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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

Relazione di calcolo

- 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.
- DIN 1052 - Metodi di verifica per il legno.
- D.M. del 17/1/2018 - Norme tecniche per le costruzioni.
- Circolare n. 7 del 21/1/2019 - Istruzioni per l'applicazione dell'«Aggiornamento delle "Norme tecniche per le costruzioni"» di cui al decreto ministeriale 17 gennaio 2018.
- 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 2 - Progettazione delle strutture di calcestruzzo.
- Eurocodice 3 - Progettazione delle strutture in acciaio.
- Eurocodice 5 - Progettazione delle strutture di legno.

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 materiali

Simbologia

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

Mat.	Comm.	P <daN/mc>	E <daN/cm ² >	G <daN/cm ² >	ν	α
5	Calcestruzzo classe C25/30	2500	314472.00	142942.00	0.1	1.00E-05
8	Calcestruzzo classe C32/40	2500	336428.00	152922.00	0.1	1.00E-05

Elenco sezioni aste

Simbologia

- B =Base
- C =Numero del criterio di progetto
- Comm. =Commento
- Crit. C.F. =Criterio di progetto collegamento finale
- Crit. C.I. =Criterio di progetto collegamento iniziale
- H =Altezza
- Ma =Numero del materiale
- Mem. =Membratura
 - T = Trave
 - P = Pilastro
- Sez. =Numero della sezione
- Tipo =Tipologia
 - R = Rettangolare
- Ver. =Verifica prevista
 - C = Cemento armato

Sez.	Comm.	Tipo	Mem.	Ver.	B <cm>	H <cm>	Ma	C	Crit. C.I.	Crit. C.F.
1	PIL 25X50	R	P	C	25.00	50.00	8	1		
2	PIL 25X65	R	P	C	25.00	65.00	8	1		
3	PIL 25X25	R	P	C	25.00	25.00	8	1		
4	TR 70X24	R	T	C	70.00	24.00	8	3		
5	TR 30X24	R	T	C	30.00	24.00	8	4		
6	TR 50X20	R	T	C	50.00	20.00	8	3		
7	TR 25X20	R	T	C	25.00	20.00	8	4		
8	Tr. 50x24	R	T	C	50.00	24.00	8	3		
9	Tr. 60x24	R	T	C	60.00	24.00	8	3		

Elenco aste

Simbologia

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

Asta	N1	N2	Sez.	Va	Par.	Rot. <grad>	FF	Dy1 <cm>	Dy2 <cm>	Dz1 <cm>	Dz2 <cm>	Kt <daN/cm>
0	-864	-114		1		0.00	11	0.00	0.00	0.00	0.00	
0	-114	-845		1		0.00	11	0.00	0.00	0.00	0.00	
0	-865	-864		1		0.00	11	0.00	0.00	0.00	0.00	
0	-845	-844		1		0.00	11	0.00	0.00	0.00	0.00	
0	-866	-865		1		0.00	11	0.00	0.00	0.00	0.00	
0	-844	-843		1		0.00	11	0.00	0.00	0.00	0.00	
0	-867	-866		1		0.00	11	0.00	0.00	0.00	0.00	
0	-843	-842		1		0.00	11	0.00	0.00	0.00	0.00	
0	-114	-1425		1		0.00	11	0.00	0.00	0.00	0.00	
0	-259	-867		1		0.00	11	0.00	0.00	0.00	0.00	
0	-842	-841		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1416	-259		1		0.00	11	0.00	0.00	0.00	0.00	
0	-841	-840		1		0.00	11	0.00	0.00	0.00	0.00	
0	7	-1416		1		0.00	11	0.00	0.00	0.00	0.00	
0	-840	-120		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1012	7		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1013	-1012		1		0.00	11	0.00	0.00	0.00	0.00	
0	-120	-940		1		0.00	11	0.00	0.00	0.00	0.00	
0	-120	-1431		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1014	-1013		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1425	-1431		1		0.00	11	0.00	0.00	0.00	0.00	
0	-399	-1014		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1318	-399		1		0.00	11	0.00	0.00	0.00	0.00	
0	12	-1318		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1338	12		1		0.00	11	0.00	0.00	0.00	0.00	
0	3	-762		1		0.00	11	0.00	0.00	0.00	0.00	
0	3	-70		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1337	-1338		1		0.00	11	0.00	0.00	0.00	0.00	
0	-762	-763		1		0.00	11	0.00	0.00	0.00	0.00	
0	-70	-99		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1336	-1337		1		0.00	11	0.00	0.00	0.00	0.00	
0	-763	-764		1		0.00	11	0.00	0.00	0.00	0.00	
0	-99	-128		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1335	-1336		1		0.00	11	0.00	0.00	0.00	0.00	
0	-764	-765		1		0.00	11	0.00	0.00	0.00	0.00	
0	-941	-940		1		0.00	11	0.00	0.00	0.00	0.00	
0	-128	-910		1		0.00	11	0.00	0.00	0.00	0.00	
0	15	-1335		1		0.00	11	0.00	0.00	0.00	0.00	
0	-942	-941		1		0.00	11	0.00	0.00	0.00	0.00	
0	-910	-911		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1334	15		1		0.00	11	0.00	0.00	0.00	0.00	
0	-766	-767		1		0.00	11	0.00	0.00	0.00	0.00	
0	-943	-942		1		0.00	11	0.00	0.00	0.00	0.00	
0	-911	-912		1		0.00	11	0.00	0.00	0.00	0.00	
0	-913	-943		1		0.00	11	0.00	0.00	0.00	0.00	
0	31	36		1		0.00	11	0.00	0.00	0.00	0.00	
0	-940	-1427		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1427	-1431		1		0.00	11	0.00	0.00	0.00	0.00	
0	-765	-766		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1333	-1334		1		0.00	11	0.00	0.00	0.00	0.00	
0	-767	-48		1		0.00	11	0.00	0.00	0.00	0.00	
0	-48	-678		1		0.00	11	0.00	0.00	0.00	0.00	
0	-682	-686		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1433	-694		1		0.00	11	0.00	0.00	0.00	0.00	
0	-912	-913		1		0.00	11	0.00	0.00	0.00	0.00	
0	-913	-273		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1331	-1332		1		0.00	11	0.00	0.00	0.00	0.00	
0	-273	-1401		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1401	9		1		0.00	11	0.00	0.00	0.00	0.00	
0	-913	-1426		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1429	31		1		0.00	11	0.00	0.00	0.00	0.00	

Relazione di calcolo

0	-1427	-1429	1	0.00	11	0.00	0.00	0.00	0.00	
0	-678	-682	1	0.00	11	0.00	0.00	0.00	0.00	
0	-1330	-1331	1	0.00	11	0.00	0.00	0.00	0.00	
0	-134	-803	1	0.00	11	0.00	0.00	0.00	0.00	
0	-681	-134	1	0.00	11	0.00	0.00	0.00	0.00	
0	-802	-801	1	0.00	11	0.00	0.00	0.00	0.00	
0	-686	-690	1	0.00	11	0.00	0.00	0.00	0.00	
0	-1332	-1333	1	0.00	11	0.00	0.00	0.00	0.00	
0	-685	-681	1	0.00	11	0.00	0.00	0.00	0.00	
0	-1435	-693	1	0.00	11	0.00	0.00	0.00	0.00	
0	9	-1060	1	0.00	11	0.00	0.00	0.00	0.00	
0	-1060	-1061	1	0.00	11	0.00	0.00	0.00	0.00	
0	16	-1329	1	0.00	11	0.00	0.00	0.00	0.00	
0	-803	-802	1	0.00	11	0.00	0.00	0.00	0.00	
0	-690	-1433	1	0.00	11	0.00	0.00	0.00	0.00	
0	-693	-689	1	0.00	11	0.00	0.00	0.00	0.00	
0	-1061	-1062	1	0.00	11	0.00	0.00	0.00	0.00	
0	-801	-800	1	0.00	11	0.00	0.00	0.00	0.00	
0	-694	-706	1	0.00	11	0.00	0.00	0.00	0.00	
0	-1062	-413	1	0.00	11	0.00	0.00	0.00	0.00	
0	-413	-1223	1	0.00	11	0.00	0.00	0.00	0.00	
0	-1223	14	1	0.00	11	0.00	0.00	0.00	0.00	
0	-1429	-1426	1	0.00	11	0.00	0.00	0.00	0.00	
0	-742	-1429	1	0.00	11	0.00	0.00	0.00	0.00	
0	32	-742	1	0.00	11	0.00	0.00	0.00	0.00	
0	-689	-685	1	0.00	11	0.00	0.00	0.00	0.00	
0	4	-82	1	0.00	11	0.00	0.00	0.00	0.00	
0	-800	-799	1	0.00	11	0.00	0.00	0.00	0.00	
0	-1280	-1281	1	0.00	11	0.00	0.00	0.00	0.00	
0	-799	-798	1	0.00	11	0.00	0.00	0.00	0.00	
0	-697	-1435	1	0.00	11	0.00	0.00	0.00	0.00	
0	-1329	-1330	1	0.00	11	0.00	0.00	0.00	0.00	
0	-631	16	1	0.00	11	0.00	0.00	0.00	0.00	
0	-1282	-631	1	0.00	11	0.00	0.00	0.00	0.00	
0	-82	-111	1	0.00	11	0.00	0.00	0.00	0.00	
0	-798	-140	1	0.00	11	0.00	0.00	0.00	0.00	
0	-140	-978	1	0.00	11	0.00	0.00	0.00	0.00	
0	-706	120	1	0.00	11	0.00	0.00	0.00	0.00	
0	-718	-724	1	0.00	11	0.00	0.00	0.00	0.00	
0	-1281	-1282	1	0.00	11	0.00	0.00	0.00	0.00	
0	-978	-979	1	0.00	11	0.00	0.00	0.00	0.00	
0	-979	-980	1	0.00	11	0.00	0.00	0.00	0.00	
0	6	-1392	1	0.00	11	0.00	0.00	0.00	0.00	
0	120	-718	1	0.00	11	0.00	0.00	0.00	0.00	
0	121	-709	1	0.00	11	0.00	0.00	0.00	0.00	
0	121	-721	1	0.00	11	0.00	0.00	0.00	0.00	
0	-721	-727	1	0.00	11	0.00	0.00	0.00	0.00	
0	-140	-1424	1	0.00	11	0.00	0.00	0.00	0.00	
0	-724	221	1	0.00	11	0.00	0.00	0.00	0.00	
0	-727	222	1	0.00	11	0.00	0.00	0.00	0.00	
0	121	-1424	1	0.00	11	0.00	0.00	0.00	0.00	
0	14	-1239	1	0.00	11	0.00	0.00	0.00	0.00	
0	-1279	-1280	1	0.00	11	0.00	0.00	0.00	0.00	
0	-1239	-1238	1	0.00	11	0.00	0.00	0.00	0.00	
0	-111	-140	1	0.00	11	0.00	0.00	0.00	0.00	
0	-1278	-1279	1	0.00	11	0.00	0.00	0.00	0.00	
0	-1238	-1237	1	0.00	11	0.00	0.00	0.00	0.00	
0	-1277	-1278	1	0.00	11	0.00	0.00	0.00	0.00	
0	-1237	-1236	1	0.00	11	0.00	0.00	0.00	0.00	
0	17	-1277	1	0.00	11	0.00	0.00	0.00	0.00	
0	-1236	17	1	0.00	11	0.00	0.00	0.00	0.00	
0	-980	-981	1	0.00	11	0.00	0.00	0.00	0.00	
0	-709	-697	1	0.00	11	0.00	0.00	0.00	0.00	
0	-1235	17	1	0.00	11	0.00	0.00	0.00	0.00	
0	-1234	-1235	1	0.00	11	0.00	0.00	0.00	0.00	
0	-981	6	1	0.00	11	0.00	0.00	0.00	0.00	
0	-1233	-1234	1	0.00	11	0.00	0.00	0.00	0.00	
0	-1232	-1233	1	0.00	11	0.00	0.00	0.00	0.00	
0	-1231	-1232	1	0.00	11	0.00	0.00	0.00	0.00	
0	-1230	-1231	1	0.00	11	0.00	0.00	0.00	0.00	
0	18	-1230	1	0.00	11	0.00	0.00	0.00	0.00	
0	-1188	18	1	0.00	11	0.00	0.00	0.00	0.00	
0	-743	32	1	0.00	11	0.00	0.00	0.00	0.00	
0	33	-743	1	0.00	11	0.00	0.00	0.00	0.00	
0	34	33	1	0.00	11	0.00	0.00	0.00	0.00	
0	35	34	1	0.00	11	0.00	0.00	0.00	0.00	
0	-1392	-338	1	0.00	11	0.00	0.00	0.00	0.00	
0	-338	-1126	1	0.00	11	0.00	0.00	0.00	0.00	
0	-1126	-1127	1	0.00	11	0.00	0.00	0.00	0.00	

Relazione di calcolo

0	-1127	-1128		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1128	11		1		0.00	11	0.00	0.00	0.00	0.00	
0	11	-1168		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1187	-1188		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1168	-478		1		0.00	11	0.00	0.00	0.00	0.00	
0	-478	-1167		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1186	-1187		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1167	-1166		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1185	-1186		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1166	-1165		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1184	-1185		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1165	-1164		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1183	-1184		1		0.00	11	0.00	0.00	0.00	0.00	
0	-1164	19		1		0.00	11	0.00	0.00	0.00	0.00	
0	19	-1183		1		0.00	11	0.00	0.00	0.00	0.00	
1	1	201	2	1		0.00	11	0.00	0.00	0.00	0.00	
2	2	202	1	1		0.00	44	0.00	0.00	7.50	7.50	
3	3	203	2	1		0.00	11	0.00	0.00	52.20	52.20	
4	4	104	2	1		0.00	77	0.00	0.00	0.00	0.00	
5	5	105	3	1		90.00	99	0.00	0.00	0.00	0.00	
5	105	223	3	1		90.00	99	0.00	0.00	0.00	0.00	
6	6	106	1	1		90.00	77	0.00	0.00	0.00	0.00	
7	7	-734	2	1		90.00	99	0.00	0.00	0.00	0.00	
7	-734	207	2	1		90.00	99	0.00	0.00	0.00	0.00	
8	8	-735	1	1		90.00	77	0.00	0.00	0.00	0.00	
8	-735	208	1	1		90.00	77	0.00	0.00	0.00	0.00	
9	9	209	1	1		90.00	77	0.00	0.00	0.00	0.00	
10	10	110	3	1		90.00	99	0.00	0.00	0.00	0.00	
10	110	210	3	1		90.00	99	0.00	0.00	0.00	0.00	
11	11	111	1	1		90.00	77	0.00	0.00	0.00	0.00	
12	12	-736	2	1		90.00	33	0.00	0.00	0.00	0.00	
12	-736	212	2	1		90.00	33	0.00	0.00	0.00	0.00	
13	13	-737	1	1		90.00	11	0.00	0.00	0.00	0.00	
13	-737	213	1	1		90.00	11	0.00	0.00	0.00	0.00	
14	14	214	1	1		90.00	11	0.00	0.00	0.00	0.00	
15	15	215	2	1		0.00	33	0.00	0.00	0.00	0.00	
16	16	216	1	1		0.00	66	0.00	0.00	7.50	7.50	
17	17	217	2	1		0.00	33	0.00	0.00	52.20	52.20	
18	18	118	2	1		0.00	66	0.00	0.00	0.00	0.00	
18	118	218	2	1		0.00	66	0.00	0.00	0.00	0.00	
19	19	119	2	1		0.00	99	0.00	0.00	0.00	0.00	
102	120	104	8	1		0.00	11	0.00	0.00	0.00	0.00	
102	104	21	8	1		0.00	11	0.00	0.00	0.00	0.00	
103	105	106	5	1		0.00	33	0.00	0.00	0.00	0.00	
103	106	22	5	1		0.00	33	0.00	0.00	0.00	0.00	
105	110	111	5	1		0.00	33	0.00	0.00	0.00	0.00	
105	111	23	5	1		0.00	33	0.00	0.00	0.00	0.00	
107	118	119	5	1		0.00	33	0.00	0.00	0.00	0.00	
107	119	24	5	1		0.00	33	0.00	0.00	0.00	0.00	
108	25	26	5	1		0.00	33	0.00	0.00	0.00	0.00	
108	26	27	5	1		0.00	33	0.00	0.00	0.00	0.00	
113	120	-714	8	1		12.00	33	0.00	0.00	0.00	0.00	
113	-714	-715	8	1		12.00	33	0.00	0.00	0.00	0.00	
113	-715	121	8	1		12.00	33	0.00	0.00	0.00	0.00	
113	121	105	8	1		12.00	33	0.00	0.00	0.00	0.00	
113	105	110	8	1		12.00	33	0.00	0.00	0.00	0.00	
113	110	118	8	1		12.00	33	0.00	0.00	0.00	0.00	
113	118	25	8	1		12.00	33	0.00	0.00	0.00	0.00	
115	-1424	104	8	1		348.00	33	0.00	0.00	0.00	0.00	
115	106	-1424	8	1		348.00	33	0.00	0.00	0.00	0.00	
115	111	106	8	1		348.00	33	0.00	0.00	0.00	0.00	
115	119	111	8	1		348.00	33	0.00	0.00	0.00	0.00	
115	26	119	8	1		348.00	33	0.00	0.00	0.00	0.00	
116	22	21	5	1		348.00	33	0.00	0.00	0.00	0.00	
116	23	22	5	1		348.00	33	0.00	0.00	0.00	0.00	
116	24	23	5	1		348.00	33	0.00	0.00	0.00	0.00	
116	27	24	5	1		348.00	33	0.00	0.00	0.00	0.00	
201	-741	229	8	1		0.00	11	0.00	0.00	0.00	0.00	
201	229	226	8	1		0.00	11	0.00	0.00	0.00	0.00	
201	36	226	8	1		0.00	33	0.00	0.00	0.00	0.00	
201	224	36	8	1		0.00	33	0.00	0.00	0.00	0.00	
201	225	224	8	1		0.00	33	0.00	0.00	0.00	0.00	
201	-738	225	8	1		0.00	33	0.00	0.00	0.00	0.00	
202	-698	201	9	1		0.00	11	0.00	0.00	0.00	0.00	
202	201	202	9	1		0.00	11	0.00	0.00	0.00	0.00	
202	202	219	9	1		0.00	11	0.00	0.00	0.00	0.00	
202	219	31	9	1		0.00	11	0.00	0.00	0.00	0.00	
202	31	203	9	1		0.00	11	0.00	0.00	0.00	0.00	
202	203	221	9	1		0.00	11	0.00	0.00	0.00	0.00	

