	17	18793.90	1	2172.47	11
0	Max	279	0.00	1	0.00	1	0.00	1	165766.00	17	105059.00	1	174776.00	17	18793.90	1	2172.47	11
0	Max	278	0.00	1	0.00	1	0.00	1	165766.00	17	105059.00	1	174776.00	17	18793.90	1	2172.47	11
0	Min.	297	0.00	1	0.00	1	0.00	1	128134.00	18	26528.80	17	-11825.40	11	7186.25	18	-28595.10	17
0	Min.	298	0.00	1	0.00	1	0.00	1	128134.00	18	26528.80	17	-11825.40	11	7186.25	18	-28595.10	17
0	Min.	279	0.00	1	0.00	1	0.00	1	128134.00	18	26528.80	17	-11825.40	11	7186.25	18	-28595.10	17
0	Min.	278	0.00	1	0.00	1	0.00	1	128134.00	18	26528.80	17	-11825.40	11	7186.25	18	-28595.10	17
0	Max	320	0.00	1	0.00	1	0.00	1	128898.00	11	51814.50	11	12099.40	17	20019.00	11	1719.21	7
0	Max	321	0.00	1	0.00	1	0.00	1	128898.00	11	51814.50	11	12099.40	17	20019.00	11	1719.21	7
0	Max	302	0.00	1	0.00	1	0.00	1	128898.00	11	51814.50	11	12099.40	17	20019.00	11	1719.21	7
0	Max	301	0.00	1	0.00	1	0.00	1	128898.00	11	51814.50	11	12099.40	17	20019.00	11	1719.21	7
0	Min.	320	0.00	1	0.00	1	0.00	1	-1058.46	17	-106917.00	17	-5012.09	7	-29506.80	17	-2956.30	17
0	Min.	321	0.00	1	0.00	1	0.00	1	-1058.46	17	-106917.00	17	-5012.09	7	-29506.80	17	-2956.30	17
0	Min.	302	0.00	1	0.00	1	0.00	1	-1058.46	17	-106917.00	17	-5012.09	7	-29506.80	17	-2956.30	17
0	Min.	301	0.00	1	0.00	1	0.00	1	-1058.46	17	-106917.00	17	-5012.09	7	-29506.80	17	-2956.30	17
0	Max	325	0.00	1	0.00	1	0.00	1	128902.00	17	52394.80	7	611.90	11	20044.50	7	15481.20	17
0	Max	326	0.00	1	0.00	1	0.00	1	128902.00	17	52394.80	7	611.90	11	20044.50	7	15481.20	17
0	Max	307	0.00	1	0.00	1	0.00	1	128902.00	17	52394.80	7	611.90	11	20044.50	7	15481.20	17
0	Max	306	0.00	1	0.00	1	0.00	1	128902.00	17	52394.80	7	611.90	11	20044.50	7	15481.20	17
0	Min.	325	0.00	1	0.00	1	0.00	1	100689.00	18	34449.90	1	-141900.00	17	12673.20	18	-775.47	11
0	Min.	326	0.00	1	0.00	1	0.00	1	100689.00	18	34449.90	1	-141900.00	17	12673.20	18	-775.47	11
0	Min.	307	0.00	1	0.00	1	0.00	1	100689.00	18	34449.90	1	-141900.00	17	12673.20	18	-775.47	11
0	Min.	306	0.00	1	0.00	1	0.00	1	100689.00	18	34449.90	1	-141900.00	17	12673.20	18	-775.47	11
0	Max	333	0.00	1	0.00	1	0.00	1	274072.00	17	161900.00	17	85017.00	17	58815.90	17	894.68	9
0	Max	334	0.00	1	0.00	1	0.00	1	274072.00	17	161900.00	17	85017.00	17	58815.90	17	894.68	9
0	Max	315	0.00	1	0.00	1	0.00	1	274072.00	17	161900.00	17	85017.00	17	58815.90	17	894.68	9
0	Max	314	0.00	1	0.00	1	0.00	1	274072.00	17	161900.00	17	85017.00	17	58815.90	17	894.68	9
0	Min.	333	0.00	1	0.00	1	0.00	1	111182.00	5	34489.30	5	-13819.80	9	14383.20	5	-10851.80	17
0	Min.	334	0.00	1	0.00	1	0.00	1	111182.00	5	34489.30	5	-13819.80	9	14383.20	5	-10851.80	17
0	Min.	315	0.00	1	0.00	1	0.00	1	111182.00	5	34489.30	5	-13819.80	9	14383.20	5	-10851.80	17
0	Min.	314	0.00	1	0.00	1	0.00	1	111182.00	5	34489.30	5	-13819.80	9	14383.20	5	-10851.80	17
0	Max	312	0.00	1	0.00	1	0.00	1	396655.00	17	467298.00	17	36323.90	17	87947.90	17	2440.77	1
0	Max	313	0.00	1	0.00	1	0.00	1	396655.00	17	467298.00	17	36323.90	17	87947.90	17	2440.77	1
0	Max	294	0.00	1	0.00	1	0.00	1	396655.00	17	467298.00	17	36323.90	17	87947.90	17	2440.77	1
0	Max	293	0.00	1	0.00	1	0.00	1	396655.00	17	467298.00	17	36323.90	17	87947.90	17	2440.77	1
0	Min.	312	0.00	1	0.00	1	0.00	1	132002.00	11	66366.80	11	-13096.40	1	11340.40	11	-1101.34	17
0	Min.	313	0.00	1	0.00	1	0.00	1	132002.00	11	66366.80	11	-13096.40	1	11340.40	11	-1101.34	17
0	Min.	294	0.00	1	0.00	1	0.00	1	132002.00	11	66366.80	11	-13096.40	1	11340.40	11	-1101.34	17
0	Min.	293	0.00	1	0.00	1	0.00	1	132002.00	11	66366.80	11	-13096.40	1	11340.40	11	-1101.34	17
0	Max	336	0.00	1	0.00	1	0.00	1	101005.00	1	-1097.00	9	78736.60	17	23179.60	9	-7892.65	18
0	Max	337	0.00	1	0.00	1	0.00	1	101005.00	1	-1097.00	9	78736.60	17	23179.60	9	-7892.65	18
0	Max	318	0.00	1	0.00	1	0.00	1	101005.00	1	-1097.00	9	78736.60	17	23179.60	9	-7892.65	18
0	Max	317	0.00	1	0.00	1	0.00	1	101005.00	1	-1097.00	9	78736.60	17	23179.60	9	-7892.65	18
0	Min.	336	0.00	1	0.00	1	0.00	1	63570.40	18	-21698.80	17	-9840.63	11	2049.08	17	-12273.30	1
0	Min.	337	0.00	1	0.00	1	0.00	1	63570.40	18	-21698.80	17	-9840.63	11	2049.08	17	-12273.30	1
0	Min.	318	0.00	1	0.00	1	0.00	1	63570.40	18	-21698.80	17	-9840.63	11	2049.08	17	-12273.30	1
0	Min.	317	0.00	1	0.00	1	0.00	1	63570.40	18	-21698.80	17	-9840.63	11	2049.08	17	-12273.30	1
0	Max	303	0.00	1	0.00	1	0.00	1	153913.00	11	103603.00	5	6904.97	9	18425.20	11	12214.90	17
0	Max	304	0.00	1	0.00	1	0.00	1	153913.00	11	103603.00	5	6904.97	9	18425.20	11	12214.90	17
0	Max	285	0.00	1	0.00	1	0.00	1	153913.00	11	103603.00	5	6904.97	9	18425.20	11	12214.90	17
0	Max	284	0.00	1	0.00	1	0.00	1	153913.00	11	103603.00	5	6904.97	9	18425.20	11	12214.90	17
0	Min.	303	0.00	1	0.00	1	0.00	1	-1145.19	17	-198209.00	17	-99027.00	17	-41119.90	17	-914.08	1
0	Min.	304	0.00	1	0.00	1	0.00	1	-1145.19	17	-198209.00	17	-99027.00	17	-41119.90	17	-914.08	1
0	Min.	285	0.00	1	0.00	1	0.00	1	-1145.19	17	-198209.00	17	-99027.00	17	-41119.90	17	-914.08	1
0	Min.	284	0.00	1	0.00	1	0.00	1	-1145.19	17	-198209.00	17	-99027.00	17	-41119.90	17	-914.08	1
0	Max	346	0.00	1	0.00	1	0.00	1	173638.00	17	14493.90	17	-460.01	11	52774.50	17	-10501.10	1
0	Max	347	0.00	1	0.00	1	0.00	1	173638.00	17	14493.90	17	-460.01	11	52774.50	17	-10501.10	1
0	Max	328	0.00	1	0.00	1	0.00	1	173638.00	17	14493.90	17	-460.01	11	52774.50	17	-10501.10	1
0	Max	327	0.00	1	0.00	1	0.00	1	173638.00	17	14493.90	17	-460.01	11	52774.50	17	-10501.10	1
0	Min.	346	0.00	1	0.00	1	0.00	1	89752.20	1	-4376.85	9	-92243.80	17	18625.80	9	-20146.80	17
0	Min.	347	0.00	1	0.00	1	0.00	1	89752.20	1	-4376.85	9	-92243.80	17	18625.80	9	-20146.80	17
0	Min.	328	0.00	1	0.00	1	0.00	1	89752.20	1	-4376.85	9	-92243.80	17	18625.80	9	-20146.80	17
0	Min.	327	0.00	1	0.00	1	0.00	1	89752.20	1	-4376.85	9	-92243.80	17	18625.80	9	-20146.80	17
0	Max	348	0.00	1	0.00	1	0.00	1	224737.00	17	27162.70	17	-60.38	5	70100.50	17	-10460.60	9
0	Max	349	0.00	1	0.00	1	0.00	1	224737.00	17	27162.70	17	-60.38	5	70100.50	17	-10460.60	9
0	Max	330	0.00	1	0.00	1	0.00	1	224737.00	17	27162.70	17	-60.38	5	70100.50	17	-10460.60	9
0	Max	329	0.00	1	0.00	1	0.00	1	224737.00	17	27162.70	17	-60.38	5	70100.50	17	-10460.60	9
0	Min.	348	0.00	1	0.00	1	0.00	1	89215.10	9	-4490.00	9	-53898.90	17	18482.50	9	-28651.10	17
0	Min.	349	0.00	1	0.00	1	0.00	1	89215.10	9	-4490.00	9	-53898.90	17	18482.50	9	-28651.10	17
0	Min.	330	0.00	1	0.00	1	0.00	1	89215.10	9	-4490.00	9	-53898.90	17	18482.50	9	-28651.10	17

0	Min.	329	0.00	1	0.00	1	0.00	1	89215.10	9	-4490.00	9	-53898.90	17	18482.50	9	-28651.10	17
0	Max	354	0.00	1	0.00	1	0.00	1	81653.00	1	-9941.70	7	31449.20	17	-3479.82	11	30230.60	17
0	Max	355	0.00	1	0.00	1	0.00	1	81653.00	1	-9941.70	7	31449.20	17	-3479.82	11	30230.60	17
0	Max	336	0.00	1	0.00	1	0.00	1	81653.00	1	-9941.70	7	31449.20	17	-3479.82	11	30230.60	17
0	Max	335	0.00	1	0.00	1	0.00	1	81653.00	1	-9941.70	7	31449.20	17	-3479.82	11	30230.60	17
0	Min.	354	0.00	1	0.00	1	0.00	1	61711.70	18	-16219.10	17	-5376.77	11	-8369.55	17	13896.60	5
0	Min.	355	0.00	1	0.00	1	0.00	1	61711.70	18	-16219.10	17	-5376.77	11	-8369.55	17	13896.60	5
0	Min.	336	0.00	1	0.00	1	0.00	1	61711.70	18	-16219.10	17	-5376.77	11	-8369.55	17	13896.60	5
0	Min.	335	0.00	1	0.00	1	0.00	1	61711.70	18	-16219.10	17	-5376.77	11	-8369.55	17	13896.60	5
0	Max	372	0.00	1	0.00	1	0.00	1	130821.00	17	-9948.65	5	27164.00	17	-3456.44	11	43480.00	17
0	Max	277	0.00	1	0.00	1	0.00	1	130821.00	17	-9948.65	5	27164.00	17	-3456.44	11	43480.00	17
0	Max	276	0.00	1	0.00	1	0.00	1	130821.00	17	-9948.65	5	27164.00	17	-3456.44	11	43480.00	17
0	Max	353	0.00	1	0.00	1	0.00	1	130821.00	17	-9948.65	5	27164.00	17	-3456.44	11	43480.00	17
0	Min.	372	0.00	1	0.00	1	0.00	1	72650.80	5	-21907.10	17	-5384.46	9	-8827.13	17	14005.70	5
0	Min.	277	0.00	1	0.00	1	0.00	1	72650.80	5	-21907.10	17	-5384.46	9	-8827.13	17	14005.70	5
0	Min.	276	0.00	1	0.00	1	0.00	1	72650.80	5	-21907.10	17	-5384.46	9	-8827.13	17	14005.70	5
0	Min.	353	0.00	1	0.00	1	0.00	1	72650.80	5	-21907.10	17	-5384.46	9	-8827.13	17	14005.70	5
0	Max	315	0.00	1	0.00	1	0.00	1	292299.00	17	251378.00	17	166258.00	17	50300.20	17	2176.33	9
0	Max	274	0.00	1	0.00	1	0.00	1	292299.00	17	251378.00	17	166258.00	17	50300.20	17	2176.33	9
0	Max	273	0.00	1	0.00	1	0.00	1	292299.00	17	251378.00	17	166258.00	17	50300.20	17	2176.33	9
0	Max	296	0.00	1	0.00	1	0.00	1	292299.00	17	251378.00	17	166258.00	17	50300.20	17	2176.33	9
0	Min.	315	0.00	1	0.00	1	0.00	1	132079.00	5	66069.80	5	-11917.10	9	11329.50	5	-24511.50	17
0	Min.	274	0.00	1	0.00	1	0.00	1	132079.00	5	66069.80	5	-11917.10	9	11329.50	5	-24511.50	17
0	Min.	273	0.00	1	0.00	1	0.00	1	132079.00	5	66069.80	5	-11917.10	9	11329.50	5	-24511.50	17
0	Min.	296	0.00	1	0.00	1	0.00	1	132079.00	5	66069.80	5	-11917.10	9	11329.50	5	-24511.50	17
0	Max	310	0.00	1	0.00	1	0.00	1	370070.00	17	450609.00	17	6482.65	5	81856.20	17	16580.10	17
0	Max	311	0.00	1	0.00	1	0.00	1	370070.00	17	450609.00	17	6482.65	5	81856.20	17	16580.10	17
0	Max	292	0.00	1	0.00	1	0.00	1	370070.00	17	450609.00	17	6482.65	5	81856.20	17	16580.10	17
0	Max	291	0.00	1	0.00	1	0.00	1	370070.00	17	450609.00	17	6482.65	5	81856.20	17	16580.10	17
0	Min.	310	0.00	1	0.00	1	0.00	1	131965.00	9	66182.10	9	-76174.20	17	11317.20	9	-771.95	5
0	Min.	311	0.00	1	0.00	1	0.00	1	131965.00	9	66182.10	9	-76174.20	17	11317.20	9	-771.95	5
0	Min.	292	0.00	1	0.00	1	0.00	1	131965.00	9	66182.10	9	-76174.20	17	11317.20	9	-771.95	5
0	Min.	291	0.00	1	0.00	1	0.00	1	131965.00	9	66182.10	9	-76174.20	17	11317.20	9	-771.95	5
0	Max	300	0.00	1	0.00	1	0.00	1	154738.00	9	105365.00	9	66974.50	17	18805.00	9	2443.58	5
0	Max	301	0.00	1	0.00	1	0.00	1	154738.00	9	105365.00	9	66974.50	17	18805.00	9	2443.58	5
0	Max	282	0.00	1	0.00	1	0.00	1	154738.00	9	105365.00	9	66974.50	17	18805.00	9	2443.58	5
0	Max	281	0.00	1	0.00	1	0.00	1	154738.00	9	105365.00	9	66974.50	17	18805.00	9	2443.58	5
0	Min.	300	0.00	1	0.00	1	0.00	1	7904.54	17	-225337.00	17	-13182.50	5	-42051.50	17	-14467.50	17
0	Min.	301	0.00	1	0.00	1	0.00	1	7904.54	17	-225337.00	17	-13182.50	5	-42051.50	17	-14467.50	17
0	Min.	282	0.00	1	0.00	1	0.00	1	7904.54	17	-225337.00	17	-13182.50	5	-42051.50	17	-14467.50	17
0	Min.	281	0.00	1	0.00	1	0.00	1	7904.54	17	-225337.00	17	-13182.50	5	-42051.50	17	-14467.50	17
0	Max	291	0.00	1	0.00	1	0.00	1	417015.00	17	856722.00	17	11390.10	7	113070.00	17	26847.90	17
0	Max	292	0.00	1	0.00	1	0.00	1	417015.00	17	856722.00	17	11390.10	7	113070.00	17	26847.90	17
0	Max	263	0.00	1	0.00	1	0.00	1	417015.00	17	856722.00	17	11390.10	7	113070.00	17	26847.90	17
0	Max	262	0.00	1	0.00	1	0.00	1	417015.00	17	856722.00	17	11390.10	7	113070.00	17	26847.90	17
0	Min.	291	0.00	1	0.00	1	0.00	1	152332.00	9	90117.80	9	-81389.40	17	9036.22	9	-736.76	5
0	Min.	292	0.00	1	0.00	1	0.00	1	152332.00	9	90117.80	9	-81389.40	17	9036.22	9	-736.76	5
0	Min.	263	0.00	1	0.00	1	0.00	1	152332.00	9	90117.80	9	-81389.40	17	9036.22	9	-736.76	5
0	Min.	262	0.00	1	0.00	1	0.00	1	152332.00	9	90117.80	9	-81389.40	17	9036.22	9	-736.76	5
0	Max	278	0.00	1	0.00	1	0.00	1	225124.00	17	168103.00	1	261115.00	17	20397.30	1	3525.61	11
0	Max	279	0.00	1	0.00	1	0.00	1	225124.00	17	168103.00	1	261115.00	17	20397.30	1	3525.61	11
0	Max	250	0.00	1	0.00	1	0.00	1	225124.00	17	168103.00	1	261115.00	17	20397.30	1	3525.61	11
0	Max	249	0.00	1	0.00	1	0.00	1	225124.00	17	168103.00	1	261115.00	17	20397.30	1	3525.61	11
0	Min.	278	0.00	1	0.00	1	0.00	1	152285.00	7	-22067.00	17	-18244.50	11	3190.04	17	-37496.00	17
0	Min.	279	0.00	1	0.00	1	0.00	1	152285.00	7	-22067.00	17	-18244.50	11	3190.04	17	-37496.00	17
0	Min.	250	0.00	1	0.00	1	0.00	1	152285.00	7	-22067.00	17	-18244.50	11	3190.04	17	-37496.00	17
0	Min.	249	0.00	1	0.00	1	0.00	1	152285.00	7	-22067.00	17	-18244.50	11	3190.04	17	-37496.00	17
0	Max	329	0.00	1	0.00	1	0.00	1	299297.00	17	210259.00	17	719.44	5	70120.80	17	7320.35	17
0	Max	330	0.00	1	0.00	1	0.00	1	299297.00	17	210259.00	17	719.44	5	70120.80	17	7320.35	17
0	Max	311	0.00	1	0.00	1	0.00	1	299297.00	17	210259.00	17	719.44	5	70120.80	17	7320.35	17
0	Max	310	0.00	1	0.00	1	0.00	1	299297.00	17	210259.00	17	719.44	5	70120.80	17	7320.35	17
0	Min.	329	0.00	1	0.00	1	0.00	1	110960.00	9	34596.00	9	-72488.50	17	14355.70	9	-785.82	5
0	Min.	330	0.00	1	0.00	1	0.00	1	110960.00	9	34596.00	9	-72488.50	17	14355.70	9	-785.82	5
0	Min.	311	0.00	1	0.00	1	0.00	1	110960.00	9	34596.00	9	-72488.50	17	14355.70	9	-785.82	5
0	Min.	310	0.00	1	0.00	1	0.00	1	110960.00	9	34596.00	9	-72488.50	17	14355.70	9	-785.82	5
0	Max	276	0.00	1	0.00	1	0.00	1	147137.00	17	-946.91	1	84427.10	17	29062.60	17	-10489.50	5
0	Max	335	0.00	1	0.00	1	0.00	1	147137.00	17	-946.91	1	84427.10	17	29062.60	17	-10489.50	5
0	Max	316	0.00	1	0.00	1	0.00	1	147137.00	17	-946.91	1	84427.10	17	29062.60	17	-10489.50	5
0	Max	275	0.00	1	0.00	1	0.00	1	147137.00	17	-946.91	1	84427.10	17	29062.60	17	-10489.50	5
0	Min.	276	0.00	1	0.00	1	0.00	1	89328.50	7	-4527.36	7	-10113.20	11	18425.30	7	-20145.60	17
0	Min.	335	0.00	1	0.00	1	0.00	1	89328.50	7	-4527.36	7	-10113.20	11	18425.30	7	-20145.60	17
0	Min.	316	0.00	1	0.00	1	0.00	1	89328.50	7	-4527.36	7	-10113.20	11	18425.30	7	-20145.60	17
0	Min.	275	0.00	1	0.00	1	0.00	1	89328.50	7	-4527.36	7	-10113.20	11	18425.30	7	-20145.60	17
0	Max	352	0.00	1	0.00	1	0.00	1	208357.00	17	16896.20	17	55289.70	17	55445.80	17	-10522.40	5
0	Max	353	0.00	1	0.00	1	0.00	1	208357.00	17	16896.20	17	55289.70	17	55445.80	17	-10522.40	5
0	Max	334	0.00	1	0.00	1	0.00	1	208357.00	17	16896.20	17	55289.70	17	55445.80	17	-10522.40	5
0	Max	333	0.00	1	0.00	1	0.00	1	208357.00	17	16896.20	17	55289.70	17	55445.80	17	-10522.40	5
0	Min.	352	0.00	1	0.00	1	0.00	1	89391.00	5	-4520.77	5	-10055.80	9	18433.30	5	-28650.30	17
0	Min.	353	0.00	1	0.00	1	0.00	1	89391.00	5	-4520.77	5	-10055.80	9	18433.30	5	-28650.30	17
0	Min.	334	0.00	1	0.00	1	0.00	1	89391.00	5	-4520.77	5	-10055.80	9	18433.30	5	-28650.30	17
0	Min.	333	0.00	1	0.00	1	0.00	1	89391.00	5	-4520.77	5	-10055.80	9	18433.30	5	-28650.30	17
0	Max	337	0.00	1	0.00	1	0.00	1	101724.00	9	-1209.62	9	61298.80	17	22827.50	9	13163.30	9
0	Max	338	0.00	1	0.00	1	0.00	1	101724.00	9	-1209.62	9	61298.80	17	22827.50	9	13163.30	9
0	Max	319	0.00	1	0.00	1	0.00	1	101724.00	9	-1209.62	9	61298.80	17	22827.50	9	13163.30	9
0	Max	318	0.00	1	0.00	1	0.00	1	101724.00	9	-1209.62	9	61298.80	17	22827.50	9	13163.30	9
0	Min.	337	0.00	1	0.00	1	0.00	1	40098.80	18	-30451.40	17	-3521.28	5	-3054.98	17	349.06	17
0	Min.	338	0.00	1	0.00	1	0.00	1	40098.80	18	-30451.40	17	-3521.28	5	-3054.98	17	349.06	17
0	Min.	319	0.00	1	0.00	1	0.00	1	40098.80	18	-30451.40	17	-3521.28	5	-3054.98	17	349.06	17
0	Min.	318	0.00	1	0.00	1	0.00	1	40098.80	18	-30451.40	17	-3521.28	5	-3054.98	17	349.06	17
0	Max	339	0.00	1	0.00	1	0.00	1	101766.00	11	-1207.94	11	7696.21	17	22854.70	11	13162.80	11
0	Max	340	0.00	1	0.00	1	0.00	1	101766.00	11	-1207.94	11	7696.21	17	22854.70	11	13162.80	11
0	Max	321	0.00	1	0.00	1	0.00	1	101766.00	11	-1207.94	11	7696.21	17	22854.70	11	13162.80	11
0	Max	320	0.00	1	0.00	1	0.00	1	101766.00	11	-1207.94	11	7696.21	17	22854.70	11	13162.80	11
0	Min.	339	0.00	1	0.00	1	0.00	1	13301.30	17	-36450.10	17	-3543.48	7	-16969.40	17	-2711.81	17
0	Min.	340	0.00	1	0.00	1	0.00	1	13301.30	17	-36450.10	17	-3543.48	7	-16969.40	17	-2711.81	17
0	Min.	321	0.00	1	0.00	1	0.00	1	13301.30	17	-36450.10	17	-3543.48	7	-16969.40	17	-2711.81	17
0	Min.	320	0.00	1	0.00	1	0.00	1	13301.30	17	-36450.10	17	-3543.48	7	-16969.40	17	-2711.81	17
0	Max	345	0.00	1	0.00	1	0.00	1	148465.00	17	6472.46	17	6472.64	11	31411.50	17	22421.50	17
0	Max	346	0.00	1	0.00	1	0.00	1	148465.00	17	6472.46	17	6472.64	11	31411.50	17	22421.50	17
0	Max	327	0.00	1	0.00	1	0.00	1	148465.00	17	6472.46	17	6472.64	11	31411.50	17	22421.50	17
0	Max	326	0.00	1	0.00	1	0.00	1	148465.00	17	6472.46	17	6472.64	11	31411.50	17	22421.50	17
0	Min.	345	0.00	1	0.00	1	0.00	1	89541.10	1	-4671.00	1	-88297.80	17	18034.10	1	11192.40	1
0	Min.	346	0.00	1	0.00	1	0.00	1	89541.10	1	-4671.00	1	-88297.80	17	18034.10	1	11192.40	1
0	Min.	327	0.00	1	0.00	1	0.00	1	89541.10	1	-4671.00	1	-88297.80	17	18034.10	1	11192.40	1
0	Min.	326	0.00	1	0.00	1	0.00	1	89541.10	1	-4671.00	1	-88297.80	17	18034.10	1	11192.40	1

0	Max	307	0.00	1	0.00	1	0.00	1	212518.00	17	198436.00	17	7631.67	11	31798.60	17	30016.10	17
0	Max	308	0.00	1	0.00	1	0.00	1	212518.00	17	198436.00	17	7631.67	11	31798.60	17	30016.10	17
0	Max	289	0.00	1	0.00	1	0.00	1	212518.00	17	198436.00	17	7631.67	11	31798.60	17	30016.10	17
0	Max	288	0.00	1	0.00	1	0.00	1	212518.00	17	198436.00	17	7631.67	11	31798.60	17	30016.10	17
0	Min.	307	0.00	1	0.00	1	0.00	1	132119.00	1	66252.50	1	-180699.00	17	11353.10	1	-1029.86	11
0	Min.	308	0.00	1	0.00	1	0.00	1	132119.00	1	66252.50	1	-180699.00	17	11353.10	1	-1029.86	11
0	Min.	289	0.00	1	0.00	1	0.00	1	132119.00	1	66252.50	1	-180699.00	17	11353.10	1	-1029.86	11
0	Min.	288	0.00	1	0.00	1	0.00	1	132119.00	1	66252.50	1	-180699.00	17	11353.10	1	-1029.86	11
0	Max	341	0.00	1	0.00	1	0.00	1	101097.00	5	-1321.65	5	6149.32	9	22718.60	11	13109.60	5
0	Max	342	0.00	1	0.00	1	0.00	1	101097.00	5	-1321.65	5	6149.32	9	22718.60	11	13109.60	5
0	Max	323	0.00	1	0.00	1	0.00	1	101097.00	5	-1321.65	5	6149.32	9	22718.60	11	13109.60	5
0	Max	322	0.00	1	0.00	1	0.00	1	101097.00	5	-1321.65	5	6149.32	9	22718.60	11	13109.60	5
0	Min.	341	0.00	1	0.00	1	0.00	1	27185.70	17	-30024.90	17	-48093.20	17	-14147.90	17	1329.60	17
0	Min.	342	0.00	1	0.00	1	0.00	1	27185.70	17	-30024.90	17	-48093.20	17	-14147.90	17	1329.60	17
0	Min.	323	0.00	1	0.00	1	0.00	1	27185.70	17	-30024.90	17	-48093.20	17	-14147.90	17	1329.60	17
0	Min.	322	0.00	1	0.00	1	0.00	1	27185.70	17	-30024.90	17	-48093.20	17	-14147.90	17	1329.60	17
0	Max	298	0.00	1	0.00	1	0.00	1	153813.00	1	103754.00	9	152133.00	17	18415.30	1	2331.92	11
0	Max	299	0.00	1	0.00	1	0.00	1	153813.00	1	103754.00	9	152133.00	17	18415.30	1	2331.92	11
0	Max	280	0.00	1	0.00	1	0.00	1	153813.00	1	103754.00	9	152133.00	17	18415.30	1	2331.92	11
0	Max	279	0.00	1	0.00	1	0.00	1	153813.00	1	103754.00	9	152133.00	17	18415.30	1	2331.92	11
0	Min.	298	0.00	1	0.00	1	0.00	1	86712.50	18	-79553.80	17	-12286.30	5	-12295.40	17	-26219.20	17
0	Min.	299	0.00	1	0.00	1	0.00	1	86712.50	18	-79553.80	17	-12286.30	5	-12295.40	17	-26219.20	17
0	Min.	280	0.00	1	0.00	1	0.00	1	86712.50	18	-79553.80	17	-12286.30	5	-12295.40	17	-26219.20	17
0	Min.	279	0.00	1	0.00	1	0.00	1	86712.50	18	-79553.80	17	-12286.30	5	-12295.40	17	-26219.20	17
0	Max	359	0.00	1	0.00	1	0.00	1	81938.10	11	-4492.73	18	3052.10	1	-3080.13	1	-55.87	17
0	Max	360	0.00	1	0.00	1	0.00	1	81938.10	11	-4492.73	18	3052.10	1	-3080.13	1	-55.87	17
0	Max	341	0.00	1	0.00	1	0.00	1	81938.10	11	-4492.73	18	3052.10	1	-3080.13	1	-55.87	17
0	Max	340	0.00	1	0.00	1	0.00	1	81938.10	11	-4492.73	18	3052.10	1	-3080.13	1	-55.87	17
0	Min.	359	0.00	1	0.00	1	0.00	1	16884.30	17	-11136.10	11	-5465.42	17	-4320.06	17	-16946.60	5
0	Min.	360	0.00	1	0.00	1	0.00	1	16884.30	17	-11136.10	11	-5465.42	17	-4320.06	17	-16946.60	5
0	Min.	341	0.00	1	0.00	1	0.00	1	16884.30	17	-11136.10	11	-5465.42	17	-4320.06	17	-16946.60	5
0	Min.	340	0.00	1	0.00	1	0.00	1	16884.30	17	-11136.10	11	-5465.42	17	-4320.06	17	-16946.60	5
0	Max	366	0.00	1	0.00	1	0.00	1	168683.00	17	-9967.61	1	-1499.47	5	-2503.03	18	27104.00	17
0	Max	367	0.00	1	0.00	1	0.00	1	168683.00	17	-9967.61	1	-1499.47	5	-2503.03	18	27104.00	17
0	Max	348	0.00	1	0.00	1	0.00	1	168683.00	17	-9967.61	1	-1499.47	5	-2503.03	18	27104.00	17
0	Max	347	0.00	1	0.00	1	0.00	1	168683.00	17	-9967.61	1	-1499.47	5	-2503.03	18	27104.00	17
0	Min.	366	0.00	1	0.00	1	0.00	1	72557.50	9	-17931.30	17	-30969.30	17	-3898.00	5	13911.70	1
0	Min.	367	0.00	1	0.00	1	0.00	1	72557.50	9	-17931.30	17	-30969.30	17	-3898.00	5	13911.70	1
0	Min.	348	0.00	1	0.00	1	0.00	1	72557.50	9	-17931.30	17	-30969.30	17	-3898.00	5	13911.70	1
0	Min.	347	0.00	1	0.00	1	0.00	1	72557.50	9	-17931.30	17	-30969.30	17	-3898.00	5	13911.70	1
0	Max	368	0.00	1	0.00	1	0.00	1	186674.00	17	-9924.65	9	-1479.22	7	-3457.38	1	41547.30	17
0	Max	369	0.00	1	0.00	1	0.00	1	186674.00	17	-9924.65	9	-1479.22	7	-3457.38	1	41547.30	17
0	Max	350	0.00	1	0.00	1	0.00	1	186674.00	17	-9924.65	9	-1479.22	7	-3457.38	1	41547.30	17
0	Max	349	0.00	1	0.00	1	0.00	1	186674.00	17	-9924.65	9	-1479.22	7	-3457.38	1	41547.30	17
0	Min.	368	0.00	1	0.00	1	0.00	1	72542.70	11	-22965.30	17	-11413.20	17	-5520.45	17	13877.50	9
0	Min.	369	0.00	1	0.00	1	0.00	1	72542.70	11	-22965.30	17	-11413.20	17	-5520.45	17	13877.50	9
0	Min.	350	0.00	1	0.00	1	0.00	1	72542.70	11	-22965.30	17	-11413.20	17	-5520.45	17	13877.50	9
0	Min.	349	0.00	1	0.00	1	0.00	1	72542.70	11	-22965.30	17	-11413.20	17	-5520.45	17	13877.50	9
0	Max	319	0.00	1	0.00	1	0.00	1	128463.00	9	52249.10	9	55002.00	17	20050.50	9	912.93	5
0	Max	320	0.00	1	0.00	1	0.00	1	128463.00	9	52249.10	9	55002.00	17	20050.50	9	912.93	5
0	Max	301	0.00	1	0.00	1	0.00	1	128463.00	9	52249.10	9	55002.00	17	20050.50	9	912.93	5
0	Max	300	0.00	1	0.00	1	0.00	1	128463.00	9	52249.10	9	55002.00	17	20050.50	9	912.93	5
0	Min.	319	0.00	1	0.00	1	0.00	1	16193.30	17	-96452.90	17	-13997.90	5	-24857.60	17	-7167.88	17
0	Min.	320	0.00	1	0.00	1	0.00	1	16193.30	17	-96452.90	17	-13997.90	5	-24857.60	17	-7167.88	17
0	Min.	301	0.00	1	0.00	1	0.00	1	16193.30	17	-96452.90	17	-13997.90	5	-24857.60	17	-7167.88	17
0	Min.	300	0.00	1	0.00	1	0.00	1	16193.30	17	-96452.90	17	-13997.90	5	-24857.60	17	-7167.88	17
0	Max	371	0.00	1	0.00	1	0.00	1	166487.00	17	-10074.90	5	27810.60	17	-1844.12	18	-13982.40	7
0	Max	372	0.00	1	0.00	1	0.00	1	166487.00	17	-10074.90	5	27810.60	17	-1844.12	18	-13982.40	7
0	Max	353	0.00	1	0.00	1	0.00	1	166487.00	17	-10074.90	5	27810.60	17	-1844.12	18	-13982.40	7
0	Max	352	0.00	1	0.00	1	0.00	1	166487.00	17	-10074.90	5	27810.60	17	-1844.12	18	-13982.40	7
0	Min.	371	0.00	1	0.00	1	0.00	1	72834.90	5	-18813.20	17	-811.84	9	-3456.50	9	-25291.10	17
0	Min.	372	0.00	1	0.00	1	0.00	1	72834.90	5	-18813.20	17	-811.84	9	-3456.50	9	-25291.10	17
0	Min.	353	0.00	1	0.00	1	0.00	1	72834.90	5	-18813.20	17	-811.84	9	-3456.50	9	-25291.10	17
0	Min.	352	0.00	1	0.00	1	0.00	1	72834.90	5	-18813.20	17	-811.84	9	-3456.50	9	-25291.10	17
0	Max	305	0.00	1	0.00	1	0.00	1	154860.00	5	105241.00	5	7723.48	9	18817.50	5	25932.60	17
0	Max	306	0.00	1	0.00	1	0.00	1	154860.00	5	105241.00	5	7723.48	9	18817.50	5	25932.60	17
0	Max	287	0.00	1	0.00	1	0.00	1	154860.00	5	105241.00	5	7723.48	9	18817.50	5	25932.60	17
0	Max	286	0.00	1	0.00	1	0.00	1	154860.00	5	105241.00	5	7723.48	9	18817.50	5	25932.60	17
0	Min.	305	0.00	1	0.00	1	0.00	1	74946.50	18	-26413.60	17	-172181.00	17	-10463.10	17	-1033.67	9
0	Min.	306	0.00	1	0.00	1	0.00	1	74946.50	18	-26413.60	17	-172181.00	17	-10463.10	17	-1033.67	9
0	Min.	287	0.00	1	0.00	1	0.00	1	74946.50	18	-26413.60	17	-172181.00	17	-10463.10	17	-1033.67	9
0	Min.	286	0.00	1	0.00	1	0.00	1	74946.50	18	-26413.60	17	-172181.00	17	-10463.10	17	-1033.67	9
0	Max	296	0.00	1	0.00	1	0.00	1	370649.00	17	431136.00	17	269084.00	17	67228.00	17	3515.38	9
0	Max	273	0.00	1	0.00	1	0.00	1	370649.00	17	431136.00	17	269084.00	17	67228.00	17	3515.38	9
0	Max	2	0.00	1	0.00	1	0.00	1	370649.00	17	431136.00	17	269084.00	17	67228.00	17	3515.38	9
0	Max	267	0.00	1	0.00	1	0.00	1	370649.00	17	431136.00	17	269084.00	17	67228.00	17	3515.38	9
0	Min.	296	0.00	1	0.00	1	0.00	1	152322.00	5	90127.80	5	-18563.40	11	9035.93	5	-28405.30	17
0	Min.	273	0.00	1	0.00	1	0.00	1	152322.00	5	90127.80	5	-18563.40	11	9035.93	5	-28405.30	17
0	Min.	2	0.00	1	0.00	1	0.00	1	152322.00	5	90127.80	5	-18563.40	11	9035.93	5	-28405.30	17
0	Min.	267	0.00	1	0.00	1	0.00	1	152322.00	5	90127.80	5	-18563.40	11	9035.93	5	-28405.30	17
0	Max	286	0.00	1	0.00	1	0.00	1	179495.00	5	168519.00	5	11332.20	11	20429.10	5	31655.90	17
0	Max	287	0.00	1	0.00	1	0.00	1	179495.00	5	168519.00	5	11332.20	11	20429.10	5	31655.90	17
0	Max	258	0.00	1	0.00	1	0.00	1	179495.00	5	168519.00	5	11332.20	11	20429.10	5	31655.90	17
0	Max	257	0.00	1	0.00	1	0.00	1	179495.00	5	168519.00	5	11332.20	11	20429.10	5	31655.90	17
0	Min.	286	0.00	1	0.00	1	0.00	1	64841.00	18	-90278.50	17	-280640.00	17	-28032.70	17	-733.89	9
0	Min.	287	0.00	1	0.00	1	0.00	1	64841.00	18	-90278.50	17	-280640.00	17	-28032.70	17	-733.89	9
0	Min.	258	0.00	1	0.00	1	0.00	1	64841.00	18	-90278.50	17	-280640.00	17	-28032.70	17	-733.89	9
0	Min.	257	0.00	1	0.00	1	0.00	1	64841.00	18	-90278.50	17	-280640.00	17	-28032.70	17	-733.89	9
0	Max	324	0.00	1	0.00	1	0.00	1	128983.00	5	51738.30	5	9622.54	9	20025.40	5	14361.80	17
0	Max	325	0.00	1	0.00	1	0.00	1	128983.00	5	51738.30	5	9622.54	9	20025.40	5	14361.80	17
0	Max	306	0.00	1	0.00	1	0.00	1	128983.00	5	51738.30	5	9622.54	9	20025.40	5	14361.80	17
0	Max	305	0.00	1	0.00	1	0.00	1	128983.00	5	51738.30	5	9622.54	9	20025.40	5	14361.80	17
0	Min.	324	0.00	1	0.00	1	0.00	1	71441.30	18	-8309.26	17	-122751.00	17	-23.83	17	31.03	9
0	Min.	325	0.00	1	0.00	1	0.00	1	71441.30	18	-8309.26	17	-122751.00	17	-23.83	17	31.03	9
0	Min.	306	0.00	1	0.00	1	0.00	1	71441.30	18	-8309.26	17	-122751.00	17	-23.83	17	31.03	9
0	Min.	305	0.00	1	0.00	1	0.00	1	71441.30	18	-8309.26	17	-122751.00	17	-23.83	17	31.03	9
0	Max	330	0.00	1	0.00	1	0.00	1	317858.00	17	219413.00	17	9731.79	7	74709.70	17	5274.45	17
0	Max	331	0.00	1	0.00	1	0.00	1	317858.00	17	219413.00	17	9731.79	7	74709.70	17	5274.45	17
0	Max	312	0.00	1	0.00	1	0.00	1	317858.00	17	219413.00	17	9731.79	7	74709.70	17	5274.45	17
0	Max	311	0.00	1	0.00	1	0.00	1	317858.00	17	219413.00	17	9731.79	7	74709.70	17	5274.45	17
0	Min.	330	0.00	1	0.00	1	0.00	1	111527.00	11	34028.60	11	-6056.87	17	14341.20	11	63.54	7
0	Min.	331	0.00	1	0.00	1	0.00	1	111527.00	11	34028.60	11	-6056.87	17	14341.20	11	63.54	7
0	Min.	312	0.00	1	0.00	1	0.00	1	111527.00	11	34028.60	11	-6056.87	17	14341.20	11	63.54	7
0	Min.	311	0.00	1	0.00	1	0.00	1	111527.00	11	34028.60	11	-6056.87	17	14341.20	11	63.54	7
0	Max	351	0.00	1	0.00	1	0.00	1	224814.00	17	22178.00	17	52036.10	17	67839.90	17	30434.90	17

0	Max	352	0.00	1	0.00	1	0.00	1	224814.00	17	22178.00	17	52036.10	17	67839.90	17	30434.90	17
0	Max	333	0.00	1	0.00	1	0.00	1	224814.00	17	22178.00	17	52036.10	17	67839.90	17	30434.90	17
0	Max	332	0.00	1	0.00	1	0.00	1	224814.00	17	22178.00	17	52036.10	17	67839.90	17	30434.90	17
0	Min.	351	0.00	1	0.00	1	0.00	1	90151.30	5	-4643.75	5	-3087.14	9	18221.30	11	11185.60	5
0	Min.	352	0.00	1	0.00	1	0.00	1	90151.30	5	-4643.75	5	-3087.14	9	18221.30	11	11185.60	5
0	Min.	333	0.00	1	0.00	1	0.00	1	90151.30	5	-4643.75	5	-3087.14	9	18221.30	11	11185.60	5
0	Min.	332	0.00	1	0.00	1	0.00	1	90151.30	5	-4643.75	5	-3087.14	9	18221.30	11	11185.60	5
0	Max	347	0.00	1	0.00	1	0.00	1	209536.00	17	22604.80	17	6583.06	5	56746.90	17	31415.60	17
0	Max	348	0.00	1	0.00	1	0.00	1	209536.00	17	22604.80	17	6583.06	5	56746.90	17	31415.60	17
0	Max	329	0.00	1	0.00	1	0.00	1	209536.00	17	22604.80	17	6583.06	5	56746.90	17	31415.60	17
0	Max	328	0.00	1	0.00	1	0.00	1	209536.00	17	22604.80	17	6583.06	5	56746.90	17	31415.60	17
0	Min.	347	0.00	1	0.00	1	0.00	1	89524.70	9	-4755.60	9	-57356.40	17	18112.40	9	11132.00	9
0	Min.	348	0.00	1	0.00	1	0.00	1	89524.70	9	-4755.60	9	-57356.40	17	18112.40	9	11132.00	9
0	Min.	329	0.00	1	0.00	1	0.00	1	89524.70	9	-4755.60	9	-57356.40	17	18112.40	9	11132.00	9
0	Min.	328	0.00	1	0.00	1	0.00	1	89524.70	9	-4755.60	9	-57356.40	17	18112.40	9	11132.00	9
0	Max	277	0.00	1	0.00	1	0.00	1	121443.00	17	-9773.98	18	37174.20	17	-849.61	17	-7494.99	18
0	Max	354	0.00	1	0.00	1	0.00	1	121443.00	17	-9773.98	18	37174.20	17	-849.61	17	-7494.99	18
0	Max	335	0.00	1	0.00	1	0.00	1	121443.00	17	-9773.98	18	37174.20	17	-849.61	17	-7494.99	18
0	Max	276	0.00	1	0.00	1	0.00	1	121443.00	17	-9773.98	18	37174.20	17	-849.61	17	-7494.99	18
0	Min.	277	0.00	1	0.00	1	0.00	1	72779.50	7	-12618.60	17	-825.72	11	-3461.11	9	-16849.80	1
0	Min.	354	0.00	1	0.00	1	0.00	1	72779.50	7	-12618.60	17	-825.72	11	-3461.11	9	-16849.80	1
0	Min.	335	0.00	1	0.00	1	0.00	1	72779.50	7	-12618.60	17	-825.72	11	-3461.11	9	-16849.80	1
0	Min.	276	0.00	1	0.00	1	0.00	1	72779.50	7	-12618.60	17	-825.72	11	-3461.11	9	-16849.80	1
0	Max	358	0.00	1	0.00	1	0.00	1	81812.00	11	-4385.67	18	2455.15	17	-3183.30	18	16884.50	9
0	Max	359	0.00	1	0.00	1	0.00	1	81812.00	11	-4385.67	18	2455.15	17	-3183.30	18	16884.50	9
0	Max	340	0.00	1	0.00	1	0.00	1	81812.00	11	-4385.67	18	2455.15	17	-3183.30	18	16884.50	9
0	Max	339	0.00	1	0.00	1	0.00	1	81812.00	11	-4385.67	18	2455.15	17	-3183.30	18	16884.50	9
0	Min.	358	0.00	1	0.00	1	0.00	1	16747.80	17	-11098.80	9	-5347.38	7	-4039.53	17	-1328.20	17
0	Min.	359	0.00	1	0.00	1	0.00	1	16747.80	17	-11098.80	9	-5347.38	7	-4039.53	17	-1328.20	17
0	Min.	340	0.00	1	0.00	1	0.00	1	16747.80	17	-11098.80	9	-5347.38	7	-4039.53	17	-1328.20	17
0	Min.	339	0.00	1	0.00	1	0.00	1	16747.80	17	-11098.80	9	-5347.38	7	-4039.53	17	-1328.20	17
0	Max	302	0.00	1	0.00	1	0.00	1	154700.00	11	105180.00	11	6396.84	1	18781.70	11	3213.96	17
0	Max	303	0.00	1	0.00	1	0.00	1	154700.00	11	105180.00	11	6396.84	1	18781.70	11	3213.96	17
0	Max	284	0.00	1	0.00	1	0.00	1	154700.00	11	105180.00	11	6396.84	1	18781.70	11	3213.96	17
0	Max	283	0.00	1	0.00	1	0.00	1	154700.00	11	105180.00	11	6396.84	1	18781.70	11	3213.96	17
0	Min.	302	0.00	1	0.00	1	0.00	1	-18679.60	17	-242026.00	17	-45523.20	17	-48143.30	17	-769.16	1
0	Min.	303	0.00	1	0.00	1	0.00	1	-18679.60	17	-242026.00	17	-45523.20	17	-48143.30	17	-769.16	1
0	Min.	284	0.00	1	0.00	1	0.00	1	-18679.60	17	-242026.00	17	-45523.20	17	-48143.30	17	-769.16	1
0	Min.	283	0.00	1	0.00	1	0.00	1	-18679.60	17	-242026.00	17	-45523.20	17	-48143.30	17	-769.16	1
0	Max	309	0.00	1	0.00	1	0.00	1	330120.00	17	390454.00	17	7798.40	5	69522.40	17	22906.30	17
0	Max	310	0.00	1	0.00	1	0.00	1	330120.00	17	390454.00	17	7798.40	5	69522.40	17	22906.30	17
0	Max	291	0.00	1	0.00	1	0.00	1	330120.00	17	390454.00	17	7798.40	5	69522.40	17	22906.30	17
0	Max	290	0.00	1	0.00	1	0.00	1	330120.00	17	390454.00	17	7798.40	5	69522.40	17	22906.30	17
0	Min.	309	0.00	1	0.00	1	0.00	1	132445.00	9	65923.30	9	-121327.00	17	11378.50	9	-969.97	5
0	Min.	310	0.00	1	0.00	1	0.00	1	132445.00	9	65923.30	9	-121327.00	17	11378.50	9	-969.97	5
0	Min.	291	0.00	1	0.00	1	0.00	1	132445.00	9	65923.30	9	-121327.00	17	11378.50	9	-969.97	5
0	Min.	290	0.00	1	0.00	1	0.00	1	132445.00	9	65923.30	9	-121327.00	17	11378.50	9	-969.97	5
0	Max	344	0.00	1	0.00	1	0.00	1	104222.00	17	-946.92	7	-187.47	11	25760.90	17	-7893.55	18
0	Max	345	0.00	1	0.00	1	0.00	1	104222.00	17	-946.92	7	-187.47	11	25760.90	17	-7893.55	18
0	Max	326	0.00	1	0.00	1	0.00	1	104222.00	17	-946.92	7	-187.47	11	25760.90	17	-7893.55	18
0	Max	325	0.00	1	0.00	1	0.00	1	104222.00	17	-946.92	7	-187.47	11	25760.90	17	-7893.55	18
0	Min.	344	0.00	1	0.00	1	0.00	1	81238.70	18	-5087.61	17	-97934.50	17	18425.30	1	-12285.00	5
0	Min.	345	0.00	1	0.00	1	0.00	1	81238.70	18	-5087.61	17	-97934.50	17	18425.30	1	-12285.00	5
0	Min.	326	0.00	1	0.00	1	0.00	1	81238.70	18	-5087.61	17	-97934.50	17	18425.30	1	-12285.00	5
0	Min.	325	0.00	1	0.00	1	0.00	1	81238.70	18	-5087.61	17	-97934.50	17	18425.30	1	-12285.00	5
0	Max	294	0.00	1	0.00	1	0.00	1	458154.00	17	784757.00	17	172066.00	17	113072.00	17	3476.23	1
0	Max	295	0.00	1	0.00	1	0.00	1	458154.00	17	784757.00	17	172066.00	17	113072.00	17	3476.23	1
0	Max	266	0.00	1	0.00	1	0.00	1	458154.00	17	784757.00	17	172066.00	17	113072.00	17	3476.23	1
0	Max	265	0.00	1	0.00	1	0.00	1	458154.00	17	784757.00	17	172066.00	17	113072.00	17	3476.23	1
0	Min.	294	0.00	1	0.00	1	0.00	1	152792.00	11	92748.40	5	-18352.20	9	9600.48	11	-7843.55	17
0	Min.	295	0.00	1	0.00	1	0.00	1	152792.00	11	92748.40	5	-18352.20	9	9600.48	11	-7843.55	17
0	Min.	266	0.00	1	0.00	1	0.00	1	152792.00	11	92748.40	5	-18352.20	9	9600.48	11	-7843.55	17
0	Min.	265	0.00	1	0.00	1	0.00	1	152792.00	11	92748.40	5	-18352.20	9	9600.48	11	-7843.55	17
0	Max	289	0.00	1	0.00	1	0.00	1	289877.00	17	572402.00	17	11178.80	5	67221.60	17	39681.20	17
0	Max	290	0.00	1	0.00	1	0.00	1	289877.00	17	572402.00	17	11178.80	5	67221.60	17	39681.20	17
0	Max	261	0.00	1	0.00	1	0.00	1	289877.00	17	572402.00	17	11178.80	5	67221.60	17	39681.20	17
0	Max	260	0.00	1	0.00	1	0.00	1	289877.00	17	572402.00	17	11178.80	5	67221.60	17	39681.20	17
0	Min.	289	0.00	1	0.00	1	0.00	1	152802.00	1	92738.90	9	-228514.00	17	9600.77	1	-697.57	11
0	Min.	290	0.00	1	0.00	1	0.00	1	152802.00	1	92738.90	9	-228514.00	17	9600.77	1	-697.57	11
0	Min.	261	0.00	1	0.00	1	0.00	1	152802.00	1	92738.90	9	-228514.00	17	9600.77	1	-697.57	11
0	Min.	260	0.00	1	0.00	1	0.00	1	152802.00	1	92738.90	9	-228514.00	17	9600.77	1	-697.57	11
0	Max	317	0.00	1	0.00	1	0.00	1	127668.00	1	51588.00	9	112949.00	17	19741.00	1	832.03	11
0	Max	318	0.00	1	0.00	1	0.00	1	127668.00	1	51588.00	9	112949.00	17	19741.00	1	832.03	11
0	Max	299	0.00	1	0.00	1	0.00	1	127668.00	1	51588.00	9	112949.00	17	19741.00	1	832.03	11
0	Max	298	0.00	1	0.00	1	0.00	1	127668.00	1	51588.00	9	112949.00	17	19741.00	1	832.03	11
0	Min.	317	0.00	1	0.00	1	0.00	1	73479.70	18	-31561.00	17	-13319.70	11	-2494.50	17	-13921.70	17
0	Min.	318	0.00	1	0.00	1	0.00	1	73479.70	18	-31561.00	17	-13319.70	11	-2494.50	17	-13921.70	17
0	Min.	299	0.00	1	0.00	1	0.00	1	73479.70	18	-31561.00	17	-13319.70	11	-2494.50	17	-13921.70	17
0	Min.	298	0.00	1	0.00	1	0.00	1	73479.70	18	-31561.00	17	-13319.70	11	-2494.50	17	-13921.70	17
0	Max	313	0.00	1	0.00	1	0.00	1	379428.00	17	423173.00	17	93104.10	17	80956.90	17	2056.75	1
0	Max	314	0.00	1	0.00	1	0.00	1	379428.00	17	423173.00	17	93104.10	17	80956.90	17	2056.75	1
0	Max	295	0.00	1	0.00	1	0.00	1	379428.00	17	423173.00	17	93104.10	17	80956.90	17	2056.75	1
0	Max	294	0.00	1	0.00	1	0.00	1	379428.00	17	423173.00	17	93104.10	17	80956.90	17	2056.75	1
0	Min.	313	0.00	1	0.00	1	0.00	1	133026.00	11	67708.10	5	-11098.60	9	11721.70	11	-10793.80	17
0	Min.	314	0.00	1	0.00	1	0.00	1	133026.00	11	67708.10	5	-11098.60	9	11721.70	11	-10793.80	17
0	Min.	295	0.00	1	0.00	1	0.00	1	133026.00	11	67708.10	5	-11098.60	9	11721.70	11	-10793.80	17
0	Min.	294	0.00	1	0.00	1	0.00	1	133026.00	11	67708.10	5	-11098.60	9	11721.70	11	-10793.80	17
0	Max	331	0.00	1	0.00	1	0.00	1	317123.00	17	216574.00	17	9806.63	17	74344.50	17	908.63	1
0	Max	332	0.00	1	0.00	1	0.00	1	317123.00	17	216574.00	17	9806.63	17	74344.50	17	908.63	1
0	Max	313	0.00	1	0.00	1	0.00	1	317123.00	17	216574.00	17	9806.63	17	74344.50	17	908.63	1
0	Max	312	0.00	1	0.00	1	0.00	1	317123.00	17	216574.00	17	9806.63	17	74344.50	17	908.63	1
0	Min.	331	0.00	1	0.00	1	0.00	1	111000.00	11	34684.20	11	-13963.50	1	14375.10	11	-2200.48	17
0	Min.	332	0.00	1	0.00	1	0.00	1	111000.00	11	34684.20	11	-13963.50	1	14375.10	11	-2200.48	17
0	Min.	313	0.00	1	0.00	1	0.00	1	111000.00	11	34684.20	11	-13963.50	1	14375.10	11	-2200.48	17
0	Min.	312	0.00	1	0.00	1	0.00	1	111000.00	11	34684.20	11	-13963.50	1	14375.10	11	-2200.48	17
0	Max	342	0.00	1	0.00	1	0.00	1	101366.00	5	-953.22	5	-244.61	9	23372.20	5	-1130.00	17
0	Max	343	0.00	1	0.00	1	0.00	1	101366.00	5	-953.22	5	-244.61	9	23372.20	5	-1130.00	17
0	Max	324	0.00	1	0.00	1	0.00	1	101366.00	5	-953.22	5	-244.61	9	23372.20	5	-1130.00	17
0	Max	323	0.00	1	0.00	1	0.00	1	101366.00	5	-953.22	5	-244.61	9	23372.20	5	-1130.00	17
0	Min.	342	0.00	1	0.00	1	0.00	1	40424.50	18	-24101.30	17	-68796.70	17	-622.03	17	-12252.10	5
0	Min.	343	0.00	1	0.00	1	0.00	1	40424.50	18	-24101.30	17	-68796.70	17	-622.03	17	-12252.10	5
0	Min.	324	0.00	1	0.00	1	0.00	1	40424.50	18	-24101.30	17	-68796.70	17	-622.03	17	-12252.10	5
0	Min.	323	0.00	1	0.00	1	0.00	1	40424.50	18	-24101.30	17	-68796.70	17	-622.03	17	-12252.10	5
0	Max	350	0.00	1	0.00	1	0.00	1	237998.00	17	28080.90	17	2453.97	17	71120.60	17	-10459.10	11
0	Max	351	0.00	1	0.00	1	0.00	1	237998.00	17	28080.90	17	2453.97	17	71120.60	17	-10459.10	11

0	Max	332	0.00	1	0.00	1	0.00	1	237998.00	17	28080.90	17	2453.97	17	71120.60	17	-10459.10	11
0	Max	331	0.00	1	0.00	1	0.00	1	237998.00	17	28080.90	17	2453.97	17	71120.60	17	-10459.10	11
0	Min.	350	0.00	1	0.00	1	0.00	1	89239.90	11	-4470.94	11	-10225.10	1	18509.50	11	-31899.30	17
0	Min.	351	0.00	1	0.00	1	0.00	1	89239.90	11	-4470.94	11	-10225.10	1	18509.50	11	-31899.30	17
0	Min.	332	0.00	1	0.00	1	0.00	1	89239.90	11	-4470.94	11	-10225.10	1	18509.50	11	-31899.30	17
0	Min.	331	0.00	1	0.00	1	0.00	1	89239.90	11	-4470.94	11	-10225.10	1	18509.50	11	-31899.30	17
0	Max	361	0.00	1	0.00	1	0.00	1	81756.30	5	-7375.64	18	3053.15	9	-3092.12	9	-12109.10	18
0	Max	362	0.00	1	0.00	1	0.00	1	81756.30	5	-7375.64	18	3053.15	9	-3092.12	9	-12109.10	18
0	Max	343	0.00	1	0.00	1	0.00	1	81756.30	5	-7375.64	18	3053.15	9	-3092.12	9	-12109.10	18
0	Max	342	0.00	1	0.00	1	0.00	1	81756.30	5	-7375.64	18	3053.15	9	-3092.12	9	-12109.10	18
0	Min.	361	0.00	1	0.00	1	0.00	1	34350.00	18	-11185.40	5	-24895.10	17	-6398.37	17	-16961.30	7
0	Min.	362	0.00	1	0.00	1	0.00	1	34350.00	18	-11185.40	5	-24895.10	17	-6398.37	17	-16961.30	7
0	Min.	343	0.00	1	0.00	1	0.00	1	34350.00	18	-11185.40	5	-24895.10	17	-6398.37	17	-16961.30	7
0	Min.	342	0.00	1	0.00	1	0.00	1	34350.00	18	-11185.40	5	-24895.10	17	-6398.37	17	-16961.30	7
0	Max	304	0.00	1	0.00	1	0.00	1	154353.00	5	105526.00	5	6517.48	9	18753.70	5	20071.00	17
0	Max	305	0.00	1	0.00	1	0.00	1	154353.00	5	105526.00	5	6517.48	9	18753.70	5	20071.00	17
0	Max	286	0.00	1	0.00	1	0.00	1	154353.00	5	105526.00	5	6517.48	9	18753.70	5	20071.00	17
0	Max	285	0.00	1	0.00	1	0.00	1	154353.00	5	105526.00	5	6517.48	9	18753.70	5	20071.00	17
0	Min.	304	0.00	1	0.00	1	0.00	1	34057.10	17	-123245.00	17	-142391.00	17	-28244.00	17	-701.01	9
0	Min.	305	0.00	1	0.00	1	0.00	1	34057.10	17	-123245.00	17	-142391.00	17	-28244.00	17	-701.01	9
0	Min.	286	0.00	1	0.00	1	0.00	1	34057.10	17	-123245.00	17	-142391.00	17	-28244.00	17	-701.01	9
0	Min.	285	0.00	1	0.00	1	0.00	1	34057.10	17	-123245.00	17	-142391.00	17	-28244.00	17	-701.01	9
0	Max	283	0.00	1	0.00	1	0.00	1	179543.00	11	168092.00	11	11068.90	1	20397.60	11	3522.79	7
0	Max	284	0.00	1	0.00	1	0.00	1	179543.00	11	168092.00	11	11068.90	1	20397.60	11	3522.79	7
0	Max	255	0.00	1	0.00	1	0.00	1	179543.00	11	168092.00	11	11068.90	1	20397.60	11	3522.79	7
0	Max	254	0.00	1	0.00	1	0.00	1	179543.00	11	168092.00	11	11068.90	1	20397.60	11	3522.79	7
0	Min.	283	0.00	1	0.00	1	0.00	1	-30888.20	17	-538066.00	17	-106054.00	17	-84018.10	17	-1135.80	17
0	Min.	284	0.00	1	0.00	1	0.00	1	-30888.20	17	-538066.00	17	-106054.00	17	-84018.10	17	-1135.80	17
0	Min.	255	0.00	1	0.00	1	0.00	1	-30888.20	17	-538066.00	17	-106054.00	17	-84018.10	17	-1135.80	17
0	Min.	254	0.00	1	0.00	1	0.00	1	-30888.20	17	-538066.00	17	-106054.00	17	-84018.10	17	-1135.80	17
0	Max	364	0.00	1	0.00	1	0.00	1	125111.00	17	-8883.26	18	-1449.53	11	-1190.47	17	16865.40	5
0	Max	365	0.00	1	0.00	1	0.00	1	125111.00	17	-8883.26	18	-1449.53	11	-1190.47	17	16865.40	5
0	Max	346	0.00	1	0.00	1	0.00	1	125111.00	17	-8883.26	18	-1449.53	11	-1190.47	17	16865.40	5
0	Max	345	0.00	1	0.00	1	0.00	1	125111.00	17	-8883.26	18	-1449.53	11	-1190.47	17	16865.40	5
0	Min.	364	0.00	1	0.00	1	0.00	1	72701.50	1	-11305.20	17	-40406.90	17	-3874.12	11	8644.34	18
0	Min.	365	0.00	1	0.00	1	0.00	1	72701.50	1	-11305.20	17	-40406.90	17	-3874.12	11	8644.34	18
0	Min.	346	0.00	1	0.00	1	0.00	1	72701.50	1	-11305.20	17	-40406.90	17	-3874.12	11	8644.34	18
0	Min.	345	0.00	1	0.00	1	0.00	1	72701.50	1	-11305.20	17	-40406.90	17	-3874.12	11	8644.34	18
0	Max	275	0.00	1	0.00	1	0.00	1	186589.00	17	67121.00	17	124413.00	17	29465.90	17	902.44	11
0	Max	316	0.00	1	0.00	1	0.00	1	186589.00	17	67121.00	17	124413.00	17	29465.90	17	902.44	11
0	Max	297	0.00	1	0.00	1	0.00	1	186589.00	17	67121.00	17	124413.00	17	29465.90	17	902.44	11
0	Max	274	0.00	1	0.00	1	0.00	1	186589.00	17	67121.00	17	124413.00	17	29465.90	17	902.44	11
0	Min.	275	0.00	1	0.00	1	0.00	1	111097.00	7	34449.90	7	-13890.40	11	14361.80	7	-15328.90	17
0	Min.	316	0.00	1	0.00	1	0.00	1	111097.00	7	34449.90	7	-13890.40	11	14361.80	7	-15328.90	17
0	Min.	297	0.00	1	0.00	1	0.00	1	111097.00	7	34449.90	7	-13890.40	11	14361.80	7	-15328.90	17
0	Min.	274	0.00	1	0.00	1	0.00	1	111097.00	7	34449.90	7	-13890.40	11	14361.80	7	-15328.90	17
0	Max	327	0.00	1	0.00	1	0.00	1	227402.00	17	145367.00	17	41.21	11	47757.70	17	14074.20	17
0	Max	328	0.00	1	0.00	1	0.00	1	227402.00	17	145367.00	17	41.21	11	47757.70	17	14074.20	17
0	Max	309	0.00	1	0.00	1	0.00	1	227402.00	17	145367.00	17	41.21	11	47757.70	17	14074.20	17
0	Max	308	0.00	1	0.00	1	0.00	1	227402.00	17	145367.00	17	41.21	11	47757.70	17	14074.20	17
0	Min.	327	0.00	1	0.00	1	0.00	1	111755.00	1	35257.30	9	-130435.00	17	14665.20	1	-704.88	11
0	Min.	328	0.00	1	0.00	1	0.00	1	111755.00	1	35257.30	9	-130435.00	17	14665.20	1	-704.88	11
0	Min.	309	0.00	1	0.00	1	0.00	1	111755.00	1	35257.30	9	-130435.00	17	14665.20	1	-704.88	11
0	Min.	308	0.00	1	0.00	1	0.00	1	111755.00	1	35257.30	9	-130435.00	17	14665.20	1	-704.88	11
0	Max	323	0.00	1	0.00	1	0.00	1	128242.00	5	52355.50	5	541.75	9	20023.10	5	11004.20	17
0	Max	324	0.00	1	0.00	1	0.00	1	128242.00	5	52355.50	5	541.75	9	20023.10	5	11004.20	17
0	Max	305	0.00	1	0.00	1	0.00	1	128242.00	5	52355.50	5	541.75	9	20023.10	5	11004.20	17
0	Max	304	0.00	1	0.00	1	0.00	1	128242.00	5	52355.50	5	541.75	9	20023.10	5	11004.20	17
0	Min.	323	0.00	1	0.00	1	0.00	1	41417.80	17	-48094.40	17	-102503.00	17	-13552.70	17	-767.63	9
0	Min.	324	0.00	1	0.00	1	0.00	1	41417.80	17	-48094.40	17	-102503.00	17	-13552.70	17	-767.63	9
0	Min.	305	0.00	1	0.00	1	0.00	1	41417.80	17	-48094.40	17	-102503.00	17	-13552.70	17	-767.63	9
0	Min.	304	0.00	1	0.00	1	0.00	1	41417.80	17	-48094.40	17	-102503.00	17	-13552.70	17	-767.63	9
0	Max	353	0.00	1	0.00	1	0.00	1	173187.00	17	5782.54	17	88702.70	17	49360.00	17	20834.90	17
0	Max	276	0.00	1	0.00	1	0.00	1	173187.00	17	5782.54	17	88702.70	17	49360.00	17	20834.90	17
0	Max	275	0.00	1	0.00	1	0.00	1	173187.00	17	5782.54	17	88702.70	17	49360.00	17	20834.90	17
0	Max	334	0.00	1	0.00	1	0.00	1	173187.00	17	5782.54	17	88702.70	17	49360.00	17	20834.90	17
0	Min.	353	0.00	1	0.00	1	0.00	1	89495.30	5	-4694.25	5	-3460.44	9	18026.60	5	11171.80	7
0	Min.	276	0.00	1	0.00	1	0.00	1	89495.30	5	-4694.25	5	-3460.44	9	18026.60	5	11171.80	7
0	Min.	275	0.00	1	0.00	1	0.00	1	89495.30	5	-4694.25	5	-3460.44	9	18026.60	5	11171.80	7
0	Min.	334	0.00	1	0.00	1	0.00	1	89495.30	5	-4694.25	5	-3460.44	9	18026.60	5	11171.80	7
0	Max	362	0.00	1	0.00	1	0.00	1	81704.30	5	-5091.22	18	-1441.71	9	-732.82	17	16756.50	5
0	Max	363	0.00	1	0.00	1	0.00	1	81704.30	5	-5091.22	18	-1441.71	9	-732.82	17	16756.50	5
0	Max	344	0.00	1	0.00	1	0.00	1	81704.30	5	-5091.22	18	-1441.71	9	-732.82	17	16756.50	5
0	Max	343	0.00	1	0.00	1	0.00	1	81704.30	5	-5091.22	18	-1441.71	9	-732.82	17	16756.50	5
0	Min.	362	0.00	1	0.00	1	0.00	1	57906.10	18	-11074.80	5	-36121.40	17	-3897.45	11	-3260.69	17
0	Min.	363	0.00	1	0.00	1	0.00	1	57906.10	18	-11074.80	5	-36121.40	17	-3897.45	11	-3260.69	17
0	Min.	344	0.00	1	0.00	1	0.00	1	57906.10	18	-11074.80	5	-36121.40	17	-3897.45	11	-3260.69	17
0	Min.	343	0.00	1	0.00	1	0.00	1	57906.10	18	-11074.80	5	-36121.40	17	-3897.45	11	-3260.69	17
0	Max	318	0.00	1	0.00	1	0.00	1	128821.00	9	51763.70	9	89831.00	17	19997.50	9	1707.70	5
0	Max	319	0.00	1	0.00	1	0.00	1	128821.00	9	51763.70	9	89831.00	17	19997.50	9	1707.70	5
0	Max	300	0.00	1	0.00	1	0.00	1	128821.00	9	51763.70	9	89831.00	17	19997.50	9	1707.70	5
0	Max	299	0.00	1	0.00	1	0.00	1	128821.00	9	51763.70	9	89831.00	17	19997.50	9	1707.70	5
0	Min.	318	0.00	1	0.00	1	0.00	1	44346.60	17	-67018.80	17	-4977.95	5	-15523.60	17	-11116.00	17
0	Min.	319	0.00	1	0.00	1	0.00	1	44346.60	17	-67018.80	17	-4977.95	5	-15523.60	17	-11116.00	17
0	Min.	300	0.00	1	0.00	1	0.00	1	44346.60	17	-67018.80	17	-4977.95	5	-15523.60	17	-11116.00	17
0	Min.	299	0.00	1	0.00	1	0.00	1	44346.60	17	-67018.80	17	-4977.95	5	-15523.60	17	-11116.00	17
0	Max	357	0.00	1	0.00	1	0.00	1	81948.20	9	-3894.12	17	16608.60	17	-1915.86	18	7350.02	17
0	Max	358	0.00	1	0.00	1	0.00	1	81948.20	9	-3894.12	17	16608.60	17	-1915.86	18	7350.02	17
0	Max	339	0.00	1	0.00	1	0.00	1	81948.20	9	-3894.12	17	16608.60	17	-1915.86	18	7350.02	17
0	Max	338	0.00	1	0.00	1	0.00	1	81948.20	9	-3894.12	17	16608.60	17	-1915.86	18	7350.02	17
0	Min.	357	0.00	1	0.00	1	0.00	1	28842.60	18	-11175.80	11	-824.60	5	-3468.30	5	-16979.30	11
0	Min.	358	0.00	1	0.00	1	0.00	1	28842.60	18	-11175.80	11	-824.60	5	-3468.30	5	-16979.30	11
0	Min.	339	0.00	1	0.00	1	0.00	1	28842.60	18	-11175.80	11	-824.60	5	-3468.30	5	-16979.30	11
0	Min.	338	0.00	1	0.00	1	0.00	1	28842.60	18	-11175.80	11	-824.60	5	-3468.30	5	-16979.30	11
0	Max	343	0.00	1	0.00	1	0.00	1	101754.00	5	-1271.59	5	6522.65	9	22913.30	5	13123.40	7
0	Max	344	0.00	1	0.00	1	0.00	1	101754.00	5	-1271.59	5	6522.65	9	22913.30	5	13123.40	7
0	Max	325	0.00	1	0.00	1	0.00	1	101754.00	5	-1271.59	5	6522.65	9	22913.30	5	13123.40	7
0	Max	324	0.00	1	0.00	1	0.00	1	101754.00	5	-1271.59	5	6522.65	9	22913.30	5	13123.40	7
0	Min.	343	0.00	1	0.00	1	0.00	1	64331.90	18	-13629.90	17	-84759.80	17	4331.93	17	8853.27	18
0	Min.	344	0.00	1	0.00	1	0.00	1	64331.90	18	-13629.90	17	-84759.80	17	4331.93	17	8853.27	18
0	Min.	325	0.00	1	0.00	1	0.00	1	64331.90	18	-13629.90	17	-84759.80	17	4331.93	17	8853.27	18
0	Min.	324	0.00	1	0.00	1	0.00	1	64331.90	18	-13629.90	17	-84759.80	17	4331.93	17	8853.27	18
0	Max	290	0.00	1	0.00	1	0.00	1	360338.00	17	742605.00	17	11940.70	5	93775.50	17	34895.40	17
0	Max	291	0.00	1	0.00	1	0.00	1	360338.00	17	742605.00	17	11940.70	5	93775.50	17	34895.40	17
0	Max	262	0.00	1	0.00	1	0.00	1	360338.00	17	742605.00	17	11940.70	5	93775.50	17	34895.40	17

0	Max	261	0.00	1	0.00	1	0.00	1	360338.00	17	742605.00	17	11940.70	5	93775.50	17	34895.40	17
0	Min.	290	0.00	1	0.00	1	0.00	1	153337.00	9	89488.50	9	-162754.00	17	9138.85	9	-544.84	5
0	Min.	291	0.00	1	0.00	1	0.00	1	153337.00	9	89488.50	9	-162754.00	17	9138.85	9	-544.84	5
0	Min.	262	0.00	1	0.00	1	0.00	1	153337.00	9	89488.50	9	-162754.00	17	9138.85	9	-544.84	5
0	Min.	261	0.00	1	0.00	1	0.00	1	153337.00	9	89488.50	9	-162754.00	17	9138.85	9	-544.84	5
0	Max	273	0.00	1	0.00	1	0.00	1	301961.00	17	206289.00	17	279125.00	17	36012.60	17	3493.64	9
0	Max	278	0.00	1	0.00	1	0.00	1	301961.00	17	206289.00	17	279125.00	17	36012.60	17	3493.64	9
0	Max	249	0.00	1	0.00	1	0.00	1	301961.00	17	206289.00	17	279125.00	17	36012.60	17	3493.64	9
0	Max	2	0.00	1	0.00	1	0.00	1	301961.00	17	206289.00	17	279125.00	17	36012.60	17	3493.64	9
0	Min.	273	0.00	1	0.00	1	0.00	1	152647.00	5	89327.20	7	-19110.10	11	9089.58	7	-34733.10	17
0	Min.	278	0.00	1	0.00	1	0.00	1	152647.00	5	89327.20	7	-19110.10	11	9089.58	7	-34733.10	17
0	Min.	249	0.00	1	0.00	1	0.00	1	152647.00	5	89327.20	7	-19110.10	11	9089.58	7	-34733.10	17
0	Min.	2	0.00	1	0.00	1	0.00	1	152647.00	5	89327.20	7	-19110.10	11	9089.58	7	-34733.10	17
0	Max	322	0.00	1	0.00	1	0.00	1	128118.00	11	50923.70	5	9054.39	9	19716.70	11	6775.30	17
0	Max	323	0.00	1	0.00	1	0.00	1	128118.00	11	50923.70	5	9054.39	9	19716.70	11	6775.30	17
0	Max	304	0.00	1	0.00	1	0.00	1	128118.00	11	50923.70	5	9054.39	9	19716.70	11	6775.30	17
0	Max	303	0.00	1	0.00	1	0.00	1	128118.00	11	50923.70	5	9054.39	9	19716.70	11	6775.30	17
0	Min.	322	0.00	1	0.00	1	0.00	1	14444.30	17	-84492.50	17	-69099.90	17	-23586.40	17	83.73	1
0	Min.	323	0.00	1	0.00	1	0.00	1	14444.30	17	-84492.50	17	-69099.90	17	-23586.40	17	83.73	1
0	Min.	304	0.00	1	0.00	1	0.00	1	14444.30	17	-84492.50	17	-69099.90	17	-23586.40	17	83.73	1
0	Min.	303	0.00	1	0.00	1	0.00	1	14444.30	17	-84492.50	17	-69099.90	17	-23586.40	17	83.73	1
0	Max	285	0.00	1	0.00	1	0.00	1	178491.00	5	169147.00	5	11997.70	9	20326.30	5	22385.30	17
0	Max	286	0.00	1	0.00	1	0.00	1	178491.00	5	169147.00	5	11997.70	9	20326.30	5	22385.30	17
0	Max	257	0.00	1	0.00	1	0.00	1	178491.00	5	169147.00	5	11997.70	9	20326.30	5	22385.30	17
0	Max	256	0.00	1	0.00	1	0.00	1	178491.00	5	169147.00	5	11997.70	9	20326.30	5	22385.30	17
0	Min.	285	0.00	1	0.00	1	0.00	1	13054.90	17	-289620.00	17	-243762.00	17	-54585.10	17	-547.67	9
0	Min.	286	0.00	1	0.00	1	0.00	1	13054.90	17	-289620.00	17	-243762.00	17	-54585.10	17	-547.67	9
0	Min.	257	0.00	1	0.00	1	0.00	1	13054.90	17	-289620.00	17	-243762.00	17	-54585.10	17	-547.67	9
0	Min.	256	0.00	1	0.00	1	0.00	1	13054.90	17	-289620.00	17	-243762.00	17	-54585.10	17	-547.67	9
0	Max	370	0.00	1	0.00	1	0.00	1	172211.00	17	-9925.96	11	10791.90	17	-3458.13	9	47802.70	17
0	Max	371	0.00	1	0.00	1	0.00	1	172211.00	17	-9925.96	11	10791.90	17	-3458.13	9	47802.70	17
0	Max	352	0.00	1	0.00	1	0.00	1	172211.00	17	-9925.96	11	10791.90	17	-3458.13	9	47802.70	17
0	Max	351	0.00	1	0.00	1	0.00	1	172211.00	17	-9925.96	11	10791.90	17	-3458.13	9	47802.70	17
0	Min.	370	0.00	1	0.00	1	0.00	1	72916.40	5	-24483.90	17	-5214.08	1	-7738.98	17	13871.10	11
0	Min.	371	0.00	1	0.00	1	0.00	1	72916.40	5	-24483.90	17	-5214.08	1	-7738.98	17	13871.10	11
0	Min.	352	0.00	1	0.00	1	0.00	1	72916.40	5	-24483.90	17	-5214.08	1	-7738.98	17	13871.10	11
0	Min.	351	0.00	1	0.00	1	0.00	1	72916.40	5	-24483.90	17	-5214.08	1	-7738.98	17	13871.10	11
0	Max	367	0.00	1	0.00	1	0.00	1	174748.00	17	-10084.40	11	3066.19	5	-3080.29	5	-13964.40	11
0	Max	368	0.00	1	0.00	1	0.00	1	174748.00	17	-10084.40	11	3066.19	5	-3080.29	5	-13964.40	11
0	Max	349	0.00	1	0.00	1	0.00	1	174748.00	17	-10084.40	11	3066.19	5	-3080.29	5	-13964.40	11
0	Max	348	0.00	1	0.00	1	0.00	1	174748.00	17	-10084.40	11	3066.19	5	-3080.29	5	-13964.40	11
0	Min.	367	0.00	1	0.00	1	0.00	1	72643.20	9	-23940.00	17	-13692.70	17	-6290.71	17	-47808.50	17
0	Min.	368	0.00	1	0.00	1	0.00	1	72643.20	9	-23940.00	17	-13692.70	17	-6290.71	17	-47808.50	17
0	Min.	349	0.00	1	0.00	1	0.00	1	72643.20	9	-23940.00	17	-13692.70	17	-6290.71	17	-47808.50	17
0	Min.	348	0.00	1	0.00	1	0.00	1	72643.20	9	-23940.00	17	-13692.70	17	-6290.71	17	-47808.50	17
0	Max	314	0.00	1	0.00	1	0.00	1	343918.00	17	348517.00	17	133191.00	17	68048.70	17	2372.73	9
0	Max	315	0.00	1	0.00	1	0.00	1	343918.00	17	348517.00	17	133191.00	17	68048.70	17	2372.73	9
0	Max	296	0.00	1	0.00	1	0.00	1	343918.00	17	348517.00	17	133191.00	17	68048.70	17	2372.73	9
0	Max	295	0.00	1	0.00	1	0.00	1	343918.00	17	348517.00	17	133191.00	17	68048.70	17	2372.73	9
0	Min.	314	0.00	1	0.00	1	0.00	1	132350.00	5	66020.70	5	-13217.20	9	11368.50	5	-17958.20	17
0	Min.	315	0.00	1	0.00	1	0.00	1	132350.00	5	66020.70	5	-13217.20	9	11368.50	5	-17958.20	17
0	Min.	296	0.00	1	0.00	1	0.00	1	132350.00	5	66020.70	5	-13217.20	9	11368.50	5	-17958.20	17
0	Min.	295	0.00	1	0.00	1	0.00	1	132350.00	5	66020.70	5	-13217.20	9	11368.50	5	-17958.20	17
0	Max	295	0.00	1	0.00	1	0.00	1	424484.00	17	630450.00	17	232352.00	17	93781.10	17	3323.76	9
0	Max	296	0.00	1	0.00	1	0.00	1	424484.00	17	630450.00	17	232352.00	17	93781.10	17	3323.76	9
0	Max	267	0.00	1	0.00	1	0.00	1	424484.00	17	630450.00	17	232352.00	17	93781.10	17	3323.76	9
0	Max	266	0.00	1	0.00	1	0.00	1	424484.00	17	630450.00	17	232352.00	17	93781.10	17	3323.76	9
0	Min.	295	0.00	1	0.00	1	0.00	1	153347.00	5	89478.70	5	-19117.60	9	9139.13	5	-19141.70	17
0	Min.	296	0.00	1	0.00	1	0.00	1	153347.00	5	89478.70	5	-19117.60	9	9139.13	5	-19141.70	17
0	Min.	267	0.00	1	0.00	1	0.00	1	153347.00	5	89478.70	5	-19117.60	9	9139.13	5	-19141.70	17
0	Min.	266	0.00	1	0.00	1	0.00	1	153347.00	5	89478.70	5	-19117.60	9	9139.13	5	-19141.70	17
0	Max	356	0.00	1	0.00	1	0.00	1	81797.10	9	-7741.63	18	22011.30	17	-3455.87	5	16850.50	1
0	Max	357	0.00	1	0.00	1	0.00	1	81797.10	9	-7741.63	18	22011.30	17	-3455.87	5	16850.50	1
0	Max	338	0.00	1	0.00	1	0.00	1	81797.10	9	-7741.63	18	22011.30	17	-3455.87	5	16850.50	1
0	Max	337	0.00	1	0.00	1	0.00	1	81797.10	9	-7741.63	18	22011.30	17	-3455.87	5	16850.50	1
0	Min.	356	0.00	1	0.00	1	0.00	1	32664.10	18	-11055.80	1	-5327.14	5	-6540.82	17	10729.00	18
0	Min.	357	0.00	1	0.00	1	0.00	1	32664.10	18	-11055.80	1	-5327.14	5	-6540.82	17	10729.00	18
0	Min.	338	0.00	1	0.00	1	0.00	1	32664.10	18	-11055.80	1	-5327.14	5	-6540.82	17	10729.00	18
0	Min.	337	0.00	1	0.00	1	0.00	1	32664.10	18	-11055.80	1	-5327.14	5	-6540.82	17	10729.00	18
0	Max	299	0.00	1	0.00	1	0.00	1	154494.00	9	105388.00	9	115403.00	17	18768.40	9	2112.70	5
0	Max	300	0.00	1	0.00	1	0.00	1	154494.00	9	105388.00	9	115403.00	17	18768.40	9	2112.70	5
0	Max	281	0.00	1	0.00	1	0.00	1	154494.00	9	105388.00	9	115403.00	17	18768.40	9	2112.70	5
0	Max	280	0.00	1	0.00	1	0.00	1	154494.00	9	105388.00	9	115403.00	17	18768.40	9	2112.70	5
0	Min.	299	0.00	1	0.00	1	0.00	1	48163.10	17	-165490.00	17	-11992.30	5	-29685.30	17	-21485.00	17
0	Min.	300	0.00	1	0.00	1	0.00	1	48163.10	17	-165490.00	17	-11992.30	5	-29685.30	17	-21485.00	17
0	Min.	281	0.00	1	0.00	1	0.00	1	48163.10	17	-165490.00	17	-11992.30	5	-29685.30	17	-21485.00	17
0	Min.	280	0.00	1	0.00	1	0.00	1	48163.10	17	-165490.00	17	-11992.30	5	-29685.30	17	-21485.00	17
0	Max	328	0.00	1	0.00	1	0.00	1	272453.00	17	179515.00	17	9697.63	5	60726.40	17	13434.20	17
0	Max	329	0.00	1	0.00	1	0.00	1	272453.00	17	179515.00	17	9697.63	5	60726.40	17	13434.20	17
0	Max	310	0.00	1	0.00	1	0.00	1	272453.00	17	179515.00	17	9697.63	5	60726.40	17	13434.20	17
0	Max	309	0.00	1	0.00	1	0.00	1	272453.00	17	179515.00	17	9697.63	5	60726.40	17	13434.20	17
0	Min.	328	0.00	1	0.00	1	0.00	1	111604.00	9	34079.30	9	-83788.50	17	14362.70	9	75.03	5
0	Min.	329	0.00	1	0.00	1	0.00	1	111604.00	9	34079.30	9	-83788.50	17	14362.70	9	75.03	5
0	Min.	310	0.00	1	0.00	1	0.00	1	111604.00	9	34079.30	9	-83788.50	17	14362.70	9	75.03	5
0	Min.	309	0.00	1	0.00	1	0.00	1	111604.00	9	34079.30	9	-83788.50	17	14362.70	9	75.03	5
0	Max	335	0.00	1	0.00	1	0.00	1	103535.00	17	-1294.54	1	92240.50	17	22905.90	1	13102.70	1
0	Max	336	0.00	1	0.00	1	0.00	1	103535.00	17	-1294.54	1	92240.50	17	22905.90	1	13102.70	1
0	Max	317	0.00	1	0.00	1	0.00	1	103535.00	17	-1294.54	1	92240.50	17	22905.90	1	13102.70	1
0	Max	316	0.00	1	0.00	1	0.00	1	103535.00	17	-1294.54	1	92240.50	17	22905.90	1	13102.70	1
0	Min.	335	0.00	1	0.00	1	0.00	1	80812.30	18	-14319.50	17	-3410.61	11	17449.40	18	7795.53	18
0	Min.	336	0.00	1	0.00	1	0.00	1	80812.30	18	-14319.50	17	-3410.61	11	17449.40	18	7795.53	18
0	Min.	317	0.00	1	0.00	1	0.00	1	80812.30	18	-14319.50	17	-3410.61	11	17449.40	18	7795.53	18
0	Min.	316	0.00	1	0.00	1	0.00	1	80812.30	18	-14319.50	17	-3410.61	11	17449.40	18	7795.53	18
0	Max	369	0.00	1	0.00	1	0.00	1	186847.00	17	-10124.00	11	8381.32	17	-3080.13	7	-13997.40	5
0	Max	370	0.00	1	0.00	1	0.00	1	186847.00	17	-10124.00	11	8381.32	17	-3080.13	7	-13997.40	5
0	Max	351	0.00	1	0.00	1	0.00	1	186847.00	17	-10124.00	11	8381.32	17	-3080.13	7	-13997.40	5
0	Max	350	0.00	1	0.00	1	0.00	1	186847.00	17	-10124.00	11	8381.32	17	-3080.13	7	-13997.40	5
0	Min.	369	0.00	1	0.00	1	0.00	1	72653.20	11	-23137.40	17	-810.48	1	-4186.95	17	-40402.90	17
0	Min.	370	0.00	1	0.00	1	0.00	1	72653.20	11	-23137.40	17	-810.48	1	-4186.95	17	-40402.90	17
0	Min.	351	0.00	1	0.00	1	0.00	1	72653.20	11	-23137.40	17	-810.48	1	-4186.95	17	-40402.90	17
0	Min.	350	0.00	1	0.00	1	0.00	1	72653.20	11	-23137.40	17	-810.48	1	-4186.95	17	-40402.90	17
102	Max	110	136359.00	9	164211.00	17	4352.10	9	1050.99	5	328.26	17	166.37	5	51001.70	5	381310.00	17
102	Max	111	136359.00	9	164211.00	17	4352.10	9	1050.99	5	328.26	17	166.37	5	51001.70	5	381310.00	17
102	Max	-49	136359.00	9	164211.00	17	4352.10	9	1050.99	5	328.26	17	166.37	5	51001.70	5	381310.00	17
102	Max	-68	136359.00	9	164211.00	17	4352.10	9	1050.99	5	328.26	17	166.37	5	51001.70	5	381310.00	17

102	Min.	110	-2695640.00	17	-53982.90	9	-674100.00	17	-17360.40	17	-107.20	3	-492.14	17	-787806.00	17	-25634.00	5
102	Min.	111	-2695640.00	17	-53982.90	9	-674100.00	17	-17360.40	17	-107.20	3	-492.14	17	-787806.00	17	-25634.00	5
102	Min.	-49	-2695640.00	17	-53982.90	9	-674100.00	17	-17360.40	17	-107.20	3	-492.14	17	-787806.00	17	-25634.00	5
102	Min.	-68	-2695640.00	17	-53982.90	9	-674100.00	17	-17360.40	17	-107.20	3	-492.14	17	-787806.00	17	-25634.00	5
102	Max	110	2479430.00	17	-18340.20	9	547786.00	17	14808.40	17	3587.25	17	4610.54	17	775171.00	17	25655.80	5
102	Max	111	2479430.00	17	-18340.20	9	547786.00	17	14808.40	17	3587.25	17	4610.54	17	775171.00	17	25655.80	5
102	Max	-39	2479430.00	17	-18340.20	9	547786.00	17	14808.40	17	3587.25	17	4610.54	17	775171.00	17	25655.80	5
102	Max	-58	2479430.00	17	-18340.20	9	547786.00	17	14808.40	17	3587.25	17	4610.54	17	775171.00	17	25655.80	5
102	Min.	110	-296665.00	9	-261449.00	17	-97826.70	9	-1050.70	5	-107.20	5	-166.25	5	-50962.80	5	-404577.00	17
102	Min.	111	-296665.00	9	-261449.00	17	-97826.70	9	-1050.70	5	-107.20	5	-166.25	5	-50962.80	5	-404577.00	17
102	Min.	-39	-296665.00	9	-261449.00	17	-97826.70	9	-1050.70	5	-107.20	5	-166.25	5	-50962.80	5	-404577.00	17
102	Min.	-58	-296665.00	9	-261449.00	17	-97826.70	9	-1050.70	5	-107.20	5	-166.25	5	-50962.80	5	-404577.00	17
103	Max	110	1329020.00	17	-18325.70	1	276640.00	17	17898.80	17	3900.37	17	5100.73	17	925081.00	17	25655.80	11
103	Max	111	1329020.00	17	-18325.70	1	276640.00	17	17898.80	17	3900.37	17	5100.73	17	925081.00	17	25655.80	11
103	Max	-38	1329020.00	17	-18325.70	1	276640.00	17	17898.80	17	3900.37	17	5100.73	17	925081.00	17	25655.80	11
103	Max	-57	1329020.00	17	-18325.70	1	276640.00	17	17898.80	17	3900.37	17	5100.73	17	925081.00	17	25655.80	11
103	Min.	110	-296653.00	1	-166843.00	17	-97818.60	1	-1050.76	11	-107.18	11	-166.27	11	-50966.00	11	-479998.00	17
103	Min.	111	-296653.00	1	-166843.00	17	-97818.60	1	-1050.76	11	-107.18	11	-166.27	11	-50966.00	11	-479998.00	17
103	Min.	-38	-296653.00	1	-166843.00	17	-97818.60	1	-1050.76	11	-107.18	11	-166.27	11	-50966.00	11	-479998.00	17
103	Min.	-57	-296653.00	1	-166843.00	17	-97818.60	1	-1050.76	11	-107.18	11	-166.27	11	-50966.00	11	-479998.00	17
103	Max	110	136347.00	1	69604.60	17	4344.00	1	1051.04	11	107.16	11	166.39	11	51004.90	11	456731.00	17
103	Max	111	136347.00	1	69604.60	17	4344.00	1	1051.04	11	107.16	11	166.39	11	51004.90	11	456731.00	17
103	Max	-48	136347.00	1	69604.60	17	4344.00	1	1051.04	11	107.16	11	166.39	11	51004.90	11	456731.00	17
103	Max	-67	136347.00	1	69604.60	17	4344.00	1	1051.04	11	107.16	11	166.39	11	51004.90	11	456731.00	17
103	Min.	110	-1545230.00	17	-53997.40	1	-402954.00	17	-20450.80	17	-107.18	13	-982.33	17	-937717.00	17	-25634.00	11
103	Min.	111	-1545230.00	17	-53997.40	1	-402954.00	17	-20450.80	17	-107.18	13	-982.33	17	-937717.00	17	-25634.00	11
103	Min.	-48	-1545230.00	17	-53997.40	1	-402954.00	17	-20450.80	17	-107.18	13	-982.33	17	-937717.00	17	-25634.00	11
103	Min.	-67	-1545230.00	17	-53997.40	1	-402954.00	17	-20450.80	17	-107.18	13	-982.33	17	-937717.00	17	-25634.00	11
104	Max	110	149187.00	1	-17275.70	7	7376.01	1	1113.31	11	113.52	11	176.24	11	54025.60	11	486307.00	17
104	Max	111	149187.00	1	-17275.70	7	7376.01	1	1113.31	11	113.52	11	176.24	11	54025.60	11	486307.00	17
104	Max	-47	149187.00	1	-17275.70	7	7376.01	1	1113.31	11	113.52	11	176.24	11	54025.60	11	486307.00	17
104	Max	-66	149187.00	1	-17275.70	7	7376.01	1	1113.31	11	113.52	11	176.24	11	54025.60	11	486307.00	17
104	Min.	110	-309493.00	7	-55047.40	1	-100851.00	7	-21664.30	17	-113.54	13	-1174.80	17	-996456.00	17	-27154.20	11
104	Min.	111	-309493.00	7	-55047.40	1	-100851.00	7	-21664.30	17	-113.54	13	-1174.80	17	-996456.00	17	-27154.20	11
104	Min.	-47	-309493.00	7	-55047.40	1	-100851.00	7	-21664.30	17	-113.54	13	-1174.80	17	-996456.00	17	-27154.20	11
104	Min.	-66	-309493.00	7	-55047.40	1	-100851.00	7	-21664.30	17	-113.54	13	-1174.80	17	-996456.00	17	-27154.20	11
104	Max	110	149187.00	7	-17275.70	1	7376.01	7	19112.20	17	4023.33	17	5293.19	17	983821.00	17	27176.00	11
104	Max	111	149187.00	7	-17275.70	1	7376.01	7	19112.20	17	4023.33	17	5293.19	17	983821.00	17	27176.00	11
104	Max	-37	149187.00	7	-17275.70	1	7376.01	7	19112.20	17	4023.33	17	5293.19	17	983821.00	17	27176.00	11
104	Max	-56	149187.00	7	-17275.70	1	7376.01	7	19112.20	17	4023.33	17	5293.19	17	983821.00	17	27176.00	11
104	Min.	110	-309493.00	1	-60662.80	17	-100851.00	1	-1113.03	11	-113.54	11	-176.12	11	-53986.70	11	-509574.00	17
104	Min.	111	-309493.00	1	-60662.80	17	-100851.00	1	-1113.03	11	-113.54	11	-176.12	11	-53986.70	11	-509574.00	17
104	Min.	-37	-309493.00	1	-60662.80	17	-100851.00	1	-1113.03	11	-113.54	11	-176.12	11	-53986.70	11	-509574.00	17
104	Min.	-56	-309493.00	1	-60662.80	17	-100851.00	1	-1113.03	11	-113.54	11	-176.12	11	-53986.70	11	-509574.00	17
105	Max	111	9982.43	7	75345.50	7	735705.00	17	13130.10	17	9143.86	17	506.83	9	932237.00	17	515428.00	17
105	Max	-1	9982.43	7	75345.50	7	735705.00	17	13130.10	17	9143.86	17	506.83	9	932237.00	17	515428.00	17
105	Max	-19	9982.43	7	75345.50	7	735705.00	17	13130.10	17	9143.86	17	506.83	9	932237.00	17	515428.00	17
105	Max	110	9982.43	7	75345.50	7	735705.00	17	13130.10	17	9143.86	17	506.83	9	932237.00	17	515428.00	17
105	Min.	111	-666479.00	17	-554289.00	17	-91379.00	7	-558.49	9	-616.66	9	-8630.46	17	-50335.70	9	-28628.40	9
105	Min.	-1	-666479.00	17	-554289.00	17	-91379.00	7	-558.49	9	-616.66	9	-8630.46	17	-50335.70	9	-28628.40	9
105	Min.	-19	-666479.00	17	-554289.00	17	-91379.00	7	-558.49	9	-616.66	9	-8630.46	17	-50335.70	9	-28628.40	9
105	Min.	110	-666479.00	17	-554289.00	17	-91379.00	7	-558.49	9	-616.66	9	-8630.46	17	-50335.70	9	-28628.40	9
105	Max	110	1051250.00	17	-18062.10	5	209330.00	17	1066.66	9	108.77	11	168.86	9	51762.60	9	467141.00	17
105	Max	111	1051250.00	17	-18062.10	5	209330.00	17	1066.66	9	108.77	11	168.86	9	51762.60	9	467141.00	17
105	Max	-46	1051250.00	17	-18062.10	5	209330.00	17	1066.66	9	108.77	11	168.86	9	51762.60	9	467141.00	17
105	Max	-65	1051250.00	17	-18062.10	5	209330.00	17	1066.66	9	108.77	11	168.86	9	51762.60	9	467141.00	17
105	Min.	110	-299883.00	7	-143933.00	17	-98586.10	7	-20881.90	17	-108.79	13	-1050.70	17	-958273.00	17	-26015.30	11
105	Min.	111	-299883.00	7	-143933.00	17	-98586.10	7	-20881.90	17	-108.79	13	-1050.70	17	-958273.00	17	-26015.30	11
105	Min.	-46	-299883.00	7	-143933.00	17	-98586.10	7	-20881.90	17	-108.79	13	-1050.70	17	-958273.00	17	-26015.30	11
105	Min.	-65	-299883.00	7	-143933.00	17	-98586.10	7	-20881.90	17	-108.79	13	-1050.70	17	-958273.00	17	-26015.30	11
106	Max	110	149188.00	9	237984.00	17	7376.52	9	1113.31	5	800.89	17	247.79	17	54025.40	5	267424.00	17
106	Max	111	149188.00	9	237984.00	17	7376.52	9	1113.31	5	800.89	17	247.79	17	54025.40	5	267424.00	17
106	Max	-50	149188.00	9	237984.00	17	7376.52	9	1113.31	5	800.89	17	247.79	17	54025.40	5	267424.00	17
106	Max	-69	149188.00	9	237984.00	17	7376.52	9	1113.31	5	800.89	17	247.79	17	54025.40	5	267424.00	17
106	Min.	110	-3592770.00	17	-55046.50	9	-885445.00	17	-12695.60	17	-113.54	3	-176.12	3	-561398.00	17	-27154.20	5
106	Min.	111	-3592770.00	17	-55046.50	9	-885445.00	17	-12695.60	17	-113.54	3	-176.12	3	-561398.00	17	-27154.20	5
106	Min.	-50	-3592770.00	17	-55046.50	9	-885445.00	17	-12695.60	17	-113.54	3	-176.12	3	-561398.00	17	-27154.20	5
106	Min.	-69	-3592770.00	17	-55046.50	9	-885445.00	17	-12695.60	17	-113.54	3	-176.12	3	-561398.00	17	-27154.20	5
106	Max	110	3376560.00	17	-17276.80	9	759131.00	17	10143.60	17	3114.63	17	3870.60	17	548762.00	17	27176.00	5
106	Max	111	3376560.00	17	-17276.80	9	759131.00	17	10143.60	17	3114.63	17	3870.60	17	548762.00	17	27176.00	5
106	Max	-40	3376560.00	17	-17276.80	9	759131.00	17	10143.60	17	3114.63	17	3870.60	17	548762.00	17	27176.00	5
106	Max	-59	3376560.00	17	-17276.80	9	759131.00	17	10143.60	17	3114.63	17	3870.60	17	548762.00	17	27176.00	5
106	Min.	110	-309493.00	9	-335222.00	17	-100851.00	9	-1113.02	5	-113.54	5	-176.12	5	-53986.50	5	-290691.00	17
106	Min.	111	-309493.00	9	-335222.00	17	-100851.00	9	-1113.02	5	-113.54	5	-176.12	5	-53986.50	5	-290691.00	17
106	Min.	-40	-309493.00	9	-335222.00	17	-100851.00	9	-1113.02	5	-113.54	5	-176.12	5	-53986.50	5	-290691.00	17
106	Min.	-59	-309493.00	9	-335222.00	17	-100851.00	9	-1113.02	5	-113.54	5	-176.12	5	-53986.50	5	-290691.00	17
107	Max	110	3932590.00	17	-18062.20	9	889988.00	17	4360.89	17	2528.76	17	2953.35	17	268018.00	17	26037.10	7
107	Max	111	3932590.00	17	-18062.20	9	889988.00	17	4360.89	17	2528.76	17	2953.35	17	268018.00	17	26037.10	7
107	Max	-41	3932590.00	17	-18062.20	9	889988.00	17	4360.89	17	2528.76	17	2953.35	17	268018.00	17	26037.10	7
107	Max	-60	3932590.00	17	-18062.20	9	889988.00	17	4360.89	17	2528.76	17	2953.35	17	268018.00	17	26037.10	7
107	Min.	110	-299883.00	11	-380937.00	17	-98586.10	11	-1066.38	5	-108.79	7	-168.74	5	-51723.70	5	-149489.00	17
107	Min.	111	-299883.00	11	-380937.00	17	-98586.10	11	-1066.38	5	-108.79	7	-168.74	5	-51723.70	5	-149489.00	17
107	Min.	-41	-299883.00	11	-380937.00	17	-98586.10	11	-1066.38	5	-108.79	7	-168.74	5	-51723.70	5	-149489.00	17
107	Min.	-60	-299883.00	11	-380937.00	17	-98586.10	11	-1066.38	5	-108.79	7	-168.74	5	-51723.70	5	-149489.00	17
107	Max	110	139577.00	11	283698.00	17	5110.96	11	1066.66	5	1386.76	17	1165.03	17	51762.60	5	126222.00	17
107	Max	111	139577.00	11	283698.00	17	5110.96	11	1066.66	5	1386.76	17	1165.03	17	51762.60	5	126222.00	17
107	Max	-51	139577.00	11	283698.00	17	5110.96	11	1066.66	5	1386.76	17	1165.03	17	51762.60	5	126222.00	17
107	Max	-70	139577.00	11	283698.00	17	5110.96	11	1066.66	5	1386.76	17	1165.03	17	51762.60	5	126222.00	17
107	Min.	110	-4148800.00	17	-54261.40	9	-1016300.00	17	-6912.91	17	-108.79	1	-168.74	3	-280653.00	17	-26015.30	7
107	Min.	111	-4148800.00	17	-54261.40	9	-1016300.00	17	-6912.91	17	-108.79	1	-168.74	3	-280653.00	17	-26015.30	7
107	Min.	-51	-4148800.00	17	-54261.40	9	-1016300.00	17	-6912.91	17	-108.79	1	-168.74	3	-280653.00	17	-26015.30	7
107	Min.	-70	-4148800.00	17	-54261.40	9	-1016300.00	17	-6912.91	17	-108.79	1	-168.74	3	-280653.00	17	-26015.30	7
108	Max	110	4093080.00	17	-17275.80	11	927537.00	17	1113.31	1	1887.00	17	1948.58	17	54025.60	1	27176.00	7
108	Max	111	4093080.00	17	-17275.80	11	927537.00	17	1113.31	1	1887.00	17	1948.58	17	54025.60	1	27176.00	7
108	Max	-42	4093080.00	17	-17275.80	11	927537.00	17	1113.31	1	1887.00	17	1948.58	17	54025.60	1	27176.00	7
108	Max	-61	4093080.00	17	-17275.80	11	927537.00	17	1113.31	1	1887.00	17	1948.58	17	54025.60	1	27176.00	7
108	Min.	110	-309493.00	11	-394130.00	17	-100851.00	11	-1973.57	17	-113.54	7	-176.12	7	-53986.70	7	-27154.20	1
108	Min.	111	-309493.00	11	-394130.00	17	-100851.00	11	-1973.57	17	-113.54	7	-176.12	7	-53986.70	7	-27154.20	1
108	Min.	-42	-309493.00	11	-394130.00	17	-100851.00	11	-1973.57	17	-113.54	7	-176.12	7	-53986.70	7	-27154.20	1
108	Min.	-61	-309493.00	11	-394130.00	17	-100851.00	11	-1973.57	17	-113.54	7	-176.12	7	-53986.70	7	-27154.20	1
108	Max	110	149187.00	11	296892.00	17	7375.98	11	1113.31	7	2028.51	17	2169.81	17	54025.60	7	27176.00	1
108	Max	111	149187.00	11	296892.00	17	7375.98	11	1113.31	7	2028.51	17	2169.81	17	54025.60	7	27176.00	1
108	Max	-52	149187.00	11	296892.00	17	7375.98	11	1113.31	7	2028.51	17	2169.81	17	54025.60	7	27176.00	1
108	Max	-71	149187.00	11	296892.00	17	7375.98	11	1113.31	7	2028.51	17	2169.81	17	54025.60	7	27176.00	1
108	Min.	110	-4309300.00	17	-55047.50	11	-1053850.00	17	-1113.03	1	-113.54	1	-176.12	1	-53986.70	1	-28474.70	17

108	Min.	111	-4309300.00	17	-55047.50	11	-1053850.00	17	-1113.03	1	-113.54	1	-176.12	1	-53986.70	1	-28474.70	17
108	Min.	-52	-4309300.00	17	-55047.50	11	-1053850.00	17	-1113.03	1	-113.54	1	-176.12	1	-53986.70	1	-28474.70	17
108	Min.	-71	-4309300.00	17	-55047.50	11	-1053850.00	17	-1113.03	1	-113.54	1	-176.12	1	-53986.70	1	-28474.70	17
109	Max	110	136347.00	11	276261.00	17	4344.01	11	5687.73	17	2663.35	17	3163.76	17	331287.00	17	25655.80	1
109	Max	111	136347.00	11	276261.00	17	4344.01	11	5687.73	17	2663.35	17	3163.76	17	331287.00	17	25655.80	1
109	Max	-53	136347.00	11	276261.00	17	4344.01	11	5687.73	17	2663.35	17	3163.76	17	331287.00	17	25655.80	1
109	Max	-72	136347.00	11	276261.00	17	4344.01	11	5687.73	17	2663.35	17	3163.76	17	331287.00	17	25655.80	1
109	Min.	110	-4058550.00	17	-53997.40	11	-994426.00	17	-1050.76	1	-107.18	1	-166.27	1	-50966.00	1	-181523.00	17
109	Min.	111	-4058550.00	17	-53997.40	11	-994426.00	17	-1050.76	1	-107.18	1	-166.27	1	-50966.00	1	-181523.00	17
109	Min.	-53	-4058550.00	17	-53997.40	11	-994426.00	17	-1050.76	1	-107.18	1	-166.27	1	-50966.00	1	-181523.00	17
109	Min.	-72	-4058550.00	17	-53997.40	11	-994426.00	17	-1050.76	1	-107.18	1	-166.27	1	-50966.00	1	-181523.00	17
109	Max	110	3842330.00	17	-18325.70	11	868112.00	17	1051.04	1	1252.17	17	954.64	17	51004.90	1	158255.00	17
109	Max	111	3842330.00	17	-18325.70	11	868112.00	17	1051.04	1	1252.17	17	954.64	17	51004.90	1	158255.00	17
109	Max	-43	3842330.00	17	-18325.70	11	868112.00	17	1051.04	1	1252.17	17	954.64	17	51004.90	1	158255.00	17
109	Max	-62	3842330.00	17	-18325.70	11	868112.00	17	1051.04	1	1252.17	17	954.64	17	51004.90	1	158255.00	17
109	Min.	110	-296653.00	11	-373499.00	17	-97818.60	11	-8239.75	17	-107.18	7	-166.27	7	-343922.00	17	-25634.00	1
109	Min.	111	-296653.00	11	-373499.00	17	-97818.60	11	-8239.75	17	-107.18	7	-166.27	7	-343922.00	17	-25634.00	1
109	Min.	-43	-296653.00	11	-373499.00	17	-97818.60	11	-8239.75	17	-107.18	7	-166.27	7	-343922.00	17	-25634.00	1
109	Min.	-62	-296653.00	11	-373499.00	17	-97818.60	11	-8239.75	17	-107.18	7	-166.27	7	-343922.00	17	-25634.00	1
110	Max	110	3204890.00	17	-18340.20	5	717531.00	17	1050.99	9	686.40	17	166.37	9	51001.70	9	294672.00	17
110	Max	111	3204890.00	17	-18340.20	5	717531.00	17	1050.99	9	686.40	17	166.37	9	51001.70	9	294672.00	17
110	Max	-44	3204890.00	17	-18340.20	5	717531.00	17	1050.99	9	686.40	17	166.37	9	51001.70	9	294672.00	17
110	Max	-63	3204890.00	17	-18340.20	5	717531.00	17	1050.99	9	686.40	17	166.37	9	51001.70	9	294672.00	17
110	Min.	110	-296665.00	5	-321065.00	17	-97826.70	5	-13824.20	17	-107.20	15	-166.25	15	-615215.00	17	-25634.00	9
110	Min.	111	-296665.00	5	-321065.00	17	-97826.70	5	-13824.20	17	-107.20	15	-166.25	15	-615215.00	17	-25634.00	9
110	Min.	-44	-296665.00	5	-321065.00	17	-97826.70	5	-13824.20	17	-107.20	15	-166.25	15	-615215.00	17	-25634.00	9
110	Min.	-63	-296665.00	5	-321065.00	17	-97826.70	5	-13824.20	17	-107.20	15	-166.25	15	-615215.00	17	-25634.00	9
110	Max	110	136359.00	5	223827.00	17	4352.08	5	11272.20	17	3229.11	17	4049.58	17	602580.00	17	25655.80	9
110	Max	111	136359.00	5	223827.00	17	4352.08	5	11272.20	17	3229.11	17	4049.58	17	602580.00	17	25655.80	9
110	Max	-54	136359.00	5	223827.00	17	4352.08	5	11272.20	17	3229.11	17	4049.58	17	602580.00	17	25655.80	9
110	Max	-73	136359.00	5	223827.00	17	4352.08	5	11272.20	17	3229.11	17	4049.58	17	602580.00	17	25655.80	9
110	Min.	110	-3421110.00	17	-53982.90	5	-843845.00	17	-1050.70	9	-107.20	9	-166.25	9	-50962.80	9	-317939.00	17
110	Min.	111	-3421110.00	17	-53982.90	5	-843845.00	17	-1050.70	9	-107.20	9	-166.25	9	-50962.80	9	-317939.00	17
110	Min.	-54	-3421110.00	17	-53982.90	5	-843845.00	17	-1050.70	9	-107.20	9	-166.25	9	-50962.80	9	-317939.00	17
110	Min.	-73	-3421110.00	17	-53982.90	5	-843845.00	17	-1050.70	9	-107.20	9	-166.25	9	-50962.80	9	-317939.00	17
111	Max	110	2243150.00	17	-17276.70	5	490530.00	17	1113.31	9	245.09	17	176.24	9	54025.40	9	401107.00	17
111	Max	111	2243150.00	17	-17276.70	5	490530.00	17	1113.31	9	245.09	17	176.24	9	54025.40	9	401107.00	17
111	Max	-45	2243150.00	17	-17276.70	5	490530.00	17	1113.31	9	245.09	17	176.24	9	54025.40	9	401107.00	17
111	Max	-64	2243150.00	17	-17276.70	5	490530.00	17	1113.31	9	245.09	17	176.24	9	54025.40	9	401107.00	17
111	Min.	110	-309493.00	5	-241962.00	17	-100851.00	5	-18180.40	17	-113.54	15	-622.17	17	-826907.00	17	-27154.20	9
111	Min.	111	-309493.00	5	-241962.00	17	-100851.00	5	-18180.40	17	-113.54	15	-622.17	17	-826907.00	17	-27154.20	9
111	Min.	-45	-309493.00	5	-241962.00	17	-100851.00	5	-18180.40	17	-113.54	15	-622.17	17	-826907.00	17	-27154.20	9
111	Min.	-64	-309493.00	5	-241962.00	17	-100851.00	5	-18180.40	17	-113.54	15	-622.17	17	-826907.00	17	-27154.20	9
111	Max	110	149188.00	5	144724.00	17	7376.56	5	15628.40	17	3670.43	17	4740.57	17	814272.00	17	27176.00	9
111	Max	111	149188.00	5	144724.00	17	7376.56	5	15628.40	17	3670.43	17	4740.57	17	814272.00	17	27176.00	9
111	Max	-55	149188.00	5	144724.00	17	7376.56	5	15628.40	17	3670.43	17	4740.57	17	814272.00	17	27176.00	9
111	Max	-74	149188.00	5	144724.00	17	7376.56	5	15628.40	17	3670.43	17	4740.57	17	814272.00	17	27176.00	9
111	Min.	110	-2459360.00	17	-55046.40	5	-616844.00	17	-1113.02	9	-113.54	9	-176.12	9	-53986.50	9	-424374.00	17
111	Min.	111	-2459360.00	17	-55046.40	5	-616844.00	17	-1113.02	9	-113.54	9	-176.12	9	-53986.50	9	-424374.00	17
111	Min.	-55	-2459360.00	17	-55046.40	5	-616844.00	17	-1113.02	9	-113.54	9	-176.12	9	-53986.50	9	-424374.00	17
111	Min.	-74	-2459360.00	17	-55046.40	5	-616844.00	17	-1113.02	9	-113.54	9	-176.12	9	-53986.50	9	-424374.00	17
4501	Max	251	0.00	1	0.00	1	0.00	1	196805.00	9	242194.00	9	324461.00	17	22379.80	9	1941.51	5
4501	Max	252	0.00	1	0.00	1	0.00	1	196805.00	9	242194.00	9	324461.00	17	22379.80	9	1941.51	5
4501	Max	-40	0.00	1	0.00	1	0.00	1	196805.00	9	242194.00	9	324461.00	17	22379.80	9	1941.51	5
4501	Max	-39	0.00	1	0.00	1	0.00	1	196805.00	9	242194.00	9	324461.00	17	22379.80	9	1941.51	5
4501	Min.	251	0.00	1	0.00	1	0.00	1	77825.20	18	-753746.00	17	-30097.70	5	-84032.40	17	-22072.80	17
4501	Min.	252	0.00	1	0.00	1	0.00	1	77825.20	18	-753746.00	17	-30097.70	5	-84032.40	17	-22072.80	17
4501	Min.	-40	0.00	1	0.00	1	0.00	1	77825.20	18	-753746.00	17	-30097.70	5	-84032.40	17	-22072.80	17
4501	Min.	-39	0.00	1	0.00	1	0.00	1	77825.20	18	-753746.00	17	-30097.70	5	-84032.40	17	-22072.80	17
4501	Max	-47	0.00	1	0.00	1	0.00	1	272931.00	17	260445.00	17	1827.66	11	1903.52	1	21769.90	17
4501	Max	-48	0.00	1	0.00	1	0.00	1	272931.00	17	260445.00	17	1827.66	11	1903.52	1	21769.90	17
4501	Max	1	0.00	1	0.00	1	0.00	1	272931.00	17	260445.00	17	1827.66	11	1903.52	1	21769.90	17
4501	Min.	-47	0.00	1	0.00	1	0.00	1	180375.00	1	182373.00	1	-33288.10	17	-1040.58	17	-1125.99	11
4501	Min.	-48	0.00	1	0.00	1	0.00	1	180375.00	1	182373.00	1	-33288.10	17	-1040.58	17	-1125.99	11
4501	Min.	1	0.00	1	0.00	1	0.00	1	180375.00	1	182373.00	1	-33288.10	17	-1040.58	17	-1125.99	11
4501	Max	-51	0.00	1	0.00	1	0.00	1	368128.00	17	329405.00	17	1817.60	7	1893.06	11	1370.08	1
4501	Max	-52	0.00	1	0.00	1	0.00	1	368128.00	17	329405.00	17	1817.60	7	1893.06	11	1370.08	1
4501	Max	1	0.00	1	0.00	1	0.00	1	368128.00	17	329405.00	17	1817.60	7	1893.06	11	1370.08	1
4501	Min.	-51	0.00	1	0.00	1	0.00	1	180280.00	11	182389.00	11	-5283.15	17	-15143.30	17	-1165.58	7
4501	Min.	-52	0.00	1	0.00	1	0.00	1	180280.00	11	182389.00	11	-5283.15	17	-15143.30	17	-1165.58	7
4501	Min.	1	0.00	1	0.00	1	0.00	1	180280.00	11	182389.00	11	-5283.15	17	-15143.30	17	-1165.58	7
4501	Max	-50	0.00	1	0.00	1	0.00	1	358484.00	17	321486.00	17	1837.22	5	1907.55	9	7472.01	17
4501	Max	-51	0.00	1	0.00	1	0.00	1	358484.00	17	321486.00	17	1837.22	5	1907.55	9	7472.01	17
4501	Max	1	0.00	1	0.00	1	0.00	1	358484.00	17	321486.00	17	1837.22	5	1907.55	9	7472.01	17
4501	Min.	-50	0.00	1	0.00	1	0.00	1	180320.00	9	182348.00	9	-15312.00	17	-13436.30	17	-1139.33	5
4501	Min.	-51	0.00	1	0.00	1	0.00	1	180320.00	9	182348.00	9	-15312.00	17	-13436.30	17	-1139.33	5
4501	Min.	1	0.00	1	0.00	1	0.00	1	180320.00	9	182348.00	9	-15312.00	17	-13436.30	17	-1139.33	5
4501	Max	-54	0.00	1	0.00	1	0.00	1	327867.00	17	305548.00	17	23821.00	17	1884.18	5	1365.52	9
4501	Max	-55	0.00	1	0.00	1	0.00	1	327867.00	17	305548.00	17	23821.00	17	1884.18	5	1365.52	9
4501	Max	1	0.00	1	0.00	1	0.00	1	327867.00	17	305548.00	17	23821.00	17	1884.18	5	1365.52	9
4501	Min.	-54	0.00	1	0.00	1	0.00	1	180321.00	5	182428.00	5	-1801.10	9	-10763.10	17	-18712.30	17
4501	Min.	-55	0.00	1	0.00	1	0.00	1	180321.00	5	182428.00	5	-1801.10	9	-10763.10	17	-18712.30	17
4501	Min.	1	0.00	1	0.00	1	0.00	1	180321.00	5	182428.00	5	-1801.10	9	-10763.10	17	-18712.30	17
4501	Max	-1	0.00	1	0.00	1	0.00	1	258900.00	17	259444.00	17	33285.10	17	1893.06	7	1370.16	11
4501	Max	-37	0.00	1	0.00	1	0.00	1	258900.00	17	259444.00	17	33285.10	17	1893.06	7	1370.16	11
4501	Max	1	0.00	1	0.00	1	0.00	1	258900.00	17	259444.00	17	33285.10	17	1893.06	7	1370.16	11
4501	Min.	-1	0.00	1	0.00	1	0.00	1	180280.00	7	182388.00	7	-1817.60	11	-1696.61	17	-23641.40	17
4501	Min.	-37	0.00	1	0.00	1	0.00	1	180280.00	7	182388.00	7	-1817.60	11	-1696.61	17	-23641.40	17
4501	Min.	1	0.00	1	0.00	1	0.00	1	180280.00	7	182388.00	7	-1817.60	11	-1696.61	17	-23641.40	17
4501	Max	267	0.00	1	0.00	1	0.00	1	396495.00	17	731371.00	17	503983.00	17	81349.10	17	2074.41	9
4501	Max	2	0.00	1	0.00	1	0.00	1	396495.00	17	731371.00	17	503983.00	17	81349.10	17	2074.41	9
4501	Max	-1	0.00	1	0.00	1	0.00	1	396495.00	17	731371.00	17	503983.00	17	81349.10	17	2074.41	9
4501	Max	-55	0.00	1	0.00	1	0.00	1	396495.00	17	731371.00	17	503983.00	17	81349.10	17	2074.41	9
4501	Min.	267	0.00	1	0.00	1	0.00	1	168685.00	5	102378.00	5	-29427.60	9	6964.34	5	-19537.80	17
4501	Min.	2	0.00	1	0.00	1	0.00	1	168685.00	5	102378.00	5	-29427.60	9	6964.34	5	-19537.80	17
4501	Min.	-1	0.00	1	0.00	1	0.00	1	168685.00	5	102378.00	5	-29427.60	9	6964.34	5	-19537.80	17
4501	Min.	-55	0.00	1	0.00	1	0.00	1	168685.00	5	102378.00	5	-29427.60	9	6964.34	5	-19537.80	17
4501	Max	253	0.00	1	0.00	1	0.00	1	197252.00	9	242576.00	11	28668.90	1	22438.60	11	2068.16	5
4501	Max	254	0.00	1	0.00	1	0.00	1	197252.00	9	242576.00	11	28668.90	1	22438.60	11	2068.16	5
4501	Max	-42	0.00	1	0.00	1	0.00	1	197252.00	9	242576.00	11	28668.90	1	22438.60	11	2068.16	5
4501	Max	-41	0.00	1	0.00	1	0.00	1	197252.00	9	242576.00	11	28668.90	1	22438.60	11	2068.16	5
4501	Min.	253	0.00	1	0.00	1	0.00	1	-12368.50	17	-1065150.00	17	-30180.00	7	-122156.00	17	-9782.00	17
4501	Min.	254	0.00	1	0.00	1	0.00	1	-12368.50	17	-1065150.00	17	-30180.00	7	-122156.00	17	-9782.00	17
4501	Min.	-42	0.00	1	0.00	1	0.00	1	-12368.50	17	-1065150.00	17	-30180.00	7	-122156.00	17	-9782.00	17
4501	Min.	-41	0.00	1	0.00	1	0.00	1	-12368.50	17	-1065150.00	17	-30180.00	7	-122156.00	17	-9782.00	17

4501	Max	-49	0.00	1	0.00	1	0.00	1	337915.00	17	306265.00	17	1801.10	5	1884.17	9	13798.40	17
4501	Max	-50	0.00	1	0.00	1	0.00	1	337915.00	17	306265.00	17	1801.10	5	1884.17	9	13798.40	17
4501	Max	1	0.00	1	0.00	1	0.00	1	337915.00	17	306265.00	17	1801.10	5	1884.17	9	13798.40	17
4501	Min.	-49	0.00	1	0.00	1	0.00	1	180321.00	9	182428.00	9	-23839.50	17	-10293.40	17	-1161.01	5
4501	Min.	-50	0.00	1	0.00	1	0.00	1	180321.00	9	182428.00	9	-23839.50	17	-10293.40	17	-1161.01	5
4501	Min.	1	0.00	1	0.00	1	0.00	1	180321.00	9	182428.00	9	-23839.50	17	-10293.40	17	-1161.01	5
4501	Max	-37	0.00	1	0.00	1	0.00	1	220845.00	17	233330.00	17	33288.30	17	3507.47	17	1330.51	11
4501	Max	-38	0.00	1	0.00	1	0.00	1	220845.00	17	233330.00	17	33288.30	17	3507.47	17	1330.51	11
4501	Max	1	0.00	1	0.00	1	0.00	1	220845.00	17	233330.00	17	33288.30	17	3507.47	17	1330.51	11
4501	Min.	-37	0.00	1	0.00	1	0.00	1	169915.00	18	178239.00	18	-1827.50	11	96.59	1	-22777.40	17
4501	Min.	-38	0.00	1	0.00	1	0.00	1	169915.00	18	178239.00	18	-1827.50	11	96.59	1	-22777.40	17
4501	Min.	1	0.00	1	0.00	1	0.00	1	169915.00	18	178239.00	18	-1827.50	11	96.59	1	-22777.40	17
4501	Max	-55	0.00	1	0.00	1	0.00	1	295773.00	17	284328.00	17	30023.40	17	1907.55	5	1343.85	9
4501	Max	-1	0.00	1	0.00	1	0.00	1	295773.00	17	284328.00	17	30023.40	17	1907.55	5	1343.85	9
4501	Max	1	0.00	1	0.00	1	0.00	1	295773.00	17	284328.00	17	30023.40	17	1907.55	5	1343.85	9
4501	Min.	-55	0.00	1	0.00	1	0.00	1	180321.00	5	182348.00	5	-1837.22	9	-6613.97	17	-22240.90	17
4501	Min.	-1	0.00	1	0.00	1	0.00	1	180321.00	5	182348.00	5	-1837.22	9	-6613.97	17	-22240.90	17
4501	Min.	1	0.00	1	0.00	1	0.00	1	180321.00	5	182348.00	5	-1837.22	9	-6613.97	17	-22240.90	17
4501	Max	-48	0.00	1	0.00	1	0.00	1	308435.00	17	285232.00	17	1658.68	11	1825.55	1	18725.40	17
4501	Max	-49	0.00	1	0.00	1	0.00	1	308435.00	17	285232.00	17	1658.68	11	1825.55	1	18725.40	17
4501	Max	1	0.00	1	0.00	1	0.00	1	308435.00	17	285232.00	17	1658.68	11	1825.55	1	18725.40	17
4501	Min.	-48	0.00	1	0.00	1	0.00	1	180965.00	9	182800.00	1	-30034.30	17	-6022.14	17	-1058.84	5
4501	Min.	-49	0.00	1	0.00	1	0.00	1	180965.00	9	182800.00	1	-30034.30	17	-6022.14	17	-1058.84	5
4501	Min.	1	0.00	1	0.00	1	0.00	1	180965.00	9	182800.00	1	-30034.30	17	-6022.14	17	-1058.84	5
4501	Max	260	0.00	1	0.00	1	0.00	1	325987.00	17	898502.00	17	26374.50	5	87832.40	17	25882.90	17
4501	Max	261	0.00	1	0.00	1	0.00	1	325987.00	17	898502.00	17	26374.50	5	87832.40	17	25882.90	17
4501	Max	-49	0.00	1	0.00	1	0.00	1	325987.00	17	898502.00	17	26374.50	5	87832.40	17	25882.90	17
4501	Max	-48	0.00	1	0.00	1	0.00	1	325987.00	17	898502.00	17	26374.50	5	87832.40	17	25882.90	17
4501	Min.	260	0.00	1	0.00	1	0.00	1	169359.00	1	108569.00	9	-449729.00	17	7801.92	1	-751.99	11
4501	Min.	261	0.00	1	0.00	1	0.00	1	169359.00	1	108569.00	9	-449729.00	17	7801.92	1	-751.99	11
4501	Min.	-49	0.00	1	0.00	1	0.00	1	169359.00	1	108569.00	9	-449729.00	17	7801.92	1	-751.99	11
4501	Min.	-48	0.00	1	0.00	1	0.00	1	169359.00	1	108569.00	9	-449729.00	17	7801.92	1	-751.99	11
4501	Max	250	0.00	1	0.00	1	0.00	1	197063.00	1	235670.00	9	440554.00	17	21621.00	1	2055.41	11
4501	Max	251	0.00	1	0.00	1	0.00	1	197063.00	1	235670.00	9	440554.00	17	21621.00	1	2055.41	11
4501	Max	-39	0.00	1	0.00	1	0.00	1	197063.00	1	235670.00	9	440554.00	17	21621.00	1	2055.41	11
4501	Max	-38	0.00	1	0.00	1	0.00	1	197063.00	1	235670.00	9	440554.00	17	21621.00	1	2055.41	11
4501	Min.	250	0.00	1	0.00	1	0.00	1	127128.00	18	-443484.00	17	-27904.90	5	-48503.30	17	-25184.80	17
4501	Min.	251	0.00	1	0.00	1	0.00	1	127128.00	18	-443484.00	17	-27904.90	5	-48503.30	17	-25184.80	17
4501	Min.	-39	0.00	1	0.00	1	0.00	1	127128.00	18	-443484.00	17	-27904.90	5	-48503.30	17	-25184.80	17
4501	Min.	-38	0.00	1	0.00	1	0.00	1	127128.00	18	-443484.00	17	-27904.90	5	-48503.30	17	-25184.80	17
4501	Max	249	0.00	1	0.00	1	0.00	1	239507.00	17	241237.00	1	513088.00	17	22406.40	1	2082.22	11
4501	Max	250	0.00	1	0.00	1	0.00	1	239507.00	17	241237.00	1	513088.00	17	22406.40	1	2082.22	11
4501	Max	-38	0.00	1	0.00	1	0.00	1	239507.00	17	241237.00	1	513088.00	17	22406.40	1	2082.22	11
4501	Max	-37	0.00	1	0.00	1	0.00	1	239507.00	17	241237.00	1	513088.00	17	22406.40	1	2082.22	11
4501	Min.	249	0.00	1	0.00	1	0.00	1	168667.00	7	-67534.00	17	-29093.50	11	-6300.86	17	-25799.00	17
4501	Min.	250	0.00	1	0.00	1	0.00	1	168667.00	7	-67534.00	17	-29093.50	11	-6300.86	17	-25799.00	17
4501	Min.	-38	0.00	1	0.00	1	0.00	1	168667.00	7	-67534.00	17	-29093.50	11	-6300.86	17	-25799.00	17
4501	Min.	-37	0.00	1	0.00	1	0.00	1	168667.00	7	-67534.00	17	-29093.50	11	-6300.86	17	-25799.00	17
4501	Max	-52	0.00	1	0.00	1	0.00	1	365906.00	17	329246.00	17	5260.78	17	1903.52	11	1330.58	1
4501	Max	-53	0.00	1	0.00	1	0.00	1	365906.00	17	329246.00	17	5260.78	17	1903.52	11	1330.58	1
4501	Max	1	0.00	1	0.00	1	0.00	1	365906.00	17	329246.00	17	5260.78	17	1903.52	11	1330.58	1
4501	Min.	-52	0.00	1	0.00	1	0.00	1	180374.00	11	182373.00	11	-1827.64	1	-15247.20	17	-6827.78	17
4501	Min.	-53	0.00	1	0.00	1	0.00	1	180374.00	11	182373.00	11	-1827.64	1	-15247.20	17	-6827.78	17
4501	Min.	1	0.00	1	0.00	1	0.00	1	180374.00	11	182373.00	11	-1827.64	1	-15247.20	17	-6827.78	17
4501	Max	-44	0.00	1	0.00	1	0.00	1	193467.00	5	191359.00	5	1800.90	9	13230.00	17	17704.90	17
4501	Max	-45	0.00	1	0.00	1	0.00	1	193467.00	5	191359.00	5	1800.90	9	13230.00	17	17704.90	17
4501	Max	1	0.00	1	0.00	1	0.00	1	193467.00	5	191359.00	5	1800.90	9	13230.00	17	17704.90	17
4501	Min.	-44	0.00	1	0.00	1	0.00	1	133291.00	18	148171.00	18	-23821.30	17	115.93	5	-1160.94	9
4501	Min.	-45	0.00	1	0.00	1	0.00	1	133291.00	18	148171.00	18	-23821.30	17	115.93	5	-1160.94	9
4501	Min.	1	0.00	1	0.00	1	0.00	1	133291.00	18	148171.00	18	-23821.30	17	115.93	5	-1160.94	9
4501	Max	-43	0.00	1	0.00	1	0.00	1	192823.00	5	190987.00	11	1659.07	1	16204.70	17	12394.00	17
4501	Max	-44	0.00	1	0.00	1	0.00	1	192823.00	5	190987.00	11	1659.07	1	16204.70	17	12394.00	17
4501	Max	1	0.00	1	0.00	1	0.00	1	192823.00	5	190987.00	11	1659.07	1	16204.70	17	12394.00	17
4501	Min.	-43	0.00	1	0.00	1	0.00	1	117181.00	18	137853.00	18	-15289.30	17	174.55	11	-1058.93	9
4501	Min.	-44	0.00	1	0.00	1	0.00	1	117181.00	18	137853.00	18	-15289.30	17	174.55	11	-1058.93	9
4501	Min.	1	0.00	1	0.00	1	0.00	1	117181.00	18	137853.00	18	-15289.30	17	174.55	11	-1058.93	9
4501	Max	259	0.00	1	0.00	1	0.00	1	243776.00	17	522550.00	17	27582.50	11	45629.90	17	26497.30	17
4501	Max	260	0.00	1	0.00	1	0.00	1	243776.00	17	522550.00	17	27582.50	11	45629.90	17	26497.30	17
4501	Max	-48	0.00	1	0.00	1	0.00	1	243776.00	17	522550.00	17	27582.50	11	45629.90	17	26497.30	17
4501	Max	-47	0.00	1	0.00	1	0.00	1	243776.00	17	522550.00	17	27582.50	11	45629.90	17	26497.30	17
4501	Min.	259	0.00	1	0.00	1	0.00	1	168667.00	1	103001.00	1	-522238.00	17	7016.46	1	-778.67	11
4501	Min.	260	0.00	1	0.00	1	0.00	1	168667.00	1	103001.00	1	-522238.00	17	7016.46	1	-778.67	11
4501	Min.	-48	0.00	1	0.00	1	0.00	1	168667.00	1	103001.00	1	-522238.00	17	7016.46	1	-778.67	11
4501	Min.	-47	0.00	1	0.00	1	0.00	1	168667.00	1	103001.00	1	-522238.00	17	7016.46	1	-778.67	11
4501	Max	-45	0.00	1	0.00	1	0.00	1	198002.00	17	209447.00	17	1837.55	9	9080.85	17	21233.30	17
4501	Max	-46	0.00	1	0.00	1	0.00	1	198002.00	17	209447.00	17	1837.55	9	9080.85	17	21233.30	17
4501	Max	1	0.00	1	0.00	1	0.00	1	198002.00	17	209447.00	17	1837.55	9	9080.85	17	21233.30	17
4501	Min.	-45	0.00	1	0.00	1	0.00	1	154687.00	18	162317.00	18	-30023.00	17	92.56	5	-1139.40	9
4501	Min.	-46	0.00	1	0.00	1	0.00	1	154687.00	18	162317.00	18	-30023.00	17	92.56	5	-1139.40	9
4501	Min.	1	0.00	1	0.00	1	0.00	1	154687.00	18	162317.00	18	-30023.00	17	92.56	5	-1139.40	9
4501	Max	262	0.00	1	0.00	1	0.00	1	458407.00	17	1422980.00	17	27907.10	5	148741.00	17	17461.30	17
4501	Max	263	0.00	1	0.00	1	0.00	1	458407.00	17	1422980.00	17	27907.10	5	148741.00	17	17461.30	17
4501	Max	-51	0.00	1	0.00	1	0.00	1	458407.00	17	1422980.00	17	27907.10	5	148741.00	17	17461.30	17
4501	Max	-50	0.00	1	0.00	1	0.00	1	458407.00	17	1422980.00	17	27907.10	5	148741.00	17	17461.30	17
4501	Min.	262	0.00	1	0.00	1	0.00	1	168684.00	9	102379.00	9	-185330.00	17	6964.34	9	-770.92	5
4501	Min.	263	0.00	1	0.00	1	0.00	1	168684.00	9	102379.00	9	-185330.00	17	6964.34	9	-770.92	5
4501	Min.	-51	0.00	1	0.00	1	0.00	1	168684.00	9	102379.00	9	-185330.00	17	6964.34	9	-770.92	5
4501	Min.	-50	0.00	1	0.00	1	0.00	1	168684.00	9	102379.00	9	-185330.00	17	6964.34	9	-770.92	5
4501	Max	261	0.00	1	0.00	1	0.00	1	399944.00	17	1208760.00	17	28586.50	5	123362.00	17	22771.30	17
4501	Max	262	0.00	1	0.00	1	0.00	1	399944.00	17	1208760.00	17	28586.50	5	123362.00	17	22771.30	17
4501	Max	-50	0.00	1	0.00	1	0.00	1	399944.00	17	1208760.00	17	28586.50	5	123362.00	17	22771.30	17
4501	Max	-49	0.00	1	0.00	1	0.00	1	399944.00	17	1208760.00	17	28586.50	5	123362.00	17	22771.30	17
4501	Min.	261	0.00	1	0.00	1	0.00	1	169619.00	9	102044.00	9	-333611.00	17	7043.05	9	-637.79	5
4501	Min.	262	0.00	1	0.00	1	0.00	1	169619.00	9	102044.00	9	-333611.00	17	7043.05	9	-637.79	5
4501	Min.	-50	0.00	1	0.00	1	0.00	1	169619.00	9	102044.00	9	-333611.00	17	7043.05	9	-637.79	5
4501	Min.	-49	0.00	1	0.00	1	0.00	1	169619.00	9	102044.00	9	-333611.00	17	7043.05	9	-637.79	5
4501	Max	266	0.00	1	0.00	1	0.00	1	455901.00	17	1076120.00	17	423225.00	17	118217.00	17	1941.42	9
4501	Max	267	0.00	1	0.00	1	0.00	1	455901.00	17	1076120.00	17	423225.00	17	118217.00	17	1941.42	9
4501	Max	-55	0.00	1	0.00	1	0.00	1	455901.00	17	1076120.00	17	423225.00	17	118217.00	17	1941.42	9
4501	Max	-54	0.00	1	0.00	1	0.00	1	455901.00	17	1076120.00	17	423225.00	17	118217.00	17	1941.42	9
4501	Min.	266	0.00	1	0.00	1	0.00	1	169618.00	5	102045.00	5	-30107.10	9	7043.04	5	-13276.90	17
4501	Min.	267	0.00	1	0.00	1	0.00	1	169618.00	5	102045.00	5	-30107.10	9	7043.04	5	-13276.90	17
4501	Min.	-55	0.00	1	0.00	1	0.00	1	169618.00	5	102045.00	5	-30107.10	9	7043.04	5	-13276.90	17
4501	Min.	-54	0.00	1	0.00	1	0.00	1	169618.00	5	102045.00	5	-30107.10	9	7043.04	5	-13276.90	17
4501	Max	265	0.00	1	0.00	1	0.00	1	494334.00	17	1337810.00	17	300625.00	17	145438.00	17	2055.56	1