Relazione di calcolo

202	221	-730	9	1		0.00	11	0.00	0.00	0.00	0.00	
203	-742	-716	5	1		0.00	11	0.00	0.00	0.00	0.00	
203	-716	223	5	1		0.00	11	0.00	0.00	0.00	0.00	
203	223	-731	5	1		0.00	11	0.00	0.00	0.00	0.00	
204	-699	207	8	1		0.00	33	0.00	0.00	0.00	0.00	
204	207	-722	8	1		0.00	33	0.00	0.00	0.00	0.00	
204	-722	208	8	1		0.00	33	0.00	0.00	0.00	0.00	
204	208	32	8	1		0.00	33	0.00	0.00	0.00	0.00	
205	-743	-717	5	1		0.00	11	0.00	0.00	0.00	0.00	
205	-717	210	5	1		0.00	11	0.00	0.00	0.00	0.00	
205	210	-732	5	1		0.00	11	0.00	0.00	0.00	0.00	
206	-700	212	8	1		0.00	11	0.00	0.00	0.00	0.00	
206	212	-723	8	1		0.00	11	0.00	0.00	0.00	0.00	
206	-723	213	8	1		0.00	11	0.00	0.00	0.00	0.00	
206	213	33	8	1		0.00	11	0.00	0.00	0.00	0.00	
207	-701	215	9	1		0.00	33	0.00	0.00	0.00	0.00	
207	215	216	9	1		0.00	33	0.00	0.00	0.00	0.00	
207	216	220	9	1		0.00	33	0.00	0.00	0.00	0.00	
207	220	34	9	1		0.00	33	0.00	0.00	0.00	0.00	
207	34	217	9	1		0.00	33	0.00	0.00	0.00	0.00	
207	217	218	9	1		0.00	33	0.00	0.00	0.00	0.00	
207	218	-733	9	1		0.00	33	0.00	0.00	0.00	0.00	
208	228	-740	8	1		0.00	11	0.00	0.00	0.00	0.00	
208	227	228	8	1		0.00	11	0.00	0.00	0.00	0.00	
208	35	227	8	1		0.00	11	0.00	0.00	0.00	0.00	
208	28	35	8	1		0.00	11	0.00	0.00	0.00	0.00	
208	29	28	8	1		0.00	11	0.00	0.00	0.00	0.00	
208	-739	29	8	1		0.00	11	0.00	0.00	0.00	0.00	
209	-698	-741	5	1		20.00	11	0.00	0.00	0.00	0.00	
209	-699	-698	5	1		20.00	11	0.00	0.00	0.00	0.00	
209	-700	-699	5	1		20.00	11	0.00	0.00	0.00	0.00	
209	-701	-700	5	1		20.00	11	0.00	0.00	0.00	0.00	
209	-740	-701	5	1		20.00	11	0.00	0.00	0.00	0.00	
210	201	229	8	1		20.00	11	0.00	0.00	0.00	0.00	
210	-1425	201	8	1		20.00	11	0.00	0.00	0.00	0.00	
210	207	-1425	8	1		20.00	11	0.00	0.00	0.00	0.00	
210	212	207	8	1		20.00	11	0.00	0.00	0.00	0.00	
210	215	212	8	1		20.00	11	0.00	0.00	0.00	0.00	
210	228	215	8	1		20.00	11	0.00	0.00	0.00	0.00	
211	219	226	4	1		0.00	33	15.00	15.00	0.00	0.00	
211	208	219	4	1		0.00	33	15.00	15.00	0.00	0.00	
211	213	208	4	1		0.00	33	15.00	15.00	0.00	0.00	
211	220	213	4	1		0.00	33	15.00	15.00	0.00	0.00	
211	227	220	4	1		0.00	33	15.00	15.00	0.00	0.00	
212	203	224	4	1		0.00	33	15.00	15.00	0.00	0.00	
212	-1426	203	4	1		0.00	33	15.00	15.00	0.00	0.00	
212	-716	-1426	4	1		0.00	33	15.00	15.00	0.00	0.00	
212	209	-716	4	1		0.00	33	15.00	15.00	0.00	0.00	
212	-717	209	4	1		0.00	33	15.00	15.00	0.00	0.00	
212	214	-717	4	1		0.00	33	15.00	15.00	0.00	0.00	
212	217	214	4	1		0.00	33	15.00	15.00	0.00	0.00	
212	28	217	4	1		0.00	33	15.00	15.00	0.00	0.00	
213	221	225	8	1		20.00	22	0.00	0.00	0.00	0.00	
213	-728	221	8	1		20.00	22	0.00	0.00	0.00	0.00	
213	-729	-728	8	1		20.00	22	0.00	0.00	0.00	0.00	
213	222	-729	8	1		20.00	22	0.00	0.00	0.00	0.00	
213	223	222	8	1		20.00	22	0.00	0.00	0.00	0.00	
213	210	223	8	1		20.00	22	0.00	0.00	0.00	0.00	
213	218	210	8	1		20.00	22	0.00	0.00	0.00	0.00	
213	29	218	8	1		20.00	22	0.00	0.00	0.00	0.00	
214	-730	-738	5	1		20.00	33	0.00	0.00	0.00	0.00	
214	-731	-730	5	1		20.00	33	0.00	0.00	0.00	0.00	
214	-732	-731	5	1		20.00	33	0.00	0.00	0.00	0.00	
214	-733	-732	5	1		20.00	33	0.00	0.00	0.00	0.00	
214	-739	-733	5	1		20.00	33	0.00	0.00	0.00	0.00	
504	-734	-735	6	1		0.00	33	0.00	0.00	0.00	0.00	
506	-736	-737	6	1		0.00	11	0.00	0.00	0.00	0.00	
510	-734	-736	7	1		0.00	33	0.00	0.00	0.00	0.00	
511	-735	-737	7	1		0.00	11	0.00	0.00	0.00	0.00	

Elenco tipi elementi bidimensionali

Simbologia

- Ang. att. =Angolo di attrito
- Ang. dil. =Angolo di dilatanza
- Coes. =Coesione
- Comm. =Commento
- Crit. =Numero del criterio di progetto
- DP =Drucker-Prager

Relazione di calcolo

Kt =Coeff. di sottofondo su suolo elastico alla Winkler
 Mat. =Numero del materiale
 Spess. =Spessore
 Tb =Numero del tipo muro/elemento bidimensionale
 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
 S = Soletta/Platea
 N = Nucleo

Tb	Comm.	Tipo	Uso	Spess. <cm>	Kt <daN/cm>	DP	Ang. att. <grad>	Coes. <daN/mq>	Ang. dil. <grad>	Crit.	Mat.
1	platea	W-RTC	S	45.00	1.00	N	0.00	0.00	0.00	1	5
2	setto	F	N	25.00		N	0.00	0.00	0.00	2	8

Elenco elementi bidimensionali

Simbologia

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

Bid.	Tb	FF	Dy1 <cm>	Dy2 <cm>	Kt <daN/cm>	NN
103	233	0.00	0.00		-48 -76 -679 -678	
103	233	0.00	0.00		-678 -679 -683 -682	
103	233	0.00	0.00		-686 -687 -691 -690	
103	233	0.00	0.00		-694 -695 -707 -706	
103	233	0.00	0.00		-76 -105 -680 -679	
103	233	0.00	0.00		-683 -684 -688 -687	
103	233	0.00	0.00		-691 -692 -1434 -1432	
103	233	0.00	0.00		-707 -708 -715 -714	
103	233	0.00	0.00		-680 -681 -685 -684	
103	233	0.00	0.00		-688 -689 -693 -692	
103	233	0.00	0.00		-696 -697 -709 -708	
103	233	0.00	0.00		-1433 -1432 -695 -694	
203	233	0.00	0.00		-714 -715 -720 -719	
203	233	0.00	0.00		-725 -726 -729 -728	
203	233	0.00	0.00		-720 -721 -727 -726	
203	233	0.00	0.00		-724 -725 -728 221	
203	233	0.00	0.00		-718 -719 -725 -724	
502	111	0.00	0.00	1.00	-1280 -1279 -1376 -1377	
502	111	0.00	0.00	1.00	-1279 -1278 -1375 -1376	
502	111	0.00	0.00	1.00	-1332 -1331 -1370 -1371	
502	111	0.00	0.00	1.00	-1334 -1333 -1372 -1373	
502	111	0.00	0.00	1.00	-1365 -1336 -1335 -1364	
502	111	0.00	0.00	1.00	-1367 -1338 -1337 -1366	
502	111	0.00	0.00	1.00	-1329 16 -656 -1368	
502	111	0.00	0.00	1.00	-1326 -1285 -1284 -1327	
502	111	0.00	0.00	1.00	-1362 -1328 16 -1329	
502	111	0.00	0.00	1.00	-1360 -1361 -1330 -1331	
502	111	0.00	0.00	1.00	-1358 -1359 -1332 -1333	
502	111	0.00	0.00	1.00	-1335 -1357 -1334 15	
502	111	0.00	0.00	1.00	-1355 -1356 -1362 -1361	
502	111	0.00	0.00	1.00	-1353 -1354 -1360 -1359	
502	111	0.00	0.00	1.00	-1351 -1352 -1358 -1357	
502	111	0.00	0.00	1.00	-1350 -1326 -1327 -1356	

Bid.	Tb	FF	Dy1 <cm>	Dy2 <cm>	Kt <daN/cm>	NN
103	233	0.00	0.00		-1434 -1435 -697 -696	
103	233	0.00	0.00		-682 -683 -687 -686	
103	233	0.00	0.00		-690 -691 -1432 -1433	
103	233	0.00	0.00		-706 -707 -714 120	
103	233	0.00	0.00		-679 -680 -684 -683	
103	233	0.00	0.00		-687 -688 -692 -691	
103	233	0.00	0.00		-695 -696 -708 -707	
103	233	0.00	0.00		-105 -134 -681 -680	
103	233	0.00	0.00		-684 -685 -689 -688	
103	233	0.00	0.00		-692 -693 -1435 -1434	
103	233	0.00	0.00		-708 -709 121 -715	
103	233	0.00	0.00		-1432 -1434 -696 -695	
203	233	0.00	0.00		-719 -720 -726 -725	
203	233	0.00	0.00		-715 121 -721 -720	
203	233	0.00	0.00		-726 -727 222 -729	
203	233	0.00	0.00		120 -714 -719 -718	
502	111	0.00	0.00	1.00	-1281 -1280 -1377 -1378	
502	111	0.00	0.00	1.00	-1278 -1277 -1374 -1375	
502	111	0.00	0.00	1.00	-1331 -1330 -1369 -1370	
502	111	0.00	0.00	1.00	-1333 -1332 -1371 -1372	
502	111	0.00	0.00	1.00	-1364 -1335 15 -625	
502	111	0.00	0.00	1.00	-1366 -1337 -1336 -1365	
502	111	0.00	0.00	1.00	-1282 -1281 -1378 -1379	
502	111	0.00	0.00	1.00	-1330 -1329 -1368 -1369	
502	111	0.00	0.00	1.00	-1325 -1286 -1285 -1326	
502	111	0.00	0.00	1.00	-1361 -1362 -1329 -1330	
502	111	0.00	0.00	1.00	-1359 -1360 -1331 -1332	
502	111	0.00	0.00	1.00	-1357 -1358 -1333 -1334	
502	111	0.00	0.00	1.00	-1356 -1327 -1328 -1362	
502	111	0.00	0.00	1.00	-1354 -1355 -1361 -1360	
502	111	0.00	0.00	1.00	-1352 -1353 -1359 -1358	
502	111	0.00	0.00	1.00	-1336 -1351 -1357 -1335	
502	111	0.00	0.00	1.00	-1349 -1350 -1356 -1355	