4501	Max	266	0.00	1	0.00	1	0.00	1	494334.00	17	1337810.00	17	300625.00	17	145438.00	17	2055.56	1
4501	Max	-54	0.00	1	0.00	1	0.00	1	494334.00	17	1337810.00	17	300625.00	17	145438.00	17	2055.56	1
4501	Max	-53	0.00	1	0.00	1	0.00	1	494334.00	17	1337810.00	17	300625.00	17	145438.00	17	2055.56	1
4501	Min.	265	0.00	1	0.00	1	0.00	1	169359.00	11	108569.00	5	-27895.40	9	7801.91	11	-5680.26	17
4501	Min.	266	0.00	1	0.00	1	0.00	1	169359.00	11	108569.00	5	-27895.40	9	7801.91	11	-5680.26	17
4501	Min.	-54	0.00	1	0.00	1	0.00	1	169359.00	11	108569.00	5	-27895.40	9	7801.91	11	-5680.26	17
4501	Min.	-53	0.00	1	0.00	1	0.00	1	169359.00	11	108569.00	5	-27895.40	9	7801.91	11	-5680.26	17
4501	Max	264	0.00	1	0.00	1	0.00	1	508027.00	17	1490820.00	17	148109.00	17	160347.00	17	2503.16	17
4501	Max	265	0.00	1	0.00	1	0.00	1	508027.00	17	1490820.00	17	148109.00	17	160347.00	17	2503.16	17
4501	Max	-53	0.00	1	0.00	1	0.00	1	508027.00	17	1490820.00	17	148109.00	17	160347.00	17	2503.16	17
4501	Max	-52	0.00	1	0.00	1	0.00	1	508027.00	17	1490820.00	17	148109.00	17	160347.00	17	2503.16	17
4501	Min.	264	0.00	1	0.00	1	0.00	1	168666.00	11	103002.00	11	-29103.10	1	7016.47	11	-778.76	7
4501	Min.	265	0.00	1	0.00	1	0.00	1	168666.00	11	103002.00	11	-29103.10	1	7016.47	11	-778.76	7
4501	Min.	-53	0.00	1	0.00	1	0.00	1	168666.00	11	103002.00	11	-29103.10	1	7016.47	11	-778.76	7
4501	Min.	-52	0.00	1	0.00	1	0.00	1	168666.00	11	103002.00	11	-29103.10	1	7016.47	11	-778.76	7
4501	Max	263	0.00	1	0.00	1	0.00	1	495652.00	17	1520160.00	17	28668.90	7	161485.00	17	10480.40	17
4501	Max	264	0.00	1	0.00	1	0.00	1	495652.00	17	1520160.00	17	28668.90	7	161485.00	17	10480.40	17
4501	Max	-52	0.00	1	0.00	1	0.00	1	495652.00	17	1520160.00	17	28668.90	7	161485.00	17	10480.40	17
4501	Max	-51	0.00	1	0.00	1	0.00	1	495652.00	17	1520160.00	17	28668.90	7	161485.00	17	10480.40	17
4501	Min.	263	0.00	1	0.00	1	0.00	1	169172.00	9	101661.00	11	-30180.00	1	6984.25	11	-764.48	5
4501	Min.	264	0.00	1	0.00	1	0.00	1	169172.00	9	101661.00	11	-30180.00	1	6984.25	11	-764.48	5
4501	Min.	-52	0.00	1	0.00	1	0.00	1	169172.00	9	101661.00	11	-30180.00	1	6984.25	11	-764.48	5
4501	Min.	-51	0.00	1	0.00	1	0.00	1	169172.00	9	101661.00	11	-30180.00	1	6984.25	11	-764.48	5
4501	Max	-39	0.00	1	0.00	1	0.00	1	193466.00	9	191360.00	9	23839.70	17	12760.20	17	1365.45	5
4501	Max	-40	0.00	1	0.00	1	0.00	1	193466.00	9	191360.00	9	23839.70	17	12760.20	17	1365.45	5
4501	Max	1	0.00	1	0.00	1	0.00	1	193466.00	9	191360.00	9	23839.70	17	12760.20	17	1365.45	5
4501	Min.	-39	0.00	1	0.00	1	0.00	1	126593.00	18	147693.00	18	-1800.91	5	115.92	9	-14806.00	17
4501	Min.	-40	0.00	1	0.00	1	0.00	1	126593.00	18	147693.00	18	-1800.91	5	115.92	9	-14806.00	17
4501	Min.	1	0.00	1	0.00	1	0.00	1	126593.00	18	147693.00	18	-1800.91	5	115.92	9	-14806.00	17
4501	Max	-38	0.00	1	0.00	1	0.00	1	192823.00	9	208544.00	17	30033.80	17	8489.03	17	1263.48	5
4501	Max	-39	0.00	1	0.00	1	0.00	1	192823.00	9	208544.00	17	30033.80	17	8489.03	17	1263.48	5
4501	Max	1	0.00	1	0.00	1	0.00	1	192823.00	9	208544.00	17	30033.80	17	8489.03	17	1263.48	5
4501	Min.	-38	0.00	1	0.00	1	0.00	1	146246.00	18	161715.00	18	-1659.05	11	174.56	1	-19732.80	17
4501	Min.	-39	0.00	1	0.00	1	0.00	1	146246.00	18	161715.00	18	-1659.05	11	174.56	1	-19732.80	17
4501	Min.	1	0.00	1	0.00	1	0.00	1	146246.00	18	161715.00	18	-1659.05	11	174.56	1	-19732.80	17
4501	Max	252	0.00	1	0.00	1	0.00	1	197738.00	9	241860.00	9	176155.00	17	22458.60	9	2074.29	5
4501	Max	253	0.00	1	0.00	1	0.00	1	197738.00	9	241860.00	9	176155.00	17	22458.60	9	2074.29	5
4501	Max	-41	0.00	1	0.00	1	0.00	1	197738.00	9	241860.00	9	176155.00	17	22458.60	9	2074.29	5
4501	Max	-40	0.00	1	0.00	1	0.00	1	197738.00	9	241860.00	9	176155.00	17	22458.60	9	2074.29	5
4501	Min.	252	0.00	1	0.00	1	0.00	1	24873.50	17	-967957.00	17	-29437.30	5	-109412.00	17	-16763.20	17
4501	Min.	253	0.00	1	0.00	1	0.00	1	24873.50	17	-967957.00	17	-29437.30	5	-109412.00	17	-16763.20	17
4501	Min.	-41	0.00	1	0.00	1	0.00	1	24873.50	17	-967957.00	17	-29437.30	5	-109412.00	17	-16763.20	17
4501	Min.	-40	0.00	1	0.00	1	0.00	1	24873.50	17	-967957.00	17	-29437.30	5	-109412.00	17	-16763.20	17
4501	Max	258	0.00	1	0.00	1	0.00	1	197251.00	5	242577.00	7	28659.20	11	22438.60	7	24551.40	17
4501	Max	259	0.00	1	0.00	1	0.00	1	197251.00	5	242577.00	7	28659.20	11	22438.60	7	24551.40	17
4501	Max	-47	0.00	1	0.00	1	0.00	1	197251.00	5	242577.00	7	28659.20	11	22438.60	7	24551.40	17
4501	Max	-46	0.00	1	0.00	1	0.00	1	197251.00	5	242577.00	7	28659.20	11	22438.60	7	24551.40	17
4501	Min.	258	0.00	1	0.00	1	0.00	1	129832.00	18	99495.00	18	-544103.00	17	885.92	17	-764.54	9
4501	Min.	259	0.00	1	0.00	1	0.00	1	129832.00	18	99495.00	18	-544103.00	17	885.92	17	-764.54	9
4501	Min.	-47	0.00	1	0.00	1	0.00	1	129832.00	18	99495.00	18	-544103.00	17	885.92	17	-764.54	9
4501	Min.	-46	0.00	1	0.00	1	0.00	1	129832.00	18	99495.00	18	-544103.00	17	885.92	17	-764.54	9
4501	Max	257	0.00	1	0.00	1	0.00	1	197739.00	5	241859.00	5	27916.70	9	22458.60	5	20236.10	17
4501	Max	258	0.00	1	0.00	1	0.00	1	197739.00	5	241859.00	5	27916.70	9	22458.60	5	20236.10	17
4501	Max	-46	0.00	1	0.00	1	0.00	1	197739.00	5	241859.00	5	27916.70	9	22458.60	5	20236.10	17
4501	Max	-45	0.00	1	0.00	1	0.00	1	197739.00	5	241859.00	5	27916.70	9	22458.60	5	20236.10	17
4501	Min.	257	0.00	1	0.00	1	0.00	1	80125.40	18	-276356.00	17	-513132.00	17	-42020.00	17	-770.83	9
4501	Min.	258	0.00	1	0.00	1	0.00	1	80125.40	18	-276356.00	17	-513132.00	17	-42020.00	17	-770.83	9
4501	Min.	-46	0.00	1	0.00	1	0.00	1	80125.40	18	-276356.00	17	-513132.00	17	-42020.00	17	-770.83	9
4501	Min.	-45	0.00	1	0.00	1	0.00	1	80125.40	18	-276356.00	17	-513132.00	17	-42020.00	17	-770.83	9
4501	Max	2	0.00	1	0.00	1	0.00	1	321933.00	17	337281.00	17	534928.00	17	38443.20	17	2068.02	9
4501	Max	249	0.00	1	0.00	1	0.00	1	321933.00	17	337281.00	17	534928.00	17	38443.20	17	2068.02	9
4501	Max	-37	0.00	1	0.00	1	0.00	1	321933.00	17	337281.00	17	534928.00	17	38443.20	17	2068.02	9
4501	Max	-1	0.00	1	0.00	1	0.00	1	321933.00	17	337281.00	17	534928.00	17	38443.20	17	2068.02	9
4501	Min.	2	0.00	1	0.00	1	0.00	1	169172.00	5	101662.00	7	-30189.60	11	6984.25	7	-23853.20	17
4501	Min.	249	0.00	1	0.00	1	0.00	1	169172.00	5	101662.00	7	-30189.60	11	6984.25	7	-23853.20	17
4501	Min.	-37	0.00	1	0.00	1	0.00	1	169172.00	5	101662.00	7	-30189.60	11	6984.25	7	-23853.20	17
4501	Min.	-1	0.00	1	0.00	1	0.00	1	169172.00	5	101662.00	7	-30189.60	11	6984.25	7	-23853.20	17
4501	Max	-42	0.00	1	0.00	1	0.00	1	193413.00	11	191414.00	11	1827.53	1	17714.10	17	5820.46	17
4501	Max	-43	0.00	1	0.00	1	0.00	1	193413.00	11	191414.00	11	1827.53	1	17714.10	17	5820.46	17
4501	Max	1	0.00	1	0.00	1	0.00	1	193413.00	11	191414.00	11	1827.53	1	17714.10	17	5820.46	17
4501	Min.	-42	0.00	1	0.00	1	0.00	1	107932.00	18	132372.00	18	-5260.94	17	96.59	11	-1125.92	1
4501	Min.	-43	0.00	1	0.00	1	0.00	1	107932.00	18	132372.00	18	-5260.94	17	96.59	11	-1125.92	1
4501	Min.	1	0.00	1	0.00	1	0.00	1	107932.00	18	132372.00	18	-5260.94	17	96.59	11	-1125.92	1
4501	Max	-41	0.00	1	0.00	1	0.00	1	193507.00	11	191399.00	11	5283.48	17	17610.20	17	1370.08	7
4501	Max	-42	0.00	1	0.00	1	0.00	1	193507.00	11	191399.00	11	5283.48	17	17610.20	17	1370.08	7
4501	Max	1	0.00	1	0.00	1	0.00	1	193507.00	11	191399.00	11	5283.48	17	17610.20	17	1370.08	7
4501	Min.	-41	0.00	1	0.00	1	0.00	1	106450.00	18	132266.00	18	-1817.36	7	107.05	11	-1371.76	17
4501	Min.	-42	0.00	1	0.00	1	0.00	1	106450.00	18	132266.00	18	-1817.36	7	107.05	11	-1371.76	17
4501	Min.	1	0.00	1	0.00	1	0.00	1	106450.00	18	132266.00	18	-1817.36	7	107.05	11	-1371.76	17
4501	Max	-40	0.00	1	0.00	1	0.00	1	193467.00	9	191440.00	9	15311.50	17	15903.20	17	1343.93	5
4501	Max	-41	0.00	1	0.00	1	0.00	1	193467.00	9	191440.00	9	15311.50	17	15903.20	17	1343.93	5
4501	Max	1	0.00	1	0.00	1	0.00	1	193467.00	9	191440.00	9	15311.50	17	15903.20	17	1343.93	5
4501	Min.	-40	0.00	1	0.00	1	0.00	1	112880.00	18	137545.00	18	-1837.56	5	92.56	9	-8479.39	17
4501	Min.	-41	0.00	1	0.00	1	0.00	1	112880.00	18	137545.00	18	-1837.56	5	92.56	9	-8479.39	17
4501	Min.	1	0.00	1	0.00	1	0.00	1	112880.00	18	137545.00	18	-1837.56	5	92.56	9	-8479.39	17
4501	Max	256	0.00	1	0.00	1	0.00	1	196804.00	5	242195.00	5	28576.90	9	22379.80	5	13975.20	17
4501	Max	257	0.00	1	0.00	1	0.00	1	196804.00	5	242195.00	5	28576.90	9	22379.80	5	13975.20	17
4501	Max	-45	0.00	1	0.00	1	0.00	1	196804.00	5	242195.00	5	28576.90	9	22379.80	5	13975.20	17
4501	Max	-44	0.00	1	0.00	1	0.00	1	196804.00	5	242195.00	5	28576.90	9	22379.80	5	13975.20	17
4501	Min.	256	0.00	1	0.00	1	0.00	1	27380.50	17	-621104.00	17	-432400.00	17	-78887.60	17	-637.93	9
4501	Min.	257	0.00	1	0.00	1	0.00	1	27380.50	17	-621104.00	17	-432400.00	17	-78887.60	17	-637.93	9
4501	Min.	-45	0.00	1	0.00	1	0.00	1	27380.50	17	-621104.00	17	-432400.00	17	-78887.60	17	-637.93	9
4501	Min.	-44	0.00	1	0.00	1	0.00	1	27380.50	17	-621104.00	17	-432400.00	17	-78887.60	17	-637.93	9
4501	Max	255	0.00	1	0.00	1	0.00	1	197064.00	11	235669.00	5	26384.50	9	21621.00	11	6378.62	17
4501	Max	256	0.00	1	0.00	1	0.00	1	197064.00	11	235669.00	5	26384.50	9	21621.00	11	6378.62	17
4501	Max	-44	0.00	1	0.00	1	0.00	1	197064.00	11	235669.00	5	26384.50	9	21621.00	11	6378.62	17
4501	Max	-43	0.00	1	0.00	1	0.00	1	197064.00	11	235669.00	5	26384.50	9	21621.00	11	6378.62	17
4501	Min.	255	0.00	1	0.00	1	0.00	1	-11050.60	17	-882799.00	17	-309775.00	17	-106108.00	17	-751.94	1
4501	Min.	256	0.00	1	0.00	1	0.00	1	-11050.60	17	-882799.00	17	-309775.00	17	-106108.00	17	-751.94	1
4501	Min.	-44	0.00	1	0.00	1	0.00	1	-11050.60	17	-882799.00	17	-309775.00	17	-106108.00	17	-751.94	1
4501	Min.	-43	0.00	1	0.00	1	0.00	1	-11050.60	17	-882799.00	17	-309775.00	17	-106108.00	17	-751.94	1
4501	Max	254	0.00	1	0.00	1	0.00	1	197756.00	11	241238.00	11	27573.10	1	22406.40	11	2082.08	7
4501	Max	255	0.00	1	0.00	1	0.00	1	197756.00	11	241238.00	11	27573.10	1	22406.40	11	2082.08	7
4501	Max	-43	0.00	1	0.00	1	0.00	1	197756.00	11	241238.00	11	27573.10	1	22406.40	11	2082.08	7
4501	Max	-42	0.00	1	0.00	1	0.00	1	197756.00	11	241238.00	11	27573.10	1	22406.40	11	2082.08	7

4501	Min.	254	0.00	1	0.00	1	0.00	1	-24746.30	17	-1035800.00	17	-157283.00	17	-121018.00	17	-1805.12	17
4501	Min.	255	0.00	1	0.00	1	0.00	1	-24746.30	17	-1035800.00	17	-157283.00	17	-121018.00	17	-1805.12	17
4501	Min.	-43	0.00	1	0.00	1	0.00	1	-24746.30	17	-1035800.00	17	-157283.00	17	-121018.00	17	-1805.12	17
4501	Min.	-42	0.00	1	0.00	1	0.00	1	-24746.30	17	-1035800.00	17	-157283.00	17	-121018.00	17	-1805.12	17
4501	Max	-53	0.00	1	0.00	1	0.00	1	352033.00	17	321025.00	17	15289.80	17	1825.55	11	1263.41	9
4501	Max	-54	0.00	1	0.00	1	0.00	1	352033.00	17	321025.00	17	15289.80	17	1825.55	11	1263.41	9
4501	Max	1	0.00	1	0.00	1	0.00	1	352033.00	17	321025.00	17	15289.80	17	1825.55	11	1263.41	9
4501	Min.	-53	0.00	1	0.00	1	0.00	1	180964.00	5	182800.00	11	-1658.63	1	-13737.90	17	-13401.60	17
4501	Min.	-54	0.00	1	0.00	1	0.00	1	180964.00	5	182800.00	11	-1658.63	1	-13737.90	17	-13401.60	17
4501	Min.	1	0.00	1	0.00	1	0.00	1	180964.00	5	182800.00	11	-1658.63	1	-13737.90	17	-13401.60	17
4501	Max	-46	0.00	1	0.00	1	0.00	1	234875.00	17	234331.00	17	1817.35	11	4163.51	17	22634.10	17
4501	Max	-47	0.00	1	0.00	1	0.00	1	234875.00	17	234331.00	17	1817.35	11	4163.51	17	22634.10	17
4501	Max	1	0.00	1	0.00	1	0.00	1	234875.00	17	234331.00	17	1817.35	11	4163.51	17	22634.10	17
4501	Min.	-46	0.00	1	0.00	1	0.00	1	179269.00	18	178906.00	18	-33285.40	17	107.06	7	-1165.50	11
4501	Min.	-47	0.00	1	0.00	1	0.00	1	179269.00	18	178906.00	18	-33285.40	17	107.06	7	-1165.50	11
4501	Min.	1	0.00	1	0.00	1	0.00	1	179269.00	18	178906.00	18	-33285.40	17	107.06	7	-1165.50	11

Criteri di progetto utilizzati

Sezioni generiche

Generali	
Stampe	
Tipo di relazione	Estesa

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
-$\tau c0$ <daN/cmq>	6.70
-$\tau c1$ <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
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	x
-Relativa ai pilastri	
-Relativa solo al controllo sulle tensioni	
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	No
Verifiche a flessione/pressoflessione retta	Si
-Considera My	Si
-Considera Mz	No
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	Si
-Ricerca della sicurezza con sforzo normale costante	
-Ricerca della sicurezza con eccentricità costante	x
Controllo rapporto X/D	Si
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

Aste in acciaio

Generali	
Verifica aste in acciaio	
Numero punti di verifica	10.00
Numero CC da considerare di tipo I	99.00
Stati limite D.M. 08	
Verifiche con EC3	No
Coeff. amplificativo sollecitazioni per effetti del secondo ordine	1.00
Stampe	
Verifiche da riportare in relazione	Tutte

Specifici	**1**
Materiali	
CNR 10011	
Tipo di acciaio	FE360
D.M. 08	
Tipo di acciaio per profilati a sezione aperta	S235
	UNI EN
	10025-2
Tipo di acciaio per profilati a sezione cava	S235H
	UNI EN

	10210-1
EC3	
Tipo di acciaio	S235
-Fy <daN/cmq>	2350.00
-Fu <daN/cmq>	3600.00
γ M0	1.00
γ M1	1.00
γ M2	1.25
γ Rd	1.30
γ Ov	1.25
-Considera come elemento esistente (S.L. D.M. 08/EC3)	No
-Livello di conoscenza	LC1
-Fattore di confidenza	1.35
Verifiche di resistenza	
Rapporto fra area effettiva e area nominale	1.00
Rapporto fra area netta e area nominale	1.00
Coeff. di forma intorno all'asse Y	1.00
Coeff. di forma intorno all'asse Z	1.00
Verifica le bielle solo con sollecitazioni di trazione moltiplicate per	Si
Valutare la τ per torsione nei punti di spigolo (CNR 10011)	No
-Pari a	
Stati limite D.M. 08/EC3	
-Fai sempre verifiche in campo elastico	No
-Effettua le verifiche della gerarchia delle resistenze per strutture intelaiate	Si
-Usa classe 1 in pressoflessione deviata se non presente in archivio	No
Stati limite D.M. 08	
-Usa prescrizioni EC3 quando più dettagliate	Si
-Considera prescrizioni relative ai ponti	No
Verifiche di deformabilità	
Max valore del rapporto tra la luce e la freccia (totale)	250.00
Max valore del rapporto tra la luce e la freccia (solo accidentali)	300.00
Max valore del rapporto tra altezza e spostamento orizz. (aste)	300.00
Max valore del rapporto tra altezza e spostamento orizz. (membrature)	500.00
Considerare anche spostamento relativo nodi per calcolo freccia	No
Considerare solo la verifica di deformabilità delle membrature	Si
Trascura deformazione dovuta al sisma (T.A.)	No
Verifiche di stabilità asta	
Riduzione lunghezza libera d'inflessione	
-Distanza fra i nodi dell'asta	x
-Distanza ridotta delle zone rigide moltiplicate per il valore	
Tipo di accoppiamento aste composte	
-Separate	
-Calastrellate	
-Imbottite	
-Automatico	x
Calcolo momento medio usando valori assoluti	Si
Interasse calastrelli o imbottiture	
-Distanza pari a <m>	
-Interasse da normativa moltiplicato per il valore	0.80
-Aste rigidamente collegate	
Curva di stabilità (D.M. 08/EC3)	Automatica
Aste laminate	Si
Sigma max amm. senza verifiche di stabilità (CNR 10011) <%>	2.00
Verifiche di stabilità globale in dir. Y locale	Si
-Coeff. β intorno all'asse Y	1.00
Verifiche di stabilità globale in dir. Z locale	Si
-Coeff. β intorno all'asse Z	1.00
Verifiche di stabilità flesso - torsionale	Si
-Coeff. per calcolo interasse ritegni torsionali	1.00
Aste inflesse (D.M. 08/EC3)	
-Coeff. Ψ per calcolo momento critico	
-Valuta in base ai momenti dell'asta	x
-Utilizza valore imposto	
-Fattore correttivo di distribuzione K_c	0.94
-Snellezza di riferimento $\lambda_{LT,0}$	0.40
-Coeff. β	0.75
Aste pressoinflesse (D.M. 08/EC3)	
-Considera come molto deformabile a torsione	No
-Fattore correttivo di distribuzione α_{mY}/C_{mY}	0.95
-Fattore correttivo di distribuzione α_{mZ}/C_{mZ}	0.95
-Fattore correttivo di distribuzione α_{mLT}/C_{mLT}	0.95
Eseguire anche le verifiche al punto 7.3.2 (CNR 10011)	Si
Carichi sull'estradosso (CNR 10011)	Si
Verifiche di stabilità all'imbozzamento (CNR 10011)	

-Numero irrigidimenti orizzontali anima	0.00
-Interasse irrigidimenti verticali anima	
-Numero di suddivisioni	
-Distanza non inferiore a <cm>	
-Pari alla lunghezza dell'asta	x
-Modalità di calcolo σ cr,id	
-Normativa	
-Massonet	x
-Ballio	
Verifiche di stabilità membratura	
Massimo numero aste costituenti unica membratura	1.00
Sforzo normale di verifica	
-Massimo valore fra tutte le aste	x
-Media aritmetica dei valori di tutte le aste	
-Media pesata di tutte le aste	
Contributo eventuali sforzi di trazione	No
Verifica nei piani principali	Si
Incremento snellezza	Si
Verifiche di stabilità globale in dir. Y locale	Si
-Coeff. β calcolato in funzione dello sforzo normale	
-Coeff. β	1.00
Verifiche di stabilità globale in dir. Z locale	Si
-Coeff. β calcolato in funzione dello sforzo normale	
-Coeff. β	1.00

Plinti/Pali

Generali	
Parametri di progetto	
Progettazione e verifica dell'armatura con sollecitazioni più gravose	Si
Verifiche a taglio per elementi esistenti come per elementi nuovi	Si
Parametri di disegno	
Scala disegno plinti	25.00
Disegno ancoraggi non necessari	Si
Copriferro per calcolo lunghezze ferri plinto <cm>	3.00
Copriferro per calcolo lunghezze ferri bicchiere <cm>	2.00
Calcolo lunghezza ferri semplificato	Si
Diametro per calcolo lunghezze ferri plinto <mm>	10.00
Diametro per calcolo lunghezze ferri bicchiere <mm>	10.00
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
Parametri di calcolo	
Copriferro teorico di calcolo <cm>	4.00
Angolo limite plinti snelli/tozzi <grad>	30.00
Considerare snelli plinti ambigui	Si
Peso specifico calcestruzzo plinto <daN/mc>	2500.00
Sovraccarichi agenti sul plinto <daN/mq>	0.00
Detrazione peso proprio e sovraccarichi	Si
Calcolo momenti con metodo dei trapezi	Si
Sezione verifica plinti a bicchiere	
-A filo parete	x
-In asse alla parete	
Raffittimento armatura zona centrale	No
Armatura base	
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>	25.00
-Incremento <cm>	5.00
Elemento costante	
-Diametro	x
-Passo	
Tipo di ottimizzazione armatura	
-Minimizza il peso complessivo dei ferri	
-Minimizza il numero dei ferri	x
Lunghezza risvolto ferri inferiori	
-Pari a <cm>	
-Come percentuale dell'altezza del plinto <%>	50.00
Min. armatura superiore	Si
Diametro staffoni di montaggio <mm>	10.00
Staffoni orizzontali di montaggio	Si
-Max distanza <cm>	60.00
Staffoni verticali di montaggio	Si
-Max distanza <cm>	20.00
Lunghezza risvolto staffoni orizzontali	
-Pari a <cm>	
-Come percentuale del lato del plinto <%>	20.00
-Unico ferro lungo il perimetro del plinto	
Armatura a punzonamento	
Elenco diametri utilizzabili 1 <mm>	16
Elenco diametri utilizzabili 2 <mm>	18
Elenco diametri utilizzabili 3 <mm>	20
Elenco diametri utilizzabili 4 <mm>	
Elenco diametri utilizzabili 5 <mm>	
Elenco diametri utilizzabili 6 <mm>	
Elenco diametri utilizzabili 7 <mm>	
Passi utilizzabili	
-Minimo <cm>	5.00
-Massimo <cm>	15.00
-Incremento <cm>	2.00
Allargamento piastra pilastri in acciaio <cm>	5.00
Distanza dal bordo libero	
-Distanza imposta a <cm>	
-Distanza come un moltiplicatore dello spessore del plinto	0.50
Moltiplicatore altezza utile per valutare perimetro efficace (D.M. 08)	2.00
Collaborazione pilastro-bicchiere	
Valutata sulla superficie di contatto fra pilastro e bicchiere	Si
-Valutata come moltiplicatore del valore della resistenza	x
a trazione del plinto	
Plinti poligonali su pali	
Rete elettrosaldata inferiore	Si
-Diametro <mm>	8.00
-Passo <cm>	20.00
Rete elettrosaldata superiore	Si
-Diametro <mm>	8.00
-Passo <cm>	20.00

Distanziatori	Si
-Diametro <mm>	6.00
-Dimensioni <cm>	10.00
-Numero	4.00
Materiali bicchiere	
-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
-τ_{c0} <daN/cmq>	6.70
-τ_{c1} <daN/cmq>	19.70
-Riduci Fcd per tutte le verifiche secondo il D.M. 08	No
-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>	4300.00
-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
Armatura bicchiere	
Copriferro teorico <cm>	3.00
Bicchiere con pareti organizzate	No
Rck calcestruzzo di riempimento <daN/cmq>	300.00
Resistenza teorica a trazione del calcestruzzo di riempimento <daN/cmq>	18.10
Denominatore momento flettente parete	16.00
Elenco diametri utilizzabili 1 <mm>	10
Elenco diametri utilizzabili 2 <mm>	12
Elenco diametri utilizzabili 3 <mm>	14
Elenco diametri utilizzabili 4 <mm>	16
Elenco diametri utilizzabili 5 <mm>	18
Elenco diametri utilizzabili 6 <mm>	
Elenco diametri utilizzabili 7 <mm>	
Passi utilizzabili	
-Minimo <cm>	5.00
-Massimo <cm>	15.00
-Incremento <cm>	2.00
Tipo di ottimizzazione armatura	
-Minimizza il peso complessivo dei ferri	
-Minimizza il numero dei ferri	x
Ferri orizzontali aggiuntivi nel fondo bicchiere	Si
-Distanza <cm>	15.00
Ferri verticali internamente al bicchiere	Si
-Max distanza <cm>	10.00
Dati per progettazione agli stati limite	
Gruppo di esigenza	
-Ambiente poco aggressivo	x
-Ambiente moderatamente aggressivo	
-Ambiente molto aggressivo	
Materiali palo	
-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	No
-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>	4300.00
-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
Armatura a pressoflessione pali	
Considera momenti da interazione cinematica	No
Elenco diametri ferri longitudinali 1 <mm>	16
Elenco diametri ferri longitudinali 2 <mm>	20
Elenco diametri ferri longitudinali 3 <mm>	24
Elenco diametri ferri longitudinali 4 <mm>	
Elenco diametri ferri longitudinali 5 <mm>	
Elenco diametri ferri longitudinali 6 <mm>	
Elenco diametri ferri longitudinali 7 <mm>	
Copriferro reale al bordo staffa <cm>	4.00
Diametro staffa teorica <mm>	9.00
Max distanza fra i ferri <cm>	25.00
Min. interferro ammissibile <cm>	5.00
Min. numero ferri	8.00
Armatura a taglio pali	
Elenco diametri staffe 1 <mm>	8
Elenco diametri staffe 2 <mm>	10
Elenco diametri staffe 3 <mm>	
Elenco diametri staffe 4 <mm>	
Elenco diametri staffe 5 <mm>	
Elenco diametri staffe 6 <mm>	
Elenco diametri staffe 7 <mm>	
Passi staffe	
-Minimo <cm>	5.00
-Massimo <cm>	30.00
-Incremento <cm>	5.00
Tipo di minimizzazione staffatura	
-Minimizza il numero delle staffe	
-Minimizza il peso delle staffe	x
Staffatura a spirale	No
Verifiche a taglio per sezioni circolari	
-Usa formulazione sezioni generiche	
-Considera rettangolo inscritto con B/H pari a	1.00
Verifiche a taglio per sezioni generiche	
-Considera Vrdu minimo	
-Considera Vrdu calcolato in corrispondenza di bw minimo	
-Considera Vrdu in corrispondenza di bw medio	x
-Considera Vrdu in corrispondenza di bw massimo	
-Considera sempre Af Staffe non proiettata in direzione del taglio	Si
Barre da considerare tese per verifiche a taglio	
-Solo le barre con deformazione percentuale rispetto	
alla barra più tesa non inferiore al <%>	
-Tutte le barre in trazione	x
Capacità portante	
Efficienza	
-Pari a	1.00
-Automatica	

Verifiche e armature plinti/pali

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
Nodo = Nodo plinto/palo
Az = Azioni ed effetti sul plinto/palo
RVN = Reazioni vincolari agenti
TAG = Effetti dovuti ai tagli
ECC = Effetti dovuti all'eccentricità
PP = Effetti dovuti al peso proprio
SVR = Effetti dovuti ai sovraccarichi e al peso del terreno
TOT = Azioni totali di calcolo
N = Sforzo normale
Tx = Taglio in dir. X
Ty = Taglio in dir. Y
Mx = Momento intorno all'asse X
My = Momento intorno all'asse Y
Mz = Momento intorno all'asse Z
Palo = Numero del palo
Tipo = Tipo di verifica effettuata
R = Raggio
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

Pali n. 335 337 339 341 343 345 347 349 351 353

Caratteristiche del palo e dei materiali utilizzati

R <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Acc.	Fyk <daN/cmq>	Fyd <daN/cmq>
60.00	6.00	C28/35	290.50	19.84	164.62	13.23	B450C	4300.00	3913.04

Le sollecitazioni nei pali vengono calcolate oltre che per l'effetto delle reazioni vincolari anche considerando i seguenti effetti

Azioni ed effetti comuni

Az	N <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
PP	0.00	0.00	0.00	
SVR	0.00			

Azioni ed effetti

Caso	Nodo	CC	TCC	Az	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
197	349	17	SLU	RVN	905643.00	0.00	0.00	-4819.89	-6610.33
	349	17	SLU	TAG				0.00	0.00
	349	17	SLU	ECC				0.00	0.00
	349	17	SLU	TOT	905643.00	0.00	0.00	-4819.89	-6610.33
177	339	17	SLU	RVN	-42046.60	0.00	0.00	-24836.60	-6610.20
	339	17	SLU	TAG				0.00	0.00
	339	17	SLU	ECC				0.00	0.00
	339	17	SLU	TOT	-42046.60	0.00	0.00	-24836.60	-6610.20

Sollecitazioni nei pali

Caso	CC	TCC	Nodo	Palo	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>
197	17	SLU	349	1	-905643.00	0.00	0.00	4819.89	6610.33
177	17	SLU	339	1	42046.60	0.00	0.00	24836.60	6610.20

Verifiche effettuate

Caso	Tipo
197	Massima compressione sui pali

177	Massima trazione sui pali

Verifiche stato limite ultimo per tensioni normali

Caso	CC	TCC	X <cm>	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	Myu <daNm>	Mzu <daNm>	Sic.
31	17	SLU	119.15	-907780.00	-4606.45	6317.60	-907780.00	-163254.00	222712.00	1.311
55	17	SLU	297.87	-156362.00	-15025.30	7058.76	-156362.00	-139506.00	64391.90	7.613
728	17	SLU	297.87	22987.50	-15016.50	4737.34	22988.70	-75851.90	23683.20	5.047
4559	6	SLD	119.15	-379170.00	-2354.31	7199.00	-379170.00	-78780.40	241086.00	4.709
4721	4	SLD	297.87	-348326.00	-1645.86	5095.21	-348326.00	-75380.10	231893.00	5.126

Verifiche stato limite ultimo per sollecitazioni taglianti

Caso	CC	X <cm>	Ty <daN>	Tz <daN>	bw <m>	Asw <cmq>	Vsdu <daN>	ctgθ	VRcd <daN>	VRsd <daN>
31	17	119.15	663.94	484.11	0.85	5.24	821.69	1.00	376488.00	14951.30
55	17	297.87	2916.43	6207.93	0.85	5.24	6858.86	1.00	336137.00	14951.30
728	17	297.87	1957.30	6204.30	0.85	5.24	6505.72	1.00	313740.00	14951.30
4559	6	119.15	756.57	247.42	0.85	5.24	796.00	1.00	524922.00	17194.00
4721	4	297.87	2105.16	680.01	0.85	5.24	2212.27	1.00	520504.00	17194.00

Verifiche stato limite d'esercizio

Caso	CC	TCC	X <cm>	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ_c <daN/cmq>	σ_f <daN/cmq>
8203	18	SLE R	59.57	-648072.00	4380.07	-2262.51	0.00	47.12	57.46	858.55
8246	18	SLE R	0.00	-14593.90	4406.80	-17494.60	31.42	15.71	22.59	743.71
8256	18	SLE R	476.60	-29117.10	1125.99	-3375.20	0.00	47.12	4.42	63.60
8651	20	SLE Q	59.57	-331933.00	0.00	7549.87	0.00	47.12	32.21	477.15
8660	20	SLE Q	59.57	-331933.00	7180.34	2333.05	0.00	47.12	32.21	477.15
9117	20	SLE Q	2800.00	-24519.20	0.00	0.00	0.00	47.12	2.07	31.09

Verifiche effettuate

Caso	Tipo
31	SLU N cost - min. sic.
55	SLU Taglio - min. sic. acciaio
728	SLU Taglio - min. sic. c.a.
4559	SLD N cost - min. sic.
4721	SLD Taglio - min. sic. c.a.,SLD Taglio - min. sic. acciaio
8203	C.Rare - Sc min (max compr.),C.Rare - Sf min (max compr.)
8246	C.Rare - Sf max (max traz.)
8256	C.Rare - Sc max (min. compr.)
8651	C.Q.Per. - Sc min (max compr.)
8660	C.Q.Per. - Sf min (max compr.)
9117	C.Q.Per. - Sc max (min. compr.),C.Q.Per. - Sf max (max traz.)

Verifiche aste in acciaio

Simbologia

Sez. = Numero della sezione
Cod. = Codice
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

D <cm> = Distanza
Area <cmq> = Area
Anet <cmq> = Area netta per compressione
Aeff <cmq> = Area effettiva per trazione
Jy <cm4> = Momento d'inerzia rispetto all'asse Y

Jz	<cm4>	= Momento d'inerzia rispetto all'asse Z
Iy	<cm>	= Raggio giratorio d'inerzia rispetto all'asse Y
Iz	<cm>	= Raggio giratorio d'inerzia rispetto all'asse Z
Wymin	<cmc>	= Modulo di resistenza minimo rispetto all'asse Y
Wzmin	<cmc>	= Modulo di resistenza minimo rispetto all'asse Z
Wy,plas	<cmc>	= Modulo di resistenza plastico intorno all'asse Y
Wz,plas	<cmc>	= Modulo di resistenza plastico intorno all'asse Z
Atag,y	<cmq>	= Area resistente a taglio in dir. Y
Atag,z	<cmq>	= Area resistente a taglio in dir. Z
Jω	<cm6>	= Costante di ingobbamento
CC		= Numero della combinazione delle condizioni di carico elementari
N,Ed	<daN>	= Forza assiale di calcolo
M,Ed	<daNm>	= Momento flettente di calcolo
Nc,Rd	<daN>	= Resistenza a compressione
My,c,Rd	<daNm>	= Resistenza di calcolo a flessione intorno all'asse Y
L	<cm>	= Lunghezza dell'asta
λ		= Snellezza per inflessione
Ncr	<daN>	= Sforzo normale critico euleriano
λ*		= Snellezza adimensionale
Curva		= Curva di instabilità adottata
Φ		= Coefficiente Φ
χ,min		= Coefficiente χ di riduzione per instabilità
Xl	<m>	= Coordinata progressiva (dal nodo iniziale dell'asta) in cui viene effettuato il progetto/verifica
N	<daN>	= Sforzo normale
T	<daN>	= Taglio agente
M	<daNm>	= Momento agente
Mx	<daNm>	= Momento torcente intorno all'asse X
M,c,Rd	<daNm>	= Resistenza di calcolo a flessione
MN,c,Rd	<daNm>	= Resistenza di calcolo a pressoflessione
V,Ed	<daN>	= Forza di taglio di calcolo
Vc,Rd,Red	<daN>	= Resistenza a taglio ridotta

Caratteristiche profilati utilizzati

Sez.	Cod.	Tipo	D <cm>	Area <cmq>	Anet <cmq>	Aeff <cmq>	Jy <cm4>	Jz <cm4>	Iy <cm>	Iz <cm>	Wymin <cmc>	Wzmin <cmc>
1	s_01_01	Cir.c	--	6816.46	6816.46	6816.46	132632000.00	132632000.00	139.49	139.49	663159.00	663159.00
2	s_01_02	Cir.c	--	7182.80	7182.80	7182.80	139551000.00	139551000.00	139.39	139.39	697753.00	697753.00
3	s_01_03	Cir.c	--	4828.46	4828.46	4828.46	94713900.00	94713900.00	140.06	140.06	473569.00	473569.00
4	s_02_01	Cir.c	--	4557.20	4557.20	4557.20	89491500.00	89491500.00	140.13	140.13	447457.00	447457.00
5	s_02_02	Cir.c	--	4384.44	4384.44	4384.44	86159000.00	86159000.00	140.18	140.18	430795.00	430795.00
6	s_02_03	Cir.c	--	4199.19	4199.19	4199.19	82580500.00	82580500.00	140.24	140.24	412903.00	412903.00
7	s_02_04	Cir.c	--	3989.06	3989.06	3989.06	78515000.00	78515000.00	140.29	140.29	392575.00	392575.00
8	s_02_05	Cir.c	--	3766.39	3766.39	3766.39	74199000.00	74199000.00	140.36	140.36	370995.00	370995.00
9	s_02_06	Cir.c	--	3580.67	3580.67	3580.67	70593200.00	70593200.00	140.41	140.41	352966.00	352966.00
10	s_02_07	Cir.c	--	3456.77	3456.77	3456.77	68184500.00	68184500.00	140.44	140.44	340923.00	340923.00
11	s_03_01	Cir.c	--	3513.42	3513.42	3513.42	69075400.00	69075400.00	140.22	140.22	345896.00	345896.00
12	s_03_02	Cir.c	--	3231.32	3231.32	3231.32	63215100.00	63215100.00	139.87	139.87	317504.00	317504.00
13	s_03_03	Cir.c	--	3136.93	3136.93	3136.93	61080300.00	61080300.00	139.54	139.54	307554.00	307554.00
14	s_03_04	Cir.c	--	3065.97	3065.97	3065.97	59351000.00	59351000.00	139.13	139.13	299752.00	299752.00
15	s_03_05	Cir.c	--	3081.11	3081.11	3081.11	59275000.00	59275000.00	138.70	138.70	300279.00	300279.00
16	s_03_07	Cir.c	--	2783.60	2783.60	2783.60	53014600.00	53014600.00	138.00	138.00	270069.00	270069.00
17	s_03_08	Cir.c	--	2677.81	2677.81	2677.81	50707400.00	50707400.00	137.61	137.61	259108.00	259108.00
18	s_03_09	Cir.c	--	2611.62	2611.62	2611.62	49263600.00	49263600.00	137.34	137.34	252246.00	252246.00
19	s_04_01	Cir.c	--	2525.72	2525.72	2525.72	47168400.00	47168400.00	136.66	136.66	242761.00	242761.00
20	s_04_02	Cir.c	--	2460.74	2460.74	2460.74	45348400.00	45348400.00	135.75	135.75	234966.00	234966.00
21	s_04_03	Cir.c	--	2347.50	2347.50	2347.50	42650400.00	42650400.00	134.79	134.79	222601.00	222601.00
22	s_04_04	Cir.c	--	2259.28	2259.28	2259.28	40459700.00	40459700.00	133.82	133.82	212722.00	212722.00
23	s_04_05	Cir.c	--	2185.00	2185.00	2185.00	38603900.00	38603900.00	132.92	132.92	204361.00	204361.00
24	s_04_06	Cir.c	--	2075.38	2075.38	2075.38	36138600.00	36138600.00	131.96	131.96	192739.00	192739.00
25	s_04_07	Cir.c	--	2025.07	2025.07	2025.07	34741100.00	34741100.00	130.98	130.98	186680.00	186680.00
26	s_04_08	Cir.c	--	1920.91	1920.91	1920.91	32577900.00	32577900.00	130.23	130.23	176097.00	176097.00
27	s_04_09	Cir.c	--	1841.73	1841.73	1841.73	30906900.00	30906900.00	129.54	129.54	167972.00	167972.00
28	s_04_10	Cir.c	--	1831.68	1831.68	1831.68	30403600.00	30403600.00	128.84	128.84	166140.00	166140.00
29	s_05_01	Cir.c	--	1748.77	1748.77	1748.77	28560900.00	28560900.00	127.80	127.80	157360.00	157360.00
30	s_05_02	Cir.c	--	1662.31	1662.31	1662.31	26560000.00	26560000.00	126.40	126.40	147967.00	147967.00
31	s_05_03	Cir.c	--	1555.22	1555.22	1555.22	24307100.00	24307100.00	125.02	125.02	136941.00	136941.00
32	s_05_05	Cir.c	--	1411.86	1411.86	1411.86	21091500.00	21091500.00	122.22	122.22	121565.00	121565.00
33	s_05_06	Cir.c	--	1652.00	1652.00	1652.00	24077500.00	24077500.00	120.73	120.73	140394.00	140394.00
34	s_05_07	Cir.c	--	1537.64	1537.64	1537.64	21900300.00	21900300.00	119.34	119.34	129205.00	129205.00
35	s_05_08	Cir.c	--	1477.68	1477.68	1477.68	20555300.00	20555300.00	117.94	117.94	122718.00	122718.00
36	s_05_09	Cir.c	--	1451.42	1451.42	1451.42	19757800.00	19757800.00	116.67	116.67	119239.00	119239.00
37	s_05_10	Cir.c	--	1642.68	1642.68	1642.68	21929900.00	21929900.00	115.54	115.54	133556.00	133556.00
38	s_05_11	Cir.c	--	2031.98	2031.98	2031.98	26566000.00	26566000.00	114.34	114.34	163282.00	163282.00
39	s_03_06	Cir.c	--	2876.27	2876.27	2876.27	55041100.00	55041100.00	138.33	138.33	279680.00	279680.00
40	s_05_04	Cir.c	--	1450.09	1450.09	1450.09	22164300.00	22164300.00	123.63	123.63	126292.00	126292.00

Caratteristiche profilati utilizzati

Sez.	Cod.	Wy,plas <cmc>	Wz,plas <cmc>	Atag,y <cmq>	Atag,z <cmq>	Jω <cm6>
1	s_01_01	835072.00	835073.00	4339.49	4339.49	
2	s_01_02	879292.00	879292.00	4572.72	4572.72	
3	s_01_03	593936.00	593935.00	3073.89	3073.89	
4	s_02_01	560878.00	560879.00	2901.21	2901.21	
5	s_02_02	539806.00	539805.00	2791.22	2791.22	
6	s_02_03	517192.00	517192.00	2673.29	2673.29	
7	s_02_04	491522.00	491520.00	2539.52	2539.52	
8	s_02_05	464292.00	464294.00	2397.76	2397.76	

9	s_02_06	441566.00	441568.00	2279.52	2279.52	
10	s_02_07	426393.00	426395.00	2200.65	2200.65	
11	s_03_01	432673.00	432672.00	2236.71	2236.71	
12	s_03_02	396946.00	396946.00	2057.12	2057.12	
13	s_03_03	384447.00	384448.00	1997.03	1997.03	
14	s_03_04	374653.00	374654.00	1951.86	1951.86	
15	s_03_05	375337.00	375339.00	1961.50	1961.50	
16	s_03_07	337392.00	337391.00	1772.09	1772.09	
17	s_03_08	323638.00	323636.00	1704.75	1704.75	
18	s_03_09	315030.00	315030.00	1662.61	1662.61	
19	s_04_01	303144.00	303145.00	1607.92	1607.92	
20	s_04_02	293394.00	293394.00	1566.56	1566.56	
21	s_04_03	277907.00	277906.00	1494.46	1494.46	
22	s_04_04	265541.00	265543.00	1438.30	1438.30	
23	s_04_05	255079.00	255079.00	1391.02	1391.02	
24	s_04_06	240530.00	240530.00	1321.23	1321.23	
25	s_04_07	232958.00	232957.00	1289.20	1289.20	
26	s_04_08	219709.00	219708.00	1222.89	1222.89	
27	s_04_09	209544.00	209544.00	1172.48	1172.48	
28	s_04_10	207263.00	207262.00	1166.08	1166.08	
29	s_05_01	196284.00	196284.00	1113.30	1113.30	
30	s_05_02	184545.00	184545.00	1058.26	1058.26	
31	s_05_03	170765.00	170764.00	990.09	990.09	
32	s_05_05	151561.00	151561.00	898.82	898.82	
33	s_05_06	175165.00	175164.00	1051.70	1051.70	
34	s_05_07	161171.00	161172.00	978.89	978.89	
35	s_05_08	153069.00	153070.00	940.72	940.72	
36	s_05_09	148730.00	148730.00	924.01	924.01	
37	s_05_10	166698.00	166698.00	1045.76	1045.76	
38	s_05_11	204058.00	204058.00	1293.60	1293.60	
39	s_03_06	349455.00	349455.00	1831.09	1831.09	
40	s_05_04	157455.00	157455.00	923.16	923.16	

Asta n. 10 (110 -116) s_01_02 Crit. 1

- Verifica di stabilità aste presso-inflesse (C4.2.4.1.3.3.2) - CC 17 - Classe 2
  Sollecitazioni: N,Ed=-590723.00 M,Ed=16376800.00
  Resistenze: Nc,Rd=14707600.00 M,c,Rd=18004500.00 L=128.50
  αmy, αmz, αLT=0.95, ----, ----
  λ=0.92 Ncr=175164000000.00 λ*=0.01
  Curva a: Φ=0.00 χ,min=1.00
  Kyy, Kyz, Kzy, Kzz=0.94, ----, ----, ----
  Verifica: 0.04+0.24=0.28

- Verifica a pressoflessione retta - CC 17 Xl=0.00 - Classe 2
  Sollecitazioni: N=-590723.00 T=161059.00 M=16376800.00 M_x=211200.00
  M,Ed=16376800.00 M,c,Rd=18004500.00
  N,Ed=-590723.00 Nc,Rd=14707600.00 n=N,Ed/Nc,Rd=0.04
  MN,c,Rd=17281400.00 M,Ed/MN,c,Rd=0.95

- Verifica a taglio e torsione dir. Z (4.2.26) - CC 17 Xl=0.00
  Sollecitazioni: N=-590723.00 T=161059.00 M=16376800.00 M_x=211200.00
  V,Ed=161059.00 Vc,Rd,Red=5336790.00 V,Ed/Vc,Rd,Red=0.03

Asta n. 10 (-116 112) s_01_01 Crit. 1

- Verifica di stabilità aste presso-inflesse (C4.2.4.1.3.3.2) - CC 17 - Classe 2
  Sollecitazioni: N,Ed=-581304.00 M,Ed=16170400.00
  Resistenze: Nc,Rd=13957500.00 M,c,Rd=17099100.00 L=128.50
  αmy, αmz, αLT=0.95, ----, ----
  λ=0.92 Ncr=166479000000.00 λ*=0.01
  Curva a: Φ=0.00 χ,min=1.00
  Kyy, Kyz, Kzy, Kzz=0.94, ----, ----, ----
  Verifica: 0.04+0.25=0.29

- Verifica a pressoflessione retta - CC 17 Xl=0.00 - Classe 2
  Sollecitazioni: N=-581304.00 T=160194.00 M=16170400.00 M_x=211200.00
  M,Ed=16170400.00 M,c,Rd=17099100.00
  N,Ed=-581304.00 Nc,Rd=13957500.00 n=N,Ed/Nc,Rd=0.04
  MN,c,Rd=16386900.00 M,Ed/MN,c,Rd=0.99

- Verifica a taglio e torsione dir. Z (4.2.26) - CC 17 Xl=0.00
  Sollecitazioni: N=-581304.00 T=160194.00 M=16170400.00 M_x=211200.00
  V,Ed=160194.00 Vc,Rd,Red=5061170.00 V,Ed/Vc,Rd,Red=0.03

Asta n. 10 (112 -115) s_01_01 Crit. 1

- Verifica di stabilità aste presso-inflesse (C4.2.4.1.3.3.2) - CC 17 - Classe 2
  Sollecitazioni: N,Ed=-572365.00 M,Ed=15965100.00
  Resistenze: Nc,Rd=13957500.00 M,c,Rd=17099100.00 L=146.50

αmy, αmz, αLT=0.95, ----, ----
λ=1.05 Ncr=128083000000.00 λ*=0.01
Curva a: Φ=0.00 χ,min=1.00
Kyy, Kyz, Kzy, Kzz=0.94, ----, ----, ----
Verifica: 0.04+0.24=0.29

- Verifica a pressoflessione retta - CC 17 Xl=0.00 - Classe 2
Sollecitazioni: N=-572365.00 T=160194.00 M=15965100.00 M_x=211200.00
M,Ed=15965100.00 M,c,Rd=17099100.00
N,Ed=-572365.00 Nc,Rd=13957500.00 n=N,Ed/Nc,Rd=0.04
MN,c,Rd=16397900.00 M,Ed/MN,c,Rd=0.97

- Verifica a taglio e torsione dir. Z (4.2.26) - CC 17 Xl=0.00
Sollecitazioni: N=-572365.00 T=160194.00 M=15965100.00 M_x=211200.00
V,Ed=160194.00 Vc,Rd,Red=5061170.00 V,Ed/Vc,Rd,Red=0.03

Asta n. 10 (-115 113) s_01_01 Crit. 1

- Verifica di stabilità aste presso-inflesse (C4.2.4.1.3.3.2) - CC 17 - Classe 2
Sollecitazioni: N,Ed=-562174.00 M,Ed=15731000.00
Resistenze: Nc,Rd=13957500.00 M,c,Rd=17099100.00 L=146.50
αmy, αmz, αLT=0.95, ----, ----
λ=1.05 Ncr=128083000000.00 λ*=0.01
Curva a: Φ=0.00 χ,min=1.00
Kyy, Kyz, Kzy, Kzz=0.94, ----, ----, ----
Verifica: 0.04+0.24=0.28

- Verifica a pressoflessione retta - CC 17 Xl=0.00 - Classe 2
Sollecitazioni: N=-562174.00 T=159149.00 M=15731000.00 M_x=211200.00
M,Ed=15731000.00 M,c,Rd=17099100.00
N,Ed=-562174.00 Nc,Rd=13957500.00 n=N,Ed/Nc,Rd=0.04
MN,c,Rd=16410400.00 M,Ed/MN,c,Rd=0.96

- Verifica a taglio e torsione dir. Z (4.2.26) - CC 17 Xl=0.00
Sollecitazioni: N=-562174.00 T=159149.00 M=15731000.00 M_x=211200.00
V,Ed=159149.00 Vc,Rd,Red=5061170.00 V,Ed/Vc,Rd,Red=0.03

Asta n. 10 (113 -114) s_01_01 Crit. 1

- Verifica di stabilità aste presso-inflesse (C4.2.4.1.3.3.2) - CC 17 - Classe 2
Sollecitazioni: N,Ed=-551984.00 M,Ed=15498500.00
Resistenze: Nc,Rd=13957500.00 M,c,Rd=17099100.00 L=75.00
αmy, αmz, αLT=0.95, ----, ----
λ=0.54 Ncr=488702000000.00 λ*=0.01
Curva a: Φ=0.00 χ,min=1.00
Kyy, Kyz, Kzy, Kzz=0.94, ----, ----, ----
Verifica: 0.04+0.24=0.28

- Verifica a pressoflessione retta - CC 17 Xl=0.00 - Classe 2
Sollecitazioni: N=-551984.00 T=159149.00 M=15498500.00 M_x=211200.00
M,Ed=15498500.00 M,c,Rd=17099100.00
N,Ed=-551984.00 Nc,Rd=13957500.00 n=N,Ed/Nc,Rd=0.04
MN,c,Rd=16422900.00 M,Ed/MN,c,Rd=0.94

- Verifica a taglio e torsione dir. Z (4.2.26) - CC 17 Xl=0.00
Sollecitazioni: N=-551984.00 T=159149.00 M=15498500.00 M_x=211200.00
V,Ed=159149.00 Vc,Rd,Red=5061170.00 V,Ed/Vc,Rd,Red=0.03

Asta n. 10 (-114 114) s_01_01 Crit. 1

- Verifica di stabilità aste presso-inflesse (C4.2.4.1.3.3.2) - CC 17 - Classe 2
Sollecitazioni: N,Ed=-546767.00 M,Ed=15379500.00
Resistenze: Nc,Rd=13957500.00 M,c,Rd=17099100.00 L=75.00
αmy, αmz, αLT=0.95, ----, ----
λ=0.54 Ncr=488702000000.00 λ*=0.01
Curva a: Φ=0.00 χ,min=1.00
Kyy, Kyz, Kzy, Kzz=0.94, ----, ----, ----
Verifica: 0.04+0.24=0.28

- Verifica a pressoflessione retta - CC 17 Xl=0.00 - Classe 2
Sollecitazioni: N=-546767.00 T=158565.00 M=15379500.00 M_x=211200.00
M,Ed=15379500.00 M,c,Rd=17099100.00
N,Ed=-546767.00 Nc,Rd=13957500.00 n=N,Ed/Nc,Rd=0.04
MN,c,Rd=16429300.00 M,Ed/MN,c,Rd=0.94

- Verifica a taglio e torsione dir. Z (4.2.26) - CC 17 Xl=0.00
Sollecitazioni: N=-546767.00 T=158565.00 M=15379500.00 M_x=211200.00
V,Ed=158565.00 Vc,Rd,Red=5061170.00 V,Ed/Vc,Rd,Red=0.03

Asta n. 10 (114 -113) s_01_01 Crit. 1

- Verifica di stabilità aste presso-inflesse (C4.2.4.1.3.3.2) - CC 17 - Classe 2
  Sollecitazioni: N,Ed=-541549.00 M,Ed=15260900.00
  Resistenze: Nc,Rd=13957500.00 M,c,Rd=17099100.00 L=145.25
  αmy, αmz, αLT=0.95, ----, ----
  λ=1.04 Ncr=130297000000.00 λ*=0.01
  Curva a: Φ=0.00 χ,min=1.00
  Kyy, Kyz, Kzy, Kzz=0.94, ----, ----, ----
  Verifica: 0.04+0.24=0.28

- Verifica a pressoflessione retta - CC 17 Xl=0.00 - Classe 2
  Sollecitazioni: N=-541549.00 T=158565.00 M=15260900.00 M_x=211200.00
  M,Ed=15260900.00 M,c,Rd=17099100.00
  N,Ed=-541549.00 Nc,Rd=13957500.00 n=N,Ed/Nc,Rd=0.04
  MN,c,Rd=16435600.00 M,Ed/MN,c,Rd=0.93

- Verifica a taglio e torsione dir. Z (4.2.26) - CC 17 Xl=0.00
  Sollecitazioni: N=-541549.00 T=158565.00 M=15260900.00 M_x=211200.00
  V,Ed=158565.00 Vc,Rd,Red=5061170.00 V,Ed/Vc,Rd,Red=0.03

Asta n. 10 (-113 115) s_01_01 Crit. 1

- Verifica di stabilità aste presso-inflesse (C4.2.4.1.3.3.2) - CC 17 - Classe 2
  Sollecitazioni: N,Ed=-531446.00 M,Ed=15031200.00
  Resistenze: Nc,Rd=13957500.00 M,c,Rd=17099100.00 L=145.25
  αmy, αmz, αLT=0.95, ----, ----
  λ=1.04 Ncr=130297000000.00 λ*=0.01
  Curva a: Φ=0.00 χ,min=1.00
  Kyy, Kyz, Kzy, Kzz=0.94, ----, ----, ----
  Verifica: 0.04+0.23=0.27

- Verifica a pressoflessione retta - CC 17 Xl=0.00 - Classe 2
  Sollecitazioni: N=-531446.00 T=157340.00 M=15031200.00 M_x=211200.00
  M,Ed=15031200.00 M,c,Rd=17099100.00
  N,Ed=-531446.00 Nc,Rd=13957500.00 n=N,Ed/Nc,Rd=0.04
  MN,c,Rd=16448000.00 M,Ed/MN,c,Rd=0.91

- Verifica a taglio e torsione dir. Z (4.2.26) - CC 17 Xl=0.00
  Sollecitazioni: N=-531446.00 T=157340.00 M=15031200.00 M_x=211200.00
  V,Ed=157340.00 Vc,Rd,Red=5061170.00 V,Ed/Vc,Rd,Red=0.03

Sintesi

Tipo di normativa: stati limite D.M. 08
Tipo di calcolo: analisi sismica statica

Dati generali della struttura

- Zona sismica: zona 4
- Sito di costruzione: SP144, 72026 San Pancrazio salentino BR, Italia LON. 17.79020 LAT. 40.39720
  Contenuto tra ID reticolo: 34809 34808 35030 35031

Pericolosità sismica di base

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
FV = Valore massimo del fattore di amplificazione dello spettro in accelerazione verticale
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
S = Coefficiente di amplificazione stratigrafica e topografica
TC = Periodo corrispondente all'inizio del tratto dello spettro a velocità costante
TB = Periodo corrispondente all'inizio del tratto dello spettro ad accelerazione costante
TD = Periodo corrispondente all'inizio del tratto dello spettro a spostamento costante

TCC	T_R	Ag	FO	FV	TC*	S_S	C_C	S	TC	TB	TD

		<g>									
SLD	201	0.0386	2.48	0.66	0.40	1.20	1.32	1.20	0.52	0.17	1.75
SLV	1898	0.0708	2.86	1.03	0.53	1.20	1.25	1.20	0.66	0.22	1.88

- Edificio esistente: No
- Tipo di opera: Opera ordinaria
- Vita nominale V_N: 100.00
- Classe d'uso: Classe IV
- Coefficiente d'uso CU: 2.00
- Periodo di riferimento VR: 200.00

Dati di progetto

- Categoria del suolo di fondazione: B
- Tipologia edificio: acciaio a mensola o a pendolo inverso

Coeff. C_1: 0.085
Periodo T_1: 3.00847
Coeff. λ SLD: 1.00
Coeff. λ SLV: 1.00
Rapporto di sovraresistenza (α_u/α_1): 1.00
Valore di riferimento del fattore di struttura (q_0): 2.00
Fattore riduttivo (K_w): 1.00
Fattore riduttivo regolarità in altezza (KR): 1.00
Fattore di struttura (q): 2.00

- Categoria topografica: T1 - Superficie pianeggiante, pendii e rilievi isolati con inclinazione media i<=15°
- Coeff. amplificazione topografica S_T: 1.00
- Quota di riferimento: 0.00 <m>
- Altezza della struttura: 116.21 <m>
- Numero piani edificio: 0
- Coefficiente θ: 0.00
- Edificio regolare in altezza: si
- Edificio regolare in pianta: si
- Classe di duttilità: Classe B
- Fattore di struttura per sisma verticale (qv): 1.50
- Smorzamento spettro: 5.00%
- Coefficiente θ: 0.00

Spettro SLD.TXT :

0.0000 0.4550
0.0500 0.6472
0.1000 0.8394
0.1500 1.0316
0.1750 1.1276
0.2000 1.1276
0.2500 1.1276
0.3000 1.1276
0.3500 1.1276
0.4000 1.1276
0.4500 1.1276
0.5000 1.1276
0.5249 1.1276
0.5500 1.0762
0.6000 0.9865
0.6500 0.9106
0.7000 0.8456
0.7500 0.7892
0.8000 0.7399
0.8500 0.6964
0.9000 0.6577
0.9500 0.6231
1.0000 0.5919
1.0500 0.5637
1.1000 0.5381
1.1500 0.5147
1.2000 0.4932
1.2500 0.4735
1.3000 0.4553
1.3500 0.4384
1.4000 0.4228
1.4500 0.4082
1.5000 0.3946
1.5500 0.3819
1.6000 0.3699
1.6500 0.3587
1.7000 0.3482
1.7500 0.3382
1.7546 0.3373
1.8000 0.3205
1.8500 0.3034

1.9000 0.2877
1.9500 0.2731
2.0000 0.2596
2.0500 0.2471
2.1000 0.2355
2.1500 0.2247
2.2000 0.2146
2.2500 0.2051
2.3000 0.1963
2.3500 0.1881
2.4000 0.1803
2.4500 0.1730
2.5000 0.1662
2.5500 0.1597
2.6000 0.1536
2.6500 0.1479
2.7000 0.1425
2.7500 0.1373
2.8000 0.1325
2.8500 0.1279
2.9000 0.1235
2.9500 0.1193
3.0000 0.1154
3.0500 0.1116
3.1000 0.1081
3.1500 0.1047
3.2000 0.1014
3.2500 0.0983
3.3000 0.0954
3.3500 0.0925
3.4000 0.0898
3.4500 0.0873
3.5000 0.0848
3.5500 0.0824
3.6000 0.0801
3.6500 0.0780
3.7000 0.0759
3.7500 0.0739
3.8000 0.0719
3.8500 0.0701
3.9000 0.0683
3.9500 0.0666
4.0000 0.0649

Spettro SLV.TXT :

0.0000 0.8333
0.0500 0.9148
0.1000 0.9964
0.1500 1.0780
0.2000 1.1596
0.2208 1.1935
0.2500 1.1935
0.3000 1.1935
0.3500 1.1935
0.4000 1.1935
0.4500 1.1935
0.5000 1.1935
0.5500 1.1935
0.6000 1.1935
0.6500 1.1935
0.6623 1.1935
0.7000 1.1292
0.7500 1.0539
0.8000 0.9881
0.8500 0.9299
0.9000 0.8783
0.9500 0.8321
1.0000 0.7905
1.0500 0.7528
1.1000 0.7186
1.1500 0.6874
1.2000 0.6587
1.2500 0.6324
1.3000 0.6080
1.3500 0.5855
1.4000 0.5646
1.4500 0.5451
1.5000 0.5270
1.5500 0.5100
1.6000 0.4940
1.6500 0.4791

1.7000 0.4650
1.7500 0.4517
1.8000 0.4391
1.8500 0.4273
1.8831 0.4198
1.9000 0.4123
1.9500 0.3915
2.0000 0.3721
2.0500 0.3542
2.1000 0.3375
2.1500 0.3220
2.2000 0.3075
2.2500 0.2940
2.3000 0.2814
2.3500 0.2695
2.4000 0.2584
2.4500 0.2480
2.5000 0.2382
2.5500 0.2289
2.6000 0.2202
2.6500 0.2120
2.7000 0.2042
2.7500 0.1968
2.8000 0.1899
2.8500 0.1833
2.9000 0.1770
2.9500 0.1710
3.0000 0.1654
3.0500 0.1600
3.1000 0.1549
3.1500 0.1500
3.2000 0.1454
3.2500 0.1409
3.3000 0.1389
3.3500 0.1389
3.4000 0.1389
3.4500 0.1389
3.5000 0.1389
3.5500 0.1389
3.6000 0.1389
3.6500 0.1389
3.7000 0.1389
3.7500 0.1389
3.8000 0.1389
3.8500 0.1389
3.9000 0.1389
3.9500 0.1389
4.0000 0.1389

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	peso proprio struttura	1.00	1.00	0.00	0.00	0.00	1.00	1	S	--
2	peso navicella	1.00	1.00	0.00	0.00	0.00	1.00	2	S	--
3	vento navicella	1.00	1.00	0.00	0.00	0.00	1.00	10	S	B
4	vento torre	1.00	1.00	0.00	0.00	0.00	1.00	10	S	B
5	neve navicella	1.00	1.00	0.00	0.00	0.00	1.00	11	S	B
6	zavorra	1.00	1.00	0.00	0.00	0.00	1.00	1	S	--

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	1.50				
10	D.M. 08 Variabili Vento	Q	N	0.00	1.50	0.60	0.20	0.00	0.00
11	D.M. 08 Variabili Neve (a quota <= 1000 m s.l.m.)	Q	N	0.00	1.50	0.50	0.20	0.00	0.00

Elenco masse nodi

Simbologia
Nodo = Numero del nodo
Mo = Massa orizzontale

Nodo	Mo <kg>	Nodo	Mo <kg>	Nodo	Mo <kg>	Nodo	Mo <kg>	Nodo	Mo <kg>	Nodo	Mo <kg>
-123	4636.50	-122	4636.50	-121	4636.50	-120	4791.05	-119	4829.69	-118	4829.69
-117	4597.43	-116	7197.46	-115	7990.93	-114	4090.92	-113	7922.75	-112	5660.40
-111	4558.36	-110	4560.99	-109	4435.47	-108	4309.28	-107	4068.75	-106	4197.60
-105	4052.37	-104	4092.08	-103	3763.50	-102	3653.58	-101	3570.92	-100	3588.57
-99	3349.98	-98	3242.05	-97	2594.93	-96	2530.78	-95	2917.45	-94	2842.39
-93	2711.58	-92	2609.68	-91	2523.88	-90	2397.26	-89	2339.15	-88	1585.54
-87	1520.18	-86	1511.89	-85	2007.40	-84	1908.15	-83	1785.23	-82	1666.87
-81	1340.48	-80	1898.97	-79	1767.51	-78	1698.58	-77	1274.09	-76	1441.98
-75	1783.72	-74	2560.65	-73	2560.65	-72	2560.65	-71	2560.65	-70	2560.65
-69	2560.65	-68	2560.65	-67	2560.65	-66	2560.65	-65	2560.65	-64	2560.65
-63	2560.65	-62	2560.65	-61	2560.65	-60	2560.65	-59	2560.65	-58	2560.65
-57	2560.65	-56	2560.65	-19	2560.65	110	46903.90	112	7500.02	113	6040.92
114	6006.83	115	6791.57	116	5245.04	117	4559.68	118	4498.23	119	4372.38
120	4189.01	121	4133.18	122	4124.99	123	4072.22	124	3927.78	125	3708.54
126	3612.24	127	3579.75	128	3469.27	129	3296.02	130	2918.48	131	2562.86
132	2724.11	133	2879.93	134	2776.98	135	2660.64	136	2566.78	137	2460.58
138	2368.20	139	1962.35	140	1552.86	141	1516.04	142	1759.64	143	1957.78
144	1846.69	145	1726.05	146	1644.90	147	1478.50	148	1833.24	149	1733.05
150	1486.34	151	1358.04	152	1612.84	153	116590.00	268	4829.69	269	4810.37
270	4713.78	271	4636.50	272	4636.51						

Totali masse nodi

Mo <kg>
536769.00

Materiali

Cemento armato

Elenco dei criteri di progetto e delle loro principali caratteristiche meccaniche utilizzate:
Plinti/Pali: 1

Calcestruzzo

Tipo di calcestruzzo: C28/35
Rck calcestruzzo <daN/cmq>: 350.00
Resistenza caratteristica cilindrica a compressione del calcestruzzo (Fck) <daN/cmq>: 290.50
Resistenza caratteristica a trazione del calcestruzzo (Fctk) <daN/cmq>: 19.84
α_{cc}: 0.85
γ_c: 1.50
Resistenza di calcolo a compressione del calcestruzzo (Fcd) <daN/cmq>: 164.62

Resistenza di calcolo a trazione del calcestruzzo (Fctd) <daN/cmq>: 13.23

Acciaio

Tipo di acciaio: B450C

Elenco dei criteri di progetto e delle loro principali caratteristiche meccaniche utilizzate:
Plinti/Pali: 1

Calcestruzzo

Tipo di calcestruzzo: C28/35
Rck calcestruzzo <daN/cmq>: 350.00
Resistenza caratteristica cilindrica a compressione del calcestruzzo (Fck) <daN/cmq>: 290.50
Resistenza caratteristica a trazione del calcestruzzo (Fctk) <daN/cmq>: 19.84
α_{cc}: 0.85
γ_c: 1.50
Resistenza di calcolo a compressione del calcestruzzo (Fcd) <daN/cmq>: 164.62
Resistenza di calcolo a trazione del calcestruzzo (Fctd) <daN/cmq>: 13.23

Acciaio

Tipo di acciaio: B450C
Tensione caratteristica di snervamento dell'acciaio (Fyk) <daN/cmq>: 4300.00
γ_s: 1.15
Resistenza di calcolo dell'acciaio (Fyd) <daN/cmq>: 3739.13

Prove in sito
Elenco colonne stratigrafiche

Simbologia

St.	= Strato
z	= Profondità della superficie superiore dello strato
Spess.	= Spessore
Unità geotecnica	= Unità geotecnica
Class.	= Classificazione Coes. = Coesivo Inc. = Incoerente Roc. = Roccia N. c. = Non classificato
γ	= Peso specifico del terreno naturale
γ_{sat}	= Peso specifico del terreno saturo
ϕ'	= Angolo di attrito efficace
c'	= Coesione efficace
c_u	= Coesione non drenata
E	= Modulo elastico normale
G	= Modulo elastico tangenziale
E_{ed}	= Modulo edometrico

Colonna stratigrafica numero 1 str_01

St.	z <m>	Spess. <cm>	Unità geotecnica	Class.	γ <daN/mc>	γ_{sat} <daN/mc>	ϕ' <grad>	c' <daN/mq>	c_u <daN/mq>	E <daN/mq>	G <daN/mq>	E_{ed} <daN/mq>
1	0.00	--	1 Calcarenite	Roc.	1940.00	1940.00	30.00	200.00		55000000.00	18970000.00	37930000.00

Le verifiche degli elementi di fondazione sono state effettuate utilizzando l'approccio 2 - Combinazione 1.
Coefficienti parziali per le azioni, per verifiche in condizioni statiche:
Permanenti strutturali, sicurezza a favore γ_A = 1.00;
Permanenti strutturali, sicurezza a sfavore γ_A = 1.30;
Permanenti non strutturali, sicurezza a favore γ_A = 0.00;
Permanenti non strutturali, sicurezza a sfavore γ_A = 1.50;
Variabili, sicurezza a favore γ_A = 0.00;
Variabili, sicurezza a sfavore γ_A = 1.50.

I coefficienti parziali per le azioni sono posti pari all'unità per le verifiche in condizioni sismiche.

Tali coefficienti sono comunque desumibili dalla tabella delle combinazioni delle CCE (Parametri di calcolo).

Coefficienti parziali per i parametri geotecnici:
Tangente dell'angolo di attrito γ_M = 1.00;
Coesione efficace γ_M = 1.00;
Coesione non drenata γ_M = 1.00;

Coefficienti parziali per la resistenza delle fondazioni superficiali:
Capacità portante γ_R = 2.30;
Scorrimento γ_R = 1.10;
Coefficienti parziali per la resistenza delle fondazioni profonde:
Per pali infissi:

Resistenza alla base $\gamma_{R,b} = 1.15$;
Resistenza laterale in compressione $\gamma_{R,s} = 1.15$;
Resistenza laterale in trazione $\gamma_{R,t} = 1.25$;
Per pali trivellati:
Resistenza alla base $\gamma_{R,b} = 1.35$;
Resistenza laterale in compressione $\gamma_{R,s} = 1.15$;
Resistenza laterale in trazione $\gamma_{R,t} = 1.25$;
Per pali ad elica continua:
Resistenza alla base $\gamma_{R,b} = 1.30$;
Resistenza laterale in compressione $\gamma_{R,s} = 1.15$;
Resistenza laterale in trazione $\gamma_{R,t} = 1.25$;
Fattore di correlazione per la determinazione della resistenza caratteristica desumibile dai criteri di progetto.

Spostamento relativo

Max = 0.00 <cm>

Minimo coefficiente di sicurezza

Simbologia
Elem. = Elemento
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
TV = Tipo di verifica
  PRFL = Flessione e pressoflessione
  TAG = Taglio o altre rotture fragili
  NOD = Nodi in c.a. e collegamenti in acciaio
  STAB = Stabilità
  CP = Capacità portante
  RNP = Resistenza nel piano
  RFP = Resistenza fuori piano
  CIN = Cinematismi
Sic. = Sicurezza

Tabella elementi e minimo coefficiente di sicurezza

Elem.	CC	TCC	TV	Sic.
Plinto/Palo n. 349	17	SLU	PRFL	1.31
Plinto/Palo n. 343	17	SLU	TAG	2.18
Asta in acciaio n. 10	17	SLU	PRFL	1.01
Asta in acciaio n. 10	17	SLU	TAG	31.59
Asta in acciaio n. 10	17	SLU	STAB	3.46

Minimo coefficiente di sicurezza:1.01

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:
- Legge n. 64 del 2/2/1974 - Provvedimenti per le costruzioni con particolari prescrizioni per le zone sismiche.

- D.M. del 24/1/1986 - Norme tecniche relative alle costruzioni sismiche.

- Legge n. 1086 del 5/11/1971 - Norme per la disciplina delle opere di conglomerato cementizio armato, normale e precompresso ed a struttura metallica.

- D.M. del 14/2/1992 - Norme tecniche per l'esecuzione delle opere in c.a. normale e precompresso e per le strutture metalliche.

- D.M. del 9/1/1996 - Norme tecniche per l'esecuzione delle opere in c.a. normale e precompresso e per le strutture metalliche.

- D.M. del 16/1/1996 - Norme tecniche per le costruzioni in zone sismiche.

- Circolare n. 21745 del 30/7/1981 - Legge n. 219 del 14/5/1981 - Art. 10 - Istruzioni relative al rafforzamento degli edifici in muratura danneggiati dal sisma.

- Regione Autonoma Friuli Venezia Giulia - Legge Regionale n. 30 del 20/6/1977 - Documentazione tecnica per la progettazione e direzione delle opere di riparazione degli edifici - Documento Tecnico n. 2 - Raccomandazioni per la riparazione strutturale degli edifici in muratura.

- D.M. del 20/11/1987 - Norme Tecniche per la progettazione, esecuzione e collaudo degli edifici in muratura e per il loro consolidamento.

- Norme Tecniche C.N.R. n. 10011-85 del 18/4/1985 - Costruzioni di acciaio - Istruzioni per il calcolo, l'esecuzione, il collaudo e la manutenzione.

- Norme Tecniche C.N.R. n. 10025-84 del 14/12/1984 - Istruzioni per il progetto, l'esecuzione ed il controllo

delle strutture prefabbricate in conglomerato cementizio e per le strutture costruite con sistemi industrializzati di acciaio - Istruzioni per il calcolo, l'esecuzione, il collaudo e la manutenzione.

- Circolare n. 65 del 10/4/1997 - Istruzioni per l'applicazione delle "Norme tecniche per le costruzioni in zone sismiche" di cui al D.M. del 16/1/1996.

- Eurocodice 5 - Progettazione delle strutture di legno.

- DIN 1052 - Metodi di verifica per il legno.

- 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.

- Documento Tecnico CNR-DT 200 R1/2012 - Istruzioni per la Progettazione, l'Esecuzione ed il Controllo di Interventi di Consolidamento Statico mediante l'utilizzo di Compositi Fibrorinforzati.

- Eurocodice 3 - Progettazione delle strutture in acciaio.

- UNI EN 1992-1-2 - Aprile 2005 - Eurocodice 2 - Progettazione delle strutture di calcestruzzo - Parte 1-2: Regole generali - Progettazione strutturale contro l'incendio.

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	Nodo	X <m>	Y <m>	Z <m>	Imp.	Vn	Nodo	X <m>	Y <m>	Z <m>	Imp.	Vn
-123	0.00	0.00	30.02	0	1	-122	0.00	0.00	27.61	0	1	-121	0.00	0.00	25.21	0	1
-120	0.00	0.00	22.77	0	1	-119	0.00	0.00	20.29	0	1	-118	0.00	0.00	17.79	0	1
-117	0.00	0.00	31.21	0	1	-116	0.00	0.00	4.99	0	1	-115	0.00	0.00	7.74	0	1
-114	0.00	0.00	9.95	0	1	-113	0.00	0.00	12.15	0	1	-112	0.00	0.00	15.07	0	1
-111	0.00	0.00	32.47	0	1	-110	0.00	0.00	35.02	0	1	-109	0.00	0.00	37.63	0	1
-108	0.00	0.00	40.30	0	1	-107	0.00	0.00	43.01	0	1	-106	0.00	0.00	45.82	0	1
-105	0.00	0.00	48.75	0	1	-104	0.00	0.00	51.67	0	1	-103	0.00	0.00	54.58	0	1
-102	0.00	0.00	57.49	0	1	-101	0.00	0.00	60.40	0	1	-100	0.00	0.00	63.31	0	1
-99	0.00	0.00	66.23	0	1	-98	0.00	0.00	69.14	0	1	-97	0.00	0.00	71.80	0	1
-96	0.00	0.00	74.22	0	1	-95	0.00	0.00	76.88	0	1	-94	0.00	0.00	79.77	0	1
-93	0.00	0.00	82.65	0	1	-92	0.00	0.00	85.54	0	1	-91	0.00	0.00	88.43	0	1
-90	0.00	0.00	91.31	0	1	-89	0.00	0.00	94.20	0	1	-88	0.00	0.00	96.68	0	1

-87	0.00	0.00	98.74	0	1
-84	0.00	0.00	106.14	0	1
-81	0.00	0.00	114.75	0	1
-78	0.00	0.00	122.87	0	1
-75	0.00	0.00	129.79	0	1
-72	1.18	-1.62	3.70	0	1
-69	-0.62	-1.90	3.70	0	1
-66	-1.90	-0.62	3.70	0	1
-63	-1.62	1.18	3.70	0	1
-60	-0.00	2.00	3.70	0	1
-57	1.62	1.18	3.70	0	1
-54	1.62	-1.18	0.00	0	3
-51	0.00	-2.00	0.00	0	3
-48	-1.62	-1.18	0.00	0	3
-45	-1.90	0.62	0.00	0	3
-42	-0.62	1.90	0.00	0	3
-39	1.18	1.62	0.00	0	3
-19	2.00	0.00	3.70	0	1
2	2.70	0.00	0.00	0	3
112	0.00	0.00	6.27	0	1
115	0.00	0.00	13.61	0	1
118	0.00	0.00	36.31	0	1
121	0.00	0.00	44.35	0	1
124	0.00	0.00	53.13	0	1
127	0.00	0.00	61.86	0	1
130	0.00	0.00	70.59	0	1
133	0.00	0.00	78.32	0	1
136	0.00	0.00	86.98	0	1
139	0.00	0.00	95.64	0	1
142	0.00	0.00	101.83	0	1
145	0.00	0.00	110.44	0	1
148	0.00	0.00	118.56	0	1
151	0.00	0.00	126.50	0	1
249	2.57	0.83	0.00	0	3
252	0.83	2.57	0.00	0	3
255	-1.59	2.18	0.00	0	3
258	-2.70	0.00	0.00	0	3
261	-1.59	-2.18	0.00	0	3
264	0.83	-2.57	0.00	0	3
267	2.57	-0.83	0.00	0	3
270	0.00	0.00	24.02	0	1
273	4.16	0.00	0.00	0	3
276	8.54	0.00	0.00	0	3
279	3.37	2.45	0.00	0	3
282	-0.00	4.16	0.00	0	3
285	-3.37	2.45	0.00	0	3
288	-3.96	-1.29	0.00	0	3
291	-1.29	-3.96	0.00	0	3
294	2.45	-3.37	0.00	0	3
297	5.34	1.74	0.00	0	3
300	1.74	5.34	0.00	0	3
303	-3.30	4.55	0.00	0	3
306	-5.62	-0.00	0.00	0	3
309	-3.30	-4.55	0.00	0	3
312	1.74	-5.34	0.00	0	3
315	5.34	-1.74	0.00	0	3
318	4.16	5.73	0.00	0	3
321	-2.19	6.73	0.00	0	3
324	-6.73	2.19	0.00	0	3
327	-5.73	-4.16	0.00	0	3
330	0.00	-7.08	0.00	0	3
333	5.73	-4.16	0.00	0	3
336	6.91	5.02	0.00	0	3
339	0.00	8.54	0.00	0	3
342	-6.91	5.02	0.00	0	3
345	-8.12	-2.64	0.00	0	3
348	-2.64	-8.12	0.00	0	3
351	5.02	-6.91	0.00	0	3
354	9.51	3.09	0.00	0	3
357	3.09	9.51	0.00	0	3
360	-5.88	8.09	0.00	0	3
363	-10.00	0.00	0.00	0	3
366	-5.88	-8.09	0.00	0	3
369	3.09	-9.51	0.00	0	3
372	9.51	-3.09	0.00	0	3

-86	0.00	0.00	100.80	0	1
-83	0.00	0.00	109.01	0	1
-80	0.00	0.00	117.12	0	1
-77	0.00	0.00	125.40	0	1
-74	1.90	-0.62	3.70	0	1
-71	0.62	-1.90	3.70	0	1
-68	-1.18	-1.62	3.70	0	1
-65	-2.00	-0.00	3.70	0	1
-62	-1.18	1.62	3.70	0	1
-59	0.62	1.90	3.70	0	1
-56	1.90	0.62	3.70	0	1
-53	1.18	-1.62	0.00	0	3
-50	-0.62	-1.90	0.00	0	3
-47	-1.90	-0.62	0.00	0	3
-44	-1.62	1.18	0.00	0	3
-41	-0.00	2.00	0.00	0	3
-38	1.62	1.18	0.00	0	3
-1	2.00	0.00	0.00	0	3
110	0.00	0.00	3.70	0	1
113	0.00	0.00	9.20	0	1
116	0.00	0.00	16.54	0	1
119	0.00	0.00	38.95	0	1
122	0.00	0.00	47.28	0	1
125	0.00	0.00	56.04	0	1
128	0.00	0.00	64.77	0	1
131	0.00	0.00	73.01	0	1
134	0.00	0.00	81.21	0	1
137	0.00	0.00	89.87	0	1
140	0.00	0.00	97.71	0	1
143	0.00	0.00	104.70	0	1
146	0.00	0.00	113.31	0	1
149	0.00	0.00	121.43	0	1
152	0.00	0.00	128.69	0	1
250	2.18	1.59	0.00	0	3
253	0.00	2.70	0.00	0	3
256	-2.18	1.59	0.00	0	3
259	-2.57	-0.83	0.00	0	3
262	-0.83	-2.57	0.00	0	3
265	1.59	-2.18	0.00	0	3
268	0.00	0.00	19.04	0	1
271	0.00	0.00	26.41	0	1
274	5.62	0.00	0.00	0	3
277	10.00	0.00	0.00	0	3
280	2.45	3.37	0.00	0	3
283	-1.29	3.96	0.00	0	3
286	-3.96	1.29	0.00	0	3
289	-3.37	-2.45	0.00	0	3
292	0.00	-4.16	0.00	0	3
295	3.37	-2.45	0.00	0	3
298	4.55	3.30	0.00	0	3
301	-0.00	5.62	0.00	0	3
304	-4.55	3.30	0.00	0	3
307	-5.34	-1.74	0.00	0	3
310	-1.74	-5.34	0.00	0	3
313	3.30	-4.55	0.00	0	3
316	6.73	2.19	0.00	0	3
319	2.19	6.73	0.00	0	3
322	-4.16	5.73	0.00	0	3
325	-7.08	-0.00	0.00	0	3
328	-4.16	-5.73	0.00	0	3
331	2.19	-6.73	0.00	0	3
334	6.73	-2.19	0.00	0	3
337	5.02	6.91	0.00	0	3
340	-2.64	8.12	0.00	0	3
343	-8.12	2.64	0.00	0	3
346	-6.91	-5.02	0.00	0	3
349	-0.00	-8.54	0.00	0	3
352	6.91	-5.02	0.00	0	3
355	8.09	5.88	0.00	0	3
358	0.00	10.00	0.00	0	3
361	-8.09	5.88	0.00	0	3
364	-9.51	-3.09	0.00	0	3
367	-3.09	-9.51	0.00	0	3
370	5.88	-8.09	0.00	0	3

-85	0.00	0.00	103.27	0	1
-82	0.00	0.00	111.88	0	1
-79	0.00	0.00	120.00	0	1
-76	0.00	0.00	127.60	0	1
-73	1.62	-1.18	3.70	0	1
-70	0.00	-2.00	3.70	0	1
-67	-1.62	-1.18	3.70	0	1
-64	-1.90	0.62	3.70	0	1
-61	-0.62	1.90	3.70	0	1
-58	1.18	1.62	3.70	0	1
-55	1.90	-0.62	0.00	0	3
-52	0.62	-1.90	0.00	0	3
-49	-1.18	-1.62	0.00	0	3
-46	-2.00	-0.00	0.00	0	3
-43	-1.18	1.62	0.00	0	3
-40	0.62	1.90	0.00	0	3
-37	1.90	0.62	0.00	0	3
1	0.00	0.00	0.00	0	3
111	0.00	0.00	1.50	0	3
114	0.00	0.00	10.70	0	1
117	0.00	0.00	33.72	0	1
120	0.00	0.00	41.66	0	1
123	0.00	0.00	50.22	0	1
126	0.00	0.00	58.95	0	1
129	0.00	0.00	67.68	0	1
132	0.00	0.00	75.44	0	1
135	0.00	0.00	84.10	0	1
138	0.00	0.00	92.76	0	1
141	0.00	0.00	99.77	0	1
144	0.00	0.00	107.57	0	1
147	0.00	0.00	115.69	0	1
150	0.00	0.00	124.31	0	1
153	0.00	0.00	130.89	0	1
251	1.59	2.18	0.00	0	3
254	-0.83	2.57	0.00	0	3
257	-2.57	0.83	0.00	0	3
260	-2.18	-1.59	0.00	0	3
263	-0.00	-2.70	0.00	0	3
266	2.18	-1.59	0.00	0	3
269	0.00	0.00	21.54	0	1
272	0.00	0.00	28.82	0	1
275	7.08	0.00	0.00	0	3
278	3.96	1.29	0.00	0	3
281	1.29	3.96	0.00	0	3
284	-2.45	3.37	0.00	0	3
287	-4.16	-0.00	0.00	0	3
290	-2.45	-3.37	0.00	0	3
293	1.29	-3.96	0.00	0	3
296	3.96	-1.29	0.00	0	3
299	3.30	4.55	0.00	0	3
302	-1.74	5.34	0.00	0	3
305	-5.34	1.74	0.00	0	3
308	-4.55	-3.30	0.00	0	3
311	0.00	-5.62	0.00	0	3
314	4.55	-3.30	0.00	0	3
317	5.73	4.16	0.00	0	3
320	-0.00	7.08	0.00	0	3
323	-5.73	4.16	0.00	0	3
326	-6.73	-2.19	0.00	0	3
329	-2.19	-6.73	0.00	0	3
332	4.16	-5.73	0.00	0	3
335	8.12	2.64	0.00	0	3
338	2.64	8.12	0.00	0	3
341	-5.02	6.91	0.00	0	3
344	-8.54	0.00	0.00	0	3
347	-5.02	-6.91	0.00	0	3
350	2.64	-8.12	0.00	0	3
353	8.12	-2.64	0.00	0	3
356	5.88	8.09	0.00	0	3
359	-3.09	9.51	0.00	0	3
362	-9.51	3.09	0.00	0	3
365	-8.09	-5.88	0.00	0	3
368	-0.00	-10.00	0.00	0	3
371	8.09	-5.88	0.00	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
2	Acciaio	7850	2100000.00	800000.00	0.3	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
s = Spessore
R = Raggio
Ma = Numero del materiale
C = Numero del criterio di progetto
Ccol = Numero del criterio di progetto collegamento

Sez.	Comm.	Tipo	Me	Ver.	s <cm>	R <cm>	Ma	C	Ccol	Sez.	Comm.	Tipo	Me	Ver.	s <cm>	R <cm>	Ma	C	Ccol
1	s_01_01	Cir.c	T	A	5.50	200.00	2	1	1	3	s_01_03	Cir.c	T	A	3.88	200.00	2	1	1
4	s_02_01	Cir.c	T	A	3.66	200.00	2	1	1	5	s_02_02	Cir.c	T	A	3.52	200.00	2	1	1
6	s_02_03	Cir.c	T	A	3.37	200.00	2	1	1	7	s_02_04	Cir.c	T	A	3.20	200.00	2	1	1
8	s_02_05	Cir.c	T	A	3.02	200.00	2	1	1	9	s_02_06	Cir.c	T	A	2.87	200.00	2	1	1
10	s_02_07	Cir.c	T	A	2.77	200.00	2	1	1	11	s_03_01	Cir.c	T	A	2.82	199.70	2	1	1
12	s_03_02	Cir.c	T	A	2.60	199.10	2	1	1	13	s_03_03	Cir.c	T	A	2.53	198.60	2	1	1
14	s_03_04	Cir.c	T	A	2.48	198.00	2	1	1	15	s_03_05	Cir.c	T	A	2.50	197.40	2	1	1
16	s_03_07	Cir.c	T	A	2.27	196.30	2	1	1	17	s_03_08	Cir.c	T	A	2.19	195.70	2	1	1
18	s_03_09	Cir.c	T	A	2.14	195.30	2	1	1	19	s_04_01	Cir.c	T	A	2.08	194.30	2	1	1
20	s_04_02	Cir.c	T	A	2.04	193.00	2	1	1	21	s_04_03	Cir.c	T	A	1.96	191.60	2	1	1
22	s_04_04	Cir.c	T	A	1.90	190.20	2	1	1	23	s_04_05	Cir.c	T	A	1.85	188.90	2	1	1
24	s_04_06	Cir.c	T	A	1.77	187.50	2	1	1	25	s_04_07	Cir.c	T	A	1.74	186.10	2	1	1
26	s_04_08	Cir.c	T	A	1.66	185.00	2	1	1	27	s_04_09	Cir.c	T	A	1.60	184.00	2	1	1

28	s_04_10	Cir.c	T	A	1.60	183.00	2	1	1
30	s_05_02	Cir.c	T	A	1.48	179.50	2	1	1
32	s_05_05	Cir.c	T	A	1.30	173.50	2	1	1
34	s_05_07	Cir.c	T	A	1.45	169.50	2	1	1
36	s_05_09	Cir.c	T	A	1.40	165.70	2	1	1
38	s_05_11	Cir.c	T	A	2.00	162.70	2	1	1
40	s_05_04	Cir.c	T	A	1.32	175.50	2	1	1

29	s_05_01	Cir.c	T	A	1.54	181.50	2	1	1
31	s_05_03	Cir.c	T	A	1.40	177.50	2	1	1
33	s_05_06	Cir.c	T	A	1.54	171.50	2	1	1
35	s_05_08	Cir.c	T	A	1.41	167.50	2	1	1
37	s_05_10	Cir.c	T	A	1.60	164.20	2	1	1
39	s_03_06	Cir.c	T	A	2.34	196.80	2	1	1

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	2	273		1		0.00	55	0.00	0.00	0.00	0.00	
0	273	274		1		0.00	55	0.00	0.00	0.00	0.00	
0	274	275		1		0.00	55	0.00	0.00	0.00	0.00	
0	275	276		1		0.00	55	0.00	0.00	0.00	0.00	
0	276	277		1		0.00	55	0.00	0.00	0.00	0.00	
0	116	-118	3	1		0.00	55	0.00	0.00	0.00	0.00	
0	-118	268	3	1		0.00	55	0.00	0.00	0.00	0.00	
0	268	-119	3	1		0.00	55	0.00	0.00	0.00	0.00	
0	-119	269	3	1		0.00	55	0.00	0.00	0.00	0.00	
0	269	-120	3	1		0.00	55	0.00	0.00	0.00	0.00	
0	-120	270	3	1		0.00	55	0.00	0.00	0.00	0.00	
0	270	-121	3	1		0.00	55	0.00	0.00	0.00	0.00	
0	-121	271	3	1		0.00	55	0.00	0.00	0.00	0.00	
0	271	-122	3	1		0.00	55	0.00	0.00	0.00	0.00	
0	-122	272	3	1		0.00	55	0.00	0.00	0.00	0.00	
0	272	-123	3	1		0.00	55	0.00	0.00	0.00	0.00	
0	-123	-117	3	1		0.00	55	0.00	0.00	0.00	0.00	
0	-117	-111	4	1		0.00	55	0.00	0.00	0.00	0.00	
10	110	-116	1	1		0.00	55	0.00	0.00	0.00	0.00	
10	-116	112	1	1		0.00	55	0.00	0.00	0.00	0.00	
10	112	-115	1	1		0.00	55	0.00	0.00	0.00	0.00	
10	-115	113	1	1		0.00	55	0.00	0.00	0.00	0.00	
10	113	-114	1	1		0.00	55	0.00	0.00	0.00	0.00	
10	-114	114	1	1		0.00	55	0.00	0.00	0.00	0.00	

10	114	-113	1	1		0.00	55	0.00	0.00	0.00	0.00	
10	-113	115	1	1		0.00	55	0.00	0.00	0.00	0.00	
10	115	-112	3	1		0.00	55	0.00	0.00	0.00	0.00	
10	-112	116	3	1		0.00	55	0.00	0.00	0.00	0.00	
10	-111	117	4	1		0.00	55	0.00	0.00	0.00	0.00	
10	117	-110	5	1		0.00	55	0.00	0.00	0.00	0.00	
10	-110	118	5	1		0.00	55	0.00	0.00	0.00	0.00	
10	118	-109	6	1		0.00	55	0.00	0.00	0.00	0.00	
10	-109	119	6	1		0.00	55	0.00	0.00	0.00	0.00	
10	119	-108	7	1		0.00	55	0.00	0.00	0.00	0.00	
10	-108	120	7	1		0.00	55	0.00	0.00	0.00	0.00	
10	120	-107	8	1		0.00	55	0.00	0.00	0.00	0.00	
10	-107	121	8	1		0.00	55	0.00	0.00	0.00	0.00	
10	121	-106	9	1		0.00	55	0.00	0.00	0.00	0.00	
10	-106	122	9	1		0.00	55	0.00	0.00	0.00	0.00	
10	122	-105	10	1		0.00	55	0.00	0.00	0.00	0.00	
10	-105	123	10	1		0.00	55	0.00	0.00	0.00	0.00	
10	123	-104	11	1		0.00	55	0.00	0.00	0.00	0.00	
10	-104	124	11	1		0.00	55	0.00	0.00	0.00	0.00	
10	124	-103	12	1		0.00	55	0.00	0.00	0.00	0.00	
10	-103	125	12	1		0.00	55	0.00	0.00	0.00	0.00	
10	125	-102	13	1		0.00	55	0.00	0.00	0.00	0.00	
10	-102	126	13	1		0.00	55	0.00	0.00	0.00	0.00	
10	126	-101	14	1		0.00	55	0.00	0.00	0.00	0.00	
10	-101	127	14	1		0.00	55	0.00	0.00	0.00	0.00	
10	127	-100	15	1		0.00	55	0.00	0.00	0.00	0.00	
10	-100	128	15	1		0.00	55	0.00	0.00	0.00	0.00	
10	128	-99	39	1		0.00	55	0.00	0.00	0.00	0.00	
10	-99	129	39	1		0.00	55	0.00	0.00	0.00	0.00	
10	129	-98	16	1		0.00	55	0.00	0.00	0.00	0.00	
10	-98	130	16	1		0.00	55	0.00	0.00	0.00	0.00	
10	130	-97	17	1		0.00	55	0.00	0.00	0.00	0.00	
10	-97	131	17	1		0.00	55	0.00	0.00	0.00	0.00	
10	131	-96	18	1		0.00	55	0.00	0.00	0.00	0.00	
10	-96	132	18	1		0.00	55	0.00	0.00	0.00	0.00	
10	132	-95	19	1		0.00	55	0.00	0.00	0.00	0.00	
10	-95	133	19	1		0.00	55	0.00	0.00	0.00	0.00	
10	133	-94	20	1		0.00	55	0.00	0.00	0.00	0.00	
10	-94	134	20	1		0.00	55	0.00	0.00	0.00	0.00	
10	134	-93	21	1		0.00	55	0.00	0.00	0.00	0.00	
10	-93	135	21	1		0.00	55	0.00	0.00	0.00	0.00	
10	135	-92	22	1		0.00	55	0.00	0.00	0.00	0.00	
10	-92	136	22	1		0.00	55	0.00	0.00	0.00	0.00	
10	136	-91	23	1		0.00	55	0.00	0.00	0.00	0.00	
10	-91	137	23	1		0.00	55	0.00	0.00	0.00	0.00	
10	137	-90	24	1		0.00	55	0.00	0.00	0.00	0.00	
10	-90	138	24	1		0.00	55	0.00	0.00	0.00	0.00	
10	138	-89	25	1		0.00	55	0.00	0.00	0.00	0.00	
10	-89	139	25	1		0.00	55	0.00	0.00	0.00	0.00	
10	139	-88	26	1		0.00	55	0.00	0.00	0.00	0.00	
10	-88	140	26	1		0.00	55	0.00	0.00	0.00	0.00	
10	140	-87	27	1		0.00	55	0.00	0.00	0.00	0.00	
10	-87	141	27	1		0.00	55	0.00	0.00	0.00	0.00	
10	141	-86	28	1		0.00	55	0.00	0.00	0.00	0.00	
10	-86	142	28	1		0.00	55	0.00	0.00	0.00	0.00	
10	142	-85	29	1		0.00	55	0.00	0.00	0.00	0.00	
10	-85	143	29	1		0.00	55	0.00	0.00	0.00	0.00	
10	143	-84	30	1		0.00	55	0.00	0.00	0.00	0.00	
10	-84	144	30	1		0.00	55	0.00	0.00	0.00	0.00	
10	144	-83	31	1		0.00	55	0.00	0.00	0.00	0.00	
10	-83	145	31	1		0.00	55	0.00	0.00	0.00	0.00	
10	145	-82	40	1		0.00	55	0.00	0.00	0.00	0.00	
10	-82	146	40	1		0.00	55	0.00	0.00	0.00	0.00	
10	146	-81	32	1		0.00	55	0.00	0.00	0.00	0.00	
10	-81	147	32	1		0.00	55	0.00	0.00	0.00	0.00	
10	147	-80	33	1		0.00	55	0.00	0.00	0.00	0.00	
10	-80	148	33	1		0.00	55	0.00	0.00	0.00	0.00	
10	148	-79	34	1		0.00	55	0.00	0.00	0.00	0.00	
10	-79	149	34	1		0.00	55	0.00	0.00	0.00	0.00	
10	149	-78	35	1		0.00	55	0.00	0.00	0.00	0.00	
10	-78	150	35	1		0.00	55	0.00	0.00	0.00	0.00	
10	150	-77	36	1		0.00	55	0.00	0.00	0.00	0.00	
10	-77	151	36	1		0.00	55	0.00	0.00	0.00	0.00	
10	151	-76	37	1		0.00	55	0.00	0.00	0.00	0.00	
10	-76	152	37	1		0.00	55	0.00	0.00	0.00	0.00	
10	152	-75	38	1		0.00	55	0.00	0.00	0.00	0.00	
10	-75	153	38	1		0.00	55	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>
1	s1965	W-RTC	S	1	1	196.50	f(strat.)
3	s2425	W-RTC	S	1	1	242.50	f(strat.)
5	s2885	W-RTC	S	1	1	288.50	f(strat.)
7	s200	F	G	2	1	20.00	

Tb	Comm.	Tipo	Uso	Mat.	Crit.	Spess. <cm>	Kt <daN/cmc>
2	s2195	W-RTC	S	1	1	219.50	f(strat.)
4	s2655	W-RTC	S	1	1	265.50	f(strat.)
6	s3500	W-RTC	S	1	1	350.00	f(strat.)

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
0	1	33	0.00	0.00	0.74	363 364 345 344
0	5	33	0.00	0.00	0.74	293 294 265 264
0	2	33	0.00	0.00	0.74	349 350 331 330
0	1	33	0.00	0.00	0.74	360 361 342 341
0	5	33	0.00	0.00	0.74	279 280 251 250
0	5	33	0.00	0.00	0.74	282 283 254 253
0	3	33	0.00	0.00	0.74	316 317 298 297
0	4	33	0.00	0.00	0.74	308 309 290 289
0	2	33	0.00	0.00	0.74	338 339 320 319
0	5	33	0.00	0.00	0.74	280 281 252 251
0	3	33	0.00	0.00	0.74	326 327 308 307
0	4	33	0.00	0.00	0.74	306 307 288 287
0	4	33	0.00	0.00	0.74	274 297 278 273
0	4	33	0.00	0.00	0.74	297 298 279 278
0	3	33	0.00	0.00	0.74	325 326 307 306
0	4	33	0.00	0.00	0.74	312 313 294 293
0	4	33	0.00	0.00	0.74	303 304 285 284
0	2	33	0.00	0.00	0.74	348 349 330 329
0	1	33	0.00	0.00	0.74	372 277 276 353
0	4	33	0.00	0.00	0.74	310 311 292 291
0	5	33	0.00	0.00	0.74	291 292 263 262
0	3	33	0.00	0.00	0.74	329 330 311 310
0	2	33	0.00	0.00	0.74	352 353 334 333
0	2	33	0.00	0.00	0.74	339 340 321 320
0	4	33	0.00	0.00	0.74	307 308 289 288
0	4	33	0.00	0.00	0.74	298 299 280 279
0	1	33	0.00	0.00	0.74	366 367 348 347
0	3	33	0.00	0.00	0.74	319 320 301 300
0	4	33	0.00	0.00	0.74	305 306 287 286
0	5	33	0.00	0.00	0.74	286 287 258 257
0	3	33	0.00	0.00	0.74	330 331 312 311
0	2	33	0.00	0.00	0.74	347 348 329 328
0	1	33	0.00	0.00	0.74	358 359 340 339
0	4	33	0.00	0.00	0.74	309 310 291 290
0	5	33	0.00	0.00	0.74	294 295 266 265
0	3	33	0.00	0.00	0.74	317 318 299 298
0	3	33	0.00	0.00	0.74	331 332 313 312
0	2	33	0.00	0.00	0.74	350 351 332 331

Bid.	Tb	FF	Dy1 <cm>	Dy2 <cm>	Kt <daN/cmc>	NN
0	1	33	0.00	0.00	0.74	365 366 347 346
0	5	33	0.00	0.00	0.74	288 289 260 259
0	1	33	0.00	0.00	0.74	355 356 337 336
0	5	33	0.00	0.00	0.74	284 285 256 255
0	5	33	0.00	0.00	0.74	287 288 259 258
0	5	33	0.00	0.00	0.74	281 282 253 252
0	3	33	0.00	0.00	0.74	332 333 314 313
0	3	33	0.00	0.00	0.74	334 275 274 315
0	2	33	0.00	0.00	0.74	340 341 322 321
0	3	33	0.00	0.00	0.74	321 322 303 302
0	4	33	0.00	0.00	0.74	311 312 293 292
0	4	33	0.00	0.00	0.74	301 302 283 282
0	5	33	0.00	0.00	0.74	292 293 264 263
0	3	33	0.00	0.00	0.74	320 321 302 301
0	3	33	0.00	0.00	0.74	333 334 315 314
0	2	33	0.00	0.00	0.74	336 337 318 317
0	2	33	0.00	0.00	0.74	346 347 328 327
0	1	33	0.00	0.00	0.74	354 355 336 335
0	4	33	0.00	0.00	0.74	315 274 273 296
0	4	33	0.00	0.00	0.74	300 301 282 281
0	5	33	0.00	0.00	0.74	278 279 250 249
0	2	33	0.00	0.00	0.74	276 335 316 275
0	2	33	0.00	0.00	0.74	337 338 319 318
0	2	33	0.00	0.00	0.74	345 346 327 326
0	2	33	0.00	0.00	0.74	341 342 323 322
0	1	33	0.00	0.00	0.74	359 360 341 340
0	1	33	0.00	0.00	0.74	368 369 350 349
0	1	33	0.00	0.00	0.74	371 372 353 352
0	5	33	0.00	0.00	0.74	296 273 2 267
0	3	33	0.00	0.00	0.74	324 325 306 305
0	2	33	0.00	0.00	0.74	351 352 333 332
0	1	33	0.00	0.00	0.74	277 354 335 276
0	4	33	0.00	0.00	0.74	302 303 284 283
0	2	33	0.00	0.00	0.74	344 345 326 325
0	5	33	0.00	0.00	0.74	289 290 261 260
0	4	33	0.00	0.00	0.74	313 314 295 294
0	2	33	0.00	0.00	0.74	342 343 324 323
0	1	33	0.00	0.00	0.74	361 362 343 342

0	4	33	0.00	0.00	0.74	304 305 286 285
0	1	33	0.00	0.00	0.74	364 365 346 345
0	3	33	0.00	0.00	0.74	327 328 309 308
0	2	33	0.00	0.00	0.74	353 276 275 334
0	3	33	0.00	0.00	0.74	318 319 300 299
0	2	33	0.00	0.00	0.74	343 344 325 324
0	5	33	0.00	0.00	0.74	273 278 249 2
0	5	33	0.00	0.00	0.74	285 286 257 256
0	1	33	0.00	0.00	0.74	367 368 349 348
0	5	33	0.00	0.00	0.74	295 296 267 266
0	4	33	0.00	0.00	0.74	299 300 281 280
0	2	33	0.00	0.00	0.74	335 336 317 316
102	7	22	0.00	0.00		110 111 -49 -68
103	7	22	0.00	0.00		110 111 -38 -57
104	7	22	0.00	0.00		110 111 -47 -66
105	7	22	0.00	0.00		111 -1 -19 110
106	7	22	0.00	0.00		110 111 -50 -69
107	7	22	0.00	0.00		110 111 -41 -60
108	7	22	0.00	0.00		110 111 -42 -61
109	7	22	0.00	0.00		110 111 -53 -72
110	7	22	0.00	0.00		110 111 -44 -63
111	7	22	0.00	0.00		110 111 -45 -64
4501	6	33	0.00	0.00	0.74	251 252 -40 -39
4501	6	33	0.00	0.00	0.74	-51 -52 1
4501	6	33	0.00	0.00	0.74	-54 -55 1
4501	6	33	0.00	0.00	0.74	267 2 -1 -55
4501	6	33	0.00	0.00	0.74	-49 -50 1
4501	6	33	0.00	0.00	0.74	-55 -1 1
4501	6	33	0.00	0.00	0.74	260 261 -49 -48
4501	6	33	0.00	0.00	0.74	249 250 -38 -37
4501	6	33	0.00	0.00	0.74	-44 -45 1
4501	6	33	0.00	0.00	0.74	259 260 -48 -47
4501	6	33	0.00	0.00	0.74	262 263 -51 -50
4501	6	33	0.00	0.00	0.74	266 267 -55 -54
4501	6	33	0.00	0.00	0.74	264 265 -53 -52
4501	6	33	0.00	0.00	0.74	-39 -40 1
4501	6	33	0.00	0.00	0.74	252 253 -41 -40
4501	6	33	0.00	0.00	0.74	257 258 -46 -45
4501	6	33	0.00	0.00	0.74	-42 -43 1
4501	6	33	0.00	0.00	0.74	-40 -41 1
4501	6	33	0.00	0.00	0.74	255 256 -44 -43
4501	6	33	0.00	0.00	0.74	-53 -54 1

0	5	33	0.00	0.00	0.74	283 284 255 254
0	3	33	0.00	0.00	0.74	275 316 297 274
0	3	33	0.00	0.00	0.74	323 324 305 304
0	1	33	0.00	0.00	0.74	362 363 344 343
0	1	33	0.00	0.00	0.74	357 358 339 338
0	5	33	0.00	0.00	0.74	290 291 262 261
0	3	33	0.00	0.00	0.74	322 323 304 303
0	1	33	0.00	0.00	0.74	370 371 352 351
0	4	33	0.00	0.00	0.74	314 315 296 295
0	1	33	0.00	0.00	0.74	356 357 338 337
0	3	33	0.00	0.00	0.74	328 329 310 309
0	1	33	0.00	0.00	0.74	369 370 351 350
102	7	22	0.00	0.00		110 111 -39 -58
103	7	22	0.00	0.00		110 111 -48 -67
104	7	22	0.00	0.00		110 111 -37 -56
105	7	22	0.00	0.00		110 111 -46 -65
106	7	22	0.00	0.00		110 111 -40 -59
107	7	22	0.00	0.00		110 111 -51 -70
108	7	22	0.00	0.00		110 111 -52 -71
109	7	22	0.00	0.00		110 111 -43 -62
110	7	22	0.00	0.00		110 111 -54 -73
111	7	22	0.00	0.00		110 111 -55 -74
4501	6	33	0.00	0.00	0.74	-47 -48 1
4501	6	33	0.00	0.00	0.74	-50 -51 1
4501	6	33	0.00	0.00	0.74	-1 -37 1
4501	6	33	0.00	0.00	0.74	253 254 -42 -41
4501	6	33	0.00	0.00	0.74	-37 -38 1
4501	6	33	0.00	0.00	0.74	-48 -49 1
4501	6	33	0.00	0.00	0.74	250 251 -39 -38
4501	6	33	0.00	0.00	0.74	-52 -53 1
4501	6	33	0.00	0.00	0.74	-43 -44 1
4501	6	33	0.00	0.00	0.74	-45 -46 1
4501	6	33	0.00	0.00	0.74	261 262 -50 -49
4501	6	33	0.00	0.00	0.74	265 266 -54 -53
4501	6	33	0.00	0.00	0.74	263 264 -52 -51
4501	6	33	0.00	0.00	0.74	-38 -39 1
4501	6	33	0.00	0.00	0.74	258 259 -47 -46
4501	6	33	0.00	0.00	0.74	2 249 -37 -1
4501	6	33	0.00	0.00	0.74	-41 -42 1
4501	6	33	0.00	0.00	0.74	256 257 -45 -44
4501	6	33	0.00	0.00	0.74	254 255 -43 -42
4501	6	33	0.00	0.00	0.74	-46 -47 1

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	peso proprio struttura	1.00	1.00	0.00	0.00	0.00	1.00	1 D.M. 08 Permanenti strutturali	S	--
2	peso navicella	1.00	1.00	0.00	0.00	0.00	1.00	2 D.M. 08 Permanenti non strutturali	S	--
3	vento navicella	1.00	1.00	0.00	0.00	0.00	1.00	10 D.M. 08 Variabili Vento	S	B
4	vento torre	1.00	1.00	0.00	0.00	0.00	1.00	10 D.M. 08 Variabili Vento	S	B
5	neve navicella	1.00	1.00	0.00	0.00	0.00	1.00	11 D.M. 08 Variabili Neve (a quota <= 1000 m s.l.m.)	S	B
6	zavorra	1.00	1.00	0.00	0.00	0.00	1.00	1 D.M. 08 Permanenti strutturali	S	--

Elenco carichi nodi
Condizione di carico n. 2: peso navicella
Carichi concentrati

Simbologia

Nodo = Numero del nodo
Px = Componente X della forza applicata

Py = Componente Y della forza applicata
Pz = Componente Z della forza applicata
Mx = Momento intorno all'asse X
My = Momento intorno all'asse Y
Mz = Momento intorno all'asse Z

Nodo	Px <daN>	Py <daN>	Pz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
153	0.00	0.00	113500.00	0.00	0.00	0.00

Elenco carichi nodi
Condizione di carico n. 3: vento navicella
Carichi concentrati

Nodo	Px <daN>	Py <daN>	Pz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
153	-22100.00	50600.00	0.00	-357300.00	-208600.00	-140800.00

Elenco carichi nodi
Condizione di carico n. 4: vento torre
Carichi concentrati

Nodo	Px <daN>	Py <daN>	Pz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
-123	0.00	923.00	0.00	0.00	0.00	0.00
-121	0.00	881.00	0.00	0.00	0.00	0.00
-119	0.00	862.00	0.00	0.00	0.00	0.00
-117	0.00	125.00	0.00	0.00	0.00	0.00
-115	0.00	712.00	0.00	0.00	0.00	0.00
-113	0.00	835.00	0.00	0.00	0.00	0.00
-111	0.00	984.00	0.00	0.00	0.00	0.00
-109	0.00	1078.00	0.00	0.00	0.00	0.00
-107	0.00	1139.00	0.00	0.00	0.00	0.00
-105	0.00	1273.00	0.00	0.00	0.00	0.00
-103	0.00	1293.00	0.00	0.00	0.00	0.00
-101	0.00	1316.00	0.00	0.00	0.00	0.00
-99	0.00	1335.00	0.00	0.00	0.00	0.00
-97	0.00	1124.00	0.00	0.00	0.00	0.00
-95	0.00	1350.00	0.00	0.00	0.00	0.00
-93	0.00	1351.00	0.00	0.00	0.00	0.00
-91	0.00	1351.00	0.00	0.00	0.00	0.00
-89	0.00	1351.00	0.00	0.00	0.00	0.00
-87	0.00	964.00	0.00	0.00	0.00	0.00
-85	0.00	1333.00	0.00	0.00	0.00	0.00
-83	0.00	1319.00	0.00	0.00	0.00	0.00
-81	0.00	1303.00	0.00	0.00	0.00	0.00
-79	0.00	1286.00	0.00	0.00	0.00	0.00
-77	0.00	969.00	0.00	0.00	0.00	0.00
-75	0.00	958.00	0.00	0.00	0.00	0.00
123	0.00	127.00	0.00	0.00	0.00	0.00
142	0.00	93.00	0.00	0.00	0.00	0.00

Nodo	Px <daN>	Py <daN>	Pz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
-122	0.00	903.00	0.00	0.00	0.00	0.00
-120	0.00	885.00	0.00	0.00	0.00	0.00
-118	0.00	829.00	0.00	0.00	0.00	0.00
-116	0.00	590.00	0.00	0.00	0.00	0.00
-114	0.00	398.00	0.00	0.00	0.00	0.00
-112	0.00	913.00	0.00	0.00	0.00	0.00
-110	0.00	1043.00	0.00	0.00	0.00	0.00
-108	0.00	1121.00	0.00	0.00	0.00	0.00
-106	0.00	1254.00	0.00	0.00	0.00	0.00
-104	0.00	1281.00	0.00	0.00	0.00	0.00
-102	0.00	1305.00	0.00	0.00	0.00	0.00
-100	0.00	1325.00	0.00	0.00	0.00	0.00
-98	0.00	1343.00	0.00	0.00	0.00	0.00
-96	0.00	1129.00	0.00	0.00	0.00	0.00
-94	0.00	1351.00	0.00	0.00	0.00	0.00
-92	0.00	1352.00	0.00	0.00	0.00	0.00
-90	0.00	1351.00	0.00	0.00	0.00	0.00
-88	0.00	964.00	0.00	0.00	0.00	0.00
-86	0.00	961.00	0.00	0.00	0.00	0.00
-84	0.00	1326.00	0.00	0.00	0.00	0.00
-82	0.00	1311.00	0.00	0.00	0.00	0.00
-80	0.00	1295.00	0.00	0.00	0.00	0.00
-78	0.00	1278.00	0.00	0.00	0.00	0.00
-76	0.00	964.00	0.00	0.00	0.00	0.00
116	0.00	113.00	0.00	0.00	0.00	0.00
132	0.00	108.00	0.00	0.00	0.00	0.00
153	0.00	146.00	0.00	0.00	0.00	0.00

Elenco carichi nodi
Condizione di carico n. 5: neve navicella
Carichi concentrati

Nodo	Px <daN>	Py <daN>	Pz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
153	0.00	0.00	2600.00	0.00	0.00	0.00

Elenco carichi aste
Condizione di carico n. 1: peso proprio struttura
Carichi distribuiti

Simbologia
Asta = Numero dell'asta
N1 = Nodo iniziale
N2 = Nodo finale
E = Elemento provenienza del carico
  S = Solaio
  T = Tamponatura
NE = Numero elemento di provenienza del carico
T = Tipo di carico
  QA = Primo carico accidentale
  QA2 = Secondo carico accidentale
  QA3 = Terzo carico accidentale
  QPS = Carico permanente strutturale
  QPN = Carico permanente non strutturale
  PP = Peso proprio

M = Manuale
DC = Direzione del carico
XG,YG,ZG = secondo gli assi globali
XL,YL,ZL = secondo gli assi locali
Xi = Distanza iniziale
Qi = Carico iniziale
Xf = Distanza finale
Qf = Carico finale

Asta	N1	N2	E	NE	T	DC	Xi <m>	Qi <daN/m>	Xf <m>	Qf <daN/m>
0	116	-118	S	--	PP	ZG	0.00	3790.34	1.25	3790.34
0	268	-119	S	--	PP	ZG	0.00	3790.34	1.25	3790.34
0	269	-120	S	--	PP	ZG	0.00	3790.34	1.24	3790.34
0	270	-121	S	--	PP	ZG	0.00	3790.34	1.20	3790.34
0	271	-122	S	--	PP	ZG	0.00	3790.34	1.20	3790.34
0	272	-123	S	--	PP	ZG	0.00	3790.34	1.20	3790.34
0	-117	-111	S	--	PP	ZG	0.00	3577.40	1.25	3577.40
10	-116	112	S	--	PP	ZG	0.00	5350.92	1.28	5350.92
10	-115	113	S	--	PP	ZG	0.00	5350.92	1.47	5350.92
10	-114	114	S	--	PP	ZG	0.00	5350.92	0.75	5350.92
10	-113	115	S	--	PP	ZG	0.00	5350.92	1.45	5350.92
10	-112	116	S	--	PP	ZG	0.00	3790.34	1.47	3790.34
10	117	-110	S	--	PP	ZG	0.00	3441.78	1.30	3441.78
10	118	-109	S	--	PP	ZG	0.00	3296.36	1.32	3296.36
10	119	-108	S	--	PP	ZG	0.00	3131.41	1.35	3131.41
10	120	-107	S	--	PP	ZG	0.00	2956.62	1.35	2956.62
10	121	-106	S	--	PP	ZG	0.00	2810.83	1.47	2810.83
10	122	-105	S	--	PP	ZG	0.00	2713.57	1.47	2713.57
10	123	-104	S	--	PP	ZG	0.00	2758.04	1.46	2758.04
10	124	-103	S	--	PP	ZG	0.00	2536.59	1.46	2536.59
10	125	-102	S	--	PP	ZG	0.00	2462.49	1.46	2462.49
10	126	-101	S	--	PP	ZG	0.00	2406.79	1.46	2406.79
10	127	-100	S	--	PP	ZG	0.00	2418.67	1.46	2418.67
10	128	-99	S	--	PP	ZG	0.00	2257.88	1.46	2257.88
10	129	-98	S	--	PP	ZG	0.00	2185.12	1.46	2185.12
10	130	-97	S	--	PP	ZG	0.00	2102.08	1.21	2102.08
10	131	-96	S	--	PP	ZG	0.00	2050.12	1.21	2050.12
10	132	-95	S	--	PP	ZG	0.00	1982.69	1.44	1982.69
10	133	-94	S	--	PP	ZG	0.00	1931.68	1.44	1931.68
10	134	-93	S	--	PP	ZG	0.00	1842.79	1.44	1842.79
10	135	-92	S	--	PP	ZG	0.00	1773.54	1.44	1773.54
10	136	-91	S	--	PP	ZG	0.00	1715.23	1.44	1715.23
10	137	-90	S	--	PP	ZG	0.00	1629.18	1.44	1629.18
10	138	-89	S	--	PP	ZG	0.00	1589.68	1.44	1589.68
10	139	-88	S	--	PP	ZG	0.00	1507.92	1.03	1507.92
10	140	-87	S	--	PP	ZG	0.00	1445.76	1.03	1445.76
10	141	-86	S	--	PP	ZG	0.00	1437.87	1.03	1437.87
10	142	-85	S	--	PP	ZG	0.00	1372.78	1.43	1372.78
10	143	-84	S	--	PP	ZG	0.00	1304.91	1.43	1304.91
10	144	-83	S	--	PP	ZG	0.00	1220.85	1.43	1220.85
10	145	-82	S	--	PP	ZG	0.00	1138.32	1.44	1138.32
10	146	-81	S	--	PP	ZG	0.00	1108.31	1.44	1108.31
10	147	-80	S	--	PP	ZG	0.00	1296.82	1.44	1296.82
10	148	-79	S	--	PP	ZG	0.00	1207.05	1.44	1207.05
10	149	-78	S	--	PP	ZG	0.00	1159.98	1.44	1159.98
10	150	-77	S	--	PP	ZG	0.00	1139.37	1.10	1139.37
10	151	-76	S	--	PP	ZG	0.00	1289.50	1.10	1289.50
10	152	-75	S	--	PP	ZG	0.00	1595.10	1.10	1595.10

Asta	N1	N2	E	NE	T	DC	Xi <m>	Qi <daN/m>	Xf <m>	Qf <daN/m>
0	-118	268	S	--	PP	ZG	0.00	3790.34	1.25	3790.34
0	-119	269	S	--	PP	ZG	0.00	3790.34	1.25	3790.34
0	-120	270	S	--	PP	ZG	0.00	3790.34	1.24	3790.34
0	-121	271	S	--	PP	ZG	0.00	3790.34	1.20	3790.34
0	-122	272	S	--	PP	ZG	0.00	3790.34	1.20	3790.34
0	-123	-117	S	--	PP	ZG	0.00	3790.34	1.20	3790.34
10	110	-116	S	--	PP	ZG	0.00	5350.92	1.28	5350.92
10	112	-115	S	--	PP	ZG	0.00	5350.92	1.47	5350.92
10	113	-114	S	--	PP	ZG	0.00	5350.92	0.75	5350.92
10	114	-113	S	--	PP	ZG	0.00	5350.92	1.45	5350.92
10	115	-112	S	--	PP	ZG	0.00	3790.34	1.47	3790.34
10	-111	117	S	--	PP	ZG	0.00	3577.40	1.25	3577.40
10	-110	118	S	--	PP	ZG	0.00	3441.78	1.30	3441.78
10	-109	119	S	--	PP	ZG	0.00	3296.36	1.32	3296.36
10	-108	120	S	--	PP	ZG	0.00	3131.41	1.35	3131.41
10	-107	121	S	--	PP	ZG	0.00	2956.62	1.35	2956.62
10	-106	122	S	--	PP	ZG	0.00	2810.83	1.47	2810.83
10	-105	123	S	--	PP	ZG	0.00	2713.57	1.47	2713.57
10	-104	124	S	--	PP	ZG	0.00	2758.04	1.46	2758.04
10	-103	125	S	--	PP	ZG	0.00	2536.59	1.46	2536.59
10	-102	126	S	--	PP	ZG	0.00	2462.49	1.46	2462.49
10	-101	127	S	--	PP	ZG	0.00	2406.79	1.46	2406.79
10	-100	128	S	--	PP	ZG	0.00	2418.67	1.46	2418.67
10	-99	129	S	--	PP	ZG	0.00	2257.88	1.46	2257.88
10	-98	130	S	--	PP	ZG	0.00	2185.12	1.46	2185.12
10	-97	131	S	--	PP	ZG	0.00	2102.08	1.21	2102.08
10	-96	132	S	--	PP	ZG	0.00	2050.12	1.21	2050.12
10	-95	133	S	--	PP	ZG	0.00	1982.69	1.44	1982.69
10	-94	134	S	--	PP	ZG	0.00	1931.68	1.44	1931.68
10	-93	135	S	--	PP	ZG	0.00	1842.79	1.44	1842.79
10	-92	136	S	--	PP	ZG	0.00	1773.54	1.44	1773.54
10	-91	137	S	--	PP	ZG	0.00	1715.23	1.44	1715.23
10	-90	138	S	--	PP	ZG	0.00	1629.18	1.44	1629.18
10	-89	139	S	--	PP	ZG	0.00	1589.68	1.44	1589.68
10	-88	140	S	--	PP	ZG	0.00	1507.92	1.03	1507.92
10	-87	141	S	--	PP	ZG	0.00	1445.76	1.03	1445.76
10	-86	142	S	--	PP	ZG	0.00	1437.87	1.03	1437.87
10	-85	143	S	--	PP	ZG	0.00	1372.78	1.43	1372.78
10	-84	144	S	--	PP	ZG	0.00	1304.91	1.43	1304.91
10	-83	145	S	--	PP	ZG	0.00	1220.85	1.43	1220.85
10	-82	146	S	--	PP	ZG	0.00	1138.32	1.44	1138.32
10	-81	147	S	--	PP	ZG	0.00	1108.31	0.94	1108.31
10	-80	148	S	--	PP	ZG	0.00	1296.82	1.44	1296.82
10	-79	149	S	--	PP	ZG	0.00	1207.05	1.44	1207.05
10	-78	150	S	--	PP	ZG	0.00	1159.98	1.44	1159.98
10	-77	151	S	--	PP	ZG	0.00	1139.37	1.10	1139.37
10	-76	152	S	--	PP	ZG	0.00	1289.50	1.10	1289.50
10	-75	153	S	--	PP	ZG	0.00	1595.10	1.10	1595.10

Elenco carichi elementi bidimensionali
Condizione di carico n. 1: peso proprio struttura
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>
0	363	364	345	344	PP	G	0.00	0.00	4912.50
0	365	366	347	346	PP	G	0.00	0.00	4912.50
0	293	294	265	264	PP	G	0.00	0.00	7212.50
0	288	289	260	259	PP	G	0.00	0.00	7212.50
0	349	350	331	330	PP	G	0.00	0.00	5487.50
0	355	356	337	336	PP	G	0.00	0.00	4912.50
0	360	361	342	341	PP	G	0.00	0.00	4912.50
0	284	285	256	255	PP	G	0.00	0.00	7212.50
0	279	280	251	250	PP	G	0.00	0.00	7212.50
0	287	288	259	258	PP	G	0.00	0.00	7212.50
0	282	283	254	253	PP	G	0.00	0.00	7212.50
0	281	282	253	252	PP	G	0.00	0.00	7212.50
0	316	317	298	297	PP	G	0.00	0.00	6062.50
0	332	333	314	313	PP	G	0.00	0.00	6062.50
0	308	309	290	289	PP	G	0.00	0.00	6637.50
0	334	275	274	315	PP	G	0.00	0.00	6062.50
0	338	339	320	319	PP	G	0.00	0.00	5487.50
0	340	341	322	321	PP	G	0.00	0.00	5487.50
0	280	281	252	251	PP	G	0.00	0.00	7212.50
0	321	322	303	302	PP	G	0.00	0.00	6062.50
0	326	327	308	307	PP	G	0.00	0.00	6062.50
0	311	312	293	292	PP	G	0.00	0.00	6637.50
0	306	307	288	287	PP	G	0.00	0.00	6637.50
0	301	302	283	282	PP	G	0.00	0.00	6637.50
0	274	297	278	273	PP	G	0.00	0.00	6637.50
0	292	293	264	263	PP	G	0.00	0.00	7212.50
0	297	298	279	278	PP	G	0.00	0.00	6637.50
0	320	321	302	301	PP	G	0.00	0.00	6062.50
0	325	326	307	306	PP	G	0.00	0.00	6062.50
0	333	334	315	314	PP	G	0.00	0.00	6062.50
0	312	313	294	293	PP	G	0.00	0.00	6637.50
0	336	337	318	317	PP	G	0.00	0.00	5487.50
0	303	304	285	284	PP	G	0.00	0.00	6637.50
0	346	347	328	327	PP	G	0.00	0.00	5487.50
0	348	349	330	329	PP	G	0.00	0.00	5487.50
0	354	355	336	335	PP	G	0.00	0.00	4912.50
0	372	277	276	353	PP	G	0.00	0.00	4912.50
0	315	274	273	296	PP	G	0.00	0.00	6637.50
0	310	311	292	291	PP	G	0.00	0.00	6637.50
0	300	301	282	281	PP	G	0.00	0.00	6637.50
0	291	292	263	262	PP	G	0.00	0.00	7212.50
0	278	279	250	249	PP	G	0.00	0.00	7212.50
0	329	330	311	310	PP	G	0.00	0.00	6062.50
0	276	335	316	275	PP	G	0.00	0.00	5487.50
0	352	353	334	333	PP	G	0.00	0.00	5487.50
0	337	338	319	318	PP	G	0.00	0.00	5487.50
0	339	340	321	320	PP	G	0.00	0.00	5487.50
0	345	346	327	326	PP	G	0.00	0.00	5487.50
0	307	308	289	288	PP	G	0.00	0.00	6637.50
0	341	342	323	322	PP	G	0.00	0.00	5487.50
0	298	299	280	279	PP	G	0.00	0.00	6637.50
0	359	360	341	340	PP	G	0.00	0.00	4912.50
0	366	367	348	347	PP	G	0.00	0.00	4912.50
0	368	369	350	349	PP	G	0.00	0.00	4912.50
0	319	320	301	300	PP	G	0.00	0.00	6062.50
0	371	372	353	352	PP	G	0.00	0.00	4912.50
0	305	306	287	286	PP	G	0.00	0.00	6637.50
0	296	273	2	267	PP	G	0.00	0.00	7212.50
0	286	287	258	257	PP	G	0.00	0.00	7212.50
0	324	325	306	305	PP	G	0.00	0.00	6062.50
0	330	331	312	311	PP	G	0.00	0.00	6062.50
0	351	352	333	332	PP	G	0.00	0.00	5487.50
0	347	348	329	328	PP	G	0.00	0.00	5487.50
0	277	354	335	276	PP	G	0.00	0.00	4912.50
0	358	359	340	339	PP	G	0.00	0.00	4912.50
0	302	303	284	283	PP	G	0.00	0.00	6637.50
0	309	310	291	290	PP	G	0.00	0.00	6637.50
0	344	345	326	325	PP	G	0.00	0.00	5487.50
0	294	295	266	265	PP	G	0.00	0.00	7212.50
0	289	290	261	260	PP	G	0.00	0.00	7212.50
0	317	318	299	298	PP	G	0.00	0.00	6062.50
0	313	314	295	294	PP	G	0.00	0.00	6637.50
0	331	332	313	312	PP	G	0.00	0.00	6062.50
0	342	343	324	323	PP	G	0.00	0.00	5487.50
0	350	351	332	331	PP	G	0.00	0.00	5487.50
0	361	362	343	342	PP	G	0.00	0.00	4912.50

0	304	305	286	285	PP	G	0.00	0.00	6637.50
0	283	284	255	254	PP	G	0.00	0.00	7212.50
0	364	365	346	345	PP	G	0.00	0.00	4912.50
0	275	316	297	274	PP	G	0.00	0.00	6062.50
0	327	328	309	308	PP	G	0.00	0.00	6062.50
0	323	324	305	304	PP	G	0.00	0.00	6062.50
0	353	276	275	334	PP	G	0.00	0.00	5487.50
0	362	363	344	343	PP	G	0.00	0.00	4912.50
0	318	319	300	299	PP	G	0.00	0.00	6062.50
0	357	358	339	338	PP	G	0.00	0.00	4912.50
0	343	344	325	324	PP	G	0.00	0.00	5487.50
0	290	291	262	261	PP	G	0.00	0.00	7212.50
0	273	278	249	2	PP	G	0.00	0.00	7212.50
0	322	323	304	303	PP	G	0.00	0.00	6062.50
0	285	286	257	256	PP	G	0.00	0.00	7212.50
0	370	371	352	351	PP	G	0.00	0.00	4912.50
0	367	368	349	348	PP	G	0.00	0.00	4912.50
0	314	315	296	295	PP	G	0.00	0.00	6637.50
0	295	296	267	266	PP	G	0.00	0.00	7212.50
0	356	357	338	337	PP	G	0.00	0.00	4912.50
0	299	300	281	280	PP	G	0.00	0.00	6637.50
0	328	329	310	309	PP	G	0.00	0.00	6062.50
0	335	336	317	316	PP	G	0.00	0.00	5487.50
0	369	370	351	350	PP	G	0.00	0.00	4912.50
102	110	111	-49	-68	PP	G	0.00	0.00	1570.00
102	110	111	-39	-58	PP	G	0.00	0.00	1570.00
103	110	111	-38	-57	PP	G	0.00	0.00	1570.00
103	110	111	-48	-67	PP	G	0.00	0.00	1570.00
104	110	111	-47	-66	PP	G	0.00	0.00	1570.00
104	110	111	-37	-56	PP	G	0.00	0.00	1570.00
105	111	-1	-19	110	PP	G	0.00	0.00	1570.00
105	110	111	-46	-65	PP	G	0.00	0.00	1570.00
106	110	111	-50	-69	PP	G	0.00	0.00	1570.00
106	110	111	-40	-59	PP	G	0.00	0.00	1570.00
107	110	111	-41	-60	PP	G	0.00	0.00	1570.00
107	110	111	-51	-70	PP	G	0.00	0.00	1570.00
108	110	111	-42	-61	PP	G	0.00	0.00	1570.00
108	110	111	-52	-71	PP	G	0.00	0.00	1570.00
109	110	111	-53	-72	PP	G	0.00	0.00	1570.00
109	110	111	-43	-62	PP	G	0.00	0.00	1570.00
110	110	111	-44	-63	PP	G	0.00	0.00	1570.00
110	110	111	-54	-73	PP	G	0.00	0.00	1570.00
111	110	111	-45	-64	PP	G	0.00	0.00	1570.00
111	110	111	-55	-74	PP	G	0.00	0.00	1570.00
4501	251	252	-40	-39	PP	G	0.00	0.00	8750.00
4501	-47	-48	1	1	PP	G	0.00	0.00	8750.00
4501	-51	-52	1	1	PP	G	0.00	0.00	8750.00
4501	-50	-51	1	1	PP	G	0.00	0.00	8750.00
4501	-54	-55	1	1	PP	G	0.00	0.00	8750.00
4501	-1	-37	1	1	PP	G	0.00	0.00	8750.00
4501	267	2	-1	-55	PP	G	0.00	0.00	8750.00
4501	253	254	-42	-41	PP	G	0.00	0.00	8750.00
4501	-49	-50	1	1	PP	G	0.00	0.00	8750.00
4501	-37	-38	1	1	PP	G	0.00	0.00	8750.00
4501	-55	-1	1	1	PP	G	0.00	0.00	8750.00
4501	-48	-49	1	1	PP	G	0.00	0.00	8750.00
4501	260	261	-49	-48	PP	G	0.00	0.00	8750.00
4501	250	251	-39	-38	PP	G	0.00	0.00	8750.00
4501	249	250	-38	-37	PP	G	0.00	0.00	8750.00
4501	-52	-53	1	1	PP	G	0.00	0.00	8750.00
4501	-44	-45	1	1	PP	G	0.00	0.00	8750.00
4501	-43	-44	1	1	PP	G	0.00	0.00	8750.00
4501	259	260	-48	-47	PP	G	0.00	0.00	8750.00
4501	-45	-46	1	1	PP	G	0.00	0.00	8750.00
4501	262	263	-51	-50	PP	G	0.00	0.00	8750.00
4501	261	262	-50	-49	PP	G	0.00	0.00	8750.00
4501	266	267	-55	-54	PP	G	0.00	0.00	8750.00
4501	265	266	-54	-53	PP	G	0.00	0.00	8750.00
4501	264	265	-53	-52	PP	G	0.00	0.00	8750.00
4501	263	264	-52	-51	PP	G	0.00	0.00	8750.00
4501	-39	-40	1	1	PP	G	0.00	0.00	8750.00
4501	-38	-39	1	1	PP	G	0.00	0.00	8750.00
4501	252	253	-41	-40	PP	G	0.00	0.00	8750.00
4501	258	259	-47	-46	PP	G	0.00	0.00	8750.00
4501	257	258	-46	-45	PP	G	0.00	0.00	8750.00
4501	2	249	-37	-1	PP	G	0.00	0.00	8750.00
4501	-42	-43	1	1	PP	G	0.00	0.00	8750.00
4501	-41	-42	1	1	PP	G	0.00	0.00	8750.00
4501	-40	-41	1	1	PP	G	0.00	0.00	8750.00

4501	256	257	-45	-44	PP	G	0.00	0.00	8750.00
4501	255	256	-44	-43	PP	G	0.00	0.00	8750.00
4501	254	255	-43	-42	PP	G	0.00	0.00	8750.00
4501	-53	-54	1	1	PP	G	0.00	0.00	8750.00
4501	-46	-47	1	1	PP	G	0.00	0.00	8750.00

Elenco carichi elementi bidimensionali
Condizione di carico n. 6: zavorra
Carichi uniformi

Bid.	N1	N2	N3	N4	T	DC	Qx <daN/mq>	Qy <daN/mq>	Qz <daN/mq>
0	363	364	345	344	M	G	0.00	0.00	1035.00
0	365	366	347	346	M	G	0.00	0.00	1035.00
0	293	294	265	264	M	G	0.00	0.00	115.00
0	288	289	260	259	M	G	0.00	0.00	115.00
0	349	350	331	330	M	G	0.00	0.00	805.00
0	355	356	337	336	M	G	0.00	0.00	1035.00
0	360	361	342	341	M	G	0.00	0.00	1035.00
0	284	285	256	255	M	G	0.00	0.00	115.00
0	279	280	251	250	M	G	0.00	0.00	115.00
0	287	288	259	258	M	G	0.00	0.00	115.00
0	282	283	254	253	M	G	0.00	0.00	115.00
0	281	282	253	252	M	G	0.00	0.00	115.00
0	316	317	298	297	M	G	0.00	0.00	575.00
0	332	333	314	313	M	G	0.00	0.00	575.00
0	308	309	290	289	M	G	0.00	0.00	345.00
0	334	275	274	315	M	G	0.00	0.00	575.00
0	338	339	320	319	M	G	0.00	0.00	805.00
0	340	341	322	321	M	G	0.00	0.00	805.00
0	280	281	252	251	M	G	0.00	0.00	115.00
0	321	322	303	302	M	G	0.00	0.00	575.00
0	326	327	308	307	M	G	0.00	0.00	575.00
0	311	312	293	292	M	G	0.00	0.00	345.00
0	306	307	288	287	M	G	0.00	0.00	345.00
0	301	302	283	282	M	G	0.00	0.00	345.00
0	274	297	278	273	M	G	0.00	0.00	345.00
0	292	293	264	263	M	G	0.00	0.00	115.00
0	297	298	279	278	M	G	0.00	0.00	345.00
0	320	321	302	301	M	G	0.00	0.00	575.00
0	325	326	307	306	M	G	0.00	0.00	575.00
0	333	334	315	314	M	G	0.00	0.00	575.00
0	312	313	294	293	M	G	0.00	0.00	345.00
0	336	337	318	317	M	G	0.00	0.00	805.00
0	303	304	285	284	M	G	0.00	0.00	345.00
0	346	347	328	327	M	G	0.00	0.00	805.00
0	348	349	330	329	M	G	0.00	0.00	805.00
0	354	355	336	335	M	G	0.00	0.00	1035.00
0	372	277	276	353	M	G	0.00	0.00	1035.00
0	315	274	273	296	M	G	0.00	0.00	345.00
0	310	311	292	291	M	G	0.00	0.00	345.00
0	300	301	282	281	M	G	0.00	0.00	345.00
0	291	292	263	262	M	G	0.00	0.00	115.00
0	278	279	250	249	M	G	0.00	0.00	115.00
0	329	330	311	310	M	G	0.00	0.00	575.00
0	276	335	316	275	M	G	0.00	0.00	805.00
0	352	353	334	333	M	G	0.00	0.00	805.00
0	337	338	319	318	M	G	0.00	0.00	805.00
0	339	340	321	320	M	G	0.00	0.00	805.00
0	345	346	327	326	M	G	0.00	0.00	805.00
0	307	308	289	288	M	G	0.00	0.00	345.00
0	341	342	323	322	M	G	0.00	0.00	805.00
0	298	299	280	279	M	G	0.00	0.00	345.00
0	359	360	341	340	M	G	0.00	0.00	1035.00
0	366	367	348	347	M	G	0.00	0.00	1035.00
0	368	369	350	349	M	G	0.00	0.00	1035.00
0	319	320	301	300	M	G	0.00	0.00	575.00
0	371	372	353	352	M	G	0.00	0.00	1035.00
0	305	306	287	286	M	G	0.00	0.00	345.00
0	296	273	2	267	M	G	0.00	0.00	115.00
0	286	287	258	257	M	G	0.00	0.00	115.00
0	324	325	306	305	M	G	0.00	0.00	575.00
0	330	331	312	311	M	G	0.00	0.00	575.00
0	351	352	333	332	M	G	0.00	0.00	805.00
0	347	348	329	328	M	G	0.00	0.00	805.00
0	277	354	335	276	M	G	0.00	0.00	1035.00
0	358	359	340	339	M	G	0.00	0.00	1035.00
0	302	303	284	283	M	G	0.00	0.00	345.00
0	309	310	291	290	M	G	0.00	0.00	345.00