Relazione di calcolo

502	1	11	0.00	0.00	1.00	-1348	-1349	-1355	-1354	502	1	11	0.00	0.00	1.00	-1347	-1348	-1354	-1353
502	1	11	0.00	0.00	1.00	-1346	-1347	-1353	-1352	502	1	11	0.00	0.00	1.00	-1345	-1346	-1352	-1351
502	1	11	0.00	0.00	1.00	-1337	-1345	-1351	-1336	502	1	11	0.00	0.00	1.00	-1344	-1325	-1326	-1350
502	1	11	0.00	0.00	1.00	-1343	-1344	-1350	-1349	502	1	11	0.00	0.00	1.00	-1342	-1343	-1349	-1348
502	1	11	0.00	0.00	1.00	-1341	-1342	-1348	-1347	502	1	11	0.00	0.00	1.00	-1340	-1341	-1347	-1346
502	1	11	0.00	0.00	1.00	-1339	-1340	-1346	-1345	502	1	11	0.00	0.00	1.00	-1338	-1339	-1345	-1337
502	1	11	0.00	0.00	1.00	-1312	-460	-1325	-1344	502	1	11	0.00	0.00	1.00	-1313	-1312	-1344	-1343
502	1	11	0.00	0.00	1.00	-1314	-1313	-1343	-1342	502	1	11	0.00	0.00	1.00	-1315	-1314	-1342	-1341
502	1	11	0.00	0.00	1.00	-1316	-1315	-1341	-1340	502	1	11	0.00	0.00	1.00	-1317	-1316	-1340	-1339
502	1	11	0.00	0.00	1.00	-1324	-1311	-460	-1312	502	1	11	0.00	0.00	1.00	-1323	-1324	-1312	-1313
502	1	11	0.00	0.00	1.00	-1322	-1323	-1313	-1314	502	1	11	0.00	0.00	1.00	-1321	-1322	-1314	-1315
502	1	11	0.00	0.00	1.00	-1320	-1321	-1315	-1316	502	1	11	0.00	0.00	1.00	-1319	-1320	-1316	-1317
502	1	11	0.00	0.00	1.00	-1318	-1319	-1317	12	502	1	11	0.00	0.00	1.00	-1363	-1318	12	30
502	1	11	0.00	0.00	1.00	-1328	-1283	-631	16	502	1	11	0.00	0.00	1.00	-1327	-1284	-1283	-1328
502	1	11	0.00	0.00	1.00	-1030	-1029	-1322	-1321	502	1	11	0.00	0.00	1.00	-1031	-1030	-1321	-1320
502	1	11	0.00	0.00	1.00	-1032	-1031	-1320	-1319	502	1	11	0.00	0.00	1.00	-1310	-1236	17	-1277
502	1	11	0.00	0.00	1.00	-1309	-1310	-1277	-1278	502	1	11	0.00	0.00	1.00	-1308	-1309	-1278	-1279
502	1	11	0.00	0.00	1.00	-1307	-1308	-1279	-1280	502	1	11	0.00	0.00	1.00	-1306	-1307	-1280	-1281
502	1	11	0.00	0.00	1.00	-1305	-1306	-1281	-1282	502	1	11	0.00	0.00	1.00	-1283	-1305	-1282	-631
502	1	11	0.00	0.00	1.00	-1304	-1237	-1236	-1310	502	1	11	0.00	0.00	1.00	-1303	-1304	-1310	-1309
502	1	11	0.00	0.00	1.00	-1302	-1303	-1309	-1308	502	1	11	0.00	0.00	1.00	-1301	-1302	-1308	-1307
502	1	11	0.00	0.00	1.00	-1300	-1301	-1307	-1306	502	1	11	0.00	0.00	1.00	-1299	-1300	-1306	-1305
502	1	11	0.00	0.00	1.00	-1284	-1299	-1305	-1283	502	1	11	0.00	0.00	1.00	-1298	-1238	-1237	-1304
502	1	11	0.00	0.00	1.00	-1297	-1298	-1304	-1303	502	1	11	0.00	0.00	1.00	-1296	-1297	-1303	-1302
502	1	11	0.00	0.00	1.00	-1295	-1296	-1302	-1301	502	1	11	0.00	0.00	1.00	-1294	-1295	-1301	-1300
502	1	11	0.00	0.00	1.00	-1293	-1294	-1300	-1299	502	1	11	0.00	0.00	1.00	-1285	-1293	-1299	-1284
502	1	11	0.00	0.00	1.00	-1292	-1239	-1238	-1298	502	1	11	0.00	0.00	1.00	-1291	-1292	-1298	-1297
502	1	11	0.00	0.00	1.00	-1290	-1291	-1297	-1296	502	1	11	0.00	0.00	1.00	-1289	-1290	-1296	-1295
502	1	11	0.00	0.00	1.00	-1288	-1289	-1295	-1294	502	1	11	0.00	0.00	1.00	-1287	-1288	-1294	-1293
502	1	11	0.00	0.00	1.00	-1286	-1287	-1293	-1285	502	1	11	0.00	0.00	1.00	-1264	14	-1239	-1292
502	1	11	0.00	0.00	1.00	-1265	-1264	-1292	-1291	502	1	11	0.00	0.00	1.00	-1266	-1265	-1291	-1290
502	1	11	0.00	0.00	1.00	-1267	-1266	-1290	-1289	502	1	11	0.00	0.00	1.00	-1268	-1267	-1289	-1288
502	1	11	0.00	0.00	1.00	-1269	-1268	-1288	-1287	502	1	11	0.00	0.00	1.00	-1276	-1223	14	-1264
502	1	11	0.00	0.00	1.00	-1275	-1276	-1264	-1265	502	1	11	0.00	0.00	1.00	-1274	-1275	-1265	-1266
502	1	11	0.00	0.00	1.00	-1273	-1274	-1266	-1267	502	1	11	0.00	0.00	1.00	-1272	-1273	-1267	-1268
502	1	11	0.00	0.00	1.00	-1271	-1272	-1268	-1269	502	1	11	0.00	0.00	1.00	-1270	-1271	-1269	13
502	1	11	0.00	0.00	1.00	-1063	-413	-1223	-1276	502	1	11	0.00	0.00	1.00	-1064	-1063	-1276	-1275
502	1	11	0.00	0.00	1.00	-1065	-1064	-1275	-1274	502	1	11	0.00	0.00	1.00	-1066	-1065	-1274	-1273
502	1	11	0.00	0.00	1.00	-1067	-1066	-1273	-1272	502	1	11	0.00	0.00	1.00	-1068	-1067	-1272	-1271
502	1	11	0.00	0.00	1.00	-1263	-1189	18	-1230	502	1	11	0.00	0.00	1.00	-1262	-1263	-1230	-1231
502	1	11	0.00	0.00	1.00	-1261	-1262	-1231	-1232	502	1	11	0.00	0.00	1.00	-1260	-1261	-1232	-1233
502	1	11	0.00	0.00	1.00	-1259	-1260	-1233	-1234	502	1	11	0.00	0.00	1.00	-1258	-1259	-1234	-1235
502	1	11	0.00	0.00	1.00	-1236	-1258	-1235	17	502	1	11	0.00	0.00	1.00	-1257	-1190	-1189	-1263
502	1	11	0.00	0.00	1.00	-1256	-1257	-1263	-1262	502	1	11	0.00	0.00	1.00	-1255	-1256	-1262	-1261
502	1	11	0.00	0.00	1.00	-1254	-1255	-1261	-1260	502	1	11	0.00	0.00	1.00	-1253	-1254	-1260	-1259
502	1	11	0.00	0.00	1.00	-1252	-1253	-1259	-1258	502	1	11	0.00	0.00	1.00	-1237	-1252	-1258	-1236
502	1	11	0.00	0.00	1.00	-1251	-1191	-1190	-1257	502	1	11	0.00	0.00	1.00	-1250	-1251	-1257	-1256
502	1	11	0.00	0.00	1.00	-1249	-1250	-1256	-1255	502	1	11	0.00	0.00	1.00	-1248	-1249	-1255	-1254
502	1	11	0.00	0.00	1.00	-1247	-1248	-1254	-1253	502	1	11	0.00	0.00	1.00	-1246	-1247	-1253	-1252
502	1	11	0.00	0.00	1.00	-1238	-1246	-1252	-1237	502	1	11	0.00	0.00	1.00	-1245	-1192	-1191	-1251
502	1	11	0.00	0.00	1.00	-1244	-1245	-1251	-1250	502	1	11	0.00	0.00	1.00	-1243	-1244	-1250	-1249
502	1	11	0.00	0.00	1.00	-1242	-1243	-1249	-1248	502	1	11	0.00	0.00	1.00	-1241	-1242	-1248	-1247
502	1	11	0.00	0.00	1.00	-1240	-1241	-1247	-1246	502	1	11	0.00	0.00	1.00	-1239	-1240	-1246	-1238

Relazione di calcolo

502	1	11	0.00	0.00	1.00	-1217	-472	-1192	-1245	502	1	11	0.00	0.00	1.00	-1218	-1217	-1245	-1244
502	1	11	0.00	0.00	1.00	-1219	-1218	-1244	-1243	502	1	11	0.00	0.00	1.00	-1220	-1219	-1243	-1242
502	1	11	0.00	0.00	1.00	-1221	-1220	-1242	-1241	502	1	11	0.00	0.00	1.00	-1222	-1221	-1241	-1240
502	1	11	0.00	0.00	1.00	-1229	-1175	-472	-1217	502	1	11	0.00	0.00	1.00	-1228	-1229	-1217	-1218
502	1	11	0.00	0.00	1.00	-1227	-1228	-1218	-1219	502	1	11	0.00	0.00	1.00	-1226	-1227	-1219	-1220
502	1	11	0.00	0.00	1.00	-1225	-1226	-1220	-1221	502	1	11	0.00	0.00	1.00	-1224	-1225	-1221	-1222
502	1	11	0.00	0.00	1.00	-1027	-405	-1311	-1324	502	1	11	0.00	0.00	1.00	-1028	-1027	-1324	-1323
502	1	11	0.00	0.00	1.00	-1029	-1028	-1323	-1322	502	1	11	0.00	0.00	1.00	-1098	-1097	-1228	-1227
502	1	11	0.00	0.00	1.00	-1099	-1098	-1227	-1226	502	1	11	0.00	0.00	1.00	-1100	-1099	-1226	-1225
502	1	11	0.00	0.00	1.00	-1101	-1100	-1225	-1224	502	1	11	0.00	0.00	1.00	-1216	-1164	19	-1183
502	1	11	0.00	0.00	1.00	-1215	-1216	-1183	-1184	502	1	11	0.00	0.00	1.00	-1214	-1215	-1184	-1185
502	1	11	0.00	0.00	1.00	-1213	-1214	-1185	-1186	502	1	11	0.00	0.00	1.00	-1212	-1213	-1186	-1187
502	1	11	0.00	0.00	1.00	-1211	-1212	-1187	-1188	502	1	11	0.00	0.00	1.00	-1189	-1211	-1188	18
502	1	11	0.00	0.00	1.00	-1210	-1165	-1164	-1216	502	1	11	0.00	0.00	1.00	-1209	-1210	-1216	-1215
502	1	11	0.00	0.00	1.00	-1208	-1209	-1215	-1214	502	1	11	0.00	0.00	1.00	-1207	-1208	-1214	-1213
502	1	11	0.00	0.00	1.00	-1206	-1207	-1213	-1212	502	1	11	0.00	0.00	1.00	-1205	-1206	-1212	-1211
502	1	11	0.00	0.00	1.00	-1190	-1205	-1211	-1189	502	1	11	0.00	0.00	1.00	-1204	-1166	-1165	-1210
502	1	11	0.00	0.00	1.00	-1203	-1204	-1210	-1209	502	1	11	0.00	0.00	1.00	-1202	-1203	-1209	-1208
502	1	11	0.00	0.00	1.00	-1201	-1202	-1208	-1207	502	1	11	0.00	0.00	1.00	-1200	-1201	-1207	-1206
502	1	11	0.00	0.00	1.00	-1199	-1200	-1206	-1205	502	1	11	0.00	0.00	1.00	-1191	-1199	-1205	-1190
502	1	11	0.00	0.00	1.00	-1198	-1167	-1166	-1204	502	1	11	0.00	0.00	1.00	-1197	-1198	-1204	-1203
502	1	11	0.00	0.00	1.00	-1196	-1197	-1203	-1202	502	1	11	0.00	0.00	1.00	-1195	-1196	-1202	-1201
502	1	11	0.00	0.00	1.00	-1194	-1195	-1201	-1200	502	1	11	0.00	0.00	1.00	-1193	-1194	-1200	-1199
502	1	11	0.00	0.00	1.00	-1192	-1193	-1199	-1191	502	1	11	0.00	0.00	1.00	-1169	-478	-1167	-1198
502	1	11	0.00	0.00	1.00	-1170	-1169	-1198	-1197	502	1	11	0.00	0.00	1.00	-1171	-1170	-1197	-1196
502	1	11	0.00	0.00	1.00	-1172	-1171	-1196	-1195	502	1	11	0.00	0.00	1.00	-1173	-1172	-1195	-1194
502	1	11	0.00	0.00	1.00	-1174	-1173	-1194	-1193	502	1	11	0.00	0.00	1.00	-1168	-1182	-479	-478
502	1	11	0.00	0.00	1.00	-1181	-1168	-478	-1169	502	1	11	0.00	0.00	1.00	-1180	-1181	-1169	-1170
502	1	11	0.00	0.00	1.00	-1179	-1180	-1170	-1171	502	1	11	0.00	0.00	1.00	-1178	-1179	-1171	-1172
502	1	11	0.00	0.00	1.00	-1177	-1178	-1172	-1173	502	1	11	0.00	0.00	1.00	-1176	-1177	-1173	-1174
502	1	11	0.00	0.00	1.00	-1175	-1176	-1174	-472	502	1	11	0.00	0.00	1.00	-1129	11	-1168	-1181
502	1	11	0.00	0.00	1.00	-1130	-1129	-1181	-1180	502	1	11	0.00	0.00	1.00	-1131	-1130	-1180	-1179
502	1	11	0.00	0.00	1.00	-1132	-1131	-1179	-1178	502	1	11	0.00	0.00	1.00	-1133	-1132	-1178	-1177
502	1	11	0.00	0.00	1.00	-1134	-1133	-1177	-1176	502	1	11	0.00	0.00	1.00	-1164	-1163	-648	19
502	1	11	0.00	0.00	1.00	-1165	-1162	-1163	-1164	502	1	11	0.00	0.00	1.00	-1166	-1161	-1162	-1165
502	1	11	0.00	0.00	1.00	-1167	-1160	-1161	-1166	502	1	11	0.00	0.00	1.00	-981	-1159	-284	6
502	1	11	0.00	0.00	1.00	-980	-1158	-1159	-981	502	1	11	0.00	0.00	1.00	-979	-1157	-1158	-980
502	1	11	0.00	0.00	1.00	-978	-1156	-1157	-979	502	1	11	0.00	0.00	1.00	-1128	-1155	-424	11
502	1	11	0.00	0.00	1.00	-1127	-1154	-1155	-1128	502	1	11	0.00	0.00	1.00	-1126	-1153	-1154	-1127
502	1	11	0.00	0.00	1.00	-1152	-1128	11	-1129	502	1	11	0.00	0.00	1.00	-1151	-1152	-1129	-1130
502	1	11	0.00	0.00	1.00	-1150	-1151	-1130	-1131	502	1	11	0.00	0.00	1.00	-1149	-1150	-1131	-1132
502	1	11	0.00	0.00	1.00	-1148	-1149	-1132	-1133	502	1	11	0.00	0.00	1.00	-1147	-1148	-1133	-1134
502	1	11	0.00	0.00	1.00	-1095	-1147	-1134	10	502	1	11	0.00	0.00	1.00	-1146	-1127	-1128	-1152
502	1	11	0.00	0.00	1.00	-1145	-1146	-1152	-1151	502	1	11	0.00	0.00	1.00	-1144	-1145	-1151	-1150
502	1	11	0.00	0.00	1.00	-1143	-1144	-1150	-1149	502	1	11	0.00	0.00	1.00	-1142	-1143	-1149	-1148
502	1	11	0.00	0.00	1.00	-1141	-1142	-1148	-1147	502	1	11	0.00	0.00	1.00	-1094	-1141	-1147	-1095
502	1	11	0.00	0.00	1.00	-1140	-1126	-1127	-1146	502	1	11	0.00	0.00	1.00	-1139	-1140	-1146	-1145
502	1	11	0.00	0.00	1.00	-1138	-1139	-1145	-1144	502	1	11	0.00	0.00	1.00	-1137	-1138	-1144	-1143
502	1	11	0.00	0.00	1.00	-1136	-1137	-1143	-1142	502	1	11	0.00	0.00	1.00	-1135	-1136	-1142	-1141
502	1	11	0.00	0.00	1.00	-1093	-1135	-1141	-1094	502	1	11	0.00	0.00	1.00	-1125	-338	-1126	-1140
502	1	11	0.00	0.00	1.00	-1124	-1125	-1140	-1139	502	1	11	0.00	0.00	1.00	-1123	-1124	-1139	-1138
502	1	11	0.00	0.00	1.00	-1122	-1123	-1138	-1137	502	1	11	0.00	0.00	1.00	-1121	-1122	-1137	-1136
502	1	11	0.00	0.00	1.00	-1120	-1121	-1136	-1135	502	1	11	0.00	0.00	1.00	-1119	-1095	10	-1096

Relazione di calcolo

502	1	11	0.00	0.00	1.00	-1118	-1119	-1096	-1097	502	1	11	0.00	0.00	1.00	-1117	-1118	-1097	-1098
502	1	11	0.00	0.00	1.00	-1116	-1117	-1098	-1099	502	1	11	0.00	0.00	1.00	-1115	-1116	-1099	-1100
502	1	11	0.00	0.00	1.00	-1114	-1115	-1100	-1101	502	1	11	0.00	0.00	1.00	-1062	-1114	-1101	-413
502	1	11	0.00	0.00	1.00	-1113	-1094	-1095	-1119	502	1	11	0.00	0.00	1.00	-1112	-1113	-1119	-1118
502	1	11	0.00	0.00	1.00	-1111	-1112	-1118	-1117	502	1	11	0.00	0.00	1.00	-1110	-1111	-1117	-1116
502	1	11	0.00	0.00	1.00	-1109	-1110	-1116	-1115	502	1	11	0.00	0.00	1.00	-1108	-1109	-1115	-1114
502	1	11	0.00	0.00	1.00	-1061	-1108	-1114	-1062	502	1	11	0.00	0.00	1.00	-1107	-1093	-1094	-1113
502	1	11	0.00	0.00	1.00	-1106	-1107	-1113	-1112	502	1	11	0.00	0.00	1.00	-1105	-1106	-1112	-1111
502	1	11	0.00	0.00	1.00	-1104	-1105	-1111	-1110	502	1	11	0.00	0.00	1.00	-1103	-1104	-1110	-1109
502	1	11	0.00	0.00	1.00	-1102	-1103	-1109	-1108	502	1	11	0.00	0.00	1.00	-1060	-1102	-1108	-1061
502	1	11	0.00	0.00	1.00	-1092	-332	-1093	-1107	502	1	11	0.00	0.00	1.00	-1091	-1092	-1107	-1106
502	1	11	0.00	0.00	1.00	-1090	-1091	-1106	-1105	502	1	11	0.00	0.00	1.00	-1089	-1090	-1105	-1104
502	1	11	0.00	0.00	1.00	-1088	-1089	-1104	-1103	502	1	11	0.00	0.00	1.00	-1087	-1088	-1103	-1102
502	1	11	0.00	0.00	1.00	-1086	-1062	-413	-1063	502	1	11	0.00	0.00	1.00	-1085	-1086	-1063	-1064
502	1	11	0.00	0.00	1.00	-1084	-1085	-1064	-1065	502	1	11	0.00	0.00	1.00	-1083	-1084	-1065	-1066
502	1	11	0.00	0.00	1.00	-1082	-1083	-1066	-1067	502	1	11	0.00	0.00	1.00	-1081	-1082	-1067	-1068
502	1	11	0.00	0.00	1.00	-1053	-1081	-1068	-406	502	1	11	0.00	0.00	1.00	-1080	-1061	-1062	-1086
502	1	11	0.00	0.00	1.00	-1079	-1080	-1086	-1085	502	1	11	0.00	0.00	1.00	-1078	-1079	-1085	-1084
502	1	11	0.00	0.00	1.00	-1077	-1078	-1084	-1083	502	1	11	0.00	0.00	1.00	-1076	-1077	-1083	-1082
502	1	11	0.00	0.00	1.00	-1075	-1076	-1082	-1081	502	1	11	0.00	0.00	1.00	-1052	-1075	-1081	-1053
502	1	11	0.00	0.00	1.00	-1074	-1060	-1061	-1080	502	1	11	0.00	0.00	1.00	-1073	-1074	-1080	-1079
502	1	11	0.00	0.00	1.00	-1072	-1073	-1079	-1078	502	1	11	0.00	0.00	1.00	-1071	-1072	-1078	-1077
502	1	11	0.00	0.00	1.00	-1070	-1071	-1077	-1076	502	1	11	0.00	0.00	1.00	-1069	-1070	-1076	-1075
502	1	11	0.00	0.00	1.00	-1051	-1069	-1075	-1052	502	1	11	0.00	0.00	1.00	-1059	9	-1060	-1074
502	1	11	0.00	0.00	1.00	-1058	-1059	-1074	-1073	502	1	11	0.00	0.00	1.00	-1057	-1058	-1073	-1072
502	1	11	0.00	0.00	1.00	-1056	-1057	-1072	-1071	502	1	11	0.00	0.00	1.00	-1055	-1056	-1071	-1070
502	1	11	0.00	0.00	1.00	-1054	-1055	-1070	-1069	502	1	11	0.00	0.00	1.00	-1026	-1053	-406	-405
502	1	11	0.00	0.00	1.00	-1025	-1052	-1053	-1026	502	1	11	0.00	0.00	1.00	-1024	-1051	-1052	-1025
502	1	11	0.00	0.00	1.00	-1050	-1026	-405	-1027	502	1	11	0.00	0.00	1.00	-1049	-1050	-1027	-1028
502	1	11	0.00	0.00	1.00	-1048	-1049	-1028	-1029	502	1	11	0.00	0.00	1.00	-1047	-1048	-1029	-1030
502	1	11	0.00	0.00	1.00	-1046	-1047	-1030	-1031	502	1	11	0.00	0.00	1.00	-1045	-1046	-1031	-1032
502	1	11	0.00	0.00	1.00	-1014	-1045	-1032	-399	502	1	11	0.00	0.00	1.00	-1044	-1025	-1026	-1050
502	1	11	0.00	0.00	1.00	-1043	-1044	-1050	-1049	502	1	11	0.00	0.00	1.00	-1042	-1043	-1049	-1048
502	1	11	0.00	0.00	1.00	-1041	-1042	-1048	-1047	502	1	11	0.00	0.00	1.00	-1040	-1041	-1047	-1046
502	1	11	0.00	0.00	1.00	-1039	-1040	-1046	-1045	502	1	11	0.00	0.00	1.00	-1013	-1039	-1045	-1014
502	1	11	0.00	0.00	1.00	-1038	-1024	-1025	-1044	502	1	11	0.00	0.00	1.00	-1037	-1038	-1044	-1043
502	1	11	0.00	0.00	1.00	-1036	-1037	-1043	-1042	502	1	11	0.00	0.00	1.00	-1035	-1036	-1042	-1041
502	1	11	0.00	0.00	1.00	-1034	-1035	-1041	-1040	502	1	11	0.00	0.00	1.00	-1033	-1034	-1040	-1039
502	1	11	0.00	0.00	1.00	-1012	-1033	-1039	-1013	502	1	11	0.00	0.00	1.00	-1023	-320	-1024	-1038
502	1	11	0.00	0.00	1.00	-1022	-1023	-1038	-1037	502	1	11	0.00	0.00	1.00	-1021	-1022	-1037	-1036
502	1	11	0.00	0.00	1.00	-1020	-1021	-1036	-1035	502	1	11	0.00	0.00	1.00	-1019	-1020	-1035	-1034
502	1	11	0.00	0.00	1.00	-1018	-1019	-1034	-1033	502	1	11	0.00	0.00	1.00	-1015	-1014	-399	-398
502	1	11	0.00	0.00	1.00	-1016	-1013	-1014	-1015	502	1	11	0.00	0.00	1.00	-1017	-1012	-1013	-1016
502	1	11	0.00	0.00	1.00	-1011	-981	6	-982	502	1	11	0.00	0.00	1.00	-1010	-1011	-982	-983
502	1	11	0.00	0.00	1.00	-1009	-1010	-983	-984	502	1	11	0.00	0.00	1.00	-1008	-1009	-984	-985
502	1	11	0.00	0.00	1.00	-1007	-1008	-985	-986	502	1	11	0.00	0.00	1.00	-1006	-1007	-986	-987
502	1	11	0.00	0.00	1.00	-1223	-1224	-1222	14	502	1	11	0.00	0.00	1.00	-1096	10	-1175	-1229
502	1	11	0.00	0.00	1.00	-1097	-1096	-1229	-1228	502	1	11	0.00	0.00	1.00	-1003	-1004	-1010	-1009
502	1	11	0.00	0.00	1.00	-1002	-1003	-1009	-1008	502	1	11	0.00	0.00	1.00	-1001	-1002	-1008	-1007
502	1	11	0.00	0.00	1.00	-1000	-1001	-1007	-1006	502	1	11	0.00	0.00	1.00	-946	-1000	-1006	-947
502	1	11	0.00	0.00	1.00	-999	-979	-980	-1005	502	1	11	0.00	0.00	1.00	-998	-999	-1005	-1004
502	1	11	0.00	0.00	1.00	-997	-998	-1004	-1003	502	1	11	0.00	0.00	1.00	-996	-997	-1003	-1002
502	1	11	0.00	0.00	1.00	-995	-996	-1002	-1001	502	1	11	0.00	0.00	1.00	-994	-995	-1001	-1000

Relazione di calcolo

502	1	11	0.00	0.00	1.00	-945	-994	-1000	-946	502	1	11	0.00	0.00	1.00	-993	-978	-979	-999
502	1	11	0.00	0.00	1.00	-992	-993	-999	-998	502	1	11	0.00	0.00	1.00	-991	-992	-998	-997
502	1	11	0.00	0.00	1.00	-990	-991	-997	-996	502	1	11	0.00	0.00	1.00	-989	-990	-996	-995
502	1	11	0.00	0.00	1.00	-988	-989	-995	-994	502	1	11	0.00	0.00	1.00	-944	-988	-994	-945
502	1	11	0.00	0.00	1.00	-798	-140	-978	-993	502	1	11	0.00	0.00	1.00	-799	-798	-993	-992
502	1	11	0.00	0.00	1.00	-800	-799	-992	-991	502	1	11	0.00	0.00	1.00	-801	-800	-991	-990
502	1	11	0.00	0.00	1.00	-802	-801	-990	-989	502	1	11	0.00	0.00	1.00	-803	-802	-989	-988
502	1	11	0.00	0.00	1.00	-977	-947	5	-948	502	1	11	0.00	0.00	1.00	-976	-977	-948	-949
502	1	11	0.00	0.00	1.00	-975	-976	-949	-950	502	1	11	0.00	0.00	1.00	-974	-975	-950	-951
502	1	11	0.00	0.00	1.00	-973	-974	-951	-952	502	1	11	0.00	0.00	1.00	-972	-973	-952	-953
502	1	11	0.00	0.00	1.00	-913	-972	-953	-273	502	1	11	0.00	0.00	1.00	-971	-946	-947	-977
502	1	11	0.00	0.00	1.00	-970	-971	-977	-976	502	1	11	0.00	0.00	1.00	-969	-970	-976	-975
502	1	11	0.00	0.00	1.00	-968	-969	-975	-974	502	1	11	0.00	0.00	1.00	-967	-968	-974	-973
502	1	11	0.00	0.00	1.00	-966	-967	-973	-972	502	1	11	0.00	0.00	1.00	-912	-966	-972	-913
502	1	11	0.00	0.00	1.00	-965	-945	-946	-971	502	1	11	0.00	0.00	1.00	-964	-965	-971	-970
502	1	11	0.00	0.00	1.00	-963	-964	-970	-969	502	1	11	0.00	0.00	1.00	-962	-963	-969	-968
502	1	11	0.00	0.00	1.00	-961	-962	-968	-967	502	1	11	0.00	0.00	1.00	-960	-961	-967	-966
502	1	11	0.00	0.00	1.00	-911	-960	-966	-912	502	1	11	0.00	0.00	1.00	-959	-944	-945	-965
502	1	11	0.00	0.00	1.00	-958	-959	-965	-964	502	1	11	0.00	0.00	1.00	-957	-958	-964	-963
502	1	11	0.00	0.00	1.00	-956	-957	-963	-962	502	1	11	0.00	0.00	1.00	-955	-956	-962	-961
502	1	11	0.00	0.00	1.00	-954	-955	-961	-960	502	1	11	0.00	0.00	1.00	-910	-954	-960	-911
502	1	11	0.00	0.00	1.00	-750	-134	-944	-959	502	1	11	0.00	0.00	1.00	-751	-750	-959	-958
502	1	11	0.00	0.00	1.00	-752	-751	-958	-957	502	1	11	0.00	0.00	1.00	-753	-752	-957	-956
502	1	11	0.00	0.00	1.00	-754	-753	-956	-955	502	1	11	0.00	0.00	1.00	-755	-754	-955	-954
502	1	11	0.00	0.00	1.00	-943	-913	-273	-914	502	1	11	0.00	0.00	1.00	-942	-943	-914	-915
502	1	11	0.00	0.00	1.00	-941	-942	-915	-916	502	1	11	0.00	0.00	1.00	-940	-941	-916	-917
502	1	11	0.00	0.00	1.00	-939	-940	-917	-918	502	1	11	0.00	0.00	1.00	-938	-939	-918	-919
502	1	11	0.00	0.00	1.00	-909	-938	-919	-266	502	1	11	0.00	0.00	1.00	-937	-912	-913	-943
502	1	11	0.00	0.00	1.00	-936	-937	-943	-942	502	1	11	0.00	0.00	1.00	-935	-936	-942	-941
502	1	11	0.00	0.00	1.00	-934	-935	-941	-940	502	1	11	0.00	0.00	1.00	-933	-934	-940	-939
502	1	11	0.00	0.00	1.00	-932	-933	-939	-938	502	1	11	0.00	0.00	1.00	-908	-932	-938	-909
502	1	11	0.00	0.00	1.00	-931	-911	-912	-937	502	1	11	0.00	0.00	1.00	-930	-931	-937	-936
502	1	11	0.00	0.00	1.00	-929	-930	-936	-935	502	1	11	0.00	0.00	1.00	-928	-929	-935	-934
502	1	11	0.00	0.00	1.00	-927	-928	-934	-933	502	1	11	0.00	0.00	1.00	-926	-927	-933	-932
502	1	11	0.00	0.00	1.00	-907	-926	-932	-908	502	1	11	0.00	0.00	1.00	-925	-910	-911	-931
502	1	11	0.00	0.00	1.00	-924	-925	-931	-930	502	1	11	0.00	0.00	1.00	-923	-924	-930	-929
502	1	11	0.00	0.00	1.00	-922	-923	-929	-928	502	1	11	0.00	0.00	1.00	-921	-922	-928	-927
502	1	11	0.00	0.00	1.00	-920	-921	-927	-926	502	1	11	0.00	0.00	1.00	-906	-920	-926	-907
502	1	11	0.00	0.00	1.00	-828	-128	-910	-925	502	1	11	0.00	0.00	1.00	-829	-828	-925	-924
502	1	11	0.00	0.00	1.00	-830	-829	-924	-923	502	1	11	0.00	0.00	1.00	-831	-830	-923	-922
502	1	11	0.00	0.00	1.00	-832	-831	-922	-921	502	1	11	0.00	0.00	1.00	-833	-832	-921	-920
502	1	11	0.00	0.00	1.00	-875	-909	-266	-265	502	1	11	0.00	0.00	1.00	-874	-908	-909	-875
502	1	11	0.00	0.00	1.00	-873	-907	-908	-874	502	1	11	0.00	0.00	1.00	-872	-906	-907	-873
502	1	11	0.00	0.00	1.00	-905	-875	-265	-876	502	1	11	0.00	0.00	1.00	-904	-905	-876	-877
502	1	11	0.00	0.00	1.00	-903	-904	-877	-878	502	1	11	0.00	0.00	1.00	-902	-903	-878	-879
502	1	11	0.00	0.00	1.00	-901	-902	-879	-880	502	1	11	0.00	0.00	1.00	-900	-901	-880	-881
502	1	11	0.00	0.00	1.00	-867	-900	-881	-259	502	1	11	0.00	0.00	1.00	-899	-874	-875	-905
502	1	11	0.00	0.00	1.00	-898	-899	-905	-904	502	1	11	0.00	0.00	1.00	-897	-898	-904	-903
502	1	11	0.00	0.00	1.00	-896	-897	-903	-902	502	1	11	0.00	0.00	1.00	-895	-896	-902	-901
502	1	11	0.00	0.00	1.00	-894	-895	-901	-900	502	1	11	0.00	0.00	1.00	-866	-894	-900	-867
502	1	11	0.00	0.00	1.00	-893	-873	-874	-899	502	1	11	0.00	0.00	1.00	-892	-893	-899	-898
502	1	11	0.00	0.00	1.00	-891	-892	-898	-897	502	1	11	0.00	0.00	1.00	-890	-891	-897	-896
502	1	11	0.00	0.00	1.00	-889	-890	-896	-895	502	1	11	0.00	0.00	1.00	-888	-889	-895	-894