0	344	345	326	325	M	G	0.00	0.00	805.00
0	294	295	266	265	M	G	0.00	0.00	115.00
0	289	290	261	260	M	G	0.00	0.00	115.00
0	317	318	299	298	M	G	0.00	0.00	575.00
0	313	314	295	294	M	G	0.00	0.00	345.00
0	331	332	313	312	M	G	0.00	0.00	575.00
0	342	343	324	323	M	G	0.00	0.00	805.00
0	350	351	332	331	M	G	0.00	0.00	805.00
0	361	362	343	342	M	G	0.00	0.00	1035.00
0	304	305	286	285	M	G	0.00	0.00	345.00
0	283	284	255	254	M	G	0.00	0.00	115.00
0	364	365	346	345	M	G	0.00	0.00	1035.00
0	275	316	297	274	M	G	0.00	0.00	575.00
0	327	328	309	308	M	G	0.00	0.00	575.00
0	323	324	305	304	M	G	0.00	0.00	575.00
0	353	276	275	334	M	G	0.00	0.00	805.00
0	362	363	344	343	M	G	0.00	0.00	1035.00
0	318	319	300	299	M	G	0.00	0.00	575.00
0	357	358	339	338	M	G	0.00	0.00	1035.00
0	343	344	325	324	M	G	0.00	0.00	805.00
0	290	291	262	261	M	G	0.00	0.00	115.00
0	273	278	249	2	M	G	0.00	0.00	115.00
0	322	323	304	303	M	G	0.00	0.00	575.00
0	285	286	257	256	M	G	0.00	0.00	115.00
0	370	371	352	351	M	G	0.00	0.00	1035.00
0	367	368	349	348	M	G	0.00	0.00	1035.00
0	314	315	296	295	M	G	0.00	0.00	345.00
0	295	296	267	266	M	G	0.00	0.00	115.00
0	356	357	338	337	M	G	0.00	0.00	1035.00
0	299	300	281	280	M	G	0.00	0.00	345.00
0	328	329	310	309	M	G	0.00	0.00	575.00
0	335	336	317	316	M	G	0.00	0.00	805.00
0	369	370	351	350	M	G	0.00	0.00	1035.00

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 statica
Vincoli esterni: Considera sempre vincoli assegnati in modellazione
Schematizzazione piani rigidi: nessun impalcato rigido
Modalità di recupero masse secondarie: mantenere sul nodo masse e forze relative

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 4
- Sito di costruzione: SP144, 72026 San Pancrazio salentino BR, Italia LON. 17.79020 LAT. 40.39720
  Contenuto tra ID reticolo: 34809 34808 35030 35031

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	201	0.0386	2.48	0.40	1.00	1.00
SLV	1898	0.0708	2.86	0.53	1.00	1.00

- Edificio esistente: No
- Tipo di opera: Opera ordinaria
- Vita nominale V_N: 100.00
- Classe d'uso: Classe IV
- Applica semplificazioni per zona 4: no
- 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: 0.00 <m>
- Altezza della struttura: 116.21 <m>
- Numero piani edificio: 0
- Coefficiente θ: 0.00
- Edificio regolare in altezza: si
- Edificio regolare in pianta: si
- Forze orizzontali convenzionali per stati limite non sismici: 1.00%
- Genera stati limite per verifiche di resistenza al fuoco: no

Dati di calcolo

- Categoria del suolo di fondazione: A
- Tipologia edificio: acciaio a mensola o a pendolo inverso

Coeff. C_1: 0.085
Periodo T_1: 3.00847
Coeff. λ SLD: 1.00
Coeff. λ SLV: 1.00
Rapporto di sovraresistenza (α_u/α_1): 1.00
Valore di riferimento del fattore di struttura (q_0): 2.00
Fattore riduttivo (K_w): 1.00
Fattore riduttivo regolarità in altezza (KR): 1.00
Fattore di struttura (q): 2.00

- Categoria topografica: T1 - Superficie pianeggiante, pendii e rilievi isolati con inclinazione media i<=15°
- Coeff. amplificazione topografica S_T: 1.00
- Fattore di struttura per sisma verticale (qv): 1.50
- Smorzamento spettro: 5.00%

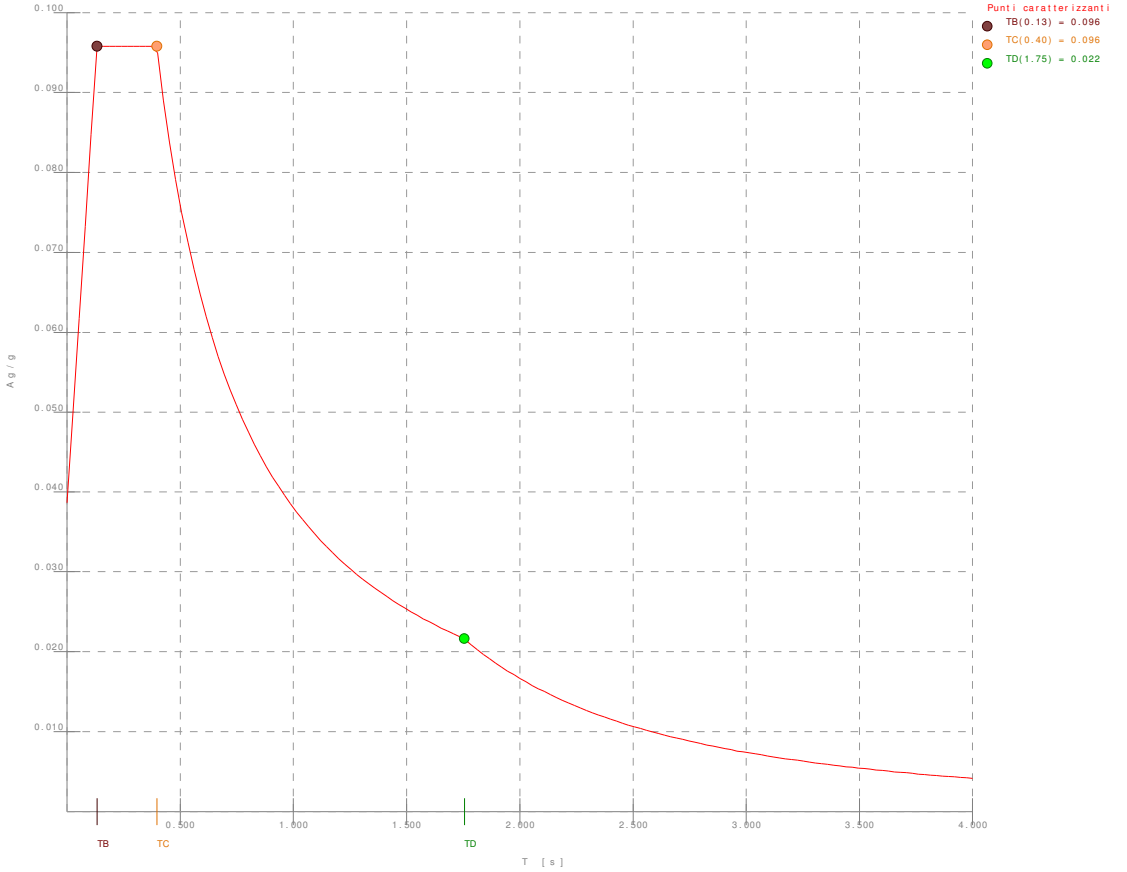

Figura numero 1: Spettro SLD

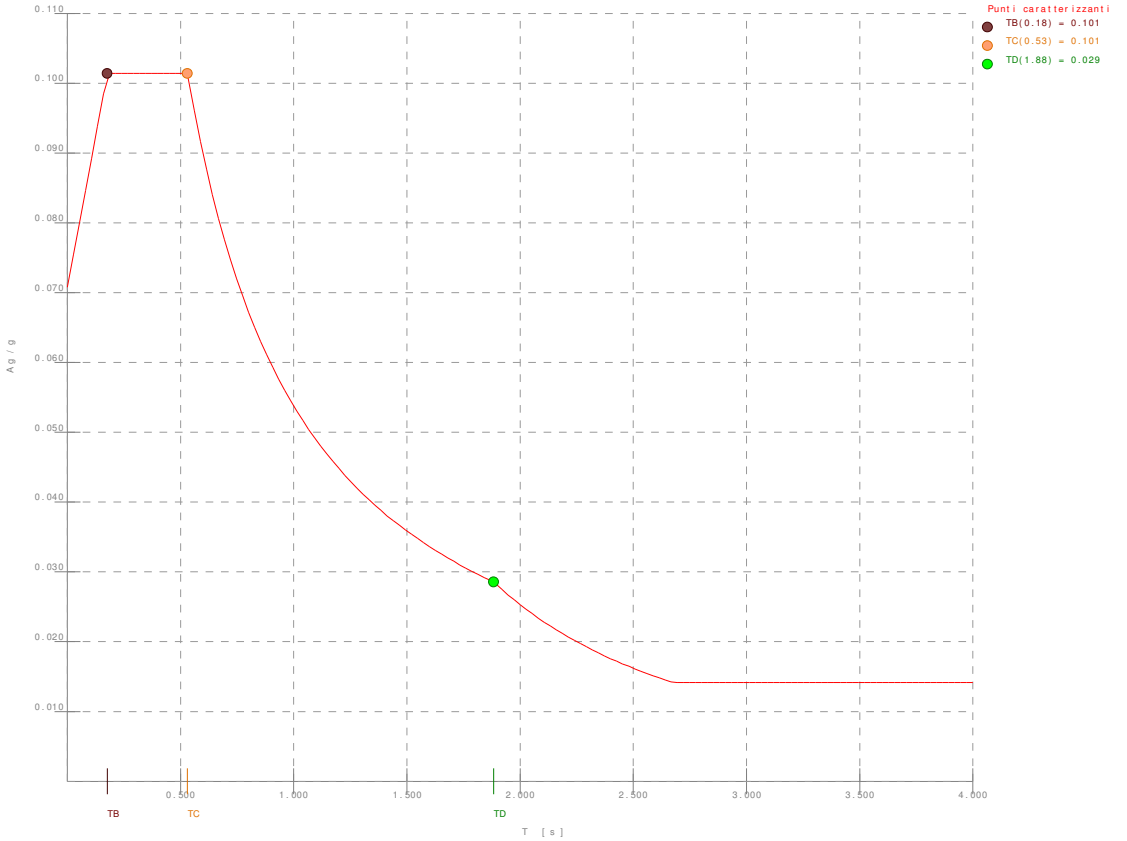

Figura numero 2: Spettro SLV

- Angolo di ingresso del sisma: 0.00 <grad>
- Tipo di combinazione sismica: 30% esteso

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	peso proprio struttura	1.00	1.00	0.00	0.00	0.00	1.00	1	S	--
2	peso navicella	1.00	1.00	0.00	0.00	0.00	1.00	2	S	--
3	vento navicella	1.00	1.00	0.00	0.00	0.00	1.00	10	S	B
4	vento torre	1.00	1.00	0.00	0.00	0.00	1.00	10	S	B
5	neve navicella	1.00	1.00	0.00	0.00	0.00	1.00	11	S	B
6	zavorra	1.00	1.00	0.00	0.00	0.00	1.00	1	S	--

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	1.50				
10	D.M. 08 Variabili Vento	Q	N	0.00	1.50	0.60	0.20	0.00	0.00
11	D.M. 08 Variabili Neve (a quota <= 1000 m s.l.m.)	Q	N	0.00	1.50	0.50	0.20	0.00	0.00

Ambienti di carico

Simbologia

N Numero
Comm. Commento
1 peso proprio struttura
2 peso navicella
3 vento navicella
4 vento torre
5 neve navicella
6 zavorra
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	4	5	6	S	SLU	SLR	SLF	SLQ
1	Calcolo sismico	si	si	si	si	si	si	si	si	no	no	no
2	Calcolo statico	si	si	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	4	5	6	S
1	Amb. 1 (Sisma)	SLU S	1	1	ψ_2	ψ_2	ψ_2	1	1
2	Amb. 2 (SLU)	SLU	γ max	γ max	γ max	γ max	γ max	γ max	-----
3	Amb. 2 (SLE R)	SLE R	1	1	1	1	1	1	-----
4	Amb. 2 (SLE F)	SLE F	1	1	ψ_1	ψ_1	ψ_1	1	-----
5	Amb. 2 (SLE Q)	SLE Q	1	1	ψ_2	ψ_2	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	4	5	6	S X	S Y
1	CC 1 - Amb. 1 (SLU S) S +X+0.3Y	SLV	L	N	1.00	1.00	0.00	0.00	0.00	1.00	1.00	0.30
2	CC 2 - Amb. 1 (SLE) S +X+0.3Y	SLD	L	N	1.00	1.00	0.00	0.00	0.00	1.00	1.00	0.30
3	CC 3 - Amb. 1 (SLU S) S +X-0.3Y	SLV	L	N	1.00	1.00	0.00	0.00	0.00	1.00	1.00	-0.30
4	CC 4 - Amb. 1 (SLE) S +X-0.3Y	SLD	L	N	1.00	1.00	0.00	0.00	0.00	1.00	1.00	-0.30
5	CC 5 - Amb. 1 (SLU S) S -X+0.3Y	SLV	L	N	1.00	1.00	0.00	0.00	0.00	1.00	-1.00	0.30
6	CC 6 - Amb. 1 (SLE) S -X+0.3Y	SLD	L	N	1.00	1.00	0.00	0.00	0.00	1.00	-1.00	0.30
7	CC 7 - Amb. 1 (SLU S) S -X-0.3Y	SLV	L	N	1.00	1.00	0.00	0.00	0.00	1.00	-1.00	-0.30
8	CC 8 - Amb. 1 (SLE) S -X-0.3Y	SLD	L	N	1.00	1.00	0.00	0.00	0.00	1.00	-1.00	-0.30
9	CC 9 - Amb. 1 (SLU S) S +0.3X+Y	SLV	L	N	1.00	1.00	0.00	0.00	0.00	1.00	0.30	1.00
10	CC 10 - Amb. 1 (SLE) S +0.3X+Y	SLD	L	N	1.00	1.00	0.00	0.00	0.00	1.00	0.30	1.00
11	CC 11 - Amb. 1 (SLU S) S -0.3X+Y	SLV	L	N	1.00	1.00	0.00	0.00	0.00	1.00	-0.30	1.00
12	CC 12 - Amb. 1 (SLE) S -0.3X+Y	SLD	L	N	1.00	1.00	0.00	0.00	0.00	1.00	-0.30	1.00
13	CC 13 - Amb. 1 (SLU S) S +0.3X-Y	SLV	L	N	1.00	1.00	0.00	0.00	0.00	1.00	0.30	-1.00
14	CC 14 - Amb. 1 (SLE) S +0.3X-Y	SLD	L	N	1.00	1.00	0.00	0.00	0.00	1.00	0.30	-1.00
15	CC 15 - Amb. 1 (SLU S) S -0.3X-Y	SLV	L	N	1.00	1.00	0.00	0.00	0.00	1.00	-0.30	-1.00
16	CC 16 - Amb. 1 (SLE) S -0.3X-Y	SLD	L	N	1.00	1.00	0.00	0.00	0.00	1.00	-0.30	-1.00
17	CC 17 - Amb. 2 (SLU)	SLU	L	N	1.30	1.50	1.50	1.50	1.50	1.30	0.00	0.00
18	CC 18 - Amb. 2 (SLE R)	SLE R	L	N	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
19	CC 19 - Amb. 2 (SLE F)	SLE F	L	N	1.00	1.00	0.20	0.20	0.20	1.00	0.00	0.00
20	CC 20 - Amb. 2 (SLE Q)	SLE Q	L	N	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00

Elenco masse nodi

Simbologia
Nodo = Numero del nodo
Mo = Massa orizzontale

Nodo	Mo <kg>	Nodo	Mo <kg>	Nodo	Mo <kg>	Nodo	Mo <kg>	Nodo	Mo <kg>	Nodo	Mo <kg>
-123	4636.50	-122	4636.50	-121	4636.50	-120	4791.05	-119	4829.69	-118	4829.69
-117	4597.43	-116	7009.11	-115	7990.93	-114	4090.92	-113	5998.53	-112	5660.40
-111	4558.36	-110	4560.99	-109	4435.47	-108	4309.28	-107	4068.75	-106	4197.60
-105	4052.37	-104	4092.08	-103	3763.50	-102	3653.58	-101	3570.92	-100	3588.57
-99	3349.98	-98	3242.05	-97	2594.93	-96	2530.78	-95	2917.45	-94	2842.39
-93	2711.58	-92	2609.68	-91	2523.88	-90	2397.26	-89	2339.15	-88	1585.54
-87	1520.18	-86	1511.89	-85	2007.40	-84	1908.15	-83	1785.23	-82	1666.87
-81	1340.48	-80	1898.97	-79	1767.51	-78	1698.58	-77	1274.09	-76	1441.98
-75	1783.72	-74	2560.65	-73	2560.65	-72	2560.65	-71	2560.65	-70	2560.65
-69	2560.65	-68	2560.65	-67	2560.65	-66	2560.65	-65	2560.65	-64	2560.65
-63	2560.65	-62	2560.65	-61	2560.65	-60	2560.65	-59	2560.65	-58	2560.65
-57	2560.65	-56	2560.65	-19	2560.65	110	46715.60	112	7500.02	113	6040.92
114	5044.73	115	5829.46	116	5245.04	117	4559.68	118	4498.23	119	4372.38
120	4189.01	121	4133.18	122	4124.99	123	4072.22	124	3927.78	125	3708.54
126	3612.24	127	3579.75	128	3469.27	129	3296.02	130	2918.48	131	2562.86
132	2724.11	133	2879.93	134	2776.98	135	2660.64	136	2566.78	137	2460.58
138	2368.20	139	1962.35	140	1552.86	141	1516.04	142	1759.64	143	1957.78
144	1846.69	145	1726.05	146	1644.90	147	1478.50	148	1833.24	149	1733.05
150	1486.34	151	1358.04	152	1612.84	153	116590.00	268	4829.69	269	4810.37
270	4713.78	271	4636.50	272	4636.51						

Totali masse nodi

Mo <kg>
532544.00

Elenco forze sismiche nodali allo SLD

Simbologia
Nodo = Numero del nodo
cx = Coeff. c in dir. X
cy = Coeff. c in dir. Y
Fx = Forza in dir. X
Fy = Forza in dir. Y

Nodo	cx	cy	Fx <daN>	Fy <daN>
-123	0.00	0.00	16.73	16.73
-122	0.00	0.00	15.39	15.39
-121	0.00	0.00	14.06	14.06
-120	0.00	0.00	13.12	13.12
-119	0.00	0.00	11.78	11.78
-118	0.00	0.00	10.33	10.33
-117	0.00	0.00	17.25	17.25
-116	0.00	0.00	4.20	4.20
-115	0.00	0.00	7.43	7.43
-114	0.00	0.00	4.89	4.89
-113	0.00	0.00	8.76	8.76
-112	0.00	0.00	10.26	10.26
-111	0.00	0.00	17.79	17.79
-110	0.00	0.00	19.20	19.20
-109	0.01	0.01	20.07	20.07
-108	0.01	0.01	20.88	20.88
-107	0.01	0.01	21.04	21.04
-106	0.01	0.01	23.12	23.12
-105	0.01	0.01	23.75	23.75
-104	0.01	0.01	25.42	25.42
-103	0.01	0.01	24.70	24.70
-102	0.01	0.01	25.25	25.25
-101	0.01	0.01	25.93	25.93
-100	0.01	0.01	27.32	27.32
-99	0.01	0.01	26.67	26.67
-98	0.01	0.01	26.95	26.95
-97	0.01	0.01	22.40	22.40
-96	0.01	0.01	22.58	22.58
-95	0.01	0.01	26.97	26.97
-94	0.01	0.01	27.26	27.26
-93	0.01	0.01	26.94	26.94
-92	0.01	0.01	26.84	26.84
-91	0.01	0.01	26.83	26.83
-90	0.01	0.01	26.32	26.32
-89	0.01	0.01	26.49	26.49
-88	0.00	0.00	18.43	18.43

-87	0.00	0.00	18.05	18.05
-86	0.00	0.00	18.32	18.32
-85	0.01	0.01	24.92	24.92
-84	0.01	0.01	24.35	24.35
-83	0.01	0.01	23.40	23.40
-82	0.01	0.01	22.42	22.42
-81	0.00	0.00	18.49	18.49
-80	0.01	0.01	26.74	26.74
-79	0.01	0.01	25.50	25.50
-78	0.01	0.01	25.09	25.09
-77	0.00	0.00	19.21	19.21
-76	0.01	0.01	22.12	22.12
-75	0.01	0.01	27.83	27.83
-74	0.00	0.00	1.14	1.14
-73	0.00	0.00	1.14	1.14
-72	0.00	0.00	1.14	1.14
-71	0.00	0.00	1.14	1.14
-70	0.00	0.00	1.14	1.14
-69	0.00	0.00	1.14	1.14
-68	0.00	0.00	1.14	1.14
-67	0.00	0.00	1.14	1.14
-66	0.00	0.00	1.14	1.14
-65	0.00	0.00	1.14	1.14
-64	0.00	0.00	1.14	1.14
-63	0.00	0.00	1.14	1.14
-62	0.00	0.00	1.14	1.14
-61	0.00	0.00	1.14	1.14
-60	0.00	0.00	1.14	1.14
-59	0.00	0.00	1.14	1.14
-58	0.00	0.00	1.14	1.14
-57	0.00	0.00	1.14	1.14
-56	0.00	0.00	1.14	1.14
-19	0.00	0.00	1.14	1.14
110	0.01	0.01	20.78	20.78
112	0.00	0.00	5.65	5.65
113	0.00	0.00	6.68	6.68
114	0.00	0.00	6.49	6.49
115	0.00	0.00	9.53	9.53
116	0.00	0.00	10.43	10.43
117	0.00	0.00	18.48	18.48
118	0.01	0.01	19.64	19.64
119	0.01	0.01	20.48	20.48
120	0.01	0.01	20.98	20.98
121	0.01	0.01	22.04	22.04
122	0.01	0.01	23.45	23.45
123	0.01	0.01	24.58	24.58
124	0.01	0.01	25.09	25.09
125	0.01	0.01	24.98	24.98
126	0.01	0.01	25.60	25.60
127	0.01	0.01	26.62	26.62
128	0.01	0.01	27.01	27.01
129	0.01	0.01	26.82	26.82
130	0.01	0.01	24.77	24.77
131	0.01	0.01	22.50	22.50
132	0.01	0.01	24.71	24.71
133	0.01	0.01	27.12	27.12
134	0.01	0.01	27.11	27.11
135	0.01	0.01	26.90	26.90
136	0.01	0.01	26.84	26.84
137	0.01	0.01	26.59	26.59
138	0.01	0.01	26.41	26.41
139	0.01	0.01	22.56	22.56
140	0.00	0.00	18.24	18.24
141	0.00	0.00	18.18	18.18
142	0.01	0.01	21.54	21.54
143	0.01	0.01	24.64	24.64
144	0.01	0.01	23.88	23.88
145	0.01	0.01	22.92	22.92
146	0.01	0.01	22.41	22.41
147	0.01	0.01	20.56	20.56
148	0.01	0.01	26.13	26.13
149	0.01	0.01	25.30	25.30
150	0.01	0.01	22.21	22.21
151	0.01	0.01	20.65	20.65
152	0.01	0.01	24.95	24.95
153	0.48	0.48	1834.65	1834.65
268	0.00	0.00	11.05	11.05
269	0.00	0.00	12.45	12.45
270	0.00	0.00	13.61	13.61

271	0.00	0.00	14.72	14.72
272	0.00	0.00	16.06	16.06

Totali forze sismiche

Fx <daN>	Fy <daN>
3847.60	3847.60

Elenco forze sismiche nodali allo SLV

Nodo	cx	cy	Fx <daN>	Fy <daN>
-123	0.00	0.00	32.16	32.16
-122	0.00	0.00	29.59	29.59
-121	0.00	0.00	27.02	27.02
-120	0.00	0.00	25.22	25.22
-119	0.00	0.00	22.64	22.64
-118	0.00	0.00	19.85	19.85
-117	0.00	0.00	33.16	33.16
-116	0.00	0.00	8.07	8.07
-115	0.00	0.00	14.28	14.28
-114	0.00	0.00	9.41	9.41
-113	0.00	0.00	16.85	16.85
-112	0.00	0.00	19.71	19.71
-111	0.00	0.00	34.20	34.20
-110	0.00	0.00	36.91	36.91
-109	0.01	0.01	38.58	38.58
-108	0.01	0.01	40.14	40.14
-107	0.01	0.01	40.44	40.44
-106	0.01	0.01	44.45	44.45
-105	0.01	0.01	45.65	45.65
-104	0.01	0.01	48.86	48.86
-103	0.01	0.01	47.47	47.47
-102	0.01	0.01	48.54	48.54
-101	0.01	0.01	49.85	49.85
-100	0.01	0.01	52.51	52.51
-99	0.01	0.01	51.27	51.27
-98	0.01	0.01	51.80	51.80
-97	0.01	0.01	43.06	43.06
-96	0.01	0.01	43.41	43.41
-95	0.01	0.01	51.83	51.83
-94	0.01	0.01	52.40	52.40
-93	0.01	0.01	51.79	51.79
-92	0.01	0.01	51.59	51.59
-91	0.01	0.01	51.58	51.58
-90	0.01	0.01	50.59	50.59
-89	0.01	0.01	50.92	50.92
-88	0.00	0.00	35.42	35.42
-87	0.00	0.00	34.69	34.69
-86	0.00	0.00	35.22	35.22
-85	0.01	0.01	47.91	47.91
-84	0.01	0.01	46.80	46.80
-83	0.01	0.01	44.97	44.97
-82	0.01	0.01	43.10	43.10
-81	0.00	0.00	35.55	35.55
-80	0.01	0.01	51.40	51.40
-79	0.01	0.01	49.01	49.01
-78	0.01	0.01	48.23	48.23
-77	0.00	0.00	36.92	36.92
-76	0.01	0.01	42.52	42.52
-75	0.01	0.01	53.50	53.50
-74	0.00	0.00	2.19	2.19
-73	0.00	0.00	2.19	2.19
-72	0.00	0.00	2.19	2.19
-71	0.00	0.00	2.19	2.19
-70	0.00	0.00	2.19	2.19
-69	0.00	0.00	2.19	2.19
-68	0.00	0.00	2.19	2.19
-67	0.00	0.00	2.19	2.19
-66	0.00	0.00	2.19	2.19
-65	0.00	0.00	2.19	2.19
-64	0.00	0.00	2.19	2.19
-63	0.00	0.00	2.19	2.19
-62	0.00	0.00	2.19	2.19
-61	0.00	0.00	2.19	2.19
-60	0.00	0.00	2.19	2.19
-59	0.00	0.00	2.19	2.19
-58	0.00	0.00	2.19	2.19
-57	0.00	0.00	2.19	2.19
-56	0.00	0.00	2.19	2.19

-19	0.00	0.00	2.19	2.19
110	0.01	0.01	39.94	39.94
112	0.00	0.00	10.87	10.87
113	0.00	0.00	12.84	12.84
114	0.00	0.00	12.47	12.47
115	0.00	0.00	18.33	18.33
116	0.00	0.00	20.04	20.04
117	0.00	0.00	35.53	35.53
118	0.01	0.01	37.75	37.75
119	0.01	0.01	39.36	39.36
120	0.01	0.01	40.32	40.32
121	0.01	0.01	42.37	42.37
122	0.01	0.01	45.08	45.08
123	0.01	0.01	47.26	47.26
124	0.01	0.01	48.22	48.22
125	0.01	0.01	48.03	48.03
126	0.01	0.01	49.21	49.21
127	0.01	0.01	51.17	51.17
128	0.01	0.01	51.93	51.93
129	0.01	0.01	51.55	51.55
130	0.01	0.01	47.61	47.61
131	0.01	0.01	43.24	43.24
132	0.01	0.01	47.49	47.49
133	0.01	0.01	52.13	52.13
134	0.01	0.01	52.12	52.12
135	0.01	0.01	51.71	51.71
136	0.01	0.01	51.60	51.60
137	0.01	0.01	51.10	51.10
138	0.01	0.01	50.76	50.76
139	0.01	0.01	43.37	43.37
140	0.00	0.00	35.06	35.06
141	0.00	0.00	34.95	34.95
142	0.01	0.01	41.41	41.41
143	0.01	0.01	47.37	47.37
144	0.01	0.01	45.91	45.91
145	0.01	0.01	44.05	44.05
146	0.01	0.01	43.07	43.07
147	0.01	0.01	39.53	39.53
148	0.01	0.01	50.23	50.23
149	0.01	0.01	48.63	48.63
150	0.01	0.01	42.70	42.70
151	0.01	0.01	39.70	39.70
152	0.01	0.01	47.97	47.97
153	0.48	0.48	3526.58	3526.58
268	0.00	0.00	21.25	21.25
269	0.00	0.00	23.94	23.94
270	0.00	0.00	26.16	26.16
271	0.00	0.00	28.30	28.30
272	0.00	0.00	30.87	30.87

Totali forze sismiche

Fx <daN>	Fy <daN>
7395.90	7395.90

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
-123	Max	11.99	17	3.75	11	-1.64	1	0.02	17	0.01	17	0.00	17
-123	Min.	-3.75	7	-41.14	17	-2.15	17	-0.00	9	-0.00	5	0.00	1
-122	Max	10.35	17	3.24	11	-1.63	1	0.02	17	0.01	17	0.00	17
-122	Min.	-3.24	7	-35.59	17	-2.14	17	-0.00	9	-0.00	5	0.00	1
-121	Max	8.82	17	2.77	11	-1.63	1	0.02	17	0.01	17	0.00	17
-121	Min.	-2.77	7	-30.39	17	-2.13	17	-0.00	9	-0.00	5	0.00	1
-120	Max	7.38	17	2.32	11	-1.62	1	0.02	17	0.01	17	0.00	17
-120	Min.	-2.32	7	-25.46	17	-2.12	17	-0.00	9	-0.00	5	0.00	1
-119	Max	6.03	17	1.90	11	-1.61	1	0.02	17	0.01	17	0.00	17
-119	Min.	-1.90	7	-20.84	17	-2.11	17	-0.00	9	-0.00	5	0.00	1

-118	Max	4.79	17	1.51	11	-1.60	1	0.02	17	0.00	17	0.00	17
-118	Min.	-1.51	7	-16.61	17	-2.10	17	-0.00	9	-0.00	5	0.00	1
-117	Max	12.85	17	4.01	11	-1.65	1	0.02	17	0.01	17	0.00	17
-117	Min.	-4.01	7	-44.05	17	-2.16	17	-0.00	9	-0.00	5	0.00	1
-116	Max	0.41	17	0.13	11	-1.56	1	0.01	17	0.00	17	0.00	17
-116	Min.	-0.13	7	-1.43	17	-2.04	17	0.00	9	0.00	5	0.00	1
-115	Max	1.11	17	0.35	11	-1.57	1	0.01	17	0.00	17	0.00	17
-115	Min.	-0.35	7	-3.87	17	-2.05	17	0.00	9	0.00	5	0.00	1
-114	Max	1.76	17	0.56	11	-1.57	1	0.01	17	0.00	17	0.00	17
-114	Min.	-0.56	7	-6.12	17	-2.06	17	0.00	9	0.00	5	0.00	1
-113	Max	2.49	17	0.79	11	-1.58	1	0.01	17	0.00	17	0.00	17
-113	Min.	-0.79	7	-8.65	17	-2.07	17	-0.00	9	-0.00	5	0.00	1
-112	Max	3.60	17	1.14	11	-1.59	1	0.01	17	0.00	17	0.00	17
-112	Min.	-1.14	7	-12.49	17	-2.08	17	-0.00	9	-0.00	5	0.00	1
-111	Max	13.77	17	4.30	11	-1.65	1	0.03	17	0.01	17	0.00	17
-111	Min.	-4.30	7	-47.17	17	-2.16	17	-0.00	9	-0.00	5	0.00	1
-110	Max	15.75	17	4.90	11	-1.66	1	0.03	17	0.01	17	0.00	17
-110	Min.	-4.90	7	-53.82	17	-2.18	17	-0.00	9	-0.00	5	0.00	1
-109	Max	17.91	17	5.56	11	-1.67	1	0.03	17	0.01	17	0.00	17
-109	Min.	-5.56	7	-61.07	17	-2.19	17	-0.00	9	-0.00	5	0.00	1
-108	Max	20.25	17	6.27	11	-1.68	1	0.03	17	0.01	17	0.00	17
-108	Min.	-6.27	7	-68.89	17	-2.20	17	-0.00	9	-0.00	5	0.00	1
-107	Max	22.76	17	7.03	11	-1.69	1	0.03	17	0.01	17	0.00	17
-107	Min.	-7.03	7	-77.26	17	-2.21	17	-0.00	9	-0.00	5	0.00	1
-106	Max	25.55	17	7.86	11	-1.70	1	0.03	17	0.01	17	0.00	17
-106	Min.	-7.86	7	-86.47	17	-2.23	17	-0.00	9	-0.00	5	0.00	1
-105	Max	28.62	17	8.78	11	-1.71	1	0.04	17	0.01	17	0.00	17
-105	Min.	-8.78	7	-96.61	17	-2.24	17	-0.00	9	-0.00	5	0.00	1
-104	Max	31.86	17	9.74	11	-1.72	1	0.04	17	0.01	17	0.00	17
-104	Min.	-9.74	7	-107.25	17	-2.26	17	-0.00	9	-0.00	5	0.00	1
-103	Max	35.27	17	10.75	11	-1.73	1	0.04	17	0.01	17	0.00	17
-103	Min.	-10.75	7	-118.37	17	-2.27	17	-0.00	9	-0.00	5	0.00	1
-102	Max	38.86	17	11.80	11	-1.74	1	0.04	17	0.01	17	0.00	17
-102	Min.	-11.80	7	-130.03	17	-2.29	17	-0.00	9	-0.00	5	0.00	1
-101	Max	42.63	17	12.90	9	-1.75	1	0.04	17	0.01	17	0.00	17
-101	Min.	-12.90	5	-142.21	17	-2.30	17	-0.00	9	-0.00	5	0.00	1
-100	Max	46.58	17	14.04	9	-1.76	1	0.04	17	0.01	17	0.00	17
-100	Min.	-14.04	5	-154.91	17	-2.31	17	-0.00	9	-0.00	5	0.00	1
-99	Max	50.70	17	15.23	9	-1.77	1	0.05	17	0.01	17	0.00	17
-99	Min.	-15.23	5	-168.11	17	-2.33	17	-0.00	9	-0.00	5	0.00	1
-98	Max	55.01	17	16.46	9	-1.78	1	0.05	17	0.02	17	0.00	17
-98	Min.	-16.46	5	-181.82	17	-2.34	17	-0.00	9	-0.00	5	0.00	1
-97	Max	59.11	17	17.62	9	-1.79	1	0.05	17	0.02	17	0.00	17
-97	Min.	-17.62	5	-194.81	17	-2.36	17	-0.00	9	-0.00	5	0.00	1
-96	Max	62.96	17	18.71	9	-1.80	1	0.05	17	0.02	17	0.00	17
-96	Min.	-18.71	5	-206.97	17	-2.37	17	-0.00	9	-0.00	5	0.00	1
-95	Max	67.33	17	19.94	9	-1.81	1	0.05	17	0.02	17	0.00	17
-95	Min.	-19.94	5	-220.69	17	-2.38	17	-0.00	9	-0.00	5	0.00	1
-94	Max	72.25	17	21.31	9	-1.82	1	0.05	17	0.02	17	0.00	17
-94	Min.	-21.31	5	-236.07	17	-2.40	17	-0.00	9	-0.00	5	0.00	1
-93	Max	77.35	17	22.73	9	-1.83	1	0.06	17	0.02	17	0.00	17
-93	Min.	-22.73	5	-251.91	17	-2.41	17	-0.00	9	-0.00	5	0.00	1
-92	Max	82.63	17	24.18	9	-1.84	1	0.06	17	0.02	17	0.00	17
-92	Min.	-24.18	5	-268.22	17	-2.43	17	-0.01	9	-0.01	5	0.00	1
-91	Max	88.08	17	25.67	9	-1.85	1	0.06	17	0.02	17	0.00	17
-91	Min.	-25.67	5	-284.99	17	-2.44	17	-0.01	9	-0.01	5	0.00	1
-90	Max	93.71	17	27.20	9	-1.86	1	0.06	17	0.02	17	0.00	17
-90	Min.	-27.20	5	-302.22	17	-2.46	17	-0.01	9	-0.01	5	0.00	1
-89	Max	99.52	17	28.76	9	-1.87	1	0.06	17	0.02	17	0.00	17
-89	Min.	-28.76	5	-319.89	17	-2.48	17	-0.01	9	-0.01	5	0.00	1
-88	Max	104.64	17	30.13	9	-1.88	1	0.06	17	0.02	17	0.00	17
-88	Min.	-30.13	5	-335.38	17	-2.49	17	-0.01	9	-0.01	5	0.00	1
-87	Max	109.01	17	31.29	9	-1.89	1	0.06	17	0.02	17	0.00	17
-87	Min.	-31.29	5	-348.54	17	-2.50	17	-0.01	9	-0.01	5	0.00	1
-86	Max	113.47	17	32.47	9	-1.90	1	0.07	17	0.02	17	0.00	17
-86	Min.	-32.47	5	-361.92	17	-2.51	17	-0.01	9	-0.01	5	0.00	1
-85	Max	118.91	17	33.89	9	-1.91	1	0.07	17	0.02	17	0.00	17
-85	Min.	-33.89	5	-378.19	17	-2.53	17	-0.01	9	-0.01	5	0.00	1
-84	Max	125.40	17	35.58	9	-1.92	1	0.07	17	0.02	17	0.00	17
-84	Min.	-35.58	5	-397.48	17	-2.55	17	-0.01	9	-0.01	5	0.00	1
-83	Max	132.06	17	37.30	9	-1.93	1	0.07	17	0.02	17	0.00	17
-83	Min.	-37.30	5	-417.17	17	-2.56	17	-0.01	9	-0.01	5	0.00	1
-82	Max	138.89	17	39.05	9	-1.94	1	0.07	17	0.02	17	0.00	17
-82	Min.	-39.05	5	-437.25	17	-2.58	17	-0.01	9	-0.01	5	0.00	1
-81	Max	145.90	17	40.83	9	-1.95	1	0.07	17	0.02	17	0.00	17
-81	Min.	-40.83	5	-457.71	17	-2.60	17	-0.01	9	-0.01	5	0.00	1
-80	Max	151.80	17	42.31	9	-1.96	1	0.07	17	0.03	17	0.00	17
-80	Min.	-42.31	5	-474.87	17	-2.62	17	-0.01	9	-0.01	5	0.00	1
-79	Max	159.06	17	44.12	9	-1.98	1	0.07	17	0.03	17	0.00	17

-79	Min.	-44.12	5	-495.89	17	-2.63	17	-0.01	9	-0.01	5	0.00	1
-78	Max	166.44	17	45.94	9	-1.99	1	0.07	17	0.03	17	0.00	17
-78	Min.	-45.94	5	-517.16	17	-2.65	17	-0.01	9	-0.01	5	0.00	1
-77	Max	173.03	17	47.56	9	-2.00	1	0.07	17	0.03	17	0.00	17
-77	Min.	-47.56	5	-536.10	17	-2.67	17	-0.01	9	-0.01	5	0.00	1
-76	Max	178.81	17	48.97	9	-2.00	1	0.08	17	0.03	17	0.00	17
-76	Min.	-48.97	5	-552.62	17	-2.68	17	-0.01	9	-0.01	5	0.00	1
-75	Max	184.63	17	50.38	9	-2.01	1	0.08	17	0.03	17	0.00	17
-75	Min.	-50.38	5	-569.22	17	-2.69	17	-0.01	9	-0.01	5	0.00	1
-74	Max	0.10	17	0.04	9	-1.53	5	0.00	7	0.00	5	0.00	17
-74	Min.	-0.03	7	-0.26	17	-2.21	17	0.00	17	-0.00	17	0.00	9
-73	Max	0.13	17	0.03	9	-1.53	5	0.00	5	0.00	5	0.00	17
-73	Min.	-0.03	7	-0.25	17	-2.28	17	-0.00	17	-0.00	17	0.00	9
-72	Max	0.16	17	0.03	9	-1.53	11	0.00	11	0.00	11	0.00	17
-72	Min.	-0.03	7	-0.25	17	-2.33	17	-0.00	17	-0.00	17	0.00	1
-71	Max	0.20	17	0.03	9	-1.53	11	0.00	11	0.00	9	0.00	17
-71	Min.	-0.04	7	-0.27	17	-2.35	17	-0.00	17	0.00	17	0.00	1
-70	Max	0.23	17	0.03	11	-1.53	11	0.00	9	0.00	17	0.00	7
-70	Min.	-0.04	7	-0.30	17	-2.34	17	-0.00	17	0.00	7	0.00	17
-69	Max	0.25	17	0.03	11	-1.53	9	0.00	9	0.00	17	0.00	5
-69	Min.	-0.04	5	-0.36	17	-2.29	17	-0.00	17	0.00	11	0.00	17
-68	Max	0.24	17	0.03	11	-1.53	9	0.00	9	0.00	17	0.00	5
-68	Min.	-0.03	5	-0.42	17	-2.23	17	0.00	17	0.00	9	0.00	17
-67	Max	0.21	17	0.03	11	-1.53	1	0.00	17	0.00	17	0.00	11
-67	Min.	-0.03	5	-0.47	17	-2.14	17	0.00	7	0.00	1	0.00	17
-66	Max	0.15	17	0.04	11	-1.53	1	0.00	17	0.00	17	0.00	11
-66	Min.	-0.03	5	-0.51	17	-2.04	17	0.00	5	0.00	1	0.00	17
-65	Max	0.09	17	0.04	11	-1.50	18	0.00	17	0.00	5	0.00	11
-65	Min.	-0.03	7	-0.51	17	-1.95	17	0.00	11	0.00	17	0.00	17
-64	Max	0.03	1	0.04	9	-1.44	18	0.00	17	0.00	5	0.00	9
-64	Min.	-0.03	7	-0.49	17	-1.86	17	0.00	1	-0.00	17	0.00	17
-63	Max	0.03	1	0.03	9	-1.39	18	0.00	5	0.00	5	0.00	9
-63	Min.	-0.03	7	-0.45	17	-1.79	17	0.00	17	-0.00	17	0.00	17
-62	Max	0.03	1	0.03	9	-1.36	18	0.00	11	0.00	11	0.00	1
-62	Min.	-0.04	17	-0.39	17	-1.74	17	-0.00	17	-0.00	17	0.00	17
-61	Max	0.04	1	0.03	9	-1.35	18	0.00	11	0.00	9	0.00	17
-61	Min.	-0.04	7	-0.34	17	-1.72	17	-0.00	17	-0.00	17	0.00	7
-60	Max	0.04	1	0.03	11	-1.35	18	0.00	9	0.00	1	0.00	17
-60	Min.	-0.04	7	-0.30	17	-1.73	17	-0.00	17	0.00	17	0.00	7
-59	Max	0.04	3	0.03	11	-1.38	18	0.00	9	0.00	17	0.00	17
-59	Min.	-0.04	5	-0.28	17	-1.77	17	-0.00	17	0.00	11	0.00	5
-58	Max	0.05	17	0.03	11	-1.43	18	0.00	9	0.00	17	0.00	17
-58	Min.	-0.03	5	-0.27	17	-1.84	17	-0.00	17	0.00	9	0.00	5
-57	Max	0.06	17	0.03	11	-1.48	18	0.00	1	0.00	17	0.00	17
-57	Min.	-0.03	5	-0.27	17	-1.93	17	0.00	17	0.00	1	0.00	11
-56	Max	0.08	17	0.04	11	-1.53	7	0.00	3	0.00	7	0.00	17
-56	Min.	-0.03	5	-0.27	17	-2.02	17	0.00	17	0.00	1	0.00	11
-55	Max	0.00	1	0.00	1	-1.53	5	0.00	17	0.00	17	0.00	1
-55	Min.	0.00	1	0.00	1	-2.15	17	0.00	11	0.00	5	0.00	1
-54	Max	0.00	1	0.00	1	-1.53	5	0.00	17	0.00	17	0.00	1
-54	Min.	0.00	1	0.00	1	-2.20	17	0.00	11	0.00	5	0.00	1
-53	Max	0.00	1	0.00	1	-1.53	11	0.00	17	0.00	17	0.00	1
-53	Min.	0.00	1	0.00	1	-2.23	17	0.00	11	0.00	5	0.00	1
-52	Max	0.00	1	0.00	1	-1.53	11	0.00	17	0.00	17	0.00	1
-52	Min.	0.00	1	0.00	1	-2.24	17	0.00	11	0.00	5	0.00	1
-51	Max	0.00	1	0.00	1	-1.53	11	0.00	17	0.00	17	0.00	1
-51	Min.	0.00	1	0.00	1	-2.24	17	0.00	11	0.00	5	0.00	1
-50	Max	0.00	1	0.00	1	-1.53	9	0.00	17	0.00	17	0.00	1
-50	Min.	0.00	1	0.00	1	-2.21	17	0.00	9	0.00	7	0.00	1
-49	Max	0.00	1	0.00	1	-1.53	9	0.00	17	0.00	17	0.00	1
-49	Min.	0.00	1	0.00	1	-2.16	17	0.00	9	0.00	7	0.00	1
-48	Max	0.00	1	0.00	1	-1.53	1	0.00	17	0.00	17	0.00	1
-48	Min.	0.00	1	0.00	1	-2.10	17	0.00	9	0.00	7	0.00	1
-47	Max	0.00	1	0.00	1	-1.53	1	0.00	17	0.00	17	0.00	1
-47	Min.	0.00	1	0.00	1	-2.04	17	0.00	9	0.00	7	0.00	1
-46	Max	0.00	1	0.00	1	-1.52	18	0.00	17	0.00	17	0.00	1
-46	Min.	0.00	1	0.00	1	-1.97	17	0.00	9	0.00	7	0.00	1
-45	Max	0.00	1	0.00	1	-1.47	18	0.00	17	0.00	17	0.00	1
-45	Min.	0.00	1	0.00	1	-1.91	17	0.00	11	0.00	5	0.00	1
-44	Max	0.00	1	0.00	1	-1.44	18	0.00	17	0.00	17	0.00	1
-44	Min.	0.00	1	0.00	1	-1.86	17	0.00	11	0.00	5	0.00	1
-43	Max	0.00	1	0.00	1	-1.42	18	0.00	17	0.00	17	0.00	1
-43	Min.	0.00	1	0.00	1	-1.83	17	0.00	11	0.00	5	0.00	1
-42	Max	0.00	1	0.00	1	-1.41	18	0.00	17	0.00	17	0.00	1
-42	Min.	0.00	1	0.00	1	-1.82	17	0.00	11	0.00	5	0.00	1
-41	Max	0.00	1	0.00	1	-1.42	18	0.00	17	0.00	17	0.00	1
-41	Min.	0.00	1	0.00	1	-1.83	17	0.00	11	0.00	5	0.00	1
-40	Max	0.00	1	0.00	1	-1.44	18	0.00	17	0.00	17	0.00	1
-40	Min.	0.00	1	0.00	1	-1.85	17	0.00	9	0.00	7	0.00	1

-39	Max	0.00	1	0.00	1	-1.47	18	0.00	17	0.00	17	0.00	1
-39	Min.	0.00	1	0.00	1	-1.90	17	0.00	9	0.00	7	0.00	1
-38	Max	0.00	1	0.00	1	-1.51	18	0.00	17	0.00	17	0.00	1
-38	Min.	0.00	1	0.00	1	-1.96	17	0.00	9	0.00	7	0.00	1
-37	Max	0.00	1	0.00	1	-1.53	7	0.00	17	0.00	17	0.00	1
-37	Min.	0.00	1	0.00	1	-2.02	17	0.00	9	0.00	7	0.00	1
-19	Max	0.09	17	0.04	11	-1.53	7	0.00	13	0.00	5	0.00	17
-19	Min.	-0.03	7	-0.27	17	-2.12	17	0.00	17	0.00	17	0.00	11
-1	Max	0.00	1	0.00	1	-1.53	7	0.00	17	0.00	17	0.00	1
-1	Min.	0.00	1	0.00	1	-2.09	17	0.00	9	0.00	7	0.00	1
1	Max	0.00	1	0.00	1	-1.55	1	0.00	17	0.00	17	0.00	1
1	Min.	0.00	1	0.00	1	-2.03	17	0.00	11	0.00	7	0.00	1
2	Max	0.00	1	0.00	1	-1.53	7	0.00	17	0.00	17	0.00	1
2	Min.	0.00	1	0.00	1	-2.11	17	0.00	9	0.00	7	0.00	1
110	Max	0.13	17	0.04	11	-1.56	1	0.01	17	0.00	17	0.00	17
110	Min.	-0.04	7	-0.44	17	-2.03	17	0.00	9	0.00	5	0.00	1
111	Max	0.00	1	0.00	1	-1.56	1	0.00	9	0.00	5	0.00	1
111	Min.	0.00	1	0.00	1	-2.03	17	-0.00	17	0.00	17	0.00	1
112	Max	0.72	17	0.23	11	-1.56	1	0.01	17	0.00	17	0.00	17
112	Min.	-0.23	7	-2.52	17	-2.04	17	0.00	9	0.00	5	0.00	1
113	Max	1.53	17	0.49	11	-1.57	1	0.01	17	0.00	17	0.00	17
113	Min.	-0.49	7	-5.33	17	-2.06	17	0.00	9	0.00	5	0.00	1
114	Max	2.00	17	0.63	11	-1.58	1	0.01	17	0.00	17	0.00	17
114	Min.	-0.63	7	-6.95	17	-2.06	17	-0.00	9	-0.00	5	0.00	1
115	Max	3.02	17	0.96	11	-1.59	1	0.01	17	0.00	17	0.00	17
115	Min.	-0.96	7	-10.49	17	-2.08	17	-0.00	9	-0.00	5	0.00	1
116	Max	4.22	17	1.34	11	-1.60	1	0.02	17	0.00	17	0.00	17
116	Min.	-1.34	7	-14.65	17	-2.09	17	-0.00	9	-0.00	5	0.00	1
117	Max	14.72	17	4.59	11	-1.65	1	0.03	17	0.01	17	0.00	17
117	Min.	-4.59	7	-50.38	17	-2.17	17	-0.00	9	-0.00	5	0.00	1
118	Max	16.80	17	5.22	11	-1.66	1	0.03	17	0.01	17	0.00	17
118	Min.	-5.22	7	-57.37	17	-2.18	17	-0.00	9	-0.00	5	0.00	1
119	Max	19.05	17	5.91	11	-1.67	1	0.03	17	0.01	17	0.00	17
119	Min.	-5.91	7	-64.88	17	-2.19	17	-0.00	9	-0.00	5	0.00	1
120	Max	21.49	17	6.64	11	-1.68	1	0.03	17	0.01	17	0.00	17
120	Min.	-6.64	7	-73.02	17	-2.21	17	-0.00	9	-0.00	5	0.00	1
121	Max	24.08	17	7.42	11	-1.69	1	0.03	17	0.01	17	0.00	17
121	Min.	-7.42	7	-81.61	17	-2.22	17	-0.00	9	-0.00	5	0.00	1
122	Max	27.06	17	8.32	11	-1.70	1	0.03	17	0.01	17	0.00	17
122	Min.	-8.32	7	-91.47	17	-2.23	17	-0.00	9	-0.00	5	0.00	1
123	Max	30.23	17	9.26	11	-1.71	1	0.04	17	0.01	17	0.00	17
123	Min.	-9.26	7	-101.88	17	-2.25	17	-0.00	9	-0.00	5	0.00	1
124	Max	33.55	17	10.24	11	-1.72	1	0.04	17	0.01	17	0.00	17
124	Min.	-10.24	7	-112.74	17	-2.26	17	-0.00	9	-0.00	5	0.00	1
125	Max	37.04	17	11.27	11	-1.73	1	0.04	17	0.01	17	0.00	17
125	Min.	-11.27	7	-124.13	17	-2.28	17	-0.00	9	-0.00	5	0.00	1
126	Max	40.72	17	12.34	11	-1.74	1	0.04	17	0.01	17	0.00	17
126	Min.	-12.34	7	-136.05	17	-2.29	17	-0.00	9	-0.00	5	0.00	1
127	Max	44.58	17	13.46	9	-1.75	1	0.04	17	0.01	17	0.00	17
127	Min.	-13.46	5	-148.50	17	-2.31	17	-0.00	9	-0.00	5	0.00	1
128	Max	48.62	17	14.63	9	-1.76	1	0.05	17	0.01	17	0.00	17
128	Min.	-14.63	5	-161.45	17	-2.32	17	-0.00	9	-0.00	5	0.00	1
129	Max	52.83	17	15.84	9	-1.77	1	0.05	17	0.01	17	0.00	17
129	Min.	-15.84	5	-174.90	17	-2.34	17	-0.00	9	-0.00	5	0.00	1
130	Max	57.23	17	17.09	9	-1.78	1	0.05	17	0.02	17	0.00	17
130	Min.	-17.09	5	-188.86	17	-2.35	17	-0.00	9	-0.00	5	0.00	1
131	Max	61.02	17	18.17	9	-1.79	1	0.05	17	0.02	17	0.00	17
131	Min.	-18.17	5	-200.85	17	-2.36	17	-0.00	9	-0.00	5	0.00	1
132	Max	64.94	17	19.27	9	-1.80	1	0.05	17	0.02	17	0.00	17
132	Min.	-19.27	5	-213.18	17	-2.38	17	-0.00	9	-0.00	5	0.00	1
133	Max	69.77	17	20.62	9	-1.81	1	0.05	17	0.02	17	0.00	17
133	Min.	-20.62	5	-228.32	17	-2.39	17	-0.00	9	-0.00	5	0.00	1
134	Max	74.78	17	22.02	9	-1.82	1	0.05	17	0.02	17	0.00	17
134	Min.	-22.02	5	-243.93	17	-2.41	17	-0.00	9	-0.00	5	0.00	1
135	Max	79.97	17	23.45	9	-1.83	1	0.06	17	0.02	17	0.00	17
135	Min.	-23.45	5	-260.01	17	-2.42	17	-0.01	9	-0.01	5	0.00	1
136	Max	85.33	17	24.92	9	-1.84	1	0.06	17	0.02	17	0.00	17
136	Min.	-24.92	5	-276.55	17	-2.44	17	-0.01	9	-0.01	5	0.00	1
137	Max	90.88	17	26.43	9	-1.85	1	0.06	17	0.02	17	0.00	17
137	Min.	-26.43	5	-293.55	17	-2.45	17	-0.01	9	-0.01	5	0.00	1
138	Max	96.60	17	27.97	9	-1.86	1	0.06	17	0.02	17	0.00	17
138	Min.	-27.97	5	-311.00	17	-2.47	17	-0.01	9	-0.01	5	0.00	1
139	Max	102.50	17	29.55	9	-1.87	1	0.06	17	0.02	17	0.00	17
139	Min.	-29.55	5	-328.89	17	-2.48	17	-0.01	9	-0.01	5	0.00	1
140	Max	106.82	17	30.71	9	-1.88	1	0.06	17	0.02	17	0.00	17
140	Min.	-30.71	5	-341.94	17	-2.50	17	-0.01	9	-0.01	5	0.00	1
141	Max	111.23	17	31.87	9	-1.89	1	0.06	17	0.02	17	0.00	17
141	Min.	-31.87	5	-355.20	17	-2.51	17	-0.01	9	-0.01	5	0.00	1
142	Max	115.73	17	33.06	9	-1.90	1	0.07	17	0.02	17	0.00	17

142	Min.	-33.06	5	-368.69	17	-2.52	17	-0.01	9	-0.01	5	0.00	1
143	Max	122.14	17	34.73	9	-1.91	1	0.07	17	0.02	17	0.00	17
143	Min.	-34.73	5	-387.78	17	-2.54	17	-0.01	9	-0.01	5	0.00	1
144	Max	128.71	17	36.44	9	-1.92	1	0.07	17	0.02	17	0.00	17
144	Min.	-36.44	5	-407.27	17	-2.56	17	-0.01	9	-0.01	5	0.00	1
145	Max	135.45	17	38.17	9	-1.94	1	0.07	17	0.02	17	0.00	17
145	Min.	-38.17	5	-427.15	17	-2.57	17	-0.01	9	-0.01	5	0.00	1
146	Max	142.37	17	39.93	9	-1.95	1	0.07	17	0.02	17	0.00	17
146	Min.	-39.93	5	-447.43	17	-2.59	17	-0.01	9	-0.01	5	0.00	1
147	Max	148.21	17	41.41	9	-1.96	1	0.07	17	0.02	17	0.00	17
147	Min.	-41.41	5	-464.45	17	-2.61	17	-0.01	9	-0.01	5	0.00	1
148	Max	155.41	17	43.21	9	-1.97	1	0.07	17	0.03	17	0.00	17
148	Min.	-43.21	5	-485.34	17	-2.63	17	-0.01	9	-0.01	5	0.00	1
149	Max	162.73	17	45.03	9	-1.98	1	0.07	17	0.03	17	0.00	17
149	Min.	-45.03	5	-506.49	17	-2.64	17	-0.01	9	-0.01	5	0.00	1
150	Max	170.17	17	46.86	9	-1.99	1	0.07	17	0.03	17	0.00	17
150	Min.	-46.86	5	-527.88	17	-2.66	17	-0.01	9	-0.01	5	0.00	1
151	Max	175.92	17	48.27	9	-2.00	1	0.08	17	0.03	17	0.00	17
151	Min.	-48.27	5	-544.35	17	-2.67	17	-0.01	9	-0.01	5	0.00	1
152	Max	181.72	17	49.67	9	-2.01	1	0.08	17	0.03	17	0.00	17
152	Min.	-49.67	5	-560.91	17	-2.68	17	-0.01	9	-0.01	5	0.00	1
153	Max	187.55	17	51.08	9	-2.01	1	0.08	17	0.03	17	0.00	17
153	Min.	-51.08	5	-577.54	17	-2.69	17	-0.01	9	-0.01	5	0.00	1
249	Max	0.00	1	0.00	1	-1.52	7	0.00	17	0.00	17	0.00	1
249	Min.	0.00	1	0.00	1	-2.02	17	0.00	9	0.00	7	0.00	1
250	Max	0.00	1	0.00	1	-1.48	18	0.00	17	0.00	17	0.00	1
250	Min.	0.00	1	0.00	1	-1.93	17	0.00	9	0.00	7	0.00	1
251	Max	0.00	1	0.00	1	-1.43	18	0.00	17	0.00	17	0.00	1
251	Min.	0.00	1	0.00	1	-1.85	17	0.00	9	0.00	7	0.00	1
252	Max	0.00	1	0.00	1	-1.39	18	0.00	17	0.00	17	0.00	1
252	Min.	0.00	1	0.00	1	-1.78	17	0.00	9	0.00	7	0.00	1
253	Max	0.00	1	0.00	1	-1.36	18	0.00	17	0.00	17	0.00	1
253	Min.	0.00	1	0.00	1	-1.74	17	0.00	11	0.00	5	0.00	1
254	Max	0.00	1	0.00	1	-1.35	18	0.00	17	0.00	17	0.00	1
254	Min.	0.00	1	0.00	1	-1.73	17	0.00	11	0.00	5	0.00	1
255	Max	0.00	1	0.00	1	-1.37	18	0.00	17	0.00	17	0.00	1
255	Min.	0.00	1	0.00	1	-1.75	17	0.00	11	0.00	5	0.00	1
256	Max	0.00	1	0.00	1	-1.40	18	0.00	17	0.00	17	0.00	1
256	Min.	0.00	1	0.00	1	-1.79	17	0.00	11	0.00	5	0.00	1
257	Max	0.00	1	0.00	1	-1.44	18	0.00	17	0.00	17	0.00	1
257	Min.	0.00	1	0.00	1	-1.86	17	0.00	11	0.00	5	0.00	1
258	Max	0.00	1	0.00	1	-1.50	18	0.00	17	0.00	17	0.00	1
258	Min.	0.00	1	0.00	1	-1.95	17	0.00	9	0.00	7	0.00	1
259	Max	0.00	1	0.00	1	-1.52	1	0.00	17	0.00	17	0.00	1
259	Min.	0.00	1	0.00	1	-2.04	17	0.00	9	0.00	7	0.00	1
260	Max	0.00	1	0.00	1	-1.53	1	0.00	17	0.00	17	0.00	1
260	Min.	0.00	1	0.00	1	-2.13	17	0.00	9	0.00	7	0.00	1
261	Max	0.00	1	0.00	1	-1.53	9	0.00	17	0.00	17	0.00	1
261	Min.	0.00	1	0.00	1	-2.21	17	0.00	9	0.00	7	0.00	1
262	Max	0.00	1	0.00	1	-1.52	9	0.00	17	0.00	17	0.00	1
262	Min.	0.00	1	0.00	1	-2.28	17	0.00	9	0.00	7	0.00	1
263	Max	0.00	1	0.00	1	-1.53	11	0.00	17	0.00	17	0.00	1
263	Min.	0.00	1	0.00	1	-2.32	17	0.00	11	0.00	5	0.00	1
264	Max	0.00	1	0.00	1	-1.52	11	0.00	17	0.00	17	0.00	1
264	Min.	0.00	1	0.00	1	-2.33	17	0.00	11	0.00	5	0.00	1
265	Max	0.00	1	0.00	1	-1.53	11	0.00	17	0.00	17	0.00	1
265	Min.	0.00	1	0.00	1	-2.31	17	0.00	11	0.00	5	0.00	1
266	Max	0.00	1	0.00	1	-1.53	5	0.00	17	0.00	17	0.00	1
266	Min.	0.00	1	0.00	1	-2.26	17	0.00	11	0.00	5	0.00	1
267	Max	0.00	1	0.00	1	-1.52	5	0.00	17	0.00	17	0.00	1
267	Min.	0.00	1	0.00	1	-2.20	17	0.00	11	0.00	5	0.00	1
268	Max	5.39	17	1.70	11	-1.61	1	0.02	17	0.00	17	0.00	17
268	Min.	-1.70	7	-18.67	17	-2.10	17	-0.00	9	-0.00	5	0.00	1
269	Max	6.69	17	2.11	11	-1.61	1	0.02	17	0.01	17	0.00	17
269	Min.	-2.11	7	-23.11	17	-2.12	17	-0.00	9	-0.00	5	0.00	1
270	Max	8.10	17	2.54	11	-1.62	1	0.02	17	0.01	17	0.00	17
270	Min.	-2.54	7	-27.92	17	-2.13	17	-0.00	9	-0.00	5	0.00	1
271	Max	9.57	17	3.00	11	-1.63	1	0.02	17	0.01	17	0.00	17
271	Min.	-3.00	7	-32.94	17	-2.14	17	-0.00	9	-0.00	5	0.00	1
272	Max	11.16	17	3.49	11	-1.64	1	0.02	17	0.01	17	0.00	17
272	Min.	-3.49	7	-38.32	17	-2.15	17	-0.00	9	-0.00	5	0.00	1
273	Max	0.00	1	0.00	1	-1.51	7	0.00	17	0.00	17	0.00	1
273	Min.	0.00	1	0.00	1	-2.15	17	0.00	9	0.00	7	0.00	1
274	Max	0.00	1	0.00	1	-1.49	7	0.00	17	0.00	17	0.00	1
274	Min.	0.00	1	0.00	1	-2.19	17	0.00	11	0.00	7	0.00	1
275	Max	0.00	1	0.00	1	-1.47	7	0.00	17	0.00	17	0.00	1
275	Min.	0.00	1	0.00	1	-2.24	17	0.00	11	0.00	7	0.00	1
276	Max	0.00	1	0.00	1	-1.46	7	0.00	17	0.00	17	0.00	1
276	Min.	0.00	1	0.00	1	-2.28	17	0.00	11	0.00	7	0.00	1

277	Max	0.00	1	0.00	1	-1.44	7	0.00	17	0.00	17	0.00	1
277	Min.	0.00	1	0.00	1	-2.32	17	0.00	11	0.00	7	0.00	1
278	Max	0.00	1	0.00	1	-1.51	7	0.00	17	0.00	17	0.00	1
278	Min.	0.00	1	0.00	1	-2.01	17	0.00	9	0.00	7	0.00	1
279	Max	0.00	1	0.00	1	-1.44	18	0.00	17	0.00	17	0.00	1
279	Min.	0.00	1	0.00	1	-1.87	17	0.00	9	0.00	7	0.00	1
280	Max	0.00	1	0.00	1	-1.36	18	0.00	17	0.00	17	0.00	1
280	Min.	0.00	1	0.00	1	-1.74	17	0.00	9	0.00	7	0.00	1
281	Max	0.00	1	0.00	1	-1.29	18	0.00	17	0.00	17	0.00	1
281	Min.	0.00	1	0.00	1	-1.64	17	0.00	9	0.00	7	0.00	1
282	Max	0.00	1	0.00	1	-1.25	18	0.00	17	0.00	17	0.00	1
282	Min.	0.00	1	0.00	1	-1.59	11	0.00	11	0.00	5	0.00	1
283	Max	0.00	1	0.00	1	-1.24	18	0.00	17	0.00	17	0.00	1
283	Min.	0.00	1	0.00	1	-1.59	11	0.00	11	0.00	5	0.00	1
284	Max	0.00	1	0.00	1	-1.26	18	0.00	17	0.00	17	0.00	1
284	Min.	0.00	1	0.00	1	-1.59	11	0.00	11	0.00	5	0.00	1
285	Max	0.00	1	0.00	1	-1.30	18	0.00	17	0.00	17	0.00	1
285	Min.	0.00	1	0.00	1	-1.66	17	0.00	11	0.00	5	0.00	1
286	Max	0.00	1	0.00	1	-1.38	18	0.00	17	0.00	17	0.00	1
286	Min.	0.00	1	0.00	1	-1.76	17	0.00	11	0.00	5	0.00	1
287	Max	0.00	1	0.00	1	-1.46	18	0.00	17	0.00	17	0.00	1
287	Min.	0.00	1	0.00	1	-1.90	17	0.00	9	0.00	7	0.00	1
288	Max	0.00	1	0.00	1	-1.51	1	0.00	17	0.00	17	0.00	1
288	Min.	0.00	1	0.00	1	-2.04	17	0.00	9	0.00	7	0.00	1
289	Max	0.00	1	0.00	1	-1.51	1	0.00	17	0.00	17	0.00	1
289	Min.	0.00	1	0.00	1	-2.18	17	0.00	9	0.00	7	0.00	1
290	Max	0.00	1	0.00	1	-1.51	9	0.00	17	0.00	17	0.00	1
290	Min.	0.00	1	0.00	1	-2.31	17	0.00	9	0.00	7	0.00	1
291	Max	0.00	1	0.00	1	-1.51	9	0.00	17	0.00	17	0.00	1
291	Min.	0.00	1	0.00	1	-2.41	17	0.00	9	0.00	7	0.00	1
292	Max	0.00	1	0.00	1	-1.51	11	0.00	17	0.00	17	0.00	1
292	Min.	0.00	1	0.00	1	-2.47	17	0.00	11	0.00	5	0.00	1
293	Max	0.00	1	0.00	1	-1.51	11	0.00	17	0.00	17	0.00	1
293	Min.	0.00	1	0.00	1	-2.49	17	0.00	11	0.00	5	0.00	1
294	Max	0.00	1	0.00	1	-1.51	11	0.00	17	0.00	17	0.00	1
294	Min.	0.00	1	0.00	1	-2.46	17	0.00	11	0.00	5	0.00	1
295	Max	0.00	1	0.00	1	-1.51	5	0.00	17	0.00	17	0.00	1
295	Min.	0.00	1	0.00	1	-2.39	17	0.00	11	0.00	5	0.00	1
296	Max	0.00	1	0.00	1	-1.51	5	0.00	17	0.00	17	0.00	1
296	Min.	0.00	1	0.00	1	-2.29	17	0.00	11	0.00	5	0.00	1
297	Max	0.00	1	0.00	1	-1.49	7	0.00	17	0.00	17	0.00	1
297	Min.	0.00	1	0.00	1	-2.00	17	0.00	9	0.00	7	0.00	1
298	Max	0.00	1	0.00	1	-1.40	18	0.00	17	0.00	17	0.00	1
298	Min.	0.00	1	0.00	1	-1.80	17	0.00	9	0.00	7	0.00	1
299	Max	0.00	1	0.00	1	-1.29	18	0.00	17	0.00	17	0.00	1
299	Min.	0.00	1	0.00	1	-1.63	17	0.00	9	0.00	7	0.00	1
300	Max	0.00	1	0.00	1	-1.20	18	0.00	17	0.00	17	0.00	1
300	Min.	0.00	1	0.00	1	-1.60	9	0.00	9	0.00	7	0.00	1
301	Max	0.00	1	0.00	1	-1.14	18	0.00	17	0.00	17	0.00	1
301	Min.	0.00	1	0.00	1	-1.60	11	0.00	11	0.00	7	0.00	1
302	Max	0.00	1	0.00	1	-1.13	18	0.00	17	0.00	17	0.00	1
302	Min.	0.00	1	0.00	1	-1.60	11	0.00	11	0.00	5	0.00	1
303	Max	0.00	1	0.00	1	-1.15	18	0.00	17	0.00	17	0.00	1
303	Min.	0.00	1	0.00	1	-1.60	11	0.00	11	0.00	5	0.00	1
304	Max	0.00	1	0.00	1	-1.21	18	0.00	17	0.00	17	0.00	1
304	Min.	0.00	1	0.00	1	-1.60	5	0.00	11	0.00	5	0.00	1
305	Max	0.00	1	0.00	1	-1.31	18	0.00	17	0.00	17	0.00	1
305	Min.	0.00	1	0.00	1	-1.67	17	0.00	11	0.00	5	0.00	1
306	Max	0.00	1	0.00	1	-1.43	18	0.00	17	0.00	17	0.00	1
306	Min.	0.00	1	0.00	1	-1.85	17	0.00	11	0.00	7	0.00	1
307	Max	0.00	1	0.00	1	-1.49	1	0.00	17	0.00	17	0.00	1
307	Min.	0.00	1	0.00	1	-2.04	17	0.00	9	0.00	7	0.00	1
308	Max	0.00	1	0.00	1	-1.49	1	0.00	17	0.00	17	0.00	1
308	Min.	0.00	1	0.00	1	-2.24	17	0.00	9	0.00	7	0.00	1
309	Max	0.00	1	0.00	1	-1.49	9	0.00	17	0.00	17	0.00	1
309	Min.	0.00	1	0.00	1	-2.41	17	0.00	9	0.00	7	0.00	1
310	Max	0.00	1	0.00	1	-1.49	9	0.00	17	0.00	17	0.00	1
310	Min.	0.00	1	0.00	1	-2.54	17	0.00	9	0.00	7	0.00	1
311	Max	0.00	1	0.00	1	-1.49	11	0.00	17	0.00	17	0.00	1
311	Min.	0.00	1	0.00	1	-2.63	17	0.00	11	0.00	7	0.00	1
312	Max	0.00	1	0.00	1	-1.49	11	0.00	17	0.00	17	0.00	1
312	Min.	0.00	1	0.00	1	-2.65	17	0.00	11	0.00	5	0.00	1
313	Max	0.00	1	0.00	1	-1.49	11	0.00	17	0.00	17	0.00	1
313	Min.	0.00	1	0.00	1	-2.61	17	0.00	11	0.00	5	0.00	1
314	Max	0.00	1	0.00	1	-1.49	5	0.00	17	0.00	17	0.00	1
314	Min.	0.00	1	0.00	1	-2.52	17	0.00	11	0.00	5	0.00	1
315	Max	0.00	1	0.00	1	-1.49	5	0.00	17	0.00	17	0.00	1
315	Min.	0.00	1	0.00	1	-2.37	17	0.00	11	0.00	5	0.00	1
316	Max	0.00	1	0.00	1	-1.47	7	0.00	17	0.00	17	0.00	1

316	Min.	0.00	1	0.00	1	-1.99	17	0.00	11	0.00	5	0.00	1
317	Max	0.00	1	0.00	1	-1.36	18	0.00	17	0.00	17	0.00	1
317	Min.	0.00	1	0.00	1	-1.75	17	0.00	11	0.00	5	0.00	1
318	Max	0.00	1	0.00	1	-1.22	18	0.00	17	0.00	17	0.00	1
318	Min.	0.00	1	0.00	1	-1.61	9	0.00	11	0.00	5	0.00	1
319	Max	0.00	1	0.00	1	-1.10	18	0.00	17	0.00	17	0.00	1
319	Min.	0.00	1	0.00	1	-1.62	9	0.00	11	0.00	5	0.00	1
320	Max	0.00	1	0.00	1	-1.03	18	0.00	17	0.00	17	0.00	1
320	Min.	0.00	1	0.00	1	-1.61	11	0.00	11	0.00	7	0.00	1
321	Max	0.00	1	0.00	1	-1.01	18	0.00	17	0.00	17	0.00	1
321	Min.	0.00	1	0.00	1	-1.62	11	0.00	9	0.00	7	0.00	1
322	Max	0.00	1	0.00	1	-1.05	18	0.00	17	0.00	17	0.00	1
322	Min.	0.00	1	0.00	1	-1.61	11	0.00	9	0.00	7	0.00	1
323	Max	0.00	1	0.00	1	-1.13	18	0.00	17	0.00	17	0.00	1
323	Min.	0.00	1	0.00	1	-1.61	5	0.00	9	0.00	7	0.00	1
324	Max	0.00	1	0.00	1	-1.25	18	0.00	17	0.00	17	0.00	1
324	Min.	0.00	1	0.00	1	-1.62	5	0.00	9	0.00	7	0.00	1
325	Max	0.00	1	0.00	1	-1.40	18	0.00	17	0.00	17	0.00	1
325	Min.	0.00	1	0.00	1	-1.80	17	0.00	11	0.00	7	0.00	1
326	Max	0.00	1	0.00	1	-1.47	1	0.00	17	0.00	17	0.00	1
326	Min.	0.00	1	0.00	1	-2.04	17	0.00	11	0.00	5	0.00	1
327	Max	0.00	1	0.00	1	-1.47	1	0.00	17	0.00	17	0.00	1
327	Min.	0.00	1	0.00	1	-2.29	17	0.00	11	0.00	5	0.00	1
328	Max	0.00	1	0.00	1	-1.47	9	0.00	17	0.00	17	0.00	1
328	Min.	0.00	1	0.00	1	-2.51	17	0.00	11	0.00	5	0.00	1
329	Max	0.00	1	0.00	1	-1.47	9	0.00	17	0.00	17	0.00	1
329	Min.	0.00	1	0.00	1	-2.68	17	0.00	11	0.00	5	0.00	1
330	Max	0.00	1	0.00	1	-1.47	11	0.00	17	0.00	17	0.00	1
330	Min.	0.00	1	0.00	1	-2.78	17	0.00	11	0.00	7	0.00	1
331	Max	0.00	1	0.00	1	-1.47	11	0.00	17	0.00	17	0.00	1
331	Min.	0.00	1	0.00	1	-2.81	17	0.00	9	0.00	7	0.00	1
332	Max	0.00	1	0.00	1	-1.47	11	0.00	17	0.00	17	0.00	1
332	Min.	0.00	1	0.00	1	-2.76	17	0.00	9	0.00	7	0.00	1
333	Max	0.00	1	0.00	1	-1.47	5	0.00	17	0.00	17	0.00	1
333	Min.	0.00	1	0.00	1	-2.64	17	0.00	9	0.00	7	0.00	1
334	Max	0.00	1	0.00	1	-1.47	5	0.00	17	0.00	17	0.00	1
334	Min.	0.00	1	0.00	1	-2.46	17	0.00	9	0.00	7	0.00	1
335	Max	0.00	1	0.00	1	-1.45	7	0.00	17	0.00	17	0.00	1
335	Min.	0.00	1	0.00	1	-1.98	17	0.00	11	0.00	5	0.00	1
336	Max	0.00	1	0.00	1	-1.32	18	0.00	17	0.00	17	0.00	1
336	Min.	0.00	1	0.00	1	-1.69	17	0.00	11	0.00	5	0.00	1
337	Max	0.00	1	0.00	1	-1.15	18	0.00	17	0.00	17	0.00	1
337	Min.	0.00	1	0.00	1	-1.62	9	0.00	11	0.00	5	0.00	1
338	Max	0.00	1	0.00	1	-1.01	18	0.00	17	0.00	17	0.00	1
338	Min.	0.00	1	0.00	1	-1.63	9	0.00	11	0.00	5	0.00	1
339	Max	0.00	1	0.00	1	-0.93	18	0.00	17	0.00	17	0.00	1
339	Min.	0.00	1	0.00	1	-1.62	11	0.00	11	0.00	7	0.00	1
340	Max	0.00	1	0.00	1	-0.90	18	0.00	17	0.00	17	0.00	1
340	Min.	0.00	1	0.00	1	-1.63	11	0.00	9	0.00	7	0.00	1
341	Max	0.00	1	0.00	1	-0.94	18	0.00	17	0.00	17	0.00	1
341	Min.	0.00	1	0.00	1	-1.62	11	0.00	9	0.00	7	0.00	1
342	Max	0.00	1	0.00	1	-1.04	18	0.00	17	0.00	17	0.00	1
342	Min.	0.00	1	0.00	1	-1.62	5	0.00	9	0.00	7	0.00	1
343	Max	0.00	1	0.00	1	-1.18	18	0.00	17	0.00	17	0.00	1
343	Min.	0.00	1	0.00	1	-1.63	5	0.00	9	0.00	7	0.00	1
344	Max	0.00	1	0.00	1	-1.36	18	0.00	17	0.00	17	0.00	1
344	Min.	0.00	1	0.00	1	-1.75	17	0.00	11	0.00	7	0.00	1
345	Max	0.00	1	0.00	1	-1.45	1	0.00	17	0.00	17	0.00	1
345	Min.	0.00	1	0.00	1	-2.05	17	0.00	11	0.00	5	0.00	1
346	Max	0.00	1	0.00	1	-1.46	1	0.00	17	0.00	17	0.00	1
346	Min.	0.00	1	0.00	1	-2.34	17	0.00	11	0.00	5	0.00	1
347	Max	0.00	1	0.00	1	-1.46	9	0.00	17	0.00	17	0.00	1
347	Min.	0.00	1	0.00	1	-2.60	17	0.00	11	0.00	5	0.00	1
348	Max	0.00	1	0.00	1	-1.45	9	0.00	17	0.00	17	0.00	1
348	Min.	0.00	1	0.00	1	-2.81	17	0.00	11	0.00	5	0.00	1
349	Max	0.00	1	0.00	1	-1.46	11	0.00	17	0.00	17	0.00	1
349	Min.	0.00	1	0.00	1	-2.93	17	0.00	11	0.00	7	0.00	1
350	Max	0.00	1	0.00	1	-1.45	11	0.00	17	0.00	17	0.00	1
350	Min.	0.00	1	0.00	1	-2.97	17	0.00	9	0.00	7	0.00	1
351	Max	0.00	1	0.00	1	-1.46	11	0.00	17	0.00	17	0.00	1
351	Min.	0.00	1	0.00	1	-2.91	17	0.00	9	0.00	7	0.00	1
352	Max	0.00	1	0.00	1	-1.46	5	0.00	17	0.00	17	0.00	1
352	Min.	0.00	1	0.00	1	-2.77	17	0.00	9	0.00	7	0.00	1
353	Max	0.00	1	0.00	1	-1.45	5	0.00	17	0.00	17	0.00	1
353	Min.	0.00	1	0.00	1	-2.55	17	0.00	9	0.00	7	0.00	1
354	Max	0.00	1	0.00	1	-1.43	7	0.00	17	0.00	17	0.00	1
354	Min.	0.00	1	0.00	1	-1.97	17	0.00	11	0.00	5	0.00	1
355	Max	0.00	1	0.00	1	-1.28	18	0.00	17	0.00	17	0.00	1
355	Min.	0.00	1	0.00	1	-1.63	1	0.00	11	0.00	5	0.00	1

356	Max	0.00	1	0.00	1	-1.08	18	0.00	17	0.00	17	0.00	1
356	Min.	0.00	1	0.00	1	-1.63	9	0.00	11	0.00	5	0.00	1
357	Max	0.00	1	0.00	1	-0.92	18	0.00	17	0.00	17	0.00	1
357	Min.	0.00	1	0.00	1	-1.64	9	0.00	11	0.00	5	0.00	1
358	Max	0.00	1	0.00	1	-0.82	18	0.00	17	0.00	17	0.00	1
358	Min.	0.00	1	0.00	1	-1.64	11	0.00	11	0.00	7	0.00	1
359	Max	0.00	1	0.00	1	-0.79	18	0.00	17	0.00	17	0.00	1
359	Min.	0.00	1	0.00	1	-1.64	11	0.00	9	0.00	7	0.00	1
360	Max	0.00	1	0.00	1	-0.84	18	0.00	17	0.00	17	0.00	1
360	Min.	0.00	1	0.00	1	-1.63	11	0.00	9	0.00	7	0.00	1
361	Max	0.00	1	0.00	1	-0.95	18	0.00	17	0.00	17	0.00	1
361	Min.	0.00	1	0.00	1	-1.63	5	0.00	9	0.00	7	0.00	1
362	Max	0.00	1	0.00	1	-1.12	18	0.00	17	0.00	17	0.00	1
362	Min.	0.00	1	0.00	1	-1.64	5	0.00	9	0.00	7	0.00	1
363	Max	0.00	1	0.00	1	-1.33	18	0.00	17	0.00	17	0.00	1
363	Min.	0.00	1	0.00	1	-1.70	17	0.00	11	0.00	7	0.00	1
364	Max	0.00	1	0.00	1	-1.43	1	0.00	17	0.00	17	0.00	1
364	Min.	0.00	1	0.00	1	-2.05	17	0.00	11	0.00	5	0.00	1
365	Max	0.00	1	0.00	1	-1.44	1	0.00	17	0.00	17	0.00	1
365	Min.	0.00	1	0.00	1	-2.39	17	0.00	11	0.00	5	0.00	1
366	Max	0.00	1	0.00	1	-1.44	9	0.00	17	0.00	17	0.00	1
366	Min.	0.00	1	0.00	1	-2.70	17	0.00	11	0.00	5	0.00	1
367	Max	0.00	1	0.00	1	-1.43	9	0.00	17	0.00	17	0.00	1
367	Min.	0.00	1	0.00	1	-2.94	17	0.00	11	0.00	5	0.00	1
368	Max	0.00	1	0.00	1	-1.44	11	0.00	17	0.00	17	0.00	1
368	Min.	0.00	1	0.00	1	-3.09	17	0.00	11	0.00	7	0.00	1
369	Max	0.00	1	0.00	1	-1.43	11	0.00	17	0.00	17	0.00	1
369	Min.	0.00	1	0.00	1	-3.13	17	0.00	9	0.00	7	0.00	1
370	Max	0.00	1	0.00	1	-1.44	11	0.00	17	0.00	17	0.00	1
370	Min.	0.00	1	0.00	1	-3.06	17	0.00	9	0.00	7	0.00	1
371	Max	0.00	1	0.00	1	-1.44	5	0.00	17	0.00	17	0.00	1
371	Min.	0.00	1	0.00	1	-2.89	17	0.00	9	0.00	7	0.00	1
372	Max	0.00	1	0.00	1	-1.43	5	0.00	17	0.00	17	0.00	1
372	Min.	0.00	1	0.00	1	-2.64	17	0.00	9	0.00	7	0.00	1

Min = -577.54
Max = 187.55

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
-55	Max	714739.00	17	169307.00	17	0.00	7	0.00	9	0.00	17	21564.50	9
-55	Min.	-65533.90	5	-20081.00	1	0.00	17	0.00	17	0.00	5	-392906.00	17
-54	Max	888803.00	17	44504.60	5	0.00	17	0.00	3	0.00	1	20364.10	9
-54	Min.	-54648.10	11	-296254.00	17	0.00	18	0.00	17	0.00	17	-292234.00	17
-53	Max	754514.00	17	54641.70	5	0.00	11	0.00	17	0.00	15	20351.10	1
-53	Min.	-44535.20	11	-773675.00	17	0.00	17	0.00	15	0.00	17	-163172.00	17
-52	Max	364332.00	17	65518.20	11	0.00	9	0.00	17	0.00	1	21563.60	1
-52	Min.	-29935.70	9	-1079080.00	17	0.00	17	0.00	18	0.00	17	-21555.00	7
-51	Max	20342.20	7	66831.40	11	0.00	11	0.00	17	0.00	7	128049.00	17
-51	Min.	-131121.00	17	-1094700.00	17	0.00	17	0.00	11	0.00	17	-20657.20	7
-50	Max	29902.60	11	65533.90	9	0.00	18	0.00	17	0.00	7	261700.00	17
-50	Min.	-540757.00	17	-814048.00	17	0.00	3	0.00	1	0.00	17	-21555.90	5
-49	Max	44504.60	9	54648.10	1	0.00	1	0.00	17	0.00	1	369519.00	17
-49	Min.	-706184.00	17	-344349.00	17	0.00	17	0.00	7	0.00	17	-20355.50	5
-48	Max	54641.70	9	134339.00	17	0.00	1	0.00	18	0.00	3	440950.00	17
-48	Min.	-562402.00	17	-25830.90	7	0.00	17	0.00	13	0.00	17	-20342.50	11
-47	Max	65518.20	1	438012.00	17	0.00	1	0.00	11	0.00	3	469004.00	17
-47	Min.	-162801.00	17	-20097.80	5	0.00	17	0.00	17	0.00	18	-21555.00	11
-46	Max	341077.00	17	449088.00	17	0.00	18	0.00	15	0.00	17	450933.00	17
-46	Min.	-35021.70	7	-20342.20	11	0.00	7	0.00	17	0.00	18	-20657.20	11
-45	Max	757317.00	17	161494.00	17	0.00	18	0.00	15	0.00	17	388505.00	17
-45	Min.	-35278.50	5	-29902.60	1	0.00	17	0.00	17	0.00	18	-21555.90	9
-44	Max	926883.00	17	25814.30	5	0.00	3	0.00	11	0.00	5	287832.00	17
-44	Min.	-28908.50	11	-316842.00	17	0.00	17	0.00	17	0.00	18	-20355.50	9
-43	Max	784368.00	17	28912.20	5	0.00	18	0.00	18	0.00	17	158770.00	17
-43	Min.	-25830.90	11	-805023.00	17	0.00	17	0.00	5	0.00	3	-20342.50	1
-42	Max	383038.00	17	35268.10	11	0.00	18	0.00	18	0.00	5	21563.60	7
-42	Min.	-20097.80	9	-1118110.00	17	0.00	11	0.00	9	0.00	17	-21555.00	1

-41	Max	20350.80	7	35021.70	11	0.00	11	0.00	9	0.00	17	20665.80	7
-41	Min.	-125394.00	17	-1137610.00	17	0.00	17	0.00	18	0.00	3	-132451.00	17
-40	Max	20081.00	11	35278.50	9	0.00	7	0.00	18	0.00	1	21564.50	5
-40	Min.	-548570.00	17	-856626.00	17	0.00	17	0.00	15	0.00	18	-266102.00	17
-39	Max	25814.30	9	28908.50	1	0.00	18	0.00	17	0.00	18	20364.10	5
-39	Min.	-726771.00	17	-382428.00	17	0.00	17	0.00	11	0.00	5	-373921.00	17
-38	Max	28912.20	9	104485.00	17	0.00	3	0.00	18	0.00	11	20351.10	11
-38	Min.	-593749.00	17	-44535.20	7	0.00	17	0.00	13	0.00	18	-445352.00	17
-37	Max	35268.10	1	419306.00	17	0.00	15	0.00	18	0.00	3	21563.60	11
-37	Min.	-201839.00	17	-29935.70	5	0.00	17	0.00	17	0.00	17	-473406.00	17
-1	Max	298168.00	17	443361.00	17	0.00	17	0.00	13	0.00	15	20665.80	11
-1	Min.	-66831.40	7	-20350.80	11	0.00	5	0.00	18	0.00	17	-455334.00	17
1	Max	0.00	1	0.00	1	0.00	17	0.00	9	0.00	3	0.00	1
1	Min.	0.00	1	0.00	1	0.00	18	0.00	17	0.00	17	0.00	1
2	Max	0.00	1	0.00	1	0.00	5	0.00	17	0.00	18	0.00	1
2	Min.	0.00	1	0.00	1	0.00	17	0.00	9	0.00	5	0.00	1
111	Max	313210.00	5	6856970.00	17	0.00	15	0.00	17	0.00	5	86.44	1
111	Min.	-1946800.00	17	-313210.00	9	0.00	17	0.00	13	0.00	17	-52648.30	17
249	Max	0.00	1	0.00	1	0.00	18	0.00	11	0.00	17	0.00	1
249	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	5	0.00	1
250	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
250	Min.	0.00	1	0.00	1	0.00	18	0.00	11	0.00	1	0.00	1
251	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	5	0.00	1
251	Min.	0.00	1	0.00	1	0.00	7	0.00	9	0.00	17	0.00	1
252	Max	0.00	1	0.00	1	0.00	18	0.00	15	0.00	9	0.00	1
252	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
253	Max	0.00	1	0.00	1	0.00	9	0.00	9	0.00	13	0.00	1
253	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
254	Max	0.00	1	0.00	1	0.00	11	0.00	3	0.00	17	0.00	1
254	Min.	0.00	1	0.00	1	0.00	17	0.00	18	0.00	18	0.00	1
255	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
255	Min.	0.00	1	0.00	1	0.00	7	0.00	5	0.00	18	0.00	1
256	Max	0.00	1	0.00	1	0.00	13	0.00	18	0.00	7	0.00	1
256	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	18	0.00	1
257	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
257	Min.	0.00	1	0.00	1	0.00	5	0.00	13	0.00	18	0.00	1
258	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
258	Min.	0.00	1	0.00	1	0.00	1	0.00	9	0.00	1	0.00	1
259	Max	0.00	1	0.00	1	0.00	17	0.00	13	0.00	17	0.00	1
259	Min.	0.00	1	0.00	1	0.00	5	0.00	18	0.00	1	0.00	1
260	Max	0.00	1	0.00	1	0.00	17	0.00	15	0.00	5	0.00	1
260	Min.	0.00	1	0.00	1	0.00	11	0.00	17	0.00	17	0.00	1
261	Max	0.00	1	0.00	1	0.00	18	0.00	18	0.00	5	0.00	1
261	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
262	Max	0.00	1	0.00	1	0.00	11	0.00	18	0.00	1	0.00	1
262	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
263	Max	0.00	1	0.00	1	0.00	11	0.00	17	0.00	18	0.00	1
263	Min.	0.00	1	0.00	1	0.00	17	0.00	11	0.00	1	0.00	1
264	Max	0.00	1	0.00	1	0.00	3	0.00	3	0.00	18	0.00	1
264	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
265	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	18	0.00	1
265	Min.	0.00	1	0.00	1	0.00	3	0.00	18	0.00	5	0.00	1
266	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	1	0.00	1
266	Min.	0.00	1	0.00	1	0.00	13	0.00	18	0.00	17	0.00	1
267	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	3	0.00	1
267	Min.	0.00	1	0.00	1	0.00	3	0.00	11	0.00	17	0.00	1
273	Max	0.00	1	0.00	1	0.00	18	0.00	15	0.00	17	0.00	1
273	Min.	0.00	1	0.00	1	0.00	7	0.00	17	0.00	1	0.00	1
274	Max	0.00	1	0.00	1	0.00	5	0.00	17	0.00	18	0.00	1
274	Min.	0.00	1	0.00	1	0.00	18	0.00	13	0.00	5	0.00	1
275	Max	0.00	1	0.00	1	0.00	15	0.00	17	0.00	17	0.00	1
275	Min.	0.00	1	0.00	1	0.00	17	0.00	18	0.00	5	0.00	1
276	Max	0.00	1	0.00	1	0.00	17	0.00	5	0.00	17	0.00	1
276	Min.	0.00	1	0.00	1	0.00	5	0.00	17	0.00	7	0.00	1
277	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	13	0.00	1
277	Min.	0.00	1	0.00	1	0.00	5	0.00	5	0.00	17	0.00	1
278	Max	0.00	1	0.00	1	0.00	17	0.00	18	0.00	7	0.00	1
278	Min.	0.00	1	0.00	1	0.00	7	0.00	5	0.00	18	0.00	1
279	Max	0.00	1	0.00	1	0.00	5	0.00	17	0.00	1	0.00	1
279	Min.	0.00	1	0.00	1	0.00	18	0.00	18	0.00	17	0.00	1
280	Max	0.00	1	0.00	1	0.00	17	0.00	13	0.00	18	0.00	1
280	Min.	0.00	1	0.00	1	0.00	3	0.00	18	0.00	17	0.00	1
281	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
281	Min.	0.00	1	0.00	1	0.00	13	0.00	9	0.00	3	0.00	1
282	Max	0.00	1	0.00	1	0.00	18	0.00	18	0.00	5	0.00	1
282	Min.	0.00	1	0.00	1	0.00	17	0.00	9	0.00	17	0.00	1
283	Max	0.00	1	0.00	1	0.00	1	0.00	17	0.00	7	0.00	1
283	Min.	0.00	1	0.00	1	0.00	17	0.00	18	0.00	17	0.00	1
284	Max	0.00	1	0.00	1	0.00	11	0.00	13	0.00	5	0.00	1

284	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
285	Max	0.00	1	0.00	1	0.00	7	0.00	17	0.00	5	0.00	1
285	Min.	0.00	1	0.00	1	0.00	17	0.00	9	0.00	17	0.00	1
286	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	3	0.00	1
286	Min.	0.00	1	0.00	1	0.00	18	0.00	13	0.00	17	0.00	1
287	Max	0.00	1	0.00	1	0.00	5	0.00	5	0.00	18	0.00	1
287	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	3	0.00	1
288	Max	0.00	1	0.00	1	0.00	17	0.00	9	0.00	17	0.00	1
288	Min.	0.00	1	0.00	1	0.00	3	0.00	17	0.00	15	0.00	1
289	Max	0.00	1	0.00	1	0.00	18	0.00	11	0.00	18	0.00	1
289	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
290	Max	0.00	1	0.00	1	0.00	17	0.00	18	0.00	17	0.00	1
290	Min.	0.00	1	0.00	1	0.00	9	0.00	17	0.00	7	0.00	1
291	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	7	0.00	1
291	Min.	0.00	1	0.00	1	0.00	15	0.00	11	0.00	17	0.00	1
292	Max	0.00	1	0.00	1	0.00	18	0.00	17	0.00	1	0.00	1
292	Min.	0.00	1	0.00	1	0.00	13	0.00	7	0.00	17	0.00	1
293	Max	0.00	1	0.00	1	0.00	13	0.00	18	0.00	17	0.00	1
293	Min.	0.00	1	0.00	1	0.00	17	0.00	13	0.00	7	0.00	1
294	Max	0.00	1	0.00	1	0.00	11	0.00	13	0.00	1	0.00	1
294	Min.	0.00	1	0.00	1	0.00	17	0.00	18	0.00	18	0.00	1
295	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	18	0.00	1
295	Min.	0.00	1	0.00	1	0.00	5	0.00	9	0.00	15	0.00	1
296	Max	0.00	1	0.00	1	0.00	17	0.00	18	0.00	18	0.00	1
296	Min.	0.00	1	0.00	1	0.00	18	0.00	13	0.00	15	0.00	1
297	Max	0.00	1	0.00	1	0.00	18	0.00	9	0.00	17	0.00	1
297	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	5	0.00	1
298	Max	0.00	1	0.00	1	0.00	17	0.00	11	0.00	7	0.00	1
298	Min.	0.00	1	0.00	1	0.00	18	0.00	18	0.00	1	0.00	1
299	Max	0.00	1	0.00	1	0.00	17	0.00	18	0.00	7	0.00	1
299	Min.	0.00	1	0.00	1	0.00	3	0.00	11	0.00	18	0.00	1
300	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
300	Min.	0.00	1	0.00	1	0.00	9	0.00	13	0.00	18	0.00	1
301	Max	0.00	1	0.00	1	0.00	17	0.00	11	0.00	1	0.00	1
301	Min.	0.00	1	0.00	1	0.00	9	0.00	17	0.00	17	0.00	1
302	Max	0.00	1	0.00	1	0.00	17	0.00	15	0.00	17	0.00	1
302	Min.	0.00	1	0.00	1	0.00	11	0.00	17	0.00	1	0.00	1
303	Max	0.00	1	0.00	1	0.00	17	0.00	13	0.00	5	0.00	1
303	Min.	0.00	1	0.00	1	0.00	18	0.00	18	0.00	18	0.00	1
304	Max	0.00	1	0.00	1	0.00	18	0.00	18	0.00	7	0.00	1
304	Min.	0.00	1	0.00	1	0.00	17	0.00	9	0.00	17	0.00	1
305	Max	0.00	1	0.00	1	0.00	3	0.00	17	0.00	17	0.00	1
305	Min.	0.00	1	0.00	1	0.00	17	0.00	13	0.00	5	0.00	1
306	Max	0.00	1	0.00	1	0.00	18	0.00	17	0.00	18	0.00	1
306	Min.	0.00	1	0.00	1	0.00	17	0.00	11	0.00	7	0.00	1
307	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
307	Min.	0.00	1	0.00	1	0.00	15	0.00	1	0.00	18	0.00	1
308	Max	0.00	1	0.00	1	0.00	18	0.00	17	0.00	17	0.00	1
308	Min.	0.00	1	0.00	1	0.00	17	0.00	9	0.00	7	0.00	1
309	Max	0.00	1	0.00	1	0.00	18	0.00	17	0.00	17	0.00	1
309	Min.	0.00	1	0.00	1	0.00	7	0.00	15	0.00	5	0.00	1
310	Max	0.00	1	0.00	1	0.00	1	0.00	11	0.00	17	0.00	1
310	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	13	0.00	1
311	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	13	0.00	1
311	Min.	0.00	1	0.00	1	0.00	18	0.00	13	0.00	18	0.00	1
312	Max	0.00	1	0.00	1	0.00	13	0.00	17	0.00	9	0.00	1
312	Min.	0.00	1	0.00	1	0.00	17	0.00	15	0.00	17	0.00	1
313	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
313	Min.	0.00	1	0.00	1	0.00	15	0.00	3	0.00	13	0.00	1
314	Max	0.00	1	0.00	1	0.00	9	0.00	17	0.00	17	0.00	1
314	Min.	0.00	1	0.00	1	0.00	17	0.00	11	0.00	1	0.00	1
315	Max	0.00	1	0.00	1	0.00	18	0.00	3	0.00	18	0.00	1
315	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
316	Max	0.00	1	0.00	1	0.00	17	0.00	1	0.00	17	0.00	1
316	Min.	0.00	1	0.00	1	0.00	18	0.00	17	0.00	1	0.00	1
317	Max	0.00	1	0.00	1	0.00	17	0.00	11	0.00	9	0.00	1
317	Min.	0.00	1	0.00	1	0.00	1	0.00	17	0.00	17	0.00	1
318	Max	0.00	1	0.00	1	0.00	15	0.00	17	0.00	17	0.00	1
318	Min.	0.00	1	0.00	1	0.00	17	0.00	18	0.00	18	0.00	1
319	Max	0.00	1	0.00	1	0.00	18	0.00	15	0.00	17	0.00	1
319	Min.	0.00	1	0.00	1	0.00	13	0.00	17	0.00	9	0.00	1
320	Max	0.00	1	0.00	1	0.00	9	0.00	15	0.00	17	0.00	1
320	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	13	0.00	1
321	Max	0.00	1	0.00	1	0.00	15	0.00	11	0.00	15	0.00	1
321	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	18	0.00	1
322	Max	0.00	1	0.00	1	0.00	1	0.00	15	0.00	17	0.00	1
322	Min.	0.00	1	0.00	1	0.00	17	0.00	9	0.00	7	0.00	1
323	Max	0.00	1	0.00	1	0.00	17	0.00	18	0.00	17	0.00	1
323	Min.	0.00	1	0.00	1	0.00	18	0.00	11	0.00	3	0.00	1

324	Max	0.00	1	0.00	1	0.00	18	0.00	3	0.00	18	0.00	1
324	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	11	0.00	1
325	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
325	Min.	0.00	1	0.00	1	0.00	18	0.00	13	0.00	3	0.00	1
326	Max	0.00	1	0.00	1	0.00	1	0.00	18	0.00	18	0.00	1
326	Min.	0.00	1	0.00	1	0.00	17	0.00	3	0.00	1	0.00	1
327	Max	0.00	1	0.00	1	0.00	17	0.00	9	0.00	17	0.00	1
327	Min.	0.00	1	0.00	1	0.00	3	0.00	17	0.00	18	0.00	1
328	Max	0.00	1	0.00	1	0.00	18	0.00	11	0.00	17	0.00	1
328	Min.	0.00	1	0.00	1	0.00	17	0.00	18	0.00	18	0.00	1
329	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
329	Min.	0.00	1	0.00	1	0.00	15	0.00	13	0.00	13	0.00	1
330	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
330	Min.	0.00	1	0.00	1	0.00	13	0.00	13	0.00	5	0.00	1
331	Max	0.00	1	0.00	1	0.00	1	0.00	17	0.00	17	0.00	1
331	Min.	0.00	1	0.00	1	0.00	18	0.00	5	0.00	11	0.00	1
332	Max	0.00	1	0.00	1	0.00	17	0.00	5	0.00	3	0.00	1
332	Min.	0.00	1	0.00	1	0.00	9	0.00	17	0.00	17	0.00	1
333	Max	0.00	1	0.00	1	0.00	11	0.00	11	0.00	3	0.00	1
333	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
334	Max	0.00	1	0.00	1	0.00	18	0.00	13	0.00	1	0.00	1
334	Min.	0.00	1	0.00	1	0.00	1	0.00	17	0.00	17	0.00	1
335	Max	0.00	1	0.00	1	0.00	3	0.00	9	0.00	1	0.00	1
335	Min.	0.00	1	0.00	1	0.00	18	0.00	17	0.00	17	0.00	1
336	Max	0.00	1	0.00	1	0.00	11	0.00	11	0.00	5	0.00	1
336	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
337	Max	0.00	1	0.00	1	0.00	1	0.00	17	0.00	17	0.00	1
337	Min.	0.00	1	0.00	1	0.00	17	0.00	13	0.00	13	0.00	1
338	Max	0.00	1	0.00	1	0.00	18	0.00	17	0.00	18	0.00	1
338	Min.	0.00	1	0.00	1	0.00	17	0.00	13	0.00	1	0.00	1
339	Max	0.00	1	0.00	1	0.00	17	0.00	18	0.00	3	0.00	1
339	Min.	0.00	1	0.00	1	0.00	18	0.00	17	0.00	18	0.00	1
340	Max	0.00	1	0.00	1	0.00	17	0.00	7	0.00	9	0.00	1
340	Min.	0.00	1	0.00	1	0.00	15	0.00	18	0.00	18	0.00	1
341	Max	0.00	1	0.00	1	0.00	15	0.00	5	0.00	15	0.00	1
341	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
342	Max	0.00	1	0.00	1	0.00	18	0.00	17	0.00	1	0.00	1
342	Min.	0.00	1	0.00	1	0.00	17	0.00	13	0.00	18	0.00	1
343	Max	0.00	1	0.00	1	0.00	1	0.00	17	0.00	17	0.00	1
343	Min.	0.00	1	0.00	1	0.00	17	0.00	18	0.00	5	0.00	1
344	Max	0.00	1	0.00	1	0.00	18	0.00	17	0.00	1	0.00	1
344	Min.	0.00	1	0.00	1	0.00	7	0.00	18	0.00	17	0.00	1
345	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	5	0.00	1
345	Min.	0.00	1	0.00	1	0.00	18	0.00	11	0.00	17	0.00	1
346	Max	0.00	1	0.00	1	0.00	7	0.00	18	0.00	17	0.00	1
346	Min.	0.00	1	0.00	1	0.00	18	0.00	17	0.00	9	0.00	1
347	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	18	0.00	1
347	Min.	0.00	1	0.00	1	0.00	9	0.00	11	0.00	17	0.00	1
348	Max	0.00	1	0.00	1	0.00	18	0.00	1	0.00	11	0.00	1
348	Min.	0.00	1	0.00	1	0.00	9	0.00	17	0.00	17	0.00	1
349	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	15	0.00	1
349	Min.	0.00	1	0.00	1	0.00	11	0.00	18	0.00	17	0.00	1
350	Max	0.00	1	0.00	1	0.00	17	0.00	15	0.00	1	0.00	1
350	Min.	0.00	1	0.00	1	0.00	11	0.00	18	0.00	17	0.00	1
351	Max	0.00	1	0.00	1	0.00	17	0.00	9	0.00	3	0.00	1
351	Min.	0.00	1	0.00	1	0.00	5	0.00	17	0.00	17	0.00	1
352	Max	0.00	1	0.00	1	0.00	17	0.00	15	0.00	17	0.00	1
352	Min.	0.00	1	0.00	1	0.00	7	0.00	17	0.00	3	0.00	1
353	Max	0.00	1	0.00	1	0.00	7	0.00	13	0.00	17	0.00	1
353	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	5	0.00	1
354	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	7	0.00	1
354	Min.	0.00	1	0.00	1	0.00	1	0.00	1	0.00	17	0.00	1
355	Max	0.00	1	0.00	1	0.00	17	0.00	11	0.00	9	0.00	1
355	Min.	0.00	1	0.00	1	0.00	9	0.00	17	0.00	17	0.00	1
356	Max	0.00	1	0.00	1	0.00	18	0.00	17	0.00	15	0.00	1
356	Min.	0.00	1	0.00	1	0.00	17	0.00	13	0.00	17	0.00	1
357	Max	0.00	1	0.00	1	0.00	7	0.00	11	0.00	3	0.00	1
357	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	18	0.00	1
358	Max	0.00	1	0.00	1	0.00	11	0.00	17	0.00	18	0.00	1
358	Min.	0.00	1	0.00	1	0.00	17	0.00	13	0.00	17	0.00	1
359	Max	0.00	1	0.00	1	0.00	3	0.00	1	0.00	1	0.00	1
359	Min.	0.00	1	0.00	1	0.00	17	0.00	18	0.00	17	0.00	1
360	Max	0.00	1	0.00	1	0.00	17	0.00	18	0.00	17	0.00	1
360	Min.	0.00	1	0.00	1	0.00	7	0.00	9	0.00	1	0.00	1
361	Max	0.00	1	0.00	1	0.00	18	0.00	5	0.00	9	0.00	1
361	Min.	0.00	1	0.00	1	0.00	3	0.00	17	0.00	17	0.00	1
362	Max	0.00	1	0.00	1	0.00	11	0.00	17	0.00	11	0.00	1
362	Min.	0.00	1	0.00	1	0.00	18	0.00	5	0.00	17	0.00	1
363	Max	0.00	1	0.00	1	0.00	5	0.00	11	0.00	17	0.00	1

363	Min.	0.00	1	0.00	1	0.00	17	0.00	18	0.00	5	0.00	1
364	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	5	0.00	1
364	Min.	0.00	1	0.00	1	0.00	5	0.00	18	0.00	18	0.00	1
365	Max	0.00	1	0.00	1	0.00	1	0.00	9	0.00	18	0.00	1
365	Min.	0.00	1	0.00	1	0.00	18	0.00	18	0.00	15	0.00	1
366	Max	0.00	1	0.00	1	0.00	5	0.00	5	0.00	17	0.00	1
366	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	9	0.00	1
367	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	9	0.00	1
367	Min.	0.00	1	0.00	1	0.00	9	0.00	5	0.00	17	0.00	1
368	Max	0.00	1	0.00	1	0.00	17	0.00	9	0.00	5	0.00	1
368	Min.	0.00	1	0.00	1	0.00	11	0.00	18	0.00	17	0.00	1
369	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
369	Min.	0.00	1	0.00	1	0.00	13	0.00	15	0.00	13	0.00	1
370	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	18	0.00	1
370	Min.	0.00	1	0.00	1	0.00	1	0.00	7	0.00	13	0.00	1
371	Max	0.00	1	0.00	1	0.00	17	0.00	3	0.00	13	0.00	1
371	Min.	0.00	1	0.00	1	0.00	1	0.00	17	0.00	18	0.00	1
372	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
372	Min.	0.00	1	0.00	1	0.00	18	0.00	7	0.00	5	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	Nodo		σ_t <daN/cmq>	CC	Nodo		σ_t <daN/cmq>	CC	Nodo		σ_t <daN/cmq>	CC
-55	Max	1.58	17	-55	Min.	1.14	5	-54	Max	1.62	17	-54	Min.	1.14	5
-53	Max	1.64	17	-53	Min.	1.14	11	-52	Max	1.65	17	-52	Min.	1.14	11
-51	Max	1.65	17	-51	Min.	1.14	11	-50	Max	1.63	17	-50	Min.	1.14	9
-49	Max	1.59	17	-49	Min.	1.14	9	-48	Max	1.55	17	-48	Min.	1.14	1
-47	Max	1.50	17	-47	Min.	1.14	1	-46	Max	1.45	17	-46	Min.	1.12	18
-45	Max	1.41	17	-45	Min.	1.09	18	-44	Max	1.37	17	-44	Min.	1.06	18
-43	Max	1.35	17	-43	Min.	1.05	18	-42	Max	1.34	17	-42	Min.	1.04	18
-41	Max	1.35	17	-41	Min.	1.04	18	-40	Max	1.37	17	-40	Min.	1.06	18
-39	Max	1.40	17	-39	Min.	1.08	18	-38	Max	1.44	17	-38	Min.	1.11	18
-37	Max	1.49	17	-37	Min.	1.14	7	-1	Max	1.54	17	-1	Min.	1.14	7
1	Max	1.50	17	1	Min.	1.15	1	2	Max	1.56	17	2	Min.	1.13	7
249	Max	1.49	17	249	Min.	1.13	7	250	Max	1.42	17	250	Min.	1.09	18
251	Max	1.36	17	251	Min.	1.05	18	252	Max	1.31	17	252	Min.	1.02	18
253	Max	1.28	17	253	Min.	1.00	18	254	Max	1.28	17	254	Min.	1.00	18
255	Max	1.29	17	255	Min.	1.01	18	256	Max	1.32	17	256	Min.	1.03	18
257	Max	1.37	17	257	Min.	1.06	18	258	Max	1.43	17	258	Min.	1.10	18
259	Max	1.50	17	259	Min.	1.13	1	260	Max	1.57	17	260	Min.	1.13	1
261	Max	1.63	17	261	Min.	1.13	9	262	Max	1.68	17	262	Min.	1.13	9
263	Max	1.71	17	263	Min.	1.13	11	264	Max	1.71	17	264	Min.	1.13	11
265	Max	1.70	17	265	Min.	1.13	11	266	Max	1.67	17	266	Min.	1.13	5
267	Max	1.62	17	267	Min.	1.13	5	273	Max	1.59	17	273	Min.	1.13	7
274	Max	1.62	17	274	Min.	1.12	7	275	Max	1.65	17	275	Min.	1.11	7
276	Max	1.68	17	276	Min.	1.10	7	277	Max	1.71	17	277	Min.	1.10	7
278	Max	1.48	17	278	Min.	1.13	7	279	Max	1.37	17	279	Min.	1.06	18
280	Max	1.28	17	280	Min.	1.00	18	281	Max	1.21	17	281	Min.	0.95	18
282	Max	1.16	17	282	Min.	0.92	18	283	Max	1.16	11	283	Min.	0.91	18
284	Max	1.17	17	284	Min.	0.93	18	285	Max	1.22	17	285	Min.	0.96	18
286	Max	1.30	17	286	Min.	1.01	18	287	Max	1.40	17	287	Min.	1.08	18
288	Max	1.50	17	288	Min.	1.13	1	289	Max	1.61	17	289	Min.	1.13	1
290	Max	1.70	17	290	Min.	1.13	9	291	Max	1.78	17	291	Min.	1.13	9
292	Max	1.82	17	292	Min.	1.13	11	293	Max	1.84	17	293	Min.	1.13	11
294	Max	1.82	17	294	Min.	1.13	11	295	Max	1.76	17	295	Min.	1.13	5
296	Max	1.68	17	296	Min.	1.13	5	297	Max	1.47	17	297	Min.	1.12	7
298	Max	1.33	17	298	Min.	1.03	18	299	Max	1.20	17	299	Min.	0.95	18
300	Max	1.16	9	300	Min.	0.88	18	301	Max	1.16	11	301	Min.	0.84	18
302	Max	1.16	11	302	Min.	0.83	18	303	Max	1.16	11	303	Min.	0.85	18
304	Max	1.16	5	304	Min.	0.89	18	305	Max	1.23	17	305	Min.	0.97	18
306	Max	1.36	17	306	Min.	1.05	18	307	Max	1.50	17	307	Min.	1.12	1
308	Max	1.65	17	308	Min.	1.12	1	309	Max	1.78	17	309	Min.	1.12	9
310	Max	1.87	17	310	Min.	1.12	9	311	Max	1.94	17	311	Min.	1.12	11
312	Max	1.95	17	312	Min.	1.12	11	313	Max	1.93	17	313	Min.	1.12	11
314	Max	1.86	17	314	Min.	1.12	5	315	Max	1.75	17	315	Min.	1.12	5
316	Max	1.47	17	316	Min.	1.11	7	317	Max	1.29	17	317	Min.	1.00	18
318	Max	1.16	9	318	Min.	0.90	18	319	Max	1.16	9	319	Min.	0.81	18
320	Max	1.16	11	320	Min.	0.76	18	321	Max	1.16	11	321	Min.	0.75	18
322	Max	1.16	11	322	Min.	0.77	18	323	Max	1.16	5	323	Min.	0.83	18
324	Max	1.16	5	324	Min.	0.92	18	325	Max	1.32	17	325	Min.	1.03	18
326	Max	1.51	17	326	Min.	1.11	1	327	Max	1.69	17	327	Min.	1.11	1
328	Max	1.85	17	328	Min.	1.11	9	329	Max	1.97	17	329	Min.	1.11	9
330	Max	2.05	17	330	Min.	1.11	11	331	Max	2.07	17	331	Min.	1.11	11

332	Max	2.04	17	332	Min.	1.11	11	333	Max	1.95	17	333	Min.	1.11	5
334	Max	1.81	17	334	Min.	1.11	5	335	Max	1.46	17	335	Min.	1.10	7
336	Max	1.24	17	336	Min.	0.97	18	337	Max	1.16	9	337	Min.	0.85	18
338	Max	1.17	9	338	Min.	0.75	18	339	Max	1.17	11	339	Min.	0.68	18
340	Max	1.17	11	340	Min.	0.67	18	341	Max	1.16	11	341	Min.	0.69	18
342	Max	1.16	5	342	Min.	0.76	18	343	Max	1.17	5	343	Min.	0.87	18
344	Max	1.29	17	344	Min.	1.01	18	345	Max	1.51	17	345	Min.	1.10	1
346	Max	1.72	17	346	Min.	1.10	1	347	Max	1.92	17	347	Min.	1.10	9
348	Max	2.07	17	348	Min.	1.10	9	349	Max	2.16	17	349	Min.	1.10	11
350	Max	2.19	17	350	Min.	1.10	11	351	Max	2.15	17	351	Min.	1.10	11
352	Max	2.04	17	352	Min.	1.10	5	353	Max	1.88	17	353	Min.	1.10	5
354	Max	1.45	17	354	Min.	1.09	7	355	Max	1.20	17	355	Min.	0.95	18
356	Max	1.17	9	356	Min.	0.79	18	357	Max	1.17	9	357	Min.	0.68	18
358	Max	1.17	11	358	Min.	0.60	18	359	Max	1.17	11	359	Min.	0.58	18
360	Max	1.17	11	360	Min.	0.62	18	361	Max	1.17	5	361	Min.	0.70	18
362	Max	1.17	5	362	Min.	0.83	18	363	Max	1.25	17	363	Min.	0.98	18
364	Max	1.51	17	364	Min.	1.09	1	365	Max	1.76	17	365	Min.	1.10	1
366	Max	1.99	17	366	Min.	1.10	9	367	Max	2.17	17	367	Min.	1.09	9
368	Max	2.27	17	368	Min.	1.10	11	369	Max	2.31	17	369	Min.	1.09	11
370	Max	2.26	17	370	Min.	1.10	11	371	Max	2.13	17	371	Min.	1.10	5
372	Max	1.94	17	372	Min.	1.09	5								

Sollecitazioni aste

Simbologia

Asta = Numero dell'asta
N1 = Nodo1
N2 = Nodo2
X = Coordinata progressiva rispetto al nodo iniziale
N = Sforzo normale
CC = Numero della combinazione delle condizioni di carico elementari
Ty = Taglio in dir. Y
Mz = Momento flettente intorno all'asse Z
Tz = Taglio in dir. Z
My = Momento flettente intorno all'asse Y
Mx = Momento torcente intorno all'asse X

Asta	N1	N2		X <cm>	N <daN>	CC	Ty <daN>	CC	Mz <daNm>	CC	Tz <daN>	CC	My <daNm>	CC	Mx <daNm>	CC
0	116	-118	Max	0.00	-369465.00	1	152270.00	17	624649.00	9	33150.00	17	624649.00	5	211200.00	17
0	116	-118	Max	125.00	-364727.00	1	152270.00	17	615688.00	9	33150.00	17	615688.00	5	211200.00	17
0	116	-118	Min.	0.00	-506904.00	17	-7169.29	9	-13746100.00	17	-7169.29	5	-4103700.00	17	0.00	1
0	116	-118	Min.	125.00	-500745.00	17	-7169.29	9	-13555800.00	17	-7169.29	5	-4062260.00	17	0.00	1
0	-118	268	Max	0.00	-364727.00	1	151026.00	17	615688.00	9	33150.00	17	615688.00	5	211200.00	17
0	-118	268	Max	125.00	-359989.00	1	151026.00	17	606751.00	9	33150.00	17	606751.00	5	211200.00	17
0	-118	268	Min.	0.00	-500745.00	17	-7149.44	9	-13555800.00	17	-7149.44	5	-4062260.00	17	0.00	1
0	-118	268	Min.	125.00	-494586.00	17	-7149.44	9	-13367000.00	17	-7149.44	5	-4020830.00	17	0.00	1
0	268	-119	Max	0.00	-359989.00	1	151026.00	17	606751.00	9	33150.00	17	606751.00	5	211200.00	17
0	268	-119	Max	125.00	-355251.00	1	151026.00	17	597841.00	9	33150.00	17	597841.00	5	211200.00	17
0	268	-119	Min.	0.00	-494586.00	17	-7128.19	9	-13367000.00	17	-7128.19	5	-4020830.00	17	0.00	1
0	268	-119	Min.	125.00	-488426.00	17	-7128.19	9	-13178200.00	17	-7128.19	5	-3979390.00	17	0.00	1
0	-119	269	Max	0.00	-355251.00	1	149733.00	17	597841.00	9	33150.00	17	597841.00	5	211200.00	17
0	-119	269	Max	125.00	-350513.00	1	149733.00	17	588959.00	9	33150.00	17	588959.00	5	211200.00	17
0	-119	269	Min.	0.00	-488426.00	17	-7105.55	9	-13178200.00	17	-7105.55	5	-3979390.00	17	0.00	1
0	-119	269	Min.	125.00	-482267.00	17	-7105.55	9	-12991100.00	17	-7105.55	5	-3937950.00	17	0.00	1
0	269	-120	Max	0.00	-350513.00	1	149733.00	17	588959.00	9	33150.00	17	588959.00	5	211200.00	17
0	269	-120	Max	124.00	-345813.00	1	149733.00	17	580178.00	9	33150.00	17	580178.00	5	211200.00	17
0	269	-120	Min.	0.00	-482267.00	17	-7081.61	9	-12991100.00	17	-7081.61	5	-3937950.00	17	0.00	1
0	269	-120	Min.	124.00	-476157.00	17	-7081.61	9	-12805400.00	17	-7081.61	5	-3896850.00	17	0.00	1
0	-120	270	Max	0.00	-345813.00	1	148406.00	17	580178.00	9	33150.00	17	580178.00	5	211200.00	17
0	-120	270	Max	124.00	-341113.00	1	148406.00	17	571428.00	9	33150.00	17	571428.00	5	211200.00	17
0	-120	270	Min.	0.00	-476157.00	17	-7056.40	9	-12805400.00	17	-7056.40	5	-3896850.00	17	0.00	1
0	-120	270	Min.	124.00	-470047.00	17	-7056.40	9	-12621400.00	17	-7056.40	5	-3855740.00	17	0.00	1
0	270	-121	Max	0.00	-341113.00	1	148406.00	17	571428.00	9	33150.00	17	571428.00	5	211200.00	17
0	270	-121	Max	120.00	-336565.00	1	148406.00	17	562991.00	9	33150.00	17	562991.00	5	211200.00	17
0	270	-121	Min.	0.00	-470047.00	17	-7030.24	9	-12621400.00	17	-7030.24	5	-3855740.00	17	0.00	1
0	270	-121	Min.	120.00	-464134.00	17	-7030.24	9	-12443300.00	17	-7030.24	5	-3815960.00	17	0.00	1
0	-121	271	Max	0.00	-336565.00	1	147084.00	17	562991.00	9	33150.00	17	562991.00	5	211200.00	17
0	-121	271	Max	120.00	-332016.00	1	147084.00	17	554587.00	9	33150.00	17	554587.00	5	211200.00	17
0	-121	271	Min.	0.00	-464134.00	17	-7003.22	9	-12443300.00	17	-7003.22	5	-3815960.00	17	0.00	1
0	-121	271	Min.	120.00	-458221.00	17	-7003.22	9	-12266800.00	17	-7003.22	5	-3776180.00	17	0.00	1
0	271	-122	Max	0.00	-332016.00	1	147084.00	17	554587.00	9	33150.00	17	554587.00	5	211200.00	17
0	271	-122	Max	120.00	-327468.00	1	147084.00	17	546218.00	9	33150.00	17	546218.00	5	211200.00	17
0	271	-122	Min.	0.00	-458221.00	17	-6974.92	9	-12266800.00	17	-6974.92	5	-3776180.00	17	0.00	1
0	271	-122	Min.	120.00	-452308.00	17	-6974.92	9	-12090300.00	17	-6974.92	5	-3736400.00	17	0.00	1
0	-122	272	Max	0.00	-327468.00	1	145730.00	17	546218.00	9	33150.00	17	546218.00	5	211200.00	17
0	-122	272	Max	120.00	-322919.00	1	145730.00	17	537883.00	9	33150.00	17	537883.00	5	211200.00	17
0	-122	272	Min.	0.00	-452308.00	17	-6945.33	9	-12090300.00	17	-6945.33	5	-3736400.00	17	0.00	1
0	-122	272	Min.	120.00	-446395.00	17	-6945.33	9	-11915400.00	17	-6945.33	5	-3696620.00	17	0.00	1
0	272	-123	Max	0.00	-322919.00	1	145730.00	17	537883.00	9	33150.00	17	537883.00	5	211200.00	17
0	272	-123	Max	120.00	-318371.00	1	145730.00	17	529586.00	9	33150.00	17	529586.00	5	211200.00	17
0	272	-123	Min.	0.00	-446395.00	17	-6914.45	9	-11915400.00	17	-6914.45	5	-3696620.00	17	0.00	1
0	272	-123	Min.	120.00	-440482.00	17	-6914.45	9	-11740500.00	17	-6914.45	5	-3656840.00	17	0.00	1
0	-123	-117	Max	0.00	-318371.00	1	144345.00	17	529586.00	9	33150.00	17	529586.00	5	211200.00	17
0	-123	-117	Max	120.00	-313823.00	1	144345.00	17	521327.00	9	33150.00	17	521327.00	5	211200.00	17
0	-123	-117	Min.	0.00	-440482.00	17	-6882.29	9	-11740500.00	17	-6882.29	5	-3656840.00	17	0.00	1
0	-123	-117	Min.	120.00	-434569.00	17	-6882.29	9	-11567300.00	17	-6882.29	5	-3617060.00	17	0.00	1
0	-117	-111	Max	0.00	-313823.00	1	144158.00	17	521327.00	9	33150.00	17	521327.00	5	211200.00	17
0	-117	-111	Max	125.00	-309351.00	1	144158.00	17	512766.00	9	33150.00	17	512766.00	5	211200.00	17
0	-117	-111	Min.	0.00	-434569.00	17	-6849.13	9	-11567300.00	17	-6849.13	5	-3617060.00	17	0.00	1
0	-117	-111	Min.	125.00	-428756.00	17	-6849.13	9	-11387100.00	17	-6849.13	5	-3575620.00	17	0.00	1
10	110	-116	Max	0.00	-429796.00	1	157611.00	17	717785.00	9	33150.00	17	717785.00	5	211200.00	17
10	110	-116	Max	128.50	-422920.00	1	157611.00	17	708389.00	9	33150.00	17	708389.00	5	211200.00	17
10	110	-116	Min.	0.00	-585335.00	17	-7312.17	9	-15738000.00	17	-7312.17	5	-4529180.00	17	0.00	1

10	110	-116	Min.	128.50	-576396.00	17	-7312.17	9	-15535500.00	17	-7312.17	5	-4486590.00	17	0.00	1
10	-116	112	Max	0.00	-422920.00	1	156726.00	17	708389.00	9	33150.00	17	708389.00	5	211200.00	17
10	-116	112	Max	128.50	-416044.00	1	156726.00	17	699003.00	9	33150.00	17	699003.00	5	211200.00	17
10	-116	112	Min.	0.00	-576396.00	17	-7304.09	9	-15535500.00	17	-7304.09	5	-4486580.00	17	0.00	1
10	-116	112	Min.	128.50	-567457.00	17	-7304.09	9	-15334100.00	17	-7304.09	5	-4443990.00	17	0.00	1
10	112	-115	Max	0.00	-416044.00	1	156726.00	17	699003.00	9	33150.00	17	699003.00	5	211200.00	17
10	112	-115	Max	146.50	-408205.00	1	156726.00	17	688319.00	9	33150.00	17	688319.00	5	211200.00	17
10	112	-115	Min.	0.00	-567457.00	17	-7293.23	9	-15334100.00	17	-7293.23	5	-4443990.00	17	0.00	1
10	112	-115	Min.	146.50	-557267.00	17	-7293.23	9	-15104500.00	17	-7293.23	5	-4395420.00	17	0.00	1
10	-115	113	Max	0.00	-408205.00	1	155658.00	17	688319.00	9	33150.00	17	688319.00	5	211200.00	17
10	-115	113	Max	146.50	-400366.00	1	155658.00	17	677655.00	9	33150.00	17	677655.00	5	211200.00	17
10	-115	113	Min.	0.00	-557267.00	17	-7278.94	9	-15104500.00	17	-7278.94	5	-4395420.00	17	0.00	1
10	-115	113	Min.	146.50	-547076.00	17	-7278.94	9	-14876500.00	17	-7278.94	5	-4346860.00	17	0.00	1
10	113	-114	Max	0.00	-400366.00	1	155658.00	17	677655.00	9	33150.00	17	677655.00	5	211200.00	17
10	113	-114	Max	75.00	-396353.00	1	155658.00	17	672206.00	9	33150.00	17	672206.00	5	211200.00	17
10	113	-114	Min.	0.00	-547076.00	17	-7266.10	9	-14876500.00	17	-7266.10	5	-4346860.00	17	0.00	1
10	113	-114	Min.	75.00	-541859.00	17	-7266.10	9	-14759700.00	17	-7266.10	5	-4322000.00	17	0.00	1
10	-114	114	Max	0.00	-396353.00	1	155061.00	17	672206.00	9	33150.00	17	672206.00	5	211200.00	17
10	-114	114	Max	75.00	-392340.00	1	155061.00	17	666763.00	9	33150.00	17	666763.00	5	211200.00	17
10	-114	114	Min.	0.00	-541859.00	17	-7256.69	9	-14759700.00	17	-7256.69	5	-4322000.00	17	0.00	1
10	-114	114	Min.	75.00	-536642.00	17	-7256.69	9	-14643400.00	17	-7256.69	5	-4297130.00	17	0.00	1
10	114	-113	Max	0.00	-392340.00	1	155061.00	17	666763.00	9	33150.00	17	666763.00	5	211200.00	17
10	114	-113	Max	145.25	-384567.00	1	155061.00	17	656241.00	9	33150.00	17	656241.00	5	211200.00	17
10	114	-113	Min.	0.00	-536642.00	17	-7244.22	9	-14643400.00	17	-7244.22	5	-4297130.00	17	0.00	1
10	114	-113	Min.	145.25	-526538.00	17	-7244.22	9	-14418200.00	17	-7244.22	5	-4248980.00	17	0.00	1
10	-113	115	Max	0.00	-386455.00	1	153809.00	17	656241.00	9	33150.00	17	656241.00	5	211200.00	17
10	-113	115	Max	145.25	-378683.00	1	153809.00	17	645743.00	9	33150.00	17	645743.00	5	211200.00	17
10	-113	115	Min.	0.00	-528992.00	17	-7227.37	9	-14418200.00	17	-7227.37	5	-4248980.00	17	0.00	1
10	-113	115	Min.	145.25	-518888.00	17	-7227.37	9	-14194800.00	17	-7227.37	5	-4200830.00	17	0.00	1
10	115	-112	Max	0.00	-380570.00	1	153809.00	17	645743.00	9	33150.00	17	645743.00	5	211200.00	17
10	115	-112	Max	146.50	-375018.00	1	153809.00	17	635182.00	9	33150.00	17	635182.00	5	211200.00	17
10	115	-112	Min.	0.00	-521342.00	17	-7209.04	9	-14194800.00	17	-7209.04	5	-4200830.00	17	0.00	1
10	115	-112	Min.	146.50	-514123.00	17	-7209.04	9	-13969500.00	17	-7209.04	5	-4152270.00	17	0.00	1
10	-112	116	Max	0.00	-375018.00	1	152439.00	17	635182.00	9	33150.00	17	635182.00	5	211200.00	17
10	-112	116	Max	146.50	-369465.00	1	152439.00	17	624649.00	9	33150.00	17	624649.00	5	211200.00	17
10	-112	116	Min.	0.00	-514123.00	17	-7189.33	9	-13969500.00	17	-7189.33	5	-4152270.00	17	0.00	1
10	-112	116	Min.	146.50	-506904.00	17	-7189.33	9	-13746100.00	17	-7189.33	5	-4103700.00	17	0.00	1
10	-111	117	Max	0.00	-309351.00	1	142682.00	17	512766.00	9	33150.00	17	512766.00	5	211200.00	17
10	-111	117	Max	125.00	-304879.00	1	142682.00	17	504247.00	9	33150.00	17	504247.00	5	211200.00	17
10	-111	117	Min.	0.00	-428756.00	17	-6814.93	9	-11387100.00	17	-6814.93	5	-3575620.00	17	0.00	1
10	-111	117	Min.	125.00	-422943.00	17	-6814.93	9	-11208800.00	17	-6814.93	5	-3534180.00	17	0.00	1
10	117	-110	Max	0.00	-304879.00	1	142682.00	17	504247.00	9	33150.00	17	504247.00	5	211200.00	17
10	117	-110	Max	130.00	-300405.00	1	142682.00	17	495434.00	9	33150.00	17	495434.00	5	211200.00	17
10	117	-110	Min.	0.00	-422943.00	17	-6779.40	9	-11208800.00	17	-6779.40	5	-3534180.00	17	0.00	1
10	117	-110	Min.	130.00	-417126.00	17	-6779.40	9	-11023300.00	17	-6779.40	5	-3491090.00	17	0.00	1
10	-110	118	Max	0.00	-300405.00	1	141117.00	17	495434.00	9	33150.00	17	495434.00	5	211200.00	17
10	-110	118	Max	130.00	-295930.00	1	141117.00	17	486668.00	9	33150.00	17	486668.00	5	211200.00	17
10	-110	118	Min.	0.00	-417126.00	17	-6742.50	9	-11023300.00	17	-6742.50	5	-3491090.00	17	0.00	1
10	-110	118	Min.	130.00	-411310.00	17	-6742.50	9	-10839800.00	17	-6742.50	5	-3447990.00	17	0.00	1
10	118	-109	Max	0.00	-295930.00	1	141117.00	17	486669.00	9	33150.00	17	486669.00	5	211200.00	17
10	118	-109	Max	132.00	-291579.00	1	141117.00	17	477818.00	9	33150.00	17	477818.00	5	211200.00	17
10	118	-109	Min.	0.00	-411310.00	17	-6704.75	9	-10839800.00	17	-6704.75	5	-3447990.00	17	0.00	1
10	118	-109	Min.	132.00	-405653.00	17	-6704.75	9	-10653600.00	17	-6704.75	5	-3404240.00	17	0.00	1
10	-109	119	Max	0.00	-291579.00	1	139500.00	17	477818.00	9	33150.00	17	477818.00	5	211200.00	17
10	-109	119	Max	132.00	-287228.00	1	139500.00	17	469019.00	9	33150.00	17	469019.00	5	211200.00	17
10	-109	119	Min.	0.00	-405653.00	17	-6666.17	9	-10653600.00	17	-6666.17	5	-3404240.00	17	0.00	1
10	-109	119	Min.	132.00	-399996.00	17	-6666.17	9	-10469400.00	17	-6666.17	5	-3360480.00	17	0.00	1
10	119	-108	Max	0.00	-287228.00	1	139500.00	17	469019.00	9	33150.00	17	469019.00	5	211200.00	17
10	119	-108	Max	135.00	-283001.00	1	139500.00	17	460073.00	9	33150.00	17	460073.00	5	211200.00	17
10	119	-108	Min.	0.00	-399996.00	17	-6626.81	9	-10469400.00	17	-6626.81	5	-3360480.00	17	0.00	1
10	119	-108	Min.	135.00	-394501.00	17	-6626.81	9	-10281100.00	17	-6626.81	5	-3315730.00	17	0.00	1
10	-108	120	Max	0.00	-283001.00	1	137819.00	17	460073.00	9	33150.00	17	460073.00	5	211200.00	17
10	-108	120	Max	135.00	-278773.00	1	137819.00	17	451181.00	9	33150.00	17	451181.00	5	211200.00	17
10	-108	120	Min.	0.00	-394501.00	17	-6586.67	9	-10281100.00	17	-6586.67	5	-3315730.00	17	0.00	1
10	-108	120	Min.	135.00	-389005.00	17	-6586.67	9	-10095000.00	17	-6586.67	5	-3270970.00	17	0.00	1
10	120	-107	Max	0.00	-278773.00	1	137819.00	17	451181.00	9	33150.00	17	451181.00	5	211200.00	17
10	120	-107	Max	135.00	-274782.00	1	137819.00	17	442343.00	9	33150.00	17	442343.00	5	211200.00	17
10	120	-107	Min.	0.00	-389005.00	17	-6546.35	9	-10095000.00	17	-6546.35	5	-3270970.00	17	0.00	1
10	120	-107	Min.	135.00	-383816.00	17	-6546.35	9	-9908980.00	17	-6546.35	5	-3226220.00	17	0.00	1
10	-107	121	Max	0.00	-274782.00	1	136110.00	17	442343.00	9	33150.00	17	442343.00	5	211200.00	17
10	-107	121	Max	135.00	-270790.00	1	136110.00	17	433560.00	9	33150.00	17	433560.00	5	211200.00	17
10	-107	121	Min.	0.00	-383816.00	17	-6505.91	9	-9908980.00	17	-6505.91	5	-3226220.00	17	0.00	1
10	-107	121	Min.	135.00	-378627.00	17	-6505.91	9	-9725230.00	17	-6505.91	5	-3181470.00	17	0.00	1
10	121	-106	Max	0.00	-270790.00	1	136110.00	17	433560.00	9	33150.00	17	433560.00	5	211200.00	17
10	121	-106	Max	146.50	-266673.00	1	136110.00	17	424091.00	9	33150.00	17	424091.00	5	211200.00	17
10	121	-106	Min.	0.00	-378628.00	17	-6463.54	9	-9725240.00	17	-6463.54	5	-3181470.00	17	0.00	1
10	121	-106	Min.	146.50	-373274.00	17	-6463.54	9	-9525830.00	17	-6463.54	5	-3132900.00	17	0.00	1
10	-106	122	Max	0.00	-266673.00	1	134229.00	17	424091.00	9	33150.00	17	424091.00	5	211200.00	17
10	-106	122	Max	146.50	-262555.00	1	134229.00	17	414687.00	9	33150.00	17	414687.00	5	211200.00	17
10	-106	122	Min.	0.00	-373274.00	17	-6419.10	9	-9525830.00	17	-6419.10	5	-3132900.00	17	0.00	1
10	-106	122	Min.	146.50	-367921.00	17	-6419.10	9	-9329190.00	17	-6419.10	5	-3084340.00	17	0.00	1
10	122	-105	Max	0.00	-262555.00	1	134229.00	17	414687.00	9	33150.00	17	414687.00	5	211200.00	17
10	122	-105	Max	146.50	-258579.00	1	134229.00	17	405349.00	9	33150.00	17	405349.00	5	211200.00	17
10	122	-105	Min.	0.00	-367921.00	17	-6374.02	9	-9329190.00	17	-6374.02	5	-3084340.00	17	0.00	1
10	122	-105	Min.	146.50	-362753.00	17	-6374.02	9	-9132540.00	17	-6374.02	5	-3035770.00	17	0.00	1
10	-105	123	Max	0.00	-258579.00	1	132320.00	17	405349.00	9	33150.00	17	405349.00	5	211200.00	17
10	-105	123	Max	146.50	-254604.00	1	132320.00	17	396078.00	9	33150.00	17	396078.00	5	211200.00	17
10	-105	123	Min.	0.00	-362753.00	17	-6328.37	9	-9132540.00	17	-6328.37	5	-3035780.00	17	0.00	1
10	-105	123	Min.	146.50	-357585.00	17	-6328.37	9	-8938700.00	17	-6328.37	5	-2987210.00	17	0.00	1
10	123	-104	Max	0.00	-254604.00	1	132129.00	17	396078.00	9	33150.00	17	396078.00	5	211200.00	17
10	123	-104	Max	145.55	-250590.00	1	132129.00	17	386936.00	9	33150.00	17	386936.00	5	211200.00	17
10	123	-104	Min.	0.00	-357585.00	17	-6281.11	9	-8938700.00	17	-6281.11	5	-2987210.00	17	0.00	1
10	123	-104	Min.	145.55	-352366.00	17	-6281.11	9	-8746380.00	17	-6281.11	5	-2938960.00	17	0.00	1
10	-104	124	Max	0.00	-250590.00	1	130208.00	17	386936.00	9	33150.00	17	386936.00	5	211200.00	17
10	-104	124	Max	145.55	-246575.00	1	130208.00	17	377865.00	9	33150.00	17	377865.00	5	211200.00	17
10	-104	124	Min.	0.00	-352366.00	17	-6232.25	9	-8746380.00	17	-6232.25	5	-2938960.00	17	0.00	1
10	-104	124	Min.	145.55	-347148.00	17	-6232.25	9	-8556870.00	17	-6232.25	5	-2890710.00	17	0.00	1
10	124	-103	Max	0.00	-246575.00	1	130208.00	17	377865.00	9	33150.00	17	377865.00	5	211200.00	17
10	124	-103	Max	145.55	-242883.00	1	130208.00	17	368864.00	9	33150.00	17	368864.00	5	211200.00	17
10	124	-103	Min.	0.00	-347148.00	17	-6184.03	9	-8556860.00	17	-6184.03	5	-2890710.00	17	0.00	1
10	124	-103	Min.	145.55	-342348.00	17	-6184.03	9	-8367350.00	17	-6184.03	5	-2842460.00	17	0.00	1
10	-103	125	Max	0.00	-242883.00	1	128268.00	17	368864.00	9	33150.00	17	368864.00	5	211200.00	17
10	-103	125	Max	145.55	-239191.00	1	128268.00	17	359932.00	9	33150.00	17	359932.00	5	211200.00	17
10	-103	125	Min.	0.00	-342348.00	17	-6136.56	9	-8367350.00	17	-6136.56	5	-2842460.00	17	0.00	1
10	-103	125	Min.	145.55	-337549.00	17	-6136.56	9	-8180650.00	17	-6136.56	5	-2794210.00	17	0.00	1