Relazione di calcolo

502	1	11	0.00	0.00	1.00	-865	-888	-894	-866	502	1	11	0.00	0.00	1.00	-887	-872	-873	-893
502	1	11	0.00	0.00	1.00	-886	-887	-893	-892	502	1	11	0.00	0.00	1.00	-885	-886	-892	-891
502	1	11	0.00	0.00	1.00	-884	-885	-891	-890	502	1	11	0.00	0.00	1.00	-883	-884	-890	-889
502	1	11	0.00	0.00	1.00	-882	-883	-889	-888	502	1	11	0.00	0.00	1.00	-864	-882	-888	-865
502	1	11	0.00	0.00	1.00	-840	-120	-872	-887	502	1	11	0.00	0.00	1.00	-841	-840	-887	-886
502	1	11	0.00	0.00	1.00	-842	-841	-886	-885	502	1	11	0.00	0.00	1.00	-843	-842	-885	-884
502	1	11	0.00	0.00	1.00	-844	-843	-884	-883	502	1	11	0.00	0.00	1.00	-845	-844	-883	-882
502	1	11	0.00	0.00	1.00	-868	-867	-259	-258	502	1	11	0.00	0.00	1.00	-869	-866	-867	-868
502	1	11	0.00	0.00	1.00	-870	-865	-866	-869	502	1	11	0.00	0.00	1.00	-871	-864	-865	-870
502	1	11	0.00	0.00	1.00	-863	-8	2	-857	502	1	11	0.00	0.00	1.00	-862	-863	-857	-856
502	1	11	0.00	0.00	1.00	-861	-862	-856	-855	502	1	11	0.00	0.00	1.00	-860	-861	-855	-854
502	1	11	0.00	0.00	1.00	-859	-860	-854	-853	502	1	11	0.00	0.00	1.00	-858	-859	-853	-852
502	1	11	0.00	0.00	1.00	-857	2	-62	-851	502	1	11	0.00	0.00	1.00	-856	-857	-851	-850
502	1	11	0.00	0.00	1.00	-855	-856	-850	-849	502	1	11	0.00	0.00	1.00	-854	-855	-849	-848
502	1	11	0.00	0.00	1.00	-853	-854	-848	-847	502	1	11	0.00	0.00	1.00	-852	-853	-847	-846
502	1	11	0.00	0.00	1.00	-851	-62	-91	-839	502	1	11	0.00	0.00	1.00	-850	-851	-839	-838
502	1	11	0.00	0.00	1.00	-849	-850	-838	-837	502	1	11	0.00	0.00	1.00	-848	-849	-837	-836
502	1	11	0.00	0.00	1.00	-847	-848	-836	-835	502	1	11	0.00	0.00	1.00	-846	-847	-835	-834
502	1	11	0.00	0.00	1.00	-839	-91	-120	-840	502	1	11	0.00	0.00	1.00	-838	-839	-840	-841
502	1	11	0.00	0.00	1.00	-837	-838	-841	-842	502	1	11	0.00	0.00	1.00	-836	-837	-842	-843
502	1	11	0.00	0.00	1.00	-835	-836	-843	-844	502	1	11	0.00	0.00	1.00	-834	-835	-844	-845
502	1	11	0.00	0.00	1.00	-822	-99	-128	-828	502	1	11	0.00	0.00	1.00	-823	-822	-828	-829
502	1	11	0.00	0.00	1.00	-824	-823	-829	-830	502	1	11	0.00	0.00	1.00	-825	-824	-830	-831
502	1	11	0.00	0.00	1.00	-826	-825	-831	-832	502	1	11	0.00	0.00	1.00	-827	-826	-832	-833
502	1	11	0.00	0.00	1.00	-816	-70	-99	-822	502	1	11	0.00	0.00	1.00	-817	-816	-822	-823
502	1	11	0.00	0.00	1.00	-818	-817	-823	-824	502	1	11	0.00	0.00	1.00	-819	-818	-824	-825
502	1	11	0.00	0.00	1.00	-820	-819	-825	-826	502	1	11	0.00	0.00	1.00	-821	-820	-826	-827
502	1	11	0.00	0.00	1.00	-810	3	-70	-816	502	1	11	0.00	0.00	1.00	-811	-810	-816	-817
502	1	11	0.00	0.00	1.00	-812	-811	-817	-818	502	1	11	0.00	0.00	1.00	-813	-812	-818	-819
502	1	11	0.00	0.00	1.00	-814	-813	-819	-820	502	1	11	0.00	0.00	1.00	-815	-814	-820	-821
502	1	11	0.00	0.00	1.00	-809	-16	3	-810	502	1	11	0.00	0.00	1.00	-808	-809	-810	-811
502	1	11	0.00	0.00	1.00	-807	-808	-811	-812	502	1	11	0.00	0.00	1.00	-806	-807	-812	-813
502	1	11	0.00	0.00	1.00	-805	-806	-813	-814	502	1	11	0.00	0.00	1.00	-804	-805	-814	-815
502	1	11	0.00	0.00	1.00	-792	-111	-140	-798	502	1	11	0.00	0.00	1.00	-793	-792	-798	-799
502	1	11	0.00	0.00	1.00	-794	-793	-799	-800	502	1	11	0.00	0.00	1.00	-795	-794	-800	-801
502	1	11	0.00	0.00	1.00	-796	-795	-801	-802	502	1	11	0.00	0.00	1.00	-797	-796	-802	-803
502	1	11	0.00	0.00	1.00	-786	-82	-111	-792	502	1	11	0.00	0.00	1.00	-787	-786	-792	-793
502	1	11	0.00	0.00	1.00	-788	-787	-793	-794	502	1	11	0.00	0.00	1.00	-789	-788	-794	-795
502	1	11	0.00	0.00	1.00	-790	-789	-795	-796	502	1	11	0.00	0.00	1.00	-791	-790	-796	-797
502	1	11	0.00	0.00	1.00	-780	4	-82	-786	502	1	11	0.00	0.00	1.00	-781	-780	-786	-787
502	1	11	0.00	0.00	1.00	-782	-781	-787	-788	502	1	11	0.00	0.00	1.00	-783	-782	-788	-789
502	1	11	0.00	0.00	1.00	-784	-783	-789	-790	502	1	11	0.00	0.00	1.00	-785	-784	-790	-791
502	1	11	0.00	0.00	1.00	-779	-28	4	-780	502	1	11	0.00	0.00	1.00	-778	-779	-780	-781
502	1	11	0.00	0.00	1.00	-777	-778	-781	-782	502	1	11	0.00	0.00	1.00	-776	-777	-782	-783
502	1	11	0.00	0.00	1.00	-775	-776	-783	-784	502	1	11	0.00	0.00	1.00	-774	-775	-784	-785
502	1	11	0.00	0.00	1.00	-773	-22	-48	-767	502	1	11	0.00	0.00	1.00	-772	-773	-767	-766
502	1	11	0.00	0.00	1.00	-771	-772	-766	-765	502	1	11	0.00	0.00	1.00	-770	-771	-765	-764
502	1	11	0.00	0.00	1.00	-769	-770	-764	-763	502	1	11	0.00	0.00	1.00	-768	-769	-763	-762
502	1	11	0.00	0.00	1.00	-767	-48	-76	-761	502	1	11	0.00	0.00	1.00	-766	-767	-761	-760
502	1	11	0.00	0.00	1.00	-765	-766	-760	-759	502	1	11	0.00	0.00	1.00	-764	-765	-759	-758
502	1	11	0.00	0.00	1.00	-763	-764	-758	-757	502	1	11	0.00	0.00	1.00	-762	-763	-757	-756
502	1	11	0.00	0.00	1.00	-761	-76	-105	-749	502	1	11	0.00	0.00	1.00	-760	-761	-749	-748
502	1	11	0.00	0.00	1.00	-759	-760	-748	-747	502	1	11	0.00	0.00	1.00	-758	-759	-747	-746

Relazione di calcolo

502	1	11	0.00	0.00	1.00	-757 -758 -746 -745	502	1	11	0.00	0.00	1.00	-756 -757 -745 -744
502	1	11	0.00	0.00	1.00	-749 -105 -134 -750	502	1	11	0.00	0.00	1.00	-748 -749 -750 -751
502	1	11	0.00	0.00	1.00	-747 -748 -751 -752	502	1	11	0.00	0.00	1.00	-746 -747 -752 -753
502	1	11	0.00	0.00	1.00	-745 -746 -753 -754	502	1	11	0.00	0.00	1.00	-744 -745 -754 -755
502	1	11	0.00	0.00	1.00	19 -648 -677 -676	502	1	11	0.00	0.00	1.00	18 -1188 -1391 -670
502	1	11	0.00	0.00	1.00	17 -1235 -1385 -664	502	1	11	0.00	0.00	1.00	-631 -1282 -1379 -657
502	1	11	0.00	0.00	1.00	16 -631 -657 -656	502	1	11	0.00	0.00	1.00	15 -1334 -1373 -650
502	1	11	0.00	0.00	1.00	-625 15 -650 -649	502	1	11	0.00	0.00	1.00	-478 -479 -1160 -1167
502	1	11	0.00	0.00	1.00	-472 -1174 -1193 -1192	502	1	11	0.00	0.00	1.00	14 -1222 -1240 -1239
502	1	11	0.00	0.00	1.00	13 -1269 -1287 -1286	502	1	11	0.00	0.00	1.00	-460 13 -1286 -1325
502	1	11	0.00	0.00	1.00	12 -1317 -1339 -1338	502	1	11	0.00	0.00	1.00	30 12 -1338 -1367
502	1	11	0.00	0.00	1.00	11 -424 -1182 -1168	502	1	11	0.00	0.00	1.00	10 -1134 -1176 -1175
502	1	11	0.00	0.00	1.00	-413 -1101 -1224 -1223	502	1	11	0.00	0.00	1.00	-406 -1068 -1271 -1270
502	1	11	0.00	0.00	1.00	-405 -406 -1270 -1311	502	1	11	0.00	0.00	1.00	-399 -1032 -1319 -1318
502	1	11	0.00	0.00	1.00	-398 -399 -1318 -1363	502	1	11	0.00	0.00	1.00	-338 -339 -1153 -1126
502	1	11	0.00	0.00	1.00	-332 -1120 -1135 -1093	502	1	11	0.00	0.00	1.00	9 -1087 -1102 -1060
502	1	11	0.00	0.00	1.00	8 -1054 -1069 -1051	502	1	11	0.00	0.00	1.00	-320 8 -1051 -1024
502	1	11	0.00	0.00	1.00	7 -1018 -1033 -1012	502	1	11	0.00	0.00	1.00	-314 7 -1012 -1017
502	1	11	0.00	0.00	1.00	6 -284 -1400 -1392	502	1	11	0.00	0.00	1.00	5 -987 -1394 -1393
502	1	11	0.00	0.00	1.00	-273 -953 -1402 -1401	502	1	11	0.00	0.00	1.00	-266 -919 -1409 -1408
502	1	11	0.00	0.00	1.00	-265 -266 -1408 -1415	502	1	11	0.00	0.00	1.00	-259 -881 -1417 -1416
502	1	11	0.00	0.00	1.00	-258 -259 -1416 -1423	502	1	11	0.00	0.00	1.00	-140 -141 -1156 -978
502	1	11	0.00	0.00	1.00	-134 -803 -988 -944	502	1	11	0.00	0.00	1.00	-128 -755 -954 -910
502	1	11	0.00	0.00	1.00	-121 -833 -920 -906	502	1	11	0.00	0.00	1.00	-120 -121 -906 -872
502	1	11	0.00	0.00	1.00	-114 -845 -882 -864	502	1	11	0.00	0.00	1.00	-113 -114 -864 -871
502	1	11	0.00	0.00	1.00	-111 -112 -141 -140	502	1	11	0.00	0.00	1.00	-105 -797 -803 -134
502	1	11	0.00	0.00	1.00	-99 -744 -755 -128	502	1	11	0.00	0.00	1.00	-92 -827 -833 -121
502	1	11	0.00	0.00	1.00	-91 -92 -121 -120	502	1	11	0.00	0.00	1.00	-85 -834 -845 -114
502	1	11	0.00	0.00	1.00	-84 -85 -114 -113	502	1	11	0.00	0.00	1.00	-82 -83 -112 -111
502	1	11	0.00	0.00	1.00	-76 -791 -797 -105	502	1	11	0.00	0.00	1.00	-70 -756 -744 -99
502	1	11	0.00	0.00	1.00	-63 -821 -827 -92	502	1	11	0.00	0.00	1.00	-62 -63 -92 -91
502	1	11	0.00	0.00	1.00	-56 -846 -834 -85	502	1	11	0.00	0.00	1.00	-55 -56 -85 -84
502	1	11	0.00	0.00	1.00	4 -54 -83 -82	502	1	11	0.00	0.00	1.00	-48 -785 -791 -76
502	1	11	0.00	0.00	1.00	3 -762 -756 -70	502	1	11	0.00	0.00	1.00	-36 -815 -821 -63
502	1	11	0.00	0.00	1.00	2 -36 -63 -62	502	1	11	0.00	0.00	1.00	1 -852 -846 -56
502	1	11	0.00	0.00	1.00	-30 1 -56 -55	502	1	11	0.00	0.00	1.00	-28 -29 -54 4
502	1	11	0.00	0.00	1.00	-22 -774 -785 -48	502	1	11	0.00	0.00	1.00	-16 -768 -762 3
502	1	11	0.00	0.00	1.00	-9 -804 -815 -36	502	1	11	0.00	0.00	1.00	-8 -9 -36 2
502	1	11	0.00	0.00	1.00	-2 -858 -852 1	502	1	11	0.00	0.00	1.00	-1 -2 1 -30
502	1	11	0.00	0.00	1.00	-1277 17 -664 -1374	502	1	11	0.00	0.00	1.00	-1235 -1234 -1384 -1385
502	1	11	0.00	0.00	1.00	-1234 -1233 -1383 -1384	502	1	11	0.00	0.00	1.00	-1233 -1232 -1382 -1383
502	1	11	0.00	0.00	1.00	-1232 -1231 -1381 -1382	502	1	11	0.00	0.00	1.00	-1231 -1230 -1380 -1381
502	1	11	0.00	0.00	1.00	-1230 18 -670 -1380	502	1	11	0.00	0.00	1.00	-1188 -1187 -1390 -1391
502	1	11	0.00	0.00	1.00	-1187 -1186 -1389 -1390	502	1	11	0.00	0.00	1.00	-1186 -1185 -1388 -1389
502	1	11	0.00	0.00	1.00	-1185 -1184 -1387 -1388	502	1	11	0.00	0.00	1.00	-1184 -1183 -1386 -1387
502	1	11	0.00	0.00	1.00	-1183 19 -676 -1386	502	1	11	0.00	0.00	1.00	-987 -986 -1395 -1394
502	1	11	0.00	0.00	1.00	-986 -985 -1396 -1395	502	1	11	0.00	0.00	1.00	-985 -984 -1397 -1396
502	1	11	0.00	0.00	1.00	-984 -983 -1398 -1397	502	1	11	0.00	0.00	1.00	-983 -982 -1399 -1398
502	1	11	0.00	0.00	1.00	-982 6 -1392 -1399	502	1	11	0.00	0.00	1.00	-1393 -1394 -1120 -332
502	1	11	0.00	0.00	1.00	-1394 -1395 -1121 -1120	502	1	11	0.00	0.00	1.00	-1395 -1396 -1122 -1121
502	1	11	0.00	0.00	1.00	-1396 -1397 -1123 -1122	502	1	11	0.00	0.00	1.00	-1397 -1398 -1124 -1123
502	1	11	0.00	0.00	1.00	-1398 -1399 -1125 -1124	502	1	11	0.00	0.00	1.00	-1399 -1392 -338 -1125
502	1	11	0.00	0.00	1.00	-1392 -1400 -339 -338	502	1	11	0.00	0.00	1.00	-953 -952 -1403 -1402

Relazione di calcolo

502	1	11	0.00	0.00	1.00	-952	-951	-1404	-1403	502	1	11	0.00	0.00	1.00	-951	-950	-1405	-1404
502	1	11	0.00	0.00	1.00	-950	-949	-1406	-1405	502	1	11	0.00	0.00	1.00	-949	-948	-1407	-1406
502	1	11	0.00	0.00	1.00	-948	5	-1393	-1407	502	1	11	0.00	0.00	1.00	-1401	-1402	-1087	9
502	1	11	0.00	0.00	1.00	-1402	-1403	-1088	-1087	502	1	11	0.00	0.00	1.00	-1403	-1404	-1089	-1088
502	1	11	0.00	0.00	1.00	-1404	-1405	-1090	-1089	502	1	11	0.00	0.00	1.00	-1405	-1406	-1091	-1090
502	1	11	0.00	0.00	1.00	-1406	-1407	-1092	-1091	502	1	11	0.00	0.00	1.00	-1407	-1393	-332	-1092
502	1	11	0.00	0.00	1.00	-919	-918	-1410	-1409	502	1	11	0.00	0.00	1.00	-918	-917	-1411	-1410
502	1	11	0.00	0.00	1.00	-917	-916	-1412	-1411	502	1	11	0.00	0.00	1.00	-916	-915	-1413	-1412
502	1	11	0.00	0.00	1.00	-915	-914	-1414	-1413	502	1	11	0.00	0.00	1.00	-914	-273	-1401	-1414
502	1	11	0.00	0.00	1.00	-1408	-1409	-1054	8	502	1	11	0.00	0.00	1.00	-1409	-1410	-1055	-1054
502	1	11	0.00	0.00	1.00	-1410	-1411	-1056	-1055	502	1	11	0.00	0.00	1.00	-1411	-1412	-1057	-1056
502	1	11	0.00	0.00	1.00	-1412	-1413	-1058	-1057	502	1	11	0.00	0.00	1.00	-1413	-1414	-1059	-1058
502	1	11	0.00	0.00	1.00	-1414	-1401	9	-1059	502	1	11	0.00	0.00	1.00	-1415	-1408	8	-320
502	1	11	0.00	0.00	1.00	-881	-880	-1418	-1417	502	1	11	0.00	0.00	1.00	-880	-879	-1419	-1418
502	1	11	0.00	0.00	1.00	-879	-878	-1420	-1419	502	1	11	0.00	0.00	1.00	-878	-877	-1421	-1420
502	1	11	0.00	0.00	1.00	-877	-876	-1422	-1421	502	1	11	0.00	0.00	1.00	-876	-265	-1415	-1422
502	1	11	0.00	0.00	1.00	-1416	-1417	-1018	7	502	1	11	0.00	0.00	1.00	-1417	-1418	-1019	-1018
502	1	11	0.00	0.00	1.00	-1418	-1419	-1020	-1019	502	1	11	0.00	0.00	1.00	-1419	-1420	-1021	-1020
502	1	11	0.00	0.00	1.00	-1420	-1421	-1022	-1021	502	1	11	0.00	0.00	1.00	-1421	-1422	-1023	-1022
502	1	11	0.00	0.00	1.00	-1422	-1415	-320	-1023	502	1	11	0.00	0.00	1.00	-1423	-1416	7	-314
502	1	11	0.00	0.00	1.00	-1311	-1270	13	-460	502	1	11	0.00	0.00	1.00	-947	-1006	-987	5
502	1	11	0.00	0.00	1.00	-1005	-980	-981	-1011	502	1	11	0.00	0.00	1.00	-1004	-1005	-1011	-1010

Elenco tipi solai

Simbologia

Comm. = Commento
Lfl = Larghezza fascia laterale
QA = Primo carico accidentale
QA2 = Secondo carico accidentale
QA3 = Terzo carico accidentale
Qpn = Carico permanente non strutturale
Qps = Carico permanente strutturale
Rc = Ripartizione carichi
UN = Unidirezionale
Rip. int. = Ripartizione su aste interne
Rip. ter. = Ripartizione su aste terminali
Ts = Numero del tipo solaio
s = Coeff. di riduzione

Ts	Comm.	Rc	Qps <daN/mq>	Qpn <daN/mq>	QA <daN/mq>	QA2 <daN/mq>	QA3 <daN/mq>	Rip. ter.	Rip. int.	Lfl <m>	s
1	SOL COP	UN	288.00	70.00	50.00	80.00	0.00	50.00	50.00	0.00	0.33
2	SOL COP sbalzo	UN	288.00	70.00	50.00	80.00	0.00	0.00	100.00	0.00	0.33
3	Controsoffitto	UN	258.00	20.00	50.00	0.00	0.00	50.00	50.00	0.00	0.33

Elenco solai

Simbologia

Nodi = Nodi del solaio
Ord. = Orditura
Sol. = Numero del solaio
Ts = Numero del tipo solaio

Sol.	Ts	Ord. <grad>	Nodi	Sol.	Ts	Ord. <grad>	Nodi
100	1	0.00	120 104 -1424 106 105 121 -715 -714	101	1	0.00	105 106 111 110
102	1	0.00	110 111 119 118	103	2	0.00	104 -1424 106 22 21
104	2	0.00	106 111 23 22	105	2	0.00	111 119 24 23
106	2	0.00	119 26 27 24	107	1	0.00	118 25 26 119
200	1	0.00	35 34 217 28	201	1	90.00	-699 207 212 -700
202	1	90.00	212 -723 213 220 216 215	203	1	90.00	219 208 32 -742 -1429 31
204	1	90.00	207 -722 208 213 -723 212	205	1	0.00	-743 32 -742 -716 209 -717
206	1	90.00	-698 201 -1425 207 -699	207	1	90.00	201 202 219 208 -722 207 -1425
208	1	90.00	-700 212 215 -701	209	2	0.00	221 -730 -731 223 222 -729 -728

Relazione di calcolo

210	2	0.00	223 -731 -732 210	211	2	0.00	210 -732 -733 218
212	1	0.00	203 221 -728 -729 222 223 -716 -1426	213	1	0.00	-716 223 210 -717 209
214	1	0.00	-717 210 218 217 214	215	2	0.00	-738 225 221 -730
216	1	0.00	225 224 203 221	217	1	0.00	34 33 -743 -717 214 217
218	1	0.00	-742 -1429 31 203 -1426 -716	219	2	90.00	228 215 216 220 227
220	2	90.00	201 229 226 219 202	221	2	90.00	-698 -741 229 201
222	2	90.00	-740 -701 215 228	223	1	0.00	31 36 224 203
224	1	90.00	208 213 33 -743 32	225	1	90.00	213 220 34 33
226	2	90.00	226 219 31 36	227	2	90.00	220 227 35 34
300	2	0.00	-739 29 218 -733	301	1	0.00	29 28 217 218
604	3	90.00	-734 -735 -737 -736				

Elenco tipi tamponature

Simbologia

Comm. = Commento
Crit. = Criterio di progetto
P = Puntoni equivalenti
S = Genera i puntoni equivalenti
N = Non genera i puntoni equivalenti
Qpn = Carico permanente non strutturale
Rcg = Ripartizione carichi gravitazionali
AP = Sull'asta di piede
AL = Sulle aste laterali
APT = Sulle aste di piede e di testa
Rcv = Ripartizione carichi vento
AP = Sull'asta di piede
AL = Sulle aste laterali
Tipo = Tipologia
C = Area di carico
V = Area di carico e verifica
Tt = Numero del tipo tamponatura

Tt	Comm.	Qpn <daN/mq>	Rcg	Rcv	P	Tipo	Crit.
1	Tamponatura esterna	300.00	AP	AL	NC	--	

Elenco tamponature

Simbologia

Nodi = Nodi della tamponatura
Tam. = Numero della tamponatura
Tt = Numero del tipo tamponatura

Tam.	Tt	Nodi
0	1	15 -1335 -1336 -1337 -1338 12 -736 212 215
0	1	12 -1318 -399 -1014 -1013 -1012 7 -734 -736
0	1	212 207 -734 -736
0	17	-1416 -259 -867 -866 -865 -864 -114 -1425 207 -734
0	1	-140 -978 -979 -980 -981 6 106 -1424
0	16	-1392 -338 -1126 -1127 -1128 11 111 106
0	1	11 -1168 -478 -1167 -1166 -1165 -1164 19 119 111
0	1	121 105 223 222 -727 -721
0	1	105 110 210 223
0	1	110 118 218 210
0	13	-70 -99 -128 -910 -911 -912 -913 -1426 203
0	1	-114 -845 -844 -843 -842 -841 -840 -120 -1431 -1425
0	1	-120 -940 -1427 -1431
0	1	19 -1183 -1184 -1185 -1186 -1187 -1188 18 118 119
0	1	18 -1230 -1231 -1232 -1233 -1234 -1235 17 217 218 118
0	1	17 -1277 -1278 -1279 -1280 -1281 -1282 -631 16 216 220 34 217
0	1	16 -1329 -1330 -1331 -1332 -1333 -1334 15 215 216
0	1	-134 -803 -802 -801 -800 -799 -798 -140 -1424 121 -709 -697 -1435 -693 -689 -685 -681
0	1	-1427 -1429 -1426 -913 -943 -942 -941 -940
0	1	3 -762 -763 -764 -765 -766 -767 -48 -678 -682 -686 -690 -1433 -694 -706 120 -718 -724 221 203

Carichi

Condizioni di carico elementari

Simbologia

CCE = Numero della condizione di carico elementare
Comm. = Commento
Dir. = Direzione del vento

Relazione di calcolo

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
 Mx =Moltiplicatore della massa in dir. X
 My =Moltiplicatore della massa in dir. Y
 Mz =Moltiplicatore della massa in dir. Z
 Sic. =Contributo alla sicurezza
 S = a sfavore
 Tipo =Tipologia di pressione vento
 M = Massimizzata
 E = Esterna
 I = Interna
 Tipo CCE =Tipo di CCE per calcolo agli stati limite
 Var. =Tipo di variabilità
 B = di base
 s =Coeff. di riduzione (T.A. o S.L. D.M. 96)

CCE	Comm.	Tipo CCE	Sic.	Var.	s	Dir. <grad>	Tipo	Mx	My	Mz	Jpx	Jpy	Jpz
1	peso proprio	1	S	--	1.00	--	--	1.00	1.00	0.00	0.00	0.00	1.00
2	permanenti non strutturali	2	S	--	1.00	--	--	1.00	1.00	0.00	0.00	0.00	1.00
3	Carico accidentale Uffici	4	S	B	1.00	--	--	1.00	1.00	0.00	0.00	0.00	1.00
4	Accidentale copertura	10	S	B	1.00	--	--	1.00	1.00	0.00	0.00	0.00	1.00
5	Carico Neve	12	S	B	1.00	--	--	1.00	1.00	0.00	0.00	0.00	1.00

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

Simbologia
 A =Area
 Comm. =Commento
 Mat. =Materiale
 P =Peso specifico
 PL =Peso specifico a metro lineare
 Sez. =Numero della sezione

Sez.	Comm.	A <cmq>	Mat.	P <daN/mc>	PL <daN/m>
1	PIL 25X50	1250.000000	Calcestruzzo classe C32/40	2500.00	312.50
2	PIL 25X65	1625.000000	Calcestruzzo classe C32/40	2500.00	406.25
3	PIL 25X25	625.000000	Calcestruzzo classe C32/40	2500.00	156.25
4	TR 70X24	1680.000000	Calcestruzzo classe C32/40	2500.00	420.00
5	TR 30X24	720.000000	Calcestruzzo classe C32/40	2500.00	180.00
6	TR 50X20	1000.000000	Calcestruzzo classe C32/40	2500.00	250.00
7	TR 25X20	500.000000	Calcestruzzo classe C32/40	2500.00	125.00
8	Tr. 50x24	1200.000000	Calcestruzzo classe C32/40	2500.00	300.00
9	Tr. 60x24	1440.000000	Calcestruzzo classe C32/40	2500.00	360.00

Condizione di carico n. 1: peso proprio
 Carichi distribuiti

Simbologia
 Asta=Numero dell'asta
 DC =Direzione del carico
 XG,YG,ZG = secondo gli assi globali
 XL,YL,ZL = secondo gli assi locali
 E =Elemento provenienza del carico
 S = Solaio
 T = Tamponatura
 N1 =Nodo iniziale
 N2 =Nodo finale
 NE =Numero elemento di provenienza del carico
 Qf =Carico finale
 Qi =Carico iniziale
 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
 VE = Vento
 M = Manuale
 Xf =Distanza finale
 Xi =Distanza iniziale

Asta	N1	N2	E	NE	T	DC	Xi <m>	Qi <daN/m>	Xf <m>	Qf <daN/m>	Asta	N1	N2	E	NE	T	DC	Xi <m>	Qi <daN/m>	Xf <m>	Qf <daN/m>
0	31	36	S	223	QPS	ZG	0.00	57.60	1.15	57.60	0	-1429	31	S	218	QPS	ZG	0.00	57.60	4.00	57.60

Relazione di calcolo

0	-742	-1429	S	218	QPS	ZG	0.00	57.60	0.56	57.60	0	32	-742	S	205	QPS	ZG	0.00	57.60	0.75	57.60
0	-743	32	S	205	QPS	ZG	0.00	57.60	2.05	57.60	0	33	-743	S	217	QPS	ZG	0.00	57.60	0.89	57.60
0	34	33	S	217	QPS	ZG	0.00	57.60	2.90	57.60	0	35	34	S	200	QPS	ZG	0.00	57.60	1.15	57.60
113	120	-714	S	100	QPS	ZG	0.00	597.21	0.58	597.21	113	-714	-715	S	100	QPS	ZG	0.00	597.21	0.58	597.21
113	-715	121	S	100	QPS	ZG	0.00	597.21	0.58	597.21	113	121	105	S	100	QPS	ZG	0.00	597.21	2.81	597.21
113	105	110	S	101	QPS	ZG	0.00	597.21	2.80	597.21	113	110	118	S	102	QPS	ZG	0.00	597.21	3.79	597.21
113	118	25	S	107	QPS	ZG	0.00	597.21	1.15	597.21	115	-1424	104	S	100	QPS	ZG	0.00	597.21	1.75	597.21
115	-1424	104	S	103	QPS	ZG	0.00	331.20	1.75	331.20	115	106	-1424	S	100	QPS	ZG	0.00	597.21	2.81	597.21
115	106	-1424	S	103	QPS	ZG	0.00	331.20	2.81	331.20	115	111	106	S	101	QPS	ZG	0.00	597.21	2.80	597.21
115	111	106	S	104	QPS	ZG	0.00	331.20	2.80	331.20	115	119	111	S	102	QPS	ZG	0.00	597.21	3.79	597.21
115	119	111	S	105	QPS	ZG	0.00	331.20	3.79	331.20	115	26	119	S	106	QPS	ZG	0.00	331.20	1.15	331.20
115	26	119	S	107	QPS	ZG	0.00	597.21	1.15	597.21	202	-698	201	S	206	QPS	ZG	0.00	764.64	1.24	764.64
202	-698	201	S	221	QPS	ZG	0.00	331.20	1.24	331.20	202	201	202	S	207	QPS	ZG	0.00	764.64	4.24	764.64
202	201	202	S	220	QPS	ZG	0.00	331.20	4.24	331.20	202	202	219	S	207	QPS	ZG	0.00	764.64	0.48	764.64
202	202	219	S	220	QPS	ZG	0.00	331.20	0.48	331.20	202	219	31	S	203	QPS	ZG	0.00	764.64	3.92	764.64
202	219	31	S	226	QPS	ZG	0.00	331.20	3.92	331.20	204	-699	207	S	201	QPS	ZG	0.00	423.36	1.24	423.36
204	-699	207	S	206	QPS	ZG	0.00	764.64	1.24	764.64	204	207	-722	S	207	QPS	ZG	0.00	764.64	4.48	764.64
204	207	-722	S	204	QPS	ZG	0.00	423.36	4.48	423.36	204	-722	208	S	207	QPS	ZG	0.00	764.64	0.25	764.64
204	-722	208	S	204	QPS	ZG	0.00	423.36	0.25	423.36	204	208	32	S	203	QPS	ZG	0.00	764.64	3.92	764.64
204	208	32	S	224	QPS	ZG	0.00	423.36	3.92	423.36	206	-700	212	S	201	QPS	ZG	0.00	423.36	1.24	423.36
206	-700	212	S	208	QPS	ZG	0.00	417.60	1.24	417.60	206	212	-723	S	202	QPS	ZG	0.00	417.60	4.48	417.60
206	212	-723	S	204	QPS	ZG	0.00	423.36	4.48	423.36	206	-723	213	S	202	QPS	ZG	0.00	417.60	0.25	417.60
206	-723	213	S	204	QPS	ZG	0.00	423.36	0.25	423.36	206	213	33	S	224	QPS	ZG	0.00	423.36	3.92	423.36
206	213	33	S	225	QPS	ZG	0.00	417.60	3.92	417.60	207	-701	215	S	208	QPS	ZG	0.00	417.60	1.24	417.60
207	-701	215	S	222	QPS	ZG	0.00	331.20	1.24	331.20	207	215	216	S	202	QPS	ZG	0.00	417.60	4.24	417.60
207	215	216	S	219	QPS	ZG	0.00	331.20	4.24	331.20	207	216	220	S	202	QPS	ZG	0.00	417.60	0.48	417.60
207	216	220	S	219	QPS	ZG	0.00	331.20	0.48	331.20	207	220	34	S	225	QPS	ZG	0.00	417.60	3.92	417.60
207	220	34	S	227	QPS	ZG	0.00	331.20	3.92	331.20	212	203	224	S	216	QPS	ZG	0.00	570.00	1.15	570.00
212	203	224	S	223	QPS	ZG	0.00	57.60	1.15	57.60	212	-1426	203	S	212	QPS	ZG	0.00	570.00	4.00	570.00
212	-1426	203	S	218	QPS	ZG	0.00	57.60	4.00	57.60	212	-716	-1426	S	212	QPS	ZG	0.00	570.00	0.56	570.00
212	-716	-1426	S	218	QPS	ZG	0.00	57.60	0.56	57.60	212	209	-716	S	205	QPS	ZG	0.00	57.60	0.75	57.60
212	209	-716	S	213	QPS	ZG	0.00	570.00	0.75	570.00	212	-717	209	S	205	QPS	ZG	0.00	57.60	2.05	57.60
212	-717	209	S	213	QPS	ZG	0.00	570.00	2.05	570.00	212	214	-717	S	214	QPS	ZG	0.00	570.00	0.89	570.00
212	214	-717	S	217	QPS	ZG	0.00	57.60	0.89	57.60	212	217	214	S	214	QPS	ZG	0.00	570.00	2.90	570.00
212	217	214	S	217	QPS	ZG	0.00	57.60	2.90	57.60	212	28	217	S	200	QPS	ZG	0.00	57.60	1.15	57.60
212	28	217	S	301	QPS	ZG	0.00	570.00	1.15	570.00	213	221	225	S	215	QPS	ZG	0.00	195.27	1.15	195.27
213	221	225	S	216	QPS	ZG	0.00	570.00	1.15	570.00	213	-728	221	S	209	QPS	ZG	0.00	195.27	0.58	195.27
213	-728	221	S	212	QPS	ZG	0.00	570.00	0.58	570.00	213	-729	-728	S	209	QPS	ZG	0.00	195.27	0.58	195.27
213	-729	-728	S	212	QPS	ZG	0.00	570.00	0.58	570.00	213	222	-729	S	209	QPS	ZG	0.00	195.27	0.58	195.27
213	222	-729	S	212	QPS	ZG	0.00	570.00	0.58	570.00	213	223	222	S	209	QPS	ZG	0.00	195.27	2.81	195.27
213	223	222	S	212	QPS	ZG	0.00	570.00	2.81	570.00	213	210	223	S	210	QPS	ZG	0.00	195.27	2.80	195.27
213	210	223	S	213	QPS	ZG	0.00	570.00	2.80	570.00	213	218	210	S	211	QPS	ZG	0.00	195.27	3.79	195.27
213	218	210	S	214	QPS	ZG	0.00	570.00	3.79	570.00	213	29	218	S	300	QPS	ZG	0.00	195.27	1.15	195.27
213	29	218	S	301	QPS	ZG	0.00	570.00	1.15	570.00	214	-730	-738	S	215	QPS	ZG	0.00	195.27	1.15	195.27
214	-731	-730	S	209	QPS	ZG	0.00	195.27	4.56	195.27	214	-732	-731	S	210	QPS	ZG	0.00	195.27	2.80	195.27
214	-733	-732	S	211	QPS	ZG	0.00	195.27	3.79	195.27	214	-739	-733	S	300	QPS	ZG	0.00	195.27	1.15	195.27
504	-734	-735	S	604	QPS	ZG	0.00	379.26	4.46	379.26	506	-736	-737	S	604	QPS	ZG	0.00	379.26	4.46	379.26

Condizione di carico n. 2: permanenti non strutturali

Carichi distribuiti

Asta	N1	N2	E	NE	T	DC	Xi <m>	Qi <daN/m>	Xf <m>	Qf <daN/m>	Asta	N1	N2	E	NE	T	DC	Xi <m>	Qi <daN/m>	Xf <m>	Qf <daN/m>
0	-864	-114	T	0	QPN	ZG	0.00	1344.00	0.56	1344.00	0	-114	-845	T	0	QPN	ZG	0.00	1344.00	0.57	1404.79
0	-865	-864	T	0	QPN	ZG	0.00	1344.00	0.56	1344.00	0	-845	-844	T	0	QPN	ZG	0.00	1404.79	0.57	1465.59