10	125	-102	Max	0.00	-239191.00	1	128268.00	17	359932.00	9	33150.00	17	359932.00	5	211200.00	17
10	125	-102	Max	145.55	-235607.00	1	128268.00	17	351070.00	9	33150.00	17	351070.00	5	211200.00	17
10	125	-102	Min.	0.00	-337549.00	17	-6088.53	9	-8180650.00	17	-6088.53	5	-2794210.00	17	0.00	1
10	125	-102	Min.	145.55	-332889.00	17	-6088.53	9	-7993960.00	17	-6088.53	5	-2745960.00	17	0.00	1
10	-102	126	Max	0.00	-235607.00	1	126311.00	17	351070.00	9	33150.00	17	351070.00	5	211200.00	17
10	-102	126	Max	145.55	-232023.00	1	126311.00	17	342279.00	9	33150.00	17	342279.00	5	211200.00	17
10	-102	126	Min.	0.00	-332889.00	17	-6039.99	9	-7993960.00	17	-6039.99	5	-2745960.00	17	0.00	1
10	-102	126	Min.	145.55	-328230.00	17	-6039.99	9	-7810110.00	17	-6039.99	5	-2697710.00	17	0.00	1
10	126	-101	Max	0.00	-232023.00	1	126311.00	17	342279.00	9	33150.00	17	342279.00	5	211200.00	17
10	126	-101	Max	145.55	-228520.00	1	126311.00	17	333560.00	9	33150.00	17	333560.00	5	211200.00	17
10	126	-101	Min.	0.00	-328230.00	17	-5990.78	9	-7810110.00	17	-5990.78	5	-2697710.00	17	0.00	1
10	126	-101	Min.	145.55	-323676.00	17	-5990.78	9	-7626270.00	17	-5990.78	5	-2649460.00	17	0.00	1
10	-101	127	Max	0.00	-228520.00	1	124337.00	17	333560.00	9	33150.00	17	333560.00	5	211200.00	17
10	-101	127	Max	145.55	-225017.00	1	124337.00	17	324913.00	9	33150.00	17	324913.00	5	211200.00	17
10	-101	127	Min.	0.00	-323676.00	17	-5940.93	9	-7626270.00	17	-5940.93	5	-2649460.00	17	0.00	1
10	-101	127	Min.	145.55	-319122.00	17	-5940.93	9	-7445300.00	17	-5940.93	5	-2601210.00	17	0.00	1
10	127	-100	Max	0.00	-225017.00	1	124337.00	17	324913.00	9	33150.00	17	324913.00	5	211200.00	17
10	127	-100	Max	145.55	-221496.00	1	124337.00	17	316340.00	9	33150.00	17	316340.00	5	211200.00	17
10	127	-100	Min.	0.00	-319122.00	17	-5889.76	9	-7445300.00	17	-5889.76	5	-2601210.00	17	0.00	1
10	127	-100	Min.	145.55	-314545.00	17	-5889.76	9	-7264330.00	17	-5889.76	5	-2552960.00	17	0.00	1
10	-100	128	Max	0.00	-221496.00	1	122349.00	17	316340.00	9	33150.00	17	316340.00	5	211200.00	17
10	-100	128	Max	145.55	-217976.00	1	122349.00	17	307844.00	9	33150.00	17	307844.00	5	211200.00	17
10	-100	128	Min.	0.00	-314545.00	17	-5837.25	9	-7264320.00	17	-5837.25	5	-2552960.00	17	0.00	1
10	-100	128	Min.	145.55	-309969.00	17	-5837.25	9	-7086250.00	17	-5837.25	5	-2504710.00	17	0.00	1
10	128	-99	Max	0.00	-217976.00	1	122349.00	17	307844.00	9	33150.00	17	307844.00	5	211200.00	17
10	128	-99	Max	145.55	-214690.00	1	122349.00	17	299423.00	9	33150.00	17	299423.00	5	211200.00	17
10	128	-99	Min.	0.00	-309969.00	17	-5785.33	9	-7086250.00	17	-5785.33	5	-2504710.00	17	0.00	1
10	128	-99	Min.	145.55	-305697.00	17	-5785.33	9	-6908170.00	17	-5785.33	5	-2456460.00	17	0.00	1
10	-99	129	Max	0.00	-214690.00	1	120347.00	17	299423.00	9	33150.00	17	299423.00	5	211200.00	17
10	-99	129	Max	145.55	-211403.00	1	120347.00	17	291077.00	9	33150.00	17	291077.00	5	211200.00	17
10	-99	129	Min.	0.00	-305697.00	17	-5734.05	9	-6908170.00	17	-5734.05	5	-2456460.00	17	0.00	1
10	-99	129	Min.	145.55	-301424.00	17	-5734.05	9	-6733000.00	17	-5734.05	5	-2408210.00	17	0.00	1
10	129	-98	Max	0.00	-211403.00	1	120347.00	17	291078.00	9	33150.00	17	291078.00	5	211200.00	17
10	129	-98	Max	145.55	-208223.00	1	120347.00	17	282807.00	9	33150.00	17	282807.00	5	211200.00	17
10	129	-98	Min.	0.00	-301424.00	17	-5682.50	9	-6733000.00	17	-5682.50	5	-2408210.00	17	0.00	1
10	129	-98	Min.	145.55	-297290.00	17	-5682.50	9	-6557840.00	17	-5682.50	5	-2359960.00	17	0.00	1
10	-98	130	Max	0.00	-208223.00	1	118332.00	17	282807.00	9	33150.00	17	282807.00	5	211200.00	17
10	-98	130	Max	145.55	-205042.00	1	118332.00	17	274611.00	9	33150.00	17	274611.00	5	211200.00	17
10	-98	130	Min.	0.00	-297290.00	17	-5630.70	9	-6557840.00	17	-5630.70	5	-2359960.00	17	0.00	1
10	-98	130	Min.	145.55	-293155.00	17	-5630.70	9	-6385610.00	17	-5630.70	5	-2311710.00	17	0.00	1
10	130	-97	Max	0.00	-205042.00	1	118332.00	17	274611.00	9	33150.00	17	274611.00	5	211200.00	17
10	130	-97	Max	121.10	-202497.00	1	118332.00	17	267850.00	9	33150.00	17	267850.00	5	211200.00	17
10	130	-97	Min.	0.00	-293155.00	17	-5583.09	9	-6385610.00	17	-5583.09	5	-2311710.00	17	0.00	1
10	130	-97	Min.	121.10	-289846.00	17	-5583.09	9	-6242310.00	17	-5583.09	5	-2271570.00	17	0.00	1
10	-97	131	Max	0.00	-202497.00	1	116646.00	17	267850.00	9	33150.00	17	267850.00	5	211200.00	17
10	-97	131	Max	121.10	-199951.00	1	116646.00	17	261141.00	9	33150.00	17	261141.00	5	211200.00	17
10	-97	131	Min.	0.00	-289846.00	17	-5540.04	9	-6242310.00	17	-5540.04	5	-2271570.00	17	0.00	1
10	-97	131	Min.	121.10	-286537.00	17	-5540.04	9	-6101050.00	17	-5540.04	5	-2231420.00	17	0.00	1
10	131	-96	Max	0.00	-199951.00	1	116646.00	17	261141.00	9	33150.00	17	261141.00	5	211200.00	17
10	131	-96	Max	121.10	-197468.00	1	116646.00	17	254484.00	9	33150.00	17	254484.00	5	211200.00	17
10	131	-96	Min.	0.00	-286537.00	17	-5496.79	9	-6101050.00	17	-5496.79	5	-2231420.00	17	0.00	1
10	131	-96	Min.	121.10	-283309.00	17	-5496.79	9	-5959790.00	17	-5496.79	5	-2191280.00	17	0.00	1
10	-96	132	Max	0.00	-197468.00	1	114953.00	17	254484.00	9	33150.00	17	254484.00	5	211200.00	17
10	-96	132	Max	121.10	-194986.00	1	114953.00	17	247880.00	9	33150.00	17	247880.00	5	211200.00	17
10	-96	132	Min.	0.00	-283309.00	17	-5453.38	9	-5959790.00	17	-5453.38	5	-2191280.00	17	0.00	1
10	-96	132	Min.	121.10	-280082.00	17	-5453.38	9	-5820580.00	17	-5453.38	5	-2151130.00	17	0.00	1
10	132	-95	Max	0.00	-194986.00	1	114791.00	17	247880.00	9	33150.00	17	247880.00	5	211200.00	17
10	132	-95	Max	144.35	-192124.00	1	114791.00	17	240077.00	9	33150.00	17	240077.00	5	211200.00	17
10	132	-95	Min.	0.00	-280082.00	17	-5405.89	9	-5820580.00	17	-5405.89	5	-2151130.00	17	0.00	1
10	132	-95	Min.	144.35	-276361.00	17	-5405.89	9	-5654880.00	17	-5405.89	5	-2103280.00	17	0.00	1
10	-95	133	Max	0.00	-192124.00	1	112766.00	17	240077.00	9	33150.00	17	240077.00	5	211200.00	17
10	-95	133	Max	144.35	-189262.00	1	112766.00	17	232348.00	9	33150.00	17	232348.00	5	211200.00	17
10	-95	133	Min.	0.00	-276361.00	17	-5354.06	9	-5654880.00	17	-5354.06	5	-2103280.00	17	0.00	1
10	-95	133	Min.	144.35	-272640.00	17	-5354.06	9	-5492100.00	17	-5354.06	5	-2055430.00	17	0.00	1
10	133	-94	Max	0.00	-189262.00	1	112766.00	17	232348.00	9	33150.00	17	232348.00	5	211200.00	17
10	133	-94	Max	144.35	-186473.00	1	112766.00	17	224695.00	9	33150.00	17	224695.00	5	211200.00	17
10	133	-94	Min.	0.00	-272640.00	17	-5301.93	9	-5492110.00	17	-5301.93	5	-2055430.00	17	0.00	1
10	133	-94	Min.	144.35	-269015.00	17	-5301.93	9	-5329330.00	17	-5301.93	5	-2007580.00	17	0.00	1
10	-94	134	Max	0.00	-186473.00	1	110739.00	17	224695.00	9	33150.00	17	224695.00	5	211200.00	17
10	-94	134	Max	144.35	-183685.00	1	110739.00	17	217117.00	9	33150.00	17	217117.00	5	211200.00	17
10	-94	134	Min.	0.00	-269015.00	17	-5249.54	9	-5329330.00	17	-5249.54	5	-2007580.00	17	0.00	1
10	-94	134	Min.	144.35	-265391.00	17	-5249.54	9	-5169480.00	17	-5249.54	5	-1959730.00	17	0.00	1
10	134	-93	Max	0.00	-183685.00	1	110739.00	17	217117.00	9	33150.00	17	217117.00	5	211200.00	17
10	134	-93	Max	144.35	-181025.00	1	110739.00	17	209615.00	9	33150.00	17	209615.00	5	211200.00	17
10	134	-93	Min.	0.00	-265390.00	17	-5197.42	9	-5169480.00	17	-5197.42	5	-1959730.00	17	0.00	1
10	134	-93	Min.	144.35	-261932.00	17	-5197.42	9	-5009630.00	17	-5197.42	5	-1911870.00	17	0.00	1
10	-93	135	Max	0.00	-181025.00	1	108713.00	17	209615.00	9	33150.00	17	209615.00	5	211200.00	17
10	-93	135	Max	144.35	-178365.00	1	108713.00	17	202187.00	9	33150.00	17	202187.00	5	211200.00	17
10	-93	135	Min.	0.00	-261932.00	17	-5145.63	9	-5009630.00	17	-5145.63	5	-1911870.00	17	0.00	1
10	-93	135	Min.	144.35	-258474.00	17	-5145.63	9	-4852700.00	17	-5145.63	5	-1864020.00	17	0.00	1
10	135	-92	Max	0.00	-178365.00	1	108713.00	17	202187.00	9	33150.00	17	202187.00	5	211200.00	17
10	135	-92	Max	144.35	-175805.00	1	108713.00	17	194834.00	9	33150.00	17	194834.00	5	211200.00	17
10	135	-92	Min.	0.00	-258474.00	17	-5093.92	9	-4852700.00	17	-5093.92	5	-1864020.00	17	0.00	1
10	135	-92	Min.	144.35	-255146.00	17	-5093.92	9	-4695770.00	17	-5093.92	5	-1816170.00	17	0.00	1
10	-92	136	Max	0.00	-175805.00	1	106685.00	17	194834.00	9	33150.00	17	194834.00	5	211200.00	17
10	-92	136	Max	144.35	-173245.00	1	106685.00	17	187555.00	9	33150.00	17	187555.00	5	211200.00	17
10	-92	136	Min.	0.00	-255146.00	17	-5042.33	9	-4695770.00	17	-5042.33	5	-1816170.00	17	0.00	1
10	-92	136	Min.	144.35	-251818.00	17	-5042.33	9	-4541770.00	17	-5042.33	5	-1768320.00	17	0.00	1
10	136	-91	Max	0.00	-173245.00	1	106685.00	17	187555.00	9	33150.00	17	187555.00	5	211200.00	17
10	136	-91	Max	144.35	-170769.00	1	106685.00	17	180351.00	9	33150.00	17	180351.00	5	211200.00	17
10	136	-91	Min.	0.00	-251818.00	17	-4990.73	9	-4541770.00	17	-4990.73	5	-1768320.00	17	0.00	1
10	136	-91	Min.	144.35	-248599.00	17	-4990.73	9	-4387770.00	17	-4990.73	5	-1720470.00	17	0.00	1
10	-91	137	Max	0.00	-170769.00	1	104658.00	17	180351.00	9	33150.00	17	180351.00	5	211200.00	17
10	-91	137	Max	144.35	-168293.00	1	104658.00	17	173222.00	9	33150.00	17	173222.00	5	211200.00	17
10	-91	137	Min.	0.00	-248599.00	17	-4939.16	9	-4387770.00	17	-4939.16	5	-1720470.00	17	0.00	1
10	-91	137	Min.	144.35	-245381.00	17	-4939.16	9	-4236700.00	17	-4939.16	5	-1672610.00	17	0.00	1
10	137	-90	Max	0.00	-168293.00	1	104658.00	17	173222.00	9	33150.00	17	173222.00	5	211200.00	17
10	137	-90	Max	144.35	-165941.00	1	104658.00	17	166166.00	9	33150.00	17	166166.00	5	211200.00	17
10	137	-90	Min.	0.00	-245381.00	17	-4888.05	9	-4236700.00	17	-4888.05	5	-1672610.00	17	0.00	1
10	137	-90	Min.	144.35	-242323.00	17	-4888.05	9	-4085620.00	17	-4888.05	5	-1624760.00	17	0.00	1
10	-90	138	Max	0.00	-165941.00	1	102632.00	17	166166.00	9	33150.00	17	166166.00	5	211200.00	17
10	-90	138	Max	144.35	-163589.00	1	102632.00	17	159183.00	9	33150.00	17	159183.00	5	211200.00	17
10	-90	138	Min.	0.00	-242323.00	17	-4837.47	9	-4085630.00	17	-4837.47	5	-1624760.00	17	0.00	1
10	-90	138	Min.	144.35	-239266.00	17	-4837.47	9	-3937480.00	17	-4837.47	5	-1576910.00	17	0.00	1
10	138	-89	Max	0.00	-163589.00	1	102632.00	17	159183.00	9	33150.00	17	159183.00	5	211200.00	17

10	138	-89	Max	144.35	-161295.00	1	102632.00	17	152273.00	9	33150.00	17	152273.00	5	211200.00	17
10	138	-89	Min.	0.00	-239266.00	17	-4786.70	9	-3937480.00	17	-4786.70	5	-1576910.00	17	0.00	1
10	138	-89	Min.	144.35	-236283.00	17	-4786.70	9	-3789330.00	17	-4786.70	5	-1529060.00	17	0.00	1
10	-89	139	Max	0.00	-161295.00	1	100605.00	17	152273.00	9	33150.00	17	152273.00	5	211200.00	17
10	-89	139	Max	144.35	-159000.00	1	100605.00	17	145437.00	9	33150.00	17	145437.00	5	211200.00	17
10	-89	139	Min.	0.00	-236283.00	17	-4735.78	9	-3789330.00	17	-4735.78	5	-1529060.00	17	0.00	1
10	-89	139	Min.	144.35	-233300.00	17	-4735.78	9	-3644100.00	17	-4735.78	5	-1481210.00	17	0.00	1
10	139	-88	Max	0.00	-159000.00	1	100605.00	17	145437.00	9	33150.00	17	145437.00	5	211200.00	17
10	139	-88	Max	103.15	-157445.00	1	100605.00	17	140597.00	9	33150.00	17	140597.00	5	211200.00	17
10	139	-88	Min.	0.00	-233300.00	17	-4692.41	9	-3644110.00	17	-4692.41	5	-1481210.00	17	0.00	1
10	139	-88	Min.	103.15	-231278.00	17	-4692.41	9	-3540330.00	17	-4692.41	5	-1447010.00	17	0.00	1
10	-88	140	Max	0.00	-157445.00	1	99159.00	17	140597.00	9	33150.00	17	140597.00	5	211200.00	17
10	-88	140	Max	103.15	-155889.00	1	99159.00	17	135793.00	9	33150.00	17	135793.00	5	211200.00	17
10	-88	140	Min.	0.00	-231278.00	17	-4656.98	9	-3540330.00	17	-4656.98	5	-1447010.00	17	0.00	1
10	-88	140	Min.	103.15	-229256.00	17	-4656.98	9	-3438050.00	17	-4656.98	5	-1412820.00	17	0.00	1
10	140	-87	Max	0.00	-155889.00	1	99159.00	17	135793.00	9	33150.00	17	135793.00	5	211200.00	17
10	140	-87	Max	103.15	-154398.00	1	99159.00	17	131026.00	9	33150.00	17	131026.00	5	211200.00	17
10	140	-87	Min.	0.00	-229256.00	17	-4621.92	9	-3438050.00	17	-4621.92	5	-1412820.00	17	0.00	1
10	140	-87	Min.	103.15	-227317.00	17	-4621.92	9	-3335770.00	17	-4621.92	5	-1378620.00	17	0.00	1
10	-87	141	Max	0.00	-154398.00	1	97713.00	17	131026.00	9	33150.00	17	131026.00	5	211200.00	17
10	-87	141	Max	103.15	-152906.00	1	97713.00	17	126294.00	9	33150.00	17	126294.00	5	211200.00	17
10	-87	141	Min.	0.00	-227317.00	17	-4587.23	9	-3335770.00	17	-4587.23	5	-1378620.00	17	0.00	1
10	-87	141	Min.	103.15	-225378.00	17	-4587.23	9	-3234970.00	17	-4587.23	5	-1344430.00	17	0.00	1
10	141	-86	Max	0.00	-152906.00	1	97713.00	17	126294.00	9	33150.00	17	126294.00	5	211200.00	17
10	141	-86	Max	103.15	-151423.00	1	97713.00	17	121598.00	9	33150.00	17	121598.00	5	211200.00	17
10	141	-86	Min.	0.00	-225378.00	17	-4552.28	9	-3234970.00	17	-4552.28	5	-1344430.00	17	0.00	1
10	141	-86	Min.	103.15	-223450.00	17	-4552.28	9	-3134180.00	17	-4552.28	5	-1310230.00	17	0.00	1
10	-86	142	Max	0.00	-151423.00	1	96271.50	17	121596.00	9	33150.00	17	121596.00	5	211200.00	17
10	-86	142	Max	103.15	-149939.00	1	96271.50	17	116937.00	9	33150.00	17	116937.00	5	211200.00	17
10	-86	142	Min.	0.00	-223449.00	17	-4517.06	9	-3134140.00	17	-4517.06	5	-1310220.00	17	0.00	1
10	-86	142	Min.	103.15	-221521.00	17	-4517.06	9	-3034830.00	17	-4517.06	5	-1276020.00	17	0.00	1
10	142	-85	Max	0.00	-149940.00	1	96132.00	17	116939.00	9	33150.00	17	116939.00	5	211200.00	17
10	142	-85	Max	143.45	-147971.00	1	96132.00	17	110519.00	9	33150.00	17	110519.00	5	211200.00	17
10	142	-85	Min.	0.00	-221522.00	17	-4475.65	9	-3034880.00	17	-4475.65	5	-1276040.00	17	0.00	1
10	142	-85	Min.	143.45	-218962.00	17	-4475.65	9	-2896980.00	17	-4475.65	5	-1228490.00	17	0.00	1
10	-85	143	Max	0.00	-147970.00	1	94132.50	17	110516.00	9	33150.00	17	110516.00	5	211200.00	17
10	-85	143	Max	143.45	-146001.00	1	94132.50	17	104165.00	9	33150.00	17	104165.00	5	211200.00	17
10	-85	143	Min.	0.00	-218961.00	17	-4427.74	9	-2896930.00	17	-4427.74	5	-1228470.00	17	0.00	1
10	-85	143	Min.	143.45	-216401.00	17	-4427.74	9	-2761900.00	17	-4427.74	5	-1180920.00	17	0.00	1
10	143	-84	Max	0.00	-146002.00	1	94132.50	17	104167.00	9	33150.00	17	104167.00	5	211200.00	17
10	143	-84	Max	143.45	-144130.00	1	94132.50	17	97883.40	9	33150.00	17	97883.40	5	211200.00	17
10	143	-84	Min.	0.00	-216402.00	17	-4380.37	9	-2761940.00	17	-4380.37	5	-1180930.00	17	0.00	1
10	143	-84	Min.	143.45	-213969.00	17	-4380.37	9	-2626910.00	17	-4380.37	5	-1133380.00	17	0.00	1
10	-84	144	Max	0.00	-144129.00	1	92143.50	17	97881.20	9	33150.00	17	97881.20	5	211200.00	17
10	-84	144	Max	143.45	-142257.00	1	92143.50	17	91664.70	9	33150.00	17	91664.70	5	211200.00	17
10	-84	144	Min.	0.00	-213968.00	17	-4333.57	9	-2626860.00	17	-4333.57	5	-1133360.00	17	0.00	1
10	-84	144	Min.	143.45	-211534.00	17	-4333.57	9	-2494680.00	17	-4333.57	5	-1085810.00	17	0.00	1
10	144	-83	Max	0.00	-142258.00	1	92143.50	17	91666.90	9	33150.00	17	91666.90	5	211200.00	17
10	144	-83	Max	143.45	-140507.00	1	92143.50	17	85516.20	9	33150.00	17	85516.20	5	211200.00	17
10	144	-83	Min.	0.00	-211535.00	17	-4287.66	9	-2494730.00	17	-4287.66	5	-1085830.00	17	0.00	1
10	144	-83	Min.	143.45	-209259.00	17	-4287.66	9	-2362550.00	17	-4287.66	5	-1038270.00	17	0.00	1
10	-83	145	Max	0.00	-140506.00	1	90165.00	17	85514.10	9	33150.00	17	85514.10	5	211200.00	17
10	-83	145	Max	143.45	-138755.00	1	90165.00	17	79428.00	9	33150.00	17	79428.00	5	211200.00	17
10	-83	145	Min.	0.00	-209258.00	17	-4242.69	9	-2362500.00	17	-4242.69	5	-1038260.00	17	0.00	1
10	-83	145	Min.	143.45	-206981.00	17	-4242.69	9	-2233160.00	17	-4242.69	5	-990701.00	17	0.00	1
10	145	-82	Max	0.00	-138755.00	1	90165.00	17	79430.10	9	33150.00	17	79430.10	5	211200.00	17
10	145	-82	Max	143.65	-137120.00	1	90165.00	17	73398.80	9	33150.00	17	73398.80	5	211200.00	17
10	145	-82	Min.	0.00	-206982.00	17	-4198.63	9	-2233210.00	17	-4198.63	5	-990718.00	17	0.00	1
10	145	-82	Min.	143.65	-204856.00	17	-4198.63	9	-2103690.00	17	-4198.63	5	-943098.00	17	0.00	1
10	-82	146	Max	0.00	-137119.00	1	88198.50	17	73396.70	9	33150.00	17	73396.70	5	211200.00	17
10	-82	146	Max	143.65	-135484.00	1	88198.50	17	67427.20	9	33150.00	17	67427.20	5	211200.00	17
10	-82	146	Min.	0.00	-204855.00	17	-4155.54	9	-2103640.00	17	-4155.54	5	-943082.00	17	0.00	1
10	-82	146	Min.	143.65	-202730.00	17	-4155.54	9	-1976940.00	17	-4155.54	5	-895462.00	17	0.00	1
10	146	-81	Max	0.00	-135485.00	1	88198.50	17	67429.30	9	33150.00	17	67429.30	5	211200.00	17
10	146	-81	Max	143.65	-133893.00	1	88198.50	17	61521.80	9	33150.00	17	61521.80	5	211200.00	17
10	146	-81	Min.	0.00	-202730.00	17	-4112.46	9	-1976990.00	17	-4112.46	5	-895478.00	17	0.00	1
10	146	-81	Min.	143.65	-200661.00	17	-4112.46	9	-1850290.00	17	-4112.46	5	-847858.00	17	0.00	1
10	-81	147	Max	0.00	-133892.00	1	86244.00	17	61519.70	9	33150.00	17	61519.70	5	211200.00	17
10	-81	147	Max	93.65	-132854.00	1	86244.00	17	57701.70	9	33150.00	17	57701.70	5	211200.00	17
10	-81	147	Min.	0.00	-200660.00	17	-4076.92	9	-1850250.00	17	-4076.92	5	-847842.00	17	0.00	1
10	-81	147	Min.	93.65	-199311.00	17	-4076.92	9	-1769480.00	17	-4076.92	5	-816797.00	17	0.00	1
10	147	-80	Max	0.00	-132855.00	1	86244.00	17	57703.70	9	33150.00	17	57703.70	5	211200.00	17
10	147	-80	Max	143.65	-130992.00	1	86244.00	17	51904.00	9	33150.00	17	51904.00	5	211200.00	17
10	147	-80	Min.	0.00	-199311.00	17	-4037.39	9	-1769520.00	17	-4037.39	5	-816813.00	17	0.00	1
10	147	-80	Min.	143.65	-196890.00	17	-4037.39	9	-1645630.00	17	-4037.39	5	-769193.00	17	0.00	1
10	-80	148	Max	0.00	-130991.00	1	84301.50	17	51902.00	9	33150.00	17	51902.00	5	211200.00	17
10	-80	148	Max	143.65	-129128.00	1	84301.50	17	46176.10	9	33150.00	17	46176.10	5	211200.00	17
10	-80	148	Min.	0.00	-196889.00	17	-3985.99	9	-1645590.00	17	-3985.99	5	-769177.00	17	0.00	1
10	-80	148	Min.	143.65	-194467.00	17	-3985.99	9	-1524490.00	17	-3985.99	5	-721557.00	17	0.00	1
10	148	-79	Max	0.00	-129129.00	1	84301.50	17	46178.10	9	33150.00	17	46178.10	5	211200.00	17
10	148	-79	Max	143.65	-127395.00	1	84301.50	17	40524.40	9	33150.00	17	40524.40	5	211200.00	17
10	148	-79	Min.	0.00	-194468.00	17	-3935.76	9	-1524530.00	17	-3935.76	5	-721573.00	17	0.00	1
10	148	-79	Min.	143.65	-192214.00	17	-3935.76	9	-1403430.00	17	-3935.76	5	-673953.00	17	0.00	1
10	-79	149	Max	0.00	-127395.00	1	82372.50	17	40522.40	9	33150.00	17	40522.40	5	211200.00	17
10	-79	149	Max	143.65	-125661.00	1	82372.50	17	34939.10	9	33150.00	17	34939.10	5	211200.00	17
10	-79	149	Min.	0.00	-192213.00	17	-3886.75	9	-1403390.00	17	-3886.75	5	-673937.00	17	0.00	1
10	-79	149	Min.	143.65	-189959.00	17	-3886.75	9	-1285060.00	17	-3886.75	5	-626317.00	17	0.00	1
10	149	-78	Max	0.00	-125661.00	1	82372.50	17	34941.00	9	33150.00	17	34941.00	5	211200.00	17
10	149	-78	Max	143.65	-123995.00	1	82372.50	17	29427.60	9	33150.00	17	29427.60	5	211200.00	17
10	149	-78	Min.	0.00	-189960.00	17	-3838.11	9	-1285100.00	17	-3838.11	5	-626333.00	17	0.00	1
10	149	-78	Min.	143.65	-187793.00	17	-3838.11	9	-1166780.00	17	-3838.11	5	-578713.00	17	0.00	1
10	-78	150	Max	0.00	-123994.00	1	80455.50	17	29425.70	9	33150.00	17	29425.70	5	211200.00	17
10	-78	150	Max	143.65	-122328.00	1	80455.50	17	23981.50	9	33150.00	17	23981.50	5	211200.00	17
10	-78	150	Min.	0.00	-187793.00	17	-3789.88	9	-1166730.00	17	-3789.88	5	-578697.00	17	0.00	1
10	-78	150	Min.	143.65	-185626.00	17	-3789.88	9	-1051160.00	17	-3789.88	5	-531077.00	17	0.00	1
10	150	-77	Max	0.00	-122329.00	1	80455.50	17	23983.40	9	33150.00	17	23983.40	5	211200.00	17
10	150	-77	Max	109.70	-121079.00	1	80455.50	17	19872.70	9	33150.00	17	19872.70	5	211200.00	17
10	150	-77	Min.	0.00	-185627.00	17	-3747.19	9	-1051200.00	17	-3747.19	5	-531093.00	17	0.00	1
10	150	-77	Min.	109.70	-184002.00	17	-3747.19	9	-962941.00	17	-3747.19	5	-494728.00	17	0.00	1
10	-77	151	Max	0.00	-121079.00	1	79002.00	17	19872.70	9	33150.00	17	19872.70	5	211200.00	17
10	-77	151	Max	109.70	-119829.00	1	79002.00	17	15802.60	9	33150.00	17	15802.60	5	211200.00	17
10	-77	151	Min.	0.00	-184002.00	17	-3710.26	9	-962941.00	17	-3710.26	5	-494728.00	17	0.00	1
10	-77	151	Min.	109.70	-182377.00	17	-3710.26	9	-876276.00	17	-3710.26	5	-458362.00	17	0.00	1
10	151	-76	Max	0.00	-119829.00	1	79002.00	17	15802.60	9	33150.00	17	15802.60	5	211200.00	17
10	151	-76	Max	109.70	-118414.00	1	79002.00	17	11776.00	9	33150.00	17	11776.00	5	211200.00	17

10	151	-76	Min.	0.00	-182377.00	17	-3670.56	9	-876276.00	17	-3670.56	5	-458362.00	17	0.00	1
10	151	-76	Min.	109.70	-180539.00	17	-3670.56	9	-789610.00	17	-3670.56	5	-421997.00	17	0.00	1
10	-76	152	Max	0.00	-118414.00	1	77556.00	17	11776.00	9	33150.00	17	11776.00	5	211200.00	17
10	-76	152	Max	109.70	-117000.00	1	77556.00	17	7796.00	9	33150.00	17	7796.00	5	211200.00	17
10	-76	152	Min.	0.00	-180539.00	17	-3628.04	9	-789610.00	17	-3628.04	5	-421997.00	17	0.00	1
10	-76	152	Min.	109.70	-178700.00	17	-3628.04	9	-704531.00	17	-3628.04	5	-385631.00	17	0.00	1
10	152	-75	Max	0.00	-117000.00	1	77556.00	17	7796.00	9	33150.00	17	7796.00	5	211200.00	17
10	152	-75	Max	109.70	-115250.00	1	77556.00	17	3868.71	9	33150.00	17	3868.71	5	211200.00	17
10	152	-75	Min.	0.00	-178700.00	17	-3580.08	9	-704532.00	17	-3580.08	5	-385631.00	17	0.00	1
10	152	-75	Min.	109.70	-176425.00	17	-3580.08	9	-619454.00	17	-3580.08	5	-349266.00	17	0.00	1
10	-75	153	Max	0.00	-115250.00	1	76119.00	17	3868.65	9	33150.00	17	3868.65	5	211200.00	17
10	-75	153	Max	109.70	-113500.00	1	76119.00	17	0.05	13	33150.00	17	0.05	1	211200.00	17
10	-75	153	Min.	0.00	-176425.00	17	-3526.57	9	-619453.00	17	-3526.57	5	-349266.00	17	0.00	1
10	-75	153	Min.	109.70	-174150.00	17	-3526.57	9	-535949.00	17	-3526.57	5	-312900.00	17	0.00	1

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
0	Max	363	0.00	1	0.00	1	0.00	1	26257.70	17	-427.19	7	-183.32	11	714.86	7	42.23	11
0	Max	364	0.00	1	0.00	1	0.00	1	26257.70	17	-427.19	7	-183.32	11	714.86	7	42.23	11
0	Max	345	0.00	1	0.00	1	0.00	1	26257.70	17	-427.19	7	-183.32	11	714.86	7	42.23	11
0	Max	344	0.00	1	0.00	1	0.00	1	26257.70	17	-427.19	7	-183.32	11	714.86	7	42.23	11
0	Min.	363	0.00	1	0.00	1	0.00	1	19610.20	18	-1202.30	17	-2194.47	17	360.49	18	-744.91	17
0	Min.	364	0.00	1	0.00	1	0.00	1	19610.20	18	-1202.30	17	-2194.47	17	360.49	18	-744.91	17
0	Min.	345	0.00	1	0.00	1	0.00	1	19610.20	18	-1202.30	17	-2194.47	17	360.49	18	-744.91	17
0	Min.	344	0.00	1	0.00	1	0.00	1	19610.20	18	-1202.30	17	-2194.47	17	360.49	18	-744.91	17
0	Max	365	0.00	1	0.00	1	0.00	1	28978.20	17	1023.91	17	-192.66	11	2190.55	17	39.03	5
0	Max	366	0.00	1	0.00	1	0.00	1	28978.20	17	1023.91	17	-192.66	11	2190.55	17	39.03	5
0	Max	347	0.00	1	0.00	1	0.00	1	28978.20	17	1023.91	17	-192.66	11	2190.55	17	39.03	5
0	Max	346	0.00	1	0.00	1	0.00	1	28978.20	17	1023.91	17	-192.66	11	2190.55	17	39.03	5
0	Min.	365	0.00	1	0.00	1	0.00	1	19700.60	1	-743.45	9	-1972.97	17	468.77	9	-629.62	17
0	Min.	366	0.00	1	0.00	1	0.00	1	19700.60	1	-743.45	9	-1972.97	17	468.77	9	-629.62	17
0	Min.	347	0.00	1	0.00	1	0.00	1	19700.60	1	-743.45	9	-1972.97	17	468.77	9	-629.62	17
0	Min.	346	0.00	1	0.00	1	0.00	1	19700.60	1	-743.45	9	-1972.97	17	468.77	9	-629.62	17
0	Max	293	0.00	1	0.00	1	0.00	1	55180.40	11	367465.00	17	34987.30	17	33208.80	17	7970.99	17
0	Max	294	0.00	1	0.00	1	0.00	1	55180.40	11	367465.00	17	34987.30	17	33208.80	17	7970.99	17
0	Max	265	0.00	1	0.00	1	0.00	1	55180.40	11	367465.00	17	34987.30	17	33208.80	17	7970.99	17
0	Max	264	0.00	1	0.00	1	0.00	1	55180.40	11	367465.00	17	34987.30	17	33208.80	17	7970.99	17
0	Min.	293	0.00	1	0.00	1	0.00	1	-14932.20	17	12644.50	11	-4022.16	11	7346.35	11	-554.55	1
0	Min.	294	0.00	1	0.00	1	0.00	1	-14932.20	17	12644.50	11	-4022.16	11	7346.35	11	-554.55	1
0	Min.	265	0.00	1	0.00	1	0.00	1	-14932.20	17	12644.50	11	-4022.16	11	7346.35	11	-554.55	1
0	Min.	264	0.00	1	0.00	1	0.00	1	-14932.20	17	12644.50	11	-4022.16	11	7346.35	11	-554.55	1
0	Max	288	0.00	1	0.00	1	0.00	1	55180.40	1	106059.00	17	-464.35	7	18670.00	17	2157.75	11
0	Max	289	0.00	1	0.00	1	0.00	1	55180.40	1	106059.00	17	-464.35	7	18670.00	17	2157.75	11
0	Max	260	0.00	1	0.00	1	0.00	1	55180.40	1	106059.00	17	-464.35	7	18670.00	17	2157.75	11
0	Max	259	0.00	1	0.00	1	0.00	1	55180.40	1	106059.00	17	-464.35	7	18670.00	17	2157.75	11
0	Min.	288	0.00	1	0.00	1	0.00	1	37568.20	18	12644.50	1	-10204.90	17	7346.35	1	-28720.80	17
0	Min.	289	0.00	1	0.00	1	0.00	1	37568.20	18	12644.50	1	-10204.90	17	7346.35	1	-28720.80	17
0	Min.	260	0.00	1	0.00	1	0.00	1	37568.20	18	12644.50	1	-10204.90	17	7346.35	1	-28720.80	17
0	Min.	259	0.00	1	0.00	1	0.00	1	37568.20	18	12644.50	1	-10204.90	17	7346.35	1	-28720.80	17
0	Max	349	0.00	1	0.00	1	0.00	1	37625.40	17	19573.50	17	-301.52	7	10487.70	17	259.52	17
0	Max	350	0.00	1	0.00	1	0.00	1	37625.40	17	19573.50	17	-301.52	7	10487.70	17	259.52	17
0	Max	331	0.00	1	0.00	1	0.00	1	37625.40	17	19573.50	17	-301.52	7	10487.70	17	259.52	17
0	Max	330	0.00	1	0.00	1	0.00	1	37625.40	17	19573.50	17	-301.52	7	10487.70	17	259.52	17
0	Min.	349	0.00	1	0.00	1	0.00	1	23893.80	11	-1813.55	11	-726.61	17	1456.85	11	4.74	5
0	Min.	350	0.00	1	0.00	1	0.00	1	23893.80	11	-1813.55	11	-726.61	17	1456.85	11	4.74	5
0	Min.	331	0.00	1	0.00	1	0.00	1	23893.80	11	-1813.55	11	-726.61	17	1456.85	11	4.74	5
0	Min.	330	0.00	1	0.00	1	0.00	1	23893.80	11	-1813.55	11	-726.61	17	1456.85	11	4.74	5
0	Max	355	0.00	1	0.00	1	0.00	1	24634.30	17	-445.09	9	1250.19	17	700.49	9	648.71	17
0	Max	356	0.00	1	0.00	1	0.00	1	24634.30	17	-445.09	9	1250.19	17	700.49	9	648.71	17
0	Max	337	0.00	1	0.00	1	0.00	1	24634.30	17	-445.09	9	1250.19	17	700.49	9	648.71	17
0	Max	336	0.00	1	0.00	1	0.00	1	24634.30	17	-445.09	9	1250.19	17	700.49	9	648.71	17
0	Min.	355	0.00	1	0.00	1	0.00	1	18528.00	18	-2615.96	17	-341.86	11	-606.85	17	-23.74	5
0	Min.	356	0.00	1	0.00	1	0.00	1	18528.00	18	-2615.96	17	-341.86	11	-606.85	17	-23.74	5
0	Min.	337	0.00	1	0.00	1	0.00	1	18528.00	18	-2615.96	17	-341.86	11	-606.85	17	-23.74	5
0	Min.	336	0.00	1	0.00	1	0.00	1	18528.00	18	-2615.96	17	-341.86	11	-606.85	17	-23.74	5
0	Max	360	0.00	1	0.00	1	0.00	1	22883.50	17	-445.09	5	-192.66	1	700.49	5	39.03	9
0	Max	361	0.00	1	0.00	1	0.00	1	22883.50	17	-445.09	5	-192.66	1	700.49	5	39.03	9
0	Max	342	0.00	1	0.00	1	0.00	1	22883.50	17	-445.09	5	-192.66	1	700.49	5	39.03	9
0	Max	341	0.00	1	0.00	1	0.00	1	22883.50	17	-445.09	5	-192.66	1	700.49	5	39.03	9
0	Min.	360	0.00	1	0.00	1	0.00	1	17360.80	18	-3992.16	17	-1261.80	17	-1713.27	17	-394.29	17
0	Min.	361	0.00	1	0.00	1	0.00	1	17360.80	18	-3992.16	17	-1261.80	17	-1713.27	17	-394.29	17
0	Min.	342	0.00	1	0.00	1	0.00	1	17360.80	18	-3992.16	17	-1261.80	17	-1713.27	17	-394.29	17
0	Min.	341	0.00	1	0.00	1	0.00	1	17360.80	18	-3992.16	17	-1261.80	17	-1713.27	17	-394.29	17
0	Max	284	0.00	1	0.00	1	0.00	1	142311.00	17	41443.20	5	-456.82	11	9347.71	5	2055.79	9
0	Max	285	0.00	1	0.00	1	0.00	1	142311.00	17	41443.20	5	-456.82	11	9347.71	5	2055.79	9
0	Max	256	0.00	1	0.00	1	0.00	1	142311.00	17	41443.20	5	-456.82	11	9347.71	5	2055.79	9
0	Max	255	0.00	1	0.00	1	0.00	1	142311.00	17	41443.20	5	-456.82	11	9347.71	5	2055.79	9
0	Min.	284	0.00	1	0.00	1	0.00	1	47757.80	5	-254858.00	17	-42971.70	17	-7325.47	17	-15052.20	17
0	Min.	285	0.00	1	0.00	1	0.00	1	47757.80	5	-254858.00	17	-42971.70	17	-7325.47	17	-15052.20	17
0	Min.	256	0.00	1	0.00	1	0.00	1	47757.80	5	-254858.00	17	-42971.70	17	-7325.47	17	-15052.20	17
0	Min.	255	0.00	1	0.00	1	0.00	1	47757.80	5	-254858.00	17	-42971.70	17	-7325.47	17	-15052.20	17
0	Max	279	0.00	1	0.00	1	0.00	1	114679.00	17	41443.20	9	-456.82	1	9347.71	9	26784.30	17
0	Max	280	0.00	1	0.00	1	0.00	1	114679.00	17	41443.20	9	-456.82	1	9347.71	9	26784.30	17
0	Max	251	0.00	1	0.00	1	0.00	1	114679.00	17	41443.20	9	-456.82	1	9347.71	9	26784.30	17

0	Max	250	0.00	1	0.00	1	0.00	1	114679.00	17	41443.20	9	-456.82	1	9347.71	9	26784.30	17
0	Min.	279	0.00	1	0.00	1	0.00	1	47757.80	9	-129296.00	17	-10111.10	17	-2571.06	17	-452.48	5
0	Min.	280	0.00	1	0.00	1	0.00	1	47757.80	9	-129296.00	17	-10111.10	17	-2571.06	17	-452.48	5
0	Min.	251	0.00	1	0.00	1	0.00	1	47757.80	9	-129296.00	17	-10111.10	17	-2571.06	17	-452.48	5
0	Min.	250	0.00	1	0.00	1	0.00	1	47757.80	9	-129296.00	17	-10111.10	17	-2571.06	17	-452.48	5
0	Max	287	0.00	1	0.00	1	0.00	1	75085.60	17	43078.10	7	-446.95	5	11524.80	17	2187.71	11
0	Max	288	0.00	1	0.00	1	0.00	1	75085.60	17	43078.10	7	-446.95	5	11524.80	17	2187.71	11
0	Max	259	0.00	1	0.00	1	0.00	1	75085.60	17	43078.10	7	-446.95	5	11524.80	17	2187.71	11
0	Max	258	0.00	1	0.00	1	0.00	1	75085.60	17	43078.10	7	-446.95	5	11524.80	17	2187.71	11
0	Min.	287	0.00	1	0.00	1	0.00	1	47392.70	7	797.78	17	-21943.80	17	7294.77	1	-29472.30	17
0	Min.	288	0.00	1	0.00	1	0.00	1	47392.70	7	797.78	17	-21943.80	17	7294.77	1	-29472.30	17
0	Min.	259	0.00	1	0.00	1	0.00	1	47392.70	7	797.78	17	-21943.80	17	7294.77	1	-29472.30	17
0	Min.	258	0.00	1	0.00	1	0.00	1	47392.70	7	797.78	17	-21943.80	17	7294.77	1	-29472.30	17
0	Max	282	0.00	1	0.00	1	0.00	1	155175.00	17	43078.10	11	-446.95	9	9415.95	11	3226.63	17
0	Max	283	0.00	1	0.00	1	0.00	1	155175.00	17	43078.10	11	-446.95	9	9415.95	11	3226.63	17
0	Max	254	0.00	1	0.00	1	0.00	1	155175.00	17	43078.10	11	-446.95	9	9415.95	11	3226.63	17
0	Max	253	0.00	1	0.00	1	0.00	1	155175.00	17	43078.10	11	-446.95	9	9415.95	11	3226.63	17
0	Min.	282	0.00	1	0.00	1	0.00	1	47392.70	11	-297129.00	17	-39128.80	17	-11905.50	17	-584.33	7
0	Min.	283	0.00	1	0.00	1	0.00	1	47392.70	11	-297129.00	17	-39128.80	17	-11905.50	17	-584.33	7
0	Min.	254	0.00	1	0.00	1	0.00	1	47392.70	11	-297129.00	17	-39128.80	17	-11905.50	17	-584.33	7
0	Min.	253	0.00	1	0.00	1	0.00	1	47392.70	11	-297129.00	17	-39128.80	17	-11905.50	17	-584.33	7
0	Max	281	0.00	1	0.00	1	0.00	1	149063.00	17	43023.90	9	-480.10	9	9378.17	9	12482.30	17
0	Max	282	0.00	1	0.00	1	0.00	1	149063.00	17	43023.90	9	-480.10	9	9378.17	9	12482.30	17
0	Max	253	0.00	1	0.00	1	0.00	1	149063.00	17	43023.90	9	-480.10	9	9378.17	9	12482.30	17
0	Max	252	0.00	1	0.00	1	0.00	1	149063.00	17	43023.90	9	-480.10	9	9378.17	9	12482.30	17
0	Min.	281	0.00	1	0.00	1	0.00	1	47448.80	9	-269351.00	17	-31855.90	17	-10853.60	17	-567.26	5
0	Min.	282	0.00	1	0.00	1	0.00	1	47448.80	9	-269351.00	17	-31855.90	17	-10853.60	17	-567.26	5
0	Min.	253	0.00	1	0.00	1	0.00	1	47448.80	9	-269351.00	17	-31855.90	17	-10853.60	17	-567.26	5
0	Min.	252	0.00	1	0.00	1	0.00	1	47448.80	9	-269351.00	17	-31855.90	17	-10853.60	17	-567.26	5
0	Max	316	0.00	1	0.00	1	0.00	1	40742.70	17	5028.58	1	-597.83	18	3896.58	1	169.07	11
0	Max	317	0.00	1	0.00	1	0.00	1	40742.70	17	5028.58	1	-597.83	18	3896.58	1	169.07	11
0	Max	298	0.00	1	0.00	1	0.00	1	40742.70	17	5028.58	1	-597.83	18	3896.58	1	169.07	11
0	Max	297	0.00	1	0.00	1	0.00	1	40742.70	17	5028.58	1	-597.83	18	3896.58	1	169.07	11
0	Min.	316	0.00	1	0.00	1	0.00	1	30392.00	18	-9124.77	17	-868.05	7	1678.53	18	-1564.67	17
0	Min.	317	0.00	1	0.00	1	0.00	1	30392.00	18	-9124.77	17	-868.05	7	1678.53	18	-1564.67	17
0	Min.	298	0.00	1	0.00	1	0.00	1	30392.00	18	-9124.77	17	-868.05	7	1678.53	18	-1564.67	17
0	Min.	297	0.00	1	0.00	1	0.00	1	30392.00	18	-9124.77	17	-868.05	7	1678.53	18	-1564.67	17
0	Max	332	0.00	1	0.00	1	0.00	1	42410.30	17	58511.60	17	722.09	17	15970.30	17	165.72	1
0	Max	333	0.00	1	0.00	1	0.00	1	42410.30	17	58511.60	17	722.09	17	15970.30	17	165.72	1
0	Max	314	0.00	1	0.00	1	0.00	1	42410.30	17	58511.60	17	722.09	17	15970.30	17	165.72	1
0	Max	313	0.00	1	0.00	1	0.00	1	42410.30	17	58511.60	17	722.09	17	15970.30	17	165.72	1
0	Min.	332	0.00	1	0.00	1	0.00	1	30403.70	11	-389.36	5	-869.25	11	2774.13	11	-397.29	17
0	Min.	333	0.00	1	0.00	1	0.00	1	30403.70	11	-389.36	5	-869.25	11	2774.13	11	-397.29	17
0	Min.	314	0.00	1	0.00	1	0.00	1	30403.70	11	-389.36	5	-869.25	11	2774.13	11	-397.29	17
0	Min.	313	0.00	1	0.00	1	0.00	1	30403.70	11	-389.36	5	-869.25	11	2774.13	11	-397.29	17
0	Max	308	0.00	1	0.00	1	0.00	1	43926.00	17	87221.90	17	8765.47	17	16290.80	17	294.75	5
0	Max	309	0.00	1	0.00	1	0.00	1	43926.00	17	87221.90	17	8765.47	17	16290.80	17	294.75	5
0	Max	290	0.00	1	0.00	1	0.00	1	43926.00	17	87221.90	17	8765.47	17	16290.80	17	294.75	5
0	Max	289	0.00	1	0.00	1	0.00	1	43926.00	17	87221.90	17	8765.47	17	16290.80	17	294.75	5
0	Min.	308	0.00	1	0.00	1	0.00	1	33478.20	18	4161.95	1	-1855.88	11	4511.09	9	-34.92	17
0	Min.	309	0.00	1	0.00	1	0.00	1	33478.20	18	4161.95	1	-1855.88	11	4511.09	9	-34.92	17
0	Min.	290	0.00	1	0.00	1	0.00	1	33478.20	18	4161.95	1	-1855.88	11	4511.09	9	-34.92	17
0	Min.	289	0.00	1	0.00	1	0.00	1	33478.20	18	4161.95	1	-1855.88	11	4511.09	9	-34.92	17
0	Max	334	0.00	1	0.00	1	0.00	1	41696.50	17	29820.10	17	227.97	17	10051.00	17	168.94	9
0	Max	275	0.00	1	0.00	1	0.00	1	41696.50	17	29820.10	17	227.97	17	10051.00	17	168.94	9
0	Max	274	0.00	1	0.00	1	0.00	1	41696.50	17	29820.10	17	227.97	17	10051.00	17	168.94	9
0	Max	315	0.00	1	0.00	1	0.00	1	41696.50	17	29820.10	17	227.97	17	10051.00	17	168.94	9
0	Min.	334	0.00	1	0.00	1	0.00	1	30395.80	5	-709.70	5	-867.22	5	2708.29	5	-1239.41	17
0	Min.	275	0.00	1	0.00	1	0.00	1	30395.80	5	-709.70	5	-867.22	5	2708.29	5	-1239.41	17
0	Min.	274	0.00	1	0.00	1	0.00	1	30395.80	5	-709.70	5	-867.22	5	2708.29	5	-1239.41	17
0	Min.	315	0.00	1	0.00	1	0.00	1	30395.80	5	-709.70	5	-867.22	5	2708.29	5	-1239.41	17
0	Max	338	0.00	1	0.00	1	0.00	1	27896.20	17	78.83	9	534.50	17	2190.34	9	63.10	5
0	Max	339	0.00	1	0.00	1	0.00	1	27896.20	17	78.83	9	534.50	17	2190.34	9	63.10	5
0	Max	320	0.00	1	0.00	1	0.00	1	27896.20	17	78.83	9	534.50	17	2190.34	9	63.10	5
0	Max	319	0.00	1	0.00	1	0.00	1	27896.20	17	78.83	9	534.50	17	2190.34	9	63.10	5
0	Min.	338	0.00	1	0.00	1	0.00	1	21152.60	18	-20094.20	17	-613.90	5	-4855.42	17	-351.52	17
0	Min.	339	0.00	1	0.00	1	0.00	1	21152.60	18	-20094.20	17	-613.90	5	-4855.42	17	-351.52	17
0	Min.	320	0.00	1	0.00	1	0.00	1	21152.60	18	-20094.20	17	-613.90	5	-4855.42	17	-351.52	17
0	Min.	319	0.00	1	0.00	1	0.00	1	21152.60	18	-20094.20	17	-613.90	5	-4855.42	17	-351.52	17
0	Max	340	0.00	1	0.00	1	0.00	1	27466.20	17	71.82	11	-306.91	1	2187.73	11	63.18	7
0	Max	341	0.00	1	0.00	1	0.00	1	27466.20	17	71.82	11	-306.91	1	2187.73	11	63.18	7
0	Max	322	0.00	1	0.00	1	0.00	1	27466.20	17	71.82	11	-306.91	1	2187.73	11	63.18	7
0	Max	321	0.00	1	0.00	1	0.00	1	27466.20	17	71.82	11	-306.91	1	2187.73	11	63.18	7
0	Min.	340	0.00	1	0.00	1	0.00	1	20865.90	18	-21603.70	17	-1594.54	17	-5472.52	17	3.99	1
0	Min.	341	0.00	1	0.00	1	0.00	1	20865.90	18	-21603.70	17	-1594.54	17	-5472.52	17	3.99	1
0	Min.	322	0.00	1	0.00	1	0.00	1	20865.90	18	-21603.70	17	-1594.54	17	-5472.52	17	3.99	1
0	Min.	321	0.00	1	0.00	1	0.00	1	20865.90	18	-21603.70	17	-1594.54	17	-5472.52	17	3.99	1
0	Max	280	0.00	1	0.00	1	0.00	1	135108.00	17	42977.70	9	-624.19	1	9414.79	9	20599.60	17
0	Max	281	0.00	1	0.00	1	0.00	1	135108.00	17	42977.70	9	-624.19	1	9414.79	9	20599.60	17
0	Max	252	0.00	1	0.00	1	0.00	1	135108.00	17	42977.70	9	-624.19	1	9414.79	9	20599.60	17
0	Max	251	0.00	1	0.00	1	0.00	1	135108.00	17	42977.70	9	-624.19	1	9414.79	9	20599.60	17
0	Min.	280	0.00	1	0.00	1	0.00	1	47411.30	9	-211519.00	17	-21860.90	17	-7637.28	17	-577.29	5
0	Min.	281	0.00	1	0.00	1	0.00	1	47411.30	9	-211519.00	17	-21860.90	17	-7637.28	17	-577.29	5
0	Min.	252	0.00	1	0.00	1	0.00	1	47411.30	9	-211519.00	17	-21860.90	17	-7637.28	17	-577.29	5
0	Min.	251	0.00	1	0.00	1	0.00	1	47411.30	9	-211519.00	17	-21860.90	17	-7637.28	17	-577.29	5
0	Max	321	0.00	1	0.00	1	0.00	1	39551.30	17	5028.58	11	-705.83	11	3896.58	11	169.07	7
0	Max	322	0.00	1	0.00	1	0.00	1	39551.30	17	5028.58	11	-705.83	11	3896.58	11	169.07	7
0	Max	303	0.00	1	0.00	1	0.00	1	39551.30	17	5028.58	11	-705.83	11	3896.58	11	169.07	7
0	Max	302	0.00	1	0.00	1	0.00	1	39551.30	17	5028.58	11	-705.83	11	3896.58	11	169.07	7
0	Min.	321	0.00	1	0.00	1	0.00	1	29597.60	18	-59348.50	17	-2895.35	17	-8445.23	17	15.25	1
0	Min.	322	0.00	1	0.00	1	0.00	1	29597.60	18	-59348.50	17	-2895.35	17	-8445.23	17	15.25	1
0	Min.	303	0.00	1	0.00	1	0.00	1	29597.60	18	-59348.50	17	-2895.35	17	-8445.23	17	15.25	1
0	Min.	302	0.00	1	0.00	1	0.00	1	29597.60	18	-59348.50	17	-2895.35	17	-8445.23	17	15.25	1
0	Max	326	0.00	1	0.00	1	0.00	1	41393.70	17	15077.60	17	-705.82	7	6922.02	17	1792.40	17
0	Max	327	0.00	1	0.00	1	0.00	1	41393.70	17	15077.60	17	-705.82	7	6922.02	17	1792.40	17
0	Max	308	0.00	1	0.00	1	0.00	1	41393.70	17	15077.60	17	-705.82	7	6922.02	17	1792.40	17
0	Max	307	0.00	1	0.00	1	0.00	1	41393.70	17	15077.60	17	-705.82	7	6922.02	17	1792.40	17
0	Min.	326	0.00	1	0.00	1	0.00	1	30396.30	1	-689.03	1	-1414.01	17	2712.48	1	15.24	11
0	Min.	327	0.00	1	0.00	1	0.00	1	30396.30	1	-689.03	1	-1414.01	17	2712.48	1	15.24	11
0	Min.	308	0.00	1	0.00	1	0.00	1	30396.30	1	-689.03	1	-1414.01	17	2712.48	1	15.24	11
0	Min.	307	0.00	1	0.00	1	0.00	1	30396.30	1	-689.03	1	-1414.01	17	2712.48	1	15.24	11
0	Max	311	0.00	1	0.00	1	0.00	1	40386.00	11	165128.00	17	6613.70	17	25812.60	17	906.06	17
0	Max	312	0.00	1	0.00	1	0.00	1	40386.00	11	165128.00	17	6613.70	17	25812.60	17	906.06	17
0	Max	293	0.00	1	0.00	1	0.00	1	40386.00	11	165128.00	17	6613.70	17	25812.60	17	906.06	17
0	Max	292	0.00	1	0.00	1	0.00	1	40386.00	11	165128.00	17	6613.70	17	25812.60	17	906.06	17

0	Min.	311	0.00	1	0.00	1	0.00	1	26237.50	18	3408.61	11	-1849.30	5	4416.76	11	203.30	9
0	Min.	312	0.00	1	0.00	1	0.00	1	26237.50	18	3408.61	11	-1849.30	5	4416.76	11	203.30	9
0	Min.	293	0.00	1	0.00	1	0.00	1	26237.50	18	3408.61	11	-1849.30	5	4416.76	11	203.30	9
0	Min.	292	0.00	1	0.00	1	0.00	1	26237.50	18	3408.61	11	-1849.30	5	4416.76	11	203.30	9
0	Max	306	0.00	1	0.00	1	0.00	1	56351.50	17	17222.90	7	5045.60	17	6127.28	7	293.38	5
0	Max	307	0.00	1	0.00	1	0.00	1	56351.50	17	17222.90	7	5045.60	17	6127.28	7	293.38	5
0	Max	288	0.00	1	0.00	1	0.00	1	56351.50	17	17222.90	7	5045.60	17	6127.28	7	293.38	5
0	Max	287	0.00	1	0.00	1	0.00	1	56351.50	17	17222.90	7	5045.60	17	6127.28	7	293.38	5
0	Min.	306	0.00	1	0.00	1	0.00	1	38551.50	7	-5300.29	17	-1849.30	9	3806.67	18	-560.14	17
0	Min.	307	0.00	1	0.00	1	0.00	1	38551.50	7	-5300.29	17	-1849.30	9	3806.67	18	-560.14	17
0	Min.	288	0.00	1	0.00	1	0.00	1	38551.50	7	-5300.29	17	-1849.30	9	3806.67	18	-560.14	17
0	Min.	287	0.00	1	0.00	1	0.00	1	38551.50	7	-5300.29	17	-1849.30	9	3806.67	18	-560.14	17
0	Max	301	0.00	1	0.00	1	0.00	1	73277.50	17	17223.00	11	-883.64	5	6127.28	11	293.38	9
0	Max	302	0.00	1	0.00	1	0.00	1	73277.50	17	17223.00	11	-883.64	5	6127.28	11	293.38	9
0	Max	283	0.00	1	0.00	1	0.00	1	73277.50	17	17223.00	11	-883.64	5	6127.28	11	293.38	9
0	Max	282	0.00	1	0.00	1	0.00	1	73277.50	17	17223.00	11	-883.64	5	6127.28	11	293.38	9
0	Min.	301	0.00	1	0.00	1	0.00	1	38551.50	11	-137156.00	17	-10626.70	17	-11606.70	17	-329.64	17
0	Min.	302	0.00	1	0.00	1	0.00	1	38551.50	11	-137156.00	17	-10626.70	17	-11606.70	17	-329.64	17
0	Min.	283	0.00	1	0.00	1	0.00	1	38551.50	11	-137156.00	17	-10626.70	17	-11606.70	17	-329.64	17
0	Min.	282	0.00	1	0.00	1	0.00	1	38551.50	11	-137156.00	17	-10626.70	17	-11606.70	17	-329.64	17
0	Max	274	0.00	1	0.00	1	0.00	1	49990.90	17	33272.50	17	-883.64	9	9339.37	17	1136.57	17
0	Max	297	0.00	1	0.00	1	0.00	1	49990.90	17	33272.50	17	-883.64	9	9339.37	17	1136.57	17
0	Max	278	0.00	1	0.00	1	0.00	1	49990.90	17	33272.50	17	-883.64	9	9339.37	17	1136.57	17
0	Max	273	0.00	1	0.00	1	0.00	1	49990.90	17	33272.50	17	-883.64	9	9339.37	17	1136.57	17
0	Min.	274	0.00	1	0.00	1	0.00	1	37521.50	18	3408.61	7	-9058.57	17	4416.76	7	203.30	5
0	Min.	297	0.00	1	0.00	1	0.00	1	37521.50	18	3408.61	7	-9058.57	17	4416.76	7	203.30	5
0	Min.	278	0.00	1	0.00	1	0.00	1	37521.50	18	3408.61	7	-9058.57	17	4416.76	7	203.30	5
0	Min.	273	0.00	1	0.00	1	0.00	1	37521.50	18	3408.61	7	-9058.57	17	4416.76	7	203.30	5
0	Max	292	0.00	1	0.00	1	0.00	1	55273.90	11	372458.00	17	31161.00	17	34424.60	17	2187.71	7
0	Max	293	0.00	1	0.00	1	0.00	1	55273.90	11	372458.00	17	31161.00	17	34424.60	17	2187.71	7
0	Max	264	0.00	1	0.00	1	0.00	1	55273.90	11	372458.00	17	31161.00	17	34424.60	17	2187.71	7
0	Max	263	0.00	1	0.00	1	0.00	1	55273.90	11	372458.00	17	31161.00	17	34424.60	17	2187.71	7
0	Min.	292	0.00	1	0.00	1	0.00	1	-17258.10	17	12471.80	11	-4040.02	9	7294.77	11	-1516.38	17
0	Min.	293	0.00	1	0.00	1	0.00	1	-17258.10	17	12471.80	11	-4040.02	9	7294.77	11	-1516.38	17
0	Min.	264	0.00	1	0.00	1	0.00	1	-17258.10	17	12471.80	11	-4040.02	9	7294.77	11	-1516.38	17
0	Min.	263	0.00	1	0.00	1	0.00	1	-17258.10	17	12471.80	11	-4040.02	9	7294.77	11	-1516.38	17
0	Max	297	0.00	1	0.00	1	0.00	1	56359.70	17	17182.30	1	-859.03	9	6120.24	1	904.13	17
0	Max	298	0.00	1	0.00	1	0.00	1	56359.70	17	17182.30	1	-859.03	9	6120.24	1	904.13	17
0	Max	279	0.00	1	0.00	1	0.00	1	56359.70	17	17182.30	1	-859.03	9	6120.24	1	904.13	17
0	Max	278	0.00	1	0.00	1	0.00	1	56359.70	17	17182.30	1	-859.03	9	6120.24	1	904.13	17
0	Min.	297	0.00	1	0.00	1	0.00	1	38549.00	1	-14376.70	17	-11377.00	17	2861.22	18	200.23	5
0	Min.	298	0.00	1	0.00	1	0.00	1	38549.00	1	-14376.70	17	-11377.00	17	2861.22	18	200.23	5
0	Min.	279	0.00	1	0.00	1	0.00	1	38549.00	1	-14376.70	17	-11377.00	17	2861.22	18	200.23	5
0	Min.	278	0.00	1	0.00	1	0.00	1	38549.00	1	-14376.70	17	-11377.00	17	2861.22	18	200.23	5
0	Max	320	0.00	1	0.00	1	0.00	1	39525.00	17	5049.67	11	-704.24	9	3900.27	11	166.66	5
0	Max	321	0.00	1	0.00	1	0.00	1	39525.00	17	5049.67	11	-704.24	9	3900.27	11	166.66	5
0	Max	302	0.00	1	0.00	1	0.00	1	39525.00	17	5049.67	11	-704.24	9	3900.27	11	166.66	5
0	Max	301	0.00	1	0.00	1	0.00	1	39525.00	17	5049.67	11	-704.24	9	3900.27	11	166.66	5
0	Min.	320	0.00	1	0.00	1	0.00	1	29580.10	18	-60037.60	17	-2707.49	17	-8574.82	17	-412.37	17
0	Min.	321	0.00	1	0.00	1	0.00	1	29580.10	18	-60037.60	17	-2707.49	17	-8574.82	17	-412.37	17
0	Min.	302	0.00	1	0.00	1	0.00	1	29580.10	18	-60037.60	17	-2707.49	17	-8574.82	17	-412.37	17
0	Min.	301	0.00	1	0.00	1	0.00	1	29580.10	18	-60037.60	17	-2707.49	17	-8574.82	17	-412.37	17
0	Max	325	0.00	1	0.00	1	0.00	1	40909.00	17	5049.67	7	-704.24	5	3900.27	7	1707.77	17
0	Max	326	0.00	1	0.00	1	0.00	1	40909.00	17	5049.67	7	-704.24	5	3900.27	7	1707.77	17
0	Max	307	0.00	1	0.00	1	0.00	1	40909.00	17	5049.67	7	-704.24	5	3900.27	7	1707.77	17
0	Max	306	0.00	1	0.00	1	0.00	1	40909.00	17	5049.67	7	-704.24	5	3900.27	7	1707.77	17
0	Min.	325	0.00	1	0.00	1	0.00	1	30395.90	1	-4774.15	17	-1955.38	17	2223.95	18	17.63	9
0	Min.	326	0.00	1	0.00	1	0.00	1	30395.90	1	-4774.15	17	-1955.38	17	2223.95	18	17.63	9
0	Min.	307	0.00	1	0.00	1	0.00	1	30395.90	1	-4774.15	17	-1955.38	17	2223.95	18	17.63	9
0	Min.	306	0.00	1	0.00	1	0.00	1	30395.90	1	-4774.15	17	-1955.38	17	2223.95	18	17.63	9
0	Max	333	0.00	1	0.00	1	0.00	1	42104.10	17	46285.50	17	555.68	17	13450.70	17	163.66	9
0	Max	334	0.00	1	0.00	1	0.00	1	42104.10	17	46285.50	17	555.68	17	13450.70	17	163.66	9
0	Max	315	0.00	1	0.00	1	0.00	1	42104.10	17	46285.50	17	555.68	17	13450.70	17	163.66	9
0	Max	314	0.00	1	0.00	1	0.00	1	42104.10	17	46285.50	17	555.68	17	13450.70	17	163.66	9
0	Min.	333	0.00	1	0.00	1	0.00	1	30396.40	5	-689.52	5	-862.40	11	2713.14	5	-866.36	17
0	Min.	334	0.00	1	0.00	1	0.00	1	30396.40	5	-689.52	5	-862.40	11	2713.14	5	-866.36	17
0	Min.	315	0.00	1	0.00	1	0.00	1	30396.40	5	-689.52	5	-862.40	11	2713.14	5	-866.36	17
0	Min.	314	0.00	1	0.00	1	0.00	1	30396.40	5	-689.52	5	-862.40	11	2713.14	5	-866.36	17
0	Max	312	0.00	1	0.00	1	0.00	1	40388.40	11	163691.00	17	4012.14	17	25588.00	17	1137.88	17
0	Max	313	0.00	1	0.00	1	0.00	1	40388.40	11	163691.00	17	4012.14	17	25588.00	17	1137.88	17
0	Max	294	0.00	1	0.00	1	0.00	1	40388.40	11	163691.00	17	4012.14	17	25588.00	17	1137.88	17
0	Max	293	0.00	1	0.00	1	0.00	1	40388.40	11	163691.00	17	4012.14	17	25588.00	17	1137.88	17
0	Min.	312	0.00	1	0.00	1	0.00	1	26238.20	18	3449.25	11	-1873.80	5	4423.81	11	200.23	9
0	Min.	313	0.00	1	0.00	1	0.00	1	26238.20	18	3449.25	11	-1873.80	5	4423.81	11	200.23	9
0	Min.	294	0.00	1	0.00	1	0.00	1	26238.20	18	3449.25	11	-1873.80	5	4423.81	11	200.23	9
0	Min.	293	0.00	1	0.00	1	0.00	1	26238.20	18	3449.25	11	-1873.80	5	4423.81	11	200.23	9
0	Max	336	0.00	1	0.00	1	0.00	1	30095.70	17	-23.46	9	2220.39	17	2149.61	1	62.10	11
0	Max	337	0.00	1	0.00	1	0.00	1	30095.70	17	-23.46	9	2220.39	17	2149.61	1	62.10	11
0	Max	318	0.00	1	0.00	1	0.00	1	30095.70	17	-23.46	9	2220.39	17	2149.61	1	62.10	11
0	Max	317	0.00	1	0.00	1	0.00	1	30095.70	17	-23.46	9	2220.39	17	2149.61	1	62.10	11
0	Min.	336	0.00	1	0.00	1	0.00	1	22618.90	18	-11346.60	17	-604.90	5	-1441.95	17	-577.58	17
0	Min.	337	0.00	1	0.00	1	0.00	1	22618.90	18	-11346.60	17	-604.90	5	-1441.95	17	-577.58	17
0	Min.	318	0.00	1	0.00	1	0.00	1	22618.90	18	-11346.60	17	-604.90	5	-1441.95	17	-577.58	17
0	Min.	317	0.00	1	0.00	1	0.00	1	22618.90	18	-11346.60	17	-604.90	5	-1441.95	17	-577.58	17
0	Max	303	0.00	1	0.00	1	0.00	1	71306.70	17	16469.50	11	-877.07	7	6032.94	5	294.75	9
0	Max	304	0.00	1	0.00	1	0.00	1	71306.70	17	16469.50	11	-877.07	7	6032.94	5	294.75	9
0	Max	285	0.00	1	0.00	1	0.00	1	71306.70	17	16469.50	11	-877.07	7	6032.94	5	294.75	9
0	Max	284	0.00	1	0.00	1	0.00	1	71306.70	17	16469.50	11	-877.07	7	6032.94	5	294.75	9
0	Min.	303	0.00	1	0.00	1	0.00	1	38636.60	11	-119627.00	17	-4835.17	17	-9348.04	17	-710.25	17
0	Min.	304	0.00	1	0.00	1	0.00	1	38636.60	11	-119627.00	17	-4835.17	17	-9348.04	17	-710.25	17
0	Min.	285	0.00	1	0.00	1	0.00	1	38636.60	11	-119627.00	17	-4835.17	17	-9348.04	17	-710.25	17
0	Min.	284	0.00	1	0.00	1	0.00	1	38636.60	11	-119627.00	17	-4835.17	17	-9348.04	17	-710.25	17
0	Max	346	0.00	1	0.00	1	0.00	1	34961.30	17	9057.15	17	-314.22	5	6373.07	17	663.32	17
0	Max	347	0.00	1	0.00	1	0.00	1	34961.30	17	9057.15	17	-314.22	5	6373.07	17	663.32	17
0	Max	328	0.00	1	0.00	1	0.00	1	34961.30	17	9057.15	17	-314.22	5	6373.07	17	663.32	17
0	Max	327	0.00	1	0.00	1	0.00	1	34961.30	17	9057.15	17	-314.22	5	6373.07	17	663.32	17
0	Min.	346	0.00	1	0.00	1	0.00	1	23917.40	1	-1709.83	9	-3472.14	17	1497.45	1	5.08	11
0	Min.	347	0.00	1	0.00	1	0.00	1	23917.40	1	-1709.83	9	-3472.14	17	1497.45	1	5.08	11
0	Min.	328	0.00	1	0.00	1	0.00	1	23917.40	1	-1709.83	9	-3472.14	17	1497.45	1	5.08	11
0	Min.	327	0.00	1	0.00	1	0.00	1	23917.40	1	-1709.83	9	-3472.14	17	1497.45	1	5.08	11
0	Max	348	0.00	1	0.00	1	0.00	1	37160.90	17	17804.70	17	-305.21	5	9786.54	17	437.26	17
0	Max	349	0.00	1	0.00	1	0.00	1	37160.90	17	17804.70	17	-305.21	5	9786.54	17	437.26	17
0	Max	330	0.00	1	0.00	1	0.00	1	37160.90	17	17804.70	17	-305.21	5	9786.54	17	437.26	17
0	Max	329	0.00	1	0.00	1	0.00	1	37160.90	17	17804.70	17	-305.21	5	9786.54	17	437.26	17
0	Min.	348	0.00	1	0.00	1	0.00	1	23892.70	9	-1812.13	9	-1786.23	17	1456.72	9	4.07	5

0	Min.	349	0.00	1	0.00	1	0.00	1	23892.70	9	-1812.13	9	-1786.23	17	1456.72	9	4.07	5
0	Min.	330	0.00	1	0.00	1	0.00	1	23892.70	9	-1812.13	9	-1786.23	17	1456.72	9	4.07	5
0	Min.	329	0.00	1	0.00	1	0.00	1	23892.70	9	-1812.13	9	-1786.23	17	1456.72	9	4.07	5
0	Max	354	0.00	1	0.00	1	0.00	1	25952.80	17	-429.05	1	1449.61	17	713.78	1	742.21	17
0	Max	355	0.00	1	0.00	1	0.00	1	25952.80	17	-429.05	1	1449.61	17	713.78	1	742.21	17
0	Max	336	0.00	1	0.00	1	0.00	1	25952.80	17	-429.05	1	1449.61	17	713.78	1	742.21	17
0	Max	335	0.00	1	0.00	1	0.00	1	25952.80	17	-429.05	1	1449.61	17	713.78	1	742.21	17
0	Min.	354	0.00	1	0.00	1	0.00	1	19407.00	18	-1539.23	17	-350.58	11	217.00	18	-26.11	11
0	Min.	355	0.00	1	0.00	1	0.00	1	19407.00	18	-1539.23	17	-350.58	11	217.00	18	-26.11	11
0	Min.	336	0.00	1	0.00	1	0.00	1	19407.00	18	-1539.23	17	-350.58	11	217.00	18	-26.11	11
0	Min.	335	0.00	1	0.00	1	0.00	1	19407.00	18	-1539.23	17	-350.58	11	217.00	18	-26.11	11
0	Max	372	0.00	1	0.00	1	0.00	1	28703.20	17	720.00	17	1314.35	17	1996.41	17	711.93	17
0	Max	277	0.00	1	0.00	1	0.00	1	28703.20	17	720.00	17	1314.35	17	1996.41	17	711.93	17
0	Max	276	0.00	1	0.00	1	0.00	1	28703.20	17	720.00	17	1314.35	17	1996.41	17	711.93	17
0	Max	353	0.00	1	0.00	1	0.00	1	28703.20	17	720.00	17	1314.35	17	1996.41	17	711.93	17
0	Min.	372	0.00	1	0.00	1	0.00	1	19678.20	5	-760.79	5	-351.20	9	454.54	5	-26.44	9
0	Min.	277	0.00	1	0.00	1	0.00	1	19678.20	5	-760.79	5	-351.20	9	454.54	5	-26.44	9
0	Min.	276	0.00	1	0.00	1	0.00	1	19678.20	5	-760.79	5	-351.20	9	454.54	5	-26.44	9
0	Min.	353	0.00	1	0.00	1	0.00	1	19678.20	5	-760.79	5	-351.20	9	454.54	5	-26.44	9
0	Max	315	0.00	1	0.00	1	0.00	1	43933.10	17	79034.30	17	-891.82	1	15011.50	17	1285.94	17
0	Max	274	0.00	1	0.00	1	0.00	1	43933.10	17	79034.30	17	-891.82	1	15011.50	17	1285.94	17
0	Max	273	0.00	1	0.00	1	0.00	1	43933.10	17	79034.30	17	-891.82	1	15011.50	17	1285.94	17
0	Max	296	0.00	1	0.00	1	0.00	1	43933.10	17	79034.30	17	-891.82	1	15011.50	17	1285.94	17
0	Min.	315	0.00	1	0.00	1	0.00	1	33483.00	18	3400.97	5	-6049.71	17	4417.55	5	202.53	11
0	Min.	274	0.00	1	0.00	1	0.00	1	33483.00	18	3400.97	5	-6049.71	17	4417.55	5	202.53	11
0	Min.	273	0.00	1	0.00	1	0.00	1	33483.00	18	3400.97	5	-6049.71	17	4417.55	5	202.53	11
0	Min.	296	0.00	1	0.00	1	0.00	1	33483.00	18	3400.97	5	-6049.71	17	4417.55	5	202.53	11
0	Max	310	0.00	1	0.00	1	0.00	1	40393.70	9	151771.00	17	8370.79	17	24205.80	17	613.61	17
0	Max	311	0.00	1	0.00	1	0.00	1	40393.70	9	151771.00	17	8370.79	17	24205.80	17	613.61	17
0	Max	292	0.00	1	0.00	1	0.00	1	40393.70	9	151771.00	17	8370.79	17	24205.80	17	613.61	17
0	Max	291	0.00	1	0.00	1	0.00	1	40393.70	9	151771.00	17	8370.79	17	24205.80	17	613.61	17
0	Min.	310	0.00	1	0.00	1	0.00	1	27548.70	18	3400.97	9	-1841.11	11	4417.55	9	202.53	1
0	Min.	311	0.00	1	0.00	1	0.00	1	27548.70	18	3400.97	9	-1841.11	11	4417.55	9	202.53	1
0	Min.	292	0.00	1	0.00	1	0.00	1	27548.70	18	3400.97	9	-1841.11	11	4417.55	9	202.53	1
0	Min.	291	0.00	1	0.00	1	0.00	1	27548.70	18	3400.97	9	-1841.11	11	4417.55	9	202.53	1
0	Max	300	0.00	1	0.00	1	0.00	1	71310.60	17	17230.60	9	-891.82	11	6126.50	9	294.12	1
0	Max	301	0.00	1	0.00	1	0.00	1	71310.60	17	17230.60	9	-891.82	11	6126.50	9	294.12	1
0	Max	282	0.00	1	0.00	1	0.00	1	71310.60	17	17230.60	9	-891.82	11	6126.50	9	294.12	1
0	Max	281	0.00	1	0.00	1	0.00	1	71310.60	17	17230.60	9	-891.82	11	6126.50	9	294.12	1
0	Min.	300	0.00	1	0.00	1	0.00	1	38543.70	9	-123799.00	17	-12383.70	17	-9999.92	17	-37.22	17
0	Min.	301	0.00	1	0.00	1	0.00	1	38543.70	9	-123799.00	17	-12383.70	17	-9999.92	17	-37.22	17
0	Min.	282	0.00	1	0.00	1	0.00	1	38543.70	9	-123799.00	17	-12383.70	17	-9999.92	17	-37.22	17
0	Min.	281	0.00	1	0.00	1	0.00	1	38543.70	9	-123799.00	17	-12383.70	17	-9999.92	17	-37.22	17
0	Max	291	0.00	1	0.00	1	0.00	1	55217.80	9	344680.00	17	23888.60	17	33372.70	17	2170.53	5
0	Max	292	0.00	1	0.00	1	0.00	1	55217.80	9	344680.00	17	23888.60	17	33372.70	17	2170.53	5
0	Max	263	0.00	1	0.00	1	0.00	1	55217.80	9	344680.00	17	23888.60	17	33372.70	17	2170.53	5
0	Max	262	0.00	1	0.00	1	0.00	1	55217.80	9	344680.00	17	23888.60	17	33372.70	17	2170.53	5
0	Min.	291	0.00	1	0.00	1	0.00	1	-11145.30	17	12526.00	9	-4006.52	9	7332.56	9	-10772.20	17
0	Min.	292	0.00	1	0.00	1	0.00	1	-11145.30	17	12526.00	9	-4006.52	9	7332.56	9	-10772.20	17
0	Min.	263	0.00	1	0.00	1	0.00	1	-11145.30	17	12526.00	9	-4006.52	9	7332.56	9	-10772.20	17
0	Min.	262	0.00	1	0.00	1	0.00	1	-11145.30	17	12526.00	9	-4006.52	9	7332.56	9	-10772.20	17
0	Max	278	0.00	1	0.00	1	0.00	1	89773.60	17	42905.40	1	2237.77	17	9364.37	1	30430.80	17
0	Max	279	0.00	1	0.00	1	0.00	1	89773.60	17	42905.40	1	2237.77	17	9364.37	1	30430.80	17
0	Max	250	0.00	1	0.00	1	0.00	1	89773.60	17	42905.40	1	2237.77	17	9364.37	1	30430.80	17
0	Max	249	0.00	1	0.00	1	0.00	1	89773.60	17	42905.40	1	2237.77	17	9364.37	1	30430.80	17
0	Min.	278	0.00	1	0.00	1	0.00	1	47486.20	1	-30730.40	17	-4022.16	7	3466.04	18	-554.55	11
0	Min.	279	0.00	1	0.00	1	0.00	1	47486.20	1	-30730.40	17	-4022.16	7	3466.04	18	-554.55	11
0	Min.	250	0.00	1	0.00	1	0.00	1	47486.20	1	-30730.40	17	-4022.16	7	3466.04	18	-554.55	11
0	Min.	249	0.00	1	0.00	1	0.00	1	47486.20	1	-30730.40	17	-4022.16	7	3466.04	18	-554.55	11
0	Max	329	0.00	1	0.00	1	0.00	1	42486.80	17	60511.30	17	177.43	17	16346.30	17	1106.93	17
0	Max	330	0.00	1	0.00	1	0.00	1	42486.80	17	60511.30	17	177.43	17	16346.30	17	1106.93	17
0	Max	311	0.00	1	0.00	1	0.00	1	42486.80	17	60511.30	17	177.43	17	16346.30	17	1106.93	17
0	Max	310	0.00	1	0.00	1	0.00	1	42486.80	17	60511.30	17	177.43	17	16346.30	17	1106.93	17
0	Min.	329	0.00	1	0.00	1	0.00	1	30395.80	9	-709.70	9	-867.20	9	2708.29	9	15.39	5
0	Min.	330	0.00	1	0.00	1	0.00	1	30395.80	9	-709.70	9	-867.20	9	2708.29	9	15.39	5
0	Min.	311	0.00	1	0.00	1	0.00	1	30395.80	9	-709.70	9	-867.20	9	2708.29	9	15.39	5
0	Min.	310	0.00	1	0.00	1	0.00	1	30395.80	9	-709.70	9	-867.20	9	2708.29	9	15.39	5
0	Max	276	0.00	1	0.00	1	0.00	1	33224.40	17	1297.73	17	2819.11	17	3464.05	17	62.43	9
0	Max	335	0.00	1	0.00	1	0.00	1	33224.40	17	1297.73	17	2819.11	17	3464.05	17	62.43	9
0	Max	316	0.00	1	0.00	1	0.00	1	33224.40	17	1297.73	17	2819.11	17	3464.05	17	62.43	9
0	Max	275	0.00	1	0.00	1	0.00	1	33224.40	17	1297.73	17	2819.11	17	3464.05	17	62.43	9
0	Min.	276	0.00	1	0.00	1	0.00	1	23893.80	7	-1813.55	7	-617.62	11	1456.85	7	-566.65	17
0	Min.	335	0.00	1	0.00	1	0.00	1	23893.80	7	-1813.55	7	-617.62	11	1456.85	7	-566.65	17
0	Min.	316	0.00	1	0.00	1	0.00	1	23893.80	7	-1813.55	7	-617.62	11	1456.85	7	-566.65	17
0	Min.	275	0.00	1	0.00	1	0.00	1	23893.80	7	-1813.55	7	-617.62	11	1456.85	7	-566.65	17
0	Max	352	0.00	1	0.00	1	0.00	1	36087.30	17	13009.20	17	2101.93	17	7988.67	17	60.88	9
0	Max	353	0.00	1	0.00	1	0.00	1	36087.30	17	13009.20	17	2101.93	17	7988.67	17	60.88	9
0	Max	334	0.00	1	0.00	1	0.00	1	36087.30	17	13009.20	17	2101.93	17	7988.67	17	60.88	9
0	Max	333	0.00	1	0.00	1	0.00	1	36087.30	17	13009.20	17	2101.93	17	7988.67	17	60.88	9
0	Min.	352	0.00	1	0.00	1	0.00	1	23895.70	5	-1806.99	5	-617.15	9	1459.50	5	-322.89	17
0	Min.	353	0.00	1	0.00	1	0.00	1	23895.70	5	-1806.99	5	-617.15	9	1459.50	5	-322.89	17
0	Min.	334	0.00	1	0.00	1	0.00	1	23895.70	5	-1806.99	5	-617.15	9	1459.50	5	-322.89	17
0	Min.	333	0.00	1	0.00	1	0.00	1	23895.70	5	-1806.99	5	-617.15	9	1459.50	5	-322.89	17
0	Max	337	0.00	1	0.00	1	0.00	1	28814.20	17	73.72	9	1480.47	17	2187.56	9	60.88	5
0	Max	338	0.00	1	0.00	1	0.00	1	28814.20	17	73.72	9	1480.47	17	2187.56	9	60.88	5
0	Max	319	0.00	1	0.00	1	0.00	1	28814.20	17	73.72	9	1480.47	17	2187.56	9	60.88	5
0	Max	318	0.00	1	0.00	1	0.00	1	28814.20	17	73.72	9	1480.47	17	2187.56	9	60.88	5
0	Min.	337	0.00	1	0.00	1	0.00	1	21764.50	18	-16470.50	17	-617.15	5	-3437.60	17	-490.66	17
0	Min.	338	0.00	1	0.00	1	0.00	1	21764.50	18	-16470.50	17	-617.15	5	-3437.60	17	-490.66	17
0	Min.	319	0.00	1	0.00	1	0.00	1	21764.50	18	-16470.50	17	-617.15	5	-3437.60	17	-490.66	17
0	Min.	318	0.00	1	0.00	1	0.00	1	21764.50	18	-16470.50	17	-617.15	5	-3437.60	17	-490.66	17
0	Max	339	0.00	1	0.00	1	0.00	1	27431.70	17	80.25	11	-301.52	1	2190.21	11	62.43	5
0	Max	340	0.00	1	0.00	1	0.00	1	27431.70	17	80.25	11	-301.52	1	2190.21	11	62.43	5
0	Max	321	0.00	1	0.00	1	0.00	1	27431.70	17	80.25	11	-301.52	1	2190.21	11	62.43	5
0	Max	320	0.00	1	0.00	1	0.00	1	27431.70	17	80.25	11	-301.52	1	2190.21	11	62.43	5
0	Min.	339	0.00	1	0.00	1	0.00	1	20842.90	18	-21863.00	17	-617.62	7	-5556.60	17	-173.77	17
0	Min.	340	0.00	1	0.00	1	0.00	1	20842.90	18	-21863.00	17	-617.62	7	-5556.60	17	-173.77	17
0	Min.	321	0.00	1	0.00	1	0.00	1	20842.90	18	-21863.00	17	-617.62	7	-5556.60	17	-173.77	17
0	Min.	320	0.00	1	0.00	1	0.00	1	20842.90	18	-21863.00	17	-617.62	7	-5556.60	17	-173.77	17
0	Max	345	0.00	1	0.00	1	0.00	1	33441.70	17	2934.66	17	-306.91	11	3994.93	17	689.50	17
0	Max	346	0.00	1	0.00	1	0.00	1	33441.70	17	2934.66	17	-306.91	11	3994.93	17	689.50	17
0	Max	327	0.00	1	0.00	1	0.00	1	33441.70	17	2934.66	17	-306.91	11	3994.93	17	689.50	17
0	Max	326	0.00	1	0.00	1	0.00	1	33441.70	17	2934.66	17	-306.91	11	3994.93	17	689.50	17
0	Min.	345	0.00	1	0.00	1	0.00	1	23894.20	1	-1805.10	1	-3933.32	17	1459.33	1	3.99	11
0	Min.	346	0.00	1	0.00	1	0.00	1	23894.20	1	-1805.10	1	-3933.32	17	1459.33	1	3.99	11

0	Min.	327	0.00	1	0.00	1	0.00	1	23894.20	1	-1805.10	1	-3933.32	17	1459.33	1	3.99	11
0	Min.	326	0.00	1	0.00	1	0.00	1	23894.20	1	-1805.10	1	-3933.32	17	1459.33	1	3.99	11
0	Max	307	0.00	1	0.00	1	0.00	1	49982.70	17	42349.00	17	7364.20	17	10757.50	17	296.40	5
0	Max	308	0.00	1	0.00	1	0.00	1	49982.70	17	42349.00	17	7364.20	17	10757.50	17	296.40	5
0	Max	289	0.00	1	0.00	1	0.00	1	49982.70	17	42349.00	17	7364.20	17	10757.50	17	296.40	5
0	Max	288	0.00	1	0.00	1	0.00	1	49982.70	17	42349.00	17	7364.20	17	10757.50	17	296.40	5
0	Min.	307	0.00	1	0.00	1	0.00	1	37516.00	18	3449.25	1	-1873.80	9	4423.81	1	-327.76	17
0	Min.	308	0.00	1	0.00	1	0.00	1	37516.00	18	3449.25	1	-1873.80	9	4423.81	1	-327.76	17
0	Min.	289	0.00	1	0.00	1	0.00	1	37516.00	18	3449.25	1	-1873.80	9	4423.81	1	-327.76	17
0	Min.	288	0.00	1	0.00	1	0.00	1	37516.00	18	3449.25	1	-1873.80	9	4423.81	1	-327.76	17
0	Max	341	0.00	1	0.00	1	0.00	1	27996.10	17	-23.46	5	-314.22	9	2149.61	11	225.87	17
0	Max	342	0.00	1	0.00	1	0.00	1	27996.10	17	-23.46	5	-314.22	9	2149.61	11	225.87	17
0	Max	323	0.00	1	0.00	1	0.00	1	27996.10	17	-23.46	5	-314.22	9	2149.61	11	225.87	17
0	Max	322	0.00	1	0.00	1	0.00	1	27996.10	17	-23.46	5	-314.22	9	2149.61	11	225.87	17
0	Min.	341	0.00	1	0.00	1	0.00	1	21219.20	18	-19341.70	17	-2569.30	17	-4611.40	17	5.08	1
0	Min.	342	0.00	1	0.00	1	0.00	1	21219.20	18	-19341.70	17	-2569.30	17	-4611.40	17	5.08	1
0	Min.	323	0.00	1	0.00	1	0.00	1	21219.20	18	-19341.70	17	-2569.30	17	-4611.40	17	5.08	1
0	Min.	322	0.00	1	0.00	1	0.00	1	21219.20	18	-19341.70	17	-2569.30	17	-4611.40	17	5.08	1
0	Max	298	0.00	1	0.00	1	0.00	1	62416.30	17	16469.50	1	-877.07	11	6032.94	9	611.33	17
0	Max	299	0.00	1	0.00	1	0.00	1	62416.30	17	16469.50	1	-877.07	11	6032.94	9	611.33	17
0	Max	280	0.00	1	0.00	1	0.00	1	62416.30	17	16469.50	1	-877.07	11	6032.94	9	611.33	17
0	Max	279	0.00	1	0.00	1	0.00	1	62416.30	17	16469.50	1	-877.07	11	6032.94	9	611.33	17
0	Min.	298	0.00	1	0.00	1	0.00	1	38636.60	1	-59249.80	17	-12778.40	17	-2084.99	17	201.91	5
0	Min.	299	0.00	1	0.00	1	0.00	1	38636.60	1	-59249.80	17	-12778.40	17	-2084.99	17	201.91	5
0	Min.	280	0.00	1	0.00	1	0.00	1	38636.60	1	-59249.80	17	-12778.40	17	-2084.99	17	201.91	5
0	Min.	279	0.00	1	0.00	1	0.00	1	38636.60	1	-59249.80	17	-12778.40	17	-2084.99	17	201.91	5
0	Max	359	0.00	1	0.00	1	0.00	1	22404.40	17	-429.05	11	-183.87	1	713.78	11	41.40	1
0	Max	360	0.00	1	0.00	1	0.00	1	22404.40	17	-429.05	11	-183.87	1	713.78	11	41.40	1
0	Max	341	0.00	1	0.00	1	0.00	1	22404.40	17	-429.05	11	-183.87	1	713.78	11	41.40	1
0	Max	340	0.00	1	0.00	1	0.00	1	22404.40	17	-429.05	11	-183.87	1	713.78	11	41.40	1
0	Min.	359	0.00	1	0.00	1	0.00	1	17041.40	18	-4398.15	17	-719.68	17	-2022.89	17	-177.00	17
0	Min.	360	0.00	1	0.00	1	0.00	1	17041.40	18	-4398.15	17	-719.68	17	-2022.89	17	-177.00	17
0	Min.	341	0.00	1	0.00	1	0.00	1	17041.40	18	-4398.15	17	-719.68	17	-2022.89	17	-177.00	17
0	Min.	340	0.00	1	0.00	1	0.00	1	17041.40	18	-4398.15	17	-719.68	17	-2022.89	17	-177.00	17
0	Max	366	0.00	1	0.00	1	0.00	1	30084.10	17	1922.51	17	-183.94	5	2896.23	17	42.07	5
0	Max	367	0.00	1	0.00	1	0.00	1	30084.10	17	1922.51	17	-183.94	5	2896.23	17	42.07	5
0	Max	348	0.00	1	0.00	1	0.00	1	30084.10	17	1922.51	17	-183.94	5	2896.23	17	42.07	5
0	Max	347	0.00	1	0.00	1	0.00	1	30084.10	17	1922.51	17	-183.94	5	2896.23	17	42.07	5
0	Min.	366	0.00	1	0.00	1	0.00	1	19679.90	9	-760.25	9	-1615.90	17	455.33	9	-473.53	17
0	Min.	367	0.00	1	0.00	1	0.00	1	19679.90	9	-760.25	9	-1615.90	17	455.33	9	-473.53	17
0	Min.	348	0.00	1	0.00	1	0.00	1	19679.90	9	-760.25	9	-1615.90	17	455.33	9	-473.53	17
0	Min.	347	0.00	1	0.00	1	0.00	1	19679.90	9	-760.25	9	-1615.90	17	455.33	9	-473.53	17
0	Max	368	0.00	1	0.00	1	0.00	1	31256.50	17	2859.49	17	-183.32	7	3640.70	17	42.23	7
0	Max	369	0.00	1	0.00	1	0.00	1	31256.50	17	2859.49	17	-183.32	7	3640.70	17	42.23	7
0	Max	350	0.00	1	0.00	1	0.00	1	31256.50	17	2859.49	17	-183.32	7	3640.70	17	42.23	7
0	Max	349	0.00	1	0.00	1	0.00	1	31256.50	17	2859.49	17	-183.32	7	3640.70	17	42.23	7
0	Min.	368	0.00	1	0.00	1	0.00	1	19678.40	11	-761.35	11	-580.22	17	454.42	11	-39.43	17
0	Min.	369	0.00	1	0.00	1	0.00	1	19678.40	11	-761.35	11	-580.22	17	454.42	11	-39.43	17
0	Min.	350	0.00	1	0.00	1	0.00	1	19678.40	11	-761.35	11	-580.22	17	454.42	11	-39.43	17
0	Min.	349	0.00	1	0.00	1	0.00	1	19678.40	11	-761.35	11	-580.22	17	454.42	11	-39.43	17
0	Max	319	0.00	1	0.00	1	0.00	1	39649.70	17	5049.31	9	-706.68	9	3900.77	9	168.93	5
0	Max	320	0.00	1	0.00	1	0.00	1	39649.70	17	5049.31	9	-706.68	9	3900.77	9	168.93	5
0	Max	301	0.00	1	0.00	1	0.00	1	39649.70	17	5049.31	9	-706.68	9	3900.77	9	168.93	5
0	Max	300	0.00	1	0.00	1	0.00	1	39649.70	17	5049.31	9	-706.68	9	3900.77	9	168.93	5
0	Min.	319	0.00	1	0.00	1	0.00	1	29663.30	18	-54558.40	17	-2361.89	17	-7428.57	17	-879.20	17
0	Min.	320	0.00	1	0.00	1	0.00	1	29663.30	18	-54558.40	17	-2361.89	17	-7428.57	17	-879.20	17
0	Min.	301	0.00	1	0.00	1	0.00	1	29663.30	18	-54558.40	17	-2361.89	17	-7428.57	17	-879.20	17
0	Min.	300	0.00	1	0.00	1	0.00	1	29663.30	18	-54558.40	17	-2361.89	17	-7428.57	17	-879.20	17
0	Max	371	0.00	1	0.00	1	0.00	1	29865.90	17	1681.29	17	992.92	17	2742.15	17	591.13	17
0	Max	372	0.00	1	0.00	1	0.00	1	29865.90	17	1681.29	17	992.92	17	2742.15	17	591.13	17
0	Max	353	0.00	1	0.00	1	0.00	1	29865.90	17	1681.29	17	992.92	17	2742.15	17	591.13	17
0	Max	352	0.00	1	0.00	1	0.00	1	29865.90	17	1681.29	17	992.92	17	2742.15	17	591.13	17
0	Min.	371	0.00	1	0.00	1	0.00	1	19679.90	5	-760.25	5	-350.64	9	455.33	5	-26.77	9
0	Min.	372	0.00	1	0.00	1	0.00	1	19679.90	5	-760.25	5	-350.64	9	455.33	5	-26.77	9
0	Min.	353	0.00	1	0.00	1	0.00	1	19679.90	5	-760.25	5	-350.64	9	455.33	5	-26.77	9
0	Min.	352	0.00	1	0.00	1	0.00	1	19679.90	5	-760.25	5	-350.64	9	455.33	5	-26.77	9
0	Max	305	0.00	1	0.00	1	0.00	1	62409.20	17	17230.60	5	2036.76	17	6126.50	5	294.12	11
0	Max	306	0.00	1	0.00	1	0.00	1	62409.20	17	17230.60	5	2036.76	17	6126.50	5	294.12	11
0	Max	287	0.00	1	0.00	1	0.00	1	62409.20	17	17230.60	5	2036.76	17	6126.50	5	294.12	11
0	Max	286	0.00	1	0.00	1	0.00	1	62409.20	17	17230.60	5	2036.76	17	6126.50	5	294.12	11
0	Min.	305	0.00	1	0.00	1	0.00	1	38543.70	5	-51062.10	17	-1841.11	1	-805.67	17	-709.56	17
0	Min.	306	0.00	1	0.00	1	0.00	1	38543.70	5	-51062.10	17	-1841.11	1	-805.67	17	-709.56	17
0	Min.	287	0.00	1	0.00	1	0.00	1	38543.70	5	-51062.10	17	-1841.11	1	-805.67	17	-709.56	17
0	Min.	286	0.00	1	0.00	1	0.00	1	38543.70	5	-51062.10	17	-1841.11	1	-805.67	17	-709.56	17
0	Max	296	0.00	1	0.00	1	0.00	1	55217.80	5	176183.00	17	23956.40	17	18165.80	17	28965.20	17
0	Max	273	0.00	1	0.00	1	0.00	1	55217.80	5	176183.00	17	23956.40	17	18165.80	17	28965.20	17
0	Max	2	0.00	1	0.00	1	0.00	1	55217.80	5	176183.00	17	23956.40	17	18165.80	17	28965.20	17
0	Max	267	0.00	1	0.00	1	0.00	1	55217.80	5	176183.00	17	23956.40	17	18165.80	17	28965.20	17
0	Min.	296	0.00	1	0.00	1	0.00	1	29798.20	18	12526.00	5	-4006.52	5	7332.56	5	-567.27	9
0	Min.	273	0.00	1	0.00	1	0.00	1	29798.20	18	12526.00	5	-4006.52	5	7332.56	5	-567.27	9
0	Min.	2	0.00	1	0.00	1	0.00	1	29798.20	18	12526.00	5	-4006.52	5	7332.56	5	-567.27	9
0	Min.	267	0.00	1	0.00	1	0.00	1	29798.20	18	12526.00	5	-4006.52	5	7332.56	5	-567.27	9
0	Max	286	0.00	1	0.00	1	0.00	1	101429.00	17	43023.90	5	-480.10	5	9378.17	5	2170.53	9
0	Max	287	0.00	1	0.00	1	0.00	1	101429.00	17	43023.90	5	-480.10	5	9378.17	5	2170.53	9
0	Max	258	0.00	1	0.00	1	0.00	1	101429.00	17	43023.90	5	-480.10	5	9378.17	5	2170.53	9
0	Max	257	0.00	1	0.00	1	0.00	1	101429.00	17	43023.90	5	-480.10	5	9378.17	5	2170.53	9
0	Min.	286	0.00	1	0.00	1	0.00	1	47448.80	5	-100855.00	17	-31923.70	17	3802.15	18	-27255.10	17
0	Min.	287	0.00	1	0.00	1	0.00	1	47448.80	5	-100855.00	17	-31923.70	17	3802.15	18	-27255.10	17
0	Min.	258	0.00	1	0.00	1	0.00	1	47448.80	5	-100855.00	17	-31923.70	17	3802.15	18	-27255.10	17
0	Min.	257	0.00	1	0.00	1	0.00	1	47448.80	5	-100855.00	17	-31923.70	17	3802.15	18	-27255.10	17
0	Max	324	0.00	1	0.00	1	0.00	1	40439.90	17	5049.31	5	-706.68	5	3900.77	5	1467.14	17
0	Max	325	0.00	1	0.00	1	0.00	1	40439.90	17	5049.31	5	-706.68	5	3900.77	5	1467.14	17
0	Max	306	0.00	1	0.00	1	0.00	1	40439.90	17	5049.31	5	-706.68	5	3900.77	5	1467.14	17
0	Max	305	0.00	1	0.00	1	0.00	1	40439.90	17	5049.31	5	-706.68	5	3900.77	5	1467.14	17
0	Min.	324	0.00	1	0.00	1	0.00	1	30190.10	18	-23867.10	17	-2412.43	17	-1133.25	17	15.39	9
0	Min.	325	0.00	1	0.00	1	0.00	1	30190.10	18	-23867.10	17	-2412.43	17	-1133.25	17	15.39	9
0	Min.	306	0.00	1	0.00	1	0.00	1	30190.10	18	-23867.10	17	-2412.43	17	-1133.25	17	15.39	9
0	Min.	305	0.00	1	0.00	1	0.00	1	30190.10	18	-23867.10	17	-2412.43	17	-1133.25	17	15.39	9
0	Max	330	0.00	1	0.00	1	0.00	1	42611.50	17	65990.50	17	523.17	17	17492.60	17	640.06	17
0	Max	331	0.00	1	0.00	1	0.00	1	42611.50	17	65990.50	17	523.17	17	17492.60	17	640.06	17
0	Max	312	0.00	1	0.00	1	0.00	1	42611.50	17	65990.50	17	523.17	17	17492.60	17	640.06	17
0	Max	311	0.00	1	0.00	1	0.00	1	42611.50	17	65990.50	17	523.17	17	17492.60	17	640.06	17
0	Min.	330	0.00	1	0.00	1	0.00	1	30395.90	11	-710.06	11	-869.55	9	2708.79	11	17.63	5
0	Min.	331	0.00	1	0.00	1	0.00	1	30395.90	11	-710.06	11	-869.55	9	2708.79	11	17.63	5
0	Min.	312	0.00	1	0.00	1	0.00	1	30395.90	11	-710.06	11	-869.55	9	2708.79	11	17.63	5

0	Min.	311	0.00	1	0.00	1	0.00	1	30395.90	11	-710.06	11	-869.55	9	2708.79	11	17.63	5
0	Max	351	0.00	1	0.00	1	0.00	1	37060.90	17	17052.30	17	1317.55	17	9542.52	17	62.10	1
0	Max	352	0.00	1	0.00	1	0.00	1	37060.90	17	17052.30	17	1317.55	17	9542.52	17	62.10	1
0	Max	333	0.00	1	0.00	1	0.00	1	37060.90	17	17052.30	17	1317.55	17	9542.52	17	62.10	1
0	Max	332	0.00	1	0.00	1	0.00	1	37060.90	17	17052.30	17	1317.55	17	9542.52	17	62.10	1
0	Min.	351	0.00	1	0.00	1	0.00	1	23917.40	11	-1709.83	5	-604.90	9	1497.45	11	-140.13	17
0	Min.	352	0.00	1	0.00	1	0.00	1	23917.40	11	-1709.83	5	-604.90	9	1497.45	11	-140.13	17
0	Min.	333	0.00	1	0.00	1	0.00	1	23917.40	11	-1709.83	5	-604.90	9	1497.45	11	-140.13	17
0	Min.	332	0.00	1	0.00	1	0.00	1	23917.40	11	-1709.83	5	-604.90	9	1497.45	11	-140.13	17
0	Max	347	0.00	1	0.00	1	0.00	1	36242.90	17	14181.10	17	-302.04	5	8368.73	17	576.41	17
0	Max	348	0.00	1	0.00	1	0.00	1	36242.90	17	14181.10	17	-302.04	5	8368.73	17	576.41	17
0	Max	329	0.00	1	0.00	1	0.00	1	36242.90	17	14181.10	17	-302.04	5	8368.73	17	576.41	17
0	Max	328	0.00	1	0.00	1	0.00	1	36242.90	17	14181.10	17	-302.04	5	8368.73	17	576.41	17
0	Min.	347	0.00	1	0.00	1	0.00	1	23895.70	9	-1806.99	9	-2732.31	17	1459.50	9	6.30	5
0	Min.	348	0.00	1	0.00	1	0.00	1	23895.70	9	-1806.99	9	-2732.31	17	1459.50	9	6.30	5
0	Min.	329	0.00	1	0.00	1	0.00	1	23895.70	9	-1806.99	9	-2732.31	17	1459.50	9	6.30	5
0	Min.	328	0.00	1	0.00	1	0.00	1	23895.70	9	-1806.99	9	-2732.31	17	1459.50	9	6.30	5
0	Max	277	0.00	1	0.00	1	0.00	1	27354.90	17	-325.69	18	1471.65	17	1132.76	17	764.00	17
0	Max	354	0.00	1	0.00	1	0.00	1	27354.90	17	-325.69	18	1471.65	17	1132.76	17	764.00	17
0	Max	335	0.00	1	0.00	1	0.00	1	27354.90	17	-325.69	18	1471.65	17	1132.76	17	764.00	17
0	Max	276	0.00	1	0.00	1	0.00	1	27354.90	17	-325.69	18	1471.65	17	1132.76	17	764.00	17
0	Min.	277	0.00	1	0.00	1	0.00	1	19678.40	7	-761.35	7	-351.23	11	454.42	7	-26.93	11
0	Min.	354	0.00	1	0.00	1	0.00	1	19678.40	7	-761.35	7	-351.23	11	454.42	7	-26.93	11
0	Min.	335	0.00	1	0.00	1	0.00	1	19678.40	7	-761.35	7	-351.23	11	454.42	7	-26.93	11
0	Min.	276	0.00	1	0.00	1	0.00	1	19678.40	7	-761.35	7	-351.23	11	454.42	7	-26.93	11
0	Max	358	0.00	1	0.00	1	0.00	1	22356.10	17	-427.19	11	-123.41	18	714.86	11	58.52	17
0	Max	359	0.00	1	0.00	1	0.00	1	22356.10	17	-427.19	11	-123.41	18	714.86	11	58.52	17
0	Max	340	0.00	1	0.00	1	0.00	1	22356.10	17	-427.19	11	-123.41	18	714.86	11	58.52	17
0	Max	339	0.00	1	0.00	1	0.00	1	22356.10	17	-427.19	11	-123.41	18	714.86	11	58.52	17
0	Min.	358	0.00	1	0.00	1	0.00	1	17009.20	18	-4451.52	17	-351.23	7	-2056.98	17	-26.93	7
0	Min.	359	0.00	1	0.00	1	0.00	1	17009.20	18	-4451.52	17	-351.23	7	-2056.98	17	-26.93	7
0	Min.	340	0.00	1	0.00	1	0.00	1	17009.20	18	-4451.52	17	-351.23	7	-2056.98	17	-26.93	7
0	Min.	339	0.00	1	0.00	1	0.00	1	17009.20	18	-4451.52	17	-351.23	7	-2056.98	17	-26.93	7
0	Max	302	0.00	1	0.00	1	0.00	1	73276.40	17	17182.30	11	-859.03	5	6120.24	11	296.40	9
0	Max	303	0.00	1	0.00	1	0.00	1	73276.40	17	17182.30	11	-859.03	5	6120.24	11	296.40	9
0	Max	284	0.00	1	0.00	1	0.00	1	73276.40	17	17182.30	11	-859.03	5	6120.24	11	296.40	9
0	Max	283	0.00	1	0.00	1	0.00	1	73276.40	17	17182.30	11	-859.03	5	6120.24	11	296.40	9
0	Min.	302	0.00	1	0.00	1	0.00	1	38549.00	11	-135718.00	17	-8024.96	17	-11382.10	17	-561.52	17
0	Min.	303	0.00	1	0.00	1	0.00	1	38549.00	11	-135718.00	17	-8024.96	17	-11382.10	17	-561.52	17
0	Min.	284	0.00	1	0.00	1	0.00	1	38549.00	11	-135718.00	17	-8024.96	17	-11382.10	17	-561.52	17
0	Min.	283	0.00	1	0.00	1	0.00	1	38549.00	11	-135718.00	17	-8024.96	17	-11382.10	17	-561.52	17
0	Max	309	0.00	1	0.00	1	0.00	1	40378.10	9	124926.00	17	9112.60	17	20924.80	17	296.48	7
0	Max	310	0.00	1	0.00	1	0.00	1	40378.10	9	124926.00	17	9112.60	17	20924.80	17	296.48	7
0	Max	291	0.00	1	0.00	1	0.00	1	40378.10	9	124926.00	17	9112.60	17	20924.80	17	296.48	7
0	Max	290	0.00	1	0.00	1	0.00	1	40378.10	9	124926.00	17	9112.60	17	20924.80	17	296.48	7
0	Min.	309	0.00	1	0.00	1	0.00	1	30043.60	18	3459.45	9	-1873.35	11	4422.76	9	200.21	1
0	Min.	310	0.00	1	0.00	1	0.00	1	30043.60	18	3459.45	9	-1873.35	11	4422.76	9	200.21	1
0	Min.	291	0.00	1	0.00	1	0.00	1	30043.60	18	3459.45	9	-1873.35	11	4422.76	9	200.21	1
0	Min.	290	0.00	1	0.00	1	0.00	1	30043.60	18	3459.45	9	-1873.35	11	4422.76	9	200.21	1
0	Max	344	0.00	1	0.00	1	0.00	1	31832.70	17	80.25	7	-301.52	11	2190.21	7	652.39	17
0	Max	345	0.00	1	0.00	1	0.00	1	31832.70	17	80.25	7	-301.52	11	2190.21	7	652.39	17
0	Max	326	0.00	1	0.00	1	0.00	1	31832.70	17	80.25	7	-301.52	11	2190.21	7	652.39	17
0	Max	325	0.00	1	0.00	1	0.00	1	31832.70	17	80.25	7	-301.52	11	2190.21	7	652.39	17
0	Min.	344	0.00	1	0.00	1	0.00	1	23776.90	18	-3587.18	17	-4070.88	17	1167.18	18	4.74	9
0	Min.	345	0.00	1	0.00	1	0.00	1	23776.90	18	-3587.18	17	-4070.88	17	1167.18	18	4.74	9
0	Min.	326	0.00	1	0.00	1	0.00	1	23776.90	18	-3587.18	17	-4070.88	17	1167.18	18	4.74	9
0	Min.	325	0.00	1	0.00	1	0.00	1	23776.90	18	-3587.18	17	-4070.88	17	1167.18	18	4.74	9
0	Max	294	0.00	1	0.00	1	0.00	1	54908.70	5	330187.00	17	35004.20	17	29844.50	17	16762.30	17
0	Max	295	0.00	1	0.00	1	0.00	1	54908.70	5	330187.00	17	35004.20	17	29844.50	17	16762.30	17
0	Max	266	0.00	1	0.00	1	0.00	1	54908.70	5	330187.00	17	35004.20	17	29844.50	17	16762.30	17
0	Max	265	0.00	1	0.00	1	0.00	1	54908.70	5	330187.00	17	35004.20	17	29844.50	17	16762.30	17
0	Min.	294	0.00	1	0.00	1	0.00	1	-4394.01	17	14106.60	5	-4029.97	11	7362.96	5	-452.48	9
0	Min.	295	0.00	1	0.00	1	0.00	1	-4394.01	17	14106.60	5	-4029.97	11	7362.96	5	-452.48	9
0	Min.	266	0.00	1	0.00	1	0.00	1	-4394.01	17	14106.60	5	-4029.97	11	7362.96	5	-452.48	9
0	Min.	265	0.00	1	0.00	1	0.00	1	-4394.01	17	14106.60	5	-4029.97	11	7362.96	5	-452.48	9
0	Max	289	0.00	1	0.00	1	0.00	1	54908.70	9	204625.00	17	2143.48	17	25090.10	17	2055.79	5
0	Max	290	0.00	1	0.00	1	0.00	1	54908.70	9	204625.00	17	2143.48	17	25090.10	17	2055.79	5
0	Max	261	0.00	1	0.00	1	0.00	1	54908.70	9	204625.00	17	2143.48	17	25090.10	17	2055.79	5
0	Max	260	0.00	1	0.00	1	0.00	1	54908.70	9	204625.00	17	2143.48	17	25090.10	17	2055.79	5
0	Min.	289	0.00	1	0.00	1	0.00	1	20964.70	18	14106.60	9	-4029.97	1	7362.96	9	-25074.10	17
0	Min.	290	0.00	1	0.00	1	0.00	1	20964.70	18	14106.60	9	-4029.97	1	7362.96	9	-25074.10	17
0	Min.	261	0.00	1	0.00	1	0.00	1	20964.70	18	14106.60	9	-4029.97	1	7362.96	9	-25074.10	17
0	Min.	260	0.00	1	0.00	1	0.00	1	20964.70	18	14106.60	9	-4029.97	1	7362.96	9	-25074.10	17
0	Max	317	0.00	1	0.00	1	0.00	1	40290.00	17	4729.01	9	-704.59	1	3834.94	1	165.72	11
0	Max	318	0.00	1	0.00	1	0.00	1	40290.00	17	4729.01	9	-704.59	1	3834.94	1	165.72	11
0	Max	299	0.00	1	0.00	1	0.00	1	40290.00	17	4729.01	9	-704.59	1	3834.94	1	165.72	11
0	Max	298	0.00	1	0.00	1	0.00	1	40290.00	17	4729.01	9	-704.59	1	3834.94	1	165.72	11
0	Min.	317	0.00	1	0.00	1	0.00	1	30090.10	18	-27791.90	17	-1343.34	17	-1871.29	17	-1484.97	17
0	Min.	318	0.00	1	0.00	1	0.00	1	30090.10	18	-27791.90	17	-1343.34	17	-1871.29	17	-1484.97	17
0	Min.	299	0.00	1	0.00	1	0.00	1	30090.10	18	-27791.90	17	-1343.34	17	-1871.29	17	-1484.97	17
0	Min.	298	0.00	1	0.00	1	0.00	1	30090.10	18	-27791.90	17	-1343.34	17	-1871.29	17	-1484.97	17
0	Max	313	0.00	1	0.00	1	0.00	1	40300.80	11	147599.00	17	822.20	17	23553.90	17	1286.66	17
0	Max	314	0.00	1	0.00	1	0.00	1	40300.80	11	147599.00	17	822.20	17	23553.90	17	1286.66	17
0	Max	295	0.00	1	0.00	1	0.00	1	40300.80	11	147599.00	17	822.20	17	23553.90	17	1286.66	17
0	Max	294	0.00	1	0.00	1	0.00	1	40300.80	11	147599.00	17	822.20	17	23553.90	17	1286.66	17
0	Min.	313	0.00	1	0.00	1	0.00	1	27551.30	18	4161.95	11	-1855.88	7	4511.09	5	201.91	9
0	Min.	314	0.00	1	0.00	1	0.00	1	27551.30	18	4161.95	11	-1855.88	7	4511.09	5	201.91	9
0	Min.	295	0.00	1	0.00	1	0.00	1	27551.30	18	4161.95	11	-1855.88	7	4511.09	5	201.91	9
0	Min.	294	0.00	1	0.00	1	0.00	1	27551.30	18	4161.95	11	-1855.88	7	4511.09	5	201.91	9
0	Max	331	0.00	1	0.00	1	0.00	1	42585.10	17	65301.30	17	710.92	17	17363.00	17	169.07	1
0	Max	332	0.00	1	0.00	1	0.00	1	42585.10	17	65301.30	17	710.92	17	17363.00	17	169.07	1
0	Max	313	0.00	1	0.00	1	0.00	1	42585.10	17	65301.30	17	710.92	17	17363.00	17	169.07	1
0	Max	312	0.00	1	0.00	1	0.00	1	42585.10	17	65301.30	17	710.92	17	17363.00	17	169.07	1
0	Min.	331	0.00	1	0.00	1	0.00	1	30396.30	11	-689.03	11	-868.04	11	2712.48	11	15.24	7
0	Min.	332	0.00	1	0.00	1	0.00	1	30396.30	11	-689.03	11	-868.04	11	2712.48	11	15.24	7
0	Min.	313	0.00	1	0.00	1	0.00	1	30396.30	11	-689.03	11	-868.04	11	2712.48	11	15.24	7
0	Min.	312	0.00	1	0.00	1	0.00	1	30396.30	11	-689.03	11	-868.04	11	2712.48	11	15.24	7
0	Max	342	0.00	1	0.00	1	0.00	1	28969.70	17	73.72	5	-302.04	9	2187.56	5	408.65	17
0	Max	343	0.00	1	0.00	1	0.00	1	28969.70	17	73.72	5	-302.04	9	2187.56	5	408.65	17
0	Max	324	0.00	1	0.00	1	0.00	1	28969.70	17	73.72	5	-302.04	9	2187.56	5	408.65	17
0	Max	323	0.00	1	0.00	1	0.00	1	28969.70	17	73.72	5	-302.04	9	2187.56	5	408.65	17
0	Min.	342	0.00	1	0.00	1	0.00	1	21868.30	18	-15298.60	17	-3353.78	17	-3057.54	17	6.30	9
0	Min.	343	0.00	1	0.00	1	0.00	1	21868.30	18	-15298.60	17	-3353.78	17	-3057.54	17	6.30	9
0	Min.	324	0.00	1	0.00	1	0.00	1	21868.30	18	-15298.60	17	-3353.78	17	-3057.54	17	6.30	9
0	Min.	323	0.00	1	0.00	1	0.00	1	21868.30	18	-15298.60	17	-3353.78	17	-3057.54	17	6.30	9

0	Max	350	0.00	1	0.00	1	0.00	1	37590.90	17	19314.30	17	342.92	17	10403.60	17	63.18	1
0	Max	351	0.00	1	0.00	1	0.00	1	37590.90	17	19314.30	17	342.92	17	10403.60	17	63.18	1
0	Max	332	0.00	1	0.00	1	0.00	1	37590.90	17	19314.30	17	342.92	17	10403.60	17	63.18	1
0	Max	331	0.00	1	0.00	1	0.00	1	37590.90	17	19314.30	17	342.92	17	10403.60	17	63.18	1
0	Min.	350	0.00	1	0.00	1	0.00	1	23894.20	11	-1805.09	11	-612.12	1	1459.33	11	3.99	7
0	Min.	351	0.00	1	0.00	1	0.00	1	23894.20	11	-1805.09	11	-612.12	1	1459.33	11	3.99	7
0	Min.	332	0.00	1	0.00	1	0.00	1	23894.20	11	-1805.09	11	-612.12	1	1459.33	11	3.99	7
0	Min.	331	0.00	1	0.00	1	0.00	1	23894.20	11	-1805.09	11	-612.12	1	1459.33	11	3.99	7
0	Max	361	0.00	1	0.00	1	0.00	1	23746.70	17	-428.30	5	-183.94	9	713.95	5	42.07	9
0	Max	362	0.00	1	0.00	1	0.00	1	23746.70	17	-428.30	5	-183.94	9	713.95	5	42.07	9
0	Max	343	0.00	1	0.00	1	0.00	1	23746.70	17	-428.30	5	-183.94	9	713.95	5	42.07	9
0	Max	342	0.00	1	0.00	1	0.00	1	23746.70	17	-428.30	5	-183.94	9	713.95	5	42.07	9
0	Min.	361	0.00	1	0.00	1	0.00	1	17936.20	18	-3273.35	17	-1715.79	17	-1158.44	17	-572.04	17
0	Min.	362	0.00	1	0.00	1	0.00	1	17936.20	18	-3273.35	17	-1715.79	17	-1158.44	17	-572.04	17
0	Min.	343	0.00	1	0.00	1	0.00	1	17936.20	18	-3273.35	17	-1715.79	17	-1158.44	17	-572.04	17
0	Min.	342	0.00	1	0.00	1	0.00	1	17936.20	18	-3273.35	17	-1715.79	17	-1158.44	17	-572.04	17
0	Max	304	0.00	1	0.00	1	0.00	1	67562.40	17	17172.20	5	-859.66	7	6121.29	5	296.48	11
0	Max	305	0.00	1	0.00	1	0.00	1	67562.40	17	17172.20	5	-859.66	7	6121.29	5	296.48	11
0	Max	286	0.00	1	0.00	1	0.00	1	67562.40	17	17172.20	5	-859.66	7	6121.29	5	296.48	11
0	Max	285	0.00	1	0.00	1	0.00	1	67562.40	17	17172.20	5	-859.66	7	6121.29	5	296.48	11
0	Min.	304	0.00	1	0.00	1	0.00	1	38559.30	5	-90455.90	17	-1873.35	1	-5703.66	17	-761.31	17
0	Min.	305	0.00	1	0.00	1	0.00	1	38559.30	5	-90455.90	17	-1873.35	1	-5703.66	17	-761.31	17
0	Min.	286	0.00	1	0.00	1	0.00	1	38559.30	5	-90455.90	17	-1873.35	1	-5703.66	17	-761.31	17
0	Min.	285	0.00	1	0.00	1	0.00	1	38559.30	5	-90455.90	17	-1873.35	1	-5703.66	17	-761.31	17
0	Max	283	0.00	1	0.00	1	0.00	1	152850.00	17	42905.40	11	-464.35	11	9364.37	11	2157.75	1
0	Max	284	0.00	1	0.00	1	0.00	1	152850.00	17	42905.40	11	-464.35	11	9364.37	11	2157.75	1
0	Max	255	0.00	1	0.00	1	0.00	1	152850.00	17	42905.40	11	-464.35	11	9364.37	11	2157.75	1
0	Max	254	0.00	1	0.00	1	0.00	1	152850.00	17	42905.40	11	-464.35	11	9364.37	11	2157.75	1
0	Min.	283	0.00	1	0.00	1	0.00	1	47486.20	11	-292136.00	17	-42954.50	17	-10689.70	17	-6260.98	17
0	Min.	284	0.00	1	0.00	1	0.00	1	47486.20	11	-292136.00	17	-42954.50	17	-10689.70	17	-6260.98	17
0	Min.	255	0.00	1	0.00	1	0.00	1	47486.20	11	-292136.00	17	-42954.50	17	-10689.70	17	-6260.98	17
0	Min.	254	0.00	1	0.00	1	0.00	1	47486.20	11	-292136.00	17	-42954.50	17	-10689.70	17	-6260.98	17
0	Max	364	0.00	1	0.00	1	0.00	1	27659.80	17	-52.83	17	-183.87	11	1347.98	17	41.40	11
0	Max	365	0.00	1	0.00	1	0.00	1	27659.80	17	-52.83	17	-183.87	11	1347.98	17	41.40	11
0	Max	346	0.00	1	0.00	1	0.00	1	27659.80	17	-52.83	17	-183.87	11	1347.98	17	41.40	11
0	Max	345	0.00	1	0.00	1	0.00	1	27659.80	17	-52.83	17	-183.87	11	1347.98	17	41.40	11
0	Min.	364	0.00	1	0.00	1	0.00	1	19679.60	1	-759.51	1	-2172.30	17	455.49	1	-723.13	17
0	Min.	365	0.00	1	0.00	1	0.00	1	19679.60	1	-759.51	1	-2172.30	17	455.49	1	-723.13	17
0	Min.	346	0.00	1	0.00	1	0.00	1	19679.60	1	-759.51	1	-2172.30	17	455.49	1	-723.13	17
0	Min.	345	0.00	1	0.00	1	0.00	1	19679.60	1	-759.51	1	-2172.30	17	455.49	1	-723.13	17
0	Max	275	0.00	1	0.00	1	0.00	1	41227.40	17	10727.10	17	-228.94	17	6103.90	17	166.66	9
0	Max	316	0.00	1	0.00	1	0.00	1	41227.40	17	10727.10	17	-228.94	17	6103.90	17	166.66	9
0	Max	297	0.00	1	0.00	1	0.00	1	41227.40	17	10727.10	17	-228.94	17	6103.90	17	166.66	9
0	Max	274	0.00	1	0.00	1	0.00	1	41227.40	17	10727.10	17	-228.94	17	6103.90	17	166.66	9
0	Min.	275	0.00	1	0.00	1	0.00	1	30395.90	7	-710.06	7	-869.55	5	2708.79	7	-1480.08	17
0	Min.	316	0.00	1	0.00	1	0.00	1	30395.90	7	-710.06	7	-869.55	5	2708.79	7	-1480.08	17
0	Min.	297	0.00	1	0.00	1	0.00	1	30395.90	7	-710.06	7	-869.55	5	2708.79	7	-1480.08	17
0	Min.	274	0.00	1	0.00	1	0.00	1	30395.90	7	-710.06	7	-869.55	5	2708.79	7	-1480.08	17
0	Max	327	0.00	1	0.00	1	0.00	1	41846.50	17	33744.90	17	-644.92	18	10789.10	17	1712.69	17
0	Max	328	0.00	1	0.00	1	0.00	1	41846.50	17	33744.90	17	-644.92	18	10789.10	17	1712.69	17
0	Max	309	0.00	1	0.00	1	0.00	1	41846.50	17	33744.90	17	-644.92	18	10789.10	17	1712.69	17
0	Max	308	0.00	1	0.00	1	0.00	1	41846.50	17	33744.90	17	-644.92	18	10789.10	17	1712.69	17
0	Min.	327	0.00	1	0.00	1	0.00	1	30403.70	1	-389.36	9	-869.26	1	2774.13	1	18.58	11
0	Min.	328	0.00	1	0.00	1	0.00	1	30403.70	1	-389.36	9	-869.26	1	2774.13	1	18.58	11
0	Min.	309	0.00	1	0.00	1	0.00	1	30403.70	1	-389.36	9	-869.26	1	2774.13	1	18.58	11
0	Min.	308	0.00	1	0.00	1	0.00	1	30403.70	1	-389.36	9	-869.26	1	2774.13	1	18.58	11
0	Max	323	0.00	1	0.00	1	0.00	1	40032.30	17	5029.06	5	-711.42	11	3895.92	5	1094.05	17
0	Max	324	0.00	1	0.00	1	0.00	1	40032.30	17	5029.06	5	-711.42	11	3895.92	5	1094.05	17
0	Max	305	0.00	1	0.00	1	0.00	1	40032.30	17	5029.06	5	-711.42	11	3895.92	5	1094.05	17
0	Max	304	0.00	1	0.00	1	0.00	1	40032.30	17	5029.06	5	-711.42	11	3895.92	5	1094.05	17
0	Min.	323	0.00	1	0.00	1	0.00	1	29918.30	18	-40332.60	17	-2740.07	17	-4532.97	17	20.63	9
0	Min.	324	0.00	1	0.00	1	0.00	1	29918.30	18	-40332.60	17	-2740.07	17	-4532.97	17	20.63	9
0	Min.	305	0.00	1	0.00	1	0.00	1	29918.30	18	-40332.60	17	-2740.07	17	-4532.97	17	20.63	9
0	Min.	304	0.00	1	0.00	1	0.00	1	29918.30	18	-40332.60	17	-2740.07	17	-4532.97	17	20.63	9
0	Max	353	0.00	1	0.00	1	0.00	1	34765.40	17	7580.48	17	2619.39	17	5894.17	17	63.10	9
0	Max	276	0.00	1	0.00	1	0.00	1	34765.40	17	7580.48	17	2619.39	17	5894.17	17	63.10	9
0	Max	275	0.00	1	0.00	1	0.00	1	34765.40	17	7580.48	17	2619.39	17	5894.17	17	63.10	9
0	Max	334	0.00	1	0.00	1	0.00	1	34765.40	17	7580.48	17	2619.39	17	5894.17	17	63.10	9
0	Min.	353	0.00	1	0.00	1	0.00	1	23892.70	5	-1812.13	5	-613.89	9	1456.72	5	-469.88	17
0	Min.	276	0.00	1	0.00	1	0.00	1	23892.70	5	-1812.13	5	-613.89	9	1456.72	5	-469.88	17
0	Min.	275	0.00	1	0.00	1	0.00	1	23892.70	5	-1812.13	5	-613.89	9	1456.72	5	-469.88	17
0	Min.	334	0.00	1	0.00	1	0.00	1	23892.70	5	-1812.13	5	-613.89	9	1456.72	5	-469.88	17
0	Max	362	0.00	1	0.00	1	0.00	1	24909.40	17	-427.75	5	-183.29	9	714.74	5	41.73	9
0	Max	363	0.00	1	0.00	1	0.00	1	24909.40	17	-427.75	5	-183.29	9	714.74	5	41.73	9
0	Max	344	0.00	1	0.00	1	0.00	1	24909.40	17	-427.75	5	-183.29	9	714.74	5	41.73	9
0	Max	343	0.00	1	0.00	1	0.00	1	24909.40	17	-427.75	5	-183.29	9	714.74	5	41.73	9
0	Min.	362	0.00	1	0.00	1	0.00	1	18711.40	18	-2312.04	17	-2037.09	17	-412.70	17	-692.85	17
0	Min.	363	0.00	1	0.00	1	0.00	1	18711.40	18	-2312.04	17	-2037.09	17	-412.70	17	-692.85	17
0	Min.	344	0.00	1	0.00	1	0.00	1	18711.40	18	-2312.04	17	-2037.09	17	-412.70	17	-692.85	17
0	Min.	343	0.00	1	0.00	1	0.00	1	18711.40	18	-2312.04	17	-2037.09	17	-412.70	17	-692.85	17
0	Max	318	0.00	1	0.00	1	0.00	1	39913.20	17	5029.06	9	-711.41	1	3895.92	9	163.66	5
0	Max	319	0.00	1	0.00	1	0.00	1	39913.20	17	5029.06	9	-711.41	1	3895.92	9	163.66	5
0	Max	300	0.00	1	0.00	1	0.00	1	39913.20	17	5029.06	9	-711.41	1	3895.92	9	163.66	5
0	Max	299	0.00	1	0.00	1	0.00	1	39913.20	17	5029.06	9	-711.41	1	3895.92	9	163.66	5
0	Min.	318	0.00	1	0.00	1	0.00	1	29839.00	18	-43447.30	17	-1891.65	17	-5118.69	17	-1248.78	17
0	Min.	319	0.00	1	0.00	1	0.00	1	29839.00	18	-43447.30	17	-1891.65	17	-5118.69	17	-1248.78	17
0	Min.	300	0.00	1	0.00	1	0.00	1	29839.00	18	-43447.30	17	-1891.65	17	-5118.69	17	-1248.78	17
0	Min.	299	0.00	1	0.00	1	0.00	1	29839.00	18	-43447.30	17	-1891.65	17	-5118.69	17	-1248.78	17
0	Max	357	0.00	1	0.00	1	0.00	1	22743.40	17	-427.75	9	413.19	17	714.74	9	289.28	17
0	Max	358	0.00	1	0.00	1	0.00	1	22743.40	17	-427.75	9	413.19	17	714.74	9	289.28	17
0	Max	339	0.00	1	0.00	1	0.00	1	22743.40	17	-427.75	9	413.19	17	714.74	9	289.28	17
0	Max	338	0.00	1	0.00	1	0.00	1	22743.40	17	-427.75	9	413.19	17	714.74	9	289.28	17
0	Min.	357	0.00	1	0.00	1	0.00	1	17267.40	18	-4147.06	17	-351.20	5	-1812.20	17	-26.44	5
0	Min.	358	0.00	1	0.00	1	0.00	1	17267.40	18	-4147.06	17	-351.20	5	-1812.20	17	-26.44	5
0	Min.	339	0.00	1	0.00	1	0.00	1	17267.40	18	-4147.06	17	-351.20	5	-1812.20	17	-26.44	5
0	Min.	338	0.00	1	0.00	1	0.00	1	17267.40	18	-4147.06	17	-351.20	5	-1812.20	17	-26.44	5
0	Max	343	0.00	1	0.00	1	0.00	1	30291.70	17	78.83	5	-305.22	9	2190.34	5	555.62	17
0	Max	344	0.00	1	0.00	1	0.00	1	30291.70	17	78.83	5	-305.22	9	2190.34	5	555.62	17
0	Max	325	0.00	1	0.00	1	0.00	1	30291.70	17	78.83	5	-305.22	9	2190.34	5	555.62	17
0	Max	324	0.00	1	0.00	1	0.00	1	30291.70	17	78.83	5	-305.22	9	2190.34	5	555.62	17
0	Min.	343	0.00	1	0.00	1	0.00	1	22749.60	18	-9869.93	17	-3871.12	17	-963.04	17	4.07	9
0	Min.	344	0.00	1	0.00	1	0.00	1	22749.60	18	-9869.93	17	-3871.12	17	-963.04	17	4.07	9
0	Min.	325	0.00	1	0.00	1	0.00	1	22749.60	18	-9869.93	17	-3871.12	17	-963.04	17	4.07	9
0	Min.	324	0.00	1	0.00	1	0.00	1	22749.60	18	-9869.93	17	-3871.12	17	-963.04	17	4.07	9
0	Max	290	0.00	1	0.00	1	0.00	1	55255.20	9	286848.00	17	13893.00	17	30156.30	17	2180.72	5

0	Max	291	0.00	1	0.00	1	0.00	1	55255.20	9	286848.00	17	13893.00	17	30156.30	17	2180.72	5
0	Max	262	0.00	1	0.00	1	0.00	1	55255.20	9	286848.00	17	13893.00	17	30156.30	17	2180.72	5
0	Max	261	0.00	1	0.00	1	0.00	1	55255.20	9	286848.00	17	13893.00	17	30156.30	17	2180.72	5
0	Min.	290	0.00	1	0.00	1	0.00	1	2809.26	17	12572.30	9	-3862.88	1	7295.91	9	-18889.30	17
0	Min.	291	0.00	1	0.00	1	0.00	1	2809.26	17	12572.30	9	-3862.88	1	7295.91	9	-18889.30	17
0	Min.	262	0.00	1	0.00	1	0.00	1	2809.26	17	12572.30	9	-3862.88	1	7295.91	9	-18889.30	17
0	Min.	261	0.00	1	0.00	1	0.00	1	2809.26	17	12572.30	9	-3862.88	1	7295.91	9	-18889.30	17
0	Max	273	0.00	1	0.00	1	0.00	1	62831.70	17	74530.90	17	13976.00	17	10994.30	17	31182.50	17
0	Max	278	0.00	1	0.00	1	0.00	1	62831.70	17	74530.90	17	13976.00	17	10994.30	17	31182.50	17
0	Max	249	0.00	1	0.00	1	0.00	1	62831.70	17	74530.90	17	13976.00	17	10994.30	17	31182.50	17
0	Max	2	0.00	1	0.00	1	0.00	1	62831.70	17	74530.90	17	13976.00	17	10994.30	17	31182.50	17
0	Min.	273	0.00	1	0.00	1	0.00	1	47360.20	18	12471.80	7	-4040.02	5	7294.77	7	-584.33	11
0	Min.	278	0.00	1	0.00	1	0.00	1	47360.20	18	12471.80	7	-4040.02	5	7294.77	7	-584.33	11
0	Min.	249	0.00	1	0.00	1	0.00	1	47360.20	18	12471.80	7	-4040.02	5	7294.77	7	-584.33	11
0	Min.	2	0.00	1	0.00	1	0.00	1	47360.20	18	12471.80	7	-4040.02	5	7294.77	7	-584.33	11
0	Max	322	0.00	1	0.00	1	0.00	1	39726.20	17	4729.01	5	-704.59	11	3834.94	11	624.99	17
0	Max	323	0.00	1	0.00	1	0.00	1	39726.20	17	4729.01	5	-704.59	11	3834.94	11	624.99	17
0	Max	304	0.00	1	0.00	1	0.00	1	39726.20	17	4729.01	5	-704.59	11	3834.94	11	624.99	17
0	Max	303	0.00	1	0.00	1	0.00	1	39726.20	17	4729.01	5	-704.59	11	3834.94	11	624.99	17
0	Min.	322	0.00	1	0.00	1	0.00	1	29714.30	18	-52558.60	17	-2906.50	17	-7052.52	17	18.58	1
0	Min.	323	0.00	1	0.00	1	0.00	1	29714.30	18	-52558.60	17	-2906.50	17	-7052.52	17	18.58	1
0	Min.	304	0.00	1	0.00	1	0.00	1	29714.30	18	-52558.60	17	-2906.50	17	-7052.52	17	18.58	1
0	Min.	303	0.00	1	0.00	1	0.00	1	29714.30	18	-52558.60	17	-2906.50	17	-7052.52	17	18.58	1
0	Max	285	0.00	1	0.00	1	0.00	1	124592.00	17	42977.70	5	-624.19	11	9414.79	5	2180.72	9
0	Max	286	0.00	1	0.00	1	0.00	1	124592.00	17	42977.70	5	-624.19	11	9414.79	5	2180.72	9
0	Max	257	0.00	1	0.00	1	0.00	1	124592.00	17	42977.70	5	-624.19	11	9414.79	5	2180.72	9
0	Max	256	0.00	1	0.00	1	0.00	1	124592.00	17	42977.70	5	-624.19	11	9414.79	5	2180.72	9
0	Min.	285	0.00	1	0.00	1	0.00	1	47411.30	5	-188948.00	17	-39172.10	17	-2141.81	17	-22286.20	17
0	Min.	286	0.00	1	0.00	1	0.00	1	47411.30	5	-188948.00	17	-39172.10	17	-2141.81	17	-22286.20	17
0	Min.	257	0.00	1	0.00	1	0.00	1	47411.30	5	-188948.00	17	-39172.10	17	-2141.81	17	-22286.20	17
0	Min.	256	0.00	1	0.00	1	0.00	1	47411.30	5	-188948.00	17	-39172.10	17	-2141.81	17	-22286.20	17
0	Max	370	0.00	1	0.00	1	0.00	1	30729.00	17	2400.11	17	539.02	17	3296.97	17	413.37	17
0	Max	371	0.00	1	0.00	1	0.00	1	30729.00	17	2400.11	17	539.02	17	3296.97	17	413.37	17
0	Max	352	0.00	1	0.00	1	0.00	1	30729.00	17	2400.11	17	539.02	17	3296.97	17	413.37	17
0	Max	351	0.00	1	0.00	1	0.00	1	30729.00	17	2400.11	17	539.02	17	3296.97	17	413.37	17
0	Min.	370	0.00	1	0.00	1	0.00	1	19700.60	11	-743.45	5	-341.86	1	468.77	5	-23.74	9
0	Min.	371	0.00	1	0.00	1	0.00	1	19700.60	11	-743.45	5	-341.86	1	468.77	5	-23.74	9
0	Min.	352	0.00	1	0.00	1	0.00	1	19700.60	11	-743.45	5	-341.86	1	468.77	5	-23.74	9
0	Min.	351	0.00	1	0.00	1	0.00	1	19700.60	11	-743.45	5	-341.86	1	468.77	5	-23.74	9
0	Max	367	0.00	1	0.00	1	0.00	1	30869.20	17	2555.02	17	-183.29	5	3395.92	17	41.73	5
0	Max	368	0.00	1	0.00	1	0.00	1	30869.20	17	2555.02	17	-183.29	5	3395.92	17	41.73	5
0	Max	349	0.00	1	0.00	1	0.00	1	30869.20	17	2555.02	17	-183.29	5	3395.92	17	41.73	5
0	Max	348	0.00	1	0.00	1	0.00	1	30869.20	17	2555.02	17	-183.29	5	3395.92	17	41.73	5
0	Min.	367	0.00	1	0.00	1	0.00	1	19678.20	9	-760.79	9	-1135.93	17	454.54	9	-270.20	17
0	Min.	368	0.00	1	0.00	1	0.00	1	19678.20	9	-760.79	9	-1135.93	17	454.54	9	-270.20	17
0	Min.	349	0.00	1	0.00	1	0.00	1	19678.20	9	-760.79	9	-1135.93	17	454.54	9	-270.20	17
0	Min.	348	0.00	1	0.00	1	0.00	1	19678.20	9	-760.79	9	-1135.93	17	454.54	9	-270.20	17
0	Max	314	0.00	1	0.00	1	0.00	1	40378.10	5	118428.00	17	-859.66	1	19909.50	17	1337.75	17
0	Max	315	0.00	1	0.00	1	0.00	1	40378.10	5	118428.00	17	-859.66	1	19909.50	17	1337.75	17
0	Max	296	0.00	1	0.00	1	0.00	1	40378.10	5	118428.00	17	-859.66	1	19909.50	17	1337.75	17
0	Max	295	0.00	1	0.00	1	0.00	1	40378.10	5	118428.00	17	-859.66	1	19909.50	17	1337.75	17
0	Min.	314	0.00	1	0.00	1	0.00	1	30047.50	18	3459.45	5	-2644.84	17	4422.76	5	200.21	11
0	Min.	315	0.00	1	0.00	1	0.00	1	30047.50	18	3459.45	5	-2644.84	17	4422.76	5	200.21	11
0	Min.	296	0.00	1	0.00	1	0.00	1	30047.50	18	3459.45	5	-2644.84	17	4422.76	5	200.21	11
0	Min.	295	0.00	1	0.00	1	0.00	1	30047.50	18	3459.45	5	-2644.84	17	4422.76	5	200.21	11
0	Max	295	0.00	1	0.00	1	0.00	1	55255.20	5	264276.00	17	31204.20	17	24660.90	17	23996.50	17
0	Max	296	0.00	1	0.00	1	0.00	1	55255.20	5	264276.00	17	31204.20	17	24660.90	17	23996.50	17
0	Max	267	0.00	1	0.00	1	0.00	1	55255.20	5	264276.00	17	31204.20	17	24660.90	17	23996.50	17
0	Max	266	0.00	1	0.00	1	0.00	1	55255.20	5	264276.00	17	31204.20	17	24660.90	17	23996.50	17
0	Min.	295	0.00	1	0.00	1	0.00	1	13325.20	17	12572.30	5	-3862.88	11	7295.91	5	-577.29	9
0	Min.	296	0.00	1	0.00	1	0.00	1	13325.20	17	12572.30	5	-3862.88	11	7295.91	5	-577.29	9
0	Min.	267	0.00	1	0.00	1	0.00	1	13325.20	17	12572.30	5	-3862.88	11	7295.91	5	-577.29	9
0	Min.	266	0.00	1	0.00	1	0.00	1	13325.20	17	12572.30	5	-3862.88	11	7295.91	5	-577.29	9
0	Max	356	0.00	1	0.00	1	0.00	1	23528.50	17	-428.30	9	893.03	17	713.95	9	492.63	17
0	Max	357	0.00	1	0.00	1	0.00	1	23528.50	17	-428.30	9	893.03	17	713.95	9	492.63	17
0	Max	338	0.00	1	0.00	1	0.00	1	23528.50	17	-428.30	9	893.03	17	713.95	9	492.63	17
0	Max	337	0.00	1	0.00	1	0.00	1	23528.50	17	-428.30	9	893.03	17	713.95	9	492.63	17
0	Min.	356	0.00	1	0.00	1	0.00	1	17790.70	18	-3514.57	17	-350.64	5	-1312.52	17	-26.77	5
0	Min.	357	0.00	1	0.00	1	0.00	1	17790.70	18	-3514.57	17	-350.64	5	-1312.52	17	-26.77	5
0	Min.	338	0.00	1	0.00	1	0.00	1	17790.70	18	-3514.57	17	-350.64	5	-1312.52	17	-26.77	5
0	Min.	337	0.00	1	0.00	1	0.00	1	17790.70	18	-3514.57	17	-350.64	5	-1312.52	17	-26.77	5
0	Max	299	0.00	1	0.00	1	0.00	1	67568.20	17	17172.20	9	-859.66	11	6121.29	9	296.48	1
0	Max	300	0.00	1	0.00	1	0.00	1	67568.20	17	17172.20	9	-859.66	11	6121.29	9	296.48	1
0	Max	281	0.00	1	0.00	1	0.00	1	67568.20	17	17172.20	9	-859.66	11	6121.29	9	296.48	1
0	Max	280	0.00	1	0.00	1	0.00	1	67568.20	17	17172.20	9	-859.66	11	6121.29	9	296.48	1
0	Min.	299	0.00	1	0.00	1	0.00	1	38559.30	9	-96953.80	17	-13125.70	17	-6718.96	17	200.21	7
0	Min.	300	0.00	1	0.00	1	0.00	1	38559.30	9	-96953.80	17	-13125.70	17	-6718.96	17	200.21	7
0	Min.	281	0.00	1	0.00	1	0.00	1	38559.30	9	-96953.80	17	-13125.70	17	-6718.96	17	200.21	7
0	Min.	280	0.00	1	0.00	1	0.00	1	38559.30	9	-96953.80	17	-13125.70	17	-6718.96	17	200.21	7
0	Max	328	0.00	1	0.00	1	0.00	1	42223.20	17	49400.10	17	-279.36	18	14036.40	17	1476.47	17
0	Max	329	0.00	1	0.00	1	0.00	1	42223.20	17	49400.10	17	-279.36	18	14036.40	17	1476.47	17
0	Max	310	0.00	1	0.00	1	0.00	1	42223.20	17	49400.10	17	-279.36	18	14036.40	17	1476.47	17
0	Max	309	0.00	1	0.00	1	0.00	1	42223.20	17	49400.10	17	-279.36	18	14036.40	17	1476.47	17
0	Min.	328	0.00	1	0.00	1	0.00	1	30396.40	9	-689.51	9	-862.40	1	2713.14	9	20.63	5
0	Min.	329	0.00	1	0.00	1	0.00	1	30396.40	9	-689.51	9	-862.40	1	2713.14	9	20.63	5
0	Min.	310	0.00	1	0.00	1	0.00	1	30396.40	9	-689.51	9	-862.40	1	2713.14	9	20.63	5
0	Min.	309	0.00	1	0.00	1	0.00	1	30396.40	9	-689.51	9	-862.40	1	2713.14	9	20.63	5
0	Max	335	0.00	1	0.00	1	0.00	1	31615.40	17	71.82	1	2681.70	17	2187.73	1	63.18	11
0	Max	336	0.00	1	0.00	1	0.00	1	31615.40	17	71.82	1	2681.70	17	2187.73	1	63.18	11
0	Max	317	0.00	1	0.00	1	0.00	1	31615.40	17	71.82	1	2681.70	17	2187.73	1	63.18	11
0	Max	316	0.00	1	0.00	1	0.00	1	31615.40	17	71.82	1	2681.70	17	2187.73	1	63.18	11
0	Min.	335	0.00	1	0.00	1	0.00	1	23632.00	18	-5224.07	17	-612.12	11	813.26	18	-603.76	17
0	Min.	336	0.00	1	0.00	1	0.00	1	23632.00	18	-5224.07	17	-612.12	11	813.26	18	-603.76	17
0	Min.	317	0.00	1	0.00	1	0.00	1	23632.00	18	-5224.07	17	-612.12	11	813.26	18	-603.76	17
0	Min.	316	0.00	1	0.00	1	0.00	1	23632.00	18	-5224.07	17	-612.12	11	813.26	18	-603.76	17
0	Max	369	0.00	1	0.00	1	0.00	1	31208.20	17	2806.09	17	-3.01	17	3606.60	17	196.07	17
0	Max	370	0.00	1	0.00	1	0.00	1	31208.20	17	2806.09	17	-3.01	17	3606.60	17	196.07	17
0	Max	351	0.00	1	0.00	1	0.00	1	31208.20	17	2806.09	17	-3.01	17	3606.60	17	196.07	17
0	Max	350	0.00	1	0.00	1	0.00	1	31208.20	17	2806.09	17	-3.01	17	3606.60	17	196.07	17
0	Min.	369	0.00	1	0.00	1	0.00	1	19679.60	11	-759.51	11	-350.58	1	455.49	11	-26.11	1
0	Min.	370	0.00	1	0.00	1	0.00	1	19679.60	11	-759.51	11	-350.58	1	455.49	11	-26.11	1
0	Min.	351	0.00	1	0.00	1	0.00	1	19679.60	11	-759.51	11	-350.58	1	455.49	11	-26.11	1
0	Min.	350	0.00	1	0.00	1	0.00	1	19679.60	11	-759.51	11	-350.58	1	455.49	11	-26.11	1
102	Max	110	52379.50	9	1197910.00	17	106490.00	17	983.28	5	120.22	5	151.53	5	32185.70	5	395614.00	17
102	Max	111	52379.50	9	1197910.00	17	106490.00	17	983.28	5	120.22	5	151.53	5	32185.70	5	395614.00	17