Relazione di calcolo

0	-866	-865	T0	QPN	ZG	0.00	1344.00	0.56	1344.00	0	-844	-843	T0	QPN	ZG	0.00	1465.59	0.57	1526.38
0	-867	-866	T0	QPN	ZG	0.00	1344.00	0.56	1344.00	0	-843	-842	T0	QPN	ZG	0.00	1526.38	0.57	1587.17
0	-259	-867	T0	QPN	ZG	0.00	1344.00	0.56	1344.00	0	-842	-841	T0	QPN	ZG	0.00	1587.17	0.57	1647.96
0	-1416	-259	T0	QPN	ZG	0.00	1344.00	0.38	1344.00	0	-841	-840	T0	QPN	ZG	0.00	1647.96	0.57	1708.76
0	7	-1416	T0	QPN	ZG	0.00	1344.00	0.38	1344.00	0	-840	-120	T0	QPN	ZG	0.00	1708.76	0.57	1769.55
0	-1012	7	T0	QPN	ZG	0.00	1239.00	0.51	1239.00	0	-1013	-1012	T0	QPN	ZG	0.00	1239.00	0.51	1239.00
0	-120	-940	T0	QPN	ZG	0.00	1769.55	3.15	1656.24	0	-120	-940	T0	QPN	ZG	3.15	1656.24	3.16	0.00
0	-1014	-1013	T0	QPN	ZG	0.00	1239.00	0.51	1239.00	0	-399	-1014	T0	QPN	ZG	0.00	1239.00	0.51	1239.00
0	-1318	-399	T0	QPN	ZG	0.00	1239.00	0.45	1239.00	0	12	-1318	T0	QPN	ZG	0.00	1239.00	0.45	1239.00
0	-1338	12	T0	QPN	ZG	0.00	1344.00	0.58	1344.00	0	3	-762	T0	QPN	ZG	0.00	1515.00	0.53	1574.14
0	3	-70	T0	QPN	ZG	0.00	1515.00	0.58	1515.00	0	-1337	-1338	T0	QPN	ZG	0.00	1344.00	0.58	1344.00
0	-762	-763	T0	QPN	ZG	0.00	1574.14	0.53	1633.29	0	-70	-99	T0	QPN	ZG	0.00	1515.00	0.58	1515.00
0	-1336	-1337	T0	QPN	ZG	0.00	1344.00	0.58	1344.00	0	-763	-764	T0	QPN	ZG	0.00	1633.29	0.53	1692.43
0	-99	-128	T0	QPN	ZG	0.00	1515.00	0.58	1515.00	0	-1335	-1336	T0	QPN	ZG	0.00	1344.00	0.58	1344.00
0	-764	-765	T0	QPN	ZG	0.00	1692.43	0.53	1751.57	0	-941	-940	T0	QPN	ZG	0.00	1601.23	0.59	1655.42
0	-128	-910	T0	QPN	ZG	0.00	1515.00	0.56	1515.00	0	15	-1335	T0	QPN	ZG	0.00	1344.00	0.58	1344.00
0	-942	-941	T0	QPN	ZG	0.00	1547.03	0.59	1601.23	0	-910	-911	T0	QPN	ZG	0.00	1515.00	0.56	1515.00
0	-1334	15	T0	QPN	ZG	0.00	1404.79	0.57	1344.00	0	-766	-767	T0	QPN	ZG	0.00	1810.71	0.53	1869.86
0	-943	-942	T0	QPN	ZG	0.00	1492.84	0.59	1547.03	0	-911	-912	T0	QPN	ZG	0.00	1515.00	0.56	1515.00
0	-913	-943	T0	QPN	ZG	0.00	1515.00	0.37	1473.16	0	-913	-943	T0	QPN	ZG	0.37	1473.16	0.59	1492.84
0	31	36	S223	QPN	ZG	0.00	14.00	1.15	14.00	0	-940	-1427	T0	QPN	ZG	0.00	2.69	5.52	0.00
0	-765	-766	T0	QPN	ZG	0.00	1751.57	0.53	1810.71	0	-1333	-1334	T0	QPN	ZG	0.00	1465.59	0.57	1404.79
0	-767	-48	T0	QPN	ZG	0.00	1869.86	0.53	1929.00	0	-912	-913	T0	QPN	ZG	0.00	1515.00	0.56	1515.00
0	-1331	-1332	T0	QPN	ZG	0.00	1587.17	0.57	1526.38	0	-1429	31	S218	QPN	ZG	0.00	14.00	4.00	14.00
0	-1330	-1331	T0	QPN	ZG	0.00	1647.96	0.57	1587.17	0	-134	-803	T0	QPN	ZG	0.00	1539.00	0.58	1501.71
0	-802	-801	T0	QPN	ZG	0.00	1464.43	0.58	1427.14	0	-1332	-1333	T0	QPN	ZG	0.00	1526.38	0.57	1465.59
0	16	-1329	T0	QPN	ZG	0.00	1769.55	0.57	1708.76	0	-803	-802	T0	QPN	ZG	0.00	1501.71	0.58	1464.43
0	-801	-800	T0	QPN	ZG	0.00	1427.14	0.58	1389.86	0	-742	-1429	S218	QPN	ZG	0.00	14.00	0.56	14.00
0	32	-742	S205	QPN	ZG	0.00	14.00	0.75	14.00	0	-800	-799	T0	QPN	ZG	0.00	1389.86	0.58	1352.57
0	-1280	-1281	T0	QPN	ZG	0.00	1655.42	0.59	1709.61	0	-799	-798	T0	QPN	ZG	0.00	1352.57	0.58	1315.29
0	-1329	-1330	T0	QPN	ZG	0.00	1708.76	0.57	1647.96	0	-631	16	T0	QPN	ZG	0.00	1818.00	0.46	1769.55
0	-1282	-631	T0	QPN	ZG	0.00	1763.81	0.59	1818.00	0	-798	-140	T0	QPN	ZG	0.00	1315.29	0.58	1278.00
0	-140	-978	T0	QPN	ZG	0.00	1278.00	0.56	1278.00	0	-1281	-1282	T0	QPN	ZG	0.00	1709.61	0.59	1763.81
0	-978	-979	T0	QPN	ZG	0.00	1278.00	0.56	1278.00	0	-979	-980	T0	QPN	ZG	0.00	1278.00	0.56	1278.00
0	6	-1392	T0	QPN	ZG	0.00	1278.00	0.38	1278.00	0	-1279	-1280	T0	QPN	ZG	0.00	1601.23	0.59	1655.42
0	-1278	-1279	T0	QPN	ZG	0.00	1547.03	0.59	1601.23	0	-1277	-1278	T0	QPN	ZG	0.00	1492.84	0.59	1547.03
0	17	-1277	T0	QPN	ZG	0.00	1515.00	0.37	1473.16	0	17	-1277	T0	QPN	ZG	0.37	1473.16	0.59	1492.84
0	-980	-981	T0	QPN	ZG	0.00	1278.00	0.56	1278.00	0	-1235	17	T0	QPN	ZG	0.00	1574.14	0.53	1515.00
0	-1234	-1235	T0	QPN	ZG	0.00	1633.29	0.53	1574.14	0	-981	6	T0	QPN	ZG	0.00	1278.00	0.56	1278.00
0	-1233	-1234	T0	QPN	ZG	0.00	1692.43	0.53	1633.29	0	-1232	-1233	T0	QPN	ZG	0.00	1751.57	0.53	1692.43
0	-1231	-1232	T0	QPN	ZG	0.00	1810.71	0.53	1751.57	0	-1230	-1231	T0	QPN	ZG	0.00	1869.86	0.53	1810.71
0	18	-1230	T0	QPN	ZG	0.00	1929.00	0.53	1869.86	0	-1188	18	T0	QPN	ZG	0.00	1501.71	0.58	1539.00
0	-743	32	S205	QPN	ZG	0.00	14.00	2.05	14.00	0	33	-743	S217	QPN	ZG	0.00	14.00	0.89	14.00
0	34	33	S217	QPN	ZG	0.00	14.00	2.90	14.00	0	35	34	S200	QPN	ZG	0.00	14.00	1.15	14.00
0	-1392	-338	T0	QPN	ZG	0.00	1278.00	0.38	1278.00	0	-338	-1126	T0	QPN	ZG	0.00	1278.00	0.51	1278.00
0	-1126	-1127	T0	QPN	ZG	0.00	1278.00	0.51	1278.00	0	-1127	-1128	T0	QPN	ZG	0.00	1278.00	0.51	1278.00
0	-1128	11	T0	QPN	ZG	0.00	1278.00	0.51	1278.00	0	11	-1168	T0	QPN	ZG	0.00	1278.00	0.45	1278.00
0	-1187	-1188	T0	QPN	ZG	0.00	1464.43	0.58	1501.71	0	-1168	-478	T0	QPN	ZG	0.00	1278.00	0.45	1278.00
0	-478	-1167	T0	QPN	ZG	0.00	1278.00	0.58	1278.00	0	-1186	-1187	T0	QPN	ZG	0.00	1427.14	0.58	1464.43
0	-1167	-1166	T0	QPN	ZG	0.00	1278.00	0.58	1278.00	0	-1185	-1186	T0	QPN	ZG	0.00	1389.86	0.58	1427.14
0	-1166	-1165	T0	QPN	ZG	0.00	1278.00	0.58	1278.00	0	-1184	-1185	T0	QPN	ZG	0.00	1352.57	0.58	1389.86
0	-1165	-1164	T0	QPN	ZG	0.00	1278.00	0.58	1278.00	0	-1183	-1184	T0	QPN	ZG	0.00	1315.29	0.58	1352.57
0	-1164	19	T0	QPN	ZG	0.00	1278.00	0.58	1278.00	0	19	-1183	T0	QPN	ZG	0.00	1278.00	0.58	1315.29

Relazione di calcolo

113	120	-714	S	100	QPN	ZG	0.00	145.16	0.58	145.16	113	-714	-715	S	100	QPN	ZG	0.00	145.16	0.58	145.16
113	-715	121	S	100	QPN	ZG	0.00	145.16	0.58	145.16	113	121	105	S	100	QPN	ZG	0.00	145.16	2.81	145.16
113	121	105	T	0	QPN	ZG	0.00	390.00	2.81	390.00	113	105	110	S	101	QPN	ZG	0.00	145.16	2.80	145.16
113	105	110	T	0	QPN	ZG	0.00	390.00	2.80	390.00	113	110	118	S	102	QPN	ZG	0.00	145.16	3.79	145.16
113	110	118	T	0	QPN	ZG	0.00	390.00	3.79	390.00	113	118	25	S	107	QPN	ZG	0.00	145.16	1.15	145.16
115	-1424	104	S	100	QPN	ZG	0.00	145.16	1.75	145.16	115	-1424	104	S	103	QPN	ZG	0.00	80.50	1.75	80.50
115	106	-1424	S	100	QPN	ZG	0.00	145.16	2.81	145.16	115	106	-1424	S	103	QPN	ZG	0.00	80.50	2.81	80.50
115	111	106	S	101	QPN	ZG	0.00	145.16	2.80	145.16	115	111	106	S	104	QPN	ZG	0.00	80.50	2.80	80.50
115	119	111	S	102	QPN	ZG	0.00	145.16	3.79	145.16	115	119	111	S	105	QPN	ZG	0.00	80.50	3.79	80.50
115	26	119	S	106	QPN	ZG	0.00	80.50	1.15	80.50	115	26	119	S	107	QPN	ZG	0.00	145.16	1.15	145.16
202	-698	201	S	206	QPN	ZG	0.00	185.85	1.24	185.85	202	-698	201	S	221	QPN	ZG	0.00	80.50	1.24	80.50
202	201	202	S	207	QPN	ZG	0.00	185.85	4.24	185.85	202	201	202	S	220	QPN	ZG	0.00	80.50	4.24	80.50
202	202	219	S	207	QPN	ZG	0.00	185.85	0.48	185.85	202	202	219	S	220	QPN	ZG	0.00	80.50	0.48	80.50
202	219	31	S	203	QPN	ZG	0.00	185.85	3.92	185.85	202	219	31	S	226	QPN	ZG	0.00	80.50	3.92	80.50
204	-699	207	S	201	QPN	ZG	0.00	102.90	1.24	102.90	204	-699	207	S	206	QPN	ZG	0.00	185.85	1.24	185.85
204	207	-722	S	207	QPN	ZG	0.00	185.85	4.48	185.85	204	207	-722	S	204	QPN	ZG	0.00	102.90	4.48	102.90
204	-722	208	S	207	QPN	ZG	0.00	185.85	0.25	185.85	204	-722	208	S	204	QPN	ZG	0.00	102.90	0.25	102.90
204	208	32	S	203	QPN	ZG	0.00	185.85	3.92	185.85	204	208	32	S	224	QPN	ZG	0.00	102.90	3.92	102.90
206	-700	212	S	201	QPN	ZG	0.00	102.90	1.24	102.90	206	-700	212	S	208	QPN	ZG	0.00	101.50	1.24	101.50
206	212	-723	S	202	QPN	ZG	0.00	101.50	4.48	101.50	206	212	-723	S	204	QPN	ZG	0.00	102.90	4.48	102.90
206	-723	213	S	202	QPN	ZG	0.00	101.50	0.25	101.50	206	-723	213	S	204	QPN	ZG	0.00	102.90	0.25	102.90
206	213	33	S	224	QPN	ZG	0.00	102.90	3.92	102.90	206	213	33	S	225	QPN	ZG	0.00	101.50	3.92	101.50
207	-701	215	S	208	QPN	ZG	0.00	101.50	1.24	101.50	207	-701	215	S	222	QPN	ZG	0.00	80.50	1.24	80.50
207	215	216	S	202	QPN	ZG	0.00	101.50	4.24	101.50	207	215	216	S	219	QPN	ZG	0.00	80.50	4.24	80.50
207	216	220	S	202	QPN	ZG	0.00	101.50	0.48	101.50	207	216	220	S	219	QPN	ZG	0.00	80.50	0.48	80.50
207	220	34	S	225	QPN	ZG	0.00	101.50	3.92	101.50	207	220	34	S	227	QPN	ZG	0.00	80.50	3.92	80.50
212	203	224	S	216	QPN	ZG	0.00	138.54	1.15	138.54	212	203	224	S	223	QPN	ZG	0.00	14.00	1.15	14.00
212	-1426	203	S	212	QPN	ZG	0.00	138.54	4.00	138.54	212	-1426	203	S	218	QPN	ZG	0.00	14.00	4.00	14.00
212	-716	-1426	S	212	QPN	ZG	0.00	138.54	0.56	138.54	212	-716	-1426	S	218	QPN	ZG	0.00	14.00	0.56	14.00
212	209	-716	S	205	QPN	ZG	0.00	14.00	0.75	14.00	212	209	-716	S	213	QPN	ZG	0.00	138.54	0.75	138.54
212	-717	209	S	205	QPN	ZG	0.00	14.00	2.05	14.00	212	-717	209	S	213	QPN	ZG	0.00	138.54	2.05	138.54
212	214	-717	S	214	QPN	ZG	0.00	138.54	0.89	138.54	212	214	-717	S	217	QPN	ZG	0.00	14.00	0.89	14.00
212	217	214	S	214	QPN	ZG	0.00	138.54	2.90	138.54	212	217	214	S	217	QPN	ZG	0.00	14.00	2.90	14.00
212	28	217	S	200	QPN	ZG	0.00	14.00	1.15	14.00	212	28	217	S	301	QPN	ZG	0.00	138.54	1.15	138.54
213	221	225	S	215	QPN	ZG	0.00	47.46	1.15	47.46	213	221	225	S	216	QPN	ZG	0.00	138.54	1.15	138.54
213	-728	221	S	209	QPN	ZG	0.00	47.46	0.58	47.46	213	-728	221	S	212	QPN	ZG	0.00	138.54	0.58	138.54
213	-729	-728	S	209	QPN	ZG	0.00	47.46	0.58	47.46	213	-729	-728	S	212	QPN	ZG	0.00	138.54	0.58	138.54
213	222	-729	S	209	QPN	ZG	0.00	47.46	0.58	47.46	213	222	-729	S	212	QPN	ZG	0.00	138.54	0.58	138.54
213	223	222	S	209	QPN	ZG	0.00	47.46	2.81	47.46	213	223	222	S	212	QPN	ZG	0.00	138.54	2.81	138.54
213	210	223	S	210	QPN	ZG	0.00	47.46	2.80	47.46	213	210	223	S	213	QPN	ZG	0.00	138.54	2.80	138.54
213	218	210	S	211	QPN	ZG	0.00	47.46	3.79	47.46	213	218	210	S	214	QPN	ZG	0.00	138.54	3.79	138.54
213	29	218	S	300	QPN	ZG	0.00	47.46	1.15	47.46	213	29	218	S	301	QPN	ZG	0.00	138.54	1.15	138.54
214	-730	-738	S	215	QPN	ZG	0.00	47.46	1.15	47.46	214	-731	-730	S	209	QPN	ZG	0.00	47.46	4.56	47.46
214	-732	-731	S	210	QPN	ZG	0.00	47.46	2.80	47.46	214	-733	-732	S	211	QPN	ZG	0.00	47.46	3.79	47.46
214	-739	-733	S	300	QPN	ZG	0.00	47.46	1.15	47.46	504	-734	-735	S	604	QPN	ZG	0.00	29.40	4.46	29.40
506	-736	-737	S	604	QPN	ZG	0.00	29.40	4.46	29.40	510	-734	-736	T	0	QPN	ZG	0.00	105.00	2.94	105.00