102	Max	-49	52379.50	9	1197910.00	17	106490.00	17	983.28	5	120.22	5	151.53	5	32185.70	5	395614.00	17
102	Max	-68	52379.50	9	1197910.00	17	106490.00	17	983.28	5	120.22	5	151.53	5	32185.70	5	395614.00	17
102	Min.	110	-1986050.00	17	-119128.00	9	-58480.80	9	-19208.40	17	-226.10	17	-709.42	17	-594162.00	17	-22305.40	5
102	Min.	111	-1986050.00	17	-119128.00	9	-58480.80	9	-19208.40	17	-226.10	17	-709.42	17	-594162.00	17	-22305.40	5
102	Min.	-49	-1986050.00	17	-119128.00	9	-58480.80	9	-19208.40	17	-226.10	17	-709.42	17	-594162.00	17	-22305.40	5
102	Min.	-68	-1986050.00	17	-119128.00	9	-58480.80	9	-19208.40	17	-226.10	17	-709.42	17	-594162.00	17	-22305.40	5
102	Max	110	1771460.00	17	55070.50	9	-34648.80	9	16655.90	17	4141.65	17	4827.61	17	581459.00	17	22297.90	5
102	Max	111	1771460.00	17	55070.50	9	-34648.80	9	16655.90	17	4141.65	17	4827.61	17	581459.00	17	22297.90	5
102	Max	-39	1771460.00	17	55070.50	9	-34648.80	9	16655.90	17	4141.65	17	4827.61	17	581459.00	17	22297.90	5
102	Max	-58	1771460.00	17	55070.50	9	-34648.80	9	16655.90	17	4141.65	17	4827.61	17	581459.00	17	22297.90	5
102	Min.	110	-211437.00	9	-1284350.00	17	-232358.00	17	-983.38	5	-120.21	5	-151.57	5	-32199.00	5	-418920.00	17
102	Min.	111	-211437.00	9	-1284350.00	17	-232358.00	17	-983.38	5	-120.21	5	-151.57	5	-32199.00	5	-418920.00	17
102	Min.	-39	-211437.00	9	-1284350.00	17	-232358.00	17	-983.38	5	-120.21	5	-151.57	5	-32199.00	5	-418920.00	17
102	Min.	-58	-211437.00	9	-1284350.00	17	-232358.00	17	-983.38	5	-120.21	5	-151.57	5	-32199.00	5	-418920.00	17
103	Max	110	935893.00	17	55050.70	1	-34648.90	1	20105.20	17	4560.57	17	5360.54	17	694419.00	17	22296.90	11
103	Max	111	935893.00	17	55050.70	1	-34648.90	1	20105.20	17	4560.57	17	5360.54	17	694419.00	17	22296.90	11
103	Max	-38	935893.00	17	55050.70	1	-34648.90	1	20105.20	17	4560.57	17	5360.54	17	694419.00	17	22296.90	11
103	Max	-57	935893.00	17	55050.70	1	-34648.90	1	20105.20	17	4560.57	17	5360.54	17	694419.00	17	22296.90	11
103	Min.	110	-211447.00	1	-733009.00	17	-156606.00	17	-983.16	11	-120.26	11	-151.51	11	-32178.20	11	-497109.00	17
103	Min.	111	-211447.00	1	-733009.00	17	-156606.00	17	-983.16	11	-120.26	11	-151.51	11	-32178.20	11	-497109.00	17
103	Min.	-38	-211447.00	1	-733009.00	17	-156606.00	17	-983.16	11	-120.26	11	-151.51	11	-32178.20	11	-497109.00	17
103	Min.	-57	-211447.00	1	-733009.00	17	-156606.00	17	-983.16	11	-120.26	11	-151.51	11	-32178.20	11	-497109.00	17
103	Max	110	52390.20	1	646574.00	17	30738.00	17	983.06	11	120.27	11	151.47	11	32164.90	11	473803.00	17
103	Max	111	52390.20	1	646574.00	17	30738.00	17	983.06	11	120.27	11	151.47	11	32164.90	11	473803.00	17
103	Max	-48	52390.20	1	646574.00	17	30738.00	17	983.06	11	120.27	11	151.47	11	32164.90	11	473803.00	17
103	Max	-67	52390.20	1	646574.00	17	30738.00	17	983.06	11	120.27	11	151.47	11	32164.90	11	473803.00	17
103	Min.	110	-1150480.00	17	-119109.00	1	-58480.60	1	-22657.70	17	-645.02	17	-1242.35	17	-707122.00	17	-22304.40	11
103	Min.	111	-1150480.00	17	-119109.00	1	-58480.60	1	-22657.70	17	-645.02	17	-1242.35	17	-707122.00	17	-22304.40	11
103	Min.	-48	-1150480.00	17	-119109.00	1	-58480.60	1	-22657.70	17	-645.02	17	-1242.35	17	-707122.00	17	-22304.40	11
103	Min.	-67	-1150480.00	17	-119109.00	1	-58480.60	1	-22657.70	17	-645.02	17	-1242.35	17	-707122.00	17	-22304.40	11
104	Max	110	60204.70	1	60222.30	7	-33942.60	7	1041.45	11	127.37	11	160.48	11	34082.20	11	504473.00	17
104	Max	111	60204.70	1	60222.30	7	-33942.60	7	1041.45	11	127.37	11	160.48	11	34082.20	11	504473.00	17
104	Max	-47	60204.70	1	60222.30	7	-33942.60	7	1041.45	11	127.37	11	160.48	11	34082.20	11	504473.00	17
104	Max	-66	60204.70	1	60222.30	7	-33942.60	7	1041.45	11	127.37	11	160.48	11	34082.20	11	504473.00	17
104	Min.	110	-219262.00	7	-124280.00	1	-59187.00	1	-24014.10	17	-809.16	17	-1452.12	17	-751487.00	17	-23626.80	11
104	Min.	111	-219262.00	7	-124280.00	1	-59187.00	1	-24014.10	17	-809.16	17	-1452.12	17	-751487.00	17	-23626.80	11
104	Min.	-47	-219262.00	7	-124280.00	1	-59187.00	1	-24014.10	17	-809.16	17	-1452.12	17	-751487.00	17	-23626.80	11
104	Min.	-66	-219262.00	7	-124280.00	1	-59187.00	1	-24014.10	17	-809.16	17	-1452.12	17	-751487.00	17	-23626.80	11
104	Max	110	60204.70	7	60222.30	1	-33942.60	1	21461.60	17	4724.71	17	5570.31	17	738783.00	17	23619.40	11
104	Max	111	60204.70	7	60222.30	1	-33942.60	1	21461.60	17	4724.71	17	5570.31	17	738783.00	17	23619.40	11
104	Max	-37	60204.70	7	60222.30	1	-33942.60	1	21461.60	17	4724.71	17	5570.31	17	738783.00	17	23619.40	11
104	Max	-56	60204.70	7	60222.30	1	-33942.60	1	21461.60	17	4724.71	17	5570.31	17	738783.00	17	23619.40	11
104	Min.	110	-219262.00	1	-124280.00	7	-71685.10	17	-1041.55	11	-127.36	11	-160.52	11	-34095.50	11	-527779.00	17
104	Min.	111	-219262.00	1	-124280.00	7	-71685.10	17	-1041.55	11	-127.36	11	-160.52	11	-34095.50	11	-527779.00	17
104	Min.	-37	-219262.00	1	-124280.00	7	-71685.10	17	-1041.55	11	-127.36	11	-160.52	11	-34095.50	11	-527779.00	17
104	Min.	-56	-219262.00	1	-124280.00	7	-71685.10	17	-1041.55	11	-127.36	11	-160.52	11	-34095.50	11	-527779.00	17
105	Max	111	75898.60	17	54804.80	5	668704.00	17	14538.40	17	10671.80	17	463.43	11	816361.00	17	309741.00	17
105	Max	-1	75898.60	17	54804.80	5	668704.00	17	14538.40	17	10671.80	17	463.43	11	816361.00	17	309741.00	17
105	Max	-19	75898.60	17	54804.80	5	668704.00	17	14538.40	17	10671.80	17	463.43	11	816361.00	17	309741.00	17
105	Max	110	75898.60	17	54804.80	5	668704.00	17	14538.40	17	10671.80	17	463.43	11	816361.00	17	309741.00	17
105	Min.	111	-120874.00	7	-514056.00	17	-57978.70	7	-532.89	11	-587.10	11	-9466.28	17	-36944.10	11	-14660.90	11
105	Min.	-1	-120874.00	7	-514056.00	17	-57978.70	7	-532.89	11	-587.10	11	-9466.28	17	-36944.10	11	-14660.90	11
105	Min.	-19	-120874.00	7	-514056.00	17	-57978.70	7	-532.89	11	-587.10	11	-9466.28	17	-36944.10	11	-14660.90	11
105	Min.	110	-120874.00	7	-514056.00	17	-57978.70	7	-532.89	11	-587.10	11	-9466.28	17	-36944.10	11	-14660.90	11
105	Max	110	735225.00	17	56363.50	7	-34471.90	7	997.89	11	122.05	9	153.78	11	32662.70	11	484622.00	17
105	Max	111	735225.00	17	56363.50	7	-34471.90	7	997.89	11	122.05	9	153.78	11	32662.70	11	484622.00	17
105	Max	-46	735225.00	17	56363.50	7	-34471.90	7	997.89	11	122.05	9	153.78	11	32662.70	11	484622.00	17
105	Max	-65	735225.00	17	56363.50	7	-34471.90	7	997.89	11	122.05	9	153.78	11	32662.70	11	484622.00	17
105	Min.	110	-213408.00	5	-598094.00	17	-139961.00	17	-23144.70	17	-702.45	17	-1318.18	17	-722912.00	17	-22636.90	11
105	Min.	111	-213408.00	5	-598094.00	17	-139961.00	17	-23144.70	17	-702.45	17	-1318.18	17	-722912.00	17	-22636.90	11
105	Min.	-46	-213408.00	5	-598094.00	17	-139961.00	17	-23144.70	17	-702.45	17	-1318.18	17	-722912.00	17	-22636.90	11
105	Min.	-65	-213408.00	5	-598094.00	17	-139961.00	17	-23144.70	17	-702.45	17	-1318.18	17	-722912.00	17	-22636.90	11
106	Max	110	60203.90	9	1627760.00	17	165657.00	17	1041.46	5	406.59	17	160.49	5	34083.70	5	277559.00	17
106	Max	111	60203.90	9	1627760.00	17	165657.00	17	1041.46	5	406.59	17	160.49	5	34083.70	5	277559.00	17
106	Max	-50	60203.90	9	1627760.00	17	165657.00	17	1041.46	5	406.59	17	160.49	5	34083.70	5	277559.00	17
106	Max	-69	60203.90	9	1627760.00	17	165657.00	17	1041.46	5	406.59	17	160.49	5	34083.70	5	277559.00	17
106	Min.	110	-2637720.00	17	-124282.00	9	-59187.10	9	-14003.80	17	-127.36	3	-160.53	3	-423663.00	17	-23626.90	5
106	Min.	111	-2637720.00	17	-124282.00	9	-59187.10	9	-14003.80	17	-127.36	3	-160.53	3	-423663.00	17	-23626.90	5
106	Min.	-50	-2637720.00	17	-124282.00	9	-59187.10	9	-14003.80	17	-127.36	3	-160.53	3	-423663.00	17	-23626.90	5
106	Min.	-69	-2637720.00	17	-124282.00	9	-59187.10	9	-14003.80	17	-127.36	3	-160.53	3	-423663.00	17	-23626.90	5
106	Max	110	2423130.00	17	60223.70	9	-33942.60	9	11451.20	17	3508.96	17	4023.67	17	410959.00	17	23619.40	5
106	Max	111	2423130.00	17	60223.70	9	-33942.60	9	11451.20	17	3508.96	17	4023.67	17	410959.00	17	23619.40	5
106	Max	-40	2423130.00	17	60223.70	9	-33942.60	9	11451.20	17	3508.96	17	4023.67	17	410959.00	17	23619.40	5
106	Max	-59	2423130.00	17	60223.70	9	-33942.60	9	11451.20	17	3508.96	17	4023.67	17	410959.00	17	23619.40	5
106	Min.	110	-219261.00	9	-1714200.00	17	-291525.00	17	-1041.56	5	-127.36	5	-160.53	5	-34097.00	5	-300864.00	17
106	Min.	111	-219261.00	9	-1714200.00	17	-291525.00	17	-1041.56	5	-127.36	5	-160.53	5	-34097.00	5	-300864.00	17
106	Min.	-40	-219261.00	9	-1714200.00	17	-291525.00	17	-1041.56	5	-127.36	5	-160.53	5	-34097.00	5	-300864.00	17
106	Min.	-59	-219261.00	9	-1714200.00	17	-291525.00	17	-1041.56	5	-127.36	5	-160.53	5	-34097.00	5	-300864.00	17
107	Max	110	2827110.00	17	56363.50	11	-34471.90	11	5000.73	17	2724.43	17	3027.43	17	199610.00	17	22629.40	7
107	Max	111	2827110.00	17	56363.50	11	-34471.90	11	5000.73	17	2724.43	17	3027.43	17	199610.00	17	22629.40	7
107	Max	-41	2827110.00	17	56363.50	11	-34471.90	11	5000.73	17	2724.43	17	3027.43	17	199610.00	17	22629.40	7
107	Max	-60	2827110.00	17	56363.50	11	-34471.90	11	5000.73	17	2724.43	17	3027.43	17	199610.00	17	22629.40	7
107	Min.	110	-213408.00	9	-1980480.00	17	-328315.00	17	-997.98	7	-122.05	5	-153.82	7	-32676.00	7	-154499.00	17
107	Min.	111	-213408.00	9	-1980480.00	17	-328315.00	17	-997.98	7	-122.05	5	-153.82	7	-32676.00	7	-154499.00	17
107	Min.	-41	-213408.00	9	-1980480.00	17	-328315.00	17	-997.98	7	-122.05	5	-153.82	7	-32676.00	7	-154499.00	17
107	Min.	-60	-213408.00	9	-1980480.00	17	-328315.00	17	-997.98	7	-122.05	5	-153.82	7	-32676.00	7	-154499.00	17
107	Max	110	54350.40	9	1894040.00	17	202446.00	17	997.89	7	1191.13	17	1090.76	17	32662.70	7	131193.00	17
107	Max	111	54350.40	9	1894040.00	17	202446.00	17	997.89	7	1191.13	17	1090.76	17	32662.70	7	131193.00	17
107	Max	-51	54350.40	9	1894040.00	17	202446.00	17	997.89	7	1191.13	17	1090.76	17	32662.70	7	131193.00	17
107	Max	-70	54350.40	9	1894040.00	17	202446.00	17	997.89	7	1191.13	17	1090.76	17	32662.70	7	131193.00	17
107	Min.	110	-3041700.00	17	-120422.00	11	-58657.90	11	-7553.24	17	-122.05	3	-153.82	1	-212313.00	17	-22636.90	7
107	Min.	111	-3041700.00	17	-120422.00	11	-58657.90	11	-7553.24	17	-122.05	3	-153.82	1	-212313.00	17	-22636.90	7
107	Min.	-51	-3041700.00	17	-120422.00	11	-58657.90	11	-7553.24	17	-122.05	3	-153.82	1	-212313.00	17	-22636.90	7
107	Min.	-70	-3041700.00	17	-120422.00	11	-58657.90	11	-7553.24	17	-122.05	3	-153.82	1	-212313.00	17	-22636.90	7
108	Max	110	2943840.00	17	60222.30	11	-33942.60	11	1041.45	1	1864.85	17	1936.40	17	34082.20	1	23619.30	7
108	Max	111	2943840.00	17	60222.30	11	-33942.60	11	1041.45	1	1864.85	17	1936.40	17	34082.20	1	23619.30	7
108	Max	-42	2943840.00	17	60222.30	11	-33942.60	11	1041.45	1	1864.85	17	1936.40	17	34082.20	1	23619.30	7
108	Max	-61	2943840.00	17	60222.30	11	-33942.60	11	1041.45	1	1864.85	17	1936.40	17	34082.20	1	23619.30	7
108	Min.	110	-219262.00	11	-2057130.00	17	-339130.00	17	-2064.22	17	-127.36	7	-160.52	7	-34095.50	7	-23626.80	1
108	Min.	111	-219262.00	11	-2057130.00	17	-339130.00	17	-2064.22	17	-127.36	7	-160.52	7	-34095.50	7	-23626.80	1
108	Min.	-42	-219262.00	11	-2057130.00	17	-339130.00	17	-2064.22	17	-127.36	7	-160.52	7	-34095.50	7	-23626.80	1
108	Min.	-61	-219262.00	11	-2057130.00	17	-339130.00	17	-2064.22	17	-127.36	7	-160.52	7	-34095.50	7	-23626.80	1
108	Max	110	60204.70	11	1970700.00	17	213262.00	17	1041.45	7	2050.70	17	2181.79	17	34082.20	7	23619.40	1
108	Max	111	60204.70	11	1970700.00	17	213262.00	17	1041.45	7	2050.70	17	2181.79	17	34082.20	7	23619.40	1
108	Max	-52	60204.70	11	1970700.00	17	213262.00	17	1041.45	7	2050.70	17	2181.79	17	34082.20	7	23619.40	1

108	Max	-71	60204.70	11	1970700.00	17	213262.00	17	1041.45	7	2050.70	17	2181.79	17	34082.20	7	23619.40	1
108	Min.	110	-3158430.00	17	-124280.00	11	-59187.10	11	-1041.55	1	-127.36	1	-160.52	1	-34095.50	1	-29155.70	17
108	Min.	111	-3158430.00	17	-124280.00	11	-59187.10	11	-1041.55	1	-127.36	1	-160.52	1	-34095.50	1	-29155.70	17
108	Min.	-52	-3158430.00	17	-124280.00	11	-59187.10	11	-1041.55	1	-127.36	1	-160.52	1	-34095.50	1	-29155.70	17
108	Min.	-71	-3158430.00	17	-124280.00	11	-59187.10	11	-1041.55	1	-127.36	1	-160.52	1	-34095.50	1	-29155.70	17
109	Max	110	52390.20	11	1850210.00	17	197041.00	17	6499.53	17	2901.18	17	3260.81	17	248206.00	17	22296.90	1
109	Max	111	52390.20	11	1850210.00	17	197041.00	17	6499.53	17	2901.18	17	3260.81	17	248206.00	17	22296.90	1
109	Max	-53	52390.20	11	1850210.00	17	197041.00	17	6499.53	17	2901.18	17	3260.81	17	248206.00	17	22296.90	1
109	Max	-72	52390.20	11	1850210.00	17	197041.00	17	6499.53	17	2901.18	17	3260.81	17	248206.00	17	22296.90	1
109	Min.	110	-2976500.00	17	-119109.00	11	-58480.60	11	-983.16	1	-120.26	1	-151.51	1	-32178.20	1	-187791.00	17
109	Min.	111	-2976500.00	17	-119109.00	11	-58480.60	11	-983.16	1	-120.26	1	-151.51	1	-32178.20	1	-187791.00	17
109	Min.	-53	-2976500.00	17	-119109.00	11	-58480.60	11	-983.16	1	-120.26	1	-151.51	1	-32178.20	1	-187791.00	17
109	Min.	-72	-2976500.00	17	-119109.00	11	-58480.60	11	-983.16	1	-120.26	1	-151.51	1	-32178.20	1	-187791.00	17
109	Max	110	2761910.00	17	55050.70	11	-34648.90	11	983.06	1	1014.36	17	857.38	17	32164.90	1	164485.00	17
109	Max	111	2761910.00	17	55050.70	11	-34648.90	11	983.06	1	1014.36	17	857.38	17	32164.90	1	164485.00	17
109	Max	-43	2761910.00	17	55050.70	11	-34648.90	11	983.06	1	1014.36	17	857.38	17	32164.90	1	164485.00	17
109	Max	-62	2761910.00	17	55050.70	11	-34648.90	11	983.06	1	1014.36	17	857.38	17	32164.90	1	164485.00	17
109	Min.	110	-211447.00	11	-1936650.00	17	-322908.00	17	-9052.05	17	-120.26	7	-151.51	7	-260910.00	17	-22304.40	1
109	Min.	111	-211447.00	11	-1936650.00	17	-322908.00	17	-9052.05	17	-120.26	7	-151.51	7	-260910.00	17	-22304.40	1
109	Min.	-43	-211447.00	11	-1936650.00	17	-322908.00	17	-9052.05	17	-120.26	7	-151.51	7	-260910.00	17	-22304.40	1
109	Min.	-62	-211447.00	11	-1936650.00	17	-322908.00	17	-9052.05	17	-120.26	7	-151.51	7	-260910.00	17	-22304.40	1
110	Max	110	2299120.00	17	55070.50	5	-34648.80	5	983.28	9	256.23	17	151.53	9	32185.70	9	305878.00	17
110	Max	111	2299120.00	17	55070.50	5	-34648.80	5	983.28	9	256.23	17	151.53	9	32185.70	9	305878.00	17
110	Max	-44	2299120.00	17	55070.50	5	-34648.80	5	983.28	9	256.23	17	151.53	9	32185.70	9	305878.00	17
110	Max	-63	2299120.00	17	55070.50	5	-34648.80	5	983.28	9	256.23	17	151.53	9	32185.70	9	305878.00	17
110	Min.	110	-211437.00	5	-1630820.00	17	-281238.00	17	-15278.70	17	-120.21	15	-151.57	15	-464999.00	17	-22305.40	9
110	Min.	111	-211437.00	5	-1630820.00	17	-281238.00	17	-15278.70	17	-120.21	15	-151.57	15	-464999.00	17	-22305.40	9
110	Min.	-44	-211437.00	5	-1630820.00	17	-281238.00	17	-15278.70	17	-120.21	15	-151.57	15	-464999.00	17	-22305.40	9
110	Min.	-63	-211437.00	5	-1630820.00	17	-281238.00	17	-15278.70	17	-120.21	15	-151.57	15	-464999.00	17	-22305.40	9
110	Max	110	52379.50	5	1544380.00	17	155370.00	17	12726.20	17	3659.31	17	4222.19	17	452296.00	17	22297.90	9
110	Max	111	52379.50	5	1544380.00	17	155370.00	17	12726.20	17	3659.31	17	4222.19	17	452296.00	17	22297.90	9
110	Max	-54	52379.50	5	1544380.00	17	155370.00	17	12726.20	17	3659.31	17	4222.19	17	452296.00	17	22297.90	9
110	Max	-73	52379.50	5	1544380.00	17	155370.00	17	12726.20	17	3659.31	17	4222.19	17	452296.00	17	22297.90	9
110	Min.	110	-2513710.00	17	-119128.00	5	-58480.80	5	-983.38	9	-120.21	9	-151.57	9	-32199.00	9	-329183.00	17
110	Min.	111	-2513710.00	17	-119128.00	5	-58480.80	5	-983.38	9	-120.21	9	-151.57	9	-32199.00	9	-329183.00	17
110	Min.	-54	-2513710.00	17	-119128.00	5	-58480.80	5	-983.38	9	-120.21	9	-151.57	9	-32199.00	9	-329183.00	17
110	Min.	-73	-2513710.00	17	-119128.00	5	-58480.80	5	-983.38	9	-120.21	9	-151.57	9	-32199.00	9	-329183.00	17
111	Max	110	1600770.00	17	60223.70	5	-33942.60	5	1041.46	9	127.37	9	160.49	9	34083.70	9	416190.00	17
111	Max	111	1600770.00	17	60223.70	5	-33942.60	5	1041.46	9	127.37	9	160.49	9	34083.70	9	416190.00	17
111	Max	-45	1600770.00	17	60223.70	5	-33942.60	5	1041.46	9	127.37	9	160.49	9	34083.70	9	416190.00	17
111	Max	-64	1600770.00	17	60223.70	5	-33942.60	5	1041.46	9	127.37	9	160.49	9	34083.70	9	416190.00	17
111	Min.	110	-219261.00	5	-1169590.00	17	-218198.00	17	-20134.70	17	-335.34	17	-853.65	17	-624195.00	17	-23626.90	9
111	Min.	111	-219261.00	5	-1169590.00	17	-218198.00	17	-20134.70	17	-335.34	17	-853.65	17	-624195.00	17	-23626.90	9
111	Min.	-45	-219261.00	5	-1169590.00	17	-218198.00	17	-20134.70	17	-335.34	17	-853.65	17	-624195.00	17	-23626.90	9
111	Min.	-64	-219261.00	5	-1169590.00	17	-218198.00	17	-20134.70	17	-335.34	17	-853.65	17	-624195.00	17	-23626.90	9
111	Max	110	60203.90	5	1083150.00	17	92330.00	17	17582.20	17	4250.89	17	4971.84	17	611492.00	17	23619.40	9
111	Max	111	60203.90	5	1083150.00	17	92330.00	17	17582.20	17	4250.89	17	4971.84	17	611492.00	17	23619.40	9
111	Max	-55	60203.90	5	1083150.00	17	92330.00	17	17582.20	17	4250.89	17	4971.84	17	611492.00	17	23619.40	9
111	Max	-74	60203.90	5	1083150.00	17	92330.00	17	17582.20	17	4250.89	17	4971.84	17	611492.00	17	23619.40	9
111	Min.	110	-1815360.00	17	-124282.00	5	-59187.10	5	-1041.56	9	-127.36	9	-160.53	9	-34097.00	9	-439495.00	17
111	Min.	111	-1815360.00	17	-124282.00	5	-59187.10	5	-1041.56	9	-127.36	9	-160.53	9	-34097.00	9	-439495.00	17
111	Min.	-55	-1815360.00	17	-124282.00	5	-59187.10	5	-1041.56	9	-127.36	9	-160.53	9	-34097.00	9	-439495.00	17
111	Min.	-74	-1815360.00	17	-124282.00	5	-59187.10	5	-1041.56	9	-127.36	9	-160.53	9	-34097.00	9	-439495.00	17
4501	Max	251	0.00	1	0.00	1	0.00	1	232317.00	17	81684.70	9	106143.00	17	11480.30	11	64865.30	17
4501	Max	252	0.00	1	0.00	1	0.00	1	232317.00	17	81684.70	9	106143.00	17	11480.30	11	64865.30	17
4501	Max	-40	0.00	1	0.00	1	0.00	1	232317.00	17	81684.70	9	106143.00	17	11480.30	11	64865.30	17
4501	Max	-39	0.00	1	0.00	1	0.00	1	232317.00	17	81684.70	9	106143.00	17	11480.30	11	64865.30	17
4501	Min.	251	0.00	1	0.00	1	0.00	1	54306.40	9	-394037.00	17	-8801.05	5	5341.35	18	-3640.19	5
4501	Min.	252	0.00	1	0.00	1	0.00	1	54306.40	9	-394037.00	17	-8801.05	5	5341.35	18	-3640.19	5
4501	Min.	-40	0.00	1	0.00	1	0.00	1	54306.40	9	-394037.00	17	-8801.05	5	5341.35	18	-3640.19	5
4501	Min.	-39	0.00	1	0.00	1	0.00	1	54306.40	9	-394037.00	17	-8801.05	5	5341.35	18	-3640.19	5
4501	Max	-47	0.00	1	0.00	1	0.00	1	79671.90	1	84393.30	1	177472.00	17	3312.50	7	7150.63	11
4501	Max	-48	0.00	1	0.00	1	0.00	1	79671.90	1	84393.30	1	177472.00	17	3312.50	7	7150.63	11
4501	Max	1	0.00	1	0.00	1	0.00	1	79671.90	1	84393.30	1	177472.00	17	3312.50	7	7150.63	11
4501	Min.	-47	0.00	1	0.00	1	0.00	1	10630.00	17	24506.40	18	-8131.75	11	-3996.80	1	-157327.00	17
4501	Min.	-48	0.00	1	0.00	1	0.00	1	10630.00	17	24506.40	18	-8131.75	11	-3996.80	1	-157327.00	17
4501	Min.	1	0.00	1	0.00	1	0.00	1	10630.00	17	24506.40	18	-8131.75	11	-3996.80	1	-157327.00	17
4501	Max	-51	0.00	1	0.00	1	0.00	1	80016.40	11	84271.70	11	30715.80	17	76491.50	17	7343.53	7
4501	Max	-52	0.00	1	0.00	1	0.00	1	80016.40	11	84271.70	11	30715.80	17	76491.50	17	7343.53	7
4501	Max	1	0.00	1	0.00	1	0.00	1	80016.40	11	84271.70	11	30715.80	17	76491.50	17	7343.53	7
4501	Min.	-51	0.00	1	0.00	1	0.00	1	-231954.00	17	-325557.00	17	-8064.89	7	-3854.93	11	-10834.40	17
4501	Min.	-52	0.00	1	0.00	1	0.00	1	-231954.00	17	-325557.00	17	-8064.89	7	-3854.93	11	-10834.40	17
4501	Min.	1	0.00	1	0.00	1	0.00	1	-231954.00	17	-325557.00	17	-8064.89	7	-3854.93	11	-10834.40	17
4501	Max	-50	0.00	1	0.00	1	0.00	1	79810.40	9	84492.50	9	83792.40	17	66124.70	17	7223.18	5
4501	Max	-51	0.00	1	0.00	1	0.00	1	79810.40	9	84492.50	9	83792.40	17	66124.70	17	7223.18	5
4501	Max	1	0.00	1	0.00	1	0.00	1	79810.40	9	84492.50	9	83792.40	17	66124.70	17	7223.18	5
4501	Min.	-50	0.00	1	0.00	1	0.00	1	-209312.00	17	-283856.00	17	-8172.02	5	-3998.46	9	-60215.20	17
4501	Min.	-51	0.00	1	0.00	1	0.00	1	-209312.00	17	-283856.00	17	-8172.02	5	-3998.46	9	-60215.20	17
4501	Min.	1	0.00	1	0.00	1	0.00	1	-209312.00	17	-283856.00	17	-8172.02	5	-3998.46	9	-60215.20	17
4501	Max	-54	0.00	1	0.00	1	0.00	1	79946.80	5	84098.60	5	7988.79	9	62017.80	17	123931.00	17
4501	Max	-55	0.00	1	0.00	1	0.00	1	79946.80	5	84098.60	5	7988.79	9	62017.80	17	123931.00	17
4501	Max	1	0.00	1	0.00	1	0.00	1	79946.80	5	84098.60	5	7988.79	9	62017.80	17	123931.00	17
4501	Min.	-54	0.00	1	0.00	1	0.00	1	-118330.00	17	-211252.00	17	-124839.00	17	-3805.22	5	-7381.21	9
4501	Min.	-55	0.00	1	0.00	1	0.00	1	-118330.00	17	-211252.00	17	-124839.00	17	-3805.22	5	-7381.21	9
4501	Min.	1	0.00	1	0.00	1	0.00	1	-118330.00	17	-211252.00	17	-124839.00	17	-3805.22	5	-7381.21	9
4501	Max	-1	0.00	1	0.00	1	0.00	1	80016.40	7	84271.70	7	8064.91	11	20827.70	17	160724.00	17
4501	Max	-37	0.00	1	0.00	1	0.00	1	80016.40	7	84271.70	7	8064.91	11	20827.70	17	160724.00	17
4501	Max	1	0.00	1	0.00	1	0.00	1	80016.40	7	84271.70	7	8064.91	11	20827.70	17	160724.00	17
4501	Min.	-1	0.00	1	0.00	1	0.00	1	50621.90	18	18585.20	17	-176625.00	17	-3854.93	7	-7413.49	11
4501	Min.	-37	0.00	1	0.00	1	0.00	1	50621.90	18	18585.20	17	-176625.00	17	-3854.93	7	-7413.49	11
4501	Min.	1	0.00	1	0.00	1	0.00	1	50621.90	18	18585.20	17	-176625.00	17	-3854.93	7	-7413.49	11
4501	Max	267	0.00	1	0.00	1	0.00	1	70437.00	5	308274.00	17	172108.00	17	13313.70	17	83670.30	17
4501	Max	2	0.00	1	0.00	1	0.00	1	70437.00	5	308274.00	17	172108.00	17	13313.70	17	83670.30	17
4501	Max	-1	0.00	1	0.00	1	0.00	1	70437.00	5	308274.00	17	172108.00	17	13313.70	17	83670.30	17
4501	Max	-55	0.00	1	0.00	1	0.00	1	70437.00	5	308274.00	17	172108.00	17	13313.70	17	83670.30	17
4501	Min.	267	0.00	1	0.00	1	0.00	1	28696.40	18	26153.10	5	-8552.25	9	10075.70	18	-3693.78	9
4501	Min.	2	0.00	1	0.00	1	0.00	1	28696.40	18	26153.10	5	-8552.25	9	10075.70	18	-3693.78	9
4501	Min.	-1	0.00	1	0.00	1	0.00	1	28696.40	18	26153.10	5	-8552.25	9	10075.70	18	-3693.78	9
4501	Min.	-55	0.00	1	0.00	1	0.00	1	28696.40	18	26153.10	5	-8552.25	9	10075.70	18	-3693.78	9
4501	Max	253	0.00	1	0.00	1	0.00	1	263745.00	17	81829.40	11	8166.88	1	11439.20	11	13271.10	17
4501	Max	254	0.00	1	0.00	1	0.00	1	263745.00	17	81829.40	11	8166.88	1	11439.20	11	13271.10	17
4501	Max	-42	0.00	1	0.00	1	0.00	1	263745.00	17	81829.40	11	8166.88	1	11439.20	11	13271.10	17
4501	Max	-41	0.00	1	0.00	1	0.00	1	263745.00	17	81829.40	11	8166.88	1	11439.20	11	13271.10	17
4501	Min.	253	0.00	1	0.00	1	0.00	1	54304.10	11	-539536.00	17	-8816.74	7	6003.85	18	-3673.74	7
4501	Min.	254	0.00	1	0.00	1	0.00	1	54304.10	11	-539536.00	17	-8816.74	7	6003.85	18	-3673.74	7

4501	Min.	-42	0.00	1	0.00	1	0.00	1	54304.10	11	-539536.00	17	-8816.74	7	6003.85	18	-3673.74	7
4501	Min.	-41	0.00	1	0.00	1	0.00	1	54304.10	11	-539536.00	17	-8816.74	7	6003.85	18	-3673.74	7
4501	Max	-49	0.00	1	0.00	1	0.00	1	79946.80	9	84098.60	9	128667.00	17	49234.30	17	7311.19	5
4501	Max	-50	0.00	1	0.00	1	0.00	1	79946.80	9	84098.60	9	128667.00	17	49234.30	17	7311.19	5
4501	Max	1	0.00	1	0.00	1	0.00	1	79946.80	9	84098.60	9	128667.00	17	49234.30	17	7311.19	5
4501	Min.	-49	0.00	1	0.00	1	0.00	1	-157565.00	17	-205753.00	17	-7988.80	5	-3805.22	9	-103768.00	17
4501	Min.	-50	0.00	1	0.00	1	0.00	1	-157565.00	17	-205753.00	17	-7988.80	5	-3805.22	9	-103768.00	17
4501	Min.	1	0.00	1	0.00	1	0.00	1	-157565.00	17	-205753.00	17	-7988.80	5	-3805.22	9	-103768.00	17
4501	Max	-37	0.00	1	0.00	1	0.00	1	165422.00	17	149788.00	17	8131.77	11	3312.50	1	155961.00	17
4501	Max	-38	0.00	1	0.00	1	0.00	1	165422.00	17	149788.00	17	8131.77	11	3312.50	1	155961.00	17
4501	Max	1	0.00	1	0.00	1	0.00	1	165422.00	17	149788.00	17	8131.77	11	3312.50	1	155961.00	17
4501	Min.	-37	0.00	1	0.00	1	0.00	1	51099.10	1	46377.70	1	-177472.00	17	-4015.52	17	-7220.57	11
4501	Min.	-38	0.00	1	0.00	1	0.00	1	51099.10	1	46377.70	1	-177472.00	17	-4015.52	17	-7220.57	11
4501	Min.	1	0.00	1	0.00	1	0.00	1	51099.10	1	46377.70	1	-177472.00	17	-4015.52	17	-7220.57	11
4501	Max	-55	0.00	1	0.00	1	0.00	1	79810.40	5	84492.50	5	8172.01	9	43581.50	17	149687.00	17
4501	Max	-1	0.00	1	0.00	1	0.00	1	79810.40	5	84492.50	5	8172.01	9	43581.50	17	149687.00	17
4501	Max	1	0.00	1	0.00	1	0.00	1	79810.40	5	84492.50	5	8172.01	9	43581.50	17	149687.00	17
4501	Min.	-55	0.00	1	0.00	1	0.00	1	-32338.20	17	-105821.00	17	-158489.00	17	-3998.46	5	-7293.19	9
4501	Min.	-1	0.00	1	0.00	1	0.00	1	-32338.20	17	-105821.00	17	-158489.00	17	-3998.46	5	-7293.19	9
4501	Min.	1	0.00	1	0.00	1	0.00	1	-32338.20	17	-105821.00	17	-158489.00	17	-3998.46	5	-7293.19	9
4501	Max	-48	0.00	1	0.00	1	0.00	1	78657.90	9	82654.30	1	160947.00	17	27474.00	17	6680.13	5
4501	Max	-49	0.00	1	0.00	1	0.00	1	78657.90	9	82654.30	1	160947.00	17	27474.00	17	6680.13	5
4501	Max	1	0.00	1	0.00	1	0.00	1	78657.90	9	82654.30	1	160947.00	17	27474.00	17	6680.13	5
4501	Min.	-48	0.00	1	0.00	1	0.00	1	-81777.10	17	-98894.10	17	-7402.63	11	-3780.91	1	-137231.00	17
4501	Min.	-49	0.00	1	0.00	1	0.00	1	-81777.10	17	-98894.10	17	-7402.63	11	-3780.91	1	-137231.00	17
4501	Min.	1	0.00	1	0.00	1	0.00	1	-81777.10	17	-98894.10	17	-7402.63	11	-3780.91	1	-137231.00	17
4501	Max	260	0.00	1	0.00	1	0.00	1	70289.80	9	393519.00	17	7570.27	5	22850.40	17	4308.04	11
4501	Max	261	0.00	1	0.00	1	0.00	1	70289.80	9	393519.00	17	7570.27	5	22850.40	17	4308.04	11
4501	Max	-49	0.00	1	0.00	1	0.00	1	70289.80	9	393519.00	17	7570.27	5	22850.40	17	4308.04	11
4501	Max	-48	0.00	1	0.00	1	0.00	1	70289.80	9	393519.00	17	7570.27	5	22850.40	17	4308.04	11
4501	Min.	260	0.00	1	0.00	1	0.00	1	-25886.40	17	28513.60	9	-154941.00	17	10684.30	9	-81952.10	17
4501	Min.	261	0.00	1	0.00	1	0.00	1	-25886.40	17	28513.60	9	-154941.00	17	10684.30	9	-81952.10	17
4501	Min.	-49	0.00	1	0.00	1	0.00	1	-25886.40	17	28513.60	9	-154941.00	17	10684.30	9	-81952.10	17
4501	Min.	-48	0.00	1	0.00	1	0.00	1	-25886.40	17	28513.60	9	-154941.00	17	10684.30	9	-81952.10	17
4501	Max	250	0.00	1	0.00	1	0.00	1	193623.00	17	79141.00	9	146917.00	17	11481.70	9	82330.30	17
4501	Max	251	0.00	1	0.00	1	0.00	1	193623.00	17	79141.00	9	146917.00	17	11481.70	9	82330.30	17
4501	Max	-39	0.00	1	0.00	1	0.00	1	193623.00	17	79141.00	9	146917.00	17	11481.70	9	82330.30	17
4501	Max	-38	0.00	1	0.00	1	0.00	1	193623.00	17	79141.00	9	146917.00	17	11481.70	9	82330.30	17
4501	Min.	250	0.00	1	0.00	1	0.00	1	54782.80	9	-247815.00	17	-8220.04	5	5860.56	18	-3249.28	11
4501	Min.	251	0.00	1	0.00	1	0.00	1	54782.80	9	-247815.00	17	-8220.04	5	5860.56	18	-3249.28	11
4501	Min.	-39	0.00	1	0.00	1	0.00	1	54782.80	9	-247815.00	17	-8220.04	5	5860.56	18	-3249.28	11
4501	Min.	-38	0.00	1	0.00	1	0.00	1	54782.80	9	-247815.00	17	-8220.04	5	5860.56	18	-3249.28	11
4501	Max	249	0.00	1	0.00	1	0.00	1	144187.00	17	81247.10	1	172917.00	17	11477.20	9	91755.30	17
4501	Max	250	0.00	1	0.00	1	0.00	1	144187.00	17	81247.10	1	172917.00	17	11477.20	9	91755.30	17
4501	Max	-38	0.00	1	0.00	1	0.00	1	144187.00	17	81247.10	1	172917.00	17	11477.20	9	91755.30	17
4501	Max	-37	0.00	1	0.00	1	0.00	1	144187.00	17	81247.10	1	172917.00	17	11477.20	9	91755.30	17
4501	Min.	249	0.00	1	0.00	1	0.00	1	54748.90	1	-70202.40	17	-8448.05	11	6897.28	18	-3666.94	11
4501	Min.	250	0.00	1	0.00	1	0.00	1	54748.90	1	-70202.40	17	-8448.05	11	6897.28	18	-3666.94	11
4501	Min.	-38	0.00	1	0.00	1	0.00	1	54748.90	1	-70202.40	17	-8448.05	11	6897.28	18	-3666.94	11
4501	Min.	-37	0.00	1	0.00	1	0.00	1	54748.90	1	-70202.40	17	-8448.05	11	6897.28	18	-3666.94	11
4501	Max	-52	0.00	1	0.00	1	0.00	1	79671.90	11	84393.30	11	8131.77	1	79319.60	17	39539.80	17
4501	Max	-53	0.00	1	0.00	1	0.00	1	79671.90	11	84393.30	11	8131.77	1	79319.60	17	39539.80	17
4501	Max	1	0.00	1	0.00	1	0.00	1	79671.90	11	84393.30	11	8131.77	1	79319.60	17	39539.80	17
4501	Min.	-52	0.00	1	0.00	1	0.00	1	-223274.00	17	-326774.00	17	-25366.90	17	-3996.80	11	-7220.57	1
4501	Min.	-53	0.00	1	0.00	1	0.00	1	-223274.00	17	-326774.00	17	-25366.90	17	-3996.80	11	-7220.57	1
4501	Min.	1	0.00	1	0.00	1	0.00	1	-223274.00	17	-326774.00	17	-25366.90	17	-3996.80	11	-7220.57	1
4501	Max	-44	0.00	1	0.00	1	0.00	1	294382.00	17	387304.00	17	124839.00	17	3120.91	5	7311.19	9
4501	Max	-45	0.00	1	0.00	1	0.00	1	294382.00	17	387304.00	17	124839.00	17	3120.91	5	7311.19	9
4501	Max	1	0.00	1	0.00	1	0.00	1	294382.00	17	387304.00	17	124839.00	17	3120.91	5	7311.19	9
4501	Min.	-44	0.00	1	0.00	1	0.00	1	50824.10	5	46672.30	5	-7988.80	9	-63061.00	17	-125297.00	17
4501	Min.	-45	0.00	1	0.00	1	0.00	1	50824.10	5	46672.30	5	-7988.80	9	-63061.00	17	-125297.00	17
4501	Min.	1	0.00	1	0.00	1	0.00	1	50824.10	5	46672.30	5	-7988.80	9	-63061.00	17	-125297.00	17
4501	Max	-43	0.00	1	0.00	1	0.00	1	360174.00	17	463438.00	17	78968.00	17	3096.61	11	6680.13	9
4501	Max	-44	0.00	1	0.00	1	0.00	1	360174.00	17	463438.00	17	78968.00	17	3096.61	11	6680.13	9
4501	Max	1	0.00	1	0.00	1	0.00	1	360174.00	17	463438.00	17	78968.00	17	3096.61	11	6680.13	9
4501	Min.	-43	0.00	1	0.00	1	0.00	1	52113.20	5	48116.70	11	-7402.63	1	-75375.20	17	-87343.30	17
4501	Min.	-44	0.00	1	0.00	1	0.00	1	52113.20	5	48116.70	11	-7402.63	1	-75375.20	17	-87343.30	17
4501	Min.	1	0.00	1	0.00	1	0.00	1	52113.20	5	48116.70	11	-7402.63	1	-75375.20	17	-87343.30	17
4501	Max	259	0.00	1	0.00	1	0.00	1	70323.80	1	215907.00	17	7798.36	11	21295.30	17	4725.65	11
4501	Max	260	0.00	1	0.00	1	0.00	1	70323.80	1	215907.00	17	7798.36	11	21295.30	17	4725.65	11
4501	Max	-48	0.00	1	0.00	1	0.00	1	70323.80	1	215907.00	17	7798.36	11	21295.30	17	4725.65	11
4501	Max	-47	0.00	1	0.00	1	0.00	1	70323.80	1	215907.00	17	7798.36	11	21295.30	17	4725.65	11
4501	Min.	259	0.00	1	0.00	1	0.00	1	22385.10	18	26407.60	1	-180941.00	17	10688.80	9	-91377.10	17
4501	Min.	260	0.00	1	0.00	1	0.00	1	22385.10	18	26407.60	1	-180941.00	17	10688.80	9	-91377.10	17
4501	Min.	-48	0.00	1	0.00	1	0.00	1	22385.10	18	26407.60	1	-180941.00	17	10688.80	9	-91377.10	17
4501	Min.	-47	0.00	1	0.00	1	0.00	1	22385.10	18	26407.60	1	-180941.00	17	10688.80	9	-91377.10	17
4501	Max	-45	0.00	1	0.00	1	0.00	1	208390.00	17	281873.00	17	158488.00	17	3314.16	5	7223.18	9
4501	Max	-46	0.00	1	0.00	1	0.00	1	208390.00	17	281873.00	17	158488.00	17	3314.16	5	7223.18	9
4501	Max	1	0.00	1	0.00	1	0.00	1	208390.00	17	281873.00	17	158488.00	17	3314.16	5	7223.18	9
4501	Min.	-45	0.00	1	0.00	1	0.00	1	50960.50	5	46278.50	5	-8172.02	9	-44624.60	17	-151053.00	17
4501	Min.	-46	0.00	1	0.00	1	0.00	1	50960.50	5	46278.50	5	-8172.02	9	-44624.60	17	-151053.00	17
4501	Min.	1	0.00	1	0.00	1	0.00	1	50960.50	5	46278.50	5	-8172.02	9	-44624.60	17	-151053.00	17
4501	Max	262	0.00	1	0.00	1	0.00	1	70437.10	9	640261.00	17	7902.55	5	23554.50	17	4752.51	5
4501	Max	263	0.00	1	0.00	1	0.00	1	70437.10	9	640261.00	17	7902.55	5	23554.50	17	4752.51	5
4501	Max	-51	0.00	1	0.00	1	0.00	1	70437.10	9	640261.00	17	7902.55	5	23554.50	17	4752.51	5
4501	Max	-50	0.00	1	0.00	1	0.00	1	70437.10	9	640261.00	17	7902.55	5	23554.50	17	4752.51	5
4501	Min.	262	0.00	1	0.00	1	0.00	1	-88742.30	17	26153.10	9	-62613.50	17	10686.90	11	-40691.00	17
4501	Min.	263	0.00	1	0.00	1	0.00	1	-88742.30	17	26153.10	9	-62613.50	17	10686.90	11	-40691.00	17
4501	Min.	-51	0.00	1	0.00	1	0.00	1	-88742.30	17	26153.10	9	-62613.50	17	10686.90	11	-40691.00	17
4501	Min.	-50	0.00	1	0.00	1	0.00	1	-88742.30	17	26153.10	9	-62613.50	17	10686.90	11	-40691.00	17
4501	Max	261	0.00	1	0.00	1	0.00	1	70766.30	9	539741.00	17	8151.18	5	23629.20	17	4699.01	5
4501	Max	262	0.00	1	0.00	1	0.00	1	70766.30	9	539741.00	17	8151.18	5	23629.20	17	4699.01	5
4501	Max	-50	0.00	1	0.00	1	0.00	1	70766.30	9	539741.00	17	8151.18	5	23629.20	17	4699.01	5
4501	Max	-49	0.00	1	0.00	1	0.00	1	70766.30	9	539741.00	17	8151.18	5	23629.20	17	4699.01	5
4501	Min.	261	0.00	1	0.00	1	0.00	1	-64580.20	17	25970.00	9	-114166.00	17	10685.70	11	-64487.00	17
4501	Min.	262	0.00	1	0.00	1	0.00	1	-64580.20	17	25970.00	9	-114166.00	17	10685.70	11	-64487.00	17
4501	Min.	-50	0.00	1	0.00	1	0.00	1	-64580.20	17	25970.00	9	-114166.00	17	10685.70	11	-64487.00	17
4501	Min.	-49	0.00	1	0.00	1	0.00	1	-64580.20	17	25970.00	9	-114166.00	17	10685.70	11	-64487.00	17
4501	Max	266	0.00	1	0.00	1	0.00	1	70766.30	5	472088.00	17	145381.00	17	16059.80	17	66951.80	17
4501	Max	267	0.00	1	0.00	1	0.00	1	70766.30	5	472088.00	17	145381.00	17	16059.80	17	66951.80	17
4501	Max	-55	0.00	1	0.00	1	0.00	1	70766.30	5	472088.00	17	145381.00	17	16059.80	17	66951.80	17
4501	Max	-54	0.00	1	0.00	1	0.00	1	70766.30	5	472088.00	17	145381.00	17	16059.80	17	66951.80	17
4501	Min.	266	0.00	1	0.00	1	0.00	1	-17834.00	17	25970.00	5	-8801.05	9	10685.70	7	-3640.19	9
4501	Min.	267	0.00	1	0.00	1	0.00	1	-17834.00	17	25970.00	5	-8801.05	9	10685.70	7	-3640.19	9
4501	Min.	-55	0.00	1	0.00	1	0.00	1	-17834.00	17	25970.00	5	-8801.05	9	10685.70	7	-3640.19	9

4501	Min.	-54	0.00	1	0.00	1	0.00	1	-17834.00	17	25970.00	5	-8801.05	9	10685.70	7	-3640.19	9
4501	Max	265	0.00	1	0.00	1	0.00	1	70289.80	5	596826.00	17	104028.00	17	18695.30	17	43697.90	17
4501	Max	266	0.00	1	0.00	1	0.00	1	70289.80	5	596826.00	17	104028.00	17	18695.30	17	43697.90	17
4501	Max	-54	0.00	1	0.00	1	0.00	1	70289.80	5	596826.00	17	104028.00	17	18695.30	17	43697.90	17
4501	Max	-53	0.00	1	0.00	1	0.00	1	70289.80	5	596826.00	17	104028.00	17	18695.30	17	43697.90	17
4501	Min.	265	0.00	1	0.00	1	0.00	1	-58729.10	17	28513.60	5	-8220.04	9	10684.30	5	-3249.28	1
4501	Min.	266	0.00	1	0.00	1	0.00	1	-58729.10	17	28513.60	5	-8220.04	9	10684.30	5	-3249.28	1
4501	Min.	-54	0.00	1	0.00	1	0.00	1	-58729.10	17	28513.60	5	-8220.04	9	10684.30	5	-3249.28	1
4501	Min.	-53	0.00	1	0.00	1	0.00	1	-58729.10	17	28513.60	5	-8220.04	9	10684.30	5	-3249.28	1
4501	Max	264	0.00	1	0.00	1	0.00	1	70323.80	11	670271.00	17	52098.80	17	20961.20	17	16185.40	17
4501	Max	265	0.00	1	0.00	1	0.00	1	70323.80	11	670271.00	17	52098.80	17	20961.20	17	16185.40	17
4501	Max	-53	0.00	1	0.00	1	0.00	1	70323.80	11	670271.00	17	52098.80	17	20961.20	17	16185.40	17
4501	Max	-52	0.00	1	0.00	1	0.00	1	70323.80	11	670271.00	17	52098.80	17	20961.20	17	16185.40	17
4501	Min.	264	0.00	1	0.00	1	0.00	1	-85666.60	17	26407.60	11	-8448.05	1	10688.80	5	-3666.93	1
4501	Min.	265	0.00	1	0.00	1	0.00	1	-85666.60	17	26407.60	11	-8448.05	1	10688.80	5	-3666.93	1
4501	Min.	-53	0.00	1	0.00	1	0.00	1	-85666.60	17	26407.60	11	-8448.05	1	10688.80	5	-3666.93	1
4501	Min.	-52	0.00	1	0.00	1	0.00	1	-85666.60	17	26407.60	11	-8448.05	1	10688.80	5	-3666.93	1
4501	Max	263	0.00	1	0.00	1	0.00	1	70768.60	11	685240.00	17	8166.88	7	22635.40	17	4732.54	7
4501	Max	264	0.00	1	0.00	1	0.00	1	70768.60	11	685240.00	17	8166.88	7	22635.40	17	4732.54	7
4501	Max	-52	0.00	1	0.00	1	0.00	1	70768.60	11	685240.00	17	8166.88	7	22635.40	17	4732.54	7
4501	Max	-51	0.00	1	0.00	1	0.00	1	70768.60	11	685240.00	17	8166.88	7	22635.40	17	4732.54	7
4501	Min.	263	0.00	1	0.00	1	0.00	1	-96007.70	17	25825.30	11	-8816.73	1	10726.90	11	-12892.80	17
4501	Min.	264	0.00	1	0.00	1	0.00	1	-96007.70	17	25825.30	11	-8816.73	1	10726.90	11	-12892.80	17
4501	Min.	-52	0.00	1	0.00	1	0.00	1	-96007.70	17	25825.30	11	-8816.73	1	10726.90	11	-12892.80	17
4501	Min.	-51	0.00	1	0.00	1	0.00	1	-96007.70	17	25825.30	11	-8816.73	1	10726.90	11	-12892.80	17
4501	Max	-39	0.00	1	0.00	1	0.00	1	333617.00	17	381805.00	17	7988.79	5	3120.91	9	102402.00	17
4501	Max	-40	0.00	1	0.00	1	0.00	1	333617.00	17	381805.00	17	7988.79	5	3120.91	9	102402.00	17
4501	Max	1	0.00	1	0.00	1	0.00	1	333617.00	17	381805.00	17	7988.79	5	3120.91	9	102402.00	17
4501	Min.	-39	0.00	1	0.00	1	0.00	1	50824.10	9	46672.30	9	-128667.00	17	-50277.50	17	-7381.21	5
4501	Min.	-40	0.00	1	0.00	1	0.00	1	50824.10	9	46672.30	9	-128667.00	17	-50277.50	17	-7381.21	5
4501	Min.	1	0.00	1	0.00	1	0.00	1	50824.10	9	46672.30	9	-128667.00	17	-50277.50	17	-7381.21	5
4501	Max	-38	0.00	1	0.00	1	0.00	1	257829.00	17	274946.00	17	7402.63	11	3096.61	1	135864.00	17
4501	Max	-39	0.00	1	0.00	1	0.00	1	257829.00	17	274946.00	17	7402.63	11	3096.61	1	135864.00	17
4501	Max	1	0.00	1	0.00	1	0.00	1	257829.00	17	274946.00	17	7402.63	11	3096.61	1	135864.00	17
4501	Min.	-38	0.00	1	0.00	1	0.00	1	52113.20	9	48116.70	1	-160947.00	17	-28517.20	17	-6750.11	5
4501	Min.	-39	0.00	1	0.00	1	0.00	1	52113.20	9	48116.70	1	-160947.00	17	-28517.20	17	-6750.11	5
4501	Min.	1	0.00	1	0.00	1	0.00	1	52113.20	9	48116.70	1	-160947.00	17	-28517.20	17	-6750.11	5
4501	Max	252	0.00	1	0.00	1	0.00	1	256479.00	17	81501.60	9	54590.00	17	11479.10	11	41069.20	17
4501	Max	253	0.00	1	0.00	1	0.00	1	256479.00	17	81501.60	9	54590.00	17	11479.10	11	41069.20	17
4501	Max	-41	0.00	1	0.00	1	0.00	1	256479.00	17	81501.60	9	54590.00	17	11479.10	11	41069.20	17
4501	Max	-40	0.00	1	0.00	1	0.00	1	256479.00	17	81501.60	9	54590.00	17	11479.10	11	41069.20	17
4501	Min.	252	0.00	1	0.00	1	0.00	1	54635.70	9	-494557.00	17	-8552.25	5	5391.12	18	-3693.78	5
4501	Min.	253	0.00	1	0.00	1	0.00	1	54635.70	9	-494557.00	17	-8552.25	5	5391.12	18	-3693.78	5
4501	Min.	-41	0.00	1	0.00	1	0.00	1	54635.70	9	-494557.00	17	-8552.25	5	5391.12	18	-3693.78	5
4501	Min.	-40	0.00	1	0.00	1	0.00	1	54635.70	9	-494557.00	17	-8552.25	5	5391.12	18	-3693.78	5
4501	Max	258	0.00	1	0.00	1	0.00	1	78891.60	17	81829.40	7	8166.88	11	19117.50	17	4732.54	11
4501	Max	259	0.00	1	0.00	1	0.00	1	78891.60	17	81829.40	7	8166.88	11	19117.50	17	4732.54	11
4501	Max	-47	0.00	1	0.00	1	0.00	1	78891.60	17	81829.40	7	8166.88	11	19117.50	17	4732.54	11
4501	Max	-46	0.00	1	0.00	1	0.00	1	78891.60	17	81829.40	7	8166.88	11	19117.50	17	4732.54	11
4501	Min.	258	0.00	1	0.00	1	0.00	1	54304.10	7	21927.20	18	-189621.00	17	10726.90	1	-91838.60	17
4501	Min.	259	0.00	1	0.00	1	0.00	1	54304.10	7	21927.20	18	-189621.00	17	10726.90	1	-91838.60	17
4501	Min.	-47	0.00	1	0.00	1	0.00	1	54304.10	7	21927.20	18	-189621.00	17	10726.90	1	-91838.60	17
4501	Min.	-46	0.00	1	0.00	1	0.00	1	54304.10	7	21927.20	18	-189621.00	17	10726.90	1	-91838.60	17
4501	Max	257	0.00	1	0.00	1	0.00	1	134720.00	17	81501.60	5	7902.56	9	16527.60	17	4752.51	9
4501	Max	258	0.00	1	0.00	1	0.00	1	134720.00	17	81501.60	5	7902.56	9	16527.60	17	4752.51	9
4501	Max	-46	0.00	1	0.00	1	0.00	1	134720.00	17	81501.60	5	7902.56	9	16527.60	17	4752.51	9
4501	Max	-45	0.00	1	0.00	1	0.00	1	134720.00	17	81501.60	5	7902.56	9	16527.60	17	4752.51	9
4501	Min.	257	0.00	1	0.00	1	0.00	1	54635.70	5	-162570.00	17	-180132.00	17	10686.90	1	-83292.10	17
4501	Min.	258	0.00	1	0.00	1	0.00	1	54635.70	5	-162570.00	17	-180132.00	17	10686.90	1	-83292.10	17
4501	Min.	-46	0.00	1	0.00	1	0.00	1	54635.70	5	-162570.00	17	-180132.00	17	10686.90	1	-83292.10	17
4501	Min.	-45	0.00	1	0.00	1	0.00	1	54635.70	5	-162570.00	17	-180132.00	17	10686.90	1	-83292.10	17
4501	Max	2	0.00	1	0.00	1	0.00	1	88845.50	17	121409.00	17	181598.00	17	11439.20	1	92216.90	17
4501	Max	249	0.00	1	0.00	1	0.00	1	88845.50	17	121409.00	17	181598.00	17	11439.20	1	92216.90	17
4501	Max	-37	0.00	1	0.00	1	0.00	1	88845.50	17	121409.00	17	181598.00	17	11439.20	1	92216.90	17
4501	Max	-1	0.00	1	0.00	1	0.00	1	88845.50	17	121409.00	17	181598.00	17	11439.20	1	92216.90	17
4501	Min.	2	0.00	1	0.00	1	0.00	1	54304.10	1	25825.30	7	-8816.74	11	8349.10	18	-3673.73	11
4501	Min.	249	0.00	1	0.00	1	0.00	1	54304.10	1	25825.30	7	-8816.74	11	8349.10	18	-3673.73	11
4501	Min.	-37	0.00	1	0.00	1	0.00	1	54304.10	1	25825.30	7	-8816.74	11	8349.10	18	-3673.73	11
4501	Min.	-1	0.00	1	0.00	1	0.00	1	54304.10	1	25825.30	7	-8816.74	11	8349.10	18	-3673.73	11
4501	Max	-42	0.00	1	0.00	1	0.00	1	399326.00	17	502826.00	17	25367.00	17	3312.50	11	7150.63	1
4501	Max	-43	0.00	1	0.00	1	0.00	1	399326.00	17	502826.00	17	25367.00	17	3312.50	11	7150.63	1
4501	Max	1	0.00	1	0.00	1	0.00	1	399326.00	17	502826.00	17	25367.00	17	3312.50	11	7150.63	1
4501	Min.	-42	0.00	1	0.00	1	0.00	1	51099.10	11	46377.70	11	-8131.75	1	-80362.80	17	-40906.20	17
4501	Min.	-43	0.00	1	0.00	1	0.00	1	51099.10	11	46377.70	11	-8131.75	1	-80362.80	17	-40906.20	17
4501	Min.	1	0.00	1	0.00	1	0.00	1	51099.10	11	46377.70	11	-8131.75	1	-80362.80	17	-40906.20	17
4501	Max	-41	0.00	1	0.00	1	0.00	1	408006.00	17	501609.00	17	8064.91	7	3170.63	11	9468.02	17
4501	Max	-42	0.00	1	0.00	1	0.00	1	408006.00	17	501609.00	17	8064.91	7	3170.63	11	9468.02	17
4501	Max	1	0.00	1	0.00	1	0.00	1	408006.00	17	501609.00	17	8064.91	7	3170.63	11	9468.02	17
4501	Min.	-41	0.00	1	0.00	1	0.00	1	50754.50	11	46499.30	11	-30715.80	17	-77534.70	17	-7413.49	7
4501	Min.	-42	0.00	1	0.00	1	0.00	1	50754.50	11	46499.30	11	-30715.80	17	-77534.70	17	-7413.49	7
4501	Min.	1	0.00	1	0.00	1	0.00	1	50754.50	11	46499.30	11	-30715.80	17	-77534.70	17	-7413.49	7
4501	Max	-40	0.00	1	0.00	1	0.00	1	385364.00	17	459908.00	17	8172.01	5	3314.16	9	58848.70	17
4501	Max	-41	0.00	1	0.00	1	0.00	1	385364.00	17	459908.00	17	8172.01	5	3314.16	9	58848.70	17
4501	Max	1	0.00	1	0.00	1	0.00	1	385364.00	17	459908.00	17	8172.01	5	3314.16	9	58848.70	17
4501	Min.	-40	0.00	1	0.00	1	0.00	1	50960.50	9	46278.50	9	-83792.50	17	-67167.90	17	-7293.19	5
4501	Min.	-41	0.00	1	0.00	1	0.00	1	50960.50	9	46278.50	9	-83792.50	17	-67167.90	17	-7293.19	5
4501	Min.	1	0.00	1	0.00	1	0.00	1	50960.50	9	46278.50	9	-83792.50	17	-67167.90	17	-7293.19	5
4501	Max	256	0.00	1	0.00	1	0.00	1	185571.00	17	81684.70	5	8151.19	9	13781.60	17	4699.00	9
4501	Max	257	0.00	1	0.00	1	0.00	1	185571.00	17	81684.70	5	8151.19	9	13781.60	17	4699.00	9
4501	Max	-45	0.00	1	0.00	1	0.00	1	185571.00	17	81684.70	5	8151.19	9	13781.60	17	4699.00	9
4501	Max	-44	0.00	1	0.00	1	0.00	1	185571.00	17	81684.70	5	8151.19	9	13781.60	17	4699.00	9
4501	Min.	256	0.00	1	0.00	1	0.00	1	54306.40	5	-326384.00	17	-153405.00	17	10387.60	18	-66573.50	17
4501	Min.	257	0.00	1	0.00	1	0.00	1	54306.40	5	-326384.00	17	-153405.00	17	10387.60	18	-66573.50	17
4501	Min.	-45	0.00	1	0.00	1	0.00	1	54306.40	5	-326384.00	17	-153405.00	17	10387.60	18	-66573.50	17
4501	Min.	-44	0.00	1	0.00	1	0.00	1	54306.40	5	-326384.00	17	-153405.00	17	10387.60	18	-66573.50	17
4501	Max	255	0.00	1	0.00	1	0.00	1	226466.00	17	79141.00	5	7570.27	9	11481.70	5	4308.04	1
4501	Max	256	0.00	1	0.00	1	0.00	1	226466.00	17	79141.00	5	7570.27	9	11481.70	5	4308.04	1
4501	Max	-44	0.00	1	0.00	1	0.00	1	226466.00	17	79141.00	5	7570.27	9	11481.70	5	4308.04	1
4501	Max	-43	0.00	1	0.00	1	0.00	1	226466.00	17	79141.00	5	7570.27	9	11481.70	5	4308.04	1
4501	Min.	255	0.00	1	0.00	1	0.00	1	54782.80	5	-451122.00	17	-112052.00	17	8630.60	18	-43319.70	17
4501	Min.	256	0.00	1	0.00	1	0.00	1	54782.80	5	-451122.00	17	-112052.00	17	8630.60	18	-43319.70	17
4501	Min.	-44	0.00	1	0.00	1	0.00	1	54782.80	5	-451122.00	17	-112052.00	17	8630.60	18	-43319.70	17
4501	Min.	-43	0.00	1	0.00	1	0.00	1	54782.80	5	-451122.00	17	-112052.00	17	8630.60	18	-43319.70	17
4501	Max	254	0.00	1	0.00	1	0.00	1	253404.00	17	81247.10	11	7798.37	1	11477.20	5	4725.64	1
4501	Max	255	0.00	1	0.00	1	0.00	1	253404.00	17	81247.10	11	7798.37	1	11477.20	5	4725.64	1

4501	Max	-43	0.00	1	0.00	1	0.00	1	253404.00	17	81247.10	11	7798.37	1	11477.20	5	4725.64	1
4501	Max	-42	0.00	1	0.00	1	0.00	1	253404.00	17	81247.10	11	7798.37	1	11477.20	5	4725.64	1
4501	Min.	254	0.00	1	0.00	1	0.00	1	54748.90	11	-524567.00	17	-60121.90	17	7120.00	18	-15807.30	17
4501	Min.	255	0.00	1	0.00	1	0.00	1	54748.90	11	-524567.00	17	-60121.90	17	7120.00	18	-15807.30	17
4501	Min.	-43	0.00	1	0.00	1	0.00	1	54748.90	11	-524567.00	17	-60121.90	17	7120.00	18	-15807.30	17
4501	Min.	-42	0.00	1	0.00	1	0.00	1	54748.90	11	-524567.00	17	-60121.90	17	7120.00	18	-15807.30	17
4501	Max	-53	0.00	1	0.00	1	0.00	1	78657.90	5	82654.30	11	7402.63	1	74332.00	17	85976.90	17
4501	Max	-54	0.00	1	0.00	1	0.00	1	78657.90	5	82654.30	11	7402.63	1	74332.00	17	85976.90	17
4501	Max	1	0.00	1	0.00	1	0.00	1	78657.90	5	82654.30	11	7402.63	1	74332.00	17	85976.90	17
4501	Min.	-53	0.00	1	0.00	1	0.00	1	-184122.00	17	-287386.00	17	-78968.00	17	-3780.91	11	-6750.11	9
4501	Min.	-54	0.00	1	0.00	1	0.00	1	-184122.00	17	-287386.00	17	-78968.00	17	-3780.91	11	-6750.11	9
4501	Min.	1	0.00	1	0.00	1	0.00	1	-184122.00	17	-287386.00	17	-78968.00	17	-3780.91	11	-6750.11	9
4501	Max	-46	0.00	1	0.00	1	0.00	1	110615.00	17	157467.00	17	176625.00	17	3170.63	7	7343.53	11
4501	Max	-47	0.00	1	0.00	1	0.00	1	110615.00	17	157467.00	17	176625.00	17	3170.63	7	7343.53	11
4501	Max	1	0.00	1	0.00	1	0.00	1	110615.00	17	157467.00	17	176625.00	17	3170.63	7	7343.53	11
4501	Min.	-46	0.00	1	0.00	1	0.00	1	50754.50	7	46499.30	7	-8064.89	11	-21870.80	17	-162090.00	17
4501	Min.	-47	0.00	1	0.00	1	0.00	1	50754.50	7	46499.30	7	-8064.89	11	-21870.80	17	-162090.00	17
4501	Min.	1	0.00	1	0.00	1	0.00	1	50754.50	7	46499.30	7	-8064.89	11	-21870.80	17	-162090.00	17

Sintesi

Tipo di normativa: stati limite D.M. 08
Tipo di calcolo: analisi sismica statica

Dati generali della struttura

- Zona sismica: zona 4
- Sito di costruzione: SP144, 72026 San Pancrazio salentino BR, Italia LON. 17.79020 LAT. 40.39720
  Contenuto tra ID reticolo: 34809 34808 35030 35031

Pericolosità sismica di base

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
FV = Valore massimo del fattore di amplificazione dello spettro in accelerazione verticale
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
S = Coefficiente di amplificazione stratigrafica e topografica
TC = Periodo corrispondente all'inizio del tratto dello spettro a velocità costante
TB = Periodo corrispondente all'inizio del tratto dello spettro ad accelerazione costante
TD = Periodo corrispondente all'inizio del tratto dello spettro a spostamento costante

TCC	T_R	Ag <g>	FO	FV	TC*	S_S	C_C	S	TC	TB	TD
SLD	201	0.0386	2.48	0.66	0.40	1.00	1.00	1.00	0.40	0.13	1.75
SLV	1898	0.0708	2.86	1.03	0.53	1.00	1.00	1.00	0.53	0.18	1.88

- Edificio esistente: No
- Tipo di opera: Opera ordinaria
- Vita nominale V_N: 100.00
- Classe d'uso: Classe IV
- Coefficiente d'uso CU: 2.00
- Periodo di riferimento VR: 200.00

Dati di progetto

- Categoria del suolo di fondazione: A
- Tipologia edificio: acciaio a mensola o a pendolo inverso

Coeff. C_1: 0.085
Periodo T_1: 3.00847
Coeff. λ SLD: 1.00
Coeff. λ SLV: 1.00
Rapporto di sovraresistenza (α_u/α_1): 1.00
Valore di riferimento del fattore di struttura (q_0): 2.00
Fattore riduttivo (K_w): 1.00
Fattore riduttivo regolarità in altezza (KR): 1.00
Fattore di struttura (q): 2.00

- Categoria topografica: T1 - Superficie pianeggiante, pendii e rilievi isolati con inclinazione media i<=15°
- Coeff. amplificazione topografica S_T: 1.00

- Quota di riferimento: 0.00 <m>
- Altezza della struttura: 116.21 <m>
- Numero piani edificio: 0
- Coefficiente θ: 0.00
- Edificio regolare in altezza: si
- Edificio regolare in pianta: si
- Classe di duttilità: Classe B
- Fattore di struttura per sisma verticale (qv): 1.50
- Smorzamento spettro: 5.00%
- Coefficiente θ: 0.00

Spettro SLD.TXT :

0.0000 0.3791
0.0500 0.5911
0.1000 0.8031
0.1322 0.9397
0.1500 0.9397
0.2000 0.9397
0.2500 0.9397
0.3000 0.9397
0.3500 0.9397
0.3966 0.9397
0.4000 0.9317
0.4500 0.8282
0.5000 0.7454
0.5500 0.6776
0.6000 0.6212
0.6500 0.5734
0.7000 0.5324
0.7500 0.4969
0.8000 0.4659
0.8500 0.4385
0.9000 0.4141
0.9500 0.3923
1.0000 0.3727
1.0500 0.3549
1.1000 0.3388
1.1500 0.3241
1.2000 0.3106
1.2500 0.2982
1.3000 0.2867
1.3500 0.2761
1.4000 0.2662
1.4500 0.2570
1.5000 0.2485
1.5500 0.2404
1.6000 0.2329
1.6500 0.2259
1.7000 0.2192
1.7500 0.2130
1.7546 0.2124
1.8000 0.2018
1.8500 0.1911
1.9000 0.1811
1.9500 0.1720
2.0000 0.1635
2.0500 0.1556
2.1000 0.1483
2.1500 0.1415
2.2000 0.1351
2.2500 0.1292
2.3000 0.1236
2.3500 0.1184
2.4000 0.1135
2.4500 0.1089
2.5000 0.1046
2.5500 0.1006
2.6000 0.0967
2.6500 0.0931
2.7000 0.0897
2.7500 0.0865
2.8000 0.0834
2.8500 0.0805
2.9000 0.0778
2.9500 0.0751
3.0000 0.0727
3.0500 0.0703
3.1000 0.0680
3.1500 0.0659
3.2000 0.0639

3.2500 0.0619
3.3000 0.0600
3.3500 0.0583
3.4000 0.0566
3.4500 0.0549
3.5000 0.0534
3.5500 0.0519
3.6000 0.0505
3.6500 0.0491
3.7000 0.0478
3.7500 0.0465
3.8000 0.0453
3.8500 0.0441
3.9000 0.0430
3.9500 0.0419
4.0000 0.0409

Spettro SLV.TXT :

0.0000 0.6944
0.0500 0.7793
0.1000 0.8642
0.1500 0.9491
0.1768 0.9946
0.2000 0.9946
0.2500 0.9946
0.3000 0.9946
0.3500 0.9946
0.4000 0.9946
0.4500 0.9946
0.5000 0.9946
0.5304 0.9946
0.5500 0.9591
0.6000 0.8792
0.6500 0.8115
0.7000 0.7536
0.7500 0.7033
0.8000 0.6594
0.8500 0.6206
0.9000 0.5861
0.9500 0.5553
1.0000 0.5275
1.0500 0.5024
1.1000 0.4795
1.1500 0.4587
1.2000 0.4396
1.2500 0.4220
1.3000 0.4058
1.3500 0.3907
1.4000 0.3768
1.4500 0.3638
1.5000 0.3517
1.5500 0.3403
1.6000 0.3297
1.6500 0.3197
1.7000 0.3103
1.7500 0.3014
1.8000 0.2931
1.8500 0.2851
1.8831 0.2801
1.9000 0.2752
1.9500 0.2612
2.0000 0.2483
2.0500 0.2364
2.1000 0.2253
2.1500 0.2149
2.2000 0.2052
2.2500 0.1962
2.3000 0.1878
2.3500 0.1799
2.4000 0.1725
2.4500 0.1655
2.5000 0.1589
2.5500 0.1528
2.6000 0.1469
2.6500 0.1415
2.7000 0.1389
2.7500 0.1389
2.8000 0.1389
2.8500 0.1389
2.9000 0.1389
2.9500 0.1389

3.0000 0.1389
3.0500 0.1389
3.1000 0.1389
3.1500 0.1389
3.2000 0.1389
3.2500 0.1389
3.3000 0.1389
3.3500 0.1389
3.4000 0.1389
3.4500 0.1389
3.5000 0.1389
3.5500 0.1389
3.6000 0.1389
3.6500 0.1389
3.7000 0.1389
3.7500 0.1389
3.8000 0.1389
3.8500 0.1389
3.9000 0.1389
3.9500 0.1389
4.0000 0.1389

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	peso proprio struttura	1.00	1.00	0.00	0.00	0.00	1.00	1	S	--
2	peso navicella	1.00	1.00	0.00	0.00	0.00	1.00	2	S	--
3	vento navicella	1.00	1.00	0.00	0.00	0.00	1.00	10	S	B
4	vento torre	1.00	1.00	0.00	0.00	0.00	1.00	10	S	B
5	neve navicella	1.00	1.00	0.00	0.00	0.00	1.00	11	S	B
6	zavorra	1.00	1.00	0.00	0.00	0.00	1.00	1	S	--

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	1.50				
10	D.M. 08 Variabili Vento	Q	N	0.00	1.50	0.60	0.20	0.00	0.00

11	D.M. 08 Variabili Neve (a quota <= 1000 m s.l.m.)	Q	N	0.00	1.50	0.50	0.20	0.00	0.00

Elenco masse nodi

Simbologia
Nodo = Numero del nodo
Mo = Massa orizzontale

Nodo	Mo <kg>	Nodo	Mo <kg>	Nodo	Mo <kg>	Nodo	Mo <kg>	Nodo	Mo <kg>	Nodo	Mo <kg>
-123	4636.50	-122	4636.50	-121	4636.50	-120	4791.05	-119	4829.69	-118	4829.69
-117	4597.43	-116	7009.11	-115	7990.93	-114	4090.92	-113	5998.53	-112	5660.40
-111	4558.36	-110	4560.99	-109	4435.47	-108	4309.28	-107	4068.75	-106	4197.60
-105	4052.37	-104	4092.08	-103	3763.50	-102	3653.58	-101	3570.92	-100	3588.57
-99	3349.98	-98	3242.05	-97	2594.93	-96	2530.78	-95	2917.45	-94	2842.39
-93	2711.58	-92	2609.68	-91	2523.88	-90	2397.26	-89	2339.15	-88	1585.54
-87	1520.18	-86	1511.89	-85	2007.40	-84	1908.15	-83	1785.23	-82	1666.87
-81	1340.48	-80	1898.97	-79	1767.51	-78	1698.58	-77	1274.09	-76	1441.98
-75	1783.72	-74	2560.65	-73	2560.65	-72	2560.65	-71	2560.65	-70	2560.65
-69	2560.65	-68	2560.65	-67	2560.65	-66	2560.65	-65	2560.65	-64	2560.65
-63	2560.65	-62	2560.65	-61	2560.65	-60	2560.65	-59	2560.65	-58	2560.65
-57	2560.65	-56	2560.65	-19	2560.65	110	46715.60	112	7500.02	113	6040.92
114	5044.73	115	5829.46	116	5245.04	117	4559.68	118	4498.23	119	4372.38
120	4189.01	121	4133.18	122	4124.99	123	4072.22	124	3927.78	125	3708.54
126	3612.24	127	3579.75	128	3469.27	129	3296.02	130	2918.48	131	2562.86
132	2724.11	133	2879.93	134	2776.98	135	2660.64	136	2566.78	137	2460.58
138	2368.20	139	1962.35	140	1552.86	141	1516.04	142	1759.64	143	1957.78
144	1846.69	145	1726.05	146	1644.90	147	1478.50	148	1833.24	149	1733.05
150	1486.34	151	1358.04	152	1612.84	153	116590.00	268	4829.69	269	4810.37
270	4713.78	271	4636.50	272	4636.51						

Totali masse nodi

Mo <kg>
532544.00

Prove in sito
Elenco colonne stratigrafiche

Simbologia
St. = Strato
z = Profondità della superficie superiore dello strato
Spess. = Spessore
Unità geotecnica = Unità geotecnica
Class. = Classificazione
Coes. = Coesivo
Inc. = Incoerente
Roc. = Roccia
N. c. = Non classificato
γ = Peso specifico del terreno naturale
γ_{sat} = Peso specifico del terreno saturo
ϕ' = Angolo di attrito efficace
c' = Coesione efficace
c_u = Coesione non drenata
E = Modulo elastico normale
G = Modulo elastico tangenziale
E_{ed} = Modulo edometrico

Colonna stratigrafica numero 1 str_01

St.	z <m>	Spess. <cm>	Unità geotecnica	Class.	γ <daN/mc>	γ_{sat} <daN/mc>	ϕ' <grad>	c' <daN/mq>	c_u <daN/mq>	E <daN/mq>	G <daN/mq>	E_{ed} <daN/mq>
1	0.00	--	1 Calcare	Roc.	2060.00	2060.00	35.00	800.00		83600000.00	29020000.00	58040000.00

Le verifiche degli elementi di fondazione sono state effettuate utilizzando l'approccio 2 - Combinazione 1.
Coefficienti parziali per le azioni, per verifiche in condizioni statiche:
Permanenti strutturali, sicurezza a favore $\gamma_A = 1.00$;
Permanenti strutturali, sicurezza a sfavore $\gamma_A = 1.30$;
Permanenti non strutturali, sicurezza a favore $\gamma_A = 0.00$;
Permanenti non strutturali, sicurezza a sfavore $\gamma_A = 1.50$;
Variabili, sicurezza a favore $\gamma_A = 0.00$;
Variabili, sicurezza a sfavore $\gamma_A = 1.50$.

I coefficienti parziali per le azioni sono posti pari all'unità per le verifiche in condizioni sismiche.

Tali coefficienti sono comunque desumibili dalla tabella delle combinazioni delle CCE (Parametri di calcolo).

Coefficienti parziali per i parametri geotecnici:

Tangente dell'angolo di attrito γ_M = 1.00;
Coesione efficace γ_M = 1.00;
Coesione non drenata γ_M = 1.00;

Coefficienti parziali per la resistenza delle fondazioni superficiali:
Capacità portante γ_R = 2.30;
Scorrimento γ_R = 1.10;
Coefficienti parziali per la resistenza delle fondazioni profonde:
Per pali infissi:
Resistenza alla base $\gamma_{R,b}$ = 1.15;
Resistenza laterale in compressione $\gamma_{R,s}$ = 1.15;
Resistenza laterale in trazione $\gamma_{R,t}$ = 1.25;
Per pali trivellati:
Resistenza alla base $\gamma_{R,b}$ = 1.35;
Resistenza laterale in compressione $\gamma_{R,s}$ = 1.15;
Resistenza laterale in trazione $\gamma_{R,t}$ = 1.25;
Per pali ad elica continua:
Resistenza alla base $\gamma_{R,b}$ = 1.30;
Resistenza laterale in compressione $\gamma_{R,s}$ = 1.15;
Resistenza laterale in trazione $\gamma_{R,t}$ = 1.25;
Fattore di correlazione per la determinazione della resistenza caratteristica desumibile dai criteri di progetto.

Spostamento relativo

Max = 0.00 <cm>

Minimo coefficiente di sicurezza

Simbologia
Elem. = Elemento
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
TV = Tipo di verifica
  PRFL = Flessione e pressoflessione
  TAG = Taglio o altre rotture fragili
  NOD = Nodi in c.a. e collegamenti in acciaio
  STAB = Stabilità
  CP = Capacità portante
  RNP = Resistenza nel piano
  RFP = Resistenza fuori piano
  CIN = Cinematismi
Sic. = Sicurezza

Tabella elementi e minimo coefficiente di sicurezza

Elem.	CC	TCC	TV	Sic.
Asta in acciaio n. 10	17	SLU	PRFL	1.00
Asta in acciaio n. 10	17	SLU	TAG	31.42
Asta in acciaio n. 10	17	SLU	STAB	3.43

Minimo coefficiente di sicurezza:1.00

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:
- Legge n. 64 del 2/2/1974 - Provvedimenti per le costruzioni con particolari prescrizioni per le zone sismiche.

- D.M. del 24/1/1986 - Norme tecniche relative alle costruzioni sismiche.

- Legge n. 1086 del 5/11/1971 - Norme per la disciplina delle opere di conglomerato cementizio armato, normale e precompresso ed a struttura metallica.

- D.M. del 14/2/1992 - Norme tecniche per l'esecuzione delle opere in c.a. normale e precompresso e per le strutture metalliche.

- D.M. del 9/1/1996 - Norme tecniche per l'esecuzione delle opere in c.a. normale e precompresso e per le strutture metalliche.

- D.M. del 16/1/1996 - Norme tecniche per le costruzioni in zone sismiche.

- Circolare n. 21745 del 30/7/1981 - Legge n. 219 del 14/5/1981 - Art. 10 - Istruzioni relative al rafforzamento degli edifici in muratura danneggiati dal sisma.

- Regione Autonoma Friuli Venezia Giulia - Legge Regionale n. 30 del 20/6/1977 - Documentazione tecnica per la progettazione e direzione delle opere di riparazione degli edifici - Documento Tecnico n. 2 - Raccomandazioni per la riparazione strutturale degli edifici in muratura.

- D.M. del 20/11/1987 - Norme Tecniche per la progettazione, esecuzione e collaudo degli edifici in muratura e per il loro consolidamento.

- Norme Tecniche C.N.R. n. 10011-85 del 18/4/1985 - Costruzioni di acciaio - Istruzioni per il calcolo, l'esecuzione, il collaudo e la manutenzione.

- Norme Tecniche C.N.R. n. 10025-84 del 14/12/1984 - Istruzioni per il progetto, l'esecuzione ed il controllo

delle strutture prefabbricate in conglomerato cementizio e per le strutture costruite con sistemi industrializzati di acciaio - Istruzioni per il calcolo, l'esecuzione, il collaudo e la manutenzione.

- Circolare n. 65 del 10/4/1997 - Istruzioni per l'applicazione delle "Norme tecniche per le costruzioni in zone sismiche" di cui al D.M. del 16/1/1996.

- Eurocodice 5 - Progettazione delle strutture di legno.

- DIN 1052 - Metodi di verifica per il legno.

- 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.

- Documento Tecnico CNR-DT 200 R1/2012 - Istruzioni per la Progettazione, l'Esecuzione ed il Controllo di Interventi di Consolidamento Statico mediante l'utilizzo di Compositi Fibrorinforzati.

- Eurocodice 3 - Progettazione delle strutture in acciaio.

- UNI EN 1992-1-2 - Aprile 2005 - Eurocodice 2 - Progettazione delle strutture di calcestruzzo - Parte 1-2: Regole generali - Progettazione strutturale contro l'incendio.

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
TV = Tipo vincolo se valutato da stratigrafia
SP = Plinto senza pali
CP = Palo o plinto con pali
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.	TV	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				
5	calcarenite	CP	E	E	E	E	E	B				f(strat.)
5	calcarenite	SP	B	B	E	B	B	B				f(strat.)

Elenco costanti elastiche nodali

Simbologia
Nodo = Numero del nodo
Kx = Costante elastica in dir. X
Ky = Costante elastica in dir. Y
Kz = Costante elastica in dir. Z
KRx = Costante elastica intorno all'asse X
KRy = Costante elastica intorno all'asse Y

Nodo	Kx <daN/cm>	Ky <daN/cm>	Kz <daN/cm>	KRx <daNm/rad>	KRy <daNm/rad>
335	189509.00	189509.00	2722940.00	109304000.00	109304000.00
337	189509.00	189509.00	2722940.00	109304000.00	109304000.00
339	189509.00	189509.00	2722940.00	109304000.00	109304000.00
341	189509.00	189509.00	2722940.00	109304000.00	109304000.00
343	189509.00	189509.00	2722940.00	109304000.00	109304000.00
345	189509.00	189509.00	2722940.00	109304000.00	109304000.00
347	189509.00	189509.00	2722940.00	109304000.00	109304000.00

349	189509.00	189509.00	2722940.00	109304000.00	109304000.00
351	189509.00	189509.00	2722940.00	109304000.00	109304000.00
353	189509.00	189509.00	2722940.00	109304000.00	109304000.00

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	Nodo	X <m>	Y <m>	Z <m>	Imp.	Vn	Nodo	X <m>	Y <m>	Z <m>	Imp.	Vn
-123	0.00	0.00	30.02	0	1	-122	0.00	0.00	27.61	0	1	-121	0.00	0.00	25.21	0	1
-120	0.00	0.00	22.77	0	1	-119	0.00	0.00	20.29	0	1	-118	0.00	0.00	17.79	0	1
-117	0.00	0.00	31.21	0	1	-116	0.00	0.00	4.99	0	1	-115	0.00	0.00	7.74	0	1
-114	0.00	0.00	9.95	0	1	-113	0.00	0.00	12.15	0	1	-112	0.00	0.00	15.07	0	1
-111	0.00	0.00	32.47	0	1	-110	0.00	0.00	35.02	0	1	-109	0.00	0.00	37.63	0	1
-108	0.00	0.00	40.30	0	1	-107	0.00	0.00	43.01	0	1	-106	0.00	0.00	45.82	0	1
-105	0.00	0.00	48.75	0	1	-104	0.00	0.00	51.67	0	1	-103	0.00	0.00	54.58	0	1
-102	0.00	0.00	57.49	0	1	-101	0.00	0.00	60.40	0	1	-100	0.00	0.00	63.31	0	1
-99	0.00	0.00	66.23	0	1	-98	0.00	0.00	69.14	0	1	-97	0.00	0.00	71.80	0	1
-96	0.00	0.00	74.22	0	1	-95	0.00	0.00	76.88	0	1	-94	0.00	0.00	79.77	0	1
-93	0.00	0.00	82.65	0	1	-92	0.00	0.00	85.54	0	1	-91	0.00	0.00	88.43	0	1
-90	0.00	0.00	91.31	0	1	-89	0.00	0.00	94.20	0	1	-88	0.00	0.00	96.68	0	1
-87	0.00	0.00	98.74	0	1	-86	0.00	0.00	100.80	0	1	-85	0.00	0.00	103.27	0	1
-84	0.00	0.00	106.14	0	1	-83	0.00	0.00	109.01	0	1	-82	0.00	0.00	111.88	0	1
-81	0.00	0.00	114.75	0	1	-80	0.00	0.00	117.12	0	1	-79	0.00	0.00	120.00	0	1
-78	0.00	0.00	122.87	0	1	-77	0.00	0.00	125.40	0	1	-76	0.00	0.00	127.60	0	1
-75	0.00	0.00	129.79	0	1	-74	1.90	-0.62	3.70	0	1	-73	1.62	-1.18	3.70	0	1
-72	1.18	-1.62	3.70	0	1	-71	0.62	-1.90	3.70	0	1	-70	0.00	-2.00	3.70	0	1
-69	-0.62	-1.90	3.70	0	1	-68	-1.18	-1.62	3.70	0	1	-67	-1.62	-1.18	3.70	0	1
-66	-1.90	-0.62	3.70	0	1	-65	-2.00	-0.00	3.70	0	1	-64	-1.90	0.62	3.70	0	1
-63	-1.62	1.18	3.70	0	1	-62	-1.18	1.62	3.70	0	1	-61	-0.62	1.90	3.70	0	1
-60	-0.00	2.00	3.70	0	1	-59	0.62	1.90	3.70	0	1	-58	1.18	1.62	3.70	0	1
-57	1.62	1.18	3.70	0	1	-56	1.90	0.62	3.70	0	1	-55	1.90	-0.62	0.00	0	3
-54	1.62	-1.18	0.00	0	3	-53	1.18	-1.62	0.00	0	3	-52	0.62	-1.90	0.00	0	3
-51	0.00	-2.00	0.00	0	3	-50	-0.62	-1.90	0.00	0	3	-49	-1.18	-1.62	0.00	0	3
-48	-1.62	-1.18	0.00	0	3	-47	-1.90	-0.62	0.00	0	3	-46	-2.00	-0.00	0.00	0	3
-45	-1.90	0.62	0.00	0	3	-44	-1.62	1.18	0.00	0	3	-43	-1.18	1.62	0.00	0	3
-42	-0.62	1.90	0.00	0	3	-41	-0.00	2.00	0.00	0	3	-40	0.62	1.90	0.00	0	3
-39	1.18	1.62	0.00	0	3	-38	1.62	1.18	0.00	0	3	-37	1.90	0.62	0.00	0	3
-19	2.00	0.00	3.70	0	1	-1	2.00	0.00	0.00	0	3	1	0.00	0.00	0.00	0	3
2	2.70	0.00	0.00	0	3	110	0.00	0.00	3.70	0	1	111	0.00	0.00	1.50	0	3
112	0.00	0.00	6.27	0	1	113	0.00	0.00	9.20	0	1	114	0.00	0.00	10.70	0	1
115	0.00	0.00	13.61	0	1	116	0.00	0.00	16.54	0	1	117	0.00	0.00	33.72	0	1
118	0.00	0.00	36.31	0	1	119	0.00	0.00	38.95	0	1	120	0.00	0.00	41.66	0	1
121	0.00	0.00	44.35	0	1	122	0.00	0.00	47.28	0	1	123	0.00	0.00	50.22	0	1
124	0.00	0.00	53.13	0	1	125	0.00	0.00	56.04	0	1	126	0.00	0.00	58.95	0	1
127	0.00	0.00	61.86	0	1	128	0.00	0.00	64.77	0	1	129	0.00	0.00	67.68	0	1
130	0.00	0.00	70.59	0	1	131	0.00	0.00	73.01	0	1	132	0.00	0.00	75.44	0	1
133	0.00	0.00	78.32	0	1	134	0.00	0.00	81.21	0	1	135	0.00	0.00	84.10	0	1
136	0.00	0.00	86.98	0	1	137	0.00	0.00	89.87	0	1	138	0.00	0.00	92.76	0	1
139	0.00	0.00	95.64	0	1	140	0.00	0.00	97.71	0	1	141	0.00	0.00	99.77	0	1
142	0.00	0.00	101.83	0	1	143	0.00	0.00	104.70	0	1	144	0.00	0.00	107.57	0	1
145	0.00	0.00	110.44	0	1	146	0.00	0.00	113.31	0	1	147	0.00	0.00	115.69	0	1
148	0.00	0.00	118.56	0	1	149	0.00	0.00	121.43	0	1	150	0.00	0.00	124.31	0	1
151	0.00	0.00	126.50	0	1	152	0.00	0.00	128.69	0	1	153	0.00	0.00	130.89	0	1
249	2.57	0.83	0.00	0	3	250	2.18	1.59	0.00	0	3	251	1.59	2.18	0.00	0	3
252	0.83	2.57	0.00	0	3	253	0.00	2.70	0.00	0	3	254	-0.83	2.57	0.00	0	3
255	-1.59	2.18	0.00	0	3	256	-2.18	1.59	0.00	0	3	257	-2.57	0.83	0.00	0	3
258	-2.70	0.00	0.00	0	3	259	-2.57	-0.83	0.00	0	3	260	-2.18	-1.59	0.00	0	3
261	-1.59	-2.18	0.00	0	3	262	-0.83	-2.57	0.00	0	3	263	-0.00	-2.70	0.00	0	3
264	0.83	-2.57	0.00	0	3	265	1.59	-2.18	0.00	0	3	266	2.18	-1.59	0.00	0	3
267	2.57	-0.83	0.00	0	3	268	0.00	0.00	19.04	0	1	269	0.00	0.00	21.54	0	1
270	0.00	0.00	24.02	0	1	271	0.00	0.00	26.41	0	1	272	0.00	0.00	28.82	0	1
273	4.16	0.00	0.00	0	3	274	5.62	0.00	0.00	0	3	275	7.08	0.00	0.00	0	3
276	8.54	0.00	0.00	0	3	277	10.00	0.00	0.00	0	3	278	3.96	1.29	0.00	0	3
279	3.37	2.45	0.00	0	3	280	2.45	3.37	0.00	0	3	281	1.29	3.96	0.00	0	3
282	-0.00	4.16	0.00	0	3	283	-1.29	3.96	0.00	0	3	284	-2.45	3.37	0.00	0	3
285	-3.37	2.45	0.00	0	3	286	-3.96	1.29	0.00	0	3	287	-4.16	-0.00	0.00	0	3
288	-3.96	-1.29	0.00	0	3	289	-3.37	-2.45	0.00	0	3	290	-2.45	-3.37	0.00	0	3
291	-1.29	-3.96	0.00	0	3	292	0.00	-4.16	0.00	0	3	293	1.29	-3.96	0.00	0	3
294	2.45	-3.37	0.00	0	3	295	3.37	-2.45	0.00	0	3	296	3.96	-1.29	0.00	0	3
297	5.34	1.74	0.00	0	3	298	4.55	3.30	0.00	0	3	299	3.30	4.55	0.00	0	3
300	1.74	5.34	0.00	0	3	301	-0.00	5.62	0.00	0	3	302	-1.74	5.34	0.00	0	3

303	-3.30	4.55	0.00	0	3
306	-5.62	-0.00	0.00	0	3
309	-3.30	-4.55	0.00	0	3
312	1.74	-5.34	0.00	0	3
315	5.34	-1.74	0.00	0	3
318	4.16	5.73	0.00	0	3
321	-2.19	6.73	0.00	0	3
324	-6.73	2.19	0.00	0	3
327	-5.73	-4.16	0.00	0	3
330	0.00	-7.08	0.00	0	3
333	5.73	-4.16	0.00	0	3
336	6.91	5.02	0.00	0	3
339	0.00	8.54	0.00	0	5
342	-6.91	5.02	0.00	0	3
345	-8.12	-2.64	0.00	0	5
348	-2.64	-8.12	0.00	0	3
351	5.02	-6.91	0.00	0	5
354	9.51	3.09	0.00	0	3
357	3.09	9.51	0.00	0	3
360	-5.88	8.09	0.00	0	3
363	-10.00	0.00	0.00	0	3
366	-5.88	-8.09	0.00	0	3
369	3.09	-9.51	0.00	0	3
372	9.51	-3.09	0.00	0	3

304	-4.55	3.30	0.00	0	3
307	-5.34	-1.74	0.00	0	3
310	-1.74	-5.34	0.00	0	3
313	3.30	-4.55	0.00	0	3
316	6.73	2.19	0.00	0	3
319	2.19	6.73	0.00	0	3
322	-4.16	5.73	0.00	0	3
325	-7.08	-0.00	0.00	0	3
328	-4.16	-5.73	0.00	0	3
331	2.19	-6.73	0.00	0	3
334	6.73	-2.19	0.00	0	3
337	5.02	6.91	0.00	0	5
340	-2.64	8.12	0.00	0	3
343	-8.12	2.64	0.00	0	5
346	-6.91	-5.02	0.00	0	3
349	-0.00	-8.54	0.00	0	5
352	6.91	-5.02	0.00	0	3
355	8.09	5.88	0.00	0	3
358	0.00	10.00	0.00	0	3
361	-8.09	5.88	0.00	0	3
364	-9.51	-3.09	0.00	0	3
367	-3.09	-9.51	0.00	0	3
370	5.88	-8.09	0.00	0	3

305	-5.34	1.74	0.00	0	3
308	-4.55	-3.30	0.00	0	3
311	0.00	-5.62	0.00	0	3
314	4.55	-3.30	0.00	0	3
317	5.73	4.16	0.00	0	3
320	-0.00	7.08	0.00	0	3
323	-5.73	4.16	0.00	0	3
326	-6.73	-2.19	0.00	0	3
329	-2.19	-6.73	0.00	0	3
332	4.16	-5.73	0.00	0	3
335	8.12	2.64	0.00	0	5
338	2.64	8.12	0.00	0	3
341	-5.02	6.91	0.00	0	5
344	-8.54	0.00	0.00	0	3
347	-5.02	-6.91	0.00	0	5
350	2.64	-8.12	0.00	0	3
353	8.12	-2.64	0.00	0	5
356	5.88	8.09	0.00	0	3
359	-3.09	9.51	0.00	0	3
362	-9.51	3.09	0.00	0	3
365	-8.09	-5.88	0.00	0	3
368	-0.00	-10.00	0.00	0	3
371	8.09	-5.88	0.00	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
2	Acciaio	7850	2100000.00	800000.00	0.3	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
s = Spessore
R = Raggio
Ma = Numero del materiale
C = Numero del criterio di progetto
Ccol = Numero del criterio di progetto collegamento

Sez.	Comm.	Tipo	Me	Ver.	s <cm>	R <cm>	Ma	C	Ccol
1	s_01_01	Cir.c	T	A	5.50	200.00	2	1	1
3	s_01_03	Cir.c	T	A	3.88	200.00	2	1	1
5	s_02_02	Cir.c	T	A	3.52	200.00	2	1	1
7	s_02_04	Cir.c	T	A	3.20	200.00	2	1	1
9	s_02_06	Cir.c	T	A	2.87	200.00	2	1	1
11	s_03_01	Cir.c	T	A	2.82	199.70	2	1	1
13	s_03_03	Cir.c	T	A	2.53	198.60	2	1	1
15	s_03_05	Cir.c	T	A	2.50	197.40	2	1	1
17	s_03_08	Cir.c	T	A	2.19	195.70	2	1	1
19	s_04_01	Cir.c	T	A	2.08	194.30	2	1	1
21	s_04_03	Cir.c	T	A	1.96	191.60	2	1	1
23	s_04_05	Cir.c	T	A	1.85	188.90	2	1	1
25	s_04_07	Cir.c	T	A	1.74	186.10	2	1	1
27	s_04_09	Cir.c	T	A	1.60	184.00	2	1	1
29	s_05_01	Cir.c	T	A	1.54	181.50	2	1	1
31	s_05_03	Cir.c	T	A	1.40	177.50	2	1	1
33	s_05_06	Cir.c	T	A	1.54	171.50	2	1	1
35	s_05_08	Cir.c	T	A	1.41	167.50	2	1	1
37	s_05_10	Cir.c	T	A	1.60	164.20	2	1	1
39	s_03_06	Cir.c	T	A	2.34	196.80	2	1	1
2	s_01_02	Cir.c	T	A	5.80	200.00	2	1	1
4	s_02_01	Cir.c	T	A	3.66	200.00	2	1	1
6	s_02_03	Cir.c	T	A	3.37	200.00	2	1	1
8	s_02_05	Cir.c	T	A	3.02	200.00	2	1	1
10	s_02_07	Cir.c	T	A	2.77	200.00	2	1	1
12	s_03_02	Cir.c	T	A	2.60	199.10	2	1	1
14	s_03_04	Cir.c	T	A	2.48	198.00	2	1	1
16	s_03_07	Cir.c	T	A	2.27	196.30	2	1	1
18	s_03_09	Cir.c	T	A	2.14	195.30	2	1	1
20	s_04_02	Cir.c	T	A	2.04	193.00	2	1	1
22	s_04_04	Cir.c	T	A	1.90	190.20	2	1	1
24	s_04_06	Cir.c	T	A	1.77	187.50	2	1	1
26	s_04_08	Cir.c	T	A	1.66	185.00	2	1	1
28	s_04_10	Cir.c	T	A	1.60	183.00	2	1	1
30	s_05_02	Cir.c	T	A	1.48	179.50	2	1	1
32	s_05_05	Cir.c	T	A	1.30	173.50	2	1	1
34	s_05_07	Cir.c	T	A	1.45	169.50	2	1	1
36	s_05_09	Cir.c	T	A	1.40	165.70	2	1	1
38	s_05_11	Cir.c	T	A	2.00	162.70	2	1	1
40	s_05_04	Cir.c	T	A	1.32	175.50	2	1	1

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	2	273		1		0.00	55	0.00	0.00	0.00	0.00	
0	273	274		1		0.00	55	0.00	0.00	0.00	0.00	
0	274	275		1		0.00	55	0.00	0.00	0.00	0.00	
0	275	276		1		0.00	55	0.00	0.00	0.00	0.00	
0	276	277		1		0.00	55	0.00	0.00	0.00	0.00	
0	116	-118	3	1		0.00	55	0.00	0.00	0.00	0.00	
0	-118	268	3	1		0.00	55	0.00	0.00	0.00	0.00	
0	268	-119	3	1		0.00	55	0.00	0.00	0.00	0.00	
0	-119	269	3	1		0.00	55	0.00	0.00	0.00	0.00	
0	269	-120	3	1		0.00	55	0.00	0.00	0.00	0.00	
0	-120	270	3	1		0.00	55	0.00	0.00	0.00	0.00	
0	270	-121	3	1		0.00	55	0.00	0.00	0.00	0.00	
0	-121	271	3	1		0.00	55	0.00	0.00	0.00	0.00	
0	271	-122	3	1		0.00	55	0.00	0.00	0.00	0.00	
0	-122	272	3	1		0.00	55	0.00	0.00	0.00	0.00	
0	272	-123	3	1		0.00	55	0.00	0.00	0.00	0.00	
0	-123	-117	3	1		0.00	55	0.00	0.00	0.00	0.00	
0	-117	-111	4	1		0.00	55	0.00	0.00	0.00	0.00	
10	110	-116	2	1		0.00	55	0.00	0.00	0.00	0.00	
10	-116	112	1	1		0.00	55	0.00	0.00	0.00	0.00	
10	112	-115	1	1		0.00	55	0.00	0.00	0.00	0.00	
10	-115	113	1	1		0.00	55	0.00	0.00	0.00	0.00	
10	113	-114	1	1		0.00	55	0.00	0.00	0.00	0.00	
10	-114	114	1	1		0.00	55	0.00	0.00	0.00	0.00	
10	114	-113	1	1		0.00	55	0.00	0.00	0.00	0.00	
10	-113	115	1	1		0.00	55	0.00	0.00	0.00	0.00	
10	115	-112	3	1		0.00	55	0.00	0.00	0.00	0.00	
10	-112	116	3	1		0.00	55	0.00	0.00	0.00	0.00	
10	-111	117	4	1		0.00	55	0.00	0.00	0.00	0.00	
10	117	-110	5	1		0.00	55	0.00	0.00	0.00	0.00	
10	-110	118	5	1		0.00	55	0.00	0.00	0.00	0.00	
10	118	-109	6	1		0.00	55	0.00	0.00	0.00	0.00	
10	-109	119	6	1		0.00	55	0.00	0.00	0.00	0.00	
10	119	-108	7	1		0.00	55	0.00	0.00	0.00	0.00	
10	-108	120	7	1		0.00	55	0.00	0.00	0.00	0.00	
10	120	-107	8	1		0.00	55	0.00	0.00	0.00	0.00	
10	-107	121	8	1		0.00	55	0.00	0.00	0.00	0.00	
10	121	-106	9	1		0.00	55	0.00	0.00	0.00	0.00	
10	-106	122	9	1		0.00	55	0.00	0.00	0.00	0.00	
10	122	-105	10	1		0.00	55	0.00	0.00	0.00	0.00	
10	-105	123	10	1		0.00	55	0.00	0.00	0.00	0.00	
10	123	-104	11	1		0.00	55	0.00	0.00	0.00	0.00	
10	-104	124	11	1		0.00	55	0.00	0.00	0.00	0.00	
10	124	-103	12	1		0.00	55	0.00	0.00	0.00	0.00	
10	-103	125	12	1		0.00	55	0.00	0.00	0.00	0.00	
10	125	-102	13	1		0.00	55	0.00	0.00	0.00	0.00	
10	-102	126	13	1		0.00	55	0.00	0.00	0.00	0.00	
10	126	-101	14	1		0.00	55	0.00	0.00	0.00	0.00	
10	-101	127	14	1		0.00	55	0.00	0.00	0.00	0.00	
10	127	-100	15	1		0.00	55	0.00	0.00	0.00	0.00	
10	-100	128	15	1		0.00	55	0.00	0.00	0.00	0.00	
10	128	-99	39	1		0.00	55	0.00	0.00	0.00	0.00	
10	-99	129	39	1		0.00	55	0.00	0.00	0.00	0.00	
10	129	-98	16	1		0.00	55	0.00	0.00	0.00	0.00	
10	-98	130	16	1		0.00	55	0.00	0.00	0.00	0.00	
10	130	-97	17	1		0.00	55	0.00	0.00	0.00	0.00	
10	-97	131	17	1		0.00	55	0.00	0.00	0.00	0.00	
10	131	-96	18	1		0.00	55	0.00	0.00	0.00	0.00	
10	-96	132	18	1		0.00	55	0.00	0.00	0.00	0.00	
10	132	-95	19	1		0.00	55	0.00	0.00	0.00	0.00	
10	-95	133	19	1		0.00	55	0.00	0.00	0.00	0.00	
10	133	-94	20	1		0.00	55	0.00	0.00	0.00	0.00	
10	-94	134	20	1		0.00	55	0.00	0.00	0.00	0.00	
10	134	-93	21	1		0.00	55	0.00	0.00	0.00	0.00	
10	-93	135	21	1		0.00	55	0.00	0.00	0.00	0.00	
10	135	-92	22	1		0.00	55	0.00	0.00	0.00	0.00	
10	-92	136	22	1		0.00	55	0.00	0.00	0.00	0.00	
10	136	-91	23	1		0.00	55	0.00	0.00	0.00	0.00	
10	-91	137	23	1		0.00	55	0.00	0.00	0.00	0.00	
10	137	-90	24	1		0.00	55	0.00	0.00	0.00	0.00	
10	-90	138	24	1		0.00	55	0.00	0.00	0.00	0.00	
10	138	-89	25	1		0.00	55	0.00	0.00	0.00	0.00	
10	-89	139	25	1		0.00	55	0.00	0.00	0.00	0.00	
10	139	-88	26	1		0.00	55	0.00	0.00	0.00	0.00	

10	-88	140	26	1		0.00	55	0.00	0.00	0.00	0.00	
10	140	-87	27	1		0.00	55	0.00	0.00	0.00	0.00	
10	-87	141	27	1		0.00	55	0.00	0.00	0.00	0.00	
10	141	-86	28	1		0.00	55	0.00	0.00	0.00	0.00	
10	-86	142	28	1		0.00	55	0.00	0.00	0.00	0.00	
10	142	-85	29	1		0.00	55	0.00	0.00	0.00	0.00	
10	-85	143	29	1		0.00	55	0.00	0.00	0.00	0.00	
10	143	-84	30	1		0.00	55	0.00	0.00	0.00	0.00	
10	-84	144	30	1		0.00	55	0.00	0.00	0.00	0.00	
10	144	-83	31	1		0.00	55	0.00	0.00	0.00	0.00	
10	-83	145	31	1		0.00	55	0.00	0.00	0.00	0.00	
10	145	-82	40	1		0.00	55	0.00	0.00	0.00	0.00	
10	-82	146	40	1		0.00	55	0.00	0.00	0.00	0.00	
10	146	-81	32	1		0.00	55	0.00	0.00	0.00	0.00	
10	-81	147	32	1		0.00	55	0.00	0.00	0.00	0.00	
10	147	-80	33	1		0.00	55	0.00	0.00	0.00	0.00	
10	-80	148	33	1		0.00	55	0.00	0.00	0.00	0.00	
10	148	-79	34	1		0.00	55	0.00	0.00	0.00	0.00	
10	-79	149	34	1		0.00	55	0.00	0.00	0.00	0.00	
10	149	-78	35	1		0.00	55	0.00	0.00	0.00	0.00	
10	-78	150	35	1		0.00	55	0.00	0.00	0.00	0.00	
10	150	-77	36	1		0.00	55	0.00	0.00	0.00	0.00	
10	-77	151	36	1		0.00	55	0.00	0.00	0.00	0.00	
10	151	-76	37	1		0.00	55	0.00	0.00	0.00	0.00	
10	-76	152	37	1		0.00	55	0.00	0.00	0.00	0.00	
10	152	-75	38	1		0.00	55	0.00	0.00	0.00	0.00	
10	-75	153	38	1		0.00	55	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>
1	s1965	W-RTC	S	1	1	196.50	f(strat.)
3	s2425	W-RTC	S	1	1	242.50	f(strat.)
5	s2885	W-RTC	S	1	1	288.50	f(strat.)
7	s200	F	G	2	1	20.00	

Tb	Comm.	Tipo	Uso	Mat.	Crit.	Spess. <cm>	Kt <daN/cmc>
2	s2195	W-RTC	S	1	1	219.50	f(strat.)
4	s2655	W-RTC	S	1	1	265.50	f(strat.)
6	s3500	W-RTC	S	1	1	350.00	f(strat.)

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
0	1	33	0.00	0.00	0.51	363 364 345 344
0	5	33	0.00	0.00	0.51	293 294 265 264
0	2	33	0.00	0.00	0.51	349 350 331 330
0	1	33	0.00	0.00	0.51	360 361 342 341
0	5	33	0.00	0.00	0.51	279 280 251 250
0	5	33	0.00	0.00	0.51	282 283 254 253
0	3	33	0.00	0.00	0.51	316 317 298 297
0	4	33	0.00	0.00	0.51	308 309 290 289
0	2	33	0.00	0.00	0.51	338 339 320 319

Bid.	Tb	FF	Dy1 <cm>	Dy2 <cm>	Kt <daN/cmc>	NN
0	1	33	0.00	0.00	0.51	365 366 347 346
0	5	33	0.00	0.00	0.51	288 289 260 259
0	1	33	0.00	0.00	0.51	355 356 337 336
0	5	33	0.00	0.00	0.51	284 285 256 255
0	5	33	0.00	0.00	0.51	287 288 259 258
0	5	33	0.00	0.00	0.51	281 282 253 252
0	3	33	0.00	0.00	0.51	332 333 314 313
0	3	33	0.00	0.00	0.51	334 275 274 315
0	2	33	0.00	0.00	0.51	340 341 322 321

0	5	33	0.00	0.00	0.51	280 281 252 251
0	3	33	0.00	0.00	0.51	326 327 308 307
0	4	33	0.00	0.00	0.51	306 307 288 287
0	4	33	0.00	0.00	0.51	274 297 278 273
0	4	33	0.00	0.00	0.51	297 298 279 278
0	3	33	0.00	0.00	0.51	325 326 307 306
0	4	33	0.00	0.00	0.51	312 313 294 293
0	4	33	0.00	0.00	0.51	303 304 285 284
0	2	33	0.00	0.00	0.51	348 349 330 329
0	1	33	0.00	0.00	0.51	372 277 276 353
0	4	33	0.00	0.00	0.51	310 311 292 291
0	5	33	0.00	0.00	0.51	291 292 263 262
0	3	33	0.00	0.00	0.51	329 330 311 310
0	2	33	0.00	0.00	0.51	352 353 334 333
0	2	33	0.00	0.00	0.51	339 340 321 320
0	4	33	0.00	0.00	0.51	307 308 289 288
0	4	33	0.00	0.00	0.51	298 299 280 279
0	1	33	0.00	0.00	0.51	366 367 348 347
0	3	33	0.00	0.00	0.51	319 320 301 300
0	4	33	0.00	0.00	0.51	305 306 287 286
0	5	33	0.00	0.00	0.51	286 287 258 257
0	3	33	0.00	0.00	0.51	330 331 312 311
0	2	33	0.00	0.00	0.51	347 348 329 328
0	1	33	0.00	0.00	0.51	358 359 340 339
0	4	33	0.00	0.00	0.51	309 310 291 290
0	5	33	0.00	0.00	0.51	294 295 266 265
0	3	33	0.00	0.00	0.51	317 318 299 298
0	3	33	0.00	0.00	0.51	331 332 313 312
0	2	33	0.00	0.00	0.51	350 351 332 331
0	4	33	0.00	0.00	0.51	304 305 286 285
0	1	33	0.00	0.00	0.51	364 365 346 345
0	3	33	0.00	0.00	0.51	327 328 309 308
0	2	33	0.00	0.00	0.51	353 276 275 334
0	3	33	0.00	0.00	0.51	318 319 300 299
0	2	33	0.00	0.00	0.51	343 344 325 324
0	5	33	0.00	0.00	0.51	273 278 249 2
0	5	33	0.00	0.00	0.51	285 286 257 256
0	1	33	0.00	0.00	0.51	367 368 349 348
0	5	33	0.00	0.00	0.51	295 296 267 266
0	4	33	0.00	0.00	0.51	299 300 281 280
0	2	33	0.00	0.00	0.51	335 336 317 316
102	7	22	0.00	0.00		110 111 -49 -68
103	7	22	0.00	0.00		110 111 -38 -57
104	7	22	0.00	0.00		110 111 -47 -66
105	7	22	0.00	0.00		111 -1 -19 110
106	7	22	0.00	0.00		110 111 -50 -69
107	7	22	0.00	0.00		110 111 -41 -60
108	7	22	0.00	0.00		110 111 -42 -61
109	7	22	0.00	0.00		110 111 -53 -72
110	7	22	0.00	0.00		110 111 -44 -63
111	7	22	0.00	0.00		110 111 -45 -64
4501	6	33	0.00	0.00	0.51	251 252 -40 -39
4501	6	33	0.00	0.00	0.51	-51 -52 1
4501	6	33	0.00	0.00	0.51	-54 -55 1
4501	6	33	0.00	0.00	0.51	267 2 -1 -55
4501	6	33	0.00	0.00	0.51	-49 -50 1
4501	6	33	0.00	0.00	0.51	-55 -1 1
4501	6	33	0.00	0.00	0.51	260 261 -49 -48
4501	6	33	0.00	0.00	0.51	249 250 -38 -37
4501	6	33	0.00	0.00	0.51	-44 -45 1
4501	6	33	0.00	0.00	0.51	259 260 -48 -47
4501	6	33	0.00	0.00	0.51	262 263 -51 -50
4501	6	33	0.00	0.00	0.51	266 267 -55 -54
4501	6	33	0.00	0.00	0.51	264 265 -53 -52
4501	6	33	0.00	0.00	0.51	-39 -40 1
4501	6	33	0.00	0.00	0.51	252 253 -41 -40
4501	6	33	0.00	0.00	0.51	257 258 -46 -45
4501	6	33	0.00	0.00	0.51	-42 -43 1
4501	6	33	0.00	0.00	0.51	-40 -41 1
4501	6	33	0.00	0.00	0.51	255 256 -44 -43
4501	6	33	0.00	0.00	0.51	-53 -54 1

0	3	33	0.00	0.00	0.51	321 322 303 302
0	4	33	0.00	0.00	0.51	311 312 293 292
0	4	33	0.00	0.00	0.51	301 302 283 282
0	5	33	0.00	0.00	0.51	292 293 264 263
0	3	33	0.00	0.00	0.51	320 321 302 301
0	3	33	0.00	0.00	0.51	333 334 315 314
0	2	33	0.00	0.00	0.51	336 337 318 317
0	2	33	0.00	0.00	0.51	346 347 328 327
0	1	33	0.00	0.00	0.51	354 355 336 335
0	4	33	0.00	0.00	0.51	315 274 273 296
0	4	33	0.00	0.00	0.51	300 301 282 281
0	5	33	0.00	0.00	0.51	278 279 250 249
0	2	33	0.00	0.00	0.51	276 335 316 275
0	2	33	0.00	0.00	0.51	337 338 319 318
0	2	33	0.00	0.00	0.51	345 346 327 326
0	2	33	0.00	0.00	0.51	341 342 323 322
0	1	33	0.00	0.00	0.51	359 360 341 340
0	1	33	0.00	0.00	0.51	368 369 350 349
0	1	33	0.00	0.00	0.51	371 372 353 352
0	5	33	0.00	0.00	0.51	296 273 2 267
0	3	33	0.00	0.00	0.51	324 325 306 305
0	2	33	0.00	0.00	0.51	351 352 333 332
0	1	33	0.00	0.00	0.51	277 354 335 276
0	4	33	0.00	0.00	0.51	302 303 284 283
0	2	33	0.00	0.00	0.51	344 345 326 325
0	5	33	0.00	0.00	0.51	289 290 261 260
0	4	33	0.00	0.00	0.51	313 314 295 294
0	2	33	0.00	0.00	0.51	342 343 324 323
0	1	33	0.00	0.00	0.51	361 362 343 342
0	5	33	0.00	0.00	0.51	283 284 255 254
0	3	33	0.00	0.00	0.51	275 316 297 274
0	3	33	0.00	0.00	0.51	323 324 305 304
0	1	33	0.00	0.00	0.51	362 363 344 343
0	1	33	0.00	0.00	0.51	357 358 339 338
0	5	33	0.00	0.00	0.51	290 291 262 261
0	3	33	0.00	0.00	0.51	322 323 304 303
0	1	33	0.00	0.00	0.51	370 371 352 351
0	4	33	0.00	0.00	0.51	314 315 296 295
0	1	33	0.00	0.00	0.51	356 357 338 337
0	3	33	0.00	0.00	0.51	328 329 310 309
0	1	33	0.00	0.00	0.51	369 370 351 350
102	7	22	0.00	0.00		110 111 -39 -58
103	7	22	0.00	0.00		110 111 -48 -67
104	7	22	0.00	0.00		110 111 -37 -56
105	7	22	0.00	0.00		110 111 -46 -65
106	7	22	0.00	0.00		110 111 -40 -59
107	7	22	0.00	0.00		110 111 -51 -70
108	7	22	0.00	0.00		110 111 -52 -71
109	7	22	0.00	0.00		110 111 -43 -62
110	7	22	0.00	0.00		110 111 -54 -73
111	7	22	0.00	0.00		110 111 -55 -74
4501	6	33	0.00	0.00	0.51	-47 -48 1
4501	6	33	0.00	0.00	0.51	-50 -51 1
4501	6	33	0.00	0.00	0.51	-1 -37 1
4501	6	33	0.00	0.00	0.51	253 254 -42 -41
4501	6	33	0.00	0.00	0.51	-37 -38 1
4501	6	33	0.00	0.00	0.51	-48 -49 1
4501	6	33	0.00	0.00	0.51	250 251 -39 -38
4501	6	33	0.00	0.00	0.51	-52 -53 1
4501	6	33	0.00	0.00	0.51	-43 -44 1
4501	6	33	0.00	0.00	0.51	-45 -46 1
4501	6	33	0.00	0.00	0.51	261 262 -50 -49
4501	6	33	0.00	0.00	0.51	265 266 -54 -53
4501	6	33	0.00	0.00	0.51	263 264 -52 -51
4501	6	33	0.00	0.00	0.51	-38 -39 1
4501	6	33	0.00	0.00	0.51	258 259 -47 -46
4501	6	33	0.00	0.00	0.51	2 249 -37 -1
4501	6	33	0.00	0.00	0.51	-41 -42 1
4501	6	33	0.00	0.00	0.51	256 257 -45 -44
4501	6	33	0.00	0.00	0.51	254 255 -43 -42
4501	6	33	0.00	0.00	0.51	-46 -47 1

Elenco tipi plinti/pali

Simbologia

Tl = Numero del tipo plinto/palo
Tipo = Tipologia
Gra = Gradoni
Pir = Piramidale

P = Palo
T3 = Triangolare 3 pali
T3B = Triangolare 3 pali + bicchiere
R = Rettangolare
RB = Rettangolare + bicchiere
R1 = Rettangolare 1 palo
R1B = Rettangolare 1 palo + bicchiere
R2x = Rettangolare 2 pali dir. X
R2xB = Rettangolare 2 pali dir. X + bicchiere
R2y = Rettangolare 2 pali dir. Y
R2B = Rettangolare 2 pali dir. Y + bicchiere
R4 = Rettangolare 4 pali
R4B = Rettangolare 4 pali + bicchiere
P5 = Pentagonale 5 pali
P5B = Pentagonale 5 pali + bicchiere
E6 = Esagonale 6 pali
E6B = Esagonale 6 pali + bicchiere
Tp = Tipo palo
ND = Non definito
BP = Battuto prefabbricato
BGO = Battuto gettato in opera
T = Trivellato
TEC = Trivellato con elica continua
MP = Micropalo
Comm. = Commento
Lp = Lunghezza pali
R = Rotazione testa
B = Bloccata
L = Libera
Dp = Diametro pali
Crit. = Numero del criterio di progetto

Tl	Tipo	Tp	Comm.	Lp <m>	R	Dp <m>	Crit.
1	P	T	palo_120x2800	28.00	L	1.20	1

Elenco plinti/pali

Simbologia
PL = Plinto/Palo
Tl = Numero del tipo plinto/palo
Nodo = Nodo plinto/palo
Kt = Coeff. di sottofondo su suolo elastico alla Winkler

PL	Tl	Nodo	Kt <daN/cmc>
335	1	335	---
343	1	343	---
351	1	351	---

PL	Tl	Nodo	Kt <daN/cmc>
337	1	337	---
345	1	345	---
353	1	353	---

PL	Tl	Nodo	Kt <daN/cmc>
339	1	339	---
347	1	347	---

PL	Tl	Nodo	Kt <daN/cmc>
341	1	341	---
349	1	349	---

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	peso proprio struttura	1.00	1.00	0.00	0.00	0.00	1.00	1 D.M. 08 Permanenti strutturali	S	--
2	peso navicella	1.00	1.00	0.00	0.00	0.00	1.00	2 D.M. 08 Permanenti non strutturali	S	--
3	vento navicella	1.00	1.00	0.00	0.00	0.00	1.00	10 D.M. 08 Variabili Vento	S	B
4	vento torre	1.00	1.00	0.00	0.00	0.00	1.00	10 D.M. 08 Variabili Vento	S	B
5	neve navicella	1.00	1.00	0.00	0.00	0.00	1.00	11 D.M. 08 Variabili Neve (a quota <= 1000 m s.l.m.)	S	B
6	zavorra	1.00	1.00	0.00	0.00	0.00	1.00	1 D.M. 08 Permanenti strutturali	S	--

Elenco carichi nodi

Condizione di carico n. 2: peso navicella
Carichi concentrati

Simbologia
Nodo = Numero del nodo
Px = Componente X della forza applicata
Py = Componente Y della forza applicata
Pz = Componente Z della forza applicata
Mx = Momento intorno all'asse X
My = Momento intorno all'asse Y
Mz = Momento intorno all'asse Z

Nodo	Px <daN>	Py <daN>	Pz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
153	0.00	0.00	113500.00	0.00	0.00	0.00

Elenco carichi nodi
Condizione di carico n. 3: vento navicella
Carichi concentrati

Nodo	Px <daN>	Py <daN>	Pz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
153	-22100.00	50600.00	0.00	-357300.00	-208600.00	-140800.00

Elenco carichi nodi
Condizione di carico n. 4: vento torre
Carichi concentrati

Nodo	Px <daN>	Py <daN>	Pz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
-123	0.00	923.00	0.00	0.00	0.00	0.00
-121	0.00	881.00	0.00	0.00	0.00	0.00
-119	0.00	862.00	0.00	0.00	0.00	0.00
-117	0.00	125.00	0.00	0.00	0.00	0.00
-115	0.00	712.00	0.00	0.00	0.00	0.00
-113	0.00	835.00	0.00	0.00	0.00	0.00
-111	0.00	984.00	0.00	0.00	0.00	0.00
-109	0.00	1078.00	0.00	0.00	0.00	0.00
-107	0.00	1139.00	0.00	0.00	0.00	0.00
-105	0.00	1273.00	0.00	0.00	0.00	0.00
-103	0.00	1293.00	0.00	0.00	0.00	0.00
-101	0.00	1316.00	0.00	0.00	0.00	0.00
-99	0.00	1335.00	0.00	0.00	0.00	0.00
-97	0.00	1124.00	0.00	0.00	0.00	0.00
-95	0.00	1350.00	0.00	0.00	0.00	0.00
-93	0.00	1351.00	0.00	0.00	0.00	0.00
-91	0.00	1351.00	0.00	0.00	0.00	0.00
-89	0.00	1351.00	0.00	0.00	0.00	0.00
-87	0.00	964.00	0.00	0.00	0.00	0.00
-85	0.00	1333.00	0.00	0.00	0.00	0.00
-83	0.00	1319.00	0.00	0.00	0.00	0.00
-81	0.00	1303.00	0.00	0.00	0.00	0.00
-79	0.00	1286.00	0.00	0.00	0.00	0.00
-77	0.00	969.00	0.00	0.00	0.00	0.00
-75	0.00	958.00	0.00	0.00	0.00	0.00
123	0.00	127.00	0.00	0.00	0.00	0.00
142	0.00	93.00	0.00	0.00	0.00	0.00

Nodo	Px <daN>	Py <daN>	Pz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
-122	0.00	903.00	0.00	0.00	0.00	0.00
-120	0.00	885.00	0.00	0.00	0.00	0.00
-118	0.00	829.00	0.00	0.00	0.00	0.00
-116	0.00	590.00	0.00	0.00	0.00	0.00
-114	0.00	398.00	0.00	0.00	0.00	0.00
-112	0.00	913.00	0.00	0.00	0.00	0.00
-110	0.00	1043.00	0.00	0.00	0.00	0.00
-108	0.00	1121.00	0.00	0.00	0.00	0.00
-106	0.00	1254.00	0.00	0.00	0.00	0.00
-104	0.00	1281.00	0.00	0.00	0.00	0.00
-102	0.00	1305.00	0.00	0.00	0.00	0.00
-100	0.00	1325.00	0.00	0.00	0.00	0.00
-98	0.00	1343.00	0.00	0.00	0.00	0.00
-96	0.00	1129.00	0.00	0.00	0.00	0.00
-94	0.00	1351.00	0.00	0.00	0.00	0.00
-92	0.00	1352.00	0.00	0.00	0.00	0.00
-90	0.00	1351.00	0.00	0.00	0.00	0.00
-88	0.00	964.00	0.00	0.00	0.00	0.00
-86	0.00	961.00	0.00	0.00	0.00	0.00
-84	0.00	1326.00	0.00	0.00	0.00	0.00
-82	0.00	1311.00	0.00	0.00	0.00	0.00
-80	0.00	1295.00	0.00	0.00	0.00	0.00
-78	0.00	1278.00	0.00	0.00	0.00	0.00
-76	0.00	964.00	0.00	0.00	0.00	0.00
116	0.00	113.00	0.00	0.00	0.00	0.00
132	0.00	108.00	0.00	0.00	0.00	0.00
153	0.00	146.00	0.00	0.00	0.00	0.00

Elenco carichi nodi
Condizione di carico n. 5: neve navicella
Carichi concentrati

Nodo	Px <daN>	Py <daN>	Pz <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
153	0.00	0.00	2600.00	0.00	0.00	0.00

Elenco carichi aste
Condizione di carico n. 1: peso proprio struttura
Carichi distribuiti

Simbologia
Asta = Numero dell'asta
N1 = Nodo iniziale
N2 = Nodo finale
E = Elemento provenienza del carico
S = Solaio
T = Tamponatura
NE = Numero elemento di provenienza del carico
T = Tipo di carico

QA = Primo carico accidentale
QA2 = Secondo carico accidentale
QA3 = Terzo carico accidentale
QPS = Carico permanente strutturale
QPN = Carico permanente non strutturale
PP = Peso proprio
M = Manuale
DC = Direzione del carico
XG,YG,ZG = secondo gli assi globali
XL,YL,ZL = secondo gli assi locali
Xi = Distanza iniziale
Qi = Carico iniziale
Xf = Distanza finale
Qf = Carico finale

Asta	N1	N2	E	NE	T	DC	Xi <m>	Qi <daN/m>	Xf <m>	Qf <daN/m>
0	116	-118	S	--	PP	ZG	0.00	3790.34	1.25	3790.34
0	268	-119	S	--	PP	ZG	0.00	3790.34	1.25	3790.34
0	269	-120	S	--	PP	ZG	0.00	3790.34	1.24	3790.34
0	270	-121	S	--	PP	ZG	0.00	3790.34	1.20	3790.34
0	271	-122	S	--	PP	ZG	0.00	3790.34	1.20	3790.34
0	272	-123	S	--	PP	ZG	0.00	3790.34	1.20	3790.34
0	-117	-111	S	--	PP	ZG	0.00	3577.40	1.25	3577.40
10	-116	112	S	--	PP	ZG	0.00	5350.92	1.28	5350.92
10	-115	113	S	--	PP	ZG	0.00	5350.92	1.47	5350.92
10	-114	114	S	--	PP	ZG	0.00	5350.92	0.75	5350.92
10	-113	115	S	--	PP	ZG	0.00	5350.92	1.45	5350.92
10	-112	116	S	--	PP	ZG	0.00	3790.34	1.47	3790.34
10	117	-110	S	--	PP	ZG	0.00	3441.78	1.30	3441.78
10	118	-109	S	--	PP	ZG	0.00	3296.36	1.32	3296.36
10	119	-108	S	--	PP	ZG	0.00	3131.41	1.35	3131.41
10	120	-107	S	--	PP	ZG	0.00	2956.62	1.35	2956.62
10	121	-106	S	--	PP	ZG	0.00	2810.83	1.47	2810.83
10	122	-105	S	--	PP	ZG	0.00	2713.57	1.47	2713.57
10	123	-104	S	--	PP	ZG	0.00	2758.04	1.46	2758.04
10	124	-103	S	--	PP	ZG	0.00	2536.59	1.46	2536.59
10	125	-102	S	--	PP	ZG	0.00	2462.49	1.46	2462.49
10	126	-101	S	--	PP	ZG	0.00	2406.79	1.46	2406.79
10	127	-100	S	--	PP	ZG	0.00	2418.67	1.46	2418.67
10	128	-99	S	--	PP	ZG	0.00	2257.88	1.46	2257.88
10	129	-98	S	--	PP	ZG	0.00	2185.12	1.46	2185.12
10	130	-97	S	--	PP	ZG	0.00	2102.08	1.21	2102.08
10	131	-96	S	--	PP	ZG	0.00	2050.12	1.21	2050.12
10	132	-95	S	--	PP	ZG	0.00	1982.69	1.44	1982.69
10	133	-94	S	--	PP	ZG	0.00	1931.68	1.44	1931.68
10	134	-93	S	--	PP	ZG	0.00	1842.79	1.44	1842.79
10	135	-92	S	--	PP	ZG	0.00	1773.54	1.44	1773.54
10	136	-91	S	--	PP	ZG	0.00	1715.23	1.44	1715.23
10	137	-90	S	--	PP	ZG	0.00	1629.18	1.44	1629.18
10	138	-89	S	--	PP	ZG	0.00	1589.68	1.44	1589.68
10	139	-88	S	--	PP	ZG	0.00	1507.92	1.03	1507.92
10	140	-87	S	--	PP	ZG	0.00	1445.76	1.03	1445.76
10	141	-86	S	--	PP	ZG	0.00	1437.87	1.03	1437.87
10	142	-85	S	--	PP	ZG	0.00	1372.78	1.43	1372.78
10	143	-84	S	--	PP	ZG	0.00	1304.91	1.43	1304.91
10	144	-83	S	--	PP	ZG	0.00	1220.85	1.43	1220.85
10	145	-82	S	--	PP	ZG	0.00	1138.32	1.44	1138.32
10	146	-81	S	--	PP	ZG	0.00	1108.31	1.44	1108.31
10	147	-80	S	--	PP	ZG	0.00	1296.82	1.44	1296.82
10	148	-79	S	--	PP	ZG	0.00	1207.05	1.44	1207.05
10	149	-78	S	--	PP	ZG	0.00	1159.98	1.44	1159.98
10	150	-77	S	--	PP	ZG	0.00	1139.37	1.10	1139.37
10	151	-76	S	--	PP	ZG	0.00	1289.50	1.10	1289.50
10	152	-75	S	--	PP	ZG	0.00	1595.10	1.10	1595.10

Asta	N1	N2	E	NE	T	DC	Xi <m>	Qi <daN/m>	Xf <m>	Qf <daN/m>
0	-118	268	S	--	PP	ZG	0.00	3790.34	1.25	3790.34
0	-119	269	S	--	PP	ZG	0.00	3790.34	1.25	3790.34
0	-120	270	S	--	PP	ZG	0.00	3790.34	1.24	3790.34
0	-121	271	S	--	PP	ZG	0.00	3790.34	1.20	3790.34
0	-122	272	S	--	PP	ZG	0.00	3790.34	1.20	3790.34
0	-123	-117	S	--	PP	ZG	0.00	3790.34	1.20	3790.34
10	110	-116	S	--	PP	ZG	0.00	5638.50	1.28	5638.50
10	112	-115	S	--	PP	ZG	0.00	5350.92	1.47	5350.92
10	113	-114	S	--	PP	ZG	0.00	5350.92	0.75	5350.92
10	114	-113	S	--	PP	ZG	0.00	5350.92	1.45	5350.92
10	115	-112	S	--	PP	ZG	0.00	3790.34	1.47	3790.34
10	-111	117	S	--	PP	ZG	0.00	3577.40	1.25	3577.40
10	-110	118	S	--	PP	ZG	0.00	3441.78	1.30	3441.78
10	-109	119	S	--	PP	ZG	0.00	3296.36	1.32	3296.36
10	-108	120	S	--	PP	ZG	0.00	3131.41	1.35	3131.41
10	-107	121	S	--	PP	ZG	0.00	2956.62	1.35	2956.62
10	-106	122	S	--	PP	ZG	0.00	2810.83	1.47	2810.83
10	-105	123	S	--	PP	ZG	0.00	2713.57	1.47	2713.57
10	-104	124	S	--	PP	ZG	0.00	2758.04	1.46	2758.04
10	-103	125	S	--	PP	ZG	0.00	2536.59	1.46	2536.59
10	-102	126	S	--	PP	ZG	0.00	2462.49	1.46	2462.49
10	-101	127	S	--	PP	ZG	0.00	2406.79	1.46	2406.79
10	-100	128	S	--	PP	ZG	0.00	2418.67	1.46	2418.67
10	-99	129	S	--	PP	ZG	0.00	2257.88	1.46	2257.88
10	-98	130	S	--	PP	ZG	0.00	2185.12	1.46	2185.12
10	-97	131	S	--	PP	ZG	0.00	2102.08	1.21	2102.08
10	-96	132	S	--	PP	ZG	0.00	2050.12	1.21	2050.12
10	-95	133	S	--	PP	ZG	0.00	1982.69	1.44	1982.69
10	-94	134	S	--	PP	ZG	0.00	1931.68	1.44	1931.68
10	-93	135	S	--	PP	ZG	0.00	1842.79	1.44	1842.79
10	-92	136	S	--	PP	ZG	0.00	1773.54	1.44	1773.54
10	-91	137	S	--	PP	ZG	0.00	1715.23	1.44	1715.23
10	-90	138	S	--	PP	ZG	0.00	1629.18	1.44	1629.18
10	-89	139	S	--	PP	ZG	0.00	1589.68	1.44	1589.68
10	-88	140	S	--	PP	ZG	0.00	1507.92	1.03	1507.92
10	-87	141	S	--	PP	ZG	0.00	1445.76	1.03	1445.76
10	-86	142	S	--	PP	ZG	0.00	1437.87	1.03	1437.87
10	-85	143	S	--	PP	ZG	0.00	1372.78	1.43	1372.78
10	-84	144	S	--	PP	ZG	0.00	1304.91	1.43	1304.91
10	-83	145	S	--	PP	ZG	0.00	1220.85	1.43	1220.85
10	-82	146	S	--	PP	ZG	0.00	1138.32	1.44	1138.32
10	-81	147	S	--	PP	ZG	0.00	1108.31	0.94	1108.31
10	-80	148	S	--	PP	ZG	0.00	1296.82	1.44	1296.82
10	-79	149	S	--	PP	ZG	0.00	1207.05	1.44	1207.05
10	-78	150	S	--	PP	ZG	0.00	1159.98	1.44	1159.98
10	-77	151	S	--	PP	ZG	0.00	1139.37	1.10	1139.37
10	-76	152	S	--	PP	ZG	0.00	1289.50	1.10	1289.50
10	-75	153	S	--	PP	ZG	0.00	1595.10	1.10	1595.10

Elenco carichi elementi bidimensionali
Condizione di carico n. 1: peso proprio struttura
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>
0	363	364	345	344	PP	G	0.00	0.00	4912.50
0	365	366	347	346	PP	G	0.00	0.00	4912.50
0	293	294	265	264	PP	G	0.00	0.00	7212.50
0	288	289	260	259	PP	G	0.00	0.00	7212.50
0	349	350	331	330	PP	G	0.00	0.00	5487.50
0	355	356	337	336	PP	G	0.00	0.00	4912.50
0	360	361	342	341	PP	G	0.00	0.00	4912.50
0	284	285	256	255	PP	G	0.00	0.00	7212.50
0	279	280	251	250	PP	G	0.00	0.00	7212.50
0	287	288	259	258	PP	G	0.00	0.00	7212.50
0	282	283	254	253	PP	G	0.00	0.00	7212.50
0	281	282	253	252	PP	G	0.00	0.00	7212.50
0	316	317	298	297	PP	G	0.00	0.00	6062.50
0	332	333	314	313	PP	G	0.00	0.00	6062.50
0	308	309	290	289	PP	G	0.00	0.00	6637.50
0	334	275	274	315	PP	G	0.00	0.00	6062.50
0	338	339	320	319	PP	G	0.00	0.00	5487.50
0	340	341	322	321	PP	G	0.00	0.00	5487.50
0	280	281	252	251	PP	G	0.00	0.00	7212.50
0	321	322	303	302	PP	G	0.00	0.00	6062.50
0	326	327	308	307	PP	G	0.00	0.00	6062.50
0	311	312	293	292	PP	G	0.00	0.00	6637.50
0	306	307	288	287	PP	G	0.00	0.00	6637.50
0	301	302	283	282	PP	G	0.00	0.00	6637.50
0	274	297	278	273	PP	G	0.00	0.00	6637.50
0	292	293	264	263	PP	G	0.00	0.00	7212.50
0	297	298	279	278	PP	G	0.00	0.00	6637.50
0	320	321	302	301	PP	G	0.00	0.00	6062.50
0	325	326	307	306	PP	G	0.00	0.00	6062.50
0	333	334	315	314	PP	G	0.00	0.00	6062.50
0	312	313	294	293	PP	G	0.00	0.00	6637.50
0	336	337	318	317	PP	G	0.00	0.00	5487.50
0	303	304	285	284	PP	G	0.00	0.00	6637.50
0	346	347	328	327	PP	G	0.00	0.00	5487.50
0	348	349	330	329	PP	G	0.00	0.00	5487.50
0	354	355	336	335	PP	G	0.00	0.00	4912.50
0	372	277	276	353	PP	G	0.00	0.00	4912.50
0	315	274	273	296	PP	G	0.00	0.00	6637.50
0	310	311	292	291	PP	G	0.00	0.00	6637.50
0	300	301	282	281	PP	G	0.00	0.00	6637.50
0	291	292	263	262	PP	G	0.00	0.00	7212.50
0	278	279	250	249	PP	G	0.00	0.00	7212.50
0	329	330	311	310	PP	G	0.00	0.00	6062.50
0	276	335	316	275	PP	G	0.00	0.00	5487.50
0	352	353	334	333	PP	G	0.00	0.00	5487.50
0	337	338	319	318	PP	G	0.00	0.00	5487.50
0	339	340	321	320	PP	G	0.00	0.00	5487.50
0	345	346	327	326	PP	G	0.00	0.00	5487.50
0	307	308	289	288	PP	G	0.00	0.00	6637.50
0	341	342	323	322	PP	G	0.00	0.00	5487.50
0	298	299	280	279	PP	G	0.00	0.00	6637.50
0	359	360	341	340	PP	G	0.00	0.00	4912.50
0	366	367	348	347	PP	G	0.00	0.00	4912.50
0	368	369	350	349	PP	G	0.00	0.00	4912.50
0	319	320	301	300	PP	G	0.00	0.00	6062.50
0	371	372	353	352	PP	G	0.00	0.00	4912.50
0	305	306	287	286	PP	G	0.00	0.00	6637.50
0	296	273	2	267	PP	G	0.00	0.00	7212.50
0	286	287	258	257	PP	G	0.00	0.00	7212.50
0	324	325	306	305	PP	G	0.00	0.00	6062.50
0	330	331	312	311	PP	G	0.00	0.00	6062.50
0	351	352	333	332	PP	G	0.00	0.00	5487.50
0	347	348	329	328	PP	G	0.00	0.00	5487.50
0	277	354	335	276	PP	G	0.00	0.00	4912.50
0	358	359	340	339	PP	G	0.00	0.00	4912.50
0	302	303	284	283	PP	G	0.00	0.00	6637.50
0	309	310	291	290	PP	G	0.00	0.00	6637.50
0	344	345	326	325	PP	G	0.00	0.00	5487.50
0	294	295	266	265	PP	G	0.00	0.00	7212.50
0	289	290	261	260	PP	G	0.00	0.00	7212.50
0	317	318	299	298	PP	G	0.00	0.00	6062.50

0	313	314	295	294	PP	G	0.00	0.00	6637.50
0	331	332	313	312	PP	G	0.00	0.00	6062.50
0	342	343	324	323	PP	G	0.00	0.00	5487.50
0	350	351	332	331	PP	G	0.00	0.00	5487.50
0	361	362	343	342	PP	G	0.00	0.00	4912.50
0	304	305	286	285	PP	G	0.00	0.00	6637.50
0	283	284	255	254	PP	G	0.00	0.00	7212.50
0	364	365	346	345	PP	G	0.00	0.00	4912.50
0	275	316	297	274	PP	G	0.00	0.00	6062.50
0	327	328	309	308	PP	G	0.00	0.00	6062.50
0	323	324	305	304	PP	G	0.00	0.00	6062.50
0	353	276	275	334	PP	G	0.00	0.00	5487.50
0	362	363	344	343	PP	G	0.00	0.00	4912.50
0	318	319	300	299	PP	G	0.00	0.00	6062.50
0	357	358	339	338	PP	G	0.00	0.00	4912.50
0	343	344	325	324	PP	G	0.00	0.00	5487.50
0	290	291	262	261	PP	G	0.00	0.00	7212.50
0	273	278	249	2	PP	G	0.00	0.00	7212.50
0	322	323	304	303	PP	G	0.00	0.00	6062.50
0	285	286	257	256	PP	G	0.00	0.00	7212.50
0	370	371	352	351	PP	G	0.00	0.00	4912.50
0	367	368	349	348	PP	G	0.00	0.00	4912.50
0	314	315	296	295	PP	G	0.00	0.00	6637.50
0	295	296	267	266	PP	G	0.00	0.00	7212.50
0	356	357	338	337	PP	G	0.00	0.00	4912.50
0	299	300	281	280	PP	G	0.00	0.00	6637.50
0	328	329	310	309	PP	G	0.00	0.00	6062.50
0	335	336	317	316	PP	G	0.00	0.00	5487.50
0	369	370	351	350	PP	G	0.00	0.00	4912.50
102	110	111	-49	-68	PP	G	0.00	0.00	1570.00
102	110	111	-39	-58	PP	G	0.00	0.00	1570.00
103	110	111	-38	-57	PP	G	0.00	0.00	1570.00
103	110	111	-48	-67	PP	G	0.00	0.00	1570.00
104	110	111	-47	-66	PP	G	0.00	0.00	1570.00
104	110	111	-37	-56	PP	G	0.00	0.00	1570.00
105	111	-1	-19	110	PP	G	0.00	0.00	1570.00
105	110	111	-46	-65	PP	G	0.00	0.00	1570.00
106	110	111	-50	-69	PP	G	0.00	0.00	1570.00
106	110	111	-40	-59	PP	G	0.00	0.00	1570.00
107	110	111	-41	-60	PP	G	0.00	0.00	1570.00
107	110	111	-51	-70	PP	G	0.00	0.00	1570.00
108	110	111	-42	-61	PP	G	0.00	0.00	1570.00
108	110	111	-52	-71	PP	G	0.00	0.00	1570.00
109	110	111	-53	-72	PP	G	0.00	0.00	1570.00
109	110	111	-43	-62	PP	G	0.00	0.00	1570.00
110	110	111	-44	-63	PP	G	0.00	0.00	1570.00
110	110	111	-54	-73	PP	G	0.00	0.00	1570.00
111	110	111	-45	-64	PP	G	0.00	0.00	1570.00
111	110	111	-55	-74	PP	G	0.00	0.00	1570.00
4501	251	252	-40	-39	PP	G	0.00	0.00	8750.00
4501	-47	-48	1	1	PP	G	0.00	0.00	8750.00
4501	-51	-52	1	1	PP	G	0.00	0.00	8750.00
4501	-50	-51	1	1	PP	G	0.00	0.00	8750.00
4501	-54	-55	1	1	PP	G	0.00	0.00	8750.00
4501	-1	-37	1	1	PP	G	0.00	0.00	8750.00
4501	267	2	-1	-55	PP	G	0.00	0.00	8750.00
4501	253	254	-42	-41	PP	G	0.00	0.00	8750.00
4501	-49	-50	1	1	PP	G	0.00	0.00	8750.00
4501	-37	-38	1	1	PP	G	0.00	0.00	8750.00
4501	-55	-1	1	1	PP	G	0.00	0.00	8750.00
4501	-48	-49	1	1	PP	G	0.00	0.00	8750.00
4501	260	261	-49	-48	PP	G	0.00	0.00	8750.00
4501	250	251	-39	-38	PP	G	0.00	0.00	8750.00
4501	249	250	-38	-37	PP	G	0.00	0.00	8750.00
4501	-52	-53	1	1	PP	G	0.00	0.00	8750.00
4501	-44	-45	1	1	PP	G	0.00	0.00	8750.00
4501	-43	-44	1	1	PP	G	0.00	0.00	8750.00
4501	259	260	-48	-47	PP	G	0.00	0.00	8750.00
4501	-45	-46	1	1	PP	G	0.00	0.00	8750.00
4501	262	263	-51	-50	PP	G	0.00	0.00	8750.00
4501	261	262	-50	-49	PP	G	0.00	0.00	8750.00
4501	266	267	-55	-54	PP	G	0.00	0.00	8750.00
4501	265	266	-54	-53	PP	G	0.00	0.00	8750.00
4501	264	265	-53	-52	PP	G	0.00	0.00	8750.00
4501	263	264	-52	-51	PP	G	0.00	0.00	8750.00
4501	-39	-40	1	1	PP	G	0.00	0.00	8750.00
4501	-38	-39	1	1	PP	G	0.00	0.00	8750.00
4501	252	253	-41	-40	PP	G	0.00	0.00	8750.00
4501	258	259	-47	-46	PP	G	0.00	0.00	8750.00

4501	257	258	-46	-45	PP	G	0.00	0.00	8750.00
4501	2	249	-37	-1	PP	G	0.00	0.00	8750.00
4501	-42	-43	1	1	PP	G	0.00	0.00	8750.00
4501	-41	-42	1	1	PP	G	0.00	0.00	8750.00
4501	-40	-41	1	1	PP	G	0.00	0.00	8750.00
4501	256	257	-45	-44	PP	G	0.00	0.00	8750.00
4501	255	256	-44	-43	PP	G	0.00	0.00	8750.00
4501	254	255	-43	-42	PP	G	0.00	0.00	8750.00
4501	-53	-54	1	1	PP	G	0.00	0.00	8750.00
4501	-46	-47	1	1	PP	G	0.00	0.00	8750.00

Elenco carichi elementi bidimensionali
Condizione di carico n. 6: zavorra
Carichi uniformi

Bid.	N1	N2	N3	N4	T	DC	Qx <daN/mq>	Qy <daN/mq>	Qz <daN/mq>
0	363	364	345	344	M	G	0.00	0.00	1035.00
0	365	366	347	346	M	G	0.00	0.00	1035.00
0	293	294	265	264	M	G	0.00	0.00	115.00
0	288	289	260	259	M	G	0.00	0.00	115.00
0	349	350	331	330	M	G	0.00	0.00	805.00
0	355	356	337	336	M	G	0.00	0.00	1035.00
0	360	361	342	341	M	G	0.00	0.00	1035.00
0	284	285	256	255	M	G	0.00	0.00	115.00
0	279	280	251	250	M	G	0.00	0.00	115.00
0	287	288	259	258	M	G	0.00	0.00	115.00
0	282	283	254	253	M	G	0.00	0.00	115.00
0	281	282	253	252	M	G	0.00	0.00	115.00
0	316	317	298	297	M	G	0.00	0.00	575.00
0	332	333	314	313	M	G	0.00	0.00	575.00
0	308	309	290	289	M	G	0.00	0.00	345.00
0	334	275	274	315	M	G	0.00	0.00	575.00
0	338	339	320	319	M	G	0.00	0.00	805.00
0	340	341	322	321	M	G	0.00	0.00	805.00
0	280	281	252	251	M	G	0.00	0.00	115.00
0	321	322	303	302	M	G	0.00	0.00	575.00
0	326	327	308	307	M	G	0.00	0.00	575.00
0	311	312	293	292	M	G	0.00	0.00	345.00
0	306	307	288	287	M	G	0.00	0.00	345.00
0	301	302	283	282	M	G	0.00	0.00	345.00
0	274	297	278	273	M	G	0.00	0.00	345.00
0	292	293	264	263	M	G	0.00	0.00	115.00
0	297	298	279	278	M	G	0.00	0.00	345.00
0	320	321	302	301	M	G	0.00	0.00	575.00
0	325	326	307	306	M	G	0.00	0.00	575.00
0	333	334	315	314	M	G	0.00	0.00	575.00
0	312	313	294	293	M	G	0.00	0.00	345.00
0	336	337	318	317	M	G	0.00	0.00	805.00
0	303	304	285	284	M	G	0.00	0.00	345.00
0	346	347	328	327	M	G	0.00	0.00	805.00
0	348	349	330	329	M	G	0.00	0.00	805.00
0	354	355	336	335	M	G	0.00	0.00	1035.00
0	372	277	276	353	M	G	0.00	0.00	1035.00
0	315	274	273	296	M	G	0.00	0.00	345.00
0	310	311	292	291	M	G	0.00	0.00	345.00
0	300	301	282	281	M	G	0.00	0.00	345.00
0	291	292	263	262	M	G	0.00	0.00	115.00
0	278	279	250	249	M	G	0.00	0.00	115.00
0	329	330	311	310	M	G	0.00	0.00	575.00
0	276	335	316	275	M	G	0.00	0.00	805.00
0	352	353	334	333	M	G	0.00	0.00	805.00
0	337	338	319	318	M	G	0.00	0.00	805.00
0	339	340	321	320	M	G	0.00	0.00	805.00
0	345	346	327	326	M	G	0.00	0.00	805.00
0	307	308	289	288	M	G	0.00	0.00	345.00
0	341	342	323	322	M	G	0.00	0.00	805.00
0	298	299	280	279	M	G	0.00	0.00	345.00
0	359	360	341	340	M	G	0.00	0.00	1035.00
0	366	367	348	347	M	G	0.00	0.00	1035.00
0	368	369	350	349	M	G	0.00	0.00	1035.00
0	319	320	301	300	M	G	0.00	0.00	575.00
0	371	372	353	352	M	G	0.00	0.00	1035.00
0	305	306	287	286	M	G	0.00	0.00	345.00
0	296	273	2	267	M	G	0.00	0.00	115.00
0	286	287	258	257	M	G	0.00	0.00	115.00
0	324	325	306	305	M	G	0.00	0.00	575.00
0	330	331	312	311	M	G	0.00	0.00	575.00
0	351	352	333	332	M	G	0.00	0.00	805.00

0	347	348	329	328	M	G	0.00	0.00	805.00
0	277	354	335	276	M	G	0.00	0.00	1035.00
0	358	359	340	339	M	G	0.00	0.00	1035.00
0	302	303	284	283	M	G	0.00	0.00	345.00
0	309	310	291	290	M	G	0.00	0.00	345.00
0	344	345	326	325	M	G	0.00	0.00	805.00
0	294	295	266	265	M	G	0.00	0.00	115.00
0	289	290	261	260	M	G	0.00	0.00	115.00
0	317	318	299	298	M	G	0.00	0.00	575.00
0	313	314	295	294	M	G	0.00	0.00	345.00
0	331	332	313	312	M	G	0.00	0.00	575.00
0	342	343	324	323	M	G	0.00	0.00	805.00
0	350	351	332	331	M	G	0.00	0.00	805.00
0	361	362	343	342	M	G	0.00	0.00	1035.00
0	304	305	286	285	M	G	0.00	0.00	345.00
0	283	284	255	254	M	G	0.00	0.00	115.00
0	364	365	346	345	M	G	0.00	0.00	1035.00
0	275	316	297	274	M	G	0.00	0.00	575.00
0	327	328	309	308	M	G	0.00	0.00	575.00
0	323	324	305	304	M	G	0.00	0.00	575.00
0	353	276	275	334	M	G	0.00	0.00	805.00
0	362	363	344	343	M	G	0.00	0.00	1035.00
0	318	319	300	299	M	G	0.00	0.00	575.00
0	357	358	339	338	M	G	0.00	0.00	1035.00
0	343	344	325	324	M	G	0.00	0.00	805.00
0	290	291	262	261	M	G	0.00	0.00	115.00
0	273	278	249	2	M	G	0.00	0.00	115.00
0	322	323	304	303	M	G	0.00	0.00	575.00
0	285	286	257	256	M	G	0.00	0.00	115.00
0	370	371	352	351	M	G	0.00	0.00	1035.00
0	367	368	349	348	M	G	0.00	0.00	1035.00
0	314	315	296	295	M	G	0.00	0.00	345.00
0	295	296	267	266	M	G	0.00	0.00	115.00
0	356	357	338	337	M	G	0.00	0.00	1035.00
0	299	300	281	280	M	G	0.00	0.00	345.00
0	328	329	310	309	M	G	0.00	0.00	575.00
0	335	336	317	316	M	G	0.00	0.00	805.00
0	369	370	351	350	M	G	0.00	0.00	1035.00

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 statica
Vincoli esterni: Considera sempre vincoli assegnati in modellazione
Schematizzazione piani rigidi: nessun impalcato rigido
Modalità di recupero masse secondarie: mantenere sul nodo masse e forze relative

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 4
- Sito di costruzione: SP144, 72026 San Pancrazio salentino BR, Italia LON. 17.79020 LAT. 40.39720
  Contenuto tra ID reticolo: 34809 34808 35030 35031

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	201	0.0386	2.48	0.40	1.20	1.32
SLV	1898	0.0708	2.86	0.53	1.20	1.25

- Edificio esistente: No
- Tipo di opera: Opera ordinaria
- Vita nominale V_N: 100.00
- Classe d'uso: Classe IV
- Applica semplificazioni per zona 4: no
- 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: 0.00 <m>
- Altezza della struttura: 116.21 <m>
- Numero piani edificio: 0
- Coefficiente θ: 0.00
- Edificio regolare in altezza: si
- Edificio regolare in pianta: si
- Forze orizzontali convenzionali per stati limite non sismici: 1.00%
- Genera stati limite per verifiche di resistenza al fuoco: no

Dati di calcolo

- Categoria del suolo di fondazione: B
- Tipologia edificio: acciaio a mensola o a pendolo inverso

Coeff. C_1: 0.085
Periodo T_1: 3.00847
Coeff. λ SLD: 1.00
Coeff. λ SLV: 1.00
Rapporto di sovraresistenza (α_u/α_1): 1.00
Valore di riferimento del fattore di struttura (q_0): 2.00
Fattore riduttivo (K_w): 1.00
Fattore riduttivo regolarità in altezza (KR): 1.00
Fattore di struttura (q): 2.00

- Categoria topografica: T1 - Superficie pianeggiante, pendii e rilievi isolati con inclinazione media i<=15°
- Coeff. amplificazione topografica S_T: 1.00
- Fattore di struttura per sisma verticale (qv): 1.50
- Smorzamento spettro: 5.00%

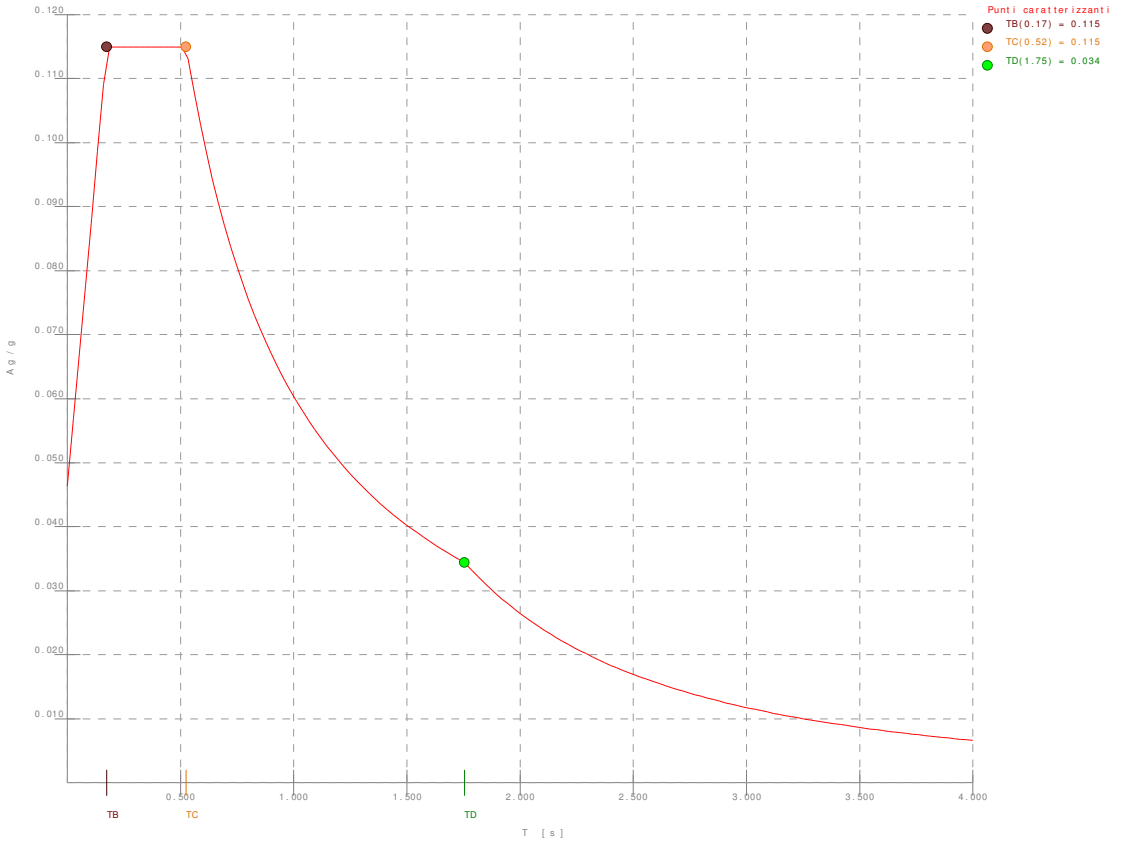

Figura numero 1: Spettro SLD

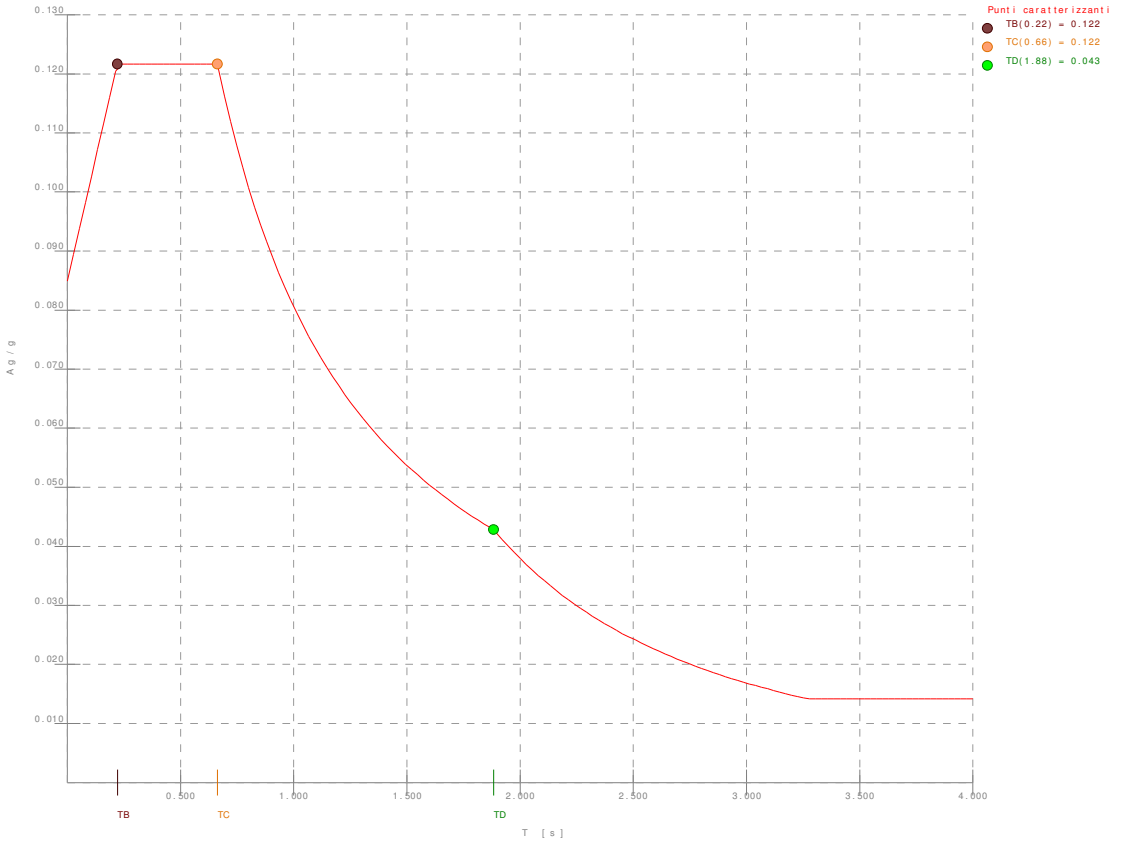

Figura numero 2: Spettro SLV

- Angolo di ingresso del sisma: 0.00 <grad>
- Tipo di combinazione sismica: 30% esteso

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	peso proprio struttura	1.00	1.00	0.00	0.00	0.00	1.00	1	S	--
2	peso navicella	1.00	1.00	0.00	0.00	0.00	1.00	2	S	--
3	vento navicella	1.00	1.00	0.00	0.00	0.00	1.00	10	S	B
4	vento torre	1.00	1.00	0.00	0.00	0.00	1.00	10	S	B
5	neve navicella	1.00	1.00	0.00	0.00	0.00	1.00	11	S	B
6	zavorra	1.00	1.00	0.00	0.00	0.00	1.00	1	S	--

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	1.50				
10	D.M. 08 Variabili Vento	Q	N	0.00	1.50	0.60	0.20	0.00	0.00
11	D.M. 08 Variabili Neve (a quota <= 1000 m s.l.m.)	Q	N	0.00	1.50	0.50	0.20	0.00	0.00

Ambienti di carico

Simbologia

N Numero
Comm. Commento
1 peso proprio struttura
2 peso navicella
3 vento navicella
4 vento torre
5 neve navicella
6 zavorra
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	4	5	6	S	SLU	SLR	SLF	SLQ
1	Calcolo sismico	si	si	si	si	si	si	si	si	no	no	no

2	Calcolo statico	si	si	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	4	5	6	S
1	Amb. 1 (Sisma)	SLU S	1	1	ψ_2	ψ_2	ψ_2	1	1
2	Amb. 2 (SLU)	SLU	γ max	γ max	γ max	γ max	γ max	γ max	-----
3	Amb. 2 (SLE R)	SLE R	1	1	1	1	1	1	-----
4	Amb. 2 (SLE F)	SLE F	1	1	ψ_1	ψ_1	ψ_1	1	-----
5	Amb. 2 (SLE Q)	SLE Q	1	1	ψ_2	ψ_2	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	4	5	6	S X	S Y
1	CC 1 - Amb. 1 (SLU S) S +X+0.3Y	SLV	L	N	1.00	1.00	0.00	0.00	0.00	1.00	1.00	0.30
2	CC 2 - Amb. 1 (SLE) S +X+0.3Y	SLD	L	N	1.00	1.00	0.00	0.00	0.00	1.00	1.00	0.30
3	CC 3 - Amb. 1 (SLU S) S +X-0.3Y	SLV	L	N	1.00	1.00	0.00	0.00	0.00	1.00	1.00	-0.30
4	CC 4 - Amb. 1 (SLE) S +X-0.3Y	SLD	L	N	1.00	1.00	0.00	0.00	0.00	1.00	1.00	-0.30
5	CC 5 - Amb. 1 (SLU S) S -X+0.3Y	SLV	L	N	1.00	1.00	0.00	0.00	0.00	1.00	-1.00	0.30
6	CC 6 - Amb. 1 (SLE) S -X+0.3Y	SLD	L	N	1.00	1.00	0.00	0.00	0.00	1.00	-1.00	0.30
7	CC 7 - Amb. 1 (SLU S) S -X-0.3Y	SLV	L	N	1.00	1.00	0.00	0.00	0.00	1.00	-1.00	-0.30
8	CC 8 - Amb. 1 (SLE) S -X-0.3Y	SLD	L	N	1.00	1.00	0.00	0.00	0.00	1.00	-1.00	-0.30
9	CC 9 - Amb. 1 (SLU S) S +0.3X+Y	SLV	L	N	1.00	1.00	0.00	0.00	0.00	1.00	0.30	1.00
10	CC 10 - Amb. 1 (SLE) S +0.3X+Y	SLD	L	N	1.00	1.00	0.00	0.00	0.00	1.00	0.30	1.00
11	CC 11 - Amb. 1 (SLU S) S -0.3X+Y	SLV	L	N	1.00	1.00	0.00	0.00	0.00	1.00	-0.30	1.00
12	CC 12 - Amb. 1 (SLE) S -0.3X+Y	SLD	L	N	1.00	1.00	0.00	0.00	0.00	1.00	-0.30	1.00
13	CC 13 - Amb. 1 (SLU S) S +0.3X-Y	SLV	L	N	1.00	1.00	0.00	0.00	0.00	1.00	0.30	-1.00
14	CC 14 - Amb. 1 (SLE) S +0.3X-Y	SLD	L	N	1.00	1.00	0.00	0.00	0.00	1.00	0.30	-1.00
15	CC 15 - Amb. 1 (SLU S) S -0.3X-Y	SLV	L	N	1.00	1.00	0.00	0.00	0.00	1.00	-0.30	-1.00
16	CC 16 - Amb. 1 (SLE) S -0.3X-Y	SLD	L	N	1.00	1.00	0.00	0.00	0.00	1.00	-0.30	-1.00
17	CC 17 - Amb. 2 (SLU)	SLU	L	N	1.30	1.50	1.50	1.50	1.50	1.30	0.00	0.00
18	CC 18 - Amb. 2 (SLE R)	SLE R	L	N	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00
19	CC 19 - Amb. 2 (SLE F)	SLE F	L	N	1.00	1.00	0.20	0.20	0.20	1.00	0.00	0.00
20	CC 20 - Amb. 2 (SLE Q)	SLE Q	L	N	1.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00

Elenco masse nodi

Simbologia
Nodo = Numero del nodo

Mo = Massa orizzontale

Nodo	Mo <kg>	Nodo	Mo <kg>	Nodo	Mo <kg>	Nodo	Mo <kg>	Nodo	Mo <kg>	Nodo	Mo <kg>
-123	4636.50	-122	4636.50	-121	4636.50	-120	4791.05	-119	4829.69	-118	4829.69
-117	4597.43	-116	7197.46	-115	7990.93	-114	4090.92	-113	7922.75	-112	5660.40
-111	4558.36	-110	4560.99	-109	4435.47	-108	4309.28	-107	4068.75	-106	4197.60
-105	4052.37	-104	4092.08	-103	3763.50	-102	3653.58	-101	3570.92	-100	3588.57
-99	3349.98	-98	3242.05	-97	2594.93	-96	2530.78	-95	2917.45	-94	2842.39
-93	2711.58	-92	2609.68	-91	2523.88	-90	2397.26	-89	2339.15	-88	1585.54
-87	1520.18	-86	1511.89	-85	2007.40	-84	1908.15	-83	1785.23	-82	1666.87
-81	1340.48	-80	1898.97	-79	1767.51	-78	1698.58	-77	1274.09	-76	1441.98
-75	1783.72	-74	2560.65	-73	2560.65	-72	2560.65	-71	2560.65	-70	2560.65
-69	2560.65	-68	2560.65	-67	2560.65	-66	2560.65	-65	2560.65	-64	2560.65
-63	2560.65	-62	2560.65	-61	2560.65	-60	2560.65	-59	2560.65	-58	2560.65
-57	2560.65	-56	2560.65	-19	2560.65	110	46903.90	112	7500.02	113	6040.92
114	6006.83	115	6791.57	116	5245.04	117	4559.68	118	4498.23	119	4372.38
120	4189.01	121	4133.18	122	4124.99	123	4072.22	124	3927.78	125	3708.54
126	3612.24	127	3579.75	128	3469.27	129	3296.02	130	2918.48	131	2562.86
132	2724.11	133	2879.93	134	2776.98	135	2660.64	136	2566.78	137	2460.58
138	2368.20	139	1962.35	140	1552.86	141	1516.04	142	1759.64	143	1957.78
144	1846.69	145	1726.05	146	1644.90	147	1478.50	148	1833.24	149	1733.05
150	1486.34	151	1358.04	152	1612.84	153	116590.00	268	4829.69	269	4810.37
270	4713.78	271	4636.50	272	4636.51						

Totali masse nodi

Mo <kg>
536769.00

Elenco forze sismiche nodali allo SLD

Simbologia

Nodo = Numero del nodo
cx = Coeff. c in dir. X
cy = Coeff. c in dir. Y
Fx = Forza in dir. X
Fy = Forza in dir. Y

Nodo	cx	cy	Fx <daN>	Fy <daN>
-123	0.00	0.00	26.74	26.74
-122	0.00	0.00	24.60	24.60
-121	0.00	0.00	22.47	22.47
-120	0.00	0.00	20.97	20.97
-119	0.00	0.00	18.83	18.83
-118	0.00	0.00	16.51	16.51
-117	0.00	0.00	27.58	27.58
-116	0.00	0.00	6.89	6.89
-115	0.00	0.00	11.88	11.88
-114	0.00	0.00	7.82	7.82
-113	0.00	0.00	18.50	18.50
-112	0.00	0.00	16.39	16.39
-111	0.00	0.00	28.44	28.44
-110	0.00	0.00	30.69	30.69
-109	0.01	0.01	32.08	32.08
-108	0.01	0.01	33.38	33.38
-107	0.01	0.01	33.62	33.62
-106	0.01	0.01	36.96	36.96
-105	0.01	0.01	37.96	37.96
-104	0.01	0.01	40.63	40.63
-103	0.01	0.01	39.47	39.47
-102	0.01	0.01	40.36	40.36
-101	0.01	0.01	41.45	41.45
-100	0.01	0.01	43.66	43.66
-99	0.01	0.01	42.63	42.63
-98	0.01	0.01	43.07	43.07
-97	0.01	0.01	35.80	35.80
-96	0.01	0.01	36.10	36.10
-95	0.01	0.01	43.10	43.10
-94	0.01	0.01	43.57	43.57
-93	0.01	0.01	43.07	43.07
-92	0.01	0.01	42.90	42.90
-91	0.01	0.01	42.89	42.89
-90	0.01	0.01	42.06	42.06
-89	0.01	0.01	42.34	42.34
-88	0.00	0.00	29.46	29.46
-87	0.00	0.00	28.84	28.84
-86	0.00	0.00	29.29	29.29

-85	0.01	0.01	39.84	39.84
-84	0.01	0.01	38.92	38.92
-83	0.01	0.01	37.39	37.39
-82	0.01	0.01	35.84	35.84
-81	0.00	0.00	29.56	29.56
-80	0.01	0.01	42.74	42.74
-79	0.01	0.01	40.76	40.76
-78	0.01	0.01	40.10	40.10
-77	0.00	0.00	30.70	30.70
-76	0.01	0.01	35.36	35.36
-75	0.01	0.01	44.49	44.49
-74	0.00	0.00	1.82	1.82
-73	0.00	0.00	1.82	1.82
-72	0.00	0.00	1.82	1.82
-71	0.00	0.00	1.82	1.82
-70	0.00	0.00	1.82	1.82
-69	0.00	0.00	1.82	1.82
-68	0.00	0.00	1.82	1.82
-67	0.00	0.00	1.82	1.82
-66	0.00	0.00	1.82	1.82
-65	0.00	0.00	1.82	1.82
-64	0.00	0.00	1.82	1.82
-63	0.00	0.00	1.82	1.82
-62	0.00	0.00	1.82	1.82
-61	0.00	0.00	1.82	1.82
-60	0.00	0.00	1.82	1.82
-59	0.00	0.00	1.82	1.82
-58	0.00	0.00	1.82	1.82
-57	0.00	0.00	1.82	1.82
-56	0.00	0.00	1.82	1.82
-19	0.00	0.00	1.82	1.82
110	0.01	0.01	33.35	33.35
112	0.00	0.00	9.04	9.04
113	0.00	0.00	10.68	10.68
114	0.00	0.00	12.35	12.35
115	0.00	0.00	17.76	17.76
116	0.00	0.00	16.67	16.67
117	0.00	0.00	29.54	29.54
118	0.01	0.01	31.39	31.39
119	0.01	0.01	32.73	32.73
120	0.01	0.01	33.53	33.53
121	0.01	0.01	35.23	35.23
122	0.01	0.01	37.48	37.48
123	0.01	0.01	39.29	39.29
124	0.01	0.01	40.10	40.10
125	0.01	0.01	39.93	39.93
126	0.01	0.01	40.92	40.92
127	0.01	0.01	42.55	42.55
128	0.01	0.01	43.18	43.18
129	0.01	0.01	42.87	42.87
130	0.01	0.01	39.59	39.59
131	0.01	0.01	35.96	35.96
132	0.01	0.01	39.49	39.49
133	0.01	0.01	43.34	43.34
134	0.01	0.01	43.34	43.34
135	0.01	0.01	43.00	43.00
136	0.01	0.01	42.90	42.90
137	0.01	0.01	42.49	42.49
138	0.01	0.01	42.21	42.21
139	0.01	0.01	36.07	36.07
140	0.00	0.00	29.16	29.16
141	0.00	0.00	29.07	29.07
142	0.01	0.01	34.43	34.43
143	0.01	0.01	39.39	39.39
144	0.01	0.01	38.17	38.17
145	0.01	0.01	36.63	36.63
146	0.01	0.01	35.82	35.82
147	0.01	0.01	32.87	32.87
148	0.01	0.01	41.77	41.77
149	0.01	0.01	40.44	40.44
150	0.01	0.01	35.50	35.50
151	0.01	0.01	33.01	33.01
152	0.01	0.01	39.89	39.89
153	0.48	0.48	2932.41	2932.41
268	0.00	0.00	17.67	17.67
269	0.00	0.00	19.91	19.91
270	0.00	0.00	21.75	21.75
271	0.00	0.00	23.53	23.53
272	0.00	0.00	25.67	25.67

Totali forze sismiche

Fx <daN>	Fy <daN>
6159.13	6159.13

Elenco forze sismiche nodali allo SLV

Nodo	cx	cy	Fx <daN>	Fy <daN>
-123	0.00	0.00	38.33	38.33
-122	0.00	0.00	35.26	35.26
-121	0.00	0.00	32.20	32.20
-120	0.00	0.00	30.05	30.05
-119	0.00	0.00	26.98	26.98
-118	0.00	0.00	23.66	23.66
-117	0.00	0.00	39.53	39.53
-116	0.00	0.00	9.88	9.88
-115	0.00	0.00	17.02	17.02
-114	0.00	0.00	11.21	11.21
-113	0.00	0.00	26.52	26.52
-112	0.00	0.00	23.49	23.49
-111	0.00	0.00	40.76	40.76
-110	0.00	0.00	43.99	43.99
-109	0.01	0.01	45.98	45.98
-108	0.01	0.01	47.84	47.84
-107	0.01	0.01	48.19	48.19
-106	0.01	0.01	52.97	52.97
-105	0.01	0.01	54.41	54.41
-104	0.01	0.01	58.24	58.24
-103	0.01	0.01	56.58	56.58
-102	0.01	0.01	57.85	57.85
-101	0.01	0.01	59.41	59.41
-100	0.01	0.01	62.58	62.58
-99	0.01	0.01	61.10	61.10
-98	0.01	0.01	61.73	61.73
-97	0.01	0.01	51.32	51.32
-96	0.01	0.01	51.74	51.74
-95	0.01	0.01	61.77	61.77
-94	0.01	0.01	62.45	62.45
-93	0.01	0.01	61.73	61.73
-92	0.01	0.01	61.48	61.48
-91	0.01	0.01	61.47	61.47
-90	0.01	0.01	60.29	60.29
-89	0.01	0.01	60.69	60.69
-88	0.00	0.00	42.22	42.22
-87	0.00	0.00	41.34	41.34
-86	0.00	0.00	41.97	41.97
-85	0.01	0.01	57.10	57.10
-84	0.01	0.01	55.78	55.78
-83	0.01	0.01	53.60	53.60
-82	0.01	0.01	51.36	51.36
-81	0.00	0.00	42.37	42.37
-80	0.01	0.01	61.26	61.26
-79	0.01	0.01	58.42	58.42
-78	0.01	0.01	57.48	57.48
-77	0.00	0.00	44.01	44.01
-76	0.01	0.01	50.68	50.68
-75	0.01	0.01	63.76	63.76
-74	0.00	0.00	2.61	2.61
-73	0.00	0.00	2.61	2.61
-72	0.00	0.00	2.61	2.61
-71	0.00	0.00	2.61	2.61
-70	0.00	0.00	2.61	2.61
-69	0.00	0.00	2.61	2.61
-68	0.00	0.00	2.61	2.61
-67	0.00	0.00	2.61	2.61
-66	0.00	0.00	2.61	2.61
-65	0.00	0.00	2.61	2.61
-64	0.00	0.00	2.61	2.61
-63	0.00	0.00	2.61	2.61
-62	0.00	0.00	2.61	2.61
-61	0.00	0.00	2.61	2.61
-60	0.00	0.00	2.61	2.61
-59	0.00	0.00	2.61	2.61
-58	0.00	0.00	2.61	2.61
-57	0.00	0.00	2.61	2.61
-56	0.00	0.00	2.61	2.61
-19	0.00	0.00	2.61	2.61
110	0.01	0.01	47.80	47.80

112	0.00	0.00	12.95	12.95
113	0.00	0.00	15.31	15.31
114	0.00	0.00	17.70	17.70
115	0.00	0.00	25.45	25.45
116	0.00	0.00	23.89	23.89
117	0.00	0.00	42.34	42.34
118	0.01	0.01	44.99	44.99
119	0.01	0.01	46.91	46.91
120	0.01	0.01	48.06	48.06
121	0.01	0.01	50.49	50.49
122	0.01	0.01	53.72	53.72
123	0.01	0.01	56.32	56.32
124	0.01	0.01	57.47	57.47
125	0.01	0.01	57.24	57.24
126	0.01	0.01	58.65	58.65
127	0.01	0.01	60.99	60.99
128	0.01	0.01	61.89	61.89
129	0.01	0.01	61.44	61.44
130	0.01	0.01	56.74	56.74
131	0.01	0.01	51.54	51.54
132	0.01	0.01	56.60	56.60
133	0.01	0.01	62.13	62.13
134	0.01	0.01	62.11	62.11
135	0.01	0.01	61.63	61.63
136	0.01	0.01	61.49	61.49
137	0.01	0.01	60.91	60.91
138	0.01	0.01	60.50	60.50
139	0.01	0.01	51.69	51.69
140	0.00	0.00	41.79	41.79
141	0.00	0.00	41.66	41.66
142	0.01	0.01	49.35	49.35
143	0.01	0.01	56.46	56.46
144	0.01	0.01	54.71	54.71
145	0.01	0.01	52.50	52.50
146	0.01	0.01	51.34	51.34
147	0.01	0.01	47.11	47.11
148	0.01	0.01	59.86	59.86
149	0.01	0.01	57.96	57.96
150	0.01	0.01	50.89	50.89
151	0.01	0.01	47.32	47.32
152	0.01	0.01	57.17	57.17
153	0.48	0.48	4203.02	4203.02
268	0.00	0.00	25.32	25.32
269	0.00	0.00	28.53	28.53
270	0.00	0.00	31.18	31.18
271	0.00	0.00	33.73	33.73
272	0.00	0.00	36.80	36.80

Totali forze sismiche

Fx <daN>	Fy <daN>
8827.86	8827.86

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
-123	Max	10.65	17	3.96	9	-0.26	1	0.02	17	0.01	17	0.00	17
-123	Min.	-3.96	5	-36.50	17	-0.34	17	-0.00	9	-0.00	5	0.00	1
-122	Max	9.14	17	3.41	9	-0.25	1	0.02	17	0.01	17	0.00	17
-122	Min.	-3.41	5	-31.39	17	-0.33	17	-0.00	9	-0.00	5	0.00	1
-121	Max	7.74	17	2.89	9	-0.24	1	0.02	17	0.01	17	0.00	17
-121	Min.	-2.89	5	-26.64	17	-0.32	17	-0.00	9	-0.00	5	0.00	1
-120	Max	6.43	17	2.41	9	-0.23	1	0.02	17	0.01	17	0.00	17
-120	Min.	-2.41	5	-22.17	17	-0.31	17	-0.00	11	-0.00	7	0.00	1
-119	Max	5.21	17	1.96	9	-0.22	1	0.02	17	0.00	17	0.00	17
-119	Min.	-1.96	5	-18.01	17	-0.30	17	-0.00	11	-0.00	7	0.00	1
-118	Max	4.11	17	1.55	9	-0.21	1	0.01	17	0.00	17	0.00	17
-118	Min.	-1.55	5	-14.24	17	-0.28	17	-0.00	11	-0.00	7	0.00	1

-117	Max	11.44	17	4.25	9	-0.26	1	0.02	17	0.01	17	0.00	17
-117	Min.	-4.25	5	-39.18	17	-0.35	17	-0.00	9	-0.00	5	0.00	1
-116	Max	0.32	17	0.12	9	-0.18	1	0.01	17	0.00	17	0.00	17
-116	Min.	-0.12	5	-1.12	17	-0.23	17	0.00	11	0.00	7	0.00	1
-115	Max	0.91	17	0.34	9	-0.18	1	0.01	17	0.00	17	0.00	17
-115	Min.	-0.34	5	-3.17	17	-0.24	17	0.00	11	0.00	7	0.00	1
-114	Max	1.47	17	0.56	9	-0.19	1	0.01	17	0.00	17	0.00	17
-114	Min.	-0.56	5	-5.12	17	-0.25	17	-0.00	11	-0.00	7	0.00	1
-113	Max	2.11	17	0.80	9	-0.20	1	0.01	17	0.00	17	0.00	17
-113	Min.	-0.80	5	-7.32	17	-0.26	17	-0.00	11	-0.00	7	0.00	1
-112	Max	3.07	17	1.16	9	-0.20	1	0.01	17	0.00	17	0.00	17
-112	Min.	-1.16	5	-10.64	17	-0.27	17	-0.00	11	-0.00	7	0.00	1
-111	Max	12.30	17	4.57	9	-0.26	1	0.02	17	0.01	17	0.00	17
-111	Min.	-4.57	5	-42.07	17	-0.35	17	-0.00	9	-0.00	5	0.00	1
-110	Max	14.14	17	5.24	9	-0.27	1	0.02	17	0.01	17	0.00	17
-110	Min.	-5.24	5	-48.24	17	-0.36	17	-0.00	9	-0.00	5	0.00	1
-109	Max	16.16	17	5.97	9	-0.28	1	0.03	17	0.01	17	0.00	17
-109	Min.	-5.97	5	-55.01	17	-0.38	17	-0.00	9	-0.00	5	0.00	1
-108	Max	18.36	17	6.76	9	-0.29	1	0.03	17	0.01	17	0.00	17
-108	Min.	-6.76	5	-62.33	17	-0.39	17	-0.00	9	-0.00	5	0.00	1
-107	Max	20.73	17	7.61	9	-0.30	1	0.03	17	0.01	17	0.00	17
-107	Min.	-7.61	5	-70.19	17	-0.40	17	-0.00	9	-0.00	5	0.00	1
-106	Max	23.36	17	8.55	9	-0.31	1	0.03	17	0.01	17	0.00	17
-106	Min.	-8.55	5	-78.88	17	-0.41	17	-0.00	9	-0.00	5	0.00	1
-105	Max	26.27	17	9.58	9	-0.32	1	0.03	17	0.01	17	0.00	17
-105	Min.	-9.58	5	-88.47	17	-0.43	17	-0.00	9	-0.00	5	0.00	1
-104	Max	29.36	17	10.67	9	-0.33	1	0.04	17	0.01	17	0.00	17
-104	Min.	-10.67	5	-98.57	17	-0.44	17	-0.00	9	-0.00	5	0.00	1
-103	Max	32.61	17	11.81	9	-0.34	1	0.04	17	0.01	17	0.00	17
-103	Min.	-11.81	5	-109.15	17	-0.46	17	-0.00	9	-0.00	5	0.00	1
-102	Max	36.04	17	13.00	9	-0.35	1	0.04	17	0.01	17	0.00	17
-102	Min.	-13.00	5	-120.26	17	-0.47	17	-0.00	9	-0.00	5	0.00	1
-101	Max	39.65	17	14.25	9	-0.36	1	0.04	17	0.01	17	0.00	17
-101	Min.	-14.25	5	-131.90	17	-0.49	17	-0.00	9	-0.00	5	0.00	1
-100	Max	43.45	17	15.56	9	-0.37	1	0.04	17	0.01	17	0.00	17
-100	Min.	-15.56	5	-144.06	17	-0.50	17	-0.00	9	-0.00	5	0.00	1
-99	Max	47.41	17	16.91	9	-0.38	1	0.04	17	0.01	17	0.00	17
-99	Min.	-16.91	5	-156.72	17	-0.52	17	-0.00	9	-0.00	5	0.00	1
-98	Max	51.56	17	18.32	9	-0.39	1	0.05	17	0.01	17	0.00	17
-98	Min.	-18.32	5	-169.88	17	-0.53	17	-0.00	9	-0.00	5	0.00	1
-97	Max	55.52	17	19.65	9	-0.40	1	0.05	17	0.02	17	0.00	17
-97	Min.	-19.65	5	-182.38	17	-0.54	17	-0.01	9	-0.01	5	0.00	1
-96	Max	59.24	17	20.90	9	-0.41	1	0.05	17	0.02	17	0.00	17
-96	Min.	-20.90	5	-194.09	17	-0.56	17	-0.01	9	-0.01	5	0.00	1
-95	Max	63.47	17	22.31	9	-0.42	1	0.05	17	0.02	17	0.00	17
-95	Min.	-22.31	5	-207.31	17	-0.57	17	-0.01	9	-0.01	5	0.00	1
-94	Max	68.24	17	23.89	9	-0.43	1	0.05	17	0.02	17	0.00	17
-94	Min.	-23.89	5	-222.15	17	-0.59	17	-0.01	9	-0.01	5	0.00	1
-93	Max	73.18	17	25.52	9	-0.44	1	0.05	17	0.02	17	0.00	17
-93	Min.	-25.52	5	-237.46	17	-0.60	17	-0.01	9	-0.01	5	0.00	1
-92	Max	78.30	17	27.19	9	-0.45	1	0.06	17	0.02	17	0.00	17
-92	Min.	-27.19	5	-253.23	17	-0.62	17	-0.01	9	-0.01	5	0.00	1
-91	Max	83.60	17	28.91	9	-0.46	1	0.06	17	0.02	17	0.00	17
-91	Min.	-28.91	5	-269.46	17	-0.63	17	-0.01	9	-0.01	5	0.00	1
-90	Max	89.07	17	30.67	9	-0.47	1	0.06	17	0.02	17	0.00	17
-90	Min.	-30.67	5	-286.15	17	-0.65	17	-0.01	9	-0.01	5	0.00	1
-89	Max	94.73	17	32.47	9	-0.48	1	0.06	17	0.02	17	0.00	17
-89	Min.	-32.47	5	-303.28	17	-0.66	17	-0.01	9	-0.01	5	0.00	1
-88	Max	99.72	17	34.05	9	-0.49	1	0.06	17	0.02	17	0.00	17
-88	Min.	-34.05	5	-318.32	17	-0.68	17	-0.01	9	-0.01	5	0.00	1
-87	Max	103.97	17	35.39	9	-0.50	1	0.06	17	0.02	17	0.00	17
-87	Min.	-35.39	5	-331.09	17	-0.69	17	-0.01	9	-0.01	5	0.00	1
-86	Max	108.32	17	36.76	9	-0.51	1	0.06	17	0.02	17	0.00	17
-86	Min.	-36.76	5	-344.08	17	-0.70	17	-0.01	9	-0.01	5	0.00	1
-85	Max	113.63	17	38.41	9	-0.52	1	0.06	17	0.02	17	0.00	17
-85	Min.	-38.41	5	-359.89	17	-0.72	17	-0.01	9	-0.01	5	0.00	1
-84	Max	119.97	17	40.36	9	-0.53	1	0.07	17	0.02	17	0.00	17
-84	Min.	-40.36	5	-378.65	17	-0.73	17	-0.01	9	-0.01	5	0.00	1
-83	Max	126.47	17	42.35	9	-0.54	1	0.07	17	0.02	17	0.00	17
-83	Min.	-42.35	5	-397.80	17	-0.75	17	-0.01	9	-0.01	5	0.00	1
-82	Max	133.15	17	44.38	9	-0.56	1	0.07	17	0.02	17	0.00	17
-82	Min.	-44.38	5	-417.34	17	-0.77	17	-0.01	9	-0.01	5	0.00	1
-81	Max	139.99	17	46.44	9	-0.57	1	0.07	17	0.02	17	0.00	17
-81	Min.	-46.44	5	-437.27	17	-0.79	17	-0.01	9	-0.01	5	0.00	1
-80	Max	145.76	17	48.16	9	-0.58	1	0.07	17	0.02	17	0.00	17
-80	Min.	-48.16	5	-453.99	17	-0.80	17	-0.01	9	-0.01	5	0.00	1
-79	Max	152.87	17	50.26	9	-0.59	1	0.07	17	0.02	17	0.00	17
-79	Min.	-50.26	5	-474.47	17	-0.82	17	-0.01	9	-0.01	5	0.00	1
-78	Max	160.09	17	52.37	9	-0.60	1	0.07	17	0.03	17	0.00	17

-78	Min.	-52.37	5	-495.21	17	-0.84	17	-0.01	9	-0.01	5	0.00	1
-77	Max	166.56	17	54.25	9	-0.61	1	0.07	17	0.03	17	0.00	17
-77	Min.	-54.25	5	-513.67	17	-0.85	17	-0.01	9	-0.01	5	0.00	1
-76	Max	172.22	17	55.88	9	-0.62	1	0.07	17	0.03	17	0.00	17
-76	Min.	-55.88	5	-529.79	17	-0.87	17	-0.01	9	-0.01	5	0.00	1
-75	Max	177.92	17	57.52	9	-0.63	1	0.07	17	0.03	17	0.00	17
-75	Min.	-57.52	5	-545.98	17	-0.88	17	-0.01	9	-0.01	5	0.00	1
-74	Max	0.08	17	0.03	9	-0.15	5	0.00	7	0.00	5	0.00	17
-74	Min.	-0.02	7	-0.15	17	-0.34	17	0.00	17	-0.00	17	0.00	9
-73	Max	0.11	17	0.03	9	-0.15	5	0.00	5	0.00	5	0.00	17
-73	Min.	-0.03	7	-0.14	17	-0.39	17	-0.00	17	-0.00	17	0.00	9
-72	Max	0.14	17	0.03	9	-0.15	11	0.00	11	0.00	11	0.00	17
-72	Min.	-0.03	7	-0.15	17	-0.42	17	-0.00	17	0.00	17	0.00	1
-71	Max	0.17	17	0.02	9	-0.15	11	0.00	11	0.00	9	0.00	17
-71	Min.	-0.03	7	-0.17	17	-0.43	17	-0.00	17	0.00	17	0.00	1
-70	Max	0.20	17	0.02	9	-0.15	9	0.00	11	0.00	17	0.00	5
-70	Min.	-0.03	5	-0.21	17	-0.43	17	-0.00	17	0.00	5	0.00	17
-69	Max	0.21	17	0.02	11	-0.15	9	0.00	9	0.00	17	0.00	5
-69	Min.	-0.03	5	-0.26	17	-0.40	17	-0.00	17	0.00	11	0.00	17
-68	Max	0.20	17	0.03	11	-0.15	9	0.00	9	0.00	17	0.00	5
-68	Min.	-0.03	5	-0.31	17	-0.35	17	0.00	17	0.00	9	0.00	17
-67	Max	0.17	17	0.03	11	-0.15	1	0.00	17	0.00	17	0.00	11
-67	Min.	-0.03	5	-0.36	17	-0.30	17	0.00	7	0.00	1	0.00	17
-66	Max	0.12	17	0.03	11	-0.15	1	0.00	17	0.00	17	0.00	11
-66	Min.	-0.02	5	-0.39	17	-0.23	17	0.00	5	0.00	1	0.00	17
-65	Max	0.06	17	0.03	9	-0.13	18	0.00	17	0.00	7	0.00	9
-65	Min.	-0.02	5	-0.40	17	-0.19	5	0.00	9	0.00	17	0.00	17
-64	Max	0.02	1	0.03	9	-0.09	18	0.00	17	0.00	5	0.00	9
-64	Min.	-0.02	7	-0.38	17	-0.19	5	0.00	1	-0.00	17	0.00	17
-63	Max	0.03	1	0.03	9	-0.06	17	0.00	5	0.00	5	0.00	9
-63	Min.	-0.04	17	-0.34	17	-0.19	5	0.00	17	-0.00	17	0.00	17
-62	Max	0.03	1	0.03	9	-0.03	17	0.00	11	0.00	11	0.00	1
-62	Min.	-0.06	17	-0.29	17	-0.19	11	-0.00	17	-0.00	17	0.00	17
-61	Max	0.03	1	0.02	9	-0.01	17	0.00	11	0.00	9	0.00	17
-61	Min.	-0.06	17	-0.25	17	-0.19	11	-0.00	17	-0.00	17	0.00	7
-60	Max	0.03	3	0.02	9	-0.02	17	0.00	11	0.00	3	0.00	17
-60	Min.	-0.04	17	-0.21	17	-0.19	9	-0.00	17	0.00	17	0.00	5
-59	Max	0.03	3	0.02	11	-0.05	17	0.00	9	0.00	17	0.00	17
-59	Min.	-0.03	5	-0.18	17	-0.19	9	-0.00	17	0.00	11	0.00	5
-58	Max	0.03	3	0.03	11	-0.09	18	0.00	9	0.00	17	0.00	17
-58	Min.	-0.03	5	-0.17	17	-0.19	9	-0.00	17	0.00	9	0.00	5
-57	Max	0.03	3	0.03	11	-0.12	18	0.00	1	0.00	17	0.00	17
-57	Min.	-0.03	5	-0.16	17	-0.19	1	0.00	17	0.00	1	0.00	11
-56	Max	0.04	17	0.03	11	-0.15	7	0.00	3	0.00	7	0.00	17
-56	Min.	-0.02	5	-0.16	17	-0.22	17	0.00	17	0.00	1	0.00	11
-55	Max	0.00	1	0.00	1	-0.16	5	0.00	17	0.00	17	0.00	1
-55	Min.	0.00	1	0.00	1	-0.27	17	0.00	9	0.00	7	0.00	1
-54	Max	0.00	1	0.00	1	-0.16	5	0.00	17	0.00	17	0.00	1
-54	Min.	0.00	1	0.00	1	-0.29	17	0.00	9	0.00	7	0.00	1
-53	Max	0.00	1	0.00	1	-0.16	11	0.00	17	0.00	17	0.00	1
-53	Min.	0.00	1	0.00	1	-0.30	17	0.00	9	0.00	7	0.00	1
-52	Max	0.00	1	0.00	1	-0.16	11	0.00	17	0.00	17	0.00	1
-52	Min.	0.00	1	0.00	1	-0.31	17	0.00	9	0.00	7	0.00	1
-51	Max	0.00	1	0.00	1	-0.16	9	0.00	17	0.00	17	0.00	1
-51	Min.	0.00	1	0.00	1	-0.30	17	0.00	9	0.00	7	0.00	1
-50	Max	0.00	1	0.00	1	-0.16	9	0.00	17	0.00	17	0.00	1
-50	Min.	0.00	1	0.00	1	-0.29	17	0.00	11	0.00	5	0.00	1
-49	Max	0.00	1	0.00	1	-0.16	9	0.00	17	0.00	17	0.00	1
-49	Min.	0.00	1	0.00	1	-0.27	17	0.00	11	0.00	5	0.00	1
-48	Max	0.00	1	0.00	1	-0.16	1	0.00	17	0.00	17	0.00	1
-48	Min.	0.00	1	0.00	1	-0.25	17	0.00	11	0.00	5	0.00	1
-47	Max	0.00	1	0.00	1	-0.16	1	0.00	17	0.00	17	0.00	1
-47	Min.	0.00	1	0.00	1	-0.22	17	0.00	11	0.00	5	0.00	1
-46	Max	0.00	1	0.00	1	-0.15	18	0.00	17	0.00	17	0.00	1
-46	Min.	0.00	1	0.00	1	-0.20	17	0.00	11	0.00	5	0.00	1
-45	Max	0.00	1	0.00	1	-0.14	18	0.00	17	0.00	17	0.00	1
-45	Min.	0.00	1	0.00	1	-0.18	5	0.00	9	0.00	7	0.00	1
-44	Max	0.00	1	0.00	1	-0.12	18	0.00	17	0.00	17	0.00	1
-44	Min.	0.00	1	0.00	1	-0.18	5	0.00	9	0.00	7	0.00	1
-43	Max	0.00	1	0.00	1	-0.12	18	0.00	17	0.00	17	0.00	1
-43	Min.	0.00	1	0.00	1	-0.18	11	0.00	9	0.00	7	0.00	1
-42	Max	0.00	1	0.00	1	-0.11	18	0.00	17	0.00	17	0.00	1
-42	Min.	0.00	1	0.00	1	-0.18	11	0.00	9	0.00	7	0.00	1
-41	Max	0.00	1	0.00	1	-0.11	18	0.00	17	0.00	17	0.00	1
-41	Min.	0.00	1	0.00	1	-0.18	9	0.00	9	0.00	7	0.00	1
-40	Max	0.00	1	0.00	1	-0.12	18	0.00	17	0.00	17	0.00	1
-40	Min.	0.00	1	0.00	1	-0.18	9	0.00	11	0.00	5	0.00	1
-39	Max	0.00	1	0.00	1	-0.13	18	0.00	17	0.00	17	0.00	1
-39	Min.	0.00	1	0.00	1	-0.18	9	0.00	11	0.00	5	0.00	1

-38	Max	0.00	1	0.00	1	-0.15	18	0.00	17	0.00	17	0.00	1
-38	Min.	0.00	1	0.00	1	-0.19	17	0.00	11	0.00	5	0.00	1
-37	Max	0.00	1	0.00	1	-0.16	7	0.00	17	0.00	17	0.00	1
-37	Min.	0.00	1	0.00	1	-0.22	17	0.00	11	0.00	5	0.00	1
-19	Max	0.06	17	0.03	9	-0.15	5	0.00	15	0.00	7	0.00	17
-19	Min.	-0.02	5	-0.15	17	-0.28	17	0.00	17	0.00	17	0.00	9
-1	Max	0.00	1	0.00	1	-0.16	5	0.00	17	0.00	17	0.00	1
-1	Min.	0.00	1	0.00	1	-0.25	17	0.00	11	0.00	5	0.00	1
1	Max	0.00	1	0.00	1	-0.17	1	0.00	17	0.00	17	0.00	1
1	Min.	0.00	1	0.00	1	-0.23	17	0.00	9	0.00	5	0.00	1
2	Max	0.00	1	0.00	1	-0.15	5	0.00	17	0.00	17	0.00	1
2	Min.	0.00	1	0.00	1	-0.24	17	0.00	11	0.00	7	0.00	1
110	Max	0.09	17	0.03	9	-0.17	1	0.01	17	0.00	17	0.00	17
110	Min.	-0.03	5	-0.31	17	-0.22	17	0.00	11	0.00	7	0.00	1
111	Max	0.00	1	0.00	1	-0.17	1	0.00	11	0.00	7	0.00	1
111	Min.	0.00	1	0.00	1	-0.22	17	-0.00	17	0.00	17	0.00	1
112	Max	0.58	17	0.22	9	-0.18	1	0.01	17	0.00	17	0.00	17
112	Min.	-0.22	5	-2.03	17	-0.23	17	0.00	11	0.00	7	0.00	1
113	Max	1.27	17	0.48	9	-0.19	1	0.01	17	0.00	17	0.00	17
113	Min.	-0.48	5	-4.43	17	-0.25	17	0.00	11	0.00	7	0.00	1
114	Max	1.68	17	0.64	9	-0.19	1	0.01	17	0.00	17	0.00	17
114	Min.	-0.64	5	-5.84	17	-0.25	17	-0.00	11	-0.00	7	0.00	1
115	Max	2.56	17	0.97	9	-0.20	1	0.01	17	0.00	17	0.00	17
115	Min.	-0.97	5	-8.90	17	-0.26	17	-0.00	11	-0.00	7	0.00	1
116	Max	3.61	17	1.36	9	-0.21	1	0.01	17	0.00	17	0.00	17
116	Min.	-1.36	5	-12.52	17	-0.28	17	-0.00	11	-0.00	7	0.00	1
117	Max	13.19	17	4.89	9	-0.27	1	0.02	17	0.01	17	0.00	17
117	Min.	-4.89	5	-45.04	17	-0.36	17	-0.00	9	-0.00	5	0.00	1
118	Max	15.12	17	5.59	9	-0.28	1	0.03	17	0.01	17	0.00	17
118	Min.	-5.59	5	-51.55	17	-0.37	17	-0.00	9	-0.00	5	0.00	1
119	Max	17.23	17	6.35	9	-0.29	1	0.03	17	0.01	17	0.00	17
119	Min.	-6.35	5	-58.57	17	-0.38	17	-0.00	9	-0.00	5	0.00	1
120	Max	19.52	17	7.18	9	-0.29	1	0.03	17	0.01	17	0.00	17
120	Min.	-7.18	5	-66.21	17	-0.39	17	-0.00	9	-0.00	5	0.00	1
121	Max	21.97	17	8.05	9	-0.30	1	0.03	17	0.01	17	0.00	17
121	Min.	-8.05	5	-74.30	17	-0.41	17	-0.00	9	-0.00	5	0.00	1
122	Max	24.79	17	9.06	9	-0.31	1	0.03	17	0.01	17	0.00	17
122	Min.	-9.06	5	-83.61	17	-0.42	17	-0.00	9	-0.00	5	0.00	1
123	Max	27.80	17	10.12	9	-0.32	1	0.03	17	0.01	17	0.00	17
123	Min.	-10.12	5	-93.47	17	-0.44	17	-0.00	9	-0.00	5	0.00	1
124	Max	30.96	17	11.23	9	-0.33	1	0.04	17	0.01	17	0.00	17
124	Min.	-11.23	5	-103.79	17	-0.45	17	-0.00	9	-0.00	5	0.00	1
125	Max	34.30	17	12.40	9	-0.34	1	0.04	17	0.01	17	0.00	17
125	Min.	-12.40	5	-114.64	17	-0.46	17	-0.00	9	-0.00	5	0.00	1
126	Max	37.82	17	13.62	9	-0.36	1	0.04	17	0.01	17	0.00	17
126	Min.	-13.62	5	-126.02	17	-0.48	17	-0.00	9	-0.00	5	0.00	1
127	Max	41.53	17	14.90	9	-0.37	1	0.04	17	0.01	17	0.00	17
127	Min.	-14.90	5	-137.92	17	-0.49	17	-0.00	9	-0.00	5	0.00	1
128	Max	45.41	17	16.23	9	-0.38	1	0.04	17	0.01	17	0.00	17
128	Min.	-16.23	5	-150.33	17	-0.51	17	-0.00	9	-0.00	5	0.00	1
129	Max	49.47	17	17.61	9	-0.39	1	0.05	17	0.01	17	0.00	17
129	Min.	-17.61	5	-163.24	17	-0.52	17	-0.00	9	-0.00	5	0.00	1
130	Max	53.70	17	19.04	9	-0.40	1	0.05	17	0.01	17	0.00	17
130	Min.	-19.04	5	-176.65	17	-0.54	17	-0.01	9	-0.01	5	0.00	1
131	Max	57.37	17	20.27	9	-0.40	1	0.05	17	0.02	17	0.00	17
131	Min.	-20.27	5	-188.19	17	-0.55	17	-0.01	9	-0.01	5	0.00	1
132	Max	61.15	17	21.54	9	-0.41	1	0.05	17	0.02	17	0.00	17
132	Min.	-21.54	5	-200.07	17	-0.56	17	-0.01	9	-0.01	5	0.00	1
133	Max	65.83	17	23.10	9	-0.42	1	0.05	17	0.02	17	0.00	17
133	Min.	-23.10	5	-214.67	17	-0.58	17	-0.01	9	-0.01	5	0.00	1
134	Max	70.68	17	24.70	9	-0.43	1	0.05	17	0.02	17	0.00	17
134	Min.	-24.70	5	-229.74	17	-0.59	17	-0.01	9	-0.01	5	0.00	1
135	Max	75.72	17	26.35	9	-0.44	1	0.05	17	0.02	17	0.00	17
135	Min.	-26.35	5	-245.28	17	-0.61	17	-0.01	9	-0.01	5	0.00	1
136	Max	80.93	17	28.04	9	-0.46	1	0.06	17	0.02	17	0.00	17
136	Min.	-28.04	5	-261.29	17	-0.62	17	-0.01	9	-0.01	5	0.00	1
137	Max	86.31	17	29.78	9	-0.47	1	0.06	17	0.02	17	0.00	17
137	Min.	-29.78	5	-277.75	17	-0.64	17	-0.01	9	-0.01	5	0.00	1
138	Max	91.88	17	31.56	9	-0.48	1	0.06	17	0.02	17	0.00	17
138	Min.	-31.56	5	-294.66	17	-0.66	17	-0.01	9	-0.01	5	0.00	1
139	Max	97.62	17	33.39	9	-0.49	1	0.06	17	0.02	17	0.00	17
139	Min.	-33.39	5	-312.01	17	-0.67	17	-0.01	9	-0.01	5	0.00	1
140	Max	101.83	17	34.72	9	-0.50	1	0.06	17	0.02	17	0.00	17
140	Min.	-34.72	5	-324.68	17	-0.68	17	-0.01	9	-0.01	5	0.00	1
141	Max	106.13	17	36.07	9	-0.50	1	0.06	17	0.02	17	0.00	17
141	Min.	-36.07	5	-337.56	17	-0.70	17	-0.01	9	-0.01	5	0.00	1
142	Max	110.52	17	37.44	9	-0.51	1	0.06	17	0.02	17	0.00	17
142	Min.	-37.44	5	-350.66	17	-0.71	17	-0.01	9	-0.01	5	0.00	1
143	Max	116.78	17	39.38	9	-0.52	1	0.07	17	0.02	17	0.00	17

143	Min.	-39.38	5	-369.22	17	-0.72	17	-0.01	9	-0.01	5	0.00	1
144	Max	123.19	17	41.35	9	-0.54	1	0.07	17	0.02	17	0.00	17
144	Min.	-41.35	5	-388.17	17	-0.74	17	-0.01	9	-0.01	5	0.00	1
145	Max	129.78	17	43.36	9	-0.55	1	0.07	17	0.02	17	0.00	17
145	Min.	-43.36	5	-407.51	17	-0.76	17	-0.01	9	-0.01	5	0.00	1
146	Max	136.55	17	45.40	9	-0.56	1	0.07	17	0.02	17	0.00	17
146	Min.	-45.40	5	-427.26	17	-0.78	17	-0.01	9	-0.01	5	0.00	1
147	Max	142.26	17	47.11	9	-0.57	1	0.07	17	0.02	17	0.00	17
147	Min.	-47.11	5	-443.84	17	-0.80	17	-0.01	9	-0.01	5	0.00	1
148	Max	149.30	17	49.20	9	-0.58	1	0.07	17	0.02	17	0.00	17
148	Min.	-49.20	5	-464.19	17	-0.81	17	-0.01	9	-0.01	5	0.00	1
149	Max	156.47	17	51.31	9	-0.59	1	0.07	17	0.03	17	0.00	17
149	Min.	-51.31	5	-484.81	17	-0.83	17	-0.01	9	-0.01	5	0.00	1
150	Max	163.75	17	53.44	9	-0.61	1	0.07	17	0.03	17	0.00	17
150	Min.	-53.44	5	-505.66	17	-0.85	17	-0.01	9	-0.01	5	0.00	1
151	Max	169.38	17	55.07	9	-0.61	1	0.07	17	0.03	17	0.00	17
151	Min.	-55.07	5	-521.72	17	-0.86	17	-0.01	9	-0.01	5	0.00	1
152	Max	175.06	17	56.70	9	-0.62	1	0.07	17	0.03	17	0.00	17
152	Min.	-56.70	5	-537.88	17	-0.87	17	-0.01	9	-0.01	5	0.00	1
153	Max	180.78	17	58.34	9	-0.63	1	0.07	17	0.03	17	0.00	17
153	Min.	-58.34	5	-554.10	17	-0.88	17	-0.01	9	-0.01	5	0.00	1
249	Max	0.00	1	0.00	1	-0.15	7	0.00	17	0.00	17	0.00	1
249	Min.	0.00	1	0.00	1	-0.21	17	0.00	11	0.00	5	0.00	1
250	Max	0.00	1	0.00	1	-0.14	18	0.00	17	0.00	17	0.00	1
250	Min.	0.00	1	0.00	1	-0.18	17	0.00	11	0.00	5	0.00	1
251	Max	0.00	1	0.00	1	-0.12	18	0.00	17	0.00	17	0.00	1
251	Min.	0.00	1	0.00	1	-0.18	9	0.00	11	0.00	5	0.00	1
252	Max	0.00	1	0.00	1	-0.11	18	0.00	17	0.00	17	0.00	1
252	Min.	0.00	1	0.00	1	-0.18	9	0.00	11	0.00	5	0.00	1
253	Max	0.00	1	0.00	1	-0.10	18	0.00	17	0.00	17	0.00	1
253	Min.	0.00	1	0.00	1	-0.18	9	0.00	11	0.00	7	0.00	1
254	Max	0.00	1	0.00	1	-0.10	18	0.00	17	0.00	17	0.00	1
254	Min.	0.00	1	0.00	1	-0.18	11	0.00	9	0.00	7	0.00	1
255	Max	0.00	1	0.00	1	-0.10	18	0.00	17	0.00	17	0.00	1
255	Min.	0.00	1	0.00	1	-0.18	11	0.00	9	0.00	7	0.00	1
256	Max	0.00	1	0.00	1	-0.11	18	0.00	17	0.00	17	0.00	1
256	Min.	0.00	1	0.00	1	-0.18	5	0.00	9	0.00	7	0.00	1
257	Max	0.00	1	0.00	1	-0.13	18	0.00	17	0.00	17	0.00	1
257	Min.	0.00	1	0.00	1	-0.18	5	0.00	9	0.00	7	0.00	1
258	Max	0.00	1	0.00	1	-0.15	18	0.00	17	0.00	17	0.00	1
258	Min.	0.00	1	0.00	1	-0.19	17	0.00	11	0.00	7	0.00	1
259	Max	0.00	1	0.00	1	-0.15	1	0.00	17	0.00	17	0.00	1
259	Min.	0.00	1	0.00	1	-0.22	17	0.00	11	0.00	5	0.00	1
260	Max	0.00	1	0.00	1	-0.16	1	0.00	17	0.00	17	0.00	1
260	Min.	0.00	1	0.00	1	-0.25	17	0.00	11	0.00	5	0.00	1
261	Max	0.00	1	0.00	1	-0.16	9	0.00	17	0.00	17	0.00	1
261	Min.	0.00	1	0.00	1	-0.28	17	0.00	11	0.00	5	0.00	1
262	Max	0.00	1	0.00	1	-0.15	9	0.00	17	0.00	17	0.00	1
262	Min.	0.00	1	0.00	1	-0.30	17	0.00	11	0.00	5	0.00	1
263	Max	0.00	1	0.00	1	-0.15	9	0.00	17	0.00	17	0.00	1
263	Min.	0.00	1	0.00	1	-0.31	17	0.00	11	0.00	7	0.00	1
264	Max	0.00	1	0.00	1	-0.15	11	0.00	17	0.00	17	0.00	1
264	Min.	0.00	1	0.00	1	-0.32	17	0.00	9	0.00	7	0.00	1
265	Max	0.00	1	0.00	1	-0.16	11	0.00	17	0.00	17	0.00	1
265	Min.	0.00	1	0.00	1	-0.31	17	0.00	9	0.00	7	0.00	1
266	Max	0.00	1	0.00	1	-0.16	5	0.00	17	0.00	17	0.00	1
266	Min.	0.00	1	0.00	1	-0.30	17	0.00	9	0.00	7	0.00	1
267	Max	0.00	1	0.00	1	-0.15	5	0.00	17	0.00	17	0.00	1
267	Min.	0.00	1	0.00	1	-0.27	17	0.00	9	0.00	7	0.00	1
268	Max	4.65	17	1.75	9	-0.22	1	0.02	17	0.00	17	0.00	17
268	Min.	-1.75	5	-16.07	17	-0.29	17	-0.00	11	-0.00	7	0.00	1
269	Max	5.81	17	2.18	9	-0.23	1	0.02	17	0.00	17	0.00	17
269	Min.	-2.18	5	-20.05	17	-0.30	17	-0.00	11	-0.00	7	0.00	1
270	Max	7.08	17	2.65	9	-0.24	1	0.02	17	0.01	17	0.00	17
270	Min.	-2.65	5	-24.39	17	-0.31	17	-0.00	9	-0.00	5	0.00	1
271	Max	8.43	17	3.15	9	-0.24	1	0.02	17	0.01	17	0.00	17
271	Min.	-3.15	5	-28.97	17	-0.32	17	-0.00	9	-0.00	5	0.00	1
272	Max	9.88	17	3.68	9	-0.25	1	0.02	17	0.01	17	0.00	17
272	Min.	-3.68	5	-33.90	17	-0.34	17	-0.00	9	-0.00	5	0.00	1
273	Max	0.00	1	0.00	1	-0.14	5	0.00	17	0.00	17	0.00	1
273	Min.	0.00	1	0.00	1	-0.24	17	0.00	11	0.00	7	0.00	1
274	Max	0.00	1	0.00	1	-0.13	7	0.00	17	0.00	18	0.00	1
274	Min.	0.00	1	0.00	1	-0.23	17	0.00	11	0.00	7	0.00	1
275	Max	0.00	1	0.00	1	-0.12	7	0.00	17	0.00	18	0.00	1
275	Min.	0.00	1	0.00	1	-0.22	17	0.00	11	0.00	7	0.00	1
276	Max	0.00	1	0.00	1	-0.11	7	0.00	17	0.00	18	0.00	1
276	Min.	0.00	1	0.00	1	-0.21	17	0.00	11	0.00	7	0.00	1
277	Max	0.00	1	0.00	1	-0.09	7	0.00	17	0.00	18	0.00	1
277	Min.	0.00	1	0.00	1	-0.21	17	0.00	11	0.00	7	0.00	1

278	Max	0.00	1	0.00	1	-0.14	7	0.00	17	0.00	17	0.00	1
278	Min.	0.00	1	0.00	1	-0.20	17	0.00	11	0.00	5	0.00	1
279	Max	0.00	1	0.00	1	-0.13	18	0.00	17	0.00	17	0.00	1
279	Min.	0.00	1	0.00	1	-0.17	1	0.00	11	0.00	5	0.00	1
280	Max	0.00	1	0.00	1	-0.10	18	0.00	17	0.00	17	0.00	1
280	Min.	0.00	1	0.00	1	-0.17	9	0.00	11	0.00	5	0.00	1
281	Max	0.00	1	0.00	1	-0.09	18	0.00	17	0.00	17	0.00	1
281	Min.	0.00	1	0.00	1	-0.17	9	0.00	11	0.00	5	0.00	1
282	Max	0.00	1	0.00	1	-0.08	18	0.00	17	0.00	17	0.00	1
282	Min.	0.00	1	0.00	1	-0.17	9	0.00	11	0.00	7	0.00	1
283	Max	0.00	1	0.00	1	-0.07	18	0.00	17	0.00	17	0.00	1
283	Min.	0.00	1	0.00	1	-0.17	11	0.00	9	0.00	7	0.00	1
284	Max	0.00	1	0.00	1	-0.08	18	0.00	17	0.00	17	0.00	1
284	Min.	0.00	1	0.00	1	-0.17	11	0.00	9	0.00	7	0.00	1
285	Max	0.00	1	0.00	1	-0.09	18	0.00	17	0.00	17	0.00	1
285	Min.	0.00	1	0.00	1	-0.17	5	0.00	9	0.00	7	0.00	1
286	Max	0.00	1	0.00	1	-0.11	18	0.00	17	0.00	17	0.00	1
286	Min.	0.00	1	0.00	1	-0.17	5	0.00	9	0.00	7	0.00	1
287	Max	0.00	1	0.00	1	-0.13	18	0.00	17	0.00	17	0.00	1
287	Min.	0.00	1	0.00	1	-0.17	17	0.00	11	0.00	7	0.00	1
288	Max	0.00	1	0.00	1	-0.14	1	0.00	17	0.00	17	0.00	1
288	Min.	0.00	1	0.00	1	-0.21	17	0.00	11	0.00	5	0.00	1
289	Max	0.00	1	0.00	1	-0.14	1	0.00	17	0.00	17	0.00	1
289	Min.	0.00	1	0.00	1	-0.25	17	0.00	11	0.00	5	0.00	1
290	Max	0.00	1	0.00	1	-0.14	9	0.00	17	0.00	17	0.00	1
290	Min.	0.00	1	0.00	1	-0.28	17	0.00	11	0.00	5	0.00	1
291	Max	0.00	1	0.00	1	-0.14	9	0.00	17	0.00	17	0.00	1
291	Min.	0.00	1	0.00	1	-0.31	17	0.00	11	0.00	5	0.00	1
292	Max	0.00	1	0.00	1	-0.14	9	0.00	17	0.00	17	0.00	1
292	Min.	0.00	1	0.00	1	-0.33	17	0.00	11	0.00	7	0.00	1
293	Max	0.00	1	0.00	1	-0.14	11	0.00	17	0.00	17	0.00	1
293	Min.	0.00	1	0.00	1	-0.33	17	0.00	9	0.00	7	0.00	1
294	Max	0.00	1	0.00	1	-0.14	11	0.00	17	0.00	17	0.00	1
294	Min.	0.00	1	0.00	1	-0.33	17	0.00	9	0.00	7	0.00	1
295	Max	0.00	1	0.00	1	-0.14	5	0.00	17	0.00	1	0.00	1
295	Min.	0.00	1	0.00	1	-0.31	17	0.00	9	0.00	7	0.00	1
296	Max	0.00	1	0.00	1	-0.14	5	0.00	17	0.00	18	0.00	1
296	Min.	0.00	1	0.00	1	-0.28	17	0.00	9	0.00	7	0.00	1
297	Max	0.00	1	0.00	1	-0.13	7	0.00	17	0.00	17	0.00	1
297	Min.	0.00	1	0.00	1	-0.19	17	0.00	11	0.00	5	0.00	1
298	Max	0.00	1	0.00	1	-0.11	18	0.00	17	0.00	17	0.00	1
298	Min.	0.00	1	0.00	1	-0.16	1	0.00	11	0.00	5	0.00	1
299	Max	0.00	1	0.00	1	-0.09	18	0.00	17	0.00	17	0.00	1
299	Min.	0.00	1	0.00	1	-0.16	9	0.00	11	0.00	5	0.00	1
300	Max	0.00	1	0.00	1	-0.06	18	0.00	17	0.00	17	0.00	1
300	Min.	0.00	1	0.00	1	-0.16	9	0.00	11	0.00	5	0.00	1
301	Max	0.00	1	0.00	1	-0.05	17	0.00	17	0.00	17	0.00	1
301	Min.	0.00	1	0.00	1	-0.16	11	0.00	11	0.00	7	0.00	1
302	Max	0.00	1	0.00	1	-0.04	17	0.00	17	0.00	17	0.00	1
302	Min.	0.00	1	0.00	1	-0.16	11	0.00	9	0.00	7	0.00	1
303	Max	0.00	1	0.00	1	-0.05	17	0.00	17	0.00	17	0.00	1
303	Min.	0.00	1	0.00	1	-0.16	11	0.00	9	0.00	7	0.00	1
304	Max	0.00	1	0.00	1	-0.07	18	0.00	17	0.00	17	0.00	1
304	Min.	0.00	1	0.00	1	-0.16	5	0.00	9	0.00	7	0.00	1
305	Max	0.00	1	0.00	1	-0.09	18	0.00	17	0.00	17	0.00	1
305	Min.	0.00	1	0.00	1	-0.16	5	0.00	9	0.00	7	0.00	1
306	Max	0.00	1	0.00	1	-0.12	18	0.00	17	0.00	17	0.00	1
306	Min.	0.00	1	0.00	1	-0.16	7	0.00	11	0.00	7	0.00	1
307	Max	0.00	1	0.00	1	-0.13	1	0.00	17	0.00	17	0.00	1
307	Min.	0.00	1	0.00	1	-0.20	17	0.00	11	0.00	5	0.00	1
308	Max	0.00	1	0.00	1	-0.13	1	0.00	17	0.00	17	0.00	1
308	Min.	0.00	1	0.00	1	-0.24	17	0.00	11	0.00	5	0.00	1
309	Max	0.00	1	0.00	1	-0.13	9	0.00	17	0.00	17	0.00	1
309	Min.	0.00	1	0.00	1	-0.28	17	0.00	11	0.00	5	0.00	1
310	Max	0.00	1	0.00	1	-0.13	9	0.00	17	0.00	17	0.00	1
310	Min.	0.00	1	0.00	1	-0.31	17	0.00	11	0.00	5	0.00	1
311	Max	0.00	1	0.00	1	-0.13	11	0.00	17	0.00	17	0.00	1
311	Min.	0.00	1	0.00	1	-0.33	17	0.00	11	0.00	7	0.00	1
312	Max	0.00	1	0.00	1	-0.13	11	0.00	17	0.00	17	0.00	1
312	Min.	0.00	1	0.00	1	-0.34	17	0.00	9	0.00	7	0.00	1
313	Max	0.00	1	0.00	1	-0.13	11	0.00	17	0.00	1	0.00	1
313	Min.	0.00	1	0.00	1	-0.33	17	0.00	9	0.00	7	0.00	1
314	Max	0.00	1	0.00	1	-0.13	5	0.00	17	0.00	1	0.00	1
314	Min.	0.00	1	0.00	1	-0.31	17	0.00	9	0.00	7	0.00	1
315	Max	0.00	1	0.00	1	-0.13	5	0.00	17	0.00	1	0.00	1
315	Min.	0.00	1	0.00	1	-0.27	17	0.00	9	0.00	7	0.00	1
316	Max	0.00	1	0.00	1	-0.12	7	0.00	17	0.00	17	0.00	1
316	Min.	0.00	1	0.00	1	-0.17	17	0.00	11	0.00	5	0.00	1
317	Max	0.00	1	0.00	1	-0.10	18	0.00	17	0.00	17	0.00	1

317	Min.	0.00	1	0.00	1	-0.15	1	0.00	11	0.00	5	0.00	1
318	Max	0.00	1	0.00	1	-0.07	18	0.00	17	0.00	17	0.00	1
318	Min.	0.00	1	0.00	1	-0.15	9	0.00	11	0.00	5	0.00	1
319	Max	0.00	1	0.00	1	-0.04	17	0.00	17	0.00	17	0.00	1
319	Min.	0.00	1	0.00	1	-0.15	9	0.00	11	0.00	5	0.00	1
320	Max	0.00	1	0.00	1	-0.02	17	0.00	17	0.00	17	0.00	1
320	Min.	0.00	1	0.00	1	-0.15	11	0.00	11	0.00	7	0.00	1
321	Max	0.00	1	0.00	1	-0.01	17	0.00	17	0.00	17	0.00	1
321	Min.	0.00	1	0.00	1	-0.15	11	0.00	9	0.00	7	0.00	1
322	Max	0.00	1	0.00	1	-0.02	17	0.00	17	0.00	17	0.00	1
322	Min.	0.00	1	0.00	1	-0.15	11	0.00	9	0.00	7	0.00	1
323	Max	0.00	1	0.00	1	-0.05	17	0.00	17	0.00	17	0.00	1
323	Min.	0.00	1	0.00	1	-0.15	5	0.00	9	0.00	7	0.00	1
324	Max	0.00	1	0.00	1	-0.07	18	0.00	17	0.00	17	0.00	1
324	Min.	0.00	1	0.00	1	-0.15	5	0.00	9	0.00	7	0.00	1
325	Max	0.00	1	0.00	1	-0.10	18	0.00	17	0.00	17	0.00	1
325	Min.	0.00	1	0.00	1	-0.15	7	0.00	11	0.00	7	0.00	1
326	Max	0.00	1	0.00	1	-0.12	1	0.00	17	0.00	17	0.00	1
326	Min.	0.00	1	0.00	1	-0.18	17	0.00	11	0.00	5	0.00	1
327	Max	0.00	1	0.00	1	-0.12	1	0.00	17	0.00	17	0.00	1
327	Min.	0.00	1	0.00	1	-0.23	17	0.00	11	0.00	5	0.00	1
328	Max	0.00	1	0.00	1	-0.12	9	0.00	17	0.00	17	0.00	1
328	Min.	0.00	1	0.00	1	-0.28	17	0.00	11	0.00	5	0.00	1
329	Max	0.00	1	0.00	1	-0.12	9	0.00	17	0.00	17	0.00	1
329	Min.	0.00	1	0.00	1	-0.31	17	0.00	11	0.00	5	0.00	1
330	Max	0.00	1	0.00	1	-0.12	11	0.00	17	0.00	17	0.00	1
330	Min.	0.00	1	0.00	1	-0.34	17	0.00	11	0.00	7	0.00	1
331	Max	0.00	1	0.00	1	-0.12	11	0.00	17	0.00	17	0.00	1
331	Min.	0.00	1	0.00	1	-0.34	17	0.00	9	0.00	7	0.00	1
332	Max	0.00	1	0.00	1	-0.12	11	0.00	17	0.00	1	0.00	1
332	Min.	0.00	1	0.00	1	-0.33	17	0.00	9	0.00	7	0.00	1
333	Max	0.00	1	0.00	1	-0.12	5	0.00	17	0.00	1	0.00	1
333	Min.	0.00	1	0.00	1	-0.31	17	0.00	9	0.00	7	0.00	1
334	Max	0.00	1	0.00	1	-0.12	5	0.00	17	0.00	1	0.00	1
334	Min.	0.00	1	0.00	1	-0.27	17	0.00	9	0.00	7	0.00	1
335	Max	0.00	1	0.00	1	-0.10	7	0.00	17	0.00	17	0.00	1
335	Min.	0.00	1	0.00	1	-0.15	17	0.00	11	0.00	5	0.00	1
336	Max	0.00	1	0.00	1	-0.08	18	0.00	17	0.00	17	0.00	1
336	Min.	0.00	1	0.00	1	-0.14	1	0.00	11	0.00	5	0.00	1
337	Max	0.00	1	0.00	1	-0.05	18	0.00	17	0.00	17	0.00	1
337	Min.	0.00	1	0.00	1	-0.14	9	0.00	11	0.00	5	0.00	1
338	Max	0.00	1	0.00	1	-0.01	17	0.00	17	0.00	17	0.00	1
338	Min.	0.00	1	0.00	1	-0.14	9	0.00	11	0.00	5	0.00	1
339	Max	0.00	1	0.00	1	0.02	17	0.00	17	0.00	17	0.00	1
339	Min.	0.00	1	0.00	1	-0.14	11	0.00	11	0.00	7	0.00	1
340	Max	0.00	1	0.00	1	0.02	17	0.00	17	0.00	17	0.00	1
340	Min.	0.00	1	0.00	1	-0.14	11	0.00	9	0.00	7	0.00	1
341	Max	0.00	1	0.00	1	0.01	17	0.00	17	0.00	17	0.00	1
341	Min.	0.00	1	0.00	1	-0.14	11	0.00	9	0.00	7	0.00	1
342	Max	0.00	1	0.00	1	-0.02	17	0.00	17	0.00	17	0.00	1
342	Min.	0.00	1	0.00	1	-0.14	5	0.00	9	0.00	7	0.00	1
343	Max	0.00	1	0.00	1	-0.05	18	0.00	17	0.00	17	0.00	1
343	Min.	0.00	1	0.00	1	-0.14	5	0.00	9	0.00	7	0.00	1
344	Max	0.00	1	0.00	1	-0.09	18	0.00	17	0.00	17	0.00	1
344	Min.	0.00	1	0.00	1	-0.14	7	0.00	11	0.00	7	0.00	1
345	Max	0.00	1	0.00	1	-0.10	1	0.00	17	0.00	17	0.00	1
345	Min.	0.00	1	0.00	1	-0.16	17	0.00	11	0.00	5	0.00	1
346	Max	0.00	1	0.00	1	-0.11	1	0.00	17	0.00	17	0.00	1
346	Min.	0.00	1	0.00	1	-0.23	17	0.00	11	0.00	5	0.00	1
347	Max	0.00	1	0.00	1	-0.10	9	0.00	17	0.00	17	0.00	1
347	Min.	0.00	1	0.00	1	-0.27	17	0.00	11	0.00	5	0.00	1
348	Max	0.00	1	0.00	1	-0.10	9	0.00	17	0.00	17	0.00	1
348	Min.	0.00	1	0.00	1	-0.32	17	0.00	11	0.00	5	0.00	1
349	Max	0.00	1	0.00	1	-0.10	11	0.00	17	0.00	17	0.00	1
349	Min.	0.00	1	0.00	1	-0.33	17	0.00	11	0.00	7	0.00	1
350	Max	0.00	1	0.00	1	-0.10	11	0.00	17	0.00	17	0.00	1
350	Min.	0.00	1	0.00	1	-0.35	17	0.00	9	0.00	7	0.00	1
351	Max	0.00	1	0.00	1	-0.10	11	0.00	17	0.00	1	0.00	1
351	Min.	0.00	1	0.00	1	-0.33	17	0.00	9	0.00	7	0.00	1
352	Max	0.00	1	0.00	1	-0.11	5	0.00	17	0.00	1	0.00	1
352	Min.	0.00	1	0.00	1	-0.31	17	0.00	9	0.00	7	0.00	1
353	Max	0.00	1	0.00	1	-0.10	5	0.00	17	0.00	1	0.00	1
353	Min.	0.00	1	0.00	1	-0.26	17	0.00	9	0.00	7	0.00	1
354	Max	0.00	1	0.00	1	-0.09	7	0.00	17	0.00	17	0.00	1
354	Min.	0.00	1	0.00	1	-0.14	17	0.00	11	0.00	5	0.00	1
355	Max	0.00	1	0.00	1	-0.07	18	0.00	17	0.00	17	0.00	1
355	Min.	0.00	1	0.00	1	-0.13	1	0.00	11	0.00	5	0.00	1
356	Max	0.00	1	0.00	1	-0.02	17	0.00	17	0.00	17	0.00	1
356	Min.	0.00	1	0.00	1	-0.13	9	0.00	11	0.00	5	0.00	1

357	Max	0.00	1	0.00	1	0.02	17	0.00	17	0.00	17	0.00	1
357	Min.	0.00	1	0.00	1	-0.14	9	0.00	11	0.00	5	0.00	1
358	Max	0.00	1	0.00	1	0.05	17	0.00	17	0.00	17	0.00	1
358	Min.	0.00	1	0.00	1	-0.13	11	0.00	11	0.00	7	0.00	1
359	Max	0.00	1	0.00	1	0.06	17	0.00	17	0.00	17	0.00	1
359	Min.	0.00	1	0.00	1	-0.14	11	0.00	9	0.00	7	0.00	1
360	Max	0.00	1	0.00	1	0.04	17	0.00	17	0.00	17	0.00	1
360	Min.	0.00	1	0.00	1	-0.13	11	0.00	9	0.00	7	0.00	1
361	Max	0.00	1	0.00	1	0.01	17	0.00	17	0.00	17	0.00	1
361	Min.	0.00	1	0.00	1	-0.13	5	0.00	9	0.00	7	0.00	1
362	Max	0.00	1	0.00	1	-0.03	17	0.00	17	0.00	17	0.00	1
362	Min.	0.00	1	0.00	1	-0.14	5	0.00	9	0.00	7	0.00	1
363	Max	0.00	1	0.00	1	-0.08	18	0.00	17	0.00	17	0.00	1
363	Min.	0.00	1	0.00	1	-0.14	7	0.00	11	0.00	7	0.00	1
364	Max	0.00	1	0.00	1	-0.09	1	0.00	17	0.00	17	0.00	1
364	Min.	0.00	1	0.00	1	-0.15	17	0.00	11	0.00	5	0.00	1
365	Max	0.00	1	0.00	1	-0.09	1	0.00	17	0.00	17	0.00	1
365	Min.	0.00	1	0.00	1	-0.22	17	0.00	11	0.00	5	0.00	1
366	Max	0.00	1	0.00	1	-0.09	9	0.00	17	0.00	17	0.00	1
366	Min.	0.00	1	0.00	1	-0.27	17	0.00	11	0.00	5	0.00	1
367	Max	0.00	1	0.00	1	-0.09	9	0.00	17	0.00	17	0.00	1
367	Min.	0.00	1	0.00	1	-0.32	17	0.00	11	0.00	5	0.00	1
368	Max	0.00	1	0.00	1	-0.09	11	0.00	17	0.00	17	0.00	1
368	Min.	0.00	1	0.00	1	-0.34	17	0.00	11	0.00	7	0.00	1
369	Max	0.00	1	0.00	1	-0.09	11	0.00	17	0.00	17	0.00	1
369	Min.	0.00	1	0.00	1	-0.35	17	0.00	9	0.00	7	0.00	1
370	Max	0.00	1	0.00	1	-0.09	11	0.00	17	0.00	1	0.00	1
370	Min.	0.00	1	0.00	1	-0.34	17	0.00	9	0.00	7	0.00	1
371	Max	0.00	1	0.00	1	-0.09	5	0.00	17	0.00	1	0.00	1
371	Min.	0.00	1	0.00	1	-0.31	17	0.00	9	0.00	7	0.00	1
372	Max	0.00	1	0.00	1	-0.09	5	0.00	17	0.00	1	0.00	1
372	Min.	0.00	1	0.00	1	-0.26	17	0.00	9	0.00	7	0.00	1

Min = -554.10
Max = 180.78

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
-55	Max	273270.00	17	448721.00	17	0.00	17	0.00	3	0.00	17	34104.80	9
-55	Min.	-33749.50	11	-26398.80	9	0.00	11	0.00	17	0.00	15	-520574.00	17
-54	Max	368913.00	17	199934.00	17	0.00	5	0.00	17	0.00	17	32194.70	9
-54	Min.	-37414.00	9	-16068.10	1	0.00	17	0.00	18	0.00	11	-386852.00	17
-53	Max	298416.00	17	37411.40	7	0.00	17	0.00	17	0.00	17	32196.60	1
-53	Min.	-37622.40	9	-55767.80	17	0.00	5	0.00	11	0.00	1	-215482.00	17
-52	Max	90073.50	17	33739.30	5	0.00	11	0.00	17	0.00	18	34104.90	1
-52	Min.	-37733.90	1	-218992.00	17	0.00	17	0.00	1	0.00	7	-34130.00	7
-51	Max	32429.10	5	31980.90	9	0.00	17	0.00	17	0.00	17	171069.00	17
-51	Min.	-174698.00	17	-226171.00	17	0.00	18	0.00	11	0.00	3	-32700.40	5
-50	Max	37750.20	5	33749.50	1	0.00	15	0.00	13	0.00	17	348410.00	17
-50	Min.	-392643.00	17	-73976.10	17	0.00	17	0.00	17	0.00	5	-34129.90	5
-49	Max	37634.40	11	179372.00	17	0.00	3	0.00	1	0.00	9	491429.00	17
-49	Min.	-478314.00	17	-7773.37	5	0.00	17	0.00	17	0.00	17	-32219.70	5
-48	Max	37411.40	11	436331.00	17	0.00	1	0.00	17	0.00	18	586124.00	17
-48	Min.	-396922.00	17	-16096.80	5	0.00	17	0.00	15	0.00	5	-32221.70	11
-47	Max	33739.30	9	597385.00	17	0.00	9	0.00	11	0.00	7	623229.00	17
-47	Min.	-177831.00	17	-26430.40	11	0.00	17	0.00	17	0.00	17	-34130.00	11
-46	Max	96492.50	17	599180.00	17	0.00	18	0.00	17	0.00	17	599111.00	17
-46	Min.	4675.44	5	-32429.10	9	0.00	17	0.00	11	0.00	18	-32700.40	9
-45	Max	321859.00	17	438908.00	17	0.00	3	0.00	17	0.00	17	516128.00	17
-45	Min.	1104.82	11	-37750.20	9	0.00	17	0.00	3	0.00	3	-34129.90	9
-44	Max	412091.00	17	175587.00	17	0.00	18	0.00	13	0.00	15	382407.00	17
-44	Min.	-7773.37	9	-37634.40	1	0.00	5	0.00	17	0.00	17	-32219.70	9
-43	Max	331957.00	17	7741.22	7	0.00	17	0.00	17	0.00	17	211036.00	17
-43	Min.	-16096.80	9	-92266.00	17	0.00	11	0.00	9	0.00	3	-32221.70	1
-42	Max	110695.00	17	-1130.53	5	0.00	17	0.00	11	0.00	9	34104.90	7
-42	Min.	-26430.40	1	-264069.00	17	0.00	13	0.00	17	0.00	17	-34130.00	1
-41	Max	32404.00	5	-4675.45	9	0.00	5	0.00	9	0.00	17	32675.30	5
-41	Min.	-169015.00	17	-275414.00	17	0.00	17	0.00	17	0.00	15	-175515.00	17

-40	Max	26398.80	5	-1104.85	1	0.00	17	0.00	17	0.00	1	34104.80	5
-40	Min.	-402455.00	17	-122565.00	17	0.00	5	0.00	9	0.00	17	-352856.00	17
-39	Max	16068.10	11	136194.00	17	0.00	17	0.00	17	0.00	7	32194.70	5
-39	Min.	-502661.00	17	-37414.00	5	0.00	11	0.00	11	0.00	18	-495874.00	17
-38	Max	7741.22	11	402790.00	17	0.00	18	0.00	17	0.00	17	32196.70	11
-38	Min.	-433420.00	17	-37622.40	5	0.00	17	0.00	9	0.00	5	-590570.00	17
-37	Max	-1130.51	9	576764.00	17	0.00	18	0.00	17	0.00	1	34104.90	11
-37	Min.	-222907.00	17	-37733.90	11	0.00	17	0.00	15	0.00	17	-627675.00	17
-1	Max	47249.50	17	593497.00	17	0.00	17	0.00	9	0.00	17	32675.30	9
-1	Min.	-31980.90	5	-32404.00	9	0.00	7	0.00	17	0.00	1	-603556.00	17
1	Max	0.00	1	0.00	1	0.00	18	0.00	9	0.00	17	0.00	1
1	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	1	0.00	1
2	Max	0.00	1	0.00	1	0.00	18	0.00	9	0.00	17	0.00	1
2	Min.	0.00	1	0.00	1	0.00	17	0.00	18	0.00	3	0.00	1
111	Max	966699.00	17	178862.00	11	0.00	18	0.00	17	0.00	1	-252.64	1
111	Min.	-178861.00	7	-3297830.00	17	0.00	3	0.00	13	0.00	17	-53091.70	17
249	Max	0.00	1	0.00	1	0.00	3	0.00	11	0.00	1	0.00	1
249	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
250	Max	0.00	1	0.00	1	0.00	15	0.00	15	0.00	17	0.00	1
250	Min.	0.00	1	0.00	1	0.00	17	0.00	9	0.00	5	0.00	1
251	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	9	0.00	1
251	Min.	0.00	1	0.00	1	0.00	18	0.00	9	0.00	17	0.00	1
252	Max	0.00	1	0.00	1	0.00	17	0.00	18	0.00	17	0.00	1
252	Min.	0.00	1	0.00	1	0.00	11	0.00	15	0.00	5	0.00	1
253	Max	0.00	1	0.00	1	0.00	17	0.00	1	0.00	5	0.00	1
253	Min.	0.00	1	0.00	1	0.00	9	0.00	17	0.00	17	0.00	1
254	Max	0.00	1	0.00	1	0.00	11	0.00	17	0.00	17	0.00	1
254	Min.	0.00	1	0.00	1	0.00	17	0.00	9	0.00	3	0.00	1
255	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
255	Min.	0.00	1	0.00	1	0.00	15	0.00	9	0.00	3	0.00	1
256	Max	0.00	1	0.00	1	0.00	17	0.00	9	0.00	3	0.00	1
256	Min.	0.00	1	0.00	1	0.00	5	0.00	17	0.00	17	0.00	1
257	Max	0.00	1	0.00	1	0.00	5	0.00	3	0.00	17	0.00	1
257	Min.	0.00	1	0.00	1	0.00	18	0.00	17	0.00	3	0.00	1
258	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
258	Min.	0.00	1	0.00	1	0.00	18	0.00	15	0.00	7	0.00	1
259	Max	0.00	1	0.00	1	0.00	17	0.00	11	0.00	11	0.00	1
259	Min.	0.00	1	0.00	1	0.00	18	0.00	17	0.00	17	0.00	1
260	Max	0.00	1	0.00	1	0.00	18	0.00	15	0.00	3	0.00	1
260	Min.	0.00	1	0.00	1	0.00	3	0.00	18	0.00	5	0.00	1
261	Max	0.00	1	0.00	1	0.00	18	0.00	17	0.00	17	0.00	1
261	Min.	0.00	1	0.00	1	0.00	17	0.00	9	0.00	9	0.00	1
262	Max	0.00	1	0.00	1	0.00	11	0.00	9	0.00	11	0.00	1
262	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
263	Max	0.00	1	0.00	1	0.00	18	0.00	17	0.00	9	0.00	1
263	Min.	0.00	1	0.00	1	0.00	17	0.00	13	0.00	17	0.00	1
264	Max	0.00	1	0.00	1	0.00	5	0.00	9	0.00	18	0.00	1
264	Min.	0.00	1	0.00	1	0.00	17	0.00	15	0.00	17	0.00	1
265	Max	0.00	1	0.00	1	0.00	1	0.00	17	0.00	1	0.00	1
265	Min.	0.00	1	0.00	1	0.00	17	0.00	11	0.00	17	0.00	1
266	Max	0.00	1	0.00	1	0.00	17	0.00	11	0.00	17	0.00	1
266	Min.	0.00	1	0.00	1	0.00	18	0.00	17	0.00	5	0.00	1
267	Max	0.00	1	0.00	1	0.00	18	0.00	17	0.00	3	0.00	1
267	Min.	0.00	1	0.00	1	0.00	17	0.00	15	0.00	17	0.00	1
273	Max	0.00	1	0.00	1	0.00	7	0.00	17	0.00	1	0.00	1
273	Min.	0.00	1	0.00	1	0.00	17	0.00	9	0.00	17	0.00	1
274	Max	0.00	1	0.00	1	0.00	7	0.00	17	0.00	1	0.00	1
274	Min.	0.00	1	0.00	1	0.00	17	0.00	15	0.00	5	0.00	1
275	Max	0.00	1	0.00	1	0.00	18	0.00	18	0.00	17	0.00	1
275	Min.	0.00	1	0.00	1	0.00	5	0.00	5	0.00	7	0.00	1
276	Max	0.00	1	0.00	1	0.00	5	0.00	17	0.00	3	0.00	1
276	Min.	0.00	1	0.00	1	0.00	17	0.00	15	0.00	17	0.00	1
277	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
277	Min.	0.00	1	0.00	1	0.00	7	0.00	5	0.00	1	0.00	1
278	Max	0.00	1	0.00	1	0.00	5	0.00	11	0.00	18	0.00	1
278	Min.	0.00	1	0.00	1	0.00	3	0.00	17	0.00	1	0.00	1
279	Max	0.00	1	0.00	1	0.00	3	0.00	1	0.00	1	0.00	1
279	Min.	0.00	1	0.00	1	0.00	5	0.00	17	0.00	17	0.00	1
280	Max	0.00	1	0.00	1	0.00	17	0.00	9	0.00	17	0.00	1
280	Min.	0.00	1	0.00	1	0.00	13	0.00	17	0.00	3	0.00	1
281	Max	0.00	1	0.00	1	0.00	15	0.00	17	0.00	17	0.00	1
281	Min.	0.00	1	0.00	1	0.00	18	0.00	7	0.00	3	0.00	1
282	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	5	0.00	1
282	Min.	0.00	1	0.00	1	0.00	18	0.00	11	0.00	17	0.00	1
283	Max	0.00	1	0.00	1	0.00	17	0.00	1	0.00	5	0.00	1
283	Min.	0.00	1	0.00	1	0.00	13	0.00	17	0.00	17	0.00	1
284	Max	0.00	1	0.00	1	0.00	9	0.00	17	0.00	18	0.00	1
284	Min.	0.00	1	0.00	1	0.00	17	0.00	11	0.00	17	0.00	1
285	Max	0.00	1	0.00	1	0.00	3	0.00	17	0.00	13	0.00	1

285	Min.	0.00	1	0.00	1	0.00	17	0.00	9	0.00	17	0.00	1
286	Max	0.00	1	0.00	1	0.00	3	0.00	17	0.00	3	0.00	1
286	Min.	0.00	1	0.00	1	0.00	18	0.00	15	0.00	18	0.00	1
287	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
287	Min.	0.00	1	0.00	1	0.00	18	0.00	5	0.00	7	0.00	1
288	Max	0.00	1	0.00	1	0.00	18	0.00	11	0.00	17	0.00	1
288	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	18	0.00	1
289	Max	0.00	1	0.00	1	0.00	17	0.00	9	0.00	7	0.00	1
289	Min.	0.00	1	0.00	1	0.00	1	0.00	17	0.00	17	0.00	1
290	Max	0.00	1	0.00	1	0.00	15	0.00	17	0.00	17	0.00	1
290	Min.	0.00	1	0.00	1	0.00	17	0.00	15	0.00	11	0.00	1
291	Max	0.00	1	0.00	1	0.00	9	0.00	5	0.00	1	0.00	1
291	Min.	0.00	1	0.00	1	0.00	15	0.00	17	0.00	17	0.00	1
292	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	5	0.00	1
292	Min.	0.00	1	0.00	1	0.00	13	0.00	11	0.00	1	0.00	1
293	Max	0.00	1	0.00	1	0.00	9	0.00	3	0.00	5	0.00	1
293	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
294	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	5	0.00	1
294	Min.	0.00	1	0.00	1	0.00	18	0.00	3	0.00	3	0.00	1
295	Max	0.00	1	0.00	1	0.00	13	0.00	18	0.00	17	0.00	1
295	Min.	0.00	1	0.00	1	0.00	17	0.00	9	0.00	7	0.00	1
296	Max	0.00	1	0.00	1	0.00	18	0.00	15	0.00	11	0.00	1
296	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
297	Max	0.00	1	0.00	1	0.00	1	0.00	5	0.00	17	0.00	1
297	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	7	0.00	1
298	Max	0.00	1	0.00	1	0.00	9	0.00	11	0.00	7	0.00	1
298	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
299	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
299	Min.	0.00	1	0.00	1	0.00	11	0.00	11	0.00	5	0.00	1
300	Max	0.00	1	0.00	1	0.00	18	0.00	17	0.00	7	0.00	1
300	Min.	0.00	1	0.00	1	0.00	5	0.00	9	0.00	17	0.00	1
301	Max	0.00	1	0.00	1	0.00	11	0.00	15	0.00	1	0.00	1
301	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
302	Max	0.00	1	0.00	1	0.00	11	0.00	17	0.00	17	0.00	1
302	Min.	0.00	1	0.00	1	0.00	18	0.00	15	0.00	1	0.00	1
303	Max	0.00	1	0.00	1	0.00	17	0.00	13	0.00	17	0.00	1
303	Min.	0.00	1	0.00	1	0.00	1	0.00	17	0.00	7	0.00	1
304	Max	0.00	1	0.00	1	0.00	7	0.00	17	0.00	17	0.00	1
304	Min.	0.00	1	0.00	1	0.00	17	0.00	15	0.00	15	0.00	1
305	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	11	0.00	1
305	Min.	0.00	1	0.00	1	0.00	1	0.00	9	0.00	17	0.00	1
306	Max	0.00	1	0.00	1	0.00	18	0.00	17	0.00	3	0.00	1
306	Min.	0.00	1	0.00	1	0.00	7	0.00	5	0.00	17	0.00	1
307	Max	0.00	1	0.00	1	0.00	18	0.00	17	0.00	13	0.00	1
307	Min.	0.00	1	0.00	1	0.00	3	0.00	9	0.00	17	0.00	1
308	Max	0.00	1	0.00	1	0.00	17	0.00	15	0.00	18	0.00	1
308	Min.	0.00	1	0.00	1	0.00	5	0.00	17	0.00	9	0.00	1
309	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	7	0.00	1
309	Min.	0.00	1	0.00	1	0.00	7	0.00	3	0.00	17	0.00	1
310	Max	0.00	1	0.00	1	0.00	11	0.00	15	0.00	17	0.00	1
310	Min.	0.00	1	0.00	1	0.00	17	0.00	18	0.00	15	0.00	1
311	Max	0.00	1	0.00	1	0.00	15	0.00	13	0.00	7	0.00	1
311	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
312	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	9	0.00	1
312	Min.	0.00	1	0.00	1	0.00	18	0.00	15	0.00	17	0.00	1
313	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	18	0.00	1
313	Min.	0.00	1	0.00	1	0.00	1	0.00	7	0.00	11	0.00	1
314	Max	0.00	1	0.00	1	0.00	13	0.00	11	0.00	1	0.00	1
314	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
315	Max	0.00	1	0.00	1	0.00	17	0.00	9	0.00	1	0.00	1
315	Min.	0.00	1	0.00	1	0.00	9	0.00	17	0.00	17	0.00	1
316	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	18	0.00	1
316	Min.	0.00	1	0.00	1	0.00	3	0.00	9	0.00	1	0.00	1
317	Max	0.00	1	0.00	1	0.00	17	0.00	11	0.00	5	0.00	1
317	Min.	0.00	1	0.00	1	0.00	15	0.00	17	0.00	18	0.00	1
318	Max	0.00	1	0.00	1	0.00	3	0.00	17	0.00	7	0.00	1
318	Min.	0.00	1	0.00	1	0.00	17	0.00	11	0.00	17	0.00	1
319	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	18	0.00	1
319	Min.	0.00	1	0.00	1	0.00	9	0.00	13	0.00	9	0.00	1
320	Max	0.00	1	0.00	1	0.00	18	0.00	17	0.00	5	0.00	1
320	Min.	0.00	1	0.00	1	0.00	9	0.00	13	0.00	18	0.00	1
321	Max	0.00	1	0.00	1	0.00	9	0.00	18	0.00	17	0.00	1
321	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	1	0.00	1
322	Max	0.00	1	0.00	1	0.00	7	0.00	9	0.00	3	0.00	1
322	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
323	Max	0.00	1	0.00	1	0.00	17	0.00	1	0.00	1	0.00	1
323	Min.	0.00	1	0.00	1	0.00	13	0.00	17	0.00	17	0.00	1
324	Max	0.00	1	0.00	1	0.00	18	0.00	1	0.00	17	0.00	1
324	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	3	0.00	1

325	Max	0.00	1	0.00	1	0.00	7	0.00	9	0.00	5	0.00	1
325	Min.	0.00	1	0.00	1	0.00	17	0.00	18	0.00	17	0.00	1
326	Max	0.00	1	0.00	1	0.00	3	0.00	5	0.00	1	0.00	1
326	Min.	0.00	1	0.00	1	0.00	17	0.00	18	0.00	17	0.00	1
327	Max	0.00	1	0.00	1	0.00	17	0.00	5	0.00	13	0.00	1
327	Min.	0.00	1	0.00	1	0.00	1	0.00	17	0.00	17	0.00	1
328	Max	0.00	1	0.00	1	0.00	17	0.00	13	0.00	18	0.00	1
328	Min.	0.00	1	0.00	1	0.00	1	0.00	17	0.00	7	0.00	1
329	Max	0.00	1	0.00	1	0.00	11	0.00	17	0.00	1	0.00	1
329	Min.	0.00	1	0.00	1	0.00	18	0.00	9	0.00	18	0.00	1
330	Max	0.00	1	0.00	1	0.00	17	0.00	18	0.00	17	0.00	1
330	Min.	0.00	1	0.00	1	0.00	15	0.00	11	0.00	3	0.00	1
331	Max	0.00	1	0.00	1	0.00	15	0.00	15	0.00	5	0.00	1
331	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
332	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	18	0.00	1
332	Min.	0.00	1	0.00	1	0.00	11	0.00	13	0.00	7	0.00	1
333	Max	0.00	1	0.00	1	0.00	1	0.00	13	0.00	13	0.00	1
333	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
334	Max	0.00	1	0.00	1	0.00	17	0.00	13	0.00	3	0.00	1
334	Min.	0.00	1	0.00	1	0.00	5	0.00	18	0.00	17	0.00	1
335	Max	0.00	1	0.00	1	414667.00	17	-1097.68	11	8112.45	5	0.00	1
335	Min.	0.00	1	0.00	1	303355.00	7	-26041.20	17	2627.48	17	0.00	1
336	Max	0.00	1	0.00	1	0.00	7	0.00	15	0.00	17	0.00	1
336	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	1	0.00	1
337	Max	0.00	1	0.00	1	355638.00	9	-5121.00	11	5627.01	5	0.00	1
337	Min.	0.00	1	0.00	1	128197.00	18	-26883.30	17	-3817.67	17	0.00	1
338	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
338	Min.	0.00	1	0.00	1	0.00	11	0.00	15	0.00	3	0.00	1
339	Max	0.00	1	0.00	1	356016.00	11	-6789.77	11	1252.88	7	0.00	1
339	Min.	0.00	1	0.00	1	-42046.60	17	-24836.60	17	-6610.20	17	0.00	1
340	Max	0.00	1	0.00	1	0.00	13	0.00	11	0.00	17	0.00	1
340	Min.	0.00	1	0.00	1	0.00	17	0.00	13	0.00	1	0.00	1
341	Max	0.00	1	0.00	1	355636.00	11	-5121.25	9	-3302.50	7	0.00	1
341	Min.	0.00	1	0.00	1	-31459.30	17	-24641.10	17	-7773.65	17	0.00	1
342	Max	0.00	1	0.00	1	0.00	13	0.00	9	0.00	17	0.00	1
342	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	11	0.00	1
343	Max	0.00	1	0.00	1	357143.00	5	-1097.85	9	-6335.92	7	0.00	1
343	Min.	0.00	1	0.00	1	146676.00	18	-24655.50	17	-11582.90	17	0.00	1
344	Max	0.00	1	0.00	1	0.00	1	0.00	17	0.00	3	0.00	1
344	Min.	0.00	1	0.00	1	0.00	17	0.00	11	0.00	17	0.00	1
345	Max	0.00	1	0.00	1	448930.00	17	3596.97	11	-6336.14	5	0.00	1
345	Min.	0.00	1	0.00	1	303355.00	1	-19855.80	17	-16409.50	17	0.00	1
346	Max	0.00	1	0.00	1	0.00	3	0.00	18	0.00	17	0.00	1
346	Min.	0.00	1	0.00	1	0.00	17	0.00	15	0.00	5	0.00	1
347	Max	0.00	1	0.00	1	735238.00	17	7169.74	11	-3302.73	5	0.00	1
347	Min.	0.00	1	0.00	1	304858.00	9	-10689.50	17	-15583.30	17	0.00	1
348	Max	0.00	1	0.00	1	0.00	17	0.00	11	0.00	17	0.00	1
348	Min.	0.00	1	0.00	1	0.00	15	0.00	17	0.00	9	0.00	1
349	Max	0.00	1	0.00	1	905643.00	17	8402.41	11	1252.87	7	0.00	1
349	Min.	0.00	1	0.00	1	304481.00	11	-4819.89	17	-6610.33	17	0.00	1
350	Max	0.00	1	0.00	1	0.00	17	0.00	15	0.00	3	0.00	1
350	Min.	0.00	1	0.00	1	0.00	5	0.00	17	0.00	17	0.00	1
351	Max	0.00	1	0.00	1	895055.00	17	7169.50	9	5627.23	7	0.00	1
351	Min.	0.00	1	0.00	1	304860.00	11	-8447.11	17	3211.88	18	0.00	1
352	Max	0.00	1	0.00	1	0.00	3	0.00	17	0.00	17	0.00	1
352	Min.	0.00	1	0.00	1	0.00	5	0.00	3	0.00	13	0.00	1
353	Max	0.00	1	0.00	1	707520.00	17	3596.82	9	8112.67	7	0.00	1
353	Min.	0.00	1	0.00	1	303355.00	5	-18469.80	17	5860.38	18	0.00	1
354	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	7	0.00	1
354	Min.	0.00	1	0.00	1	0.00	3	0.00	5	0.00	17	0.00	1
355	Max	0.00	1	0.00	1	0.00	18	0.00	9	0.00	1	0.00	1
355	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
356	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	18	0.00	1
356	Min.	0.00	1	0.00	1	0.00	7	0.00	9	0.00	17	0.00	1
357	Max	0.00	1	0.00	1	0.00	15	0.00	18	0.00	17	0.00	1
357	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	13	0.00	1
358	Max	0.00	1	0.00	1	0.00	17	0.00	13	0.00	17	0.00	1
358	Min.	0.00	1	0.00	1	0.00	18	0.00	17	0.00	18	0.00	1
359	Max	0.00	1	0.00	1	0.00	3	0.00	17	0.00	17	0.00	1
359	Min.	0.00	1	0.00	1	0.00	17	0.00	9	0.00	11	0.00	1
360	Max	0.00	1	0.00	1	0.00	17	0.00	3	0.00	13	0.00	1
360	Min.	0.00	1	0.00	1	0.00	13	0.00	5	0.00	17	0.00	1
361	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
361	Min.	0.00	1	0.00	1	0.00	1	0.00	1	0.00	3	0.00	1
362	Max	0.00	1	0.00	1	0.00	7	0.00	17	0.00	3	0.00	1
362	Min.	0.00	1	0.00	1	0.00	17	0.00	9	0.00	17	0.00	1
363	Max	0.00	1	0.00	1	0.00	17	0.00	9	0.00	17	0.00	1
363	Min.	0.00	1	0.00	1	0.00	5	0.00	17	0.00	1	0.00	1
364	Max	0.00	1	0.00	1	0.00	15	0.00	13	0.00	5	0.00	1

364	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
365	Max	0.00	1	0.00	1	0.00	7	0.00	3	0.00	1	0.00	1
365	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
366	Max	0.00	1	0.00	1	0.00	5	0.00	17	0.00	17	0.00	1
366	Min.	0.00	1	0.00	1	0.00	17	0.00	9	0.00	7	0.00	1
367	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	1	0.00	1
367	Min.	0.00	1	0.00	1	0.00	13	0.00	3	0.00	17	0.00	1
368	Max	0.00	1	0.00	1	0.00	17	0.00	13	0.00	5	0.00	1
368	Min.	0.00	1	0.00	1	0.00	5	0.00	17	0.00	17	0.00	1
369	Max	0.00	1	0.00	1	0.00	9	0.00	9	0.00	15	0.00	1
369	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
370	Max	0.00	1	0.00	1	0.00	17	0.00	7	0.00	9	0.00	1
370	Min.	0.00	1	0.00	1	0.00	11	0.00	17	0.00	17	0.00	1
371	Max	0.00	1	0.00	1	0.00	3	0.00	9	0.00	5	0.00	1
371	Min.	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
372	Max	0.00	1	0.00	1	0.00	17	0.00	17	0.00	17	0.00	1
372	Min.	0.00	1	0.00	1	0.00	5	0.00	9	0.00	5	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	Nodo		σ_t <daN/cmq>	CC	Nodo		σ_t <daN/cmq>	CC	Nodo		σ_t <daN/cmq>	CC
-55	Max	0.14	17	-55	Min.	0.08	5	-54	Max	0.15	17	-54	Min.	0.08	5
-53	Max	0.15	17	-53	Min.	0.08	11	-52	Max	0.16	17	-52	Min.	0.08	11
-51	Max	0.15	17	-51	Min.	0.08	9	-50	Max	0.15	17	-50	Min.	0.08	9
-49	Max	0.14	17	-49	Min.	0.08	9	-48	Max	0.13	17	-48	Min.	0.08	1
-47	Max	0.11	17	-47	Min.	0.08	1	-46	Max	0.10	17	-46	Min.	0.08	18
-45	Max	0.09	17	-45	Min.	0.07	18	-44	Max	0.09	5	-44	Min.	0.06	18
-43	Max	0.09	11	-43	Min.	0.06	18	-42	Max	0.09	11	-42	Min.	0.06	18
-41	Max	0.09	9	-41	Min.	0.06	18	-40	Max	0.09	9	-40	Min.	0.06	18
-39	Max	0.09	9	-39	Min.	0.07	18	-38	Max	0.10	17	-38	Min.	0.08	18
-37	Max	0.11	17	-37	Min.	0.08	7	-1	Max	0.12	17	-1	Min.	0.08	5
1	Max	0.11	17	1	Min.	0.09	1	2	Max	0.12	17	2	Min.	0.08	5
249	Max	0.11	17	249	Min.	0.08	7	250	Max	0.09	17	250	Min.	0.07	18
251	Max	0.09	9	251	Min.	0.06	18	252	Max	0.09	9	252	Min.	0.06	18
253	Max	0.09	9	253	Min.	0.05	18	254	Max	0.09	11	254	Min.	0.05	18
255	Max	0.09	11	255	Min.	0.05	18	256	Max	0.09	5	256	Min.	0.06	18
257	Max	0.09	5	257	Min.	0.07	18	258	Max	0.10	17	258	Min.	0.07	18
259	Max	0.11	17	259	Min.	0.08	1	260	Max	0.13	17	260	Min.	0.08	1
261	Max	0.14	17	261	Min.	0.08	9	262	Max	0.15	17	262	Min.	0.08	9
263	Max	0.16	17	263	Min.	0.08	9	264	Max	0.16	17	264	Min.	0.08	11
265	Max	0.16	17	265	Min.	0.08	11	266	Max	0.15	17	266	Min.	0.08	5
267	Max	0.14	17	267	Min.	0.08	5	273	Max	0.12	17	273	Min.	0.08	5
274	Max	0.12	17	274	Min.	0.07	7	275	Max	0.11	17	275	Min.	0.06	7
276	Max	0.11	17	276	Min.	0.06	7	277	Max	0.10	17	277	Min.	0.05	7
278	Max	0.10	17	278	Min.	0.08	7	279	Max	0.08	1	279	Min.	0.06	18
280	Max	0.08	9	280	Min.	0.05	18	281	Max	0.08	9	281	Min.	0.04	18
282	Max	0.08	9	282	Min.	0.04	18	283	Max	0.08	11	283	Min.	0.04	18
284	Max	0.08	11	284	Min.	0.04	18	285	Max	0.08	5	285	Min.	0.05	18
286	Max	0.08	5	286	Min.	0.06	18	287	Max	0.09	17	287	Min.	0.07	18
288	Max	0.11	17	288	Min.	0.08	1	289	Max	0.13	17	289	Min.	0.08	1
290	Max	0.14	17	290	Min.	0.08	9	291	Max	0.16	17	291	Min.	0.08	9
292	Max	0.17	17	292	Min.	0.08	9	293	Max	0.17	17	293	Min.	0.08	11
294	Max	0.17	17	294	Min.	0.08	11	295	Max	0.16	17	295	Min.	0.08	5
296	Max	0.14	17	296	Min.	0.08	5	297	Max	0.09	17	297	Min.	0.07	7
298	Max	0.08	1	298	Min.	0.06	18	299	Max	0.08	9	299	Min.	0.04	18
300	Max	0.08	9	300	Min.	0.03	18	301	Max	0.08	11	301	Min.	0.02	17
302	Max	0.08	11	302	Min.	0.02	17	303	Max	0.08	11	303	Min.	0.03	17
304	Max	0.08	5	304	Min.	0.03	18	305	Max	0.08	5	305	Min.	0.05	18
306	Max	0.08	7	306	Min.	0.06	18	307	Max	0.10	17	307	Min.	0.07	1
308	Max	0.12	17	308	Min.	0.07	1	309	Max	0.14	17	309	Min.	0.07	9
310	Max	0.16	17	310	Min.	0.07	9	311	Max	0.17	17	311	Min.	0.07	11
312	Max	0.17	17	312	Min.	0.07	11	313	Max	0.17	17	313	Min.	0.07	11
314	Max	0.16	17	314	Min.	0.07	5	315	Max	0.14	17	315	Min.	0.07	5
316	Max	0.09	17	316	Min.	0.06	7	317	Max	0.07	1	317	Min.	0.05	18
318	Max	0.07	9	318	Min.	0.03	18	319	Max	0.07	9	319	Min.	0.02	17
320	Max	0.07	11	320	Min.	0.01	17	321	Max	0.07	11	321	Min.	0.01	17
322	Max	0.07	11	322	Min.	0.01	17	323	Max	0.07	5	323	Min.	0.02	17
324	Max	0.07	5	324	Min.	0.04	18	325	Max	0.07	7	325	Min.	0.05	18
326	Max	0.09	17	326	Min.	0.06	1	327	Max	0.12	17	327	Min.	0.06	1
328	Max	0.14	17	328	Min.	0.06	9	329	Max	0.16	17	329	Min.	0.06	9
330	Max	0.17	17	330	Min.	0.06	11	331	Max	0.17	17	331	Min.	0.06	11
332	Max	0.17	17	332	Min.	0.06	11	333	Max	0.16	17	333	Min.	0.06	5
334	Max	0.14	17	334	Min.	0.06	5	335	Max	0.08	17	335	Min.	0.06	7

336	Max	0.07	1	336	Min.	0.04	18	337	Max	0.07	9	337	Min.	0.02	18	338	Max	0.07	9
338	Min.	0.00	17	339	Max	0.07	11	339	Min.	-0.01	17	340	Max	0.07	11	340	Min.	-0.01	17
341	Max	0.07	11	341	Min.	-0.01	17	342	Max	0.07	5	342	Min.	0.01	17	343	Max	0.07	5
343	Min.	0.03	18	344	Max	0.07	7	344	Min.	0.05	18	345	Max	0.08	17	345	Min.	0.06	1
346	Max	0.12	17	346	Min.	0.06	1	347	Max	0.14	17	347	Min.	0.06	9	348	Max	0.16	17
348	Min.	0.06	9	349	Max	0.17	17	349	Min.	0.06	11	350	Max	0.18	17	350	Min.	0.06	11
351	Max	0.17	17	351	Min.	0.06	11	352	Max	0.16	17	352	Min.	0.06	5	353	Max	0.13	17
353	Min.	0.06	5	354	Max	0.07	17	354	Min.	0.05	7	355	Max	0.06	1	355	Min.	0.03	18
356	Max	0.06	9	356	Min.	0.01	17	357	Max	0.06	9	357	Min.	-0.01	17	358	Max	0.06	11
358	Min.	-0.02	17	359	Max	0.06	11	359	Min.	-0.03	17	360	Max	0.06	11	360	Min.	-0.02	17
361	Max	0.06	5	361	Min.	-0.01	17	362	Max	0.06	5	362	Min.	0.02	17	363	Max	0.06	7
363	Min.	0.04	18	364	Max	0.08	17	364	Min.	0.05	1	365	Max	0.11	17	365	Min.	0.05	1
366	Max	0.14	17	366	Min.	0.05	9	367	Max	0.16	17	367	Min.	0.05	9	368	Max	0.17	17
368	Min.	0.05	11	369	Max	0.18	17	369	Min.	0.05	11	370	Max	0.17	17	370	Min.	0.05	11
371	Max	0.16	17	371	Min.	0.05	5	372	Max	0.13	17	372	Min.	0.05	5				

Sollecitazioni aste

Simbologia

Asta = Numero dell'asta
N1 = Nodo1
N2 = Nodo2
X = Coordinata progressiva rispetto al nodo iniziale
N = Sforzo normale
CC = Numero della combinazione delle condizioni di carico elementari
Ty = Taglio in dir. Y
Mz = Momento flettente intorno all'asse Z
Tz = Taglio in dir. Z
My = Momento flettente intorno all'asse Y
Mx = Momento torcente intorno all'asse X

Asta	N1	N2		X <cm>	N <daN>	CC	Ty <daN>	CC	Mz <daNm>	CC	Tz <daN>	CC	My <daNm>	CC	Mx <daNm>	CC
0	116	-118	Max	0.00	-369465.00	1	152270.00	17	744465.00	9	33150.00	17	744465.00	5	211200.00	17
0	116	-118	Max	125.00	-364727.00	1	152270.00	17	733784.00	9	33150.00	17	733784.00	5	211200.00	17
0	116	-118	Min.	0.00	-506904.00	17	-8544.44	9	-13746100.00	17	-8544.44	5	-4103700.00	17	0.00	1
0	116	-118	Min.	125.00	-500745.00	17	-8544.44	9	-13555800.00	17	-8544.44	5	-4062260.00	17	0.00	1
0	-118	268	Max	0.00	-364727.00	1	151026.00	17	733784.00	9	33150.00	17	733784.00	5	211200.00	17
0	-118	268	Max	125.00	-359989.00	1	151026.00	17	723133.00	9	33150.00	17	723133.00	5	211200.00	17
0	-118	268	Min.	0.00	-500745.00	17	-8520.79	9	-13555800.00	17	-8520.79	5	-4062260.00	17	0.00	1
0	-118	268	Min.	125.00	-494586.00	17	-8520.79	9	-13367000.00	17	-8520.79	5	-4020830.00	17	0.00	1
0	268	-119	Max	0.00	-359989.00	1	151026.00	17	723133.00	9	33150.00	17	723133.00	5	211200.00	17
0	268	-119	Max	125.00	-355251.00	1	151026.00	17	712514.00	9	33150.00	17	712514.00	5	211200.00	17
0	268	-119	Min.	0.00	-494586.00	17	-8495.47	9	-13367000.00	17	-8495.47	5	-4020830.00	17	0.00	1
0	268	-119	Min.	125.00	-488426.00	17	-8495.47	9	-13178200.00	17	-8495.47	5	-3979390.00	17	0.00	1
0	-119	269	Max	0.00	-355251.00	1	149733.00	17	712514.00	9	33150.00	17	712514.00	5	211200.00	17
0	-119	269	Max	125.00	-350513.00	1	149733.00	17	701928.00	9	33150.00	17	701928.00	5	211200.00	17
0	-119	269	Min.	0.00	-488426.00	17	-8468.48	9	-13178200.00	17	-8468.48	5	-3979390.00	17	0.00	1
0	-119	269	Min.	125.00	-482267.00	17	-8468.48	9	-12991100.00	17	-8468.48	5	-3937950.00	17	0.00	1
0	269	-120	Max	0.00	-350513.00	1	149733.00	17	701928.00	9	33150.00	17	701928.00	5	211200.00	17
0	269	-120	Max	124.00	-345813.00	1	149733.00	17	691463.00	9	33150.00	17	691463.00	5	211200.00	17
0	269	-120	Min.	0.00	-482267.00	17	-8439.95	9	-12991100.00	17	-8439.95	5	-3937950.00	17	0.00	1
0	269	-120	Min.	124.00	-476157.00	17	-8439.95	9	-12805400.00	17	-8439.95	5	-3896850.00	17	0.00	1
0	-120	270	Max	0.00	-345813.00	1	148406.00	17	691462.00	9	33150.00	17	691462.00	5	211200.00	17
0	-120	270	Max	124.00	-341113.00	1	148406.00	17	681034.00	9	33150.00	17	681034.00	5	211200.00	17
0	-120	270	Min.	0.00	-476157.00	17	-8409.90	9	-12805400.00	17	-8409.90	5	-3896850.00	17	0.00	1
0	-120	270	Min.	124.00	-470047.00	17	-8409.90	9	-12621400.00	17	-8409.90	5	-3855740.00	17	0.00	1
0	270	-121	Max	0.00	-341113.00	1	148406.00	17	681034.00	9	33150.00	17	681034.00	5	211200.00	17
0	270	-121	Max	120.00	-336565.00	1	148406.00	17	670980.00	9	33150.00	17	670980.00	5	211200.00	17
0	270	-121	Min.	0.00	-470047.00	17	-8378.72	9	-12621400.00	17	-8378.72	5	-3855740.00	17	0.00	1
0	270	-121	Min.	120.00	-464134.00	17	-8378.72	9	-12443300.00	17	-8378.72	5	-3815960.00	17	0.00	1
0	-121	271	Max	0.00	-336565.00	1	147084.00	17	670980.00	9	33150.00	17	670980.00	5	211200.00	17
0	-121	271	Max	120.00	-332016.00	1	147084.00	17	660964.00	9	33150.00	17	660964.00	5	211200.00	17
0	-121	271	Min.	0.00	-464134.00	17	-8346.52	9	-12443300.00	17	-8346.52	5	-3815960.00	17	0.00	1
0	-121	271	Min.	120.00	-458221.00	17	-8346.52	9	-12266800.00	17	-8346.52	5	-3776180.00	17	0.00	1
0	271	-122	Max	0.00	-332016.00	1	147084.00	17	660964.00	9	33150.00	17	660964.00	5	211200.00	17
0	271	-122	Max	120.00	-327468.00	1	147084.00	17	650989.00	9	33150.00	17	650989.00	5	211200.00	17
0	271	-122	Min.	0.00	-458221.00	17	-8312.79	9	-12266800.00	17	-8312.79	5	-3776180.00	17	0.00	1
0	271	-122	Min.	120.00	-452308.00	17	-8312.79	9	-12090300.00	17	-8312.79	5	-3736400.00	17	0.00	1
0	-122	272	Max	0.00	-327468.00	1	145730.00	17	650988.00	9	33150.00	17	650988.00	5	211200.00	17
0	-122	272	Max	120.00	-322919.00	1	145730.00	17	641055.00	9	33150.00	17	641055.00	5	211200.00	17
0	-122	272	Min.	0.00	-452308.00	17	-8277.52	9	-12090300.00	17	-8277.52	5	-3736400.00	17	0.00	1
0	-122	272	Min.	120.00	-446395.00	17	-8277.52	9	-11915400.00	17	-8277.52	5	-3696620.00	17	0.00	1
0	272	-123	Max	0.00	-322919.00	1	145730.00	17	641056.00	9	33150.00	17	641056.00	5	211200.00	17
0	272	-123	Max	120.00	-318371.00	1	145730.00	17	631167.00	9	33150.00	17	631167.00	5	211200.00	17
0	272	-123	Min.	0.00	-446395.00	17	-8240.73	9	-11915400.00	17	-8240.73	5	-3696620.00	17	0.00	1
0	272	-123	Min.	120.00	-440482.00	17	-8240.73	9	-11740500.00	17	-8240.73	5	-3656840.00	17	0.00	1
0	-123	-117	Max	0.00	-318371.00	1	144345.00	17	631167.00	9	33150.00	17	631167.00	5	211200.00	17
0	-123	-117	Max	120.00	-313823.00	1	144345.00	17	621324.00	9	33150.00	17	621324.00	5	211200.00	17
0	-123	-117	Min.	0.00	-440482.00	17	-8202.40	9	-11740500.00	17	-8202.40	5	-3656840.00	17	0.00	1
0	-123	-117	Min.	120.00	-434569.00	17	-8202.40	9	-11567300.00	17	-8202.40	5	-3617060.00	17	0.00	1
0	-117	-111	Max	0.00	-313823.00	1	144158.00	17	621324.00	9	33150.00	17	621324.00	5	211200.00	17
0	-117	-111	Max	125.00	-309351.00	1	144158.00	17	611120.00	9	33150.00	17	611120.00	5	211200.00	17
0	-117	-111	Min.	0.00	-434569.00	17	-8162.87	9	-11567300.00	17	-8162.87	5	-3617060.00	17	0.00	1
0	-117	-111	Min.	125.00	-428756.00	17	-8162.87	9	-11387100.00	17	-8162.87	5	-3575620.00	17	0.00	1
10	110	-116	Max	0.00	-433941.00	1	157611.00	17	855575.00	9	33150.00	17	855575.00	5	211200.00	17
10	110	-116	Max	128.50	-426695.00	1	157611.00	17	844360.00	9	33150.00	17	844360.00	5	211200.00	17
10	110	-116	Min.	0.00	-590723.00	17	-8727.87	9	-15738000.00	17	-8727.87	5	-4529180.00	17	0.00	1
10	110	-116	Min.	128.50	-581304.00	17	-8727.87	9	-15535500.00	17	-8727.87	5	-4486590.00	17	0.00	1
10	-116	112	Max	0.00	-426695.00	1	156726.00	17	844360.00	9	33150.00	17	844360.00	5	211200.00	17

10	-116	112	Max	128.50	-419819.00	1	156726.00	17	833157.00	9	33150.00	17	833157.00	5	211200.00	17
10	-116	112	Min.	0.00	-581304.00	17	-8717.99	9	-15535500.00	17	-8717.99	5	-4486580.00	17	0.00	1
10	-116	112	Min.	128.50	-572365.00	17	-8717.99	9	-15334100.00	17	-8717.99	5	-4443990.00	17	0.00	1
10	112	-115	Max	0.00	-419819.00	1	156726.00	17	833157.00	9	33150.00	17	833157.00	5	211200.00	17
10	112	-115	Max	146.50	-411980.00	1	156726.00	17	820405.00	9	33150.00	17	820405.00	5	211200.00	17
10	112	-115	Min.	0.00	-572365.00	17	-8705.04	9	-15334100.00	17	-8705.04	5	-4443990.00	17	0.00	1
10	112	-115	Min.	146.50	-562174.00	17	-8705.04	9	-15104500.00	17	-8705.04	5	-4395420.00	17	0.00	1
10	-115	113	Max	0.00	-411980.00	1	155658.00	17	820404.00	9	33150.00	17	820404.00	5	211200.00	17
10	-115	113	Max	146.50	-404141.00	1	155658.00	17	807676.00	9	33150.00	17	807676.00	5	211200.00	17
10	-115	113	Min.	0.00	-562174.00	17	-8688.01	9	-15104500.00	17	-8688.01	5	-4395420.00	17	0.00	1
10	-115	113	Min.	146.50	-551984.00	17	-8688.01	9	-14876500.00	17	-8688.01	5	-4346860.00	17	0.00	1
10	113	-114	Max	0.00	-404141.00	1	155658.00	17	807677.00	9	33150.00	17	807677.00	5	211200.00	17
10	113	-114	Max	75.00	-400128.00	1	155658.00	17	801172.00	9	33150.00	17	801172.00	5	211200.00	17
10	113	-114	Min.	0.00	-551984.00	17	-8672.71	9	-14876500.00	17	-8672.71	5	-4346860.00	17	0.00	1
10	113	-114	Min.	75.00	-546766.00	17	-8672.71	9	-14759700.00	17	-8672.71	5	-4322000.00	17	0.00	1
10	-114	114	Max	0.00	-400128.00	1	155061.00	17	801172.00	9	33150.00	17	801172.00	5	211200.00	17
10	-114	114	Max	75.00	-396115.00	1	155061.00	17	794676.00	9	33150.00	17	794676.00	5	211200.00	17
10	-114	114	Min.	0.00	-546767.00	17	-8661.49	9	-14759700.00	17	-8661.49	5	-4322000.00	17	0.00	1
10	-114	114	Min.	75.00	-541549.00	17	-8661.49	9	-14643400.00	17	-8661.49	5	-4297130.00	17	0.00	1
10	114	-113	Max	0.00	-396115.00	1	155061.00	17	794676.00	9	33150.00	17	794676.00	5	211200.00	17
10	114	-113	Max	145.25	-388343.00	1	155061.00	17	782121.00	9	33150.00	17	782121.00	5	211200.00	17
10	114	-113	Min.	0.00	-541549.00	17	-8643.79	9	-14643400.00	17	-8643.79	5	-4297130.00	17	0.00	1
10	114	-113	Min.	145.25	-531446.00	17	-8643.79	9	-14418200.00	17	-8643.79	5	-4248980.00	17	0.00	1
10	-113	115	Max	0.00	-388343.00	1	153809.00	17	782121.00	9	33150.00	17	782121.00	5	211200.00	17
10	-113	115	Max	145.25	-380570.00	1	153809.00	17	769604.00	9	33150.00	17	769604.00	5	211200.00	17
10	-113	115	Min.	0.00	-531446.00	17	-8617.27	9	-14418200.00	17	-8617.27	5	-4248980.00	17	0.00	1
10	-113	115	Min.	145.25	-521342.00	17	-8617.27	9	-14194800.00	17	-8617.27	5	-4200830.00	17	0.00	1
10	115	-112	Max	0.00	-380570.00	1	153809.00	17	769604.00	9	33150.00	17	769604.00	5	211200.00	17
10	115	-112	Max	146.50	-375018.00	1	153809.00	17	757017.00	9	33150.00	17	757017.00	5	211200.00	17
10	115	-112	Min.	0.00	-521342.00	17	-8591.82	9	-14194800.00	17	-8591.82	5	-4200830.00	17	0.00	1
10	115	-112	Min.	146.50	-514123.00	17	-8591.82	9	-13969500.00	17	-8591.82	5	-4152270.00	17	0.00	1
10	-112	116	Max	0.00	-375018.00	1	152439.00	17	757017.00	9	33150.00	17	757017.00	5	211200.00	17
10	-112	116	Max	146.50	-369465.00	1	152439.00	17	744464.00	9	33150.00	17	744464.00	5	211200.00	17
10	-112	116	Min.	0.00	-514123.00	17	-8568.33	9	-13969500.00	17	-8568.33	5	-4152270.00	17	0.00	1
10	-112	116	Min.	146.50	-506904.00	17	-8568.33	9	-13746100.00	17	-8568.33	5	-4103700.00	17	0.00	1
10	-111	117	Max	0.00	-309351.00	1	142682.00	17	611120.00	9	33150.00	17	611120.00	5	211200.00	17
10	-111	117	Max	125.00	-304879.00	1	142682.00	17	600968.00	9	33150.00	17	600968.00	5	211200.00	17
10	-111	117	Min.	0.00	-428756.00	17	-8122.12	9	-11387100.00	17	-8122.12	5	-3575620.00	17	0.00	1
10	-111	117	Min.	125.00	-422943.00	17	-8122.12	9	-11208800.00	17	-8122.12	5	-3534180.00	17	0.00	1
10	117	-110	Max	0.00	-304879.00	1	142682.00	17	600968.00	9	33150.00	17	600968.00	5	211200.00	17
10	117	-110	Max	130.00	-300405.00	1	142682.00	17	590464.00	9	33150.00	17	590464.00	5	211200.00	17
10	117	-110	Min.	0.00	-422943.00	17	-8079.77	9	-11208800.00	17	-8079.77	5	-3534180.00	17	0.00	1
10	117	-110	Min.	130.00	-417126.00	17	-8079.77	9	-11023300.00	17	-8079.77	5	-3491090.00	17	0.00	1
10	-110	118	Max	0.00	-300405.00	1	141117.00	17	590464.00	9	33150.00	17	590464.00	5	211200.00	17
10	-110	118	Max	130.00	-295930.00	1	141117.00	17	580017.00	9	33150.00	17	580017.00	5	211200.00	17
10	-110	118	Min.	0.00	-417126.00	17	-8035.79	9	-11023300.00	17	-8035.79	5	-3491090.00	17	0.00	1
10	-110	118	Min.	130.00	-411310.00	17	-8035.79	9	-10839800.00	17	-8035.79	5	-3447990.00	17	0.00	1
10	118	-109	Max	0.00	-295930.00	1	141117.00	17	580017.00	9	33150.00	17	580017.00	5	211200.00	17
10	118	-109	Max	132.00	-291579.00	1	141117.00	17	569469.00	9	33150.00	17	569469.00	5	211200.00	17
10	118	-109	Min.	0.00	-411310.00	17	-7990.80	9	-10839800.00	17	-7990.80	5	-3447990.00	17	0.00	1
10	118	-109	Min.	132.00	-405653.00	17	-7990.80	9	-10653600.00	17	-7990.80	5	-3404240.00	17	0.00	1
10	-109	119	Max	0.00	-291579.00	1	139500.00	17	569469.00	9	33150.00	17	569469.00	5	211200.00	17
10	-109	119	Max	132.00	-287228.00	1	139500.00	17	558982.00	9	33150.00	17	558982.00	5	211200.00	17
10	-109	119	Min.	0.00	-405653.00	17	-7944.82	9	-10653600.00	17	-7944.82	5	-3404240.00	17	0.00	1
10	-109	119	Min.	132.00	-399996.00	17	-7944.82	9	-10469400.00	17	-7944.82	5	-3360480.00	17	0.00	1
10	119	-108	Max	0.00	-287228.00	1	139500.00	17	558982.00	9	33150.00	17	558982.00	5	211200.00	17
10	119	-108	Max	135.00	-283001.00	1	139500.00	17	548320.00	9	33150.00	17	548320.00	5	211200.00	17
10	119	-108	Min.	0.00	-399996.00	17	-7897.91	9	-10469400.00	17	-7897.91	5	-3360480.00	17	0.00	1
10	119	-108	Min.	135.00	-394501.00	17	-7897.91	9	-10281100.00	17	-7897.91	5	-3315730.00	17	0.00	1
10	-108	120	Max	0.00	-283001.00	1	137819.00	17	548320.00	9	33150.00	17	548320.00	5	211200.00	17
10	-108	120	Max	135.00	-278773.00	1	137819.00	17	537723.00	9	33150.00	17	537723.00	5	211200.00	17
10	-108	120	Min.	0.00	-394501.00	17	-7850.07	9	-10281100.00	17	-7850.07	5	-3315730.00	17	0.00	1
10	-108	120	Min.	135.00	-389005.00	17	-7850.07	9	-10095000.00	17	-7850.07	5	-3270970.00	17	0.00	1
10	120	-107	Max	0.00	-278773.00	1	137819.00	17	537723.00	9	33150.00	17	537723.00	5	211200.00	17
10	120	-107	Max	135.00	-274782.00	1	137819.00	17	527190.00	9	33150.00	17	527190.00	5	211200.00	17
10	120	-107	Min.	0.00	-389005.00	17	-7802.01	9	-10095000.00	17	-7802.01	5	-3270970.00	17	0.00	1
10	120	-107	Min.	135.00	-383816.00	17	-7802.01	9	-9908980.00	17	-7802.01	5	-3226220.00	17	0.00	1
10	-107	121	Max	0.00	-274782.00	1	136110.00	17	527190.00	9	33150.00	17	527190.00	5	211200.00	17
10	-107	121	Max	135.00	-270790.00	1	136110.00	17	516722.00	9	33150.00	17	516722.00	5	211200.00	17
10	-107	121	Min.	0.00	-383816.00	17	-7753.82	9	-9908980.00	17	-7753.82	5	-3226220.00	17	0.00	1
10	-107	121	Min.	135.00	-378627.00	17	-7753.82	9	-9725230.00	17	-7753.82	5	-3181470.00	17	0.00	1
10	121	-106	Max	0.00	-270790.00	1	136110.00	17	516722.00	9	33150.00	17	516722.00	5	211200.00	17
10	121	-106	Max	146.50	-266673.00	1	136110.00	17	505437.00	9	33150.00	17	505437.00	5	211200.00	17
10	121	-106	Min.	0.00	-378628.00	17	-7703.33	9	-9725240.00	17	-7703.33	5	-3181470.00	17	0.00	1
10	121	-106	Min.	146.50	-373274.00	17	-7703.33	9	-9525830.00	17	-7703.33	5	-3132900.00	17	0.00	1
10	-106	122	Max	0.00	-266673.00	1	134229.00	17	505437.00	9	33150.00	17	505437.00	5	211200.00	17
10	-106	122	Max	146.50	-262555.00	1	134229.00	17	494229.00	9	33150.00	17	494229.00	5	211200.00	17
10	-106	122	Min.	0.00	-373274.00	17	-7650.35	9	-9525830.00	17	-7650.35	5	-3132900.00	17	0.00	1
10	-106	122	Min.	146.50	-367921.00	17	-7650.35	9	-9329190.00	17	-7650.35	5	-3084340.00	17	0.00	1
10	122	-105	Max	0.00	-262555.00	1	134229.00	17	494229.00	9	33150.00	17	494229.00	5	211200.00	17
10	122	-105	Max	146.50	-258579.00	1	134229.00	17	483100.00	9	33150.00	17	483100.00	5	211200.00	17
10	122	-105	Min.	0.00	-367921.00	17	-7596.63	9	-9329190.00	17	-7596.63	5	-3084340.00	17	0.00	1
10	122	-105	Min.	146.50	-362753.00	17	-7596.63	9	-9132540.00	17	-7596.63	5	-3035770.00	17	0.00	1
10	-105	123	Max	0.00	-258579.00	1	132320.00	17	483100.00	9	33150.00	17	483100.00	5	211200.00	17
10	-105	123	Max	146.50	-254604.00	1	132320.00	17	472050.00	9	33150.00	17	472050.00	5	211200.00	17
10	-105	123	Min.	0.00	-362753.00	17	-7542.22	9	-9132540.00	17	-7542.22	5	-3035780.00	17	0.00	1
10	-105	123	Min.	146.50	-357585.00	17	-7542.22	9	-8938700.00	17	-7542.22	5	-2987210.00	17	0.00	1
10	123	-104	Max	0.00	-254604.00	1	132129.00	17	472051.00	9	33150.00	17	472051.00	5	211200.00	17
10	123	-104	Max	145.55	-250590.00	1	132129.00	17	461155.00	9	33150.00	17	461155.00	5	211200.00	17
10	123	-104	Min.	0.00	-357585.00	17	-7485.90	9	-8938700.00	17	-7485.90	5	-2987210.00	17	0.00	1
10	123	-104	Min.	145.55	-352366.00	17	-7485.90	9	-8746380.00	17	-7485.90	5	-2938960.00	17	0.00	1
10	-104	124	Max	0.00	-250590.00	1	130208.00	17	461155.00	9	33150.00	17	461155.00	5	211200.00	17
10	-104	124	Max	145.55	-246575.00	1	130208.00	17	450344.00	9	33150.00	17	450344.00	5	211200.00	17
10	-104	124	Min.	0.00	-352366.00	17	-7427.67	9	-8746380.00	17	-7427.67	5	-2938960.00	17	0.00	1
10	-104	124	Min.	145.55	-347148.00	17	-7427.67	9	-8556870.00	17	-7427.67	5	-2890710.00	17	0.00	1
10	124	-103	Max	0.00	-246575.00	1	130208.00	17	450344.00	9	33150.00	17	450344.00	5	211200.00	17
10	124	-103	Max	145.55	-242883.00	1	130208.00	17	439616.00	9	33150.00	17	439616.00	5	211200.00	17
10	124	-103	Min.	0.00	-347148.00	17	-7370.20	9	-8556860.00	17	-7370.20	5	-2890710.00	17	0.00	1
10	124	-103	Min.	145.55	-342348.00	17	-7370.20	9	-8367350.00	17	-7370.20	5	-2842460.00	17	0.00	1
10	-103	125	Max	0.00	-242883.00	1	128268.00	17	439616.00	9	33150.00	17	439616.00	5	211200.00	17
10	-103	125	Max	145.55	-239191.00	1	128268.00	17	428972.00	9	33150.00	17	428972.00	5	211200.00	17
10	-103	125	Min.	0.00	-342348.00	17	-7313.62	9	-8367350.00	17	-7313.62	5	-2842460.00	17	0.00	1
10	-103	125	Min.	145.55	-337549.00	17	-7313.62	9	-8180650.00	17	-7313.62	5	-2794210.00	17	0.00	1
10	125	-102	Max	0.00	-239191.00	1	128268.00	17	428971.00	9	33150.00	17	428971.00	5	211200.00	17
10	125	-102	Max	145.55	-235607.00	1	128268.00	17	418410.00	9	33150.00	17	418410.00	5	211200.00	17

10	125	-102	Min.	0.00	-337549.00	17	-7256.38	9	-8180650.00	17	-7256.38	5	-2794210.00	17	0.00	1
10	125	-102	Min.	145.55	-332889.00	17	-7256.38	9	-7993960.00	17	-7256.38	5	-2745960.00	17	0.00	1
10	-102	126	Max	0.00	-235607.00	1	126311.00	17	418410.00	9	33150.00	17	418410.00	5	211200.00	17
10	-102	126	Max	145.55	-232023.00	1	126311.00	17	407932.00	9	33150.00	17	407932.00	5	211200.00	17
10	-102	126	Min.	0.00	-332889.00	17	-7198.53	9	-7993960.00	17	-7198.53	5	-2745960.00	17	0.00	1
10	-102	126	Min.	145.55	-328230.00	17	-7198.53	9	-7810110.00	17	-7198.53	5	-2697710.00	17	0.00	1
10	126	-101	Max	0.00	-232023.00	1	126311.00	17	407932.00	9	33150.00	17	407932.00	5	211200.00	17
10	126	-101	Max	145.55	-228520.00	1	126311.00	17	397540.00	9	33150.00	17	397540.00	5	211200.00	17
10	126	-101	Min.	0.00	-328230.00	17	-7139.88	9	-7810110.00	17	-7139.88	5	-2697710.00	17	0.00	1
10	126	-101	Min.	145.55	-323676.00	17	-7139.88	9	-7626270.00	17	-7139.88	5	-2649460.00	17	0.00	1
10	-101	127	Max	0.00	-228520.00	1	124337.00	17	397540.00	9	33150.00	17	397540.00	5	211200.00	17
10	-101	127	Max	145.55	-225017.00	1	124337.00	17	387235.00	9	33150.00	17	387235.00	5	211200.00	17
10	-101	127	Min.	0.00	-323676.00	17	-7080.48	9	-7626270.00	17	-7080.48	5	-2649460.00	17	0.00	1
10	-101	127	Min.	145.55	-319122.00	17	-7080.48	9	-7445300.00	17	-7080.48	5	-2601210.00	17	0.00	1
10	127	-100	Max	0.00	-225017.00	1	124337.00	17	387235.00	9	33150.00	17	387235.00	5	211200.00	17
10	127	-100	Max	145.55	-221496.00	1	124337.00	17	377018.00	9	33150.00	17	377018.00	5	211200.00	17
10	127	-100	Min.	0.00	-319122.00	17	-7019.49	9	-7445300.00	17	-7019.49	5	-2601210.00	17	0.00	1
10	127	-100	Min.	145.55	-314545.00	17	-7019.49	9	-7264330.00	17	-7019.49	5	-2552960.00	17	0.00	1
10	-100	128	Max	0.00	-221496.00	1	122349.00	17	377018.00	9	33150.00	17	377018.00	5	211200.00	17
10	-100	128	Max	145.55	-217976.00	1	122349.00	17	366892.00	9	33150.00	17	366892.00	5	211200.00	17
10	-100	128	Min.	0.00	-314545.00	17	-6956.91	9	-7264320.00	17	-6956.91	5	-2552960.00	17	0.00	1
10	-100	128	Min.	145.55	-309969.00	17	-6956.91	9	-7086250.00	17	-6956.91	5	-2504710.00	17	0.00	1
10	128	-99	Max	0.00	-217976.00	1	122349.00	17	366892.00	9	33150.00	17	366892.00	5	211200.00	17
10	128	-99	Max	145.55	-214690.00	1	122349.00	17	356856.00	9	33150.00	17	356856.00	5	211200.00	17
10	128	-99	Min.	0.00	-309969.00	17	-6895.02	9	-7086250.00	17	-6895.02	5	-2504710.00	17	0.00	1
10	128	-99	Min.	145.55	-305697.00	17	-6895.02	9	-6908170.00	17	-6895.02	5	-2456460.00	17	0.00	1
10	-99	129	Max	0.00	-214690.00	1	120347.00	17	356856.00	9	33150.00	17	356856.00	5	211200.00	17
10	-99	129	Max	145.55	-211403.00	1	120347.00	17	346910.00	9	33150.00	17	346910.00	5	211200.00	17
10	-99	129	Min.	0.00	-305697.00	17	-6833.92	9	-6908170.00	17	-6833.92	5	-2456460.00	17	0.00	1
10	-99	129	Min.	145.55	-301424.00	17	-6833.92	9	-6733000.00	17	-6833.92	5	-2408210.00	17	0.00	1
10	129	-98	Max	0.00	-211403.00	1	120347.00	17	346910.00	9	33150.00	17	346910.00	5	211200.00	17
10	129	-98	Max	145.55	-208223.00	1	120347.00	17	337052.00	9	33150.00	17	337052.00	5	211200.00	17
10	129	-98	Min.	0.00	-301424.00	17	-6772.48	9	-6733000.00	17	-6772.48	5	-2408210.00	17	0.00	1
10	129	-98	Min.	145.55	-297290.00	17	-6772.48	9	-6557840.00	17	-6772.48	5	-2359960.00	17	0.00	1
10	-98	130	Max	0.00	-208223.00	1	118332.00	17	337052.00	9	33150.00	17	337052.00	5	211200.00	17
10	-98	130	Max	145.55	-205042.00	1	118332.00	17	327285.00	9	33150.00	17	327285.00	5	211200.00	17
10	-98	130	Min.	0.00	-297290.00	17	-6710.74	9	-6557840.00	17	-6710.74	5	-2359960.00	17	0.00	1
10	-98	130	Min.	145.55	-293155.00	17	-6710.74	9	-6385610.00	17	-6710.74	5	-2311710.00	17	0.00	1
10	130	-97	Max	0.00	-205042.00	1	118332.00	17	327285.00	9	33150.00	17	327285.00	5	211200.00	17
10	130	-97	Max	121.10	-202497.00	1	118332.00	17	319227.00	9	33150.00	17	319227.00	5	211200.00	17
10	130	-97	Min.	0.00	-293155.00	17	-6654.00	9	-6385610.00	17	-6654.00	5	-2311710.00	17	0.00	1
10	130	-97	Min.	121.10	-289846.00	17	-6654.00	9	-6242310.00	17	-6654.00	5	-2271570.00	17	0.00	1
10	-97	131	Max	0.00	-202497.00	1	116646.00	17	319227.00	9	33150.00	17	319227.00	5	211200.00	17
10	-97	131	Max	121.10	-199951.00	1	116646.00	17	311231.00	9	33150.00	17	311231.00	5	211200.00	17
10	-97	131	Min.	0.00	-289846.00	17	-6602.68	9	-6242310.00	17	-6602.68	5	-2271570.00	17	0.00	1
10	-97	131	Min.	121.10	-286537.00	17	-6602.68	9	-6101050.00	17	-6602.68	5	-2231420.00	17	0.00	1
10	131	-96	Max	0.00	-199951.00	1	116646.00	17	311231.00	9	33150.00	17	311231.00	5	211200.00	17
10	131	-96	Max	121.10	-197468.00	1	116646.00	17	303297.00	9	33150.00	17	303297.00	5	211200.00	17
10	131	-96	Min.	0.00	-286537.00	17	-6551.14	9	-6101050.00	17	-6551.14	5	-2231420.00	17	0.00	1
10	131	-96	Min.	121.10	-283309.00	17	-6551.14	9	-5959790.00	17	-6551.14	5	-2191280.00	17	0.00	1
10	-96	132	Max	0.00	-197468.00	1	114953.00	17	303297.00	9	33150.00	17	303297.00	5	211200.00	17
10	-96	132	Max	121.10	-194986.00	1	114953.00	17	295427.00	9	33150.00	17	295427.00	5	211200.00	17
10	-96	132	Min.	0.00	-283309.00	17	-6499.40	9	-5959790.00	17	-6499.40	5	-2191280.00	17	0.00	1
10	-96	132	Min.	121.10	-280082.00	17	-6499.40	9	-5820580.00	17	-6499.40	5	-2151130.00	17	0.00	1
10	132	-95	Max	0.00	-194986.00	1	114791.00	17	295427.00	9	33150.00	17	295427.00	5	211200.00	17
10	132	-95	Max	144.35	-192124.00	1	114791.00	17	286126.00	9	33150.00	17	286126.00	5	211200.00	17
10	132	-95	Min.	0.00	-280082.00	17	-6442.81	9	-5820580.00	17	-6442.81	5	-2151130.00	17	0.00	1
10	132	-95	Min.	144.35	-276361.00	17	-6442.81	9	-5654880.00	17	-6442.81	5	-2103280.00	17	0.00	1
10	-95	133	Max	0.00	-192124.00	1	112766.00	17	286127.00	9	33150.00	17	286127.00	5	211200.00	17
10	-95	133	Max	144.35	-189262.00	1	112766.00	17	276916.00	9	33150.00	17	276916.00	5	211200.00	17
10	-95	133	Min.	0.00	-276361.00	17	-6381.03	9	-5654880.00	17	-6381.03	5	-2103280.00	17	0.00	1
10	-95	133	Min.	144.35	-272640.00	17	-6381.03	9	-5492100.00	17	-6381.03	5	-2055430.00	17	0.00	1
10	133	-94	Max	0.00	-189262.00	1	112766.00	17	276916.00	9	33150.00	17	276916.00	5	211200.00	17
10	133	-94	Max	144.35	-186473.00	1	112766.00	17	267794.00	9	33150.00	17	267794.00	5	211200.00	17
10	133	-94	Min.	0.00	-272640.00	17	-6318.90	9	-5492110.00	17	-6318.90	5	-2055430.00	17	0.00	1
10	133	-94	Min.	144.35	-269015.00	17	-6318.90	9	-5329330.00	17	-6318.90	5	-2007580.00	17	0.00	1
10	-94	134	Max	0.00	-186473.00	1	110739.00	17	267794.00	9	33150.00	17	267794.00	5	211200.00	17
10	-94	134	Max	144.35	-183685.00	1	110739.00	17	258763.00	9	33150.00	17	258763.00	5	211200.00	17
10	-94	134	Min.	0.00	-269015.00	17	-6256.46	9	-5329330.00	17	-6256.46	5	-2007580.00	17	0.00	1
10	-94	134	Min.	144.35	-265391.00	17	-6256.46	9	-5169480.00	17	-6256.46	5	-1959730.00	17	0.00	1
10	134	-93	Max	0.00	-183685.00	1	110739.00	17	258763.00	9	33150.00	17	258763.00	5	211200.00	17
10	134	-93	Max	144.35	-181025.00	1	110739.00	17	249821.00	9	33150.00	17	249821.00	5	211200.00	17
10	134	-93	Min.	0.00	-265390.00	17	-6194.35	9	-5169480.00	17	-6194.35	5	-1959730.00	17	0.00	1
10	134	-93	Min.	144.35	-261932.00	17	-6194.35	9	-5009630.00	17	-6194.35	5	-1911870.00	17	0.00	1
10	-93	135	Max	0.00	-181025.00	1	108713.00	17	249821.00	9	33150.00	17	249821.00	5	211200.00	17
10	-93	135	Max	144.35	-178365.00	1	108713.00	17	240969.00	9	33150.00	17	240969.00	5	211200.00	17
10	-93	135	Min.	0.00	-261932.00	17	-6132.62	9	-5009630.00	17	-6132.62	5	-1911870.00	17	0.00	1
10	-93	135	Min.	144.35	-258474.00	17	-6132.62	9	-4852700.00	17	-6132.62	5	-1864020.00	17	0.00	1
10	135	-92	Max	0.00	-178365.00	1	108713.00	17	240969.00	9	33150.00	17	240969.00	5	211200.00	17
10	135	-92	Max	144.35	-175805.00	1	108713.00	17	232206.00	9	33150.00	17	232206.00	5	211200.00	17
10	135	-92	Min.	0.00	-258474.00	17	-6070.99	9	-4852700.00	17	-6070.99	5	-1864020.00	17	0.00	1
10	135	-92	Min.	144.35	-255146.00	17	-6070.99	9	-4695770.00	17	-6070.99	5	-1816170.00	17	0.00	1
10	-92	136	Max	0.00	-175805.00	1	106685.00	17	232205.00	9	33150.00	17	232205.00	5	211200.00	17
10	-92	136	Max	144.35	-173245.00	1	106685.00	17	223531.00	9	33150.00	17	223531.00	5	211200.00	17
10	-92	136	Min.	0.00	-255146.00	17	-6009.51	9	-4695770.00	17	-6009.51	5	-1816170.00	17	0.00	1
10	-92	136	Min.	144.35	-251818.00	17	-6009.51	9	-4541770.00	17	-6009.51	5	-1768320.00	17	0.00	1
10	136	-91	Max	0.00	-173245.00	1	106685.00	17	223531.00	9	33150.00	17	223531.00	5	211200.00	17
10	136	-91	Max	144.35	-170769.00	1	106685.00	17	214945.00	9	33150.00	17	214945.00	5	211200.00	17
10	136	-91	Min.	0.00	-251818.00	17	-5948.01	9	-4541770.00	17	-5948.01	5	-1768320.00	17	0.00	1
10	136	-91	Min.	144.35	-248599.00	17	-5948.01	9	-4387770.00	17	-5948.01	5	-1720470.00	17	0.00	1
10	-91	137	Max	0.00	-170769.00	1	104658.00	17	214945.00	9	33150.00	17	214945.00	5	211200.00	17
10	-91	137	Max	144.35	-168293.00	1	104658.00	17	206447.00	9	33150.00	17	206447.00	5	211200.00	17
10	-91	137	Min.	0.00	-248599.00	17	-5886.55	9	-4387770.00	17	-5886.55	5	-1720470.00	17	0.00	1
10	-91	137	Min.	144.35	-245381.00	17	-5886.55	9	-4236700.00	17	-5886.55	5	-1672610.00	17	0.00	1
10	137	-90	Max	0.00	-168293.00	1	104658.00	17	206448.00	9	33150.00	17	206448.00	5	211200.00	17
10	137	-90	Max	144.35	-165941.00	1	104658.00	17	198038.00	9	33150.00	17	198038.00	5	211200.00	17
10	137	-90	Min.	0.00	-245381.00	17	-5825.64	9	-4236700.00	17	-5825.64	5	-1672610.00	17	0.00	1
10	137	-90	Min.	144.35	-242323.00	17	-5825.64	9	-4085620.00	17	-5825.64	5	-1624760.00	17	0.00	1
10	-90	138	Max	0.00	-165941.00	1	102632.00	17	198038.00	9	33150.00	17	198038.00	5	211200.00	17
10	-90	138	Max	144.35	-163589.00	1	102632.00	17	189716.00	9	33150.00	17	189716.00	5	211200.00	17
10	-90	138	Min.	0.00	-242323.00	17	-5765.35	9	-4085630.00	17	-5765.35	5	-1624760.00	17	0.00	1
10	-90	138	Min.	144.35	-239266.00	17	-5765.35	9	-3937480.00	17	-5765.35	5	-1576910.00	17	0.00	1
10	138	-89	Max	0.00	-163589.00	1	102632.00	17	189716.00	9	33150.00	17	189716.00	5	211200.00	17
10	138	-89	Max	144.35	-161295.00	1	102632.00	17	181481.00	9	33150.00	17	181481.00	5	211200.00	17
10	138	-89	Min.	0.00	-239266.00	17	-5704.85	9	-3937480.00	17	-5704.85	5	-1576910.00	17	0.00	1

10	138	-89	Min.	144.35	-236283.00	17	-5704.85	9	-3789330.00	17	-5704.85	5	-1529060.00	17	0.00	1
10	-89	139	Max	0.00	-161295.00	1	100605.00	17	181481.00	9	33150.00	17	181481.00	5	211200.00	17
10	-89	139	Max	144.35	-159000.00	1	100605.00	17	173334.00	9	33150.00	17	173334.00	5	211200.00	17
10	-89	139	Min.	0.00	-236283.00	17	-5644.16	9	-3789330.00	17	-5644.16	5	-1529060.00	17	0.00	1
10	-89	139	Min.	144.35	-233300.00	17	-5644.16	9	-3644100.00	17	-5644.16	5	-1481210.00	17	0.00	1
10	139	-88	Max	0.00	-159000.00	1	100605.00	17	173334.00	9	33150.00	17	173334.00	5	211200.00	17
10	139	-88	Max	103.15	-157445.00	1	100605.00	17	167565.00	9	33150.00	17	167565.00	5	211200.00	17
10	139	-88	Min.	0.00	-233300.00	17	-5592.46	9	-3644110.00	17	-5592.46	5	-1481210.00	17	0.00	1
10	139	-88	Min.	103.15	-231278.00	17	-5592.46	9	-3540330.00	17	-5592.46	5	-1447010.00	17	0.00	1
10	-88	140	Max	0.00	-157445.00	1	99159.00	17	167565.00	9	33150.00	17	167565.00	5	211200.00	17
10	-88	140	Max	103.15	-155889.00	1	99159.00	17	161840.00	9	33150.00	17	161840.00	5	211200.00	17
10	-88	140	Min.	0.00	-231278.00	17	-5550.25	9	-3540330.00	17	-5550.25	5	-1447010.00	17	0.00	1
10	-88	140	Min.	103.15	-229256.00	17	-5550.25	9	-3438050.00	17	-5550.25	5	-1412820.00	17	0.00	1
10	140	-87	Max	0.00	-155889.00	1	99159.00	17	161840.00	9	33150.00	17	161840.00	5	211200.00	17
10	140	-87	Max	103.15	-154398.00	1	99159.00	17	156158.00	9	33150.00	17	156158.00	5	211200.00	17
10	140	-87	Min.	0.00	-229256.00	17	-5508.46	9	-3438050.00	17	-5508.46	5	-1412820.00	17	0.00	1
10	140	-87	Min.	103.15	-227317.00	17	-5508.46	9	-3335770.00	17	-5508.46	5	-1378620.00	17	0.00	1
10	-87	141	Max	0.00	-154398.00	1	97713.00	17	156158.00	9	33150.00	17	156158.00	5	211200.00	17
10	-87	141	Max	103.15	-152906.00	1	97713.00	17	150519.00	9	33150.00	17	150519.00	5	211200.00	17
10	-87	141	Min.	0.00	-227317.00	17	-5467.12	9	-3335770.00	17	-5467.12	5	-1378620.00	17	0.00	1
10	-87	141	Min.	103.15	-225378.00	17	-5467.12	9	-3234970.00	17	-5467.12	5	-1344430.00	17	0.00	1
10	141	-86	Max	0.00	-152906.00	1	97713.00	17	150519.00	9	33150.00	17	150519.00	5	211200.00	17
10	141	-86	Max	103.15	-151423.00	1	97713.00	17	144922.00	9	33150.00	17	144922.00	5	211200.00	17
10	141	-86	Min.	0.00	-225378.00	17	-5425.46	9	-3234970.00	17	-5425.46	5	-1344430.00	17	0.00	1
10	141	-86	Min.	103.15	-223450.00	17	-5425.46	9	-3134180.00	17	-5425.46	5	-1310230.00	17	0.00	1
10	-86	142	Max	0.00	-151423.00	1	96271.50	17	144920.00	9	33150.00	17	144920.00	5	211200.00	17
10	-86	142	Max	103.15	-149939.00	1	96271.50	17	139367.00	9	33150.00	17	139367.00	5	211200.00	17
10	-86	142	Min.	0.00	-223449.00	17	-5383.48	9	-3134140.00	17	-5383.48	5	-1310220.00	17	0.00	1
10	-86	142	Min.	103.15	-221521.00	17	-5383.48	9	-3034830.00	17	-5383.48	5	-1276020.00	17	0.00	1
10	142	-85	Max	0.00	-149940.00	1	96132.00	17	139369.00	9	33150.00	17	139369.00	5	211200.00	17
10	142	-85	Max	143.45	-147971.00	1	96132.00	17	131717.00	9	33150.00	17	131717.00	5	211200.00	17
10	142	-85	Min.	0.00	-221522.00	17	-5334.13	9	-3034880.00	17	-5334.13	5	-1276040.00	17	0.00	1
10	142	-85	Min.	143.45	-218962.00	17	-5334.13	9	-2896980.00	17	-5334.13	5	-1228490.00	17	0.00	1
10	-85	143	Max	0.00	-147970.00	1	94132.50	17	131715.00	9	33150.00	17	131715.00	5	211200.00	17
10	-85	143	Max	143.45	-146001.00	1	94132.50	17	124145.00	9	33150.00	17	124145.00	5	211200.00	17
10	-85	143	Min.	0.00	-218961.00	17	-5277.03	9	-2896930.00	17	-5277.03	5	-1228470.00	17	0.00	1
10	-85	143	Min.	143.45	-216401.00	17	-5277.03	9	-2761900.00	17	-5277.03	5	-1180920.00	17	0.00	1
10	143	-84	Max	0.00	-146002.00	1	94132.50	17	124148.00	9	33150.00	17	124148.00	5	211200.00	17
10	143	-84	Max	143.45	-144130.00	1	94132.50	17	116659.00	9	33150.00	17	116659.00	5	211200.00	17
10	143	-84	Min.	0.00	-216402.00	17	-5220.57	9	-2761940.00	17	-5220.57	5	-1180930.00	17	0.00	1
10	143	-84	Min.	143.45	-213969.00	17	-5220.57	9	-2626910.00	17	-5220.57	5	-1133380.00	17	0.00	1
10	-84	144	Max	0.00	-144129.00	1	92143.50	17	116656.00	9	33150.00	17	116656.00	5	211200.00	17
10	-84	144	Max	143.45	-142257.00	1	92143.50	17	109247.00	9	33150.00	17	109247.00	5	211200.00	17
10	-84	144	Min.	0.00	-213968.00	17	-5164.79	9	-2626860.00	17	-5164.79	5	-1133360.00	17	0.00	1
10	-84	144	Min.	143.45	-211534.00	17	-5164.79	9	-2494680.00	17	-5164.79	5	-1085810.00	17	0.00	1
10	144	-83	Max	0.00	-142258.00	1	92143.50	17	109250.00	9	33150.00	17	109250.00	5	211200.00	17
10	144	-83	Max	143.45	-140507.00	1	92143.50	17	101919.00	9	33150.00	17	101919.00	5	211200.00	17
10	144	-83	Min.	0.00	-211535.00	17	-5110.08	9	-2494730.00	17	-5110.08	5	-1085830.00	17	0.00	1
10	144	-83	Min.	143.45	-209259.00	17	-5110.08	9	-2362550.00	17	-5110.08	5	-1038270.00	17	0.00	1
10	-83	145	Max	0.00	-140506.00	1	90165.00	17	101917.00	9	33150.00	17	101917.00	5	211200.00	17
10	-83	145	Max	143.45	-138755.00	1	90165.00	17	94663.20	9	33150.00	17	94663.20	5	211200.00	17
10	-83	145	Min.	0.00	-209258.00	17	-5056.48	9	-2362500.00	17	-5056.48	5	-1038260.00	17	0.00	1
10	-83	145	Min.	143.45	-206981.00	17	-5056.48	9	-2233160.00	17	-5056.48	5	-990701.00	17	0.00	1
10	145	-82	Max	0.00	-138755.00	1	90165.00	17	94665.70	9	33150.00	17	94665.70	5	211200.00	17
10	145	-82	Max	143.65	-137120.00	1	90165.00	17	87477.50	9	33150.00	17	87477.50	5	211200.00	17
10	145	-82	Min.	0.00	-206982.00	17	-5003.98	9	-2233210.00	17	-5003.98	5	-990718.00	17	0.00	1
10	145	-82	Min.	143.65	-204856.00	17	-5003.98	9	-2103690.00	17	-5003.98	5	-943098.00	17	0.00	1
10	-82	146	Max	0.00	-137119.00	1	88198.50	17	87475.00	9	33150.00	17	87475.00	5	211200.00	17
10	-82	146	Max	143.65	-135484.00	1	88198.50	17	80360.50	9	33150.00	17	80360.50	5	211200.00	17
10	-82	146	Min.	0.00	-204855.00	17	-4952.62	9	-2103640.00	17	-4952.62	5	-943082.00	17	0.00	1
10	-82	146	Min.	143.65	-202730.00	17	-4952.62	9	-1976940.00	17	-4952.62	5	-895462.00	17	0.00	1
10	146	-81	Max	0.00	-135485.00	1	88198.50	17	80363.00	9	33150.00	17	80363.00	5	211200.00	17
10	146	-81	Max	143.65	-133893.00	1	88198.50	17	73322.30	9	33150.00	17	73322.30	5	211200.00	17
10	146	-81	Min.	0.00	-202730.00	17	-4901.28	9	-1976990.00	17	-4901.28	5	-895478.00	17	0.00	1
10	146	-81	Min.	143.65	-200661.00	17	-4901.28	9	-1850290.00	17	-4901.28	5	-847858.00	17	0.00	1
10	-81	147	Max	0.00	-133892.00	1	86244.00	17	73319.90	9	33150.00	17	73319.90	5	211200.00	17
10	-81	147	Max	93.65	-132854.00	1	86244.00	17	68769.50	9	33150.00	17	68769.50	5	211200.00	17
10	-81	147	Min.	0.00	-200660.00	17	-4858.92	9	-1850250.00	17	-4858.92	5	-847842.00	17	0.00	1
10	-81	147	Min.	93.65	-199311.00	17	-4858.92	9	-1769480.00	17	-4858.92	5	-816797.00	17	0.00	1
10	147	-80	Max	0.00	-132855.00	1	86244.00	17	68771.90	9	33150.00	17	68771.90	5	211200.00	17
10	147	-80	Max	143.65	-130992.00	1	86244.00	17	61859.80	9	33150.00	17	61859.80	5	211200.00	17
10	147	-80	Min.	0.00	-199311.00	17	-4811.81	9	-1769520.00	17	-4811.81	5	-816813.00	17	0.00	1
10	147	-80	Min.	143.65	-196890.00	17	-4811.81	9	-1645630.00	17	-4811.81	5	-769193.00	17	0.00	1
10	-80	148	Max	0.00	-130991.00	1	84301.50	17	61857.40	9	33150.00	17	61857.40	5	211200.00	17
10	-80	148	Max	143.65	-129128.00	1	84301.50	17	55033.20	9	33150.00	17	55033.20	5	211200.00	17
10	-80	148	Min.	0.00	-196889.00	17	-4750.55	9	-1645590.00	17	-4750.55	5	-769177.00	17	0.00	1
10	-80	148	Min.	143.65	-194467.00	17	-4750.55	9	-1524490.00	17	-4750.55	5	-721557.00	17	0.00	1
10	148	-79	Max	0.00	-129129.00	1	84301.50	17	55035.60	9	33150.00	17	55035.60	5	211200.00	17
10	148	-79	Max	143.65	-127395.00	1	84301.50	17	48297.40	9	33150.00	17	48297.40	5	211200.00	17
10	148	-79	Min.	0.00	-194468.00	17	-4690.69	9	-1524530.00	17	-4690.69	5	-721573.00	17	0.00	1
10	148	-79	Min.	143.65	-192214.00	17	-4690.69	9	-1403430.00	17	-4690.69	5	-673953.00	17	0.00	1
10	-79	149	Max	0.00	-127395.00	1	82372.50	17	48295.10	9	33150.00	17	48295.10	5	211200.00	17
10	-79	149	Max	143.65	-125661.00	1	82372.50	17	41640.80	9	33150.00	17	41640.80	5	211200.00	17
10	-79	149	Min.	0.00	-192213.00	17	-4632.27	9	-1403390.00	17	-4632.27	5	-673937.00	17	0.00	1
10	-79	149	Min.	143.65	-189959.00	17	-4632.27	9	-1285060.00	17	-4632.27	5	-626317.00	17	0.00	1
10	149	-78	Max	0.00	-125661.00	1	82372.50	17	41643.10	9	33150.00	17	41643.10	5	211200.00	17
10	149	-78	Max	143.65	-123995.00	1	82372.50	17	35072.10	9	33150.00	17	35072.10	5	211200.00	17
10	149	-78	Min.	0.00	-189960.00	17	-4574.31	9	-1285100.00	17	-4574.31	5	-626333.00	17	0.00	1
10	149	-78	Min.	143.65	-187793.00	17	-4574.31	9	-1166780.00	17	-4574.31	5	-578713.00	17	0.00	1
10	-78	150	Max	0.00	-123994.00	1	80455.50	17	35069.80	9	33150.00	17	35069.80	5	211200.00	17
10	-78	150	Max	143.65	-122328.00	1	80455.50	17	28581.40	9	33150.00	17	28581.40	5	211200.00	17
10	-78	150	Min.	0.00	-187793.00	17	-4516.83	9	-1166730.00	17	-4516.83	5	-578697.00	17	0.00	1
10	-78	150	Min.	143.65	-185626.00	17	-4516.83	9	-1051160.00	17	-4516.83	5	-531077.00	17	0.00	1
10	150	-77	Max	0.00	-122329.00	1	80455.50	17	28583.70	9	33150.00	17	28583.70	5	211200.00	17
10	150	-77	Max	109.70	-121079.00	1	80455.50	17	23684.50	9	33150.00	17	23684.50	5	211200.00	17
10	150	-77	Min.	0.00	-185627.00	17	-4465.94	9	-1051200.00	17	-4465.94	5	-531093.00	17	0.00	1
10	150	-77	Min.	109.70	-184002.00	17	-4465.94	9	-962941.00	17	-4465.94	5	-494728.00	17	0.00	1
10	-77	151	Max	0.00	-121079.00	1	79002.00	17	23684.50	9	33150.00	17	23684.50	5	211200.00	17
10	-77	151	Max	109.70	-119829.00	1	79002.00	17	18833.70	9	33150.00	17	18833.70	5	211200.00	17
10	-77	151	Min.	0.00	-184002.00	17	-4421.93	9	-962941.00	17	-4421.93	5	-494728.00	17	0.00	1
10	-77	151	Min.	109.70	-182377.00	17	-4421.93	9	-876276.00	17	-4421.93	5	-458362.00	17	0.00	1
10	151	-76	Max	0.00	-119829.00	1	79002.00	17	18833.70	9	33150.00	17	18833.70	5	211200.00	17
10	151	-76	Max	109.70	-118414.00	1	79002.00	17	14034.70	9	33150.00	17	14034.70	5	211200.00	17
10	151	-76	Min.	0.00	-182377.00	17	-4374.62	9	-876276.00	17	-4374.62	5	-458362.00	17	0.00	1
10	151	-76	Min.	109.70	-180539.00	17	-4374.62	9	-789610.00	17	-4374.62	5	-421997.00	17	0.00	1

10	-76	152	Max	0.00	-118414.00	1	77556.00	17	14034.70	9	33150.00	17	14034.70	5	211200.00	17
10	-76	152	Max	109.70	-117000.00	1	77556.00	17	9291.36	9	33150.00	17	9291.36	5	211200.00	17
10	-76	152	Min.	0.00	-180539.00	17	-4323.94	9	-789610.00	17	-4323.94	5	-421997.00	17	0.00	1
10	-76	152	Min.	109.70	-178700.00	17	-4323.94	9	-704531.00	17	-4323.94	5	-385631.00	17	0.00	1
10	152	-75	Max	0.00	-117000.00	1	77556.00	17	9291.36	9	33150.00	17	9291.36	5	211200.00	17
10	152	-75	Max	109.70	-115250.00	1	77556.00	17	4610.77	9	33150.00	17	4610.77	5	211200.00	17
10	152	-75	Min.	0.00	-178700.00	17	-4266.78	9	-704532.00	17	-4266.78	5	-385631.00	17	0.00	1
10	152	-75	Min.	109.70	-176425.00	17	-4266.78	9	-619454.00	17	-4266.78	5	-349266.00	17	0.00	1
10	-75	153	Max	0.00	-115250.00	1	76119.00	17	4610.71	9	33150.00	17	4610.71	5	211200.00	17
10	-75	153	Max	109.70	-113500.00	1	76119.00	17	0.06	13	33150.00	17	0.06	1	211200.00	17
10	-75	153	Min.	0.00	-176425.00	17	-4203.01	9	-619453.00	17	-4203.01	5	-349266.00	17	0.00	1
10	-75	153	Min.	109.70	-174150.00	17	-4203.01	9	-535949.00	17	-4203.01	5	-312900.00	17	0.00	1

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
0	Max	363	0.00	1	0.00	1	0.00	1	82288.60	17	-10077.20	1	3066.86	11	-3087.45	9	-14094.00	1
0	Max	364	0.00	1	0.00	1	0.00	1	82288.60	17	-10077.20	1	3066.86	11	-3087.45	9	-14094.00	1
0	Max	345	0.00	1	0.00	1	0.00	1	82288.60	17	-10077.20	1	3066.86	11	-3087.45	9	-14094.00	1
0	Max	344	0.00	1	0.00	1	0.00	1	82288.60	17	-10077.20	1	3066.86	11	-3087.45	9	-14094.00	1
0	Min.	363	0.00	1	0.00	1	0.00	1	64379.30	18	-15215.60	17	-34258.90	17	-7657.40	17	-32212.40	17
0	Min.	364	0.00	1	0.00	1	0.00	1	64379.30	18	-15215.60	17	-34258.90	17	-7657.40	17	-32212.40	17
0	Min.	345	0.00	1	0.00	1	0.00	1	64379.30	18	-15215.60	17	-34258.90	17	-7657.40	17	-32212.40	17
0	Min.	344	0.00	1	0.00	1	0.00	1	64379.30	18	-15215.60	17	-34258.90	17	-7657.40	17	-32212.40	17
0	Max	365	0.00	1	0.00	1	0.00	1	134810.00	17	-10089.90	9	2851.08	5	-3090.06	11	-13957.80	9
0	Max	366	0.00	1	0.00	1	0.00	1	134810.00	17	-10089.90	9	2851.08	5	-3090.06	11	-13957.80	9
0	Max	347	0.00	1	0.00	1	0.00	1	134810.00	17	-10089.90	9	2851.08	5	-3090.06	11	-13957.80	9
0	Max	346	0.00	1	0.00	1	0.00	1	134810.00	17	-10089.90	9	2851.08	5	-3090.06	11	-13957.80	9
0	Min.	365	0.00	1	0.00	1	0.00	1	72981.40	1	-20914.20	17	-29979.80	17	-7616.35	17	-44680.30	17
0	Min.	366	0.00	1	0.00	1	0.00	1	72981.40	1	-20914.20	17	-29979.80	17	-7616.35	17	-44680.30	17
0	Min.	347	0.00	1	0.00	1	0.00	1	72981.40	1	-20914.20	17	-29979.80	17	-7616.35	17	-44680.30	17
0	Min.	346	0.00	1	0.00	1	0.00	1	72981.40	1	-20914.20	17	-29979.80	17	-7616.35	17	-44680.30	17
0	Max	293	0.00	1	0.00	1	0.00	1	468427.00	17	878896.00	17	94644.40	17	123214.00	17	4378.84	17
0	Max	294	0.00	1	0.00	1	0.00	1	468427.00	17	878896.00	17	94644.40	17	123214.00	17	4378.84	17
0	Max	265	0.00	1	0.00	1	0.00	1	468427.00	17	878896.00	17	94644.40	17	123214.00	17	4378.84	17
0	Max	264	0.00	1	0.00	1	0.00	1	468427.00	17	878896.00	17	94644.40	17	123214.00	17	4378.84	17
0	Min.	293	0.00	1	0.00	1	0.00	1	152295.00	11	90533.70	11	-18187.90	1	9067.92	11	-747.10	7
0	Min.	294	0.00	1	0.00	1	0.00	1	152295.00	11	90533.70	11	-18187.90	1	9067.92	11	-747.10	7
0	Min.	265	0.00	1	0.00	1	0.00	1	152295.00	11	90533.70	11	-18187.90	1	9067.92	11	-747.10	7
0	Min.	264	0.00	1	0.00	1	0.00	1	152295.00	11	90533.70	11	-18187.90	1	9067.92	11	-747.10	7
0	Max	288	0.00	1	0.00	1	0.00	1	212386.00	17	362925.00	17	11013.30	11	36005.20	17	40746.50	17
0	Max	289	0.00	1	0.00	1	0.00	1	212386.00	17	362925.00	17	11013.30	11	36005.20	17	40746.50	17
0	Max	260	0.00	1	0.00	1	0.00	1	212386.00	17	362925.00	17	11013.30	11	36005.20	17	40746.50	17
0	Max	259	0.00	1	0.00	1	0.00	1	212386.00	17	362925.00	17	11013.30	11	36005.20	17	40746.50	17
0	Min.	288	0.00	1	0.00	1	0.00	1	152285.00	1	90543.90	1	-272671.00	17	9067.63	1	-744.21	11
0	Min.	289	0.00	1	0.00	1	0.00	1	152285.00	1	90543.90	1	-272671.00	17	9067.63	1	-744.21	11
0	Min.	260	0.00	1	0.00	1	0.00	1	152285.00	1	90543.90	1	-272671.00	17	9067.63	1	-744.21	11
0	Min.	259	0.00	1	0.00	1	0.00	1	152285.00	1	90543.90	1	-272671.00	17	9067.63	1	-744.21	11
0	Max	349	0.00	1	0.00	1	0.00	1	238699.00	17	28603.10	17	6605.29	7	70661.50	17	34476.40	17
0	Max	350	0.00	1	0.00	1	0.00	1	238699.00	17	28603.10	17	6605.29	7	70661.50	17	34476.40	17
0	Max	331	0.00	1	0.00	1	0.00	1	238699.00	17	28603.10	17	6605.29	7	70661.50	17	34476.40	17
0	Max	330	0.00	1	0.00	1	0.00	1	238699.00	17	28603.10	17	6605.29	7	70661.50	17	34476.40	17
0	Min.	349	0.00	1	0.00	1	0.00	1	89482.90	11	-4757.61	11	-3753.82	17	18085.30	11	11132.40	11
0	Min.	350	0.00	1	0.00	1	0.00	1	89482.90	11	-4757.61	11	-3753.82	17	18085.30	11	11132.40	11
0	Min.	331	0.00	1	0.00	1	0.00	1	89482.90	11	-4757.61	11	-3753.82	17	18085.30	11	11132.40	11
0	Min.	330	0.00	1	0.00	1	0.00	1	89482.90	11	-4757.61	11	-3753.82	17	18085.30	11	11132.40	11
0	Max	355	0.00	1	0.00	1	0.00	1	81609.50	1	-5974.88	18	32895.30	17	-890.73	17	4221.59	17
0	Max	356	0.00	1	0.00	1	0.00	1	81609.50	1	-5974.88	18	32895.30	17	-890.73	17	4221.59	17
0	Max	337	0.00	1	0.00	1	0.00	1	81609.50	1	-5974.88	18	32895.30	17	-890.73	17	4221.59	17
0	Max	336	0.00	1	0.00	1	0.00	1	81609.50	1	-5974.88	18	32895.30	17	-890.73	17	4221.59	17
0	Min.	355	0.00	1	0.00	1	0.00	1	55467.80	18	-11170.20	9	-609.79	5	-3458.54	11	-16986.00	9
0	Min.	356	0.00	1	0.00	1	0.00	1	55467.80	18	-11170.20	9	-609.79	5	-3458.54	11	-16986.00	9
0	Min.	337	0.00	1	0.00	1	0.00	1	55467.80	18	-11170.20	9	-609.79	5	-3458.54	11	-16986.00	9
0	Min.	336	0.00	1	0.00	1	0.00	1	55467.80	18	-11170.20	9	-609.79	5	-3458.54	11	-16986.00	9
0	Max	360	0.00	1	0.00	1	0.00	1	81437.90	5	-3040.18	17	-1612.19	1	-1704.30	18	16891.00	11
0	Max	361	0.00	1	0.00	1	0.00	1	81437.90	5	-3040.18	17	-1612.19	1	-1704.30	18	16891.00	11
0	Max	342	0.00	1	0.00	1	0.00	1	81437.90	5	-3040.18	17	-1612.19	1	-1704.30	18	16891.00	11
0	Max	341	0.00	1	0.00	1	0.00	1	81437.90	5	-3040.18	17	-1612.19	1	-1704.30	18	16891.00	11
0	Min.	360	0.00	1	0.00	1	0.00	1	30311.80	18	-11097.50	11	-19749.50	17	-3895.80	9	-7583.38	17
0	Min.	361	0.00	1	0.00	1	0.00	1	30311.80	18	-11097.50	11	-19749.50	17	-3895.80	9	-7583.38	17
0	Min.	342	0.00	1	0.00	1	0.00	1	30311.80	18	-11097.50	11	-19749.50	17	-3895.80	9	-7583.38	17
0	Min.	341	0.00	1	0.00	1	0.00	1	30311.80	18	-11097.50	11	-19749.50	17	-3895.80	9	-7583.38	17
0	Max	284	0.00	1	0.00	1	0.00	1	179025.00	11	165899.00	5	11120.80	9	19864.50	11	11094.30	17
0	Max	285	0.00	1	0.00	1	0.00	1	179025.00	11	165899.00	5	11120.80	9	19864.50	11	11094.30	17
0	Max	256	0.00	1	0.00	1	0.00	1	179025.00	11	165899.00	5	11120.80	9	19864.50	11	11094.30	17
0	Max	255	0.00	1	0.00	1	0.00	1	179025.00	11	165899.00	5	11120.80	9	19864.50	11	11094.30	17
0	Min.	284	0.00	1	0.00	1	0.00	1	-20643.20	17	-443899.00	17	-183622.00	17	-73877.10	17	-694.64	1
0	Min.	285	0.00	1	0.00	1	0.00	1	-20643.20	17	-443899.00	17	-183622.00	17	-73877.10	17	-694.64	1
0	Min.	256	0.00	1	0.00	1	0.00	1	-20643.20	17	-443899.00	17	-183622.00	17	-73877.10	17	-694.64	1
0	Min.	255	0.00	1	0.00	1	0.00	1	-20643.20	17	-443899.00	17	-183622.00	17	-73877.10	17	-694.64	1
0	Max	279	0.00	1	0.00	1	0.00	1	179036.00	1	165887.00	9	217104.00	17	19864.70	1	3473.47	11
0	Max	280	0.00	1	0.00	1	0.00	1	179036.00	1	165887.00	9	217104.00	17	19864.70	1	3473.47	11
0	Max	251	0.00	1	0.00	1	0.00	1	179036.00	1	165887.00	9	217104.00	17	19864.70	1	3473.47	11
0	Max	250	0.00	1	0.00	1	0.00	1	179036.00	1	165887.00	9	217104.00	17	19864.70	1	3473.47	11
0	Min.	279	0.00	1	0.00	1	0.00	1	118708.00	18	-231572.00	17	-18298.50	5	-28025.70	17	-36437.90	17

0	Min.	280	0.00	1	0.00	1	0.00	1	118708.00	18	-231572.00	17	-18298.50	5	-28025.70	17	-36437.90	17
0	Min.	251	0.00	1	0.00	1	0.00	1	118708.00	18	-231572.00	17	-18298.50	5	-28025.70	17	-36437.90	17
0	Min.	250	0.00	1	0.00	1	0.00	1	118708.00	18	-231572.00	17	-18298.50	5	-28025.70	17	-36437.90	17
0	Max	287	0.00	1	0.00	1	0.00	1	179191.00	5	169298.00	7	11990.10	11	20375.90	7	37976.60	17
0	Max	288	0.00	1	0.00	1	0.00	1	179191.00	5	169298.00	7	11990.10	11	20375.90	7	37976.60	17
0	Max	259	0.00	1	0.00	1	0.00	1	179191.00	5	169298.00	7	11990.10	11	20375.90	7	37976.60	17
0	Max	258	0.00	1	0.00	1	0.00	1	179191.00	5	169298.00	7	11990.10	11	20375.90	7	37976.60	17
0	Min.	287	0.00	1	0.00	1	0.00	1	110653.00	18	89327.20	1	-290535.00	17	3183.35	17	-717.62	9
0	Min.	288	0.00	1	0.00	1	0.00	1	110653.00	18	89327.20	1	-290535.00	17	3183.35	17	-717.62	9
0	Min.	259	0.00	1	0.00	1	0.00	1	110653.00	18	89327.20	1	-290535.00	17	3183.35	17	-717.62	9
0	Min.	258	0.00	1	0.00	1	0.00	1	110653.00	18	89327.20	1	-290535.00	17	3183.35	17	-717.62	9
0	Max	282	0.00	1	0.00	1	0.00	1	179180.00	9	169310.00	11	11933.50	1	20375.70	11	3496.41	5
0	Max	283	0.00	1	0.00	1	0.00	1	179180.00	9	169310.00	11	11933.50	1	20375.70	11	3496.41	5
0	Max	254	0.00	1	0.00	1	0.00	1	179180.00	9	169310.00	11	11933.50	1	20375.70	11	3496.41	5
0	Max	253	0.00	1	0.00	1	0.00	1	179180.00	9	169310.00	11	11933.50	1	20375.70	11	3496.41	5
0	Min.	282	0.00	1	0.00	1	0.00	1	-16705.50	17	-562871.00	17	-19165.20	7	-84017.70	17	-13084.40	17
0	Min.	283	0.00	1	0.00	1	0.00	1	-16705.50	17	-562871.00	17	-19165.20	7	-84017.70	17	-13084.40	17
0	Min.	254	0.00	1	0.00	1	0.00	1	-16705.50	17	-562871.00	17	-19165.20	7	-84017.70	17	-13084.40	17
0	Min.	253	0.00	1	0.00	1	0.00	1	-16705.50	17	-562871.00	17	-19165.20	7	-84017.70	17	-13084.40	17
0	Max	281	0.00	1	0.00	1	0.00	1	179506.00	9	168508.00	9	69979.80	17	20429.30	9	3512.55	5
0	Max	282	0.00	1	0.00	1	0.00	1	179506.00	9	168508.00	9	69979.80	17	20429.30	9	3512.55	5
0	Max	253	0.00	1	0.00	1	0.00	1	179506.00	9	168508.00	9	69979.80	17	20429.30	9	3512.55	5
0	Max	252	0.00	1	0.00	1	0.00	1	179506.00	9	168508.00	9	69979.80	17	20429.30	9	3512.55	5
0	Min.	281	0.00	1	0.00	1	0.00	1	20523.90	17	-515892.00	17	-18509.40	7	-73873.50	17	-23604.80	17
0	Min.	282	0.00	1	0.00	1	0.00	1	20523.90	17	-515892.00	17	-18509.40	7	-73873.50	17	-23604.80	17
0	Min.	253	0.00	1	0.00	1	0.00	1	20523.90	17	-515892.00	17	-18509.40	7	-73873.50	17	-23604.80	17
0	Min.	252	0.00	1	0.00	1	0.00	1	20523.90	17	-515892.00	17	-18509.40	7	-73873.50	17	-23604.80	17
0	Max	316	0.00	1	0.00	1	0.00	1	133317.00	17	51662.10	1	134404.00	17	20006.20	1	1751.23	11
0	Max	317	0.00	1	0.00	1	0.00	1	133317.00	17	51662.10	1	134404.00	17	20006.20	1	1751.23	11
0	Max	298	0.00	1	0.00	1	0.00	1	133317.00	17	51662.10	1	134404.00	17	20006.20	1	1751.23	11
0	Max	297	0.00	1	0.00	1	0.00	1	133317.00	17	51662.10	1	134404.00	17	20006.20	1	1751.23	11
0	Min.	316	0.00	1	0.00	1	0.00	1	103697.00	18	18776.60	18	-4832.40	11	10820.10	18	-14587.10	17
0	Min.	317	0.00	1	0.00	1	0.00	1	103697.00	18	18776.60	18	-4832.40	11	10820.10	18	-14587.10	17
0	Min.	298	0.00	1	0.00	1	0.00	1	103697.00	18	18776.60	18	-4832.40	11	10820.10	18	-14587.10	17
0	Min.	297	0.00	1	0.00	1	0.00	1	103697.00	18	18776.60	18	-4832.40	11	10820.10	18	-14587.10	17
0	Max	332	0.00	1	0.00	1	0.00	1	302356.00	17	196989.00	17	75142.50	17	68789.30	17	1698.99	1
0	Max	333	0.00	1	0.00	1	0.00	1	302356.00	17	196989.00	17	75142.50	17	68789.30	17	1698.99	1
0	Max	314	0.00	1	0.00	1	0.00	1	302356.00	17	196989.00	17	75142.50	17	68789.30	17	1698.99	1
0	Max	313	0.00	1	0.00	1	0.00	1	302356.00	17	196989.00	17	75142.50	17	68789.30	17	1698.99	1
0	Min.	332	0.00	1	0.00	1	0.00	1	112308.00	11	34919.70	5	-4334.70	9	14643.50	11	-4457.20	17
0	Min.	333	0.00	1	0.00	1	0.00	1	112308.00	11	34919.70	5	-4334.70	9	14643.50	11	-4457.20	17
0	Min.	314	0.00	1	0.00	1	0.00	1	112308.00	11	34919.70	5	-4334.70	9	14643.50	11	-4457.20	17
0	Min.	313	0.00	1	0.00	1	0.00	1	112308.00	11	34919.70	5	-4334.70	9	14643.50	11	-4457.20	17
0	Max	308	0.00	1	0.00	1	0.00	1	274318.00	17	304826.00	17	5586.31	5	52100.00	17	28331.90	17
0	Max	309	0.00	1	0.00	1	0.00	1	274318.00	17	304826.00	17	5586.31	5	52100.00	17	28331.90	17
0	Max	290	0.00	1	0.00	1	0.00	1	274318.00	17	304826.00	17	5586.31	5	52100.00	17	28331.90	17
0	Max	289	0.00	1	0.00	1	0.00	1	274318.00	17	304826.00	17	5586.31	5	52100.00	17	28331.90	17
0	Min.	308	0.00	1	0.00	1	0.00	1	132890.00	1	67792.90	9	-161333.00	17	11706.80	1	-660.24	11
0	Min.	309	0.00	1	0.00	1	0.00	1	132890.00	1	67792.90	9	-161333.00	17	11706.80	1	-660.24	11
0	Min.	290	0.00	1	0.00	1	0.00	1	132890.00	1	67792.90	9	-161333.00	17	11706.80	1	-660.24	11
0	Min.	289	0.00	1	0.00	1	0.00	1	132890.00	1	67792.90	9	-161333.00	17	11706.80	1	-660.24	11
0	Max	334	0.00	1	0.00	1	0.00	1	231868.00	17	120805.00	17	128794.00	17	45226.70	17	1751.86	9
0	Max	275	0.00	1	0.00	1	0.00	1	231868.00	17	120805.00	17	128794.00	17	45226.70	17	1751.86	9
0	Max	274	0.00	1	0.00	1	0.00	1	231868.00	17	120805.00	17	128794.00	17	45226.70	17	1751.86	9
0	Max	315	0.00	1	0.00	1	0.00	1	231868.00	17	120805.00	17	128794.00	17	45226.70	17	1751.86	9
0	Min.	334	0.00	1	0.00	1	0.00	1	111443.00	5	34104.50	5	-4902.91	9	14334.70	5	-12043.40	17
0	Min.	275	0.00	1	0.00	1	0.00	1	111443.00	5	34104.50	5	-4902.91	9	14334.70	5	-12043.40	17
0	Min.	274	0.00	1	0.00	1	0.00	1	111443.00	5	34104.50	5	-4902.91	9	14334.70	5	-12043.40	17
0	Min.	315	0.00	1	0.00	1	0.00	1	111443.00	5	34104.50	5	-4902.91	9	14334.70	5	-12043.40	17
0	Max	338	0.00	1	0.00	1	0.00	1	101542.00	9	-983.99	9	40392.00	17	23323.00	9	-1129.22	17
0	Max	339	0.00	1	0.00	1	0.00	1	101542.00	9	-983.99	9	40392.00	17	23323.00	9	-1129.22	17
0	Max	320	0.00	1	0.00	1	0.00	1	101542.00	9	-983.99	9	40392.00	17	23323.00	9	-1129.22	17
0	Max	319	0.00	1	0.00	1	0.00	1	101542.00	9	-983.99	9	40392.00	17	23323.00	9	-1129.22	17
0	Min.	338	0.00	1	0.00	1	0.00	1	26621.60	17	-34367.80	17	-10239.90	5	-15276.80	17	-12313.90	9
0	Min.	339	0.00	1	0.00	1	0.00	1	26621.60	17	-34367.80	17	-10239.90	5	-15276.80	17	-12313.90	9
0	Min.	320	0.00	1	0.00	1	0.00	1	26621.60	17	-34367.80	17	-10239.90	5	-15276.80	17	-12313.90	9
0	Min.	319	0.00	1	0.00	1	0.00	1	26621.60	17	-34367.80	17	-10239.90	5	-15276.80	17	-12313.90	9
0	Max	340	0.00	1	0.00	1	0.00	1	101518.00	11	-1002.74	11	-75.10	1	23295.80	11	2118.86	17
0	Max	341	0.00	1	0.00	1	0.00	1	101518.00	11	-1002.74	11	-75.10	1	23295.80	11	2118.86	17
0	Max	322	0.00	1	0.00	1	0.00	1	101518.00	11	-1002.74	11	-75.10	1	23295.80	11	2118.86	17
0	Max	321	0.00	1	0.00	1	0.00	1	101518.00	11	-1002.74	11	-75.10	1	23295.80	11	2118.86	17
0	Min.	340	0.00	1	0.00	1	0.00	1	13360.40	17	-35285.60	17	-15960.70	17	-16297.10	17	-12315.40	11
0	Min.	341	0.00	1	0.00	1	0.00	1	13360.40	17	-35285.60	17	-15960.70	17	-16297.10	17	-12315.40	11
0	Min.	322	0.00	1	0.00	1	0.00	1	13360.40	17	-35285.60	17	-15960.70	17	-16297.10	17	-12315.40	11
0	Min.	321	0.00	1	0.00	1	0.00	1	13360.40	17	-35285.60	17	-15960.70	17	-16297.10	17	-12315.40	11
0	Max	280	0.00	1	0.00	1	0.00	1	178479.00	9	169159.00	9	151197.00	17	20326.10	9	3326.64	5
0	Max	281	0.00	1	0.00	1	0.00	1	178479.00	9	169159.00	9	151197.00	17	20326.10	9	3326.64	5
0	Max	252	0.00	1	0.00	1	0.00	1	178479.00	9	169159.00	9	151197.00	17	20326.10	9	3326.64	5
0	Max	251	0.00	1	0.00	1	0.00	1	178479.00	9	169159.00	9	151197.00	17	20326.10	9	3326.64	5
0	Min.	280	0.00	1	0.00	1	0.00	1	71714.50	18	-401747.00	17	-19172.80	5	-54580.30	17	-31644.30	17
0	Min.	281	0.00	1	0.00	1	0.00	1	71714.50	18	-401747.00	17	-19172.80	5	-54580.30	17	-31644.30	17
0	Min.	252	0.00	1	0.00	1	0.00	1	71714.50	18	-401747.00	17	-19172.80	5	-54580.30	17	-31644.30	17
0	Min.	251	0.00	1	0.00	1	0.00	1	71714.50	18	-401747.00	17	-19172.80	5	-54580.30	17	-31644.30	17
0	Max	321	0.00	1	0.00	1	0.00	1	128424.00	11	52160.80	11	685.04	1	20031.10	11	2353.00	17
0	Max	322	0.00	1	0.00	1	0.00	1	128424.00	11	52160.80	11	685.04	1	20031.10	11	2353.00	17
0	Max	303	0.00	1	0.00	1	0.00	1	128424.00	11	52160.80	11	685.04	1	20031.10	11	2353.00	17
0	Max	302	0.00	1	0.00	1	0.00	1	128424.00	11	52160.80	11	685.04	1	20031.10	11	2353.00	17
0	Min.	321	0.00	1	0.00	1	0.00	1	-1632.99	17	-102768.00	17	-27293.10	17	-29081.40	17	-781.49	1
0	Min.	322	0.00	1	0.00	1	0.00	1	-1632.99	17	-102768.00	17	-27293.10	17	-29081.40	17	-781.49	1
0	Min.	303	0.00	1	0.00	1	0.00	1	-1632.99	17	-102768.00	17	-27293.10	17	-29081.40	17	-781.49	1
0	Min.	302	0.00	1	0.00	1	0.00	1	-1632.99	17	-102768.00	17	-27293.10	17	-29081.40	17	-781.49	1
0	Max	326	0.00	1	0.00	1	0.00	1	183483.00	17	92532.40	17	9551.63	11	32180.90	17	16905.30	17
0	Max	327	0.00	1	0.00	1	0.00	1	183483.00	17	92532.40	17	9551.63	11	32180.90	17	16905.30	17
0	Max	308	0.00	1	0.00	1	0.00	1	183483.00	17	92532.40	17	9551.63	11	32180.90	17	16905.30	17
0	Max	307	0.00	1	0.00	1	0.00	1	183483.00	17	92532.40	17	9551.63	11	32180.90	17	16905.30	17
0	Min.	326	0.00	1	0.00	1	0.00	1	111491.00	1	34180.70	1	-128362.00	17	14354.00	1	31.59	11
0	Min.	327	0.00	1	0.00	1	0.00	1	111491.00	1	34180.70	1	-128362.00	17	14354.00	1	31.59	11
0	Min.	308	0.00	1	0.00	1	0.00	1	111491.00	1	34180.70	1	-128362.00	17	14354.00	1	31.59	11
0	Min.	307	0.00	1	0.00	1	0.00	1	111491.00	1	34180.70	1	-128362.00	17	14354.00	1	31.59	11
0	Max	311	0.00	1	0.00	1	0.00	1	393875.00	17	476296.00	17	7848.42	7	88299.30	17	7318.14	17
0	Max	312	0.00	1	0.00	1	0.00	1	393875.00	17	476296.00	17	7848.42	7	88299.30	17	7318.14	17
0	Max	293	0.00	1	0.00	1	0.00	1	393875.00	17	476296.00	17	7848.42	7	88299.30	17	7318.14	17
0	Max	292	0.00	1	0.00	1	0.00	1	393875.00	17	476296.00	17	7848.42	7	88299.30	17	7318.14	17
0	Min.	311	0.00	1	0.00	1	0.00	1	132323.00	11	65823.30	11	-16743.30	17	11348.50	11	-988.82	7
0	Min.	312	0.00	1	0.00	1	0.00	1	132323.00	11	65823.30	11	-16743.30	17	11348.50	11	-988.82	7

0	Min.	293	0.00	1	0.00	1	0.00	1	132323.00	11	65823.30	11	-16743.30	17	11348.50	11	-988.82	7
0	Min.	292	0.00	1	0.00	1	0.00	1	132323.00	11	65823.30	11	-16743.30	17	11348.50	11	-988.82	7
0	Max	306	0.00	1	0.00	1	0.00	1	154478.00	7	105624.00	7	6573.03	11	18783.90	7	29665.30	17
0	Max	307	0.00	1	0.00	1	0.00	1	154478.00	7	105624.00	7	6573.03	11	18783.90	7	29665.30	17
0	Max	288	0.00	1	0.00	1	0.00	1	154478.00	7	105624.00	7	6573.03	11	18783.90	7	29665.30	17
0	Max	287	0.00	1	0.00	1	0.00	1	154478.00	7	105624.00	7	6573.03	11	18783.90	7	29665.30	17
0	Min.	306	0.00	1	0.00	1	0.00	1	114923.00	18	65922.70	1	-186626.00	17	8522.72	18	-720.90	11
0	Min.	307	0.00	1	0.00	1	0.00	1	114923.00	18	65922.70	1	-186626.00	17	8522.72	18	-720.90	11
0	Min.	288	0.00	1	0.00	1	0.00	1	114923.00	18	65922.70	1	-186626.00	17	8522.72	18	-720.90	11
0	Min.	287	0.00	1	0.00	1	0.00	1	114923.00	18	65922.70	1	-186626.00	17	8522.72	18	-720.90	11
0	Max	301	0.00	1	0.00	1	0.00	1	154615.00	11	105488.00	11	10820.30	17	18798.40	11	2131.53	7
0	Max	302	0.00	1	0.00	1	0.00	1	154615.00	11	105488.00	11	10820.30	17	18798.40	11	2131.53	7
0	Max	283	0.00	1	0.00	1	0.00	1	154615.00	11	105488.00	11	10820.30	17	18798.40	11	2131.53	7
0	Max	282	0.00	1	0.00	1	0.00	1	154615.00	11	105488.00	11	10820.30	17	18798.40	11	2131.53	7
0	Min.	301	0.00	1	0.00	1	0.00	1	-15591.90	17	-251332.00	17	-12042.10	7	-48462.20	17	-5896.97	17
0	Min.	302	0.00	1	0.00	1	0.00	1	-15591.90	17	-251332.00	17	-12042.10	7	-48462.20	17	-5896.97	17
0	Min.	283	0.00	1	0.00	1	0.00	1	-15591.90	17	-251332.00	17	-12042.10	7	-48462.20	17	-5896.97	17
0	Min.	282	0.00	1	0.00	1	0.00	1	-15591.90	17	-251332.00	17	-12042.10	7	-48462.20	17	-5896.97	17
0	Max	274	0.00	1	0.00	1	0.00	1	232003.00	17	139638.00	17	177426.00	17	29759.00	17	2392.59	11
0	Max	297	0.00	1	0.00	1	0.00	1	232003.00	17	139638.00	17	177426.00	17	29759.00	17	2392.59	11
0	Max	278	0.00	1	0.00	1	0.00	1	232003.00	17	139638.00	17	177426.00	17	29759.00	17	2392.59	11
0	Max	273	0.00	1	0.00	1	0.00	1	232003.00	17	139638.00	17	177426.00	17	29759.00	17	2392.59	11
0	Min.	274	0.00	1	0.00	1	0.00	1	132226.00	7	65922.70	7	-13273.00	11	11338.20	7	-27552.60	17
0	Min.	297	0.00	1	0.00	1	0.00	1	132226.00	7	65922.70	7	-13273.00	11	11338.20	7	-27552.60	17
0	Min.	278	0.00	1	0.00	1	0.00	1	132226.00	7	65922.70	7	-13273.00	11	11338.20	7	-27552.60	17
0	Min.	273	0.00	1	0.00	1	0.00	1	132226.00	7	65922.70	7	-13273.00	11	11338.20	7	-27552.60	17
0	Max	292	0.00	1	0.00	1	0.00	1	454216.00	17	903729.00	17	11933.50	7	123213.00	17	16335.30	17
0	Max	293	0.00	1	0.00	1	0.00	1	454216.00	17	903729.00	17	11933.50	7	123213.00	17	16335.30	17
0	Max	264	0.00	1	0.00	1	0.00	1	454216.00	17	903729.00	17	11933.50	7	123213.00	17	16335.30	17
0	Max	263	0.00	1	0.00	1	0.00	1	454216.00	17	903729.00	17	11933.50	7	123213.00	17	16335.30	17
0	Min.	292	0.00	1	0.00	1	0.00	1	152637.00	9	89337.20	11	-19165.20	1	9089.29	11	-714.70	5
0	Min.	293	0.00	1	0.00	1	0.00	1	152637.00	9	89337.20	11	-19165.20	1	9089.29	11	-714.70	5
0	Min.	264	0.00	1	0.00	1	0.00	1	152637.00	9	89337.20	11	-19165.20	1	9089.29	11	-714.70	5
0	Min.	263	0.00	1	0.00	1	0.00	1	152637.00	9	89337.20	11	-19165.20	1	9089.29	11	-714.70	5
0	Max	297	0.00	1	0.00	1	0.00	1	165766.00	17	105059.00	1	174776.00	17	18793.90	1	2172.47	11
0	Max	298	0.00	1	0.00	1	0.00	1	165766.00	17	105059.00	1	174776.00	17	18793.90	1	2172.47	11
0	Max	279	0.00	1	0.00	1	0.00	1	165766.00	17	105059.00	1	174776.00	17	18793.90	1	2172.47	11
0	Max	278	0.00	1	0.00	1	0.00	1	165766.00	17	105059.00	1	174776.00	17	18793.90	1	2172.47	11
0	Min.	297	0.00	1	0.00	1	0.00	1	128134.00	18	26528.80	17	-11825.40	11	7186.25	18	-28595.10	17
0	Min.	298	0.00	1	0.00	1	0.00	1	128134.00	18	26528.80	17	-11825.40	11	7186.25	18	-28595.10	17
0	Min.	279	0.00	1	0.00	1	0.00	1	128134.00	18	26528.80	17	-11825.40	11	7186.25	18	-28595.10	17
0	Min.	278	0.00	1	0.00	1	0.00	1	128134.00	18	26528.80	17	-11825.40	11	7186.25	18	-28595.10	17
0	Max	320	0.00	1	0.00	1	0.00	1	128898.00	11	51814.50	11	12099.40	17	20019.00	11	1719.21	7
0	Max	321	0.00	1	0.00	1	0.00	1	128898.00	11	51814.50	11	12099.40	17	20019.00	11	1719.21	7
0	Max	302	0.00	1	0.00	1	0.00	1	128898.00	11	51814.50	11	12099.40	17	20019.00	11	1719.21	7
0	Max	301	0.00	1	0.00	1	0.00	1	128898.00	11	51814.50	11	12099.40	17	20019.00	11	1719.21	7
0	Min.	320	0.00	1	0.00	1	0.00	1	-1058.46	17	-106917.00	17	-5012.09	7	-29506.80	17	-2956.30	17
0	Min.	321	0.00	1	0.00	1	0.00	1	-1058.46	17	-106917.00	17	-5012.09	7	-29506.80	17	-2956.30	17
0	Min.	302	0.00	1	0.00	1	0.00	1	-1058.46	17	-106917.00	17	-5012.09	7	-29506.80	17	-2956.30	17
0	Min.	301	0.00	1	0.00	1	0.00	1	-1058.46	17	-106917.00	17	-5012.09	7	-29506.80	17	-2956.30	17
0	Max	325	0.00	1	0.00	1	0.00	1	128902.00	17	52394.80	7	611.90	11	20044.50	7	15481.20	17
0	Max	326	0.00	1	0.00	1	0.00	1	128902.00	17	52394.80	7	611.90	11	20044.50	7	15481.20	17
0	Max	307	0.00	1	0.00	1	0.00	1	128902.00	17	52394.80	7	611.90	11	20044.50	7	15481.20	17
0	Max	306	0.00	1	0.00	1	0.00	1	128902.00	17	52394.80	7	611.90	11	20044.50	7	15481.20	17
0	Min.	325	0.00	1	0.00	1	0.00	1	100689.00	18	34449.90	1	-141900.00	17	12673.20	18	-775.47	11
0	Min.	326	0.00	1	0.00	1	0.00	1	100689.00	18	34449.90	1	-141900.00	17	12673.20	18	-775.47	11
0	Min.	307	0.00	1	0.00	1	0.00	1	100689.00	18	34449.90	1	-141900.00	17	12673.20	18	-775.47	11
0	Min.	306	0.00	1	0.00	1	0.00	1	100689.00	18	34449.90	1	-141900.00	17	12673.20	18	-775.47	11
0	Max	333	0.00	1	0.00	1	0.00	1	274072.00	17	161900.00	17	85017.00	17	58815.90	17	894.68	9
0	Max	334	0.00	1	0.00	1	0.00	1	274072.00	17	161900.00	17	85017.00	17	58815.90	17	894.68	9
0	Max	315	0.00	1	0.00	1	0.00	1	274072.00	17	161900.00	17	85017.00	17	58815.90	17	894.68	9
0	Max	314	0.00	1	0.00	1	0.00	1	274072.00	17	161900.00	17	85017.00	17	58815.90	17	894.68	9
0	Min.	333	0.00	1	0.00	1	0.00	1	111182.00	5	34489.30	5	-13819.80	9	14383.20	5	-10851.80	17
0	Min.	334	0.00	1	0.00	1	0.00	1	111182.00	5	34489.30	5	-13819.80	9	14383.20	5	-10851.80	17
0	Min.	315	0.00	1	0.00	1	0.00	1	111182.00	5	34489.30	5	-13819.80	9	14383.20	5	-10851.80	17
0	Min.	314	0.00	1	0.00	1	0.00	1	111182.00	5	34489.30	5	-13819.80	9	14383.20	5	-10851.80	17
0	Max	312	0.00	1	0.00	1	0.00	1	396655.00	17	467298.00	17	36323.90	17	87947.90	17	2440.77	1
0	Max	313	0.00	1	0.00	1	0.00	1	396655.00	17	467298.00	17	36323.90	17	87947.90	17	2440.77	1
0	Max	294	0.00	1	0.00	1	0.00	1	396655.00	17	467298.00	17	36323.90	17	87947.90	17	2440.77	1
0	Max	293	0.00	1	0.00	1	0.00	1	396655.00	17	467298.00	17	36323.90	17	87947.90	17	2440.77	1
0	Min.	312	0.00	1	0.00	1	0.00	1	132002.00	11	66366.80	11	-13096.40	1	11340.40	11	-1101.34	17
0	Min.	313	0.00	1	0.00	1	0.00	1	132002.00	11	66366.80	11	-13096.40	1	11340.40	11	-1101.34	17
0	Min.	294	0.00	1	0.00	1	0.00	1	132002.00	11	66366.80	11	-13096.40	1	11340.40	11	-1101.34	17
0	Min.	293	0.00	1	0.00	1	0.00	1	132002.00	11	66366.80	11	-13096.40	1	11340.40	11	-1101.34	17
0	Max	336	0.00	1	0.00	1	0.00	1	101005.00	1	-1097.00	9	78736.60	17	23179.60	9	-7892.65	18
0	Max	337	0.00	1	0.00	1	0.00	1	101005.00	1	-1097.00	9	78736.60	17	23179.60	9	-7892.65	18
0	Max	318	0.00	1	0.00	1	0.00	1	101005.00	1	-1097.00	9	78736.60	17	23179.60	9	-7892.65	18
0	Max	317	0.00	1	0.00	1	0.00	1	101005.00	1	-1097.00	9	78736.60	17	23179.60	9	-7892.65	18
0	Min.	336	0.00	1	0.00	1	0.00	1	63570.40	18	-21698.80	17	-9840.63	11	2049.08	17	-12273.30	1
0	Min.	337	0.00	1	0.00	1	0.00	1	63570.40	18	-21698.80	17	-9840.63	11	2049.08	17	-12273.30	1
0	Min.	318	0.00	1	0.00	1	0.00	1	63570.40	18	-21698.80	17	-9840.63	11	2049.08	17	-12273.30	1
0	Min.	317	0.00	1	0.00	1	0.00	1	63570.40	18	-21698.80	17	-9840.63	11	2049.08	17	-12273.30	1
0	Max	303	0.00	1	0.00	1	0.00	1	153913.00	11	103603.00	5	6904.97	9	18425.20	11	12214.90	17
0	Max	304	0.00	1	0.00	1	0.00	1	153913.00	11	103603.00	5	6904.97	9	18425.20	11	12214.90	17
0	Max	285	0.00	1	0.00	1	0.00	1	153913.00	11	103603.00	5	6904.97	9	18425.20	11	12214.90	17
0	Max	284	0.00	1	0.00	1	0.00	1	153913.00	11	103603.00	5	6904.97	9	18425.20	11	12214.90	17
0	Min.	303	0.00	1	0.00	1	0.00	1	-1145.19	17	-198209.00	17	-99027.00	17	-41119.90	17	-914.08	1
0	Min.	304	0.00	1	0.00	1	0.00	1	-1145.19	17	-198209.00	17	-99027.00	17	-41119.90	17	-914.08	1
0	Min.	285	0.00	1	0.00	1	0.00	1	-1145.19	17	-198209.00	17	-99027.00	17	-41119.90	17	-914.08	1
0	Min.	284	0.00	1	0.00	1	0.00	1	-1145.19	17	-198209.00	17	-99027.00	17	-41119.90	17	-914.08	1
0	Max	346	0.00	1	0.00	1	0.00	1	173638.00	17	14493.90	17	-460.01	11	52774.50	17	-10501.10	1
0	Max	347	0.00	1	0.00	1	0.00	1	173638.00	17	14493.90	17	-460.01	11	52774.50	17	-10501.10	1
0	Max	328	0.00	1	0.00	1	0.00	1	173638.00	17	14493.90	17	-460.01	11	52774.50	17	-10501.10	1
0	Max	327	0.00	1	0.00	1	0.00	1	173638.00	17	14493.90	17	-460.01	11	52774.50	17	-10501.10	1
0	Min.	346	0.00	1	0.00	1	0.00	1	89752.20	1	-4376.85	9	-92243.80	17	18625.80	9	-20146.80	17
0	Min.	347	0.00	1	0.00	1	0.00	1	89752.20	1	-4376.85	9	-92243.80	17	18625.80	9	-20146.80	17
0	Min.	328	0.00	1	0.00	1	0.00	1	89752.20	1	-4376.85	9	-92243.80	17	18625.80	9	-20146.80	17
0	Min.	327	0.00	1	0.00	1	0.00	1	89752.20	1	-4376.85	9	-92243.80	17	18625.80	9	-20146.80	17
0	Max	348	0.00	1	0.00	1	0.00	1	224737.00	17	27162.70	17	-60.38	5	70100.50	17	-10460.60	9
0	Max	349	0.00	1	0.00	1	0.00	1	224737.00	17	27162.70	17	-60.38	5	70100.50	17	-10460.60	9
0	Max	330	0.00	1	0.00	1	0.00	1	224737.00	17	27162.70	17	-60.38	5	70100.50	17	-10460.60	9
0	Max	329	0.00	1	0.00	1	0.00	1	224737.00	17	27162.70	17	-60.38	5	70100.50	17	-10460.60	9
0	Min.	348	0.00	1	0.00	1	0.00	1	89215.10	9	-4490.00	9	-53898.90	17	18482.50	9	-28651.10	17
0	Min.	349	0.00	1	0.00	1	0.00	1	89215.10	9	-4490.00	9	-53898.90	17	18482.50	9	-28651.10	17
0	Min.	330	0.00	1	0.00	1	0.00	1	89215.10	9	-4490.00	9	-53898.90	17	18482.50	9	-28651.10	17

0	Min.	329	0.00	1	0.00	1	0.00	1	89215.10	9	-4490.00	9	-53898.90	17	18482.50	9	-28651.10	17
0	Max	354	0.00	1	0.00	1	0.00	1	81653.00	1	-9941.70	7	31449.20	17	-3479.82	11	30230.60	17
0	Max	355	0.00	1	0.00	1	0.00	1	81653.00	1	-9941.70	7	31449.20	17	-3479.82	11	30230.60	17
0	Max	336	0.00	1	0.00	1	0.00	1	81653.00	1	-9941.70	7	31449.20	17	-3479.82	11	30230.60	17
0	Max	335	0.00	1	0.00	1	0.00	1	81653.00	1	-9941.70	7	31449.20	17	-3479.82	11	30230.60	17
0	Min.	354	0.00	1	0.00	1	0.00	1	61711.70	18	-16219.10	17	-5376.77	11	-8369.55	17	13896.60	5
0	Min.	355	0.00	1	0.00	1	0.00	1	61711.70	18	-16219.10	17	-5376.77	11	-8369.55	17	13896.60	5
0	Min.	336	0.00	1	0.00	1	0.00	1	61711.70	18	-16219.10	17	-5376.77	11	-8369.55	17	13896.60	5
0	Min.	335	0.00	1	0.00	1	0.00	1	61711.70	18	-16219.10	17	-5376.77	11	-8369.55	17	13896.60	5
0	Max	372	0.00	1	0.00	1	0.00	1	130821.00	17	-9948.65	5	27164.00	17	-3456.44	11	43480.00	17
0	Max	277	0.00	1	0.00	1	0.00	1	130821.00	17	-9948.65	5	27164.00	17	-3456.44	11	43480.00	17
0	Max	276	0.00	1	0.00	1	0.00	1	130821.00	17	-9948.65	5	27164.00	17	-3456.44	11	43480.00	17
0	Max	353	0.00	1	0.00	1	0.00	1	130821.00	17	-9948.65	5	27164.00	17	-3456.44	11	43480.00	17
0	Min.	372	0.00	1	0.00	1	0.00	1	72650.80	5	-21907.10	17	-5384.46	9	-8827.13	17	14005.70	5
0	Min.	277	0.00	1	0.00	1	0.00	1	72650.80	5	-21907.10	17	-5384.46	9	-8827.13	17	14005.70	5
0	Min.	276	0.00	1	0.00	1	0.00	1	72650.80	5	-21907.10	17	-5384.46	9	-8827.13	17	14005.70	5
0	Min.	353	0.00	1	0.00	1	0.00	1	72650.80	5	-21907.10	17	-5384.46	9	-8827.13	17	14005.70	5
0	Max	315	0.00	1	0.00	1	0.00	1	292299.00	17	251378.00	17	166258.00	17	50300.20	17	2176.33	9
0	Max	274	0.00	1	0.00	1	0.00	1	292299.00	17	251378.00	17	166258.00	17	50300.20	17	2176.33	9
0	Max	273	0.00	1	0.00	1	0.00	1	292299.00	17	251378.00	17	166258.00	17	50300.20	17	2176.33	9
0	Max	296	0.00	1	0.00	1	0.00	1	292299.00	17	251378.00	17	166258.00	17	50300.20	17	2176.33	9
0	Min.	315	0.00	1	0.00	1	0.00	1	132079.00	5	66069.80	5	-11917.10	9	11329.50	5	-24511.50	17
0	Min.	274	0.00	1	0.00	1	0.00	1	132079.00	5	66069.80	5	-11917.10	9	11329.50	5	-24511.50	17
0	Min.	273	0.00	1	0.00	1	0.00	1	132079.00	5	66069.80	5	-11917.10	9	11329.50	5	-24511.50	17
0	Min.	296	0.00	1	0.00	1	0.00	1	132079.00	5	66069.80	5	-11917.10	9	11329.50	5	-24511.50	17
0	Max	310	0.00	1	0.00	1	0.00	1	370070.00	17	450609.00	17	6482.65	5	81856.20	17	16580.10	17
0	Max	311	0.00	1	0.00	1	0.00	1	370070.00	17	450609.00	17	6482.65	5	81856.20	17	16580.10	17
0	Max	292	0.00	1	0.00	1	0.00	1	370070.00	17	450609.00	17	6482.65	5	81856.20	17	16580.10	17
0	Max	291	0.00	1	0.00	1	0.00	1	370070.00	17	450609.00	17	6482.65	5	81856.20	17	16580.10	17
0	Min.	310	0.00	1	0.00	1	0.00	1	131965.00	9	66182.10	9	-76174.20	17	11317.20	9	-771.95	5
0	Min.	311	0.00	1	0.00	1	0.00	1	131965.00	9	66182.10	9	-76174.20	17	11317.20	9	-771.95	5
0	Min.	292	0.00	1	0.00	1	0.00	1	131965.00	9	66182.10	9	-76174.20	17	11317.20	9	-771.95	5
0	Min.	291	0.00	1	0.00	1	0.00	1	131965.00	9	66182.10	9	-76174.20	17	11317.20	9	-771.95	5
0	Max	300	0.00	1	0.00	1	0.00	1	154738.00	9	105365.00	9	66974.50	17	18805.00	9	2443.58	5
0	Max	301	0.00	1	0.00	1	0.00	1	154738.00	9	105365.00	9	66974.50	17	18805.00	9	2443.58	5
0	Max	282	0.00	1	0.00	1	0.00	1	154738.00	9	105365.00	9	66974.50	17	18805.00	9	2443.58	5
0	Max	281	0.00	1	0.00	1	0.00	1	154738.00	9	105365.00	9	66974.50	17	18805.00	9	2443.58	5
0	Min.	300	0.00	1	0.00	1	0.00	1	7904.54	17	-225337.00	17	-13182.50	5	-42051.50	17	-14467.50	17
0	Min.	301	0.00	1	0.00	1	0.00	1	7904.54	17	-225337.00	17	-13182.50	5	-42051.50	17	-14467.50	17
0	Min.	282	0.00	1	0.00	1	0.00	1	7904.54	17	-225337.00	17	-13182.50	5	-42051.50	17	-14467.50	17
0	Min.	281	0.00	1	0.00	1	0.00	1	7904.54	17	-225337.00	17	-13182.50	5	-42051.50	17	-14467.50	17
0	Max	291	0.00	1	0.00	1	0.00	1	417015.00	17	856722.00	17	11390.10	7	113070.00	17	26847.90	17
0	Max	292	0.00	1	0.00	1	0.00	1	417015.00	17	856722.00	17	11390.10	7	113070.00	17	26847.90	17
0	Max	263	0.00	1	0.00	1	0.00	1	417015.00	17	856722.00	17	11390.10	7	113070.00	17	26847.90	17
0	Max	262	0.00	1	0.00	1	0.00	1	417015.00	17	856722.00	17	11390.10	7	113070.00	17	26847.90	17
0	Min.	291	0.00	1	0.00	1	0.00	1	152332.00	9	90117.80	9	-81389.40	17	9036.22	9	-736.76	5
0	Min.	292	0.00	1	0.00	1	0.00	1	152332.00	9	90117.80	9	-81389.40	17	9036.22	9	-736.76	5
0	Min.	263	0.00	1	0.00	1	0.00	1	152332.00	9	90117.80	9	-81389.40	17	9036.22	9	-736.76	5
0	Min.	262	0.00	1	0.00	1	0.00	1	152332.00	9	90117.80	9	-81389.40	17	9036.22	9	-736.76	5
0	Max	278	0.00	1	0.00	1	0.00	1	225124.00	17	168103.00	1	261115.00	17	20397.30	1	3525.61	11
0	Max	279	0.00	1	0.00	1	0.00	1	225124.00	17	168103.00	1	261115.00	17	20397.30	1	3525.61	11
0	Max	250	0.00	1	0.00	1	0.00	1	225124.00	17	168103.00	1	261115.00	17	20397.30	1	3525.61	11
0	Max	249	0.00	1	0.00	1	0.00	1	225124.00	17	168103.00	1	261115.00	17	20397.30	1	3525.61	11
0	Min.	278	0.00	1	0.00	1	0.00	1	152285.00	7	-22067.00	17	-18244.50	11	3190.04	17	-37496.00	17
0	Min.	279	0.00	1	0.00	1	0.00	1	152285.00	7	-22067.00	17	-18244.50	11	3190.04	17	-37496.00	17
0	Min.	250	0.00	1	0.00	1	0.00	1	152285.00	7	-22067.00	17	-18244.50	11	3190.04	17	-37496.00	17
0	Min.	249	0.00	1	0.00	1	0.00	1	152285.00	7	-22067.00	17	-18244.50	11	3190.04	17	-37496.00	17
0	Max	329	0.00	1	0.00	1	0.00	1	299297.00	17	210259.00	17	719.44	5	70120.80	17	7320.35	17
0	Max	330	0.00	1	0.00	1	0.00	1	299297.00	17	210259.00	17	719.44	5	70120.80	17	7320.35	17
0	Max	311	0.00	1	0.00	1	0.00	1	299297.00	17	210259.00	17	719.44	5	70120.80	17	7320.35	17
0	Max	310	0.00	1	0.00	1	0.00	1	299297.00	17	210259.00	17	719.44	5	70120.80	17	7320.35	17
0	Min.	329	0.00	1	0.00	1	0.00	1	110960.00	9	34596.00	9	-72488.50	17	14355.70	9	-785.82	5
0	Min.	330	0.00	1	0.00	1	0.00	1	110960.00	9	34596.00	9	-72488.50	17	14355.70	9	-785.82	5
0	Min.	311	0.00	1	0.00	1	0.00	1	110960.00	9	34596.00	9	-72488.50	17	14355.70	9	-785.82	5
0	Min.	310	0.00	1	0.00	1	0.00	1	110960.00	9	34596.00	9	-72488.50	17	14355.70	9	-785.82	5
0	Max	276	0.00	1	0.00	1	0.00	1	147137.00	17	-946.91	1	84427.10	17	29062.60	17	-10489.50	5
0	Max	335	0.00	1	0.00	1	0.00	1	147137.00	17	-946.91	1	84427.10	17	29062.60	17	-10489.50	5
0	Max	316	0.00	1	0.00	1	0.00	1	147137.00	17	-946.91	1	84427.10	17	29062.60	17	-10489.50	5
0	Max	275	0.00	1	0.00	1	0.00	1	147137.00	17	-946.91	1	84427.10	17	29062.60	17	-10489.50	5
0	Min.	276	0.00	1	0.00	1	0.00	1	89328.50	7	-4527.36	7	-10113.20	11	18425.30	7	-20145.60	17
0	Min.	335	0.00	1	0.00	1	0.00	1	89328.50	7	-4527.36	7	-10113.20	11	18425.30	7	-20145.60	17
0	Min.	316	0.00	1	0.00	1	0.00	1	89328.50	7	-4527.36	7	-10113.20	11	18425.30	7	-20145.60	17
0	Min.	275	0.00	1	0.00	1	0.00	1	89328.50	7	-4527.36	7	-10113.20	11	18425.30	7	-20145.60	17
0	Max	352	0.00	1	0.00	1	0.00	1	208357.00	17	16896.20	17	55289.70	17	55445.80	17	-10522.40	5
0	Max	353	0.00	1	0.00	1	0.00	1	208357.00	17	16896.20	17	55289.70	17	55445.80	17	-10522.40	5
0	Max	334	0.00	1	0.00	1	0.00	1	208357.00	17	16896.20	17	55289.70	17	55445.80	17	-10522.40	5
0	Max	333	0.00	1	0.00	1	0.00	1	208357.00	17	16896.20	17	55289.70	17	55445.80	17	-10522.40	5
0	Min.	352	0.00	1	0.00	1	0.00	1	89391.00	5	-4520.77	5	-10055.80	9	18433.30	5	-28650.30	17
0	Min.	353	0.00	1	0.00	1	0.00	1	89391.00	5	-4520.77	5	-10055.80	9	18433.30	5	-28650.30	17
0	Min.	334	0.00	1	0.00	1	0.00	1	89391.00	5	-4520.77	5	-10055.80	9	18433.30	5	-28650.30	17
0	Min.	333	0.00	1	0.00	1	0.00	1	89391.00	5	-4520.77	5	-10055.80	9	18433.30	5	-28650.30	17
0	Max	337	0.00	1	0.00	1	0.00	1	101724.00	9	-1209.62	9	61298.80	17	22827.50	9	13163.30	9
0	Max	338	0.00	1	0.00	1	0.00	1	101724.00	9	-1209.62	9	61298.80	17	22827.50	9	13163.30	9
0	Max	319	0.00	1	0.00	1	0.00	1	101724.00	9	-1209.62	9	61298.80	17	22827.50	9	13163.30	9
0	Max	318	0.00	1	0.00	1	0.00	1	101724.00	9	-1209.62	9	61298.80	17	22827.50	9	13163.30	9
0	Min.	337	0.00	1	0.00	1	0.00	1	40098.80	18	-30451.40	17	-3521.28	5	-3054.98	17	349.06	17
0	Min.	338	0.00	1	0.00	1	0.00	1	40098.80	18	-30451.40	17	-3521.28	5	-3054.98	17	349.06	17
0	Min.	319	0.00	1	0.00	1	0.00	1	40098.80	18	-30451.40	17	-3521.28	5	-3054.98	17	349.06	17
0	Min.	318	0.00	1	0.00	1	0.00	1	40098.80	18	-30451.40	17	-3521.28	5	-3054.98	17	349.06	17
0	Max	339	0.00	1	0.00	1	0.00	1	101766.00	11	-1207.94	11	7696.21	17	22854.70	11	13162.80	11
0	Max	340	0.00	1	0.00	1	0.00	1	101766.00	11	-1207.94	11	7696.21	17	22854.70	11	13162.80	11
0	Max	321	0.00	1	0.00	1	0.00	1	101766.00	11	-1207.94	11	7696.21	17	22854.70	11	13162.80	11
0	Max	320	0.00	1	0.00	1	0.00	1	101766.00	11	-1207.94	11	7696.21	17	22854.70	11	13162.80	11
0	Min.	339	0.00	1	0.00	1	0.00	1	13301.30	17	-36450.10	17	-3543.48	7	-16969.40	17	-2711.81	17
0	Min.	340	0.00	1	0.00	1	0.00	1	13301.30	17	-36450.10	17	-3543.48	7	-16969.40	17	-2711.81	17
0	Min.	321	0.00	1	0.00	1	0.00	1	13301.30	17	-36450.10	17	-3543.48	7	-16969.40	17	-2711.81	17
0	Min.	320	0.00	1	0.00	1	0.00	1	13301.30	17	-36450.10	17	-3543.48	7	-16969.40	17	-2711.81	17
0	Max	345	0.00	1	0.00	1	0.00	1	148465.00	17	6472.46	17	6472.64	11	31411.50	17	22421.50	17
0	Max	346	0.00	1	0.00	1	0.00	1	148465.00	17	6472.46	17	6472.64	11	31411.50	17	22421.50	17
0	Max	327	0.00	1	0.00	1	0.00	1	148465.00	17	6472.46	17	6472.64	11	31411.50	17	22421.50	17
0	Max	326	0.00	1	0.00	1	0.00	1	148465.00	17	6472.46	17	6472.64	11	31411.50	17	22421.50	17
0	Min.	345	0.00	1	0.00	1	0.00	1	89541.10	1	-4671.00	1	-88297.80	17	18034.10	1	11192.40	1
0	Min.	346	0.00	1	0.00	1	0.00	1	89541.10	1	-4671.00	1	-88297.80	17	18034.10	1	11192.40	1
0	Min.	327	0.00	1	0.00	1	0.00	1	89541.10	1	-4671.00	1	-88297.80	17	18034.10	1	11192.40	1
0	Min.	326	0.00	1	0.00	1	0.00	1	89541.10	1	-4671.00	1	-88297.80	17	18034.10	1	11192.40	1

0	Max	307	0.00	1	0.00	1	0.00	1	212518.00	17	198436.00	17	7631.67	11	31798.60	17	30016.10	17
0	Max	308	0.00	1	0.00	1	0.00	1	212518.00	17	198436.00	17	7631.67	11	31798.60	17	30016.10	17
0	Max	289	0.00	1	0.00	1	0.00	1	212518.00	17	198436.00	17	7631.67	11	31798.60	17	30016.10	17
0	Max	288	0.00	1	0.00	1	0.00	1	212518.00	17	198436.00	17	7631.67	11	31798.60	17	30016.10	17
0	Min.	307	0.00	1	0.00	1	0.00	1	132119.00	1	66252.50	1	-180699.00	17	11353.10	1	-1029.86	11
0	Min.	308	0.00	1	0.00	1	0.00	1	132119.00	1	66252.50	1	-180699.00	17	11353.10	1	-1029.86	11
0	Min.	289	0.00	1	0.00	1	0.00	1	132119.00	1	66252.50	1	-180699.00	17	11353.10	1	-1029.86	11
0	Min.	288	0.00	1	0.00	1	0.00	1	132119.00	1	66252.50	1	-180699.00	17	11353.10	1	-1029.86	11
0	Max	341	0.00	1	0.00	1	0.00	1	101097.00	5	-1321.65	5	6149.32	9	22718.60	11	13109.60	5
0	Max	342	0.00	1	0.00	1	0.00	1	101097.00	5	-1321.65	5	6149.32	9	22718.60	11	13109.60	5
0	Max	323	0.00	1	0.00	1	0.00	1	101097.00	5	-1321.65	5	6149.32	9	22718.60	11	13109.60	5
0	Max	322	0.00	1	0.00	1	0.00	1	101097.00	5	-1321.65	5	6149.32	9	22718.60	11	13109.60	5
0	Min.	341	0.00	1	0.00	1	0.00	1	27185.70	17	-30024.90	17	-48093.20	17	-14147.90	17	1329.60	17
0	Min.	342	0.00	1	0.00	1	0.00	1	27185.70	17	-30024.90	17	-48093.20	17	-14147.90	17	1329.60	17
0	Min.	323	0.00	1	0.00	1	0.00	1	27185.70	17	-30024.90	17	-48093.20	17	-14147.90	17	1329.60	17
0	Min.	322	0.00	1	0.00	1	0.00	1	27185.70	17	-30024.90	17	-48093.20	17	-14147.90	17	1329.60	17
0	Max	298	0.00	1	0.00	1	0.00	1	153813.00	1	103754.00	9	152133.00	17	18415.30	1	2331.92	11
0	Max	299	0.00	1	0.00	1	0.00	1	153813.00	1	103754.00	9	152133.00	17	18415.30	1	2331.92	11
0	Max	280	0.00	1	0.00	1	0.00	1	153813.00	1	103754.00	9	152133.00	17	18415.30	1	2331.92	11
0	Max	279	0.00	1	0.00	1	0.00	1	153813.00	1	103754.00	9	152133.00	17	18415.30	1	2331.92	11
0	Min.	298	0.00	1	0.00	1	0.00	1	86712.50	18	-79553.80	17	-12286.30	5	-12295.40	17	-26219.20	17
0	Min.	299	0.00	1	0.00	1	0.00	1	86712.50	18	-79553.80	17	-12286.30	5	-12295.40	17	-26219.20	17
0	Min.	280	0.00	1	0.00	1	0.00	1	86712.50	18	-79553.80	17	-12286.30	5	-12295.40	17	-26219.20	17
0	Min.	279	0.00	1	0.00	1	0.00	1	86712.50	18	-79553.80	17	-12286.30	5	-12295.40	17	-26219.20	17
0	Max	359	0.00	1	0.00	1	0.00	1	81938.10	11	-4492.73	18	3052.10	1	-3080.13	1	-55.87	17
0	Max	360	0.00	1	0.00	1	0.00	1	81938.10	11	-4492.73	18	3052.10	1	-3080.13	1	-55.87	17
0	Max	341	0.00	1	0.00	1	0.00	1	81938.10	11	-4492.73	18	3052.10	1	-3080.13	1	-55.87	17
0	Max	340	0.00	1	0.00	1	0.00	1	81938.10	11	-4492.73	18	3052.10	1	-3080.13	1	-55.87	17
0	Min.	359	0.00	1	0.00	1	0.00	1	16884.30	17	-11136.10	11	-5465.42	17	-4320.06	17	-16946.60	5
0	Min.	360	0.00	1	0.00	1	0.00	1	16884.30	17	-11136.10	11	-5465.42	17	-4320.06	17	-16946.60	5
0	Min.	341	0.00	1	0.00	1	0.00	1	16884.30	17	-11136.10	11	-5465.42	17	-4320.06	17	-16946.60	5
0	Min.	340	0.00	1	0.00	1	0.00	1	16884.30	17	-11136.10	11	-5465.42	17	-4320.06	17	-16946.60	5
0	Max	366	0.00	1	0.00	1	0.00	1	168683.00	17	-9967.61	1	-1499.47	5	-2503.03	18	27104.00	17
0	Max	367	0.00	1	0.00	1	0.00	1	168683.00	17	-9967.61	1	-1499.47	5	-2503.03	18	27104.00	17
0	Max	348	0.00	1	0.00	1	0.00	1	168683.00	17	-9967.61	1	-1499.47	5	-2503.03	18	27104.00	17
0	Max	347	0.00	1	0.00	1	0.00	1	168683.00	17	-9967.61	1	-1499.47	5	-2503.03	18	27104.00	17
0	Min.	366	0.00	1	0.00	1	0.00	1	72557.50	9	-17931.30	17	-30969.30	17	-3898.00	5	13911.70	1
0	Min.	367	0.00	1	0.00	1	0.00	1	72557.50	9	-17931.30	17	-30969.30	17	-3898.00	5	13911.70	1
0	Min.	348	0.00	1	0.00	1	0.00	1	72557.50	9	-17931.30	17	-30969.30	17	-3898.00	5	13911.70	1
0	Min.	347	0.00	1	0.00	1	0.00	1	72557.50	9	-17931.30	17	-30969.30	17	-3898.00	5	13911.70	1
0	Max	368	0.00	1	0.00	1	0.00	1	186674.00	17	-9924.65	9	-1479.22	7	-3457.38	1	41547.30	17
0	Max	369	0.00	1	0.00	1	0.00	1	186674.00	17	-9924.65	9	-1479.22	7	-3457.38	1	41547.30	17
0	Max	350	0.00	1	0.00	1	0.00	1	186674.00	17	-9924.65	9	-1479.22	7	-3457.38	1	41547.30	17
0	Max	349	0.00	1	0.00	1	0.00	1	186674.00	17	-9924.65	9	-1479.22	7	-3457.38	1	41547.30	17
0	Min.	368	0.00	1	0.00	1	0.00	1	72542.70	11	-22965.30	17	-11413.20	17	-5520.45	17	13877.50	9
0	Min.	369	0.00	1	0.00	1	0.00	1	72542.70	11	-22965.30	17	-11413.20	17	-5520.45	17	13877.50	9
0	Min.	350	0.00	1	0.00	1	0.00	1	72542.70	11	-22965.30	17	-11413.20	17	-5520.45	17	13877.50	9
0	Min.	349	0.00	1	0.00	1	0.00	1	72542.70	11	-22965.30	17	-11413.20	17	-5520.45	17	13877.50	9
0	Max	319	0.00	1	0.00	1	0.00	1	128463.00	9	52249.10	9	55002.00	17	20050.50	9	912.93	5
0	Max	320	0.00	1	0.00	1	0.00	1	128463.00	9	52249.10	9	55002.00	17	20050.50	9	912.93	5
0	Max	301	0.00	1	0.00	1	0.00	1	128463.00	9	52249.10	9	55002.00	17	20050.50	9	912.93	5
0	Max	300	0.00	1	0.00	1	0.00	1	128463.00	9	52249.10	9	55002.00	17	20050.50	9	912.93	5
0	Min.	319	0.00	1	0.00	1	0.00	1	16193.30	17	-96452.90	17	-13997.90	5	-24857.60	17	-7167.88	17
0	Min.	320	0.00	1	0.00	1	0.00	1	16193.30	17	-96452.90	17	-13997.90	5	-24857.60	17	-7167.88	17
0	Min.	301	0.00	1	0.00	1	0.00	1	16193.30	17	-96452.90	17	-13997.90	5	-24857.60	17	-7167.88	17
0	Min.	300	0.00	1	0.00	1	0.00	1	16193.30	17	-96452.90	17	-13997.90	5	-24857.60	17	-7167.88	17
0	Max	371	0.00	1	0.00	1	0.00	1	166487.00	17	-10074.90	5	27810.60	17	-1844.12	18	-13982.40	7
0	Max	372	0.00	1	0.00	1	0.00	1	166487.00	17	-10074.90	5	27810.60	17	-1844.12	18	-13982.40	7
0	Max	353	0.00	1	0.00	1	0.00	1	166487.00	17	-10074.90	5	27810.60	17	-1844.12	18	-13982.40	7
0	Max	352	0.00	1	0.00	1	0.00	1	166487.00	17	-10074.90	5	27810.60	17	-1844.12	18	-13982.40	7
0	Min.	371	0.00	1	0.00	1	0.00	1	72834.90	5	-18813.20	17	-811.84	9	-3456.50	9	-25291.10	17
0	Min.	372	0.00	1	0.00	1	0.00	1	72834.90	5	-18813.20	17	-811.84	9	-3456.50	9	-25291.10	17
0	Min.	353	0.00	1	0.00	1	0.00	1	72834.90	5	-18813.20	17	-811.84	9	-3456.50	9	-25291.10	17
0	Min.	352	0.00	1	0.00	1	0.00	1	72834.90	5	-18813.20	17	-811.84	9	-3456.50	9	-25291.10	17
0	Max	305	0.00	1	0.00	1	0.00	1	154860.00	5	105241.00	5	7723.48	9	18817.50	5	25932.60	17
0	Max	306	0.00	1	0.00	1	0.00	1	154860.00	5	105241.00	5	7723.48	9	18817.50	5	25932.60	17
0	Max	287	0.00	1	0.00	1	0.00	1	154860.00	5	105241.00	5	7723.48	9	18817.50	5	25932.60	17
0	Max	286	0.00	1	0.00	1	0.00	1	154860.00	5	105241.00	5	7723.48	9	18817.50	5	25932.60	17
0	Min.	305	0.00	1	0.00	1	0.00	1	74946.50	18	-26413.60	17	-172181.00	17	-10463.10	17	-1033.67	9
0	Min.	306	0.00	1	0.00	1	0.00	1	74946.50	18	-26413.60	17	-172181.00	17	-10463.10	17	-1033.67	9
0	Min.	287	0.00	1	0.00	1	0.00	1	74946.50	18	-26413.60	17	-172181.00	17	-10463.10	17	-1033.67	9
0	Min.	286	0.00	1	0.00	1	0.00	1	74946.50	18	-26413.60	17	-172181.00	17	-10463.10	17	-1033.67	9
0	Max	296	0.00	1	0.00	1	0.00	1	370649.00	17	431136.00	17	269084.00	17	67228.00	17	3515.38	9
0	Max	273	0.00	1	0.00	1	0.00	1	370649.00	17	431136.00	17	269084.00	17	67228.00	17	3515.38	9
0	Max	2	0.00	1	0.00	1	0.00	1	370649.00	17	431136.00	17	269084.00	17	67228.00	17	3515.38	9
0	Max	267	0.00	1	0.00	1	0.00	1	370649.00	17	431136.00	17	269084.00	17	67228.00	17	3515.38	9
0	Min.	296	0.00	1	0.00	1	0.00	1	152322.00	5	90127.80	5	-18563.40	11	9035.93	5	-28405.30	17
0	Min.	273	0.00	1	0.00	1	0.00	1	152322.00	5	90127.80	5	-18563.40	11	9035.93	5	-28405.30	17
0	Min.	2	0.00	1	0.00	1	0.00	1	152322.00	5	90127.80	5	-18563.40	11	9035.93	5	-28405.30	17
0	Min.	267	0.00	1	0.00	1	0.00	1	152322.00	5	90127.80	5	-18563.40	11	9035.93	5	-28405.30	17
0	Max	286	0.00	1	0.00	1	0.00	1	179495.00	5	168519.00	5	11332.20	11	20429.10	5	31655.90	17
0	Max	287	0.00	1	0.00	1	0.00	1	179495.00	5	168519.00	5	11332.20	11	20429.10	5	31655.90	17
0	Max	258	0.00	1	0.00	1	0.00	1	179495.00	5	168519.00	5	11332.20	11	20429.10	5	31655.90	17
0	Max	257	0.00	1	0.00	1	0.00	1	179495.00	5	168519.00	5	11332.20	11	20429.10	5	31655.90	17
0	Min.	286	0.00	1	0.00	1	0.00	1	64841.00	18	-90278.50	17	-280640.00	17	-28032.70	17	-733.89	9
0	Min.	287	0.00	1	0.00	1	0.00	1	64841.00	18	-90278.50	17	-280640.00	17	-28032.70	17	-733.89	9
0	Min.	258	0.00	1	0.00	1	0.00	1	64841.00	18	-90278.50	17	-280640.00	17	-28032.70	17	-733.89	9
0	Min.	257	0.00	1	0.00	1	0.00	1	64841.00	18	-90278.50	17	-280640.00	17	-28032.70	17	-733.89	9
0	Max	324	0.00	1	0.00	1	0.00	1	128983.00	5	51738.30	5	9622.54	9	20025.40	5	14361.80	17
0	Max	325	0.00	1	0.00	1	0.00	1	128983.00	5	51738.30	5	9622.54	9	20025.40	5	14361.80	17
0	Max	306	0.00	1	0.00	1	0.00	1	128983.00	5	51738.30	5	9622.54	9	20025.40	5	14361.80	17
0	Max	305	0.00	1	0.00	1	0.00	1	128983.00	5	51738.30	5	9622.54	9	20025.40	5	14361.80	17
0	Min.	324	0.00	1	0.00	1	0.00	1	71441.30	18	-8309.26	17	-122751.00	17	-23.83	17	31.03	9
0	Min.	325	0.00	1	0.00	1	0.00	1	71441.30	18	-8309.26	17	-122751.00	17	-23.83	17	31.03	9
0	Min.	306	0.00	1	0.00	1	0.00	1	71441.30	18	-8309.26	17	-122751.00	17	-23.83	17	31.03	9
0	Min.	305	0.00	1	0.00	1	0.00	1	71441.30	18	-8309.26	17	-122751.00	17	-23.83	17	31.03	9
0	Max	330	0.00	1	0.00	1	0.00	1	317858.00	17	219413.00	17	9731.79	7	74709.70	17	5274.45	17
0	Max	331	0.00	1	0.00	1	0.00	1	317858.00	17	219413.00	17	9731.79	7	74709.70	17	5274.45	17
0	Max	312	0.00	1	0.00	1	0.00	1	317858.00	17	219413.00	17	9731.79	7	74709.70	17	5274.45	17
0	Max	311	0.00	1	0.00	1	0.00	1	317858.00	17	219413.00	17	9731.79	7	74709.70	17	5274.45	17
0	Min.	330	0.00	1	0.00	1	0.00	1	111527.00	11	34028.60	11	-6056.87	17	14341.20	11	63.54	7
0	Min.	331	0.00	1	0.00	1	0.00	1	111527.00	11	34028.60	11	-6056.87	17	14341.20	11	63.54	7
0	Min.	312	0.00	1	0.00	1	0.00	1	111527.00	11	34028.60	11	-6056.87	17	14341.20	11	63.54	7
0	Min.	311	0.00	1	0.00	1	0.00	1	111527.00	11	34028.60	11	-6056.87	17	14341.20	11	63.54	7
0	Max	351	0.00	1	0.00	1	0.00	1	224814.00	17	22178.00	17	52036.10	17	67839.90	17	30434.90	17

0	Max	352	0.00	1	0.00	1	0.00	1	224814.00	17	22178.00	17	52036.10	17	67839.90	17	30434.90	17
0	Max	333	0.00	1	0.00	1	0.00	1	224814.00	17	22178.00	17	52036.10	17	67839.90	17	30434.90	17
0	Max	332	0.00	1	0.00	1	0.00	1	224814.00	17	22178.00	17	52036.10	17	67839.90	17	30434.90	17
0	Min.	351	0.00	1	0.00	1	0.00	1	90151.30	5	-4643.75	5	-3087.14	9	18221.30	11	11185.60	5
0	Min.	352	0.00	1	0.00	1	0.00	1	90151.30	5	-4643.75	5	-3087.14	9	18221.30	11	11185.60	5
0	Min.	333	0.00	1	0.00	1	0.00	1	90151.30	5	-4643.75	5	-3087.14	9	18221.30	11	11185.60	5
0	Min.	332	0.00	1	0.00	1	0.00	1	90151.30	5	-4643.75	5	-3087.14	9	18221.30	11	11185.60	5
0	Max	347	0.00	1	0.00	1	0.00	1	209536.00	17	22604.80	17	6583.06	5	56746.90	17	31415.60	17
0	Max	348	0.00	1	0.00	1	0.00	1	209536.00	17	22604.80	17	6583.06	5	56746.90	17	31415.60	17
0	Max	329	0.00	1	0.00	1	0.00	1	209536.00	17	22604.80	17	6583.06	5	56746.90	17	31415.60	17
0	Max	328	0.00	1	0.00	1	0.00	1	209536.00	17	22604.80	17	6583.06	5	56746.90	17	31415.60	17
0	Min.	347	0.00	1	0.00	1	0.00	1	89524.70	9	-4755.60	9	-57356.40	17	18112.40	9	11132.00	9
0	Min.	348	0.00	1	0.00	1	0.00	1	89524.70	9	-4755.60	9	-57356.40	17	18112.40	9	11132.00	9
0	Min.	329	0.00	1	0.00	1	0.00	1	89524.70	9	-4755.60	9	-57356.40	17	18112.40	9	11132.00	9
0	Min.	328	0.00	1	0.00	1	0.00	1	89524.70	9	-4755.60	9	-57356.40	17	18112.40	9	11132.00	9
0	Max	277	0.00	1	0.00	1	0.00	1	121443.00	17	-9773.98	18	37174.20	17	-849.61	17	-7494.99	18
0	Max	354	0.00	1	0.00	1	0.00	1	121443.00	17	-9773.98	18	37174.20	17	-849.61	17	-7494.99	18
0	Max	335	0.00	1	0.00	1	0.00	1	121443.00	17	-9773.98	18	37174.20	17	-849.61	17	-7494.99	18
0	Max	276	0.00	1	0.00	1	0.00	1	121443.00	17	-9773.98	18	37174.20	17	-849.61	17	-7494.99	18
0	Min.	277	0.00	1	0.00	1	0.00	1	72779.50	7	-12618.60	17	-825.72	11	-3461.11	9	-16849.80	1
0	Min.	354	0.00	1	0.00	1	0.00	1	72779.50	7	-12618.60	17	-825.72	11	-3461.11	9	-16849.80	1
0	Min.	335	0.00	1	0.00	1	0.00	1	72779.50	7	-12618.60	17	-825.72	11	-3461.11	9	-16849.80	1
0	Min.	276	0.00	1	0.00	1	0.00	1	72779.50	7	-12618.60	17	-825.72	11	-3461.11	9	-16849.80	1
0	Max	358	0.00	1	0.00	1	0.00	1	81812.00	11	-4385.67	18	2455.15	17	-3183.30	18	16884.50	9
0	Max	359	0.00	1	0.00	1	0.00	1	81812.00	11	-4385.67	18	2455.15	17	-3183.30	18	16884.50	9
0	Max	340	0.00	1	0.00	1	0.00	1	81812.00	11	-4385.67	18	2455.15	17	-3183.30	18	16884.50	9
0	Max	339	0.00	1	0.00	1	0.00	1	81812.00	11	-4385.67	18	2455.15	17	-3183.30	18	16884.50	9
0	Min.	358	0.00	1	0.00	1	0.00	1	16747.80	17	-11098.80	9	-5347.38	7	-4039.53	17	-1328.20	17
0	Min.	359	0.00	1	0.00	1	0.00	1	16747.80	17	-11098.80	9	-5347.38	7	-4039.53	17	-1328.20	17
0	Min.	340	0.00	1	0.00	1	0.00	1	16747.80	17	-11098.80	9	-5347.38	7	-4039.53	17	-1328.20	17
0	Min.	339	0.00	1	0.00	1	0.00	1	16747.80	17	-11098.80	9	-5347.38	7	-4039.53	17	-1328.20	17
0	Max	302	0.00	1	0.00	1	0.00	1	154700.00	11	105180.00	11	6396.84	1	18781.70	11	3213.96	17
0	Max	303	0.00	1	0.00	1	0.00	1	154700.00	11	105180.00	11	6396.84	1	18781.70	11	3213.96	17
0	Max	284	0.00	1	0.00	1	0.00	1	154700.00	11	105180.00	11	6396.84	1	18781.70	11	3213.96	17
0	Max	283	0.00	1	0.00	1	0.00	1	154700.00	11	105180.00	11	6396.84	1	18781.70	11	3213.96	17
0	Min.	302	0.00	1	0.00	1	0.00	1	-18679.60	17	-242026.00	17	-45523.20	17	-48143.30	17	-769.16	1
0	Min.	303	0.00	1	0.00	1	0.00	1	-18679.60	17	-242026.00	17	-45523.20	17	-48143.30	17	-769.16	1
0	Min.	284	0.00	1	0.00	1	0.00	1	-18679.60	17	-242026.00	17	-45523.20	17	-48143.30	17	-769.16	1
0	Min.	283	0.00	1	0.00	1	0.00	1	-18679.60	17	-242026.00	17	-45523.20	17	-48143.30	17	-769.16	1
0	Max	309	0.00	1	0.00	1	0.00	1	330120.00	17	390454.00	17	7798.40	5	69522.40	17	22906.30	17
0	Max	310	0.00	1	0.00	1	0.00	1	330120.00	17	390454.00	17	7798.40	5	69522.40	17	22906.30	17
0	Max	291	0.00	1	0.00	1	0.00	1	330120.00	17	390454.00	17	7798.40	5	69522.40	17	22906.30	17
0	Max	290	0.00	1	0.00	1	0.00	1	330120.00	17	390454.00	17	7798.40	5	69522.40	17	22906.30	17
0	Min.	309	0.00	1	0.00	1	0.00	1	132445.00	9	65923.30	9	-121327.00	17	11378.50	9	-969.97	5
0	Min.	310	0.00	1	0.00	1	0.00	1	132445.00	9	65923.30	9	-121327.00	17	11378.50	9	-969.97	5
0	Min.	291	0.00	1	0.00	1	0.00	1	132445.00	9	65923.30	9	-121327.00	17	11378.50	9	-969.97	5
0	Min.	290	0.00	1	0.00	1	0.00	1	132445.00	9	65923.30	9	-121327.00	17	11378.50	9	-969.97	5
0	Max	344	0.00	1	0.00	1	0.00	1	104222.00	17	-946.92	7	-187.47	11	25760.90	17	-7893.55	18
0	Max	345	0.00	1	0.00	1	0.00	1	104222.00	17	-946.92	7	-187.47	11	25760.90	17	-7893.55	18
0	Max	326	0.00	1	0.00	1	0.00	1	104222.00	17	-946.92	7	-187.47	11	25760.90	17	-7893.55	18
0	Max	325	0.00	1	0.00	1	0.00	1	104222.00	17	-946.92	7	-187.47	11	25760.90	17	-7893.55	18
0	Min.	344	0.00	1	0.00	1	0.00	1	81238.70	18	-5087.61	17	-97934.50	17	18425.30	1	-12285.00	5
0	Min.	345	0.00	1	0.00	1	0.00	1	81238.70	18	-5087.61	17	-97934.50	17	18425.30	1	-12285.00	5
0	Min.	326	0.00	1	0.00	1	0.00	1	81238.70	18	-5087.61	17	-97934.50	17	18425.30	1	-12285.00	5
0	Min.	325	0.00	1	0.00	1	0.00	1	81238.70	18	-5087.61	17	-97934.50	17	18425.30	1	-12285.00	5
0	Max	294	0.00	1	0.00	1	0.00	1	458154.00	17	784757.00	17	172066.00	17	113072.00	17	3476.23	1
0	Max	295	0.00	1	0.00	1	0.00	1	458154.00	17	784757.00	17	172066.00	17	113072.00	17	3476.23	1
0	Max	266	0.00	1	0.00	1	0.00	1	458154.00	17	784757.00	17	172066.00	17	113072.00	17	3476.23	1
0	Max	265	0.00	1	0.00	1	0.00	1	458154.00	17	784757.00	17	172066.00	17	113072.00	17	3476.23	1
0	Min.	294	0.00	1	0.00	1	0.00	1	152792.00	11	92748.40	5	-18352.20	9	9600.48	11	-7843.55	17
0	Min.	295	0.00	1	0.00	1	0.00	1	152792.00	11	92748.40	5	-18352.20	9	9600.48	11	-7843.55	17
0	Min.	266	0.00	1	0.00	1	0.00	1	152792.00	11	92748.40	5	-18352.20	9	9600.48	11	-7843.55	17
0	Min.	265	0.00	1	0.00	1	0.00	1	152792.00	11	92748.40	5	-18352.20	9	9600.48	11	-7843.55	17
0	Max	289	0.00	1	0.00	1	0.00	1	289877.00	17	572402.00	17	11178.80	5	67221.60	17	39681.20	17
0	Max	290	0.00	1	0.00	1	0.00	1	289877.00	17	572402.00	17	11178.80	5	67221.60	17	39681.20	17
0	Max	261	0.00	1	0.00	1	0.00	1	289877.00	17	572402.00	17	11178.80	5	67221.60	17	39681.20	17
0	Max	260	0.00	1	0.00	1	0.00	1	289877.00	17	572402.00	17	11178.80	5	67221.60	17	39681.20	17
0	Min.	289	0.00	1	0.00	1	0.00	1	152802.00	1	92738.90	9	-228514.00	17	9600.77	1	-697.57	11
0	Min.	290	0.00	1	0.00	1	0.00	1	152802.00	1	92738.90	9	-228514.00	17	9600.77	1	-697.57	11
0	Min.	261	0.00	1	0.00	1	0.00	1	152802.00	1	92738.90	9	-228514.00	17	9600.77	1	-697.57	11
0	Min.	260	0.00	1	0.00	1	0.00	1	152802.00	1	92738.90	9	-228514.00	17	9600.77	1	-697.57	11
0	Max	317	0.00	1	0.00	1	0.00	1	127668.00	1	51588.00	9	112949.00	17	19741.00	1	832.03	11
0	Max	318	0.00	1	0.00	1	0.00	1	127668.00	1	51588.00	9	112949.00	17	19741.00	1	832.03	11
0	Max	299	0.00	1	0.00	1	0.00	1	127668.00	1	51588.00	9	112949.00	17	19741.00	1	832.03	11
0	Max	298	0.00	1	0.00	1	0.00	1	127668.00	1	51588.00	9	112949.00	17	19741.00	1	832.03	11
0	Min.	317	0.00	1	0.00	1	0.00	1	73479.70	18	-31561.00	17	-13319.70	11	-2494.50	17	-13921.70	17
0	Min.	318	0.00	1	0.00	1	0.00	1	73479.70	18	-31561.00	17	-13319.70	11	-2494.50	17	-13921.70	17
0	Min.	299	0.00	1	0.00	1	0.00	1	73479.70	18	-31561.00	17	-13319.70	11	-2494.50	17	-13921.70	17
0	Min.	298	0.00	1	0.00	1	0.00	1	73479.70	18	-31561.00	17	-13319.70	11	-2494.50	17	-13921.70	17
0	Max	313	0.00	1	0.00	1	0.00	1	379428.00	17	423173.00	17	93104.10	17	80956.90	17	2056.75	1
0	Max	314	0.00	1	0.00	1	0.00	1	379428.00	17	423173.00	17	93104.10	17	80956.90	17	2056.75	1
0	Max	295	0.00	1	0.00	1	0.00	1	379428.00	17	423173.00	17	93104.10	17	80956.90	17	2056.75	1
0	Max	294	0.00	1	0.00	1	0.00	1	379428.00	17	423173.00	17	93104.10	17	80956.90	17	2056.75	1
0	Min.	313	0.00	1	0.00	1	0.00	1	133026.00	11	67708.10	5	-11098.60	9	11721.70	11	-10793.80	17
0	Min.	314	0.00	1	0.00	1	0.00	1	133026.00	11	67708.10	5	-11098.60	9	11721.70	11	-10793.80	17
0	Min.	295	0.00	1	0.00	1	0.00	1	133026.00	11	67708.10	5	-11098.60	9	11721.70	11	-10793.80	17
0	Min.	294	0.00	1	0.00	1	0.00	1	133026.00	11	67708.10	5	-11098.60	9	11721.70	11	-10793.80	17
0	Max	331	0.00	1	0.00	1	0.00	1	317123.00	17	216574.00	17	9806.63	17	74344.50	17	908.63	1
0	Max	332	0.00	1	0.00	1	0.00	1	317123.00	17	216574.00	17	9806.63	17	74344.50	17	908.63	1
0	Max	313	0.00	1	0.00	1	0.00	1	317123.00	17	216574.00	17	9806.63	17	74344.50	17	908.63	1
0	Max	312	0.00	1	0.00	1	0.00	1	317123.00	17	216574.00	17	9806.63	17	74344.50	17	908.63	1
0	Min.	331	0.00	1	0.00	1	0.00	1	111000.00	11	34684.20	11	-13963.50	1	14375.10	11	-2200.48	17
0	Min.	332	0.00	1	0.00	1	0.00	1	111000.00	11	34684.20	11	-13963.50	1	14375.10	11	-2200.48	17
0	Min.	313	0.00	1	0.00	1	0.00	1	111000.00	11	34684.20	11	-13963.50	1	14375.10	11	-2200.48	17
0	Min.	312	0.00	1	0.00	1	0.00	1	111000.00	11	34684.20	11	-13963.50	1	14375.10	11	-2200.48	17
0	Max	342	0.00	1	0.00	1	0.00	1	101366.00	5	-953.22	5	-244.61	9	23372.20	5	-1130.00	17
0	Max	343	0.00	1	0.00	1	0.00	1	101366.00	5	-953.22	5	-244.61	9	23372.20	5	-1130.00	17
0	Max	324	0.00	1	0.00	1	0.00	1	101366.00	5	-953.22	5	-244.61	9	23372.20	5	-1130.00	17
0	Max	323	0.00	1	0.00	1	0.00	1	101366.00	5	-953.22	5	-244.61	9	23372.20	5	-1130.00	17
0	Min.	342	0.00	1	0.00	1	0.00	1	40424.50	18	-24101.30	17	-68796.70	17	-622.03	17	-12252.10	5
0	Min.	343	0.00	1	0.00	1	0.00	1	40424.50	18	-24101.30	17	-68796.70	17	-622.03	17	-12252.10	5
0	Min.	324	0.00	1	0.00	1	0.00	1	40424.50	18	-24101.30	17	-68796.70	17	-622.03	17	-12252.10	5
0	Min.	323	0.00	1	0.00	1	0.00	1	40424.50	18	-24101.30	17	-68796.70	17	-622.03	17	-12252.10	5
0	Max	350	0.00	1	0.00	1	0.00	1	237998.00	17	28080.90	17	2453.97	17	71120.60	17	-10459.10	11
0	Max	351	0.00	1	0.00	1	0.00	1	237998.00	17	28080.90	17	2453.97	17	71120.60	17	-10459.10	11

0	Max	332	0.00	1	0.00	1	0.00	1	237998.00	17	28080.90	17	2453.97	17	71120.60	17	-10459.10	11
0	Max	331	0.00	1	0.00	1	0.00	1	237998.00	17	28080.90	17	2453.97	17	71120.60	17	-10459.10	11
0	Min.	350	0.00	1	0.00	1	0.00	1	89239.90	11	-4470.94	11	-10225.10	1	18509.50	11	-31899.30	17
0	Min.	351	0.00	1	0.00	1	0.00	1	89239.90	11	-4470.94	11	-10225.10	1	18509.50	11	-31899.30	17
0	Min.	332	0.00	1	0.00	1	0.00	1	89239.90	11	-4470.94	11	-10225.10	1	18509.50	11	-31899.30	17
0	Min.	331	0.00	1	0.00	1	0.00	1	89239.90	11	-4470.94	11	-10225.10	1	18509.50	11	-31899.30	17
0	Max	361	0.00	1	0.00	1	0.00	1	81756.30	5	-7375.64	18	3053.15	9	-3092.12	9	-12109.10	18
0	Max	362	0.00	1	0.00	1	0.00	1	81756.30	5	-7375.64	18	3053.15	9	-3092.12	9	-12109.10	18
0	Max	343	0.00	1	0.00	1	0.00	1	81756.30	5	-7375.64	18	3053.15	9	-3092.12	9	-12109.10	18
0	Max	342	0.00	1	0.00	1	0.00	1	81756.30	5	-7375.64	18	3053.15	9	-3092.12	9	-12109.10	18
0	Min.	361	0.00	1	0.00	1	0.00	1	34350.00	18	-11185.40	5	-24895.10	17	-6398.37	17	-16961.30	7
0	Min.	362	0.00	1	0.00	1	0.00	1	34350.00	18	-11185.40	5	-24895.10	17	-6398.37	17	-16961.30	7
0	Min.	343	0.00	1	0.00	1	0.00	1	34350.00	18	-11185.40	5	-24895.10	17	-6398.37	17	-16961.30	7
0	Min.	342	0.00	1	0.00	1	0.00	1	34350.00	18	-11185.40	5	-24895.10	17	-6398.37	17	-16961.30	7
0	Max	304	0.00	1	0.00	1	0.00	1	154353.00	5	105526.00	5	6517.48	9	18753.70	5	20071.00	17
0	Max	305	0.00	1	0.00	1	0.00	1	154353.00	5	105526.00	5	6517.48	9	18753.70	5	20071.00	17
0	Max	286	0.00	1	0.00	1	0.00	1	154353.00	5	105526.00	5	6517.48	9	18753.70	5	20071.00	17
0	Max	285	0.00	1	0.00	1	0.00	1	154353.00	5	105526.00	5	6517.48	9	18753.70	5	20071.00	17
0	Min.	304	0.00	1	0.00	1	0.00	1	34057.10	17	-123245.00	17	-142391.00	17	-28244.00	17	-701.01	9
0	Min.	305	0.00	1	0.00	1	0.00	1	34057.10	17	-123245.00	17	-142391.00	17	-28244.00	17	-701.01	9
0	Min.	286	0.00	1	0.00	1	0.00	1	34057.10	17	-123245.00	17	-142391.00	17	-28244.00	17	-701.01	9
0	Min.	285	0.00	1	0.00	1	0.00	1	34057.10	17	-123245.00	17	-142391.00	17	-28244.00	17	-701.01	9
0	Max	283	0.00	1	0.00	1	0.00	1	179543.00	11	168092.00	11	11068.90	1	20397.60	11	3522.79	7
0	Max	284	0.00	1	0.00	1	0.00	1	179543.00	11	168092.00	11	11068.90	1	20397.60	11	3522.79	7
0	Max	255	0.00	1	0.00	1	0.00	1	179543.00	11	168092.00	11	11068.90	1	20397.60	11	3522.79	7
0	Max	254	0.00	1	0.00	1	0.00	1	179543.00	11	168092.00	11	11068.90	1	20397.60	11	3522.79	7
0	Min.	283	0.00	1	0.00	1	0.00	1	-30888.20	17	-538066.00	17	-106054.00	17	-84018.10	17	-1135.80	17
0	Min.	284	0.00	1	0.00	1	0.00	1	-30888.20	17	-538066.00	17	-106054.00	17	-84018.10	17	-1135.80	17
0	Min.	255	0.00	1	0.00	1	0.00	1	-30888.20	17	-538066.00	17	-106054.00	17	-84018.10	17	-1135.80	17
0	Min.	254	0.00	1	0.00	1	0.00	1	-30888.20	17	-538066.00	17	-106054.00	17	-84018.10	17	-1135.80	17
0	Max	364	0.00	1	0.00	1	0.00	1	125111.00	17	-8883.26	18	-1449.53	11	-1190.47	17	16865.40	5
0	Max	365	0.00	1	0.00	1	0.00	1	125111.00	17	-8883.26	18	-1449.53	11	-1190.47	17	16865.40	5
0	Max	346	0.00	1	0.00	1	0.00	1	125111.00	17	-8883.26	18	-1449.53	11	-1190.47	17	16865.40	5
0	Max	345	0.00	1	0.00	1	0.00	1	125111.00	17	-8883.26	18	-1449.53	11	-1190.47	17	16865.40	5
0	Min.	364	0.00	1	0.00	1	0.00	1	72701.50	1	-11305.20	17	-40406.90	17	-3874.12	11	8644.34	18
0	Min.	365	0.00	1	0.00	1	0.00	1	72701.50	1	-11305.20	17	-40406.90	17	-3874.12	11	8644.34	18
0	Min.	346	0.00	1	0.00	1	0.00	1	72701.50	1	-11305.20	17	-40406.90	17	-3874.12	11	8644.34	18
0	Min.	345	0.00	1	0.00	1	0.00	1	72701.50	1	-11305.20	17	-40406.90	17	-3874.12	11	8644.34	18
0	Max	275	0.00	1	0.00	1	0.00	1	186589.00	17	67121.00	17	124413.00	17	29465.90	17	902.44	11
0	Max	316	0.00	1	0.00	1	0.00	1	186589.00	17	67121.00	17	124413.00	17	29465.90	17	902.44	11
0	Max	297	0.00	1	0.00	1	0.00	1	186589.00	17	67121.00	17	124413.00	17	29465.90	17	902.44	11
0	Max	274	0.00	1	0.00	1	0.00	1	186589.00	17	67121.00	17	124413.00	17	29465.90	17	902.44	11
0	Min.	275	0.00	1	0.00	1	0.00	1	111097.00	7	34449.90	7	-13890.40	11	14361.80	7	-15328.90	17
0	Min.	316	0.00	1	0.00	1	0.00	1	111097.00	7	34449.90	7	-13890.40	11	14361.80	7	-15328.90	17
0	Min.	297	0.00	1	0.00	1	0.00	1	111097.00	7	34449.90	7	-13890.40	11	14361.80	7	-15328.90	17
0	Min.	274	0.00	1	0.00	1	0.00	1	111097.00	7	34449.90	7	-13890.40	11	14361.80	7	-15328.90	17
0	Max	327	0.00	1	0.00	1	0.00	1	227402.00	17	145367.00	17	41.21	11	47757.70	17	14074.20	17
0	Max	328	0.00	1	0.00	1	0.00	1	227402.00	17	145367.00	17	41.21	11	47757.70	17	14074.20	17
0	Max	309	0.00	1	0.00	1	0.00	1	227402.00	17	145367.00	17	41.21	11	47757.70	17	14074.20	17
0	Max	308	0.00	1	0.00	1	0.00	1	227402.00	17	145367.00	17	41.21	11	47757.70	17	14074.20	17
0	Min.	327	0.00	1	0.00	1	0.00	1	111755.00	1	35257.30	9	-130435.00	17	14665.20	1	-704.88	11
0	Min.	328	0.00	1	0.00	1	0.00	1	111755.00	1	35257.30	9	-130435.00	17	14665.20	1	-704.88	11
0	Min.	309	0.00	1	0.00	1	0.00	1	111755.00	1	35257.30	9	-130435.00	17	14665.20	1	-704.88	11
0	Min.	308	0.00	1	0.00	1	0.00	1	111755.00	1	35257.30	9	-130435.00	17	14665.20	1	-704.88	11
0	Max	323	0.00	1	0.00	1	0.00	1	128242.00	5	52355.50	5	541.75	9	20023.10	5	11004.20	17
0	Max	324	0.00	1	0.00	1	0.00	1	128242.00	5	52355.50	5	541.75	9	20023.10	5	11004.20	17
0	Max	305	0.00	1	0.00	1	0.00	1	128242.00	5	52355.50	5	541.75	9	20023.10	5	11004.20	17
0	Max	304	0.00	1	0.00	1	0.00	1	128242.00	5	52355.50	5	541.75	9	20023.10	5	11004.20	17
0	Min.	323	0.00	1	0.00	1	0.00	1	41417.80	17	-48094.40	17	-102503.00	17	-13552.70	17	-767.63	9
0	Min.	324	0.00	1	0.00	1	0.00	1	41417.80	17	-48094.40	17	-102503.00	17	-13552.70	17	-767.63	9
0	Min.	305	0.00	1	0.00	1	0.00	1	41417.80	17	-48094.40	17	-102503.00	17	-13552.70	17	-767.63	9
0	Min.	304	0.00	1	0.00	1	0.00	1	41417.80	17	-48094.40	17	-102503.00	17	-13552.70	17	-767.63	9
0	Max	353	0.00	1	0.00	1	0.00	1	173187.00	17	5782.54	17	88702.70	17	49360.00	17	20834.90	17
0	Max	276	0.00	1	0.00	1	0.00	1	173187.00	17	5782.54	17	88702.70	17	49360.00	17	20834.90	17
0	Max	275	0.00	1	0.00	1	0.00	1	173187.00	17	5782.54	17	88702.70	17	49360.00	17	20834.90	17
0	Max	334	0.00	1	0.00	1	0.00	1	173187.00	17	5782.54	17	88702.70	17	49360.00	17	20834.90	17
0	Min.	353	0.00	1	0.00	1	0.00	1	89495.30	5	-4694.25	5	-3460.44	9	18026.60	5	11171.80	7
0	Min.	276	0.00	1	0.00	1	0.00	1	89495.30	5	-4694.25	5	-3460.44	9	18026.60	5	11171.80	7
0	Min.	275	0.00	1	0.00	1	0.00	1	89495.30	5	-4694.25	5	-3460.44	9	18026.60	5	11171.80	7
0	Min.	334	0.00	1	0.00	1	0.00	1	89495.30	5	-4694.25	5	-3460.44	9	18026.60	5	11171.80	7
0	Max	362	0.00	1	0.00	1	0.00	1	81704.30	5	-5091.22	18	-1441.71	9	-732.82	17	16756.50	5
0	Max	363	0.00	1	0.00	1	0.00	1	81704.30	5	-5091.22	18	-1441.71	9	-732.82	17	16756.50	5
0	Max	344	0.00	1	0.00	1	0.00	1	81704.30	5	-5091.22	18	-1441.71	9	-732.82	17	16756.50	5
0	Max	343	0.00	1	0.00	1	0.00	1	81704.30	5	-5091.22	18	-1441.71	9	-732.82	17	16756.50	5
0	Min.	362	0.00	1	0.00	1	0.00	1	57906.10	18	-11074.80	5	-36121.40	17	-3897.45	11	-3260.69	17
0	Min.	363	0.00	1	0.00	1	0.00	1	57906.10	18	-11074.80	5	-36121.40	17	-3897.45	11	-3260.69	17
0	Min.	344	0.00	1	0.00	1	0.00	1	57906.10	18	-11074.80	5	-36121.40	17	-3897.45	11	-3260.69	17
0	Min.	343	0.00	1	0.00	1	0.00	1	57906.10	18	-11074.80	5	-36121.40	17	-3897.45	11	-3260.69	17
0	Max	318	0.00	1	0.00	1	0.00	1	128821.00	9	51763.70	9	89831.00	17	19997.50	9	1707.70	5
0	Max	319	0.00	1	0.00	1	0.00	1	128821.00	9	51763.70	9	89831.00	17	19997.50	9	1707.70	5
0	Max	300	0.00	1	0.00	1	0.00	1	128821.00	9	51763.70	9	89831.00	17	19997.50	9	1707.70	5
0	Max	299	0.00	1	0.00	1	0.00	1	128821.00	9	51763.70	9	89831.00	17	19997.50	9	1707.70	5
0	Min.	318	0.00	1	0.00	1	0.00	1	44346.60	17	-67018.80	17	-4977.95	5	-15523.60	17	-11116.00	17
0	Min.	319	0.00	1	0.00	1	0.00	1	44346.60	17	-67018.80	17	-4977.95	5	-15523.60	17	-11116.00	17
0	Min.	300	0.00	1	0.00	1	0.00	1	44346.60	17	-67018.80	17	-4977.95	5	-15523.60	17	-11116.00	17
0	Min.	299	0.00	1	0.00	1	0.00	1	44346.60	17	-67018.80	17	-4977.95	5	-15523.60	17	-11116.00	17
0	Max	357	0.00	1	0.00	1	0.00	1	81948.20	9	-3894.12	17	16608.60	17	-1915.86	18	7350.02	17
0	Max	358	0.00	1	0.00	1	0.00	1	81948.20	9	-3894.12	17	16608.60	17	-1915.86	18	7350.02	17
0	Max	339	0.00	1	0.00	1	0.00	1	81948.20	9	-3894.12	17	16608.60	17	-1915.86	18	7350.02	17
0	Max	338	0.00	1	0.00	1	0.00	1	81948.20	9	-3894.12	17	16608.60	17	-1915.86	18	7350.02	17
0	Min.	357	0.00	1	0.00	1	0.00	1	28842.60	18	-11175.80	11	-824.60	5	-3468.30	5	-16979.30	11
0	Min.	358	0.00	1	0.00	1	0.00	1	28842.60	18	-11175.80	11	-824.60	5	-3468.30	5	-16979.30	11
0	Min.	339	0.00	1	0.00	1	0.00	1	28842.60	18	-11175.80	11	-824.60	5	-3468.30	5	-16979.30	11
0	Min.	338	0.00	1	0.00	1	0.00	1	28842.60	18	-11175.80	11	-824.60	5	-3468.30	5	-16979.30	11
0	Max	343	0.00	1	0.00	1	0.00	1	101754.00	5	-1271.59	5	6522.65	9	22913.30	5	13123.40	7
0	Max	344	0.00	1	0.00	1	0.00	1	101754.00	5	-1271.59	5	6522.65	9	22913.30	5	13123.40	7
0	Max	325	0.00	1	0.00	1	0.00	1	101754.00	5	-1271.59	5	6522.65	9	22913.30	5	13123.40	7
0	Max	324	0.00	1	0.00	1	0.00	1	101754.00	5	-1271.59	5	6522.65	9	22913.30	5	13123.40	7
0	Min.	343	0.00	1	0.00	1	0.00	1	64331.90	18	-13629.90	17	-84759.80	17	4331.93	17	8853.27	18
0	Min.	344	0.00	1	0.00	1	0.00	1	64331.90	18	-13629.90	17	-84759.80	17	4331.93	17	8853.27	18
0	Min.	325	0.00	1	0.00	1	0.00	1	64331.90	18	-13629.90	17	-84759.80	17	4331.93	17	8853.27	18
0	Min.	324	0.00	1	0.00	1	0.00	1	64331.90	18	-13629.90	17	-84759.80	17	4331.93	17	8853.27	18
0	Max	290	0.00	1	0.00	1	0.00	1	360338.00	17	742605.00	17	11940.70	5	93775.50	17	34895.40	17
0	Max	291	0.00	1	0.00	1	0.00	1	360338.00	17	742605.00	17	11940.70	5	93775.50	17	34895.40	17
0	Max	262	0.00	1	0.00	1	0.00	1	360338.00	17	742605.00	17	11940.70	5	93775.50	17	34895.40	17

0	Max	261	0.00	1	0.00	1	0.00	1	360338.00	17	742605.00	17	11940.70	5	93775.50	17	34895.40	17
0	Min.	290	0.00	1	0.00	1	0.00	1	153337.00	9	89488.50	9	-162754.00	17	9138.85	9	-544.84	5
0	Min.	291	0.00	1	0.00	1	0.00	1	153337.00	9	89488.50	9	-162754.00	17	9138.85	9	-544.84	5
0	Min.	262	0.00	1	0.00	1	0.00	1	153337.00	9	89488.50	9	-162754.00	17	9138.85	9	-544.84	5
0	Min.	261	0.00	1	0.00	1	0.00	1	153337.00	9	89488.50	9	-162754.00	17	9138.85	9	-544.84	5
0	Max	273	0.00	1	0.00	1	0.00	1	301961.00	17	206289.00	17	279125.00	17	36012.60	17	3493.64	9
0	Max	278	0.00	1	0.00	1	0.00	1	301961.00	17	206289.00	17	279125.00	17	36012.60	17	3493.64	9
0	Max	249	0.00	1	0.00	1	0.00	1	301961.00	17	206289.00	17	279125.00	17	36012.60	17	3493.64	9
0	Max	2	0.00	1	0.00	1	0.00	1	301961.00	17	206289.00	17	279125.00	17	36012.60	17	3493.64	9
0	Min.	273	0.00	1	0.00	1	0.00	1	152647.00	5	89327.20	7	-19110.10	11	9089.58	7	-34733.10	17
0	Min.	278	0.00	1	0.00	1	0.00	1	152647.00	5	89327.20	7	-19110.10	11	9089.58	7	-34733.10	17
0	Min.	249	0.00	1	0.00	1	0.00	1	152647.00	5	89327.20	7	-19110.10	11	9089.58	7	-34733.10	17
0	Min.	2	0.00	1	0.00	1	0.00	1	152647.00	5	89327.20	7	-19110.10	11	9089.58	7	-34733.10	17
0	Max	322	0.00	1	0.00	1	0.00	1	128118.00	11	50923.70	5	9054.39	9	19716.70	11	6775.30	17
0	Max	323	0.00	1	0.00	1	0.00	1	128118.00	11	50923.70	5	9054.39	9	19716.70	11	6775.30	17
0	Max	304	0.00	1	0.00	1	0.00	1	128118.00	11	50923.70	5	9054.39	9	19716.70	11	6775.30	17
0	Max	303	0.00	1	0.00	1	0.00	1	128118.00	11	50923.70	5	9054.39	9	19716.70	11	6775.30	17
0	Min.	322	0.00	1	0.00	1	0.00	1	14444.30	17	-84492.50	17	-69099.90	17	-23586.40	17	83.73	1
0	Min.	323	0.00	1	0.00	1	0.00	1	14444.30	17	-84492.50	17	-69099.90	17	-23586.40	17	83.73	1
0	Min.	304	0.00	1	0.00	1	0.00	1	14444.30	17	-84492.50	17	-69099.90	17	-23586.40	17	83.73	1
0	Min.	303	0.00	1	0.00	1	0.00	1	14444.30	17	-84492.50	17	-69099.90	17	-23586.40	17	83.73	1
0	Max	285	0.00	1	0.00	1	0.00	1	178491.00	5	169147.00	5	11997.70	9	20326.30	5	22385.30	17
0	Max	286	0.00	1	0.00	1	0.00	1	178491.00	5	169147.00	5	11997.70	9	20326.30	5	22385.30	17
0	Max	257	0.00	1	0.00	1	0.00	1	178491.00	5	169147.00	5	11997.70	9	20326.30	5	22385.30	17
0	Max	256	0.00	1	0.00	1	0.00	1	178491.00	5	169147.00	5	11997.70	9	20326.30	5	22385.30	17
0	Min.	285	0.00	1	0.00	1	0.00	1	13054.90	17	-289620.00	17	-243762.00	17	-54585.10	17	-547.67	9
0	Min.	286	0.00	1	0.00	1	0.00	1	13054.90	17	-289620.00	17	-243762.00	17	-54585.10	17	-547.67	9
0	Min.	257	0.00	1	0.00	1	0.00	1	13054.90	17	-289620.00	17	-243762.00	17	-54585.10	17	-547.67	9
0	Min.	256	0.00	1	0.00	1	0.00	1	13054.90	17	-289620.00	17	-243762.00	17	-54585.10	17	-547.67	9
0	Max	370	0.00	1	0.00	1	0.00	1	172211.00	17	-9925.96	11	10791.90	17	-3458.13	9	47802.70	17
0	Max	371	0.00	1	0.00	1	0.00	1	172211.00	17	-9925.96	11	10791.90	17	-3458.13	9	47802.70	17
0	Max	352	0.00	1	0.00	1	0.00	1	172211.00	17	-9925.96	11	10791.90	17	-3458.13	9	47802.70	17
0	Max	351	0.00	1	0.00	1	0.00	1	172211.00	17	-9925.96	11	10791.90	17	-3458.13	9	47802.70	17
0	Min.	370	0.00	1	0.00	1	0.00	1	72916.40	5	-24483.90	17	-5214.08	1	-7738.98	17	13871.10	11
0	Min.	371	0.00	1	0.00	1	0.00	1	72916.40	5	-24483.90	17	-5214.08	1	-7738.98	17	13871.10	11
0	Min.	352	0.00	1	0.00	1	0.00	1	72916.40	5	-24483.90	17	-5214.08	1	-7738.98	17	13871.10	11
0	Min.	351	0.00	1	0.00	1	0.00	1	72916.40	5	-24483.90	17	-5214.08	1	-7738.98	17	13871.10	11
0	Max	367	0.00	1	0.00	1	0.00	1	174748.00	17	-10084.40	11	3066.19	5	-3080.29	5	-13964.40	11
0	Max	368	0.00	1	0.00	1	0.00	1	174748.00	17	-10084.40	11	3066.19	5	-3080.29	5	-13964.40	11
0	Max	349	0.00	1	0.00	1	0.00	1	174748.00	17	-10084.40	11	3066.19	5	-3080.29	5	-13964.40	11
0	Max	348	0.00	1	0.00	1	0.00	1	174748.00	17	-10084.40	11	3066.19	5	-3080.29	5	-13964.40	11
0	Min.	367	0.00	1	0.00	1	0.00	1	72643.20	9	-23940.00	17	-13692.70	17	-6290.71	17	-47808.50	17
0	Min.	368	0.00	1	0.00	1	0.00	1	72643.20	9	-23940.00	17	-13692.70	17	-6290.71	17	-47808.50	17
0	Min.	349	0.00	1	0.00	1	0.00	1	72643.20	9	-23940.00	17	-13692.70	17	-6290.71	17	-47808.50	17
0	Min.	348	0.00	1	0.00	1	0.00	1	72643.20	9	-23940.00	17	-13692.70	17	-6290.71	17	-47808.50	17
0	Max	314	0.00	1	0.00	1	0.00	1	343918.00	17	348517.00	17	133191.00	17	68048.70	17	2372.73	9
0	Max	315	0.00	1	0.00	1	0.00	1	343918.00	17	348517.00	17	133191.00	17	68048.70	17	2372.73	9
0	Max	296	0.00	1	0.00	1	0.00	1	343918.00	17	348517.00	17	133191.00	17	68048.70	17	2372.73	9
0	Max	295	0.00	1	0.00	1	0.00	1	343918.00	17	348517.00	17	133191.00	17	68048.70	17	2372.73	9
0	Min.	314	0.00	1	0.00	1	0.00	1	132350.00	5	66020.70	5	-13217.20	9	11368.50	5	-17958.20	17
0	Min.	315	0.00	1	0.00	1	0.00	1	132350.00	5	66020.70	5	-13217.20	9	11368.50	5	-17958.20	17
0	Min.	296	0.00	1	0.00	1	0.00	1	132350.00	5	66020.70	5	-13217.20	9	11368.50	5	-17958.20	17
0	Min.	295	0.00	1	0.00	1	0.00	1	132350.00	5	66020.70	5	-13217.20	9	11368.50	5	-17958.20	17
0	Max	295	0.00	1	0.00	1	0.00	1	424484.00	17	630450.00	17	232352.00	17	93781.10	17	3323.76	9
0	Max	296	0.00	1	0.00	1	0.00	1	424484.00	17	630450.00	17	232352.00	17	93781.10	17	3323.76	9
0	Max	267	0.00	1	0.00	1	0.00	1	424484.00	17	630450.00	17	232352.00	17	93781.10	17	3323.76	9
0	Max	266	0.00	1	0.00	1	0.00	1	424484.00	17	630450.00	17	232352.00	17	93781.10	17	3323.76	9
0	Min.	295	0.00	1	0.00	1	0.00	1	153347.00	5	89478.70	5	-19117.60	9	9139.13	5	-19141.70	17
0	Min.	296	0.00	1	0.00	1	0.00	1	153347.00	5	89478.70	5	-19117.60	9	9139.13	5	-19141.70	17
0	Min.	267	0.00	1	0.00	1	0.00	1	153347.00	5	89478.70	5	-19117.60	9	9139.13	5	-19141.70	17
0	Min.	266	0.00	1	0.00	1	0.00	1	153347.00	5	89478.70	5	-19117.60	9	9139.13	5	-19141.70	17
0	Max	356	0.00	1	0.00	1	0.00	1	81797.10	9	-7741.63	18	22011.30	17	-3455.87	5	16850.50	1
0	Max	357	0.00	1	0.00	1	0.00	1	81797.10	9	-7741.63	18	22011.30	17	-3455.87	5	16850.50	1
0	Max	338	0.00	1	0.00	1	0.00	1	81797.10	9	-7741.63	18	22011.30	17	-3455.87	5	16850.50	1
0	Max	337	0.00	1	0.00	1	0.00	1	81797.10	9	-7741.63	18	22011.30	17	-3455.87	5	16850.50	1
0	Min.	356	0.00	1	0.00	1	0.00	1	32664.10	18	-11055.80	1	-5327.14	5	-6540.82	17	10729.00	18
0	Min.	357	0.00	1	0.00	1	0.00	1	32664.10	18	-11055.80	1	-5327.14	5	-6540.82	17	10729.00	18
0	Min.	338	0.00	1	0.00	1	0.00	1	32664.10	18	-11055.80	1	-5327.14	5	-6540.82	17	10729.00	18
0	Min.	337	0.00	1	0.00	1	0.00	1	32664.10	18	-11055.80	1	-5327.14	5	-6540.82	17	10729.00	18
0	Max	299	0.00	1	0.00	1	0.00	1	154494.00	9	105388.00	9	115403.00	17	18768.40	9	2112.70	5
0	Max	300	0.00	1	0.00	1	0.00	1	154494.00	9	105388.00	9	115403.00	17	18768.40	9	2112.70	5
0	Max	281	0.00	1	0.00	1	0.00	1	154494.00	9	105388.00	9	115403.00	17	18768.40	9	2112.70	5
0	Max	280	0.00	1	0.00	1	0.00	1	154494.00	9	105388.00	9	115403.00	17	18768.40	9	2112.70	5
0	Min.	299	0.00	1	0.00	1	0.00	1	48163.10	17	-165490.00	17	-11992.30	5	-29685.30	17	-21485.00	17
0	Min.	300	0.00	1	0.00	1	0.00	1	48163.10	17	-165490.00	17	-11992.30	5	-29685.30	17	-21485.00	17
0	Min.	281	0.00	1	0.00	1	0.00	1	48163.10	17	-165490.00	17	-11992.30	5	-29685.30	17	-21485.00	17
0	Min.	280	0.00	1	0.00	1	0.00	1	48163.10	17	-165490.00	17	-11992.30	5	-29685.30	17	-21485.00	17
0	Max	328	0.00	1	0.00	1	0.00	1	272453.00	17	179515.00	17	9697.63	5	60726.40	17	13434.20	17
0	Max	329	0.00	1	0.00	1	0.00	1	272453.00	17	179515.00	17	9697.63	5	60726.40	17	13434.20	17
0	Max	310	0.00	1	0.00	1	0.00	1	272453.00	17	179515.00	17	9697.63	5	60726.40	17	13434.20	17
0	Max	309	0.00	1	0.00	1	0.00	1	272453.00	17	179515.00	17	9697.63	5	60726.40	17	13434.20	17
0	Min.	328	0.00	1	0.00	1	0.00	1	111604.00	9	34079.30	9	-83788.50	17	14362.70	9	75.03	5
0	Min.	329	0.00	1	0.00	1	0.00	1	111604.00	9	34079.30	9	-83788.50	17	14362.70	9	75.03	5
0	Min.	310	0.00	1	0.00	1	0.00	1	111604.00	9	34079.30	9	-83788.50	17	14362.70	9	75.03	5
0	Min.	309	0.00	1	0.00	1	0.00	1	111604.00	9	34079.30	9	-83788.50	17	14362.70	9	75.03	5
0	Max	335	0.00	1	0.00	1	0.00	1	103535.00	17	-1294.54	1	92240.50	17	22905.90	1	13102.70	1
0	Max	336	0.00	1	0.00	1	0.00	1	103535.00	17	-1294.54	1	92240.50	17	22905.90	1	13102.70	1
0	Max	317	0.00	1	0.00	1	0.00	1	103535.00	17	-1294.54	1	92240.50	17	22905.90	1	13102.70	1
0	Max	316	0.00	1	0.00	1	0.00	1	103535.00	17	-1294.54	1	92240.50	17	22905.90	1	13102.70	1
0	Min.	335	0.00	1	0.00	1	0.00	1	80812.30	18	-14319.50	17	-3410.61	11	17449.40	18	7795.53	18
0	Min.	336	0.00	1	0.00	1	0.00	1	80812.30	18	-14319.50	17	-3410.61	11	17449.40	18	7795.53	18
0	Min.	317	0.00	1	0.00	1	0.00	1	80812.30	18	-14319.50	17	-3410.61	11	17449.40	18	7795.53	18
0	Min.	316	0.00	1	0.00	1	0.00	1	80812.30	18	-14319.50	17	-3410.61	11	17449.40	18	7795.53	18
0	Max	369	0.00	1	0.00	1	0.00	1	186847.00	17	-10124.00	11	8381.32	17	-3080.13	7	-13997.40	5
0	Max	370	0.00	1	0.00	1	0.00	1	186847.00	17	-10124.00	11	8381.32	17	-3080.13	7	-13997.40	5
0	Max	351	0.00	1	0.00	1	0.00	1	186847.00	17	-10124.00	11	8381.32	17	-3080.13	7	-13997.40	5
0	Max	350	0.00	1	0.00	1	0.00	1	186847.00	17	-10124.00	11	8381.32	17	-3080.13	7	-13997.40	5
0	Min.	369	0.00	1	0.00	1	0.00	1	72653.20	11	-23137.40	17	-810.48	1	-4186.95	17	-40402.90	17
0	Min.	370	0.00	1	0.00	1	0.00	1	72653.20	11	-23137.40	17	-810.48	1	-4186.95	17	-40402.90	17
0	Min.	351	0.00	1	0.00	1	0.00	1	72653.20	11	-23137.40	17	-810.48	1	-4186.95	17	-40402.90	17
0	Min.	350	0.00	1	0.00	1	0.00	1	72653.20	11	-23137.40	17	-810.48	1	-4186.95	17	-40402.90	17
102	Max	110	136359.00	9	164211.00	17	4352.10	9	1050.99	5	328.26	17	166.37	5	51001.70	5	381310.00	17
102	Max	111	136359.00	9	164211.00	17	4352.10	9	1050.99	5	328.26	17	166.37	5	51001.70	5	381310.00	17
102	Max	-49	136359.00	9	164211.00	17	4352.10	9	1050.99	5	328.26	17	166.37	5	51001.70	5	381310.00	17
102	Max	-68	136359.00	9	164211.00	17	4352.10	9	1050.99	5	328.26	17	166.37	5	51001.70	5	381310.00	17

102	Min.	110	-2695640.00	17	-53982.90	9	-674100.00	17	-17360.40	17	-107.20	3	-492.14	17	-787806.00	17	-25634.00	5
102	Min.	111	-2695640.00	17	-53982.90	9	-674100.00	17	-17360.40	17	-107.20	3	-492.14	17	-787806.00	17	-25634.00	5
102	Min.	-49	-2695640.00	17	-53982.90	9	-674100.00	17	-17360.40	17	-107.20	3	-492.14	17	-787806.00	17	-25634.00	5
102	Min.	-68	-2695640.00	17	-53982.90	9	-674100.00	17	-17360.40	17	-107.20	3	-492.14	17	-787806.00	17	-25634.00	5
102	Max	110	2479430.00	17	-18340.20	9	547786.00	17	14808.40	17	3587.25	17	4610.54	17	775171.00	17	25655.80	5
102	Max	111	2479430.00	17	-18340.20	9	547786.00	17	14808.40	17	3587.25	17	4610.54	17	775171.00	17	25655.80	5
102	Max	-39	2479430.00	17	-18340.20	9	547786.00	17	14808.40	17	3587.25	17	4610.54	17	775171.00	17	25655.80	5
102	Max	-58	2479430.00	17	-18340.20	9	547786.00	17	14808.40	17	3587.25	17	4610.54	17	775171.00	17	25655.80	5
102	Min.	110	-296665.00	9	-261449.00	17	-97826.70	9	-1050.70	5	-107.20	5	-166.25	5	-50962.80	5	-404577.00	17
102	Min.	111	-296665.00	9	-261449.00	17	-97826.70	9	-1050.70	5	-107.20	5	-166.25	5	-50962.80	5	-404577.00	17
102	Min.	-39	-296665.00	9	-261449.00	17	-97826.70	9	-1050.70	5	-107.20	5	-166.25	5	-50962.80	5	-404577.00	17
102	Min.	-58	-296665.00	9	-261449.00	17	-97826.70	9	-1050.70	5	-107.20	5	-166.25	5	-50962.80	5	-404577.00	17
103	Max	110	1329020.00	17	-18325.70	1	276640.00	17	17898.80	17	3900.37	17	5100.73	17	925081.00	17	25655.80	11
103	Max	111	1329020.00	17	-18325.70	1	276640.00	17	17898.80	17	3900.37	17	5100.73	17	925081.00	17	25655.80	11
103	Max	-38	1329020.00	17	-18325.70	1	276640.00	17	17898.80	17	3900.37	17	5100.73	17	925081.00	17	25655.80	11
103	Max	-57	1329020.00	17	-18325.70	1	276640.00	17	17898.80	17	3900.37	17	5100.73	17	925081.00	17	25655.80	11
103	Min.	110	-296653.00	1	-166843.00	17	-97818.60	1	-1050.76	11	-107.18	11	-166.27	11	-50966.00	11	-479998.00	17
103	Min.	111	-296653.00	1	-166843.00	17	-97818.60	1	-1050.76	11	-107.18	11	-166.27	11	-50966.00	11	-479998.00	17
103	Min.	-38	-296653.00	1	-166843.00	17	-97818.60	1	-1050.76	11	-107.18	11	-166.27	11	-50966.00	11	-479998.00	17
103	Min.	-57	-296653.00	1	-166843.00	17	-97818.60	1	-1050.76	11	-107.18	11	-166.27	11	-50966.00	11	-479998.00	17
103	Max	110	136347.00	1	69604.60	17	4344.00	1	1051.04	11	107.16	11	166.39	11	51004.90	11	456731.00	17
103	Max	111	136347.00	1	69604.60	17	4344.00	1	1051.04	11	107.16	11	166.39	11	51004.90	11	456731.00	17
103	Max	-48	136347.00	1	69604.60	17	4344.00	1	1051.04	11	107.16	11	166.39	11	51004.90	11	456731.00	17
103	Max	-67	136347.00	1	69604.60	17	4344.00	1	1051.04	11	107.16	11	166.39	11	51004.90	11	456731.00	17
103	Min.	110	-1545230.00	17	-53997.40	1	-402954.00	17	-20450.80	17	-107.18	13	-982.33	17	-937717.00	17	-25634.00	11
103	Min.	111	-1545230.00	17	-53997.40	1	-402954.00	17	-20450.80	17	-107.18	13	-982.33	17	-937717.00	17	-25634.00	11
103	Min.	-48	-1545230.00	17	-53997.40	1	-402954.00	17	-20450.80	17	-107.18	13	-982.33	17	-937717.00	17	-25634.00	11
103	Min.	-67	-1545230.00	17	-53997.40	1	-402954.00	17	-20450.80	17	-107.18	13	-982.33	17	-937717.00	17	-25634.00	11
104	Max	110	149187.00	1	-17275.70	7	7376.01	1	1113.31	11	113.52	11	176.24	11	54025.60	11	486307.00	17
104	Max	111	149187.00	1	-17275.70	7	7376.01	1	1113.31	11	113.52	11	176.24	11	54025.60	11	486307.00	17
104	Max	-47	149187.00	1	-17275.70	7	7376.01	1	1113.31	11	113.52	11	176.24	11	54025.60	11	486307.00	17
104	Max	-66	149187.00	1	-17275.70	7	7376.01	1	1113.31	11	113.52	11	176.24	11	54025.60	11	486307.00	17
104	Min.	110	-309493.00	7	-55047.40	1	-100851.00	7	-21664.30	17	-113.54	13	-1174.80	17	-996456.00	17	-27154.20	11
104	Min.	111	-309493.00	7	-55047.40	1	-100851.00	7	-21664.30	17	-113.54	13	-1174.80	17	-996456.00	17	-27154.20	11
104	Min.	-47	-309493.00	7	-55047.40	1	-100851.00	7	-21664.30	17	-113.54	13	-1174.80	17	-996456.00	17	-27154.20	11
104	Min.	-66	-309493.00	7	-55047.40	1	-100851.00	7	-21664.30	17	-113.54	13	-1174.80	17	-996456.00	17	-27154.20	11
104	Max	110	149187.00	7	-17275.70	1	7376.01	7	19112.20	17	4023.33	17	5293.19	17	983821.00	17	27176.00	11
104	Max	111	149187.00	7	-17275.70	1	7376.01	7	19112.20	17	4023.33	17	5293.19	17	983821.00	17	27176.00	11
104	Max	-37	149187.00	7	-17275.70	1	7376.01	7	19112.20	17	4023.33	17	5293.19	17	983821.00	17	27176.00	11
104	Max	-56	149187.00	7	-17275.70	1	7376.01	7	19112.20	17	4023.33	17	5293.19	17	983821.00	17	27176.00	11
104	Min.	110	-309493.00	1	-60662.80	17	-100851.00	1	-1113.03	11	-113.54	11	-176.12	11	-53986.70	11	-509574.00	17
104	Min.	111	-309493.00	1	-60662.80	17	-100851.00	1	-1113.03	11	-113.54	11	-176.12	11	-53986.70	11	-509574.00	17
104	Min.	-37	-309493.00	1	-60662.80	17	-100851.00	1	-1113.03	11	-113.54	11	-176.12	11	-53986.70	11	-509574.00	17
104	Min.	-56	-309493.00	1	-60662.80	17	-100851.00	1	-1113.03	11	-113.54	11	-176.12	11	-53986.70	11	-509574.00	17
105	Max	111	9982.43	7	75345.50	7	735705.00	17	13130.10	17	9143.86	17	506.83	9	932237.00	17	515428.00	17
105	Max	-1	9982.43	7	75345.50	7	735705.00	17	13130.10	17	9143.86	17	506.83	9	932237.00	17	515428.00	17
105	Max	-19	9982.43	7	75345.50	7	735705.00	17	13130.10	17	9143.86	17	506.83	9	932237.00	17	515428.00	17
105	Max	110	9982.43	7	75345.50	7	735705.00	17	13130.10	17	9143.86	17	506.83	9	932237.00	17	515428.00	17
105	Min.	111	-666479.00	17	-554289.00	17	-91379.00	7	-558.49	9	-616.66	9	-8630.46	17	-50335.70	9	-28628.40	9
105	Min.	-1	-666479.00	17	-554289.00	17	-91379.00	7	-558.49	9	-616.66	9	-8630.46	17	-50335.70	9	-28628.40	9
105	Min.	-19	-666479.00	17	-554289.00	17	-91379.00	7	-558.49	9	-616.66	9	-8630.46	17	-50335.70	9	-28628.40	9
105	Min.	110	-666479.00	17	-554289.00	17	-91379.00	7	-558.49	9	-616.66	9	-8630.46	17	-50335.70	9	-28628.40	9
105	Max	110	1051250.00	17	-18062.10	5	209330.00	17	1066.66	9	108.77	11	168.86	9	51762.60	9	467141.00	17
105	Max	111	1051250.00	17	-18062.10	5	209330.00	17	1066.66	9	108.77	11	168.86	9	51762.60	9	467141.00	17
105	Max	-46	1051250.00	17	-18062.10	5	209330.00	17	1066.66	9	108.77	11	168.86	9	51762.60	9	467141.00	17
105	Max	-65	1051250.00	17	-18062.10	5	209330.00	17	1066.66	9	108.77	11	168.86	9	51762.60	9	467141.00	17
105	Min.	110	-299883.00	7	-143933.00	17	-98586.10	7	-20881.90	17	-108.79	13	-1050.70	17	-958273.00	17	-26015.30	11
105	Min.	111	-299883.00	7	-143933.00	17	-98586.10	7	-20881.90	17	-108.79	13	-1050.70	17	-958273.00	17	-26015.30	11
105	Min.	-46	-299883.00	7	-143933.00	17	-98586.10	7	-20881.90	17	-108.79	13	-1050.70	17	-958273.00	17	-26015.30	11
105	Min.	-65	-299883.00	7	-143933.00	17	-98586.10	7	-20881.90	17	-108.79	13	-1050.70	17	-958273.00	17	-26015.30	11
106	Max	110	149188.00	9	237984.00	17	7376.52	9	1113.31	5	800.89	17	247.79	17	54025.40	5	267424.00	17
106	Max	111	149188.00	9	237984.00	17	7376.52	9	1113.31	5	800.89	17	247.79	17	54025.40	5	267424.00	17
106	Max	-50	149188.00	9	237984.00	17	7376.52	9	1113.31	5	800.89	17	247.79	17	54025.40	5	267424.00	17
106	Max	-69	149188.00	9	237984.00	17	7376.52	9	1113.31	5	800.89	17	247.79	17	54025.40	5	267424.00	17
106	Min.	110	-3592770.00	17	-55046.50	9	-885445.00	17	-12695.60	17	-113.54	3	-176.12	3	-561398.00	17	-27154.20	5
106	Min.	111	-3592770.00	17	-55046.50	9	-885445.00	17	-12695.60	17	-113.54	3	-176.12	3	-561398.00	17	-27154.20	5
106	Min.	-50	-3592770.00	17	-55046.50	9	-885445.00	17	-12695.60	17	-113.54	3	-176.12	3	-561398.00	17	-27154.20	5
106	Min.	-69	-3592770.00	17	-55046.50	9	-885445.00	17	-12695.60	17	-113.54	3	-176.12	3	-561398.00	17	-27154.20	5
106	Max	110	3376560.00	17	-17276.80	9	759131.00	17	10143.60	17	3114.63	17	3870.60	17	548762.00	17	27176.00	5
106	Max	111	3376560.00	17	-17276.80	9	759131.00	17	10143.60	17	3114.63	17	3870.60	17	548762.00	17	27176.00	5
106	Max	-40	3376560.00	17	-17276.80	9	759131.00	17	10143.60	17	3114.63	17	3870.60	17	548762.00	17	27176.00	5
106	Max	-59	3376560.00	17	-17276.80	9	759131.00	17	10143.60	17	3114.63	17	3870.60	17	548762.00	17	27176.00	5
106	Min.	110	-309493.00	9	-335222.00	17	-100851.00	9	-1113.02	5	-113.54	5	-176.12	5	-53986.50	5	-290691.00	17
106	Min.	111	-309493.00	9	-335222.00	17	-100851.00	9	-1113.02	5	-113.54	5	-176.12	5	-53986.50	5	-290691.00	17
106	Min.	-40	-309493.00	9	-335222.00	17	-100851.00	9	-1113.02	5	-113.54	5	-176.12	5	-53986.50	5	-290691.00	17
106	Min.	-59	-309493.00	9	-335222.00	17	-100851.00	9	-1113.02	5	-113.54	5	-176.12	5	-53986.50	5	-290691.00	17
107	Max	110	3932590.00	17	-18062.20	9	889988.00	17	4360.89	17	2528.76	17	2953.35	17	268018.00	17	26037.10	7
107	Max	111	3932590.00	17	-18062.20	9	889988.00	17	4360.89	17	2528.76	17	2953.35	17	268018.00	17	26037.10	7
107	Max	-41	3932590.00	17	-18062.20	9	889988.00	17	4360.89	17	2528.76	17	2953.35	17	268018.00	17	26037.10	7
107	Max	-60	3932590.00	17	-18062.20	9	889988.00	17	4360.89	17	2528.76	17	2953.35	17	268018.00	17	26037.10	7
107	Min.	110	-299883.00	11	-380937.00	17	-98586.10	11	-1066.38	5	-108.79	7	-168.74	5	-51723.70	5	-149489.00	17
107	Min.	111	-299883.00	11	-380937.00	17	-98586.10	11	-1066.38	5	-108.79	7	-168.74	5	-51723.70	5	-149489.00	17
107	Min.	-41	-299883.00	11	-380937.00	17	-98586.10	11	-1066.38	5	-108.79	7	-168.74	5	-51723.70	5	-149489.00	17
107	Min.	-60	-299883.00	11	-380937.00	17	-98586.10	11	-1066.38	5	-108.79	7	-168.74	5	-51723.70	5	-149489.00	17
107	Max	110	139577.00	11	283698.00	17	5110.96	11	1066.66	5	1386.76	17	1165.03	17	51762.60	5	126222.00	17
107	Max	111	139577.00	11	283698.00	17	5110.96	11	1066.66	5	1386.76	17	1165.03	17	51762.60	5	126222.00	17
107	Max	-51	139577.00	11	283698.00	17	5110.96	11	1066.66	5	1386.76	17	1165.03	17	51762.60	5	126222.00	17
107	Max	-70	139577.00	11	283698.00	17	5110.96	11	1066.66	5	1386.76	17	1165.03	17	51762.60	5	126222.00	17
107	Min.	110	-4148800.00	17	-54261.40	9	-1016300.00	17	-6912.91	17	-108.79	1	-168.74	3	-280653.00	17	-26015.30	7
107	Min.	111	-4148800.00	17	-54261.40	9	-1016300.00	17	-6912.91	17	-108.79	1	-168.74	3	-280653.00	17	-26015.30	7
107	Min.	-51	-4148800.00	17	-54261.40	9	-1016300.00	17	-6912.91	17	-108.79	1	-168.74	3	-280653.00	17	-26015.30	7
107	Min.	-70	-4148800.00	17	-54261.40	9	-1016300.00	17	-6912.91	17	-108.79	1	-168.74	3	-280653.00	17	-26015.30	7
108	Max	110	4093080.00	17	-17275.80	11	927537.00	17	1113.31	1	1887.00	17	1948.58	17	54025.60	1	27176.00	7
108	Max	111	4093080.00	17	-17275.80	11	927537.00	17	1113.31	1	1887.00	17	1948.58	17	54025.60	1	27176.00	7
108	Max	-42	4093080.00	17	-17275.80	11	927537.00	17	1113.31	1	1887.00	17	1948.58	17	54025.60	1	27176.00	7
108	Max	-61	4093080.00	17	-17275.80	11	927537.00	17	1113.31	1	1887.00	17	1948.58	17	54025.60	1	27176.00	7
108	Min.	110	-309493.00	11	-394130.00	17	-100851.00	11	-1973.57	17	-113.54	7	-176.12	7	-53986.70	7	-27154.20	1
108	Min.	111	-309493.00	11	-394130.00	17	-100851.00	11	-1973.57	17	-113.54	7	-176.12	7	-53986.70	7	-27154.20	1
108	Min.	-42	-309493.00	11	-394130.00	17	-100851.00	11	-1973.57	17	-113.54	7	-176.12	7	-53986.70	7	-27154.20	1
108	Min.	-61	-309493.00	11	-394130.00	17	-100851.00	11	-1973.57	17	-113.54	7	-176.12	7	-53986.70	7	-27154.20	1
108	Max	110	149187.00	11	296892.00	17	7375.98	11	1113.31	7	2028.51	17	2169.81	17	54025.60	7	27176.00	1
108	Max	111	149187.00	11	296892.00	17	7375.98	11	1113.31	7	2028.51	17	2169.81	17	54025.60	7	27176.00	1
108	Max	-52	149187.00	11	296892.00	17	7375.98	11	1113.31	7	2028.51	17	2169.81	17	54025.60	7	27176.00	1
108	Max	-71	149187.00	11	296892.00	17	7375.98	11	1113.31	7	2028.51	17	2169.81	17	54025.60	7	27176.00	1
108	Min.	110	-4309300.00	17	-55047.50	11	-1053850.00	17	-1113.03	1	-113.54	1	-176.12	1	-53986.70	1	-28474.70	17

108	Min.	111	-4309300.00	17	-55047.50	11	-1053850.00	17	-1113.03	1	-113.54	1	-176.12	1	-53986.70	1	-28474.70	17
108	Min.	-52	-4309300.00	17	-55047.50	11	-1053850.00	17	-1113.03	1	-113.54	1	-176.12	1	-53986.70	1	-28474.70	17
108	Min.	-71	-4309300.00	17	-55047.50	11	-1053850.00	17	-1113.03	1	-113.54	1	-176.12	1	-53986.70	1	-28474.70	17
109	Max	110	136347.00	11	276261.00	17	4344.01	11	5687.73	17	2663.35	17	3163.76	17	331287.00	17	25655.80	1
109	Max	111	136347.00	11	276261.00	17	4344.01	11	5687.73	17	2663.35	17	3163.76	17	331287.00	17	25655.80	1
109	Max	-53	136347.00	11	276261.00	17	4344.01	11	5687.73	17	2663.35	17	3163.76	17	331287.00	17	25655.80	1
109	Max	-72	136347.00	11	276261.00	17	4344.01	11	5687.73	17	2663.35	17	3163.76	17	331287.00	17	25655.80	1
109	Min.	110	-4058550.00	17	-53997.40	11	-994426.00	17	-1050.76	1	-107.18	1	-166.27	1	-50966.00	1	-181523.00	17
109	Min.	111	-4058550.00	17	-53997.40	11	-994426.00	17	-1050.76	1	-107.18	1	-166.27	1	-50966.00	1	-181523.00	17
109	Min.	-53	-4058550.00	17	-53997.40	11	-994426.00	17	-1050.76	1	-107.18	1	-166.27	1	-50966.00	1	-181523.00	17
109	Min.	-72	-4058550.00	17	-53997.40	11	-994426.00	17	-1050.76	1	-107.18	1	-166.27	1	-50966.00	1	-181523.00	17
109	Max	110	3842330.00	17	-18325.70	11	868112.00	17	1051.04	1	1252.17	17	954.64	17	51004.90	1	158255.00	17
109	Max	111	3842330.00	17	-18325.70	11	868112.00	17	1051.04	1	1252.17	17	954.64	17	51004.90	1	158255.00	17
109	Max	-43	3842330.00	17	-18325.70	11	868112.00	17	1051.04	1	1252.17	17	954.64	17	51004.90	1	158255.00	17
109	Max	-62	3842330.00	17	-18325.70	11	868112.00	17	1051.04	1	1252.17	17	954.64	17	51004.90	1	158255.00	17
109	Min.	110	-296653.00	11	-373499.00	17	-97818.60	11	-8239.75	17	-107.18	7	-166.27	7	-343922.00	17	-25634.00	1
109	Min.	111	-296653.00	11	-373499.00	17	-97818.60	11	-8239.75	17	-107.18	7	-166.27	7	-343922.00	17	-25634.00	1
109	Min.	-43	-296653.00	11	-373499.00	17	-97818.60	11	-8239.75	17	-107.18	7	-166.27	7	-343922.00	17	-25634.00	1
109	Min.	-62	-296653.00	11	-373499.00	17	-97818.60	11	-8239.75	17	-107.18	7	-166.27	7	-343922.00	17	-25634.00	1
110	Max	110	3204890.00	17	-18340.20	5	717531.00	17	1050.99	9	686.40	17	166.37	9	51001.70	9	294672.00	17
110	Max	111	3204890.00	17	-18340.20	5	717531.00	17	1050.99	9	686.40	17	166.37	9	51001.70	9	294672.00	17
110	Max	-44	3204890.00	17	-18340.20	5	717531.00	17	1050.99	9	686.40	17	166.37	9	51001.70	9	294672.00	17
110	Max	-63	3204890.00	17	-18340.20	5	717531.00	17	1050.99	9	686.40	17	166.37	9	51001.70	9	294672.00	17
110	Min.	110	-296665.00	5	-321065.00	17	-97826.70	5	-13824.20	17	-107.20	15	-166.25	15	-615215.00	17	-25634.00	9
110	Min.	111	-296665.00	5	-321065.00	17	-97826.70	5	-13824.20	17	-107.20	15	-166.25	15	-615215.00	17	-25634.00	9
110	Min.	-44	-296665.00	5	-321065.00	17	-97826.70	5	-13824.20	17	-107.20	15	-166.25	15	-615215.00	17	-25634.00	9
110	Min.	-63	-296665.00	5	-321065.00	17	-97826.70	5	-13824.20	17	-107.20	15	-166.25	15	-615215.00	17	-25634.00	9
110	Max	110	136359.00	5	223827.00	17	4352.08	5	11272.20	17	3229.11	17	4049.58	17	602580.00	17	25655.80	9
110	Max	111	136359.00	5	223827.00	17	4352.08	5	11272.20	17	3229.11	17	4049.58	17	602580.00	17	25655.80	9
110	Max	-54	136359.00	5	223827.00	17	4352.08	5	11272.20	17	3229.11	17	4049.58	17	602580.00	17	25655.80	9
110	Max	-73	136359.00	5	223827.00	17	4352.08	5	11272.20	17	3229.11	17	4049.58	17	602580.00	17	25655.80	9
110	Min.	110	-3421110.00	17	-53982.90	5	-843845.00	17	-1050.70	9	-107.20	9	-166.25	9	-50962.80	9	-317939.00	17
110	Min.	111	-3421110.00	17	-53982.90	5	-843845.00	17	-1050.70	9	-107.20	9	-166.25	9	-50962.80	9	-317939.00	17
110	Min.	-54	-3421110.00	17	-53982.90	5	-843845.00	17	-1050.70	9	-107.20	9	-166.25	9	-50962.80	9	-317939.00	17
110	Min.	-73	-3421110.00	17	-53982.90	5	-843845.00	17	-1050.70	9	-107.20	9	-166.25	9	-50962.80	9	-317939.00	17
111	Max	110	2243150.00	17	-17276.70	5	490530.00	17	1113.31	9	245.09	17	176.24	9	54025.40	9	401107.00	17
111	Max	111	2243150.00	17	-17276.70	5	490530.00	17	1113.31	9	245.09	17	176.24	9	54025.40	9	401107.00	17
111	Max	-45	2243150.00	17	-17276.70	5	490530.00	17	1113.31	9	245.09	17	176.24	9	54025.40	9	401107.00	17
111	Max	-64	2243150.00	17	-17276.70	5	490530.00	17	1113.31	9	245.09	17	176.24	9	54025.40	9	401107.00	17
111	Min.	110	-309493.00	5	-241962.00	17	-100851.00	5	-18180.40	17	-113.54	15	-622.17	17	-826907.00	17	-27154.20	9
111	Min.	111	-309493.00	5	-241962.00	17	-100851.00	5	-18180.40	17	-113.54	15	-622.17	17	-826907.00	17	-27154.20	9
111	Min.	-45	-309493.00	5	-241962.00	17	-100851.00	5	-18180.40	17	-113.54	15	-622.17	17	-826907.00	17	-27154.20	9
111	Min.	-64	-309493.00	5	-241962.00	17	-100851.00	5	-18180.40	17	-113.54	15	-622.17	17	-826907.00	17	-27154.20	9
111	Max	110	149188.00	5	144724.00	17	7376.56	5	15628.40	17	3670.43	17	4740.57	17	814272.00	17	27176.00	9
111	Max	111	149188.00	5	144724.00	17	7376.56	5	15628.40	17	3670.43	17	4740.57	17	814272.00	17	27176.00	9
111	Max	-55	149188.00	5	144724.00	17	7376.56	5	15628.40	17	3670.43	17	4740.57	17	814272.00	17	27176.00	9
111	Max	-74	149188.00	5	144724.00	17	7376.56	5	15628.40	17	3670.43	17	4740.57	17	814272.00	17	27176.00	9
111	Min.	110	-2459360.00	17	-55046.40	5	-616844.00	17	-1113.02	9	-113.54	9	-176.12	9	-53986.50	9	-424374.00	17
111	Min.	111	-2459360.00	17	-55046.40	5	-616844.00	17	-1113.02	9	-113.54	9	-176.12	9	-53986.50	9	-424374.00	17
111	Min.	-55	-2459360.00	17	-55046.40	5	-616844.00	17	-1113.02	9	-113.54	9	-176.12	9	-53986.50	9	-424374.00	17
111	Min.	-74	-2459360.00	17	-55046.40	5	-616844.00	17	-1113.02	9	-113.54	9	-176.12	9	-53986.50	9	-424374.00	17
4501	Max	251	0.00	1	0.00	1	0.00	1	196805.00	9	242194.00	9	324461.00	17	22379.80	9	1941.51	5
4501	Max	252	0.00	1	0.00	1	0.00	1	196805.00	9	242194.00	9	324461.00	17	22379.80	9	1941.51	5
4501	Max	-40	0.00	1	0.00	1	0.00	1	196805.00	9	242194.00	9	324461.00	17	22379.80	9	1941.51	5
4501	Max	-39	0.00	1	0.00	1	0.00	1	196805.00	9	242194.00	9	324461.00	17	22379.80	9	1941.51	5
4501	Min.	251	0.00	1	0.00	1	0.00	1	77825.20	18	-753746.00	17	-30097.70	5	-84032.40	17	-22072.80	17
4501	Min.	252	0.00	1	0.00	1	0.00	1	77825.20	18	-753746.00	17	-30097.70	5	-84032.40	17	-22072.80	17
4501	Min.	-40	0.00	1	0.00	1	0.00	1	77825.20	18	-753746.00	17	-30097.70	5	-84032.40	17	-22072.80	17
4501	Min.	-39	0.00	1	0.00	1	0.00	1	77825.20	18	-753746.00	17	-30097.70	5	-84032.40	17	-22072.80	17
4501	Max	-47	0.00	1	0.00	1	0.00	1	272931.00	17	260445.00	17	1827.66	11	1903.52	1	21769.90	17
4501	Max	-48	0.00	1	0.00	1	0.00	1	272931.00	17	260445.00	17	1827.66	11	1903.52	1	21769.90	17
4501	Max	1	0.00	1	0.00	1	0.00	1	272931.00	17	260445.00	17	1827.66	11	1903.52	1	21769.90	17
4501	Min.	-47	0.00	1	0.00	1	0.00	1	180375.00	1	182373.00	1	-33288.10	17	-1040.58	17	-1125.99	11
4501	Min.	-48	0.00	1	0.00	1	0.00	1	180375.00	1	182373.00	1	-33288.10	17	-1040.58	17	-1125.99	11
4501	Min.	1	0.00	1	0.00	1	0.00	1	180375.00	1	182373.00	1	-33288.10	17	-1040.58	17	-1125.99	11
4501	Max	-51	0.00	1	0.00	1	0.00	1	368128.00	17	329405.00	17	1817.60	7	1893.06	11	1370.08	1
4501	Max	-52	0.00	1	0.00	1	0.00	1	368128.00	17	329405.00	17	1817.60	7	1893.06	11	1370.08	1
4501	Max	1	0.00	1	0.00	1	0.00	1	368128.00	17	329405.00	17	1817.60	7	1893.06	11	1370.08	1
4501	Min.	-51	0.00	1	0.00	1	0.00	1	180280.00	11	182389.00	11	-5283.15	17	-15143.30	17	-1165.58	7
4501	Min.	-52	0.00	1	0.00	1	0.00	1	180280.00	11	182389.00	11	-5283.15	17	-15143.30	17	-1165.58	7
4501	Min.	1	0.00	1	0.00	1	0.00	1	180280.00	11	182389.00	11	-5283.15	17	-15143.30	17	-1165.58	7
4501	Max	-50	0.00	1	0.00	1	0.00	1	358484.00	17	321486.00	17	1837.22	5	1907.55	9	7472.01	17
4501	Max	-51	0.00	1	0.00	1	0.00	1	358484.00	17	321486.00	17	1837.22	5	1907.55	9	7472.01	17
4501	Max	1	0.00	1	0.00	1	0.00	1	358484.00	17	321486.00	17	1837.22	5	1907.55	9	7472.01	17
4501	Min.	-50	0.00	1	0.00	1	0.00	1	180320.00	9	182348.00	9	-15312.00	17	-13436.30	17	-1139.33	5
4501	Min.	-51	0.00	1	0.00	1	0.00	1	180320.00	9	182348.00	9	-15312.00	17	-13436.30	17	-1139.33	5
4501	Min.	1	0.00	1	0.00	1	0.00	1	180320.00	9	182348.00	9	-15312.00	17	-13436.30	17	-1139.33	5
4501	Max	-54	0.00	1	0.00	1	0.00	1	327867.00	17	305548.00	17	23821.00	17	1884.18	5	1365.52	9
4501	Max	-55	0.00	1	0.00	1	0.00	1	327867.00	17	305548.00	17	23821.00	17	1884.18	5	1365.52	9
4501	Max	1	0.00	1	0.00	1	0.00	1	327867.00	17	305548.00	17	23821.00	17	1884.18	5	1365.52	9
4501	Min.	-54	0.00	1	0.00	1	0.00	1	180321.00	5	182428.00	5	-1801.10	9	-10763.10	17	-18712.30	17
4501	Min.	-55	0.00	1	0.00	1	0.00	1	180321.00	5	182428.00	5	-1801.10	9	-10763.10	17	-18712.30	17
4501	Min.	1	0.00	1	0.00	1	0.00	1	180321.00	5	182428.00	5	-1801.10	9	-10763.10	17	-18712.30	17
4501	Max	-1	0.00	1	0.00	1	0.00	1	258900.00	17	259444.00	17	33285.10	17	1893.06	7	1370.16	11
4501	Max	-37	0.00	1	0.00	1	0.00	1	258900.00	17	259444.00	17	33285.10	17	1893.06	7	1370.16	11
4501	Max	1	0.00	1	0.00	1	0.00	1	258900.00	17	259444.00	17	33285.10	17	1893.06	7	1370.16	11
4501	Min.	-1	0.00	1	0.00	1	0.00	1	180280.00	7	182388.00	7	-1817.60	11	-1696.61	17	-23641.40	17
4501	Min.	-37	0.00	1	0.00	1	0.00	1	180280.00	7	182388.00	7	-1817.60	11	-1696.61	17	-23641.40	17
4501	Min.	1	0.00	1	0.00	1	0.00	1	180280.00	7	182388.00	7	-1817.60	11	-1696.61	17	-23641.40	17
4501	Max	267	0.00	1	0.00	1	0.00	1	396495.00	17	731371.00	17	503983.00	17	81349.10	17	2074.41	9
4501	Max	2	0.00	1	0.00	1	0.00	1	396495.00	17	731371.00	17	503983.00	17	81349.10	17	2074.41	9
4501	Max	-1	0.00	1	0.00	1	0.00	1	396495.00	17	731371.00	17	503983.00	17	81349.10	17	2074.41	9
4501	Max	-55	0.00	1	0.00	1	0.00	1	396495.00	17	731371.00	17	503983.00	17	81349.10	17	2074.41	9
4501	Min.	267	0.00	1	0.00	1	0.00	1	168685.00	5	102378.00	5	-29427.60	9	6964.34	5	-19537.80	17
4501	Min.	2	0.00	1	0.00	1	0.00	1	168685.00	5	102378.00	5	-29427.60	9	6964.34	5	-19537.80	17
4501	Min.	-1	0.00	1	0.00	1	0.00	1	168685.00	5	102378.00	5	-29427.60	9	6964.34	5	-19537.80	17
4501	Min.	-55	0.00	1	0.00	1	0.00	1	168685.00	5	102378.00	5	-29427.60	9	6964.34	5	-19537.80	17
4501	Max	253	0.00	1	0.00	1	0.00	1	197252.00	9	242576.00	11	28668.90	1	22438.60	11	2068.16	5
4501	Max	254	0.00	1	0.00	1	0.00	1	197252.00	9	242576.00	11	28668.90	1	22438.60	11	2068.16	5
4501	Max	-42	0.00	1	0.00	1	0.00	1	197252.00	9	242576.00	11	28668.90	1	22438.60	11	2068.16	5
4501	Max	-41	0.00	1	0.00	1	0.00	1	197252.00	9	242576.00	11	28668.90	1	22438.60	11	2068.16	5
4501	Min.	253	0.00	1	0.00	1	0.00	1	-12368.50	17	-1065150.00	17	-30180.00	7	-122156.00	17	-9782.00	17
4501	Min.	254	0.00	1	0.00	1	0.00	1	-12368.50	17	-1065150.00	17	-30180.00	7	-122156.00	17	-9782.00	17
4501	Min.	-42	0.00	1	0.00	1	0.00	1	-12368.50	17	-1065150.00	17	-30180.00	7	-122156.00	17	-9782.00	17
4501	Min.	-41	0.00	1	0.00	1	0.00	1	-12368.50	17	-1065150.00	17	-30180.00	7	-122156.00	17	-9782.00	17

4501	Max	-49	0.00	1	0.00	1	0.00	1	337915.00	17	306265.00	17	1801.10	5	1884.17	9	13798.40	17
4501	Max	-50	0.00	1	0.00	1	0.00	1	337915.00	17	306265.00	17	1801.10	5	1884.17	9	13798.40	17
4501	Max	1	0.00	1	0.00	1	0.00	1	337915.00	17	306265.00	17	1801.10	5	1884.17	9	13798.40	17
4501	Min.	-49	0.00	1	0.00	1	0.00	1	180321.00	9	182428.00	9	-23839.50	17	-10293.40	17	-1161.01	5
4501	Min.	-50	0.00	1	0.00	1	0.00	1	180321.00	9	182428.00	9	-23839.50	17	-10293.40	17	-1161.01	5
4501	Min.	1	0.00	1	0.00	1	0.00	1	180321.00	9	182428.00	9	-23839.50	17	-10293.40	17	-1161.01	5
4501	Max	-37	0.00	1	0.00	1	0.00	1	220845.00	17	233330.00	17	33288.30	17	3507.47	17	1330.51	11
4501	Max	-38	0.00	1	0.00	1	0.00	1	220845.00	17	233330.00	17	33288.30	17	3507.47	17	1330.51	11
4501	Max	1	0.00	1	0.00	1	0.00	1	220845.00	17	233330.00	17	33288.30	17	3507.47	17	1330.51	11
4501	Min.	-37	0.00	1	0.00	1	0.00	1	169915.00	18	178239.00	18	-1827.50	11	96.59	1	-22777.40	17
4501	Min.	-38	0.00	1	0.00	1	0.00	1	169915.00	18	178239.00	18	-1827.50	11	96.59	1	-22777.40	17
4501	Min.	1	0.00	1	0.00	1	0.00	1	169915.00	18	178239.00	18	-1827.50	11	96.59	1	-22777.40	17
4501	Max	-55	0.00	1	0.00	1	0.00	1	295773.00	17	284328.00	17	30023.40	17	1907.55	5	1343.85	9
4501	Max	-1	0.00	1	0.00	1	0.00	1	295773.00	17	284328.00	17	30023.40	17	1907.55	5	1343.85	9
4501	Max	1	0.00	1	0.00	1	0.00	1	295773.00	17	284328.00	17	30023.40	17	1907.55	5	1343.85	9
4501	Min.	-55	0.00	1	0.00	1	0.00	1	180321.00	5	182348.00	5	-1837.22	9	-6613.97	17	-22240.90	17
4501	Min.	-1	0.00	1	0.00	1	0.00	1	180321.00	5	182348.00	5	-1837.22	9	-6613.97	17	-22240.90	17
4501	Min.	1	0.00	1	0.00	1	0.00	1	180321.00	5	182348.00	5	-1837.22	9	-6613.97	17	-22240.90	17
4501	Max	-48	0.00	1	0.00	1	0.00	1	308435.00	17	285232.00	17	1658.68	11	1825.55	1	18725.40	17
4501	Max	-49	0.00	1	0.00	1	0.00	1	308435.00	17	285232.00	17	1658.68	11	1825.55	1	18725.40	17
4501	Max	1	0.00	1	0.00	1	0.00	1	308435.00	17	285232.00	17	1658.68	11	1825.55	1	18725.40	17
4501	Min.	-48	0.00	1	0.00	1	0.00	1	180965.00	9	182800.00	1	-30034.30	17	-6022.14	17	-1058.84	5
4501	Min.	-49	0.00	1	0.00	1	0.00	1	180965.00	9	182800.00	1	-30034.30	17	-6022.14	17	-1058.84	5
4501	Min.	1	0.00	1	0.00	1	0.00	1	180965.00	9	182800.00	1	-30034.30	17	-6022.14	17	-1058.84	5
4501	Max	260	0.00	1	0.00	1	0.00	1	325987.00	17	898502.00	17	26374.50	5	87832.40	17	25882.90	17
4501	Max	261	0.00	1	0.00	1	0.00	1	325987.00	17	898502.00	17	26374.50	5	87832.40	17	25882.90	17
4501	Max	-49	0.00	1	0.00	1	0.00	1	325987.00	17	898502.00	17	26374.50	5	87832.40	17	25882.90	17
4501	Max	-48	0.00	1	0.00	1	0.00	1	325987.00	17	898502.00	17	26374.50	5	87832.40	17	25882.90	17
4501	Min.	260	0.00	1	0.00	1	0.00	1	169359.00	1	108569.00	9	-449729.00	17	7801.92	1	-751.99	11
4501	Min.	261	0.00	1	0.00	1	0.00	1	169359.00	1	108569.00	9	-449729.00	17	7801.92	1	-751.99	11
4501	Min.	-49	0.00	1	0.00	1	0.00	1	169359.00	1	108569.00	9	-449729.00	17	7801.92	1	-751.99	11
4501	Min.	-48	0.00	1	0.00	1	0.00	1	169359.00	1	108569.00	9	-449729.00	17	7801.92	1	-751.99	11
4501	Max	250	0.00	1	0.00	1	0.00	1	197063.00	1	235670.00	9	440554.00	17	21621.00	1	2055.41	11
4501	Max	251	0.00	1	0.00	1	0.00	1	197063.00	1	235670.00	9	440554.00	17	21621.00	1	2055.41	11
4501	Max	-39	0.00	1	0.00	1	0.00	1	197063.00	1	235670.00	9	440554.00	17	21621.00	1	2055.41	11
4501	Max	-38	0.00	1	0.00	1	0.00	1	197063.00	1	235670.00	9	440554.00	17	21621.00	1	2055.41	11
4501	Min.	250	0.00	1	0.00	1	0.00	1	127128.00	18	-443484.00	17	-27904.90	5	-48503.30	17	-25184.80	17
4501	Min.	251	0.00	1	0.00	1	0.00	1	127128.00	18	-443484.00	17	-27904.90	5	-48503.30	17	-25184.80	17
4501	Min.	-39	0.00	1	0.00	1	0.00	1	127128.00	18	-443484.00	17	-27904.90	5	-48503.30	17	-25184.80	17
4501	Min.	-38	0.00	1	0.00	1	0.00	1	127128.00	18	-443484.00	17	-27904.90	5	-48503.30	17	-25184.80	17
4501	Max	249	0.00	1	0.00	1	0.00	1	239507.00	17	241237.00	1	513088.00	17	22406.40	1	2082.22	11
4501	Max	250	0.00	1	0.00	1	0.00	1	239507.00	17	241237.00	1	513088.00	17	22406.40	1	2082.22	11
4501	Max	-38	0.00	1	0.00	1	0.00	1	239507.00	17	241237.00	1	513088.00	17	22406.40	1	2082.22	11
4501	Max	-37	0.00	1	0.00	1	0.00	1	239507.00	17	241237.00	1	513088.00	17	22406.40	1	2082.22	11
4501	Min.	249	0.00	1	0.00	1	0.00	1	168667.00	7	-67534.00	17	-29093.50	11	-6300.86	17	-25799.00	17
4501	Min.	250	0.00	1	0.00	1	0.00	1	168667.00	7	-67534.00	17	-29093.50	11	-6300.86	17	-25799.00	17
4501	Min.	-38	0.00	1	0.00	1	0.00	1	168667.00	7	-67534.00	17	-29093.50	11	-6300.86	17	-25799.00	17
4501	Min.	-37	0.00	1	0.00	1	0.00	1	168667.00	7	-67534.00	17	-29093.50	11	-6300.86	17	-25799.00	17
4501	Max	-52	0.00	1	0.00	1	0.00	1	365906.00	17	329246.00	17	5260.78	17	1903.52	11	1330.58	1
4501	Max	-53	0.00	1	0.00	1	0.00	1	365906.00	17	329246.00	17	5260.78	17	1903.52	11	1330.58	1
4501	Max	1	0.00	1	0.00	1	0.00	1	365906.00	17	329246.00	17	5260.78	17	1903.52	11	1330.58	1
4501	Min.	-52	0.00	1	0.00	1	0.00	1	180374.00	11	182373.00	11	-1827.64	1	-15247.20	17	-6827.78	17
4501	Min.	-53	0.00	1	0.00	1	0.00	1	180374.00	11	182373.00	11	-1827.64	1	-15247.20	17	-6827.78	17
4501	Min.	1	0.00	1	0.00	1	0.00	1	180374.00	11	182373.00	11	-1827.64	1	-15247.20	17	-6827.78	17
4501	Max	-44	0.00	1	0.00	1	0.00	1	193467.00	5	191359.00	5	1800.90	9	13230.00	17	17704.90	17
4501	Max	-45	0.00	1	0.00	1	0.00	1	193467.00	5	191359.00	5	1800.90	9	13230.00	17	17704.90	17
4501	Max	1	0.00	1	0.00	1	0.00	1	193467.00	5	191359.00	5	1800.90	9	13230.00	17	17704.90	17
4501	Min.	-44	0.00	1	0.00	1	0.00	1	133291.00	18	148171.00	18	-23821.30	17	115.93	5	-1160.94	9
4501	Min.	-45	0.00	1	0.00	1	0.00	1	133291.00	18	148171.00	18	-23821.30	17	115.93	5	-1160.94	9
4501	Min.	1	0.00	1	0.00	1	0.00	1	133291.00	18	148171.00	18	-23821.30	17	115.93	5	-1160.94	9
4501	Max	-43	0.00	1	0.00	1	0.00	1	192823.00	5	190987.00	11	1659.07	1	16204.70	17	12394.00	17
4501	Max	-44	0.00	1	0.00	1	0.00	1	192823.00	5	190987.00	11	1659.07	1	16204.70	17	12394.00	17
4501	Max	1	0.00	1	0.00	1	0.00	1	192823.00	5	190987.00	11	1659.07	1	16204.70	17	12394.00	17
4501	Min.	-43	0.00	1	0.00	1	0.00	1	117181.00	18	137853.00	18	-15289.30	17	174.55	11	-1058.93	9
4501	Min.	-44	0.00	1	0.00	1	0.00	1	117181.00	18	137853.00	18	-15289.30	17	174.55	11	-1058.93	9
4501	Min.	1	0.00	1	0.00	1	0.00	1	117181.00	18	137853.00	18	-15289.30	17	174.55	11	-1058.93	9
4501	Max	259	0.00	1	0.00	1	0.00	1	243776.00	17	522550.00	17	27582.50	11	45629.90	17	26497.30	17
4501	Max	260	0.00	1	0.00	1	0.00	1	243776.00	17	522550.00	17	27582.50	11	45629.90	17	26497.30	17
4501	Max	-48	0.00	1	0.00	1	0.00	1	243776.00	17	522550.00	17	27582.50	11	45629.90	17	26497.30	17
4501	Max	-47	0.00	1	0.00	1	0.00	1	243776.00	17	522550.00	17	27582.50	11	45629.90	17	26497.30	17
4501	Min.	259	0.00	1	0.00	1	0.00	1	168667.00	1	103001.00	1	-522238.00	17	7016.46	1	-778.67	11
4501	Min.	260	0.00	1	0.00	1	0.00	1	168667.00	1	103001.00	1	-522238.00	17	7016.46	1	-778.67	11
4501	Min.	-48	0.00	1	0.00	1	0.00	1	168667.00	1	103001.00	1	-522238.00	17	7016.46	1	-778.67	11
4501	Min.	-47	0.00	1	0.00	1	0.00	1	168667.00	1	103001.00	1	-522238.00	17	7016.46	1	-778.67	11
4501	Max	-45	0.00	1	0.00	1	0.00	1	198002.00	17	209447.00	17	1837.55	9	9080.85	17	21233.30	17
4501	Max	-46	0.00	1	0.00	1	0.00	1	198002.00	17	209447.00	17	1837.55	9	9080.85	17	21233.30	17
4501	Max	1	0.00	1	0.00	1	0.00	1	198002.00	17	209447.00	17	1837.55	9	9080.85	17	21233.30	17
4501	Min.	-45	0.00	1	0.00	1	0.00	1	154687.00	18	162317.00	18	-30023.00	17	92.56	5	-1139.40	9
4501	Min.	-46	0.00	1	0.00	1	0.00	1	154687.00	18	162317.00	18	-30023.00	17	92.56	5	-1139.40	9
4501	Min.	1	0.00	1	0.00	1	0.00	1	154687.00	18	162317.00	18	-30023.00	17	92.56	5	-1139.40	9
4501	Max	262	0.00	1	0.00	1	0.00	1	458407.00	17	1422980.00	17	27907.10	5	148741.00	17	17461.30	17
4501	Max	263	0.00	1	0.00	1	0.00	1	458407.00	17	1422980.00	17	27907.10	5	148741.00	17	17461.30	17
4501	Max	-51	0.00	1	0.00	1	0.00	1	458407.00	17	1422980.00	17	27907.10	5	148741.00	17	17461.30	17
4501	Max	-50	0.00	1	0.00	1	0.00	1	458407.00	17	1422980.00	17	27907.10	5	148741.00	17	17461.30	17
4501	Min.	262	0.00	1	0.00	1	0.00	1	168684.00	9	102379.00	9	-185330.00	17	6964.34	9	-770.92	5
4501	Min.	263	0.00	1	0.00	1	0.00	1	168684.00	9	102379.00	9	-185330.00	17	6964.34	9	-770.92	5
4501	Min.	-51	0.00	1	0.00	1	0.00	1	168684.00	9	102379.00	9	-185330.00	17	6964.34	9	-770.92	5
4501	Min.	-50	0.00	1	0.00	1	0.00	1	168684.00	9	102379.00	9	-185330.00	17	6964.34	9	-770.92	5
4501	Max	261	0.00	1	0.00	1	0.00	1	399944.00	17	1208760.00	17	28586.50	5	123362.00	17	22771.30	17
4501	Max	262	0.00	1	0.00	1	0.00	1	399944.00	17	1208760.00	17	28586.50	5	123362.00	17	22771.30	17
4501	Max	-50	0.00	1	0.00	1	0.00	1	399944.00	17	1208760.00	17	28586.50	5	123362.00	17	22771.30	17
4501	Max	-49	0.00	1	0.00	1	0.00	1	399944.00	17	1208760.00	17	28586.50	5	123362.00	17	22771.30	17
4501	Min.	261	0.00	1	0.00	1	0.00	1	169619.00	9	102044.00	9	-333611.00	17	7043.05	9	-637.79	5
4501	Min.	262	0.00	1	0.00	1	0.00	1	169619.00	9	102044.00	9	-333611.00	17	7043.05	9	-637.79	5
4501	Min.	-50	0.00	1	0.00	1	0.00	1	169619.00	9	102044.00	9	-333611.00	17	7043.05	9	-637.79	5
4501	Min.	-49	0.00	1	0.00	1	0.00	1	169619.00	9	102044.00	9	-333611.00	17	7043.05	9	-637.79	5
4501	Max	266	0.00	1	0.00	1	0.00	1	455901.00	17	1076120.00	17	423225.00	17	118217.00	17	1941.42	9
4501	Max	267	0.00	1	0.00	1	0.00	1	455901.00	17	1076120.00	17	423225.00	17	118217.00	17	1941.42	9
4501	Max	-55	0.00	1	0.00	1	0.00	1	455901.00	17	1076120.00	17	423225.00	17	118217.00	17	1941.42	9
4501	Max	-54	0.00	1	0.00	1	0.00	1	455901.00	17	1076120.00	17	423225.00	17	118217.00	17	1941.42	9
4501	Min.	266	0.00	1	0.00	1	0.00	1	169618.00	5	102045.00	5	-30107.10	9	7043.04	5	-13276.90	17
4501	Min.	267	0.00	1	0.00	1	0.00	1	169618.00	5	102045.00	5	-30107.10	9	7043.04	5	-13276.90	17
4501	Min.	-55	0.00	1	0.00	1	0.00	1	169618.00	5	102045.00	5	-30107.10	9	7043.04	5	-13276.90	17
4501	Min.	-54	0.00	1	0.00	1	0.00	1	169618.00	5	102045.00	5	-30107.10	9	7043.04	5	-13276.90	17
4501	Max	265	0.00	1	0.00	1	0.00	1	494334.00	17	1337810.00	17	300625.00	17	145438.00	17	2055.56	1

4501	Max	266	0.00	1	0.00	1	0.00	1	494334.00	17	1337810.00	17	300625.00	17	145438.00	17	2055.56	1
4501	Max	-54	0.00	1	0.00	1	0.00	1	494334.00	17	1337810.00	17	300625.00	17	145438.00	17	2055.56	1
4501	Max	-53	0.00	1	0.00	1	0.00	1	494334.00	17	1337810.00	17	300625.00	17	145438.00	17	2055.56	1
4501	Min.	265	0.00	1	0.00	1	0.00	1	169359.00	11	108569.00	5	-27895.40	9	7801.91	11	-5680.26	17
4501	Min.	266	0.00	1	0.00	1	0.00	1	169359.00	11	108569.00	5	-27895.40	9	7801.91	11	-5680.26	17
4501	Min.	-54	0.00	1	0.00	1	0.00	1	169359.00	11	108569.00	5	-27895.40	9	7801.91	11	-5680.26	17
4501	Min.	-53	0.00	1	0.00	1	0.00	1	169359.00	11	108569.00	5	-27895.40	9	7801.91	11	-5680.26	17
4501	Max	264	0.00	1	0.00	1	0.00	1	508027.00	17	1490820.00	17	148109.00	17	160347.00	17	2503.16	17
4501	Max	265	0.00	1	0.00	1	0.00	1	508027.00	17	1490820.00	17	148109.00	17	160347.00	17	2503.16	17
4501	Max	-53	0.00	1	0.00	1	0.00	1	508027.00	17	1490820.00	17	148109.00	17	160347.00	17	2503.16	17
4501	Max	-52	0.00	1	0.00	1	0.00	1	508027.00	17	1490820.00	17	148109.00	17	160347.00	17	2503.16	17
4501	Min.	264	0.00	1	0.00	1	0.00	1	168666.00	11	103002.00	11	-29103.10	1	7016.47	11	-778.76	7
4501	Min.	265	0.00	1	0.00	1	0.00	1	168666.00	11	103002.00	11	-29103.10	1	7016.47	11	-778.76	7
4501	Min.	-53	0.00	1	0.00	1	0.00	1	168666.00	11	103002.00	11	-29103.10	1	7016.47	11	-778.76	7
4501	Min.	-52	0.00	1	0.00	1	0.00	1	168666.00	11	103002.00	11	-29103.10	1	7016.47	11	-778.76	7
4501	Max	263	0.00	1	0.00	1	0.00	1	495652.00	17	1520160.00	17	28668.90	7	161485.00	17	10480.40	17
4501	Max	264	0.00	1	0.00	1	0.00	1	495652.00	17	1520160.00	17	28668.90	7	161485.00	17	10480.40	17
4501	Max	-52	0.00	1	0.00	1	0.00	1	495652.00	17	1520160.00	17	28668.90	7	161485.00	17	10480.40	17
4501	Max	-51	0.00	1	0.00	1	0.00	1	495652.00	17	1520160.00	17	28668.90	7	161485.00	17	10480.40	17
4501	Min.	263	0.00	1	0.00	1	0.00	1	169172.00	9	101661.00	11	-30180.00	1	6984.25	11	-764.48	5
4501	Min.	264	0.00	1	0.00	1	0.00	1	169172.00	9	101661.00	11	-30180.00	1	6984.25	11	-764.48	5
4501	Min.	-52	0.00	1	0.00	1	0.00	1	169172.00	9	101661.00	11	-30180.00	1	6984.25	11	-764.48	5
4501	Min.	-51	0.00	1	0.00	1	0.00	1	169172.00	9	101661.00	11	-30180.00	1	6984.25	11	-764.48	5
4501	Max	-39	0.00	1	0.00	1	0.00	1	193466.00	9	191360.00	9	23839.70	17	12760.20	17	1365.45	5
4501	Max	-40	0.00	1	0.00	1	0.00	1	193466.00	9	191360.00	9	23839.70	17	12760.20	17	1365.45	5
4501	Max	1	0.00	1	0.00	1	0.00	1	193466.00	9	191360.00	9	23839.70	17	12760.20	17	1365.45	5
4501	Min.	-39	0.00	1	0.00	1	0.00	1	126593.00	18	147693.00	18	-1800.91	5	115.92	9	-14806.00	17
4501	Min.	-40	0.00	1	0.00	1	0.00	1	126593.00	18	147693.00	18	-1800.91	5	115.92	9	-14806.00	17
4501	Min.	1	0.00	1	0.00	1	0.00	1	126593.00	18	147693.00	18	-1800.91	5	115.92	9	-14806.00	17
4501	Max	-38	0.00	1	0.00	1	0.00	1	192823.00	9	208544.00	17	30033.80	17	8489.03	17	1263.48	5
4501	Max	-39	0.00	1	0.00	1	0.00	1	192823.00	9	208544.00	17	30033.80	17	8489.03	17	1263.48	5
4501	Max	1	0.00	1	0.00	1	0.00	1	192823.00	9	208544.00	17	30033.80	17	8489.03	17	1263.48	5
4501	Min.	-38	0.00	1	0.00	1	0.00	1	146246.00	18	161715.00	18	-1659.05	11	174.56	1	-19732.80	17
4501	Min.	-39	0.00	1	0.00	1	0.00	1	146246.00	18	161715.00	18	-1659.05	11	174.56	1	-19732.80	17
4501	Min.	1	0.00	1	0.00	1	0.00	1	146246.00	18	161715.00	18	-1659.05	11	174.56	1	-19732.80	17
4501	Max	252	0.00	1	0.00	1	0.00	1	197738.00	9	241860.00	9	176155.00	17	22458.60	9	2074.29	5
4501	Max	253	0.00	1	0.00	1	0.00	1	197738.00	9	241860.00	9	176155.00	17	22458.60	9	2074.29	5
4501	Max	-41	0.00	1	0.00	1	0.00	1	197738.00	9	241860.00	9	176155.00	17	22458.60	9	2074.29	5
4501	Max	-40	0.00	1	0.00	1	0.00	1	197738.00	9	241860.00	9	176155.00	17	22458.60	9	2074.29	5
4501	Min.	252	0.00	1	0.00	1	0.00	1	24873.50	17	-967957.00	17	-29437.30	5	-109412.00	17	-16763.20	17
4501	Min.	253	0.00	1	0.00	1	0.00	1	24873.50	17	-967957.00	17	-29437.30	5	-109412.00	17	-16763.20	17
4501	Min.	-41	0.00	1	0.00	1	0.00	1	24873.50	17	-967957.00	17	-29437.30	5	-109412.00	17	-16763.20	17
4501	Min.	-40	0.00	1	0.00	1	0.00	1	24873.50	17	-967957.00	17	-29437.30	5	-109412.00	17	-16763.20	17
4501	Max	258	0.00	1	0.00	1	0.00	1	197251.00	5	242577.00	7	28659.20	11	22438.60	7	24551.40	17
4501	Max	259	0.00	1	0.00	1	0.00	1	197251.00	5	242577.00	7	28659.20	11	22438.60	7	24551.40	17
4501	Max	-47	0.00	1	0.00	1	0.00	1	197251.00	5	242577.00	7	28659.20	11	22438.60	7	24551.40	17
4501	Max	-46	0.00	1	0.00	1	0.00	1	197251.00	5	242577.00	7	28659.20	11	22438.60	7	24551.40	17
4501	Min.	258	0.00	1	0.00	1	0.00	1	129832.00	18	99495.00	18	-544103.00	17	885.92	17	-764.54	9
4501	Min.	259	0.00	1	0.00	1	0.00	1	129832.00	18	99495.00	18	-544103.00	17	885.92	17	-764.54	9
4501	Min.	-47	0.00	1	0.00	1	0.00	1	129832.00	18	99495.00	18	-544103.00	17	885.92	17	-764.54	9
4501	Min.	-46	0.00	1	0.00	1	0.00	1	129832.00	18	99495.00	18	-544103.00	17	885.92	17	-764.54	9
4501	Max	257	0.00	1	0.00	1	0.00	1	197739.00	5	241859.00	5	27916.70	9	22458.60	5	20236.10	17
4501	Max	258	0.00	1	0.00	1	0.00	1	197739.00	5	241859.00	5	27916.70	9	22458.60	5	20236.10	17
4501	Max	-46	0.00	1	0.00	1	0.00	1	197739.00	5	241859.00	5	27916.70	9	22458.60	5	20236.10	17
4501	Max	-45	0.00	1	0.00	1	0.00	1	197739.00	5	241859.00	5	27916.70	9	22458.60	5	20236.10	17
4501	Min.	257	0.00	1	0.00	1	0.00	1	80125.40	18	-276356.00	17	-513132.00	17	-42020.00	17	-770.83	9
4501	Min.	258	0.00	1	0.00	1	0.00	1	80125.40	18	-276356.00	17	-513132.00	17	-42020.00	17	-770.83	9
4501	Min.	-46	0.00	1	0.00	1	0.00	1	80125.40	18	-276356.00	17	-513132.00	17	-42020.00	17	-770.83	9
4501	Min.	-45	0.00	1	0.00	1	0.00	1	80125.40	18	-276356.00	17	-513132.00	17	-42020.00	17	-770.83	9
4501	Max	2	0.00	1	0.00	1	0.00	1	321933.00	17	337281.00	17	534928.00	17	38443.20	17	2068.02	9
4501	Max	249	0.00	1	0.00	1	0.00	1	321933.00	17	337281.00	17	534928.00	17	38443.20	17	2068.02	9
4501	Max	-37	0.00	1	0.00	1	0.00	1	321933.00	17	337281.00	17	534928.00	17	38443.20	17	2068.02	9
4501	Max	-1	0.00	1	0.00	1	0.00	1	321933.00	17	337281.00	17	534928.00	17	38443.20	17	2068.02	9
4501	Min.	2	0.00	1	0.00	1	0.00	1	169172.00	5	101662.00	7	-30189.60	11	6984.25	7	-23853.20	17
4501	Min.	249	0.00	1	0.00	1	0.00	1	169172.00	5	101662.00	7	-30189.60	11	6984.25	7	-23853.20	17
4501	Min.	-37	0.00	1	0.00	1	0.00	1	169172.00	5	101662.00	7	-30189.60	11	6984.25	7	-23853.20	17
4501	Min.	-1	0.00	1	0.00	1	0.00	1	169172.00	5	101662.00	7	-30189.60	11	6984.25	7	-23853.20	17
4501	Max	-42	0.00	1	0.00	1	0.00	1	193413.00	11	191414.00	11	1827.53	1	17714.10	17	5820.46	17
4501	Max	-43	0.00	1	0.00	1	0.00	1	193413.00	11	191414.00	11	1827.53	1	17714.10	17	5820.46	17
4501	Max	1	0.00	1	0.00	1	0.00	1	193413.00	11	191414.00	11	1827.53	1	17714.10	17	5820.46	17
4501	Min.	-42	0.00	1	0.00	1	0.00	1	107932.00	18	132372.00	18	-5260.94	17	96.59	11	-1125.92	1
4501	Min.	-43	0.00	1	0.00	1	0.00	1	107932.00	18	132372.00	18	-5260.94	17	96.59	11	-1125.92	1
4501	Min.	1	0.00	1	0.00	1	0.00	1	107932.00	18	132372.00	18	-5260.94	17	96.59	11	-1125.92	1
4501	Max	-41	0.00	1	0.00	1	0.00	1	193507.00	11	191399.00	11	5283.48	17	17610.20	17	1370.08	7
4501	Max	-42	0.00	1	0.00	1	0.00	1	193507.00	11	191399.00	11	5283.48	17	17610.20	17	1370.08	7
4501	Max	1	0.00	1	0.00	1	0.00	1	193507.00	11	191399.00	11	5283.48	17	17610.20	17	1370.08	7
4501	Min.	-41	0.00	1	0.00	1	0.00	1	106450.00	18	132266.00	18	-1817.36	7	107.05	11	-1371.76	17
4501	Min.	-42	0.00	1	0.00	1	0.00	1	106450.00	18	132266.00	18	-1817.36	7	107.05	11	-1371.76	17
4501	Min.	1	0.00	1	0.00	1	0.00	1	106450.00	18	132266.00	18	-1817.36	7	107.05	11	-1371.76	17
4501	Max	-40	0.00	1	0.00	1	0.00	1	193467.00	9	191440.00	9	15311.50	17	15903.20	17	1343.93	5
4501	Max	-41	0.00	1	0.00	1	0.00	1	193467.00	9	191440.00	9	15311.50	17	15903.20	17	1343.93	5
4501	Max	1	0.00	1	0.00	1	0.00	1	193467.00	9	191440.00	9	15311.50	17	15903.20	17	1343.93	5
4501	Min.	-40	0.00	1	0.00	1	0.00	1	112880.00	18	137545.00	18	-1837.56	5	92.56	9	-8479.39	17
4501	Min.	-41	0.00	1	0.00	1	0.00	1	112880.00	18	137545.00	18	-1837.56	5	92.56	9	-8479.39	17
4501	Min.	1	0.00	1	0.00	1	0.00	1	112880.00	18	137545.00	18	-1837.56	5	92.56	9	-8479.39	17
4501	Max	256	0.00	1	0.00	1	0.00	1	196804.00	5	242195.00	5	28576.90	9	22379.80	5	13975.20	17
4501	Max	257	0.00	1	0.00	1	0.00	1	196804.00	5	242195.00	5	28576.90	9	22379.80	5	13975.20	17
4501	Max	-45	0.00	1	0.00	1	0.00	1	196804.00	5	242195.00	5	28576.90	9	22379.80	5	13975.20	17
4501	Max	-44	0.00	1	0.00	1	0.00	1	196804.00	5	242195.00	5	28576.90	9	22379.80	5	13975.20	17
4501	Min.	256	0.00	1	0.00	1	0.00	1	27380.50	17	-621104.00	17	-432400.00	17	-78887.60	17	-637.93	9
4501	Min.	257	0.00	1	0.00	1	0.00	1	27380.50	17	-621104.00	17	-432400.00	17	-78887.60	17	-637.93	9
4501	Min.	-45	0.00	1	0.00	1	0.00	1	27380.50	17	-621104.00	17	-432400.00	17	-78887.60	17	-637.93	9
4501	Min.	-44	0.00	1	0.00	1	0.00	1	27380.50	17	-621104.00	17	-432400.00	17	-78887.60	17	-637.93	9
4501	Max	255	0.00	1	0.00	1	0.00	1	197064.00	11	235669.00	5	26384.50	9	21621.00	11	6378.62	17
4501	Max	256	0.00	1	0.00	1	0.00	1	197064.00	11	235669.00	5	26384.50	9	21621.00	11	6378.62	17
4501	Max	-44	0.00	1	0.00	1	0.00	1	197064.00	11	235669.00	5	26384.50	9	21621.00	11	6378.62	17
4501	Max	-43	0.00	1	0.00	1	0.00	1	197064.00	11	235669.00	5	26384.50	9	21621.00	11	6378.62	17
4501	Min.	255	0.00	1	0.00	1	0.00	1	-11050.60	17	-882799.00	17	-309775.00	17	-106108.00	17	-751.94	1
4501	Min.	256	0.00	1	0.00	1	0.00	1	-11050.60	17	-882799.00	17	-309775.00	17	-106108.00	17	-751.94	1
4501	Min.	-44	0.00	1	0.00	1	0.00	1	-11050.60	17	-882799.00	17	-309775.00	17	-106108.00	17	-751.94	1
4501	Min.	-43	0.00	1	0.00	1	0.00	1	-11050.60	17	-882799.00	17	-309775.00	17	-106108.00	17	-751.94	1
4501	Max	254	0.00	1	0.00	1	0.00	1	197756.00	11	241238.00	11	27573.10	1	22406.40	11	2082.08	7
4501	Max	255	0.00	1	0.00	1	0.00	1	197756.00	11	241238.00	11	27573.10	1	22406.40	11	2082.08	7
4501	Max	-43	0.00	1	0.00	1	0.00	1	197756.00	11	241238.00	11	27573.10	1	22406.40	11	2082.08	7
4501	Max	-42	0.00	1	0.00	1	0.00	1	197756.00	11	241238.00	11	27573.10	1	22406.40	11	2082.08	7

4501	Min.	254	0.00	1	0.00	1	0.00	1	-24746.30	17	-1035800.00	17	-157283.00	17	-121018.00	17	-1805.12	17
4501	Min.	255	0.00	1	0.00	1	0.00	1	-24746.30	17	-1035800.00	17	-157283.00	17	-121018.00	17	-1805.12	17
4501	Min.	-43	0.00	1	0.00	1	0.00	1	-24746.30	17	-1035800.00	17	-157283.00	17	-121018.00	17	-1805.12	17
4501	Min.	-42	0.00	1	0.00	1	0.00	1	-24746.30	17	-1035800.00	17	-157283.00	17	-121018.00	17	-1805.12	17
4501	Max	-53	0.00	1	0.00	1	0.00	1	352033.00	17	321025.00	17	15289.80	17	1825.55	11	1263.41	9
4501	Max	-54	0.00	1	0.00	1	0.00	1	352033.00	17	321025.00	17	15289.80	17	1825.55	11	1263.41	9
4501	Max	1	0.00	1	0.00	1	0.00	1	352033.00	17	321025.00	17	15289.80	17	1825.55	11	1263.41	9
4501	Min.	-53	0.00	1	0.00	1	0.00	1	180964.00	5	182800.00	11	-1658.63	1	-13737.90	17	-13401.60	17
4501	Min.	-54	0.00	1	0.00	1	0.00	1	180964.00	5	182800.00	11	-1658.63	1	-13737.90	17	-13401.60	17
4501	Min.	1	0.00	1	0.00	1	0.00	1	180964.00	5	182800.00	11	-1658.63	1	-13737.90	17	-13401.60	17
4501	Max	-46	0.00	1	0.00	1	0.00	1	234875.00	17	234331.00	17	1817.35	11	4163.51	17	22634.10	17
4501	Max	-47	0.00	1	0.00	1	0.00	1	234875.00	17	234331.00	17	1817.35	11	4163.51	17	22634.10	17
4501	Max	1	0.00	1	0.00	1	0.00	1	234875.00	17	234331.00	17	1817.35	11	4163.51	17	22634.10	17
4501	Min.	-46	0.00	1	0.00	1	0.00	1	179269.00	18	178906.00	18	-33285.40	17	107.06	7	-1165.50	11
4501	Min.	-47	0.00	1	0.00	1	0.00	1	179269.00	18	178906.00	18	-33285.40	17	107.06	7	-1165.50	11
4501	Min.	1	0.00	1	0.00	1	0.00	1	179269.00	18	178906.00	18	-33285.40	17	107.06	7	-1165.50	11

Criteri di progetto utilizzati

Sezioni generiche

Generali	
Stampe	
Tipo di relazione	Estesa

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
-$\tau c0$ <daN/cmq>	6.70
-$\tau c1$ <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
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	x
-Relativa ai pilastri	
-Relativa solo al controllo sulle tensioni	
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	No
Verifiche a flessione/pressoflessione retta	Si
-Considera My	Si
-Considera Mz	No
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	Si
-Ricerca della sicurezza con sforzo normale costante	
-Ricerca della sicurezza con eccentricità costante	x
Controllo rapporto X/D	Si
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

Aste in acciaio

Generali	
Verifica aste in acciaio	
Numero punti di verifica	10.00
Numero CC da considerare di tipo I	99.00
Stati limite D.M. 08	
Verifiche con EC3	No
Coeff. amplificativo sollecitazioni per effetti del secondo ordine	1.00
Stampe	
Verifiche da riportare in relazione	Tutte

Specifici	**1**
Materiali	
CNR 10011	
Tipo di acciaio	FE360
D.M. 08	
Tipo di acciaio per profilati a sezione aperta	S235
	UNI EN
	10025-2
Tipo di acciaio per profilati a sezione cava	S235H
	UNI EN

	10210-1
EC3	
Tipo di acciaio	S235
-Fy <daN/cmq>	2350.00
-Fu <daN/cmq>	3600.00
γ M0	1.00
γ M1	1.00
γ M2	1.25
γ Rd	1.30
γ Ov	1.25
-Considera come elemento esistente (S.L. D.M. 08/EC3)	No
-Livello di conoscenza	LC1
-Fattore di confidenza	1.35
Verifiche di resistenza	
Rapporto fra area effettiva e area nominale	1.00
Rapporto fra area netta e area nominale	1.00
Coeff. di forma intorno all'asse Y	1.00
Coeff. di forma intorno all'asse Z	1.00
Verifica le bielle solo con sollecitazioni di trazione moltiplicate per	Si
Valutare la τ per torsione nei punti di spigolo (CNR 10011)	No
-Pari a	
Stati limite D.M. 08/EC3	
-Fai sempre verifiche in campo elastico	No
-Effettua le verifiche della gerarchia delle resistenze per strutture intelaiate	Si
-Usa classe 1 in pressoflessione deviata se non presente in archivio	No
Stati limite D.M. 08	
-Usa prescrizioni EC3 quando più dettagliate	Si
-Considera prescrizioni relative ai ponti	No
Verifiche di deformabilità	
Max valore del rapporto tra la luce e la freccia (totale)	250.00
Max valore del rapporto tra la luce e la freccia (solo accidentali)	300.00
Max valore del rapporto tra altezza e spostamento orizz. (aste)	300.00
Max valore del rapporto tra altezza e spostamento orizz. (membrature)	500.00
Considerare anche spostamento relativo nodi per calcolo freccia	No
Considerare solo la verifica di deformabilità delle membrature	Si
Trascura deformazione dovuta al sisma (T.A.)	No
Verifiche di stabilità asta	
Riduzione lunghezza libera d'inflessione	
-Distanza fra i nodi dell'asta	x
-Distanza ridotta delle zone rigide moltiplicate per il valore	
Tipo di accoppiamento aste composte	
-Separate	
-Calastrellate	
-Imbottite	
-Automatico	x
Calcolo momento medio usando valori assoluti	Si
Interasse calastrelli o imbottiture	
-Distanza pari a <m>	
-Interasse da normativa moltiplicato per il valore	0.80
-Aste rigidamente collegate	
Curva di stabilità (D.M. 08/EC3)	Automatica
Aste laminate	Si
Sigma max amm. senza verifiche di stabilità (CNR 10011) <%>	2.00
Verifiche di stabilità globale in dir. Y locale	Si
-Coeff. β intorno all'asse Y	1.00
Verifiche di stabilità globale in dir. Z locale	Si
-Coeff. β intorno all'asse Z	1.00
Verifiche di stabilità flesso - torsionale	Si
-Coeff. per calcolo interasse ritegni torsionali	1.00
Aste inflesse (D.M. 08/EC3)	
-Coeff. Ψ per calcolo momento critico	
-Valuta in base ai momenti dell'asta	x
-Utilizza valore imposto	
-Fattore correttivo di distribuzione K_c	0.94
-Snellezza di riferimento $\lambda_{LT,0}$	0.40
-Coeff. β	0.75
Aste pressoinflesse (D.M. 08/EC3)	
-Considera come molto deformabile a torsione	No
-Fattore correttivo di distribuzione α_{mY}/C_{mY}	0.95
-Fattore correttivo di distribuzione α_{mZ}/C_{mZ}	0.95
-Fattore correttivo di distribuzione α_{mLT}/C_{mLT}	0.95
Eseguire anche le verifiche al punto 7.3.2 (CNR 10011)	Si
Carichi sull'estradosso (CNR 10011)	Si
Verifiche di stabilità all'imbozzamento (CNR 10011)	

-Numero irrigidimenti orizzontali anima	0.00
-Interasse irrigidimenti verticali anima	
-Numero di suddivisioni	
-Distanza non inferiore a <cm>	
-Pari alla lunghezza dell'asta	x
-Modalità di calcolo σ cr,id	
-Normativa	
-Massonet	x
-Ballio	
Verifiche di stabilità membratura	
Massimo numero aste costituenti unica membratura	1.00
Sforzo normale di verifica	
-Massimo valore fra tutte le aste	x
-Media aritmetica dei valori di tutte le aste	
-Media pesata di tutte le aste	
Contributo eventuali sforzi di trazione	No
Verifica nei piani principali	Si
Incremento snellezza	Si
Verifiche di stabilità globale in dir. Y locale	Si
-Coeff. β calcolato in funzione dello sforzo normale	
-Coeff. β	1.00
Verifiche di stabilità globale in dir. Z locale	Si
-Coeff. β calcolato in funzione dello sforzo normale	
-Coeff. β	1.00

Verifiche aste in acciaio

Simbologia

Sez. = Numero della sezione
Cod. = Codice
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

D	<cm>	= Distanza
Area	<cmq>	= Area
Anet	<cmq>	= Area netta per compressione
Aeff	<cmq>	= Area effettiva per trazione
Jy	<cm4>	= Momento d'inerzia rispetto all'asse Y
Jz	<cm4>	= Momento d'inerzia rispetto all'asse Z
Iy	<cm>	= Raggio giratorio d'inerzia rispetto all'asse Y
Iz	<cm>	= Raggio giratorio d'inerzia rispetto all'asse Z
Wymin	<cmc>	= Modulo di resistenza minimo rispetto all'asse Y
Wzmin	<cmc>	= Modulo di resistenza minimo rispetto all'asse Z
Wy,plas	<cmc>	= Modulo di resistenza plastico intorno all'asse Y
Wz,plas	<cmc>	= Modulo di resistenza plastico intorno all'asse Z
Atag,y	<cmq>	= Area resistente a taglio in dir. Y
Atag,z	<cmq>	= Area resistente a taglio in dir. Z
Jω	<cm6>	= Costante di ingobbamento
CC		= Numero della combinazione delle condizioni di carico elementari
N,Ed	<daN>	= Forza assiale di calcolo
M,Ed	<daNm>	= Momento flettente di calcolo
Nc,Rd	<daN>	= Resistenza a compressione
My,c,Rd	<daNm>	= Resistenza di calcolo a flessione intorno all'asse Y
L	<cm>	= Lunghezza dell'asta
λ		= Snellezza per inflessione
Ncr	<daN>	= Sforzo normale critico euleriano
λ*		= Snellezza adimensionale
Curva		= Curva di instabilità adottata
Φ		= Coefficiente Φ
χ,min		= Coefficiente χ di riduzione per instabilità
Xl	<m>	= Coordinata progressiva (dal nodo iniziale dell'asta) in cui viene effettuato il progetto/verifica
N	<daN>	= Sforzo normale
T	<daN>	= Taglio agente
M	<daNm>	= Momento agente

Mx <daNm> = Momento torcente intorno all'asse X
M,c,Rd <daNm> = Resistenza di calcolo a flessione
MN,c,Rd <daNm> = Resistenza di calcolo a pressoflessione
V,Ed <daN> = Forza di taglio di calcolo
Vc,Rd,Red <daN> = Resistenza a taglio ridotta

Caratteristiche profilati utilizzati

Sez.	Cod.	Tipo	D <cm>	Area <cmq>	Anet <cmq>	Aeff <cmq>	Jy <cm4>	Jz <cm4>	Iy <cm>	Iz <cm>	Wymin <cmc>	Wzmin <cmc>
1	s_01_01	Cir.c	--	6816.46	6816.46	6816.46	132632000.00	132632000.00	139.49	139.49	663159.00	663159.00
2	s_01_02	Cir.c	--	7182.80	7182.80	7182.80	139551000.00	139551000.00	139.39	139.39	697753.00	697753.00
3	s_01_03	Cir.c	--	4828.46	4828.46	4828.46	94713900.00	94713900.00	140.06	140.06	473569.00	473569.00
4	s_02_01	Cir.c	--	4557.20	4557.20	4557.20	89491500.00	89491500.00	140.13	140.13	447457.00	447457.00
5	s_02_02	Cir.c	--	4384.44	4384.44	4384.44	86159000.00	86159000.00	140.18	140.18	430795.00	430795.00
6	s_02_03	Cir.c	--	4199.19	4199.19	4199.19	82580500.00	82580500.00	140.24	140.24	412903.00	412903.00
7	s_02_04	Cir.c	--	3989.06	3989.06	3989.06	78515000.00	78515000.00	140.29	140.29	392575.00	392575.00
8	s_02_05	Cir.c	--	3766.39	3766.39	3766.39	74199000.00	74199000.00	140.36	140.36	370995.00	370995.00
9	s_02_06	Cir.c	--	3580.67	3580.67	3580.67	70593200.00	70593200.00	140.41	140.41	352966.00	352966.00
10	s_02_07	Cir.c	--	3456.77	3456.77	3456.77	68184500.00	68184500.00	140.44	140.44	340923.00	340923.00
11	s_03_01	Cir.c	--	3513.42	3513.42	3513.42	69075400.00	69075400.00	140.22	140.22	345896.00	345896.00
12	s_03_02	Cir.c	--	3231.32	3231.32	3231.32	63215100.00	63215100.00	139.87	139.87	317504.00	317504.00
13	s_03_03	Cir.c	--	3136.93	3136.93	3136.93	61080300.00	61080300.00	139.54	139.54	307554.00	307554.00
14	s_03_04	Cir.c	--	3065.97	3065.97	3065.97	59351000.00	59351000.00	139.13	139.13	299752.00	299752.00
15	s_03_05	Cir.c	--	3081.11	3081.11	3081.11	59275000.00	59275000.00	138.70	138.70	300279.00	300279.00
16	s_03_07	Cir.c	--	2783.60	2783.60	2783.60	53014600.00	53014600.00	138.00	138.00	270069.00	270069.00
17	s_03_08	Cir.c	--	2677.81	2677.81	2677.81	50707400.00	50707400.00	137.61	137.61	259108.00	259108.00
18	s_03_09	Cir.c	--	2611.62	2611.62	2611.62	49263600.00	49263600.00	137.34	137.34	252246.00	252246.00
19	s_04_01	Cir.c	--	2525.72	2525.72	2525.72	47168400.00	47168400.00	136.66	136.66	242761.00	242761.00
20	s_04_02	Cir.c	--	2460.74	2460.74	2460.74	45348400.00	45348400.00	135.75	135.75	234966.00	234966.00
21	s_04_03	Cir.c	--	2347.50	2347.50	2347.50	42650400.00	42650400.00	134.79	134.79	222601.00	222601.00
22	s_04_04	Cir.c	--	2259.28	2259.28	2259.28	40459700.00	40459700.00	133.82	133.82	212722.00	212722.00
23	s_04_05	Cir.c	--	2185.00	2185.00	2185.00	38603900.00	38603900.00	132.92	132.92	204361.00	204361.00
24	s_04_06	Cir.c	--	2075.38	2075.38	2075.38	36138600.00	36138600.00	131.96	131.96	192739.00	192739.00
25	s_04_07	Cir.c	--	2025.07	2025.07	2025.07	34741100.00	34741100.00	130.98	130.98	186680.00	186680.00
26	s_04_08	Cir.c	--	1920.91	1920.91	1920.91	32577900.00	32577900.00	130.23	130.23	176097.00	176097.00
27	s_04_09	Cir.c	--	1841.73	1841.73	1841.73	30906900.00	30906900.00	129.54	129.54	167972.00	167972.00
28	s_04_10	Cir.c	--	1831.68	1831.68	1831.68	30403600.00	30403600.00	128.84	128.84	166140.00	166140.00
29	s_05_01	Cir.c	--	1748.77	1748.77	1748.77	28560900.00	28560900.00	127.80	127.80	157360.00	157360.00
30	s_05_02	Cir.c	--	1662.31	1662.31	1662.31	26560000.00	26560000.00	126.40	126.40	147967.00	147967.00
31	s_05_03	Cir.c	--	1555.22	1555.22	1555.22	24307100.00	24307100.00	125.02	125.02	136941.00	136941.00
32	s_05_05	Cir.c	--	1411.86	1411.86	1411.86	21091500.00	21091500.00	122.22	122.22	121565.00	121565.00
33	s_05_06	Cir.c	--	1652.00	1652.00	1652.00	24077500.00	24077500.00	120.73	120.73	140394.00	140394.00
34	s_05_07	Cir.c	--	1537.64	1537.64	1537.64	21900300.00	21900300.00	119.34	119.34	129205.00	129205.00
35	s_05_08	Cir.c	--	1477.68	1477.68	1477.68	20555300.00	20555300.00	117.94	117.94	122718.00	122718.00
36	s_05_09	Cir.c	--	1451.42	1451.42	1451.42	19757800.00	19757800.00	116.67	116.67	119239.00	119239.00
37	s_05_10	Cir.c	--	1642.68	1642.68	1642.68	21929900.00	21929900.00	115.54	115.54	133556.00	133556.00
38	s_05_11	Cir.c	--	2031.98	2031.98	2031.98	26566000.00	26566000.00	114.34	114.34	163282.00	163282.00
39	s_03_06	Cir.c	--	2876.27	2876.27	2876.27	55041100.00	55041100.00	138.33	138.33	279680.00	279680.00
40	s_05_04	Cir.c	--	1450.09	1450.09	1450.09	22164300.00	22164300.00	123.63	123.63	126292.00	126292.00

Caratteristiche profilati utilizzati

Sez.	Cod.	Wy,plas <cmc>	Wz,plas <cmc>	Atag,y <cmq>	Atag,z <cmq>	Jω <cm6>
1	s_01_01	835072.00	835073.00	4339.49	4339.49	
2	s_01_02	879292.00	879292.00	4572.72	4572.72	
3	s_01_03	593936.00	593935.00	3073.89	3073.89	
4	s_02_01	560878.00	560879.00	2901.21	2901.21	
5	s_02_02	539806.00	539805.00	2791.22	2791.22	
6	s_02_03	517192.00	517192.00	2673.29	2673.29	
7	s_02_04	491522.00	491520.00	2539.52	2539.52	
8	s_02_05	464292.00	464294.00	2397.76	2397.76	
9	s_02_06	441566.00	441568.00	2279.52	2279.52	
10	s_02_07	426393.00	426395.00	2200.65	2200.65	
11	s_03_01	432673.00	432672.00	2236.71	2236.71	
12	s_03_02	396946.00	396946.00	2057.12	2057.12	
13	s_03_03	384447.00	384448.00	1997.03	1997.03	
14	s_03_04	374653.00	374654.00	1951.86	1951.86	
15	s_03_05	375337.00	375339.00	1961.50	1961.50	
16	s_03_07	337392.00	337391.00	1772.09	1772.09	
17	s_03_08	323638.00	323636.00	1704.75	1704.75	
18	s_03_09	315030.00	315030.00	1662.61	1662.61	
19	s_04_01	303144.00	303145.00	1607.92	1607.92	
20	s_04_02	293394.00	293394.00	1566.56	1566.56	
21	s_04_03	277907.00	277906.00	1494.46	1494.46	
22	s_04_04	265541.00	265543.00	1438.30	1438.30	
23	s_04_05	255079.00	255079.00	1391.02	1391.02	
24	s_04_06	240530.00	240530.00	1321.23	1321.23	
25	s_04_07	232958.00	232957.00	1289.20	1289.20	
26	s_04_08	219709.00	219708.00	1222.89	1222.89	
27	s_04_09	209544.00	209544.00	1172.48	1172.48	

28	s_04_10	207263.00	207262.00	1166.08	1166.08	
29	s_05_01	196284.00	196284.00	1113.30	1113.30	
30	s_05_02	184545.00	184545.00	1058.26	1058.26	
31	s_05_03	170765.00	170764.00	990.09	990.09	
32	s_05_05	151561.00	151561.00	898.82	898.82	
33	s_05_06	175165.00	175164.00	1051.70	1051.70	
34	s_05_07	161171.00	161172.00	978.89	978.89	
35	s_05_08	153069.00	153070.00	940.72	940.72	
36	s_05_09	148730.00	148730.00	924.01	924.01	
37	s_05_10	166698.00	166698.00	1045.76	1045.76	
38	s_05_11	204058.00	204058.00	1293.60	1293.60	
39	s_03_06	349455.00	349455.00	1831.09	1831.09	
40	s_05_04	157455.00	157455.00	923.16	923.16	

Asta n. 10 (110 -116) s_01_02 Crit. 1

- Verifica di stabilità aste presso-inflesse (C4.2.4.1.3.3.2) - CC 17 - Classe 2
  Sollecitazioni: N,Ed=-590723.00 M,Ed=16376800.00
  Resistenze: Nc,Rd=14707600.00 M,c,Rd=18004500.00 L=128.50
  αmy, αmz, αLT=0.95, ----, ----
  λ=0.92 Ncr=175164000000.00 λ^*=0.01
  Curva a: Φ=0.00 χ,min=1.00
  Kyy, Kyz, Kzy, Kzz=0.94, ----, ----, ----
  Verifica: 0.04+0.24=0.28

- Verifica a pressoflessione retta - CC 17 Xl=0.00 - Classe 2
  Sollecitazioni: N=-590723.00 T=161059.00 M=16376800.00 M_x=211200.00
  M,Ed=16376800.00 M,c,Rd=18004500.00
  N,Ed=-590723.00 Nc,Rd=14707600.00 n=N,Ed/Nc,Rd=0.04
  MN,c,Rd=17281400.00 M,Ed/MN,c,Rd=0.95

- Verifica a taglio e torsione dir. Z (4.2.26) - CC 17 Xl=0.00
  Sollecitazioni: N=-590723.00 T=161059.00 M=16376800.00 M_x=211200.00
  V,Ed=161059.00 Vc,Rd,Red=5336790.00 V,Ed/Vc,Rd,Red=0.03

Asta n. 10 (-116 112) s_01_01 Crit. 1

- Verifica di stabilità aste presso-inflesse (C4.2.4.1.3.3.2) - CC 17 - Classe 2
  Sollecitazioni: N,Ed=-581304.00 M,Ed=16170400.00
  Resistenze: Nc,Rd=13957500.00 M,c,Rd=17099100.00 L=128.50
  αmy, αmz, αLT=0.95, ----, ----
  λ=0.92 Ncr=166479000000.00 λ^*=0.01
  Curva a: Φ=0.00 χ,min=1.00
  Kyy, Kyz, Kzy, Kzz=0.94, ----, ----, ----
  Verifica: 0.04+0.25=0.29

- Verifica a pressoflessione retta - CC 17 Xl=0.00 - Classe 2
  Sollecitazioni: N=-581304.00 T=160194.00 M=16170400.00 M_x=211200.00
  M,Ed=16170400.00 M,c,Rd=17099100.00
  N,Ed=-581304.00 Nc,Rd=13957500.00 n=N,Ed/Nc,Rd=0.04
  MN,c,Rd=16386900.00 M,Ed/MN,c,Rd=0.99

- Verifica a taglio e torsione dir. Z (4.2.26) - CC 17 Xl=0.00
  Sollecitazioni: N=-581304.00 T=160194.00 M=16170400.00 M_x=211200.00
  V,Ed=160194.00 Vc,Rd,Red=5061170.00 V,Ed/Vc,Rd,Red=0.03

Asta n. 10 (112 -115) s_01_01 Crit. 1

- Verifica di stabilità aste presso-inflesse (C4.2.4.1.3.3.2) - CC 17 - Classe 2
  Sollecitazioni: N,Ed=-572365.00 M,Ed=15965100.00
  Resistenze: Nc,Rd=13957500.00 M,c,Rd=17099100.00 L=146.50
  αmy, αmz, αLT=0.95, ----, ----
  λ=1.05 Ncr=128083000000.00 λ^*=0.01
  Curva a: Φ=0.00 χ,min=1.00
  Kyy, Kyz, Kzy, Kzz=0.94, ----, ----, ----
  Verifica: 0.04+0.24=0.29

- Verifica a pressoflessione retta - CC 17 Xl=0.00 - Classe 2
  Sollecitazioni: N=-572365.00 T=160194.00 M=15965100.00 M_x=211200.00
  M,Ed=15965100.00 M,c,Rd=17099100.00
  N,Ed=-572365.00 Nc,Rd=13957500.00 n=N,Ed/Nc,Rd=0.04
  MN,c,Rd=16397900.00 M,Ed/MN,c,Rd=0.97

- Verifica a taglio e torsione dir. Z (4.2.26) - CC 17 Xl=0.00
  Sollecitazioni: N=-572365.00 T=160194.00 M=15965100.00 M_x=211200.00
  V,Ed=160194.00 Vc,Rd,Red=5061170.00 V,Ed/Vc,Rd,Red=0.03

Asta n. 10 (-115 113) s_01_01 Crit. 1

- Verifica di stabilità aste presso-inflesse (C4.2.4.1.3.3.2) - CC 17 - Classe 2

Sollecitazioni: N,Ed=-562174.00 M,Ed=15731000.00
Resistenze: Nc,Rd=13957500.00 M,c,Rd=17099100.00 L=146.50
αmy, αmz, αLT=0.95, ----, ----
λ=1.05 Ncr=128083000000.00 λ*=0.01
Curva a: Φ=0.00 χ,min=1.00
Kyy, Kyz, Kzy, Kzz=0.94, ----, ----, ----
Verifica: 0.04+0.24=0.28

- Verifica a pressoflessione retta - CC 17 Xl=0.00 - Classe 2
Sollecitazioni: N=-562174.00 T=159149.00 M=15731000.00 M_x=211200.00
M,Ed=15731000.00 M,c,Rd=17099100.00
N,Ed=-562174.00 Nc,Rd=13957500.00 n=N,Ed/Nc,Rd=0.04
MN,c,Rd=16410400.00 M,Ed/MN,c,Rd=0.96

- Verifica a taglio e torsione dir. Z (4.2.26) - CC 17 Xl=0.00
Sollecitazioni: N=-562174.00 T=159149.00 M=15731000.00 M_x=211200.00
V,Ed=159149.00 Vc,Rd,Red=5061170.00 V,Ed/Vc,Rd,Red=0.03

Asta n. 10 (113 -114) s_01_01 Crit. 1

- Verifica di stabilità aste presso-inflesse (C4.2.4.1.3.3.2) - CC 17 - Classe 2
Sollecitazioni: N,Ed=-551984.00 M,Ed=15498500.00
Resistenze: Nc,Rd=13957500.00 M,c,Rd=17099100.00 L=75.00
αmy, αmz, αLT=0.95, ----, ----
λ=0.54 Ncr=488702000000.00 λ*=0.01
Curva a: Φ=0.00 χ,min=1.00
Kyy, Kyz, Kzy, Kzz=0.94, ----, ----, ----
Verifica: 0.04+0.24=0.28

- Verifica a pressoflessione retta - CC 17 Xl=0.00 - Classe 2
Sollecitazioni: N=-551984.00 T=159149.00 M=15498500.00 M_x=211200.00
M,Ed=15498500.00 M,c,Rd=17099100.00
N,Ed=-551984.00 Nc,Rd=13957500.00 n=N,Ed/Nc,Rd=0.04
MN,c,Rd=16422900.00 M,Ed/MN,c,Rd=0.94

- Verifica a taglio e torsione dir. Z (4.2.26) - CC 17 Xl=0.00
Sollecitazioni: N=-551984.00 T=159149.00 M=15498500.00 M_x=211200.00
V,Ed=159149.00 Vc,Rd,Red=5061170.00 V,Ed/Vc,Rd,Red=0.03

Asta n. 10 (-114 114) s_01_01 Crit. 1

- Verifica di stabilità aste presso-inflesse (C4.2.4.1.3.3.2) - CC 17 - Classe 2
Sollecitazioni: N,Ed=-546767.00 M,Ed=15379500.00
Resistenze: Nc,Rd=13957500.00 M,c,Rd=17099100.00 L=75.00
αmy, αmz, αLT=0.95, ----, ----
λ=0.54 Ncr=488702000000.00 λ*=0.01
Curva a: Φ=0.00 χ,min=1.00
Kyy, Kyz, Kzy, Kzz=0.94, ----, ----, ----
Verifica: 0.04+0.24=0.28

- Verifica a pressoflessione retta - CC 17 Xl=0.00 - Classe 2
Sollecitazioni: N=-546767.00 T=158565.00 M=15379500.00 M_x=211200.00
M,Ed=15379500.00 M,c,Rd=17099100.00
N,Ed=-546767.00 Nc,Rd=13957500.00 n=N,Ed/Nc,Rd=0.04
MN,c,Rd=16429300.00 M,Ed/MN,c,Rd=0.94

- Verifica a taglio e torsione dir. Z (4.2.26) - CC 17 Xl=0.00
Sollecitazioni: N=-546767.00 T=158565.00 M=15379500.00 M_x=211200.00
V,Ed=158565.00 Vc,Rd,Red=5061170.00 V,Ed/Vc,Rd,Red=0.03

Asta n. 10 (114 -113) s_01_01 Crit. 1

- Verifica di stabilità aste presso-inflesse (C4.2.4.1.3.3.2) - CC 17 - Classe 2
Sollecitazioni: N,Ed=-541549.00 M,Ed=15260900.00
Resistenze: Nc,Rd=13957500.00 M,c,Rd=17099100.00 L=145.25
αmy, αmz, αLT=0.95, ----, ----
λ=1.04 Ncr=130297000000.00 λ*=0.01
Curva a: Φ=0.00 χ,min=1.00
Kyy, Kyz, Kzy, Kzz=0.94, ----, ----, ----
Verifica: 0.04+0.24=0.28

- Verifica a pressoflessione retta - CC 17 Xl=0.00 - Classe 2
Sollecitazioni: N=-541549.00 T=158565.00 M=15260900.00 M_x=211200.00
M,Ed=15260900.00 M,c,Rd=17099100.00
N,Ed=-541549.00 Nc,Rd=13957500.00 n=N,Ed/Nc,Rd=0.04
MN,c,Rd=16435600.00 M,Ed/MN,c,Rd=0.93

- Verifica a taglio e torsione dir. Z (4.2.26) - CC 17 Xl=0.00
Sollecitazioni: N=-541549.00 T=158565.00 M=15260900.00 M_x=211200.00
V,Ed=158565.00 Vc,Rd,Red=5061170.00 V,Ed/Vc,Rd,Red=0.03

Asta n. 10 (-113 115) s_01_01 Crit. 1

- Verifica di stabilità aste presso-inflesse (C4.2.4.1.3.3.2) - CC 17 - Classe 2
  Sollecitazioni: N,Ed=-531446.00 M,Ed=15031200.00
  Resistenze: Nc,Rd=13957500.00 M,c,Rd=17099100.00 L=145.25
  αmy, αmz, αLT=0.95, ----, ----
  λ=1.04 Ncr=130297000000.00 λ*=0.01
  Curva a: Φ=0.00 χ,min=1.00
  Kyy, Kyz, Kzy, Kzz=0.94, ----, ----, ----
  Verifica: 0.04+0.23=0.27

- Verifica a pressoflessione retta - CC 17 Xl=0.00 - Classe 2
  Sollecitazioni: N=-531446.00 T=157340.00 M=15031200.00 M_x=211200.00
  M,Ed=15031200.00 M,c,Rd=17099100.00
  N,Ed=-531446.00 Nc,Rd=13957500.00 n=N,Ed/Nc,Rd=0.04
  MN,c,Rd=16448000.00 M,Ed/MN,c,Rd=0.91

- Verifica a taglio e torsione dir. Z (4.2.26) - CC 17 Xl=0.00
  Sollecitazioni: N=-531446.00 T=157340.00 M=15031200.00 M_x=211200.00
  V,Ed=157340.00 Vc,Rd,Red=5061170.00 V,Ed/Vc,Rd,Red=0.03

Sintesi

Tipo di normativa: stati limite D.M. 08
Tipo di calcolo: analisi sismica statica

Dati generali della struttura

- Zona sismica: zona 4
- Sito di costruzione: SP144, 72026 San Pancrazio salentino BR, Italia LON. 17.79020 LAT. 40.39720
  Contenuto tra ID reticolo: 34809 34808 35030 35031

Pericolosità sismica di base

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
FV = Valore massimo del fattore di amplificazione dello spettro in accelerazione verticale
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
S = Coefficiente di amplificazione stratigrafica e topografica
TC = Periodo corrispondente all'inizio del tratto dello spettro a velocità costante
TB = Periodo corrispondente all'inizio del tratto dello spettro ad accelerazione costante
TD = Periodo corrispondente all'inizio del tratto dello spettro a spostamento costante

TCC	T_R	Ag <g>	FO	FV	TC*	S_S	C_C	S	TC	TB	TD
SLD	201	0.0386	2.48	0.66	0.40	1.20	1.32	1.20	0.52	0.17	1.75
SLV	1898	0.0708	2.86	1.03	0.53	1.20	1.25	1.20	0.66	0.22	1.88

- Edificio esistente: No
- Tipo di opera: Opera ordinaria
- Vita nominale V_N: 100.00
- Classe d'uso: Classe IV
- Coefficiente d'uso CU: 2.00
- Periodo di riferimento VR: 200.00

Dati di progetto

- Categoria del suolo di fondazione: B
- Tipologia edificio: acciaio a mensola o a pendolo inverso

Coeff. C_1: 0.085
Periodo T_1: 3.00847
Coeff. λ SLD: 1.00
Coeff. λ SLV: 1.00

Rapporto di sovraresistenza (α_u/α_1): 1.00
Valore di riferimento del fattore di struttura (q_0): 2.00
Fattore riduttivo (K_w): 1.00
Fattore riduttivo regolarità in altezza (KR): 1.00
Fattore di struttura (q): 2.00

- Categoria topografica: T1 - Superficie pianeggiante, pendii e rilievi isolati con inclinazione media i<=15°
- Coeff. amplificazione topografica S_T: 1.00
- Quota di riferimento: 0.00 <m>
- Altezza della struttura: 116.21 <m>
- Numero piani edificio: 0
- Coefficiente θ: 0.00
- Edificio regolare in altezza: si
- Edificio regolare in pianta: si
- Classe di duttilità: Classe B
- Fattore di struttura per sisma verticale (qv): 1.50
- Smorzamento spettro: 5.00%
- Coefficiente θ: 0.00

Spettro SLD.TXT :

0.0000 0.4550
0.0500 0.6472
0.1000 0.8394
0.1500 1.0316
0.1750 1.1276
0.2000 1.1276
0.2500 1.1276
0.3000 1.1276
0.3500 1.1276
0.4000 1.1276
0.4500 1.1276
0.5000 1.1276
0.5249 1.1276
0.5500 1.0762
0.6000 0.9865
0.6500 0.9106
0.7000 0.8456
0.7500 0.7892
0.8000 0.7399
0.8500 0.6964
0.9000 0.6577
0.9500 0.6231
1.0000 0.5919
1.0500 0.5637
1.1000 0.5381
1.1500 0.5147
1.2000 0.4932
1.2500 0.4735
1.3000 0.4553
1.3500 0.4384
1.4000 0.4228
1.4500 0.4082
1.5000 0.3946
1.5500 0.3819
1.6000 0.3699
1.6500 0.3587
1.7000 0.3482
1.7500 0.3382
1.7546 0.3373
1.8000 0.3205
1.8500 0.3034
1.9000 0.2877
1.9500 0.2731
2.0000 0.2596
2.0500 0.2471
2.1000 0.2355
2.1500 0.2247
2.2000 0.2146
2.2500 0.2051
2.3000 0.1963
2.3500 0.1881
2.4000 0.1803
2.4500 0.1730
2.5000 0.1662
2.5500 0.1597
2.6000 0.1536
2.6500 0.1479
2.7000 0.1425
2.7500 0.1373
2.8000 0.1325

2.8500 0.1279
2.9000 0.1235
2.9500 0.1193
3.0000 0.1154
3.0500 0.1116
3.1000 0.1081
3.1500 0.1047
3.2000 0.1014
3.2500 0.0983
3.3000 0.0954
3.3500 0.0925
3.4000 0.0898
3.4500 0.0873
3.5000 0.0848
3.5500 0.0824
3.6000 0.0801
3.6500 0.0780
3.7000 0.0759
3.7500 0.0739
3.8000 0.0719
3.8500 0.0701
3.9000 0.0683
3.9500 0.0666
4.0000 0.0649

Spettro SLV.TXT :

0.0000 0.8333
0.0500 0.9148
0.1000 0.9964
0.1500 1.0780
0.2000 1.1596
0.2208 1.1935
0.2500 1.1935
0.3000 1.1935
0.3500 1.1935
0.4000 1.1935
0.4500 1.1935
0.5000 1.1935
0.5500 1.1935
0.6000 1.1935
0.6500 1.1935
0.6623 1.1935
0.7000 1.1292
0.7500 1.0539
0.8000 0.9881
0.8500 0.9299
0.9000 0.8783
0.9500 0.8321
1.0000 0.7905
1.0500 0.7528
1.1000 0.7186
1.1500 0.6874
1.2000 0.6587
1.2500 0.6324
1.3000 0.6080
1.3500 0.5855
1.4000 0.5646
1.4500 0.5451
1.5000 0.5270
1.5500 0.5100
1.6000 0.4940
1.6500 0.4791
1.7000 0.4650
1.7500 0.4517
1.8000 0.4391
1.8500 0.4273
1.8831 0.4198
1.9000 0.4123
1.9500 0.3915
2.0000 0.3721
2.0500 0.3542
2.1000 0.3375
2.1500 0.3220
2.2000 0.3075
2.2500 0.2940
2.3000 0.2814
2.3500 0.2695
2.4000 0.2584
2.4500 0.2480
2.5000 0.2382
2.5500 0.2289

2.6000 0.2202
2.6500 0.2120
2.7000 0.2042
2.7500 0.1968
2.8000 0.1899
2.8500 0.1833
2.9000 0.1770
2.9500 0.1710
3.0000 0.1654
3.0500 0.1600
3.1000 0.1549
3.1500 0.1500
3.2000 0.1454
3.2500 0.1409
3.3000 0.1389
3.3500 0.1389
3.4000 0.1389
3.4500 0.1389
3.5000 0.1389
3.5500 0.1389
3.6000 0.1389
3.6500 0.1389
3.7000 0.1389
3.7500 0.1389
3.8000 0.1389
3.8500 0.1389
3.9000 0.1389
3.9500 0.1389
4.0000 0.1389

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	peso proprio struttura	1.00	1.00	0.00	0.00	0.00	1.00	1	S	--
2	peso navicella	1.00	1.00	0.00	0.00	0.00	1.00	2	S	--
3	vento navicella	1.00	1.00	0.00	0.00	0.00	1.00	10	S	B
4	vento torre	1.00	1.00	0.00	0.00	0.00	1.00	10	S	B
5	neve navicella	1.00	1.00	0.00	0.00	0.00	1.00	11	S	B
6	zavorra	1.00	1.00	0.00	0.00	0.00	1.00	1	S	--

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	1.50				
10	D.M. 08 Variabili Vento	Q	N	0.00	1.50	0.60	0.20	0.00	0.00
11	D.M. 08 Variabili Neve (a quota <= 1000 m s.l.m.)	Q	N	0.00	1.50	0.50	0.20	0.00	0.00

Elenco masse nodi

Simbologia
Nodo = Numero del nodo
Mo = Massa orizzontale

Nodo	Mo <kg>	Nodo	Mo <kg>	Nodo	Mo <kg>	Nodo	Mo <kg>	Nodo	Mo <kg>	Nodo	Mo <kg>
-123	4636.50	-122	4636.50	-121	4636.50	-120	4791.05	-119	4829.69	-118	4829.69
-117	4597.43	-116	7197.46	-115	7990.93	-114	4090.92	-113	7922.75	-112	5660.40
-111	4558.36	-110	4560.99	-109	4435.47	-108	4309.28	-107	4068.75	-106	4197.60
-105	4052.37	-104	4092.08	-103	3763.50	-102	3653.58	-101	3570.92	-100	3588.57
-99	3349.98	-98	3242.05	-97	2594.93	-96	2530.78	-95	2917.45	-94	2842.39
-93	2711.58	-92	2609.68	-91	2523.88	-90	2397.26	-89	2339.15	-88	1585.54
-87	1520.18	-86	1511.89	-85	2007.40	-84	1908.15	-83	1785.23	-82	1666.87
-81	1340.48	-80	1898.97	-79	1767.51	-78	1698.58	-77	1274.09	-76	1441.98
-75	1783.72	-74	2560.65	-73	2560.65	-72	2560.65	-71	2560.65	-70	2560.65
-69	2560.65	-68	2560.65	-67	2560.65	-66	2560.65	-65	2560.65	-64	2560.65
-63	2560.65	-62	2560.65	-61	2560.65	-60	2560.65	-59	2560.65	-58	2560.65
-57	2560.65	-56	2560.65	-19	2560.65	110	46903.90	112	7500.02	113	6040.92
114	6006.83	115	6791.57	116	5245.04	117	4559.68	118	4498.23	119	4372.38
120	4189.01	121	4133.18	122	4124.99	123	4072.22	124	3927.78	125	3708.54
126	3612.24	127	3579.75	128	3469.27	129	3296.02	130	2918.48	131	2562.86
132	2724.11	133	2879.93	134	2776.98	135	2660.64	136	2566.78	137	2460.58
138	2368.20	139	1962.35	140	1552.86	141	1516.04	142	1759.64	143	1957.78
144	1846.69	145	1726.05	146	1644.90	147	1478.50	148	1833.24	149	1733.05
150	1486.34	151	1358.04	152	1612.84	153	116590.00	268	4829.69	269	4810.37
270	4713.78	271	4636.50	272	4636.51						

Totali masse nodi

Mo <kg>
536769.00

Prove in sito
Elenco colonne stratigrafiche

Simbologia
St. = Strato
z = Profondità della superficie superiore dello strato
Spess. = Spessore
Unità geotecnica = Unità geotecnica
Class. = Classificazione
Coes. = Coesivo
Inc. = Incoerente
Roc. = Roccia
N. c. = Non classificato
γ = Peso specifico del terreno naturale
γ_{sat} = Peso specifico del terreno saturo
ϕ' = Angolo di attrito efficace
c' = Coesione efficace
c_u = Coesione non drenata
E = Modulo elastico normale
G = Modulo elastico tangenziale
E_{ed} = Modulo edometrico

Colonna stratigrafica numero 1 str_01

St.	z <m>	Spess. <cm>	Unità geotecnica	Class.	γ <daN/mc>	γ_{sat} <daN/mc>	ϕ' <grad>	c' <daN/mq>	c_u <daN/mq>	E <daN/mq>	G <daN/mq>	E_{ed} <daN/mq>
1	0.00	--	1 Calcarenite	Roc.	1940.00	1940.00	30.00	200.00		55000000.00	18970000.00	37930000.00

Le verifiche degli elementi di fondazione sono state effettuate utilizzando l'approccio 2 - Combinazione 1.
Coefficienti parziali per le azioni, per verifiche in condizioni statiche:
Permanenti strutturali, sicurezza a favore γ_A = 1.00;
Permanenti strutturali, sicurezza a sfavore γ_A = 1.30;
Permanenti non strutturali, sicurezza a favore γ_A = 0.00;
Permanenti non strutturali, sicurezza a sfavore γ_A = 1.50;

Variabili, sicurezza a favore $\gamma_A = 0.00$;
Variabili, sicurezza a sfavore $\gamma_A = 1.50$.

I coefficienti parziali per le azioni sono posti pari all'unità per le verifiche in condizioni sismiche.

Tali coefficienti sono comunque desumibili dalla tabella delle combinazioni delle CCE (Parametri di calcolo).

Coefficienti parziali per i parametri geotecnici:
Tangente dell'angolo di attrito $\gamma_M = 1.00$;
Coesione efficace $\gamma_M = 1.00$;
Coesione non drenata $\gamma_M = 1.00$;

Coefficienti parziali per la resistenza delle fondazioni superficiali:
Capacità portante $\gamma_R = 2.30$;
Scorrimento $\gamma_R = 1.10$;
Coefficienti parziali per la resistenza delle fondazioni profonde:
Per pali infissi:
Resistenza alla base $\gamma_{R,b} = 1.15$;
Resistenza laterale in compressione $\gamma_{R,s} = 1.15$;
Resistenza laterale in trazione $\gamma_{R,t} = 1.25$;
Per pali trivellati:
Resistenza alla base $\gamma_{R,b} = 1.35$;
Resistenza laterale in compressione $\gamma_{R,s} = 1.15$;
Resistenza laterale in trazione $\gamma_{R,t} = 1.25$;
Per pali ad elica continua:
Resistenza alla base $\gamma_{R,b} = 1.30$;
Resistenza laterale in compressione $\gamma_{R,s} = 1.15$;
Resistenza laterale in trazione $\gamma_{R,t} = 1.25$;
Fattore di correlazione per la determinazione della resistenza caratteristica desumibile dai criteri di progetto.

Spostamento relativo

Max = 0.00 <cm>

Minimo coefficiente di sicurezza

Simbologia
Elem. = Elemento
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

TV = Tipo di verifica
- PRFL = Flessione e pressoflessione
- TAG = Taglio o altre rotture fragili
- NOD = Nodi in c.a. e collegamenti in acciaio
- STAB = Stabilità
- CP = Capacità portante
- RNP = Resistenza nel piano
- RFP = Resistenza fuori piano
- CIN = Cinematismi

Sic. = Sicurezza

Tabella elementi e minimo coefficiente di sicurezza

Elem.	CC	TCC	TV	Sic.
Asta in acciaio n. 10	17	SLU	PRFL	1.01
Asta in acciaio n. 10	17	SLU	TAG	31.59
Asta in acciaio n. 10	17	SLU	STAB	3.46

Minimo coefficiente di sicurezza:1.01