Condizione di carico n. 4: Accidentale copertura

Carichi distribuiti

Asta	N1	N2	E	NE	T	DC	Xi <m>	Qi <daN/m>	Xf <m>	Qf <daN/m>	Asta	N1	N2	E	NE	T	DC	Xi <m>	Qi <daN/m>	Xf <m>	Qf <daN/m>
0	31	36	S	223	QA	ZG	0.00	9.37	1.15	9.37	0	-1429	31	S	218	QA	ZG	0.00	9.37	4.00	9.37
0	-742	-1429	S	218	QA	ZG	0.00	9.37	0.56	9.37	0	32	-742	S	205	QA	ZG	0.00	9.37	0.75	9.37
0	-743	32	S	205	QA	ZG	0.00	9.37	2.05	9.37	0	33	-743	S	217	QA	ZG	0.00	9.37	0.89	9.37

Relazione di calcolo

0	34	33	S	217	QA	ZG	0.00	9.37	2.90	9.37	0	35	34	S	200	QA	ZG	0.00	9.37	1.15	9.37
113	120	-714	S	100	QA	ZG	0.00	101.38	0.58	101.38	113	-714	-715	S	100	QA	ZG	0.00	101.38	0.58	101.38
113	-715	121	S	100	QA	ZG	0.00	101.38	0.58	101.38	113	121	105	S	100	QA	ZG	0.00	101.38	2.81	101.38
113	105	110	S	101	QA	ZG	0.00	101.38	2.80	101.38	113	110	118	S	102	QA	ZG	0.00	101.38	3.79	101.38
113	118	25	S	107	QA	ZG	0.00	101.38	1.15	101.38	115	-1424	104	S	100	QA	ZG	0.00	101.38	0.58	101.38
115	-1424	104	S	103	QA	ZG	0.00	56.22	1.75	56.22	115	-1424	104	S	100	QA	ZG	0.58	101.38	1.75	101.38
115	106	-1424	S	100	QA	ZG	0.00	101.38	2.81	101.38	115	106	-1424	S	103	QA	ZG	0.00	56.22	2.81	56.22
115	111	106	S	101	QA	ZG	0.00	101.38	2.80	101.38	115	111	106	S	104	QA	ZG	0.00	56.22	2.80	56.22
115	119	111	S	102	QA	ZG	0.00	101.38	3.79	101.38	115	119	111	S	105	QA	ZG	0.00	56.22	3.79	56.22
115	26	119	S	106	QA	ZG	0.00	56.22	1.15	56.22	115	26	119	S	107	QA	ZG	0.00	101.38	1.15	101.38
202	-698	201	S	206	QA	ZG	0.00	125.11	1.24	125.11	202	-698	201	S	221	QA	ZG	0.00	54.19	1.24	54.19
202	201	202	S	207	QA	ZG	0.00	125.12	4.24	125.12	202	201	202	S	220	QA	ZG	0.00	54.19	4.24	54.19
202	202	219	S	207	QA	ZG	0.00	125.10	0.24	125.10	202	202	219	S	220	QA	ZG	0.00	54.19	0.48	54.19
202	202	219	S	207	QA	ZG	0.24	125.10	0.48	125.10	202	219	31	S	203	QA	ZG	0.00	126.91	3.92	126.91
202	219	31	S	226	QA	ZG	0.00	54.97	3.92	54.97	204	-699	207	S	201	QA	ZG	0.00	69.27	1.24	69.27
204	-699	207	S	206	QA	ZG	0.00	125.11	1.24	125.11	204	207	-722	S	207	QA	ZG	0.00	125.12	4.24	125.12
204	207	-722	S	204	QA	ZG	0.00	69.27	4.48	69.27	204	207	-722	S	207	QA	ZG	4.24	125.10	4.48	125.10
204	-722	208	S	207	QA	ZG	0.00	125.10	0.25	125.10	204	-722	208	S	204	QA	ZG	0.00	69.27	0.25	69.27
204	208	32	S	203	QA	ZG	0.00	126.91	3.92	126.91	204	208	32	S	224	QA	ZG	0.00	70.27	3.92	70.27
206	-700	212	S	201	QA	ZG	0.00	69.27	1.24	69.27	206	-700	212	S	208	QA	ZG	0.00	68.33	1.24	68.33
206	212	-723	S	202	QA	ZG	0.00	68.33	4.48	68.33	206	212	-723	S	204	QA	ZG	0.00	69.27	4.48	69.27
206	-723	213	S	202	QA	ZG	0.00	68.33	0.25	68.33	206	-723	213	S	204	QA	ZG	0.00	69.27	0.25	69.27
206	213	33	S	224	QA	ZG	0.00	70.27	3.92	70.27	206	213	33	S	225	QA	ZG	0.00	69.31	3.92	69.31
207	-701	215	S	208	QA	ZG	0.00	68.33	1.24	68.33	207	-701	215	S	222	QA	ZG	0.00	54.19	1.24	54.19
207	215	216	S	202	QA	ZG	0.00	68.33	4.24	68.33	207	215	216	S	219	QA	ZG	0.00	54.19	4.24	54.19
207	216	220	S	202	QA	ZG	0.00	68.33	0.24	68.33	207	216	220	S	219	QA	ZG	0.00	54.19	0.48	54.19
207	216	220	S	202	QA	ZG	0.24	68.33	0.48	68.33	207	220	34	S	225	QA	ZG	0.00	69.31	3.92	69.31
207	220	34	S	227	QA	ZG	0.00	54.97	3.92	54.97	212	203	224	S	216	QA	ZG	0.00	92.75	1.15	92.75
212	203	224	S	223	QA	ZG	0.00	9.37	1.15	9.37	212	-1426	203	S	212	QA	ZG	0.00	92.75	4.00	92.75
212	-1426	203	S	218	QA	ZG	0.00	9.37	4.00	9.37	212	-716	-1426	S	212	QA	ZG	0.00	92.75	0.56	92.75
212	-716	-1426	S	218	QA	ZG	0.00	9.37	0.56	9.37	212	209	-716	S	205	QA	ZG	0.00	9.37	0.75	9.37
212	209	-716	S	213	QA	ZG	0.00	92.75	0.75	92.75	212	-717	209	S	205	QA	ZG	0.00	9.37	2.05	9.37
212	-717	209	S	213	QA	ZG	0.00	92.75	2.05	92.75	212	214	-717	S	214	QA	ZG	0.00	92.75	0.89	92.75
212	214	-717	S	217	QA	ZG	0.00	9.37	0.89	9.37	212	217	214	S	214	QA	ZG	0.00	92.75	2.90	92.75
212	217	214	S	217	QA	ZG	0.00	9.37	2.90	9.37	212	28	217	S	200	QA	ZG	0.00	9.37	1.15	9.37
212	28	217	S	301	QA	ZG	0.00	92.75	1.15	92.75	213	221	225	S	215	QA	ZG	0.00	31.52	1.15	31.52
213	221	225	S	216	QA	ZG	0.00	92.75	1.15	92.75	213	-728	221	S	209	QA	ZG	0.00	31.52	0.58	31.52
213	-728	221	S	212	QA	ZG	0.00	92.75	0.58	92.75	213	-729	-728	S	209	QA	ZG	0.00	31.52	0.58	31.52
213	-729	-728	S	212	QA	ZG	0.00	92.75	0.58	92.75	213	222	-729	S	209	QA	ZG	0.00	31.52	0.58	31.52
213	222	-729	S	212	QA	ZG	0.00	92.75	0.58	92.75	213	223	222	S	209	QA	ZG	0.00	31.52	2.81	31.52
213	223	222	S	212	QA	ZG	0.00	92.75	2.81	92.75	213	210	223	S	210	QA	ZG	0.00	31.52	2.80	31.52
213	210	223	S	213	QA	ZG	2.05	92.75	2.80	92.75	213	210	223	S	213	QA	ZG	0.00	92.75	2.05	92.75
213	218	210	S	211	QA	ZG	0.00	31.52	3.79	31.52	213	218	210	S	214	QA	ZG	0.00	92.75	3.79	92.75
213	29	218	S	300	QA	ZG	0.00	31.52	1.15	31.52	213	29	218	S	301	QA	ZG	0.00	92.75	1.15	92.75
214	-730	-738	S	215	QA	ZG	0.00	31.52	1.15	31.52	214	-731	-730	S	209	QA	ZG	0.00	31.52	4.56	31.52
214	-732	-731	S	210	QA	ZG	0.00	31.52	2.80	31.52	214	-733	-732	S	211	QA	ZG	0.00	31.52	3.79	31.52
214	-739	-733	S	300	QA	ZG	0.00	31.52	1.15	31.52	504	-734	-735	S	604	QA	ZG	0.00	73.50	4.46	73.50
506	-736	-737	S	604	QA	ZG	0.00	73.50	4.46	73.50											

Condizione di carico n. 5: Carico Neve
Carichi distribuiti

Asta	N1	N2	E	NE	T	DC	Xi <m>	Qi <daN/m>	Xf <m>	Qf <daN/m>	Asta	N1	N2	E	NE	T	DC	Xi <m>	Qi <daN/m>	Xf <m>	Qf <daN/m>		
0	31	36	S	223	QA	2	ZG	0.00	15.00	1.15	15.00	0	-1429	31	S	218	QA	2	ZG	0.00	15.00	4.00	15.00

Relazione di calcolo

0	-742	-1429	S218	QA2	ZG	0.00	15.00	0.56	15.00	0	32	-742	S205	QA2	ZG	0.00	15.00	0.75	15.00
0	-743	32	S205	QA2	ZG	0.00	15.00	2.05	15.00	0	33	-743	S217	QA2	ZG	0.00	15.00	0.89	15.00
0	34	33	S217	QA2	ZG	0.00	15.00	2.90	15.00	0	35	34	S200	QA2	ZG	0.00	15.00	1.15	15.00
113	120	-714	S100	QA2	ZG	0.00	162.20	0.58	162.20	113	-714	-715	S100	QA2	ZG	0.00	162.20	0.58	162.20
113	-715	121	S100	QA2	ZG	0.00	162.20	0.58	162.20	113	121	105	S100	QA2	ZG	0.00	162.20	2.81	162.20
113	105	110	S101	QA2	ZG	0.00	162.20	2.80	162.20	113	110	118	S102	QA2	ZG	0.00	162.20	3.79	162.20
113	118	25	S107	QA2	ZG	0.00	162.20	1.15	162.20	115	-1424	104	S100	QA2	ZG	0.00	162.20	0.58	162.20
115	-1424	104	S103	QA2	ZG	0.00	89.95	1.75	89.95	115	-1424	104	S100	QA2	ZG	0.58	162.20	1.75	162.20
115	106	-1424	S100	QA2	ZG	0.00	162.20	2.81	162.20	115	106	-1424	S103	QA2	ZG	0.00	89.95	2.81	89.95
115	111	106	S101	QA2	ZG	0.00	162.20	2.80	162.20	115	111	106	S104	QA2	ZG	0.00	89.95	2.80	89.95
115	119	111	S102	QA2	ZG	0.00	162.20	3.79	162.20	115	119	111	S105	QA2	ZG	0.00	89.95	3.79	89.95
115	26	119	S106	QA2	ZG	0.00	89.95	1.15	89.95	115	26	119	S107	QA2	ZG	0.00	162.20	1.15	162.20
202	-698	201	S206	QA2	ZG	0.00	200.18	1.24	200.18	202	-698	201	S221	QA2	ZG	0.00	86.71	1.24	86.71
202	201	202	S207	QA2	ZG	0.00	200.19	4.24	200.19	202	201	202	S220	QA2	ZG	0.00	86.71	4.24	86.71
202	202	219	S207	QA2	ZG	0.00	200.16	0.24	200.16	202	202	219	S220	QA2	ZG	0.00	86.71	0.48	86.71
202	202	219	S207	QA2	ZG	0.24	200.16	0.48	200.16	202	219	31	S203	QA2	ZG	0.00	203.05	3.92	203.05
202	219	31	S226	QA2	ZG	0.00	87.95	3.92	87.95	204	-699	207	S201	QA2	ZG	0.00	110.84	1.24	110.84
204	-699	207	S206	QA2	ZG	0.00	200.18	1.24	200.18	204	207	-722	S207	QA2	ZG	0.00	200.19	4.24	200.19
204	207	-722	S204	QA2	ZG	0.00	110.84	4.48	110.84	204	207	-722	S207	QA2	ZG	4.24	200.16	4.48	200.16
204	-722	208	S207	QA2	ZG	0.00	200.16	0.25	200.16	204	-722	208	S204	QA2	ZG	0.00	110.84	0.25	110.84
204	208	32	S203	QA2	ZG	0.00	203.05	3.92	203.05	204	208	32	S224	QA2	ZG	0.00	112.42	3.92	112.42
206	-700	212	S201	QA2	ZG	0.00	110.84	1.24	110.84	206	-700	212	S208	QA2	ZG	0.00	109.33	1.24	109.33
206	212	-723	S202	QA2	ZG	0.00	109.33	4.24	109.33	206	212	-723	S204	QA2	ZG	0.00	110.84	4.48	110.84
206	212	-723	S202	QA2	ZG	4.24	109.33	4.48	109.33	206	-723	213	S202	QA2	ZG	0.00	109.33	0.25	109.33
206	-723	213	S204	QA2	ZG	0.00	110.84	0.25	110.84	206	213	33	S224	QA2	ZG	0.00	112.42	3.92	112.42
206	213	33	S225	QA2	ZG	0.00	110.89	3.92	110.89	207	-701	215	S208	QA2	ZG	0.00	109.33	1.24	109.33
207	-701	215	S222	QA2	ZG	0.00	86.71	1.24	86.71	207	215	216	S202	QA2	ZG	0.00	109.33	4.24	109.33
207	215	216	S219	QA2	ZG	0.00	86.71	4.24	86.71	207	216	220	S202	QA2	ZG	0.00	109.33	0.24	109.33
207	216	220	S219	QA2	ZG	0.00	86.70	0.48	86.70	207	216	220	S202	QA2	ZG	0.24	109.33	0.48	109.33
207	220	34	S225	QA2	ZG	0.00	110.89	3.92	110.89	207	220	34	S227	QA2	ZG	0.00	87.95	3.92	87.95
212	203	224	S216	QA2	ZG	0.00	148.40	1.15	148.40	212	203	224	S223	QA2	ZG	0.00	15.00	1.15	15.00
212	-1426	203	S212	QA2	ZG	0.00	148.40	4.00	148.40	212	-1426	203	S218	QA2	ZG	0.00	15.00	4.00	15.00
212	-716	-1426	S212	QA2	ZG	0.00	148.40	0.56	148.40	212	-716	-1426	S218	QA2	ZG	0.00	15.00	0.56	15.00
212	209	-716	S205	QA2	ZG	0.00	15.00	0.75	15.00	212	209	-716	S213	QA2	ZG	0.00	148.40	0.75	148.40
212	-717	209	S205	QA2	ZG	0.00	15.00	2.05	15.00	212	-717	209	S213	QA2	ZG	0.00	148.40	2.05	148.40
212	214	-717	S214	QA2	ZG	0.00	148.40	0.89	148.40	212	214	-717	S217	QA2	ZG	0.00	15.00	0.89	15.00
212	217	214	S214	QA2	ZG	0.00	148.40	2.90	148.40	212	217	214	S217	QA2	ZG	0.00	15.00	2.90	15.00
212	28	217	S200	QA2	ZG	0.00	15.00	1.15	15.00	212	28	217	S301	QA2	ZG	0.00	148.40	1.15	148.40
213	221	225	S215	QA2	ZG	0.00	50.43	1.15	50.43	213	221	225	S216	QA2	ZG	0.00	148.40	1.15	148.40
213	-728	221	S209	QA2	ZG	0.00	50.43	0.58	50.43	213	-728	221	S212	QA2	ZG	0.00	148.40	0.58	148.40
213	-729	-728	S209	QA2	ZG	0.00	50.43	0.58	50.43	213	-729	-728	S212	QA2	ZG	0.00	148.40	0.58	148.40
213	222	-729	S209	QA2	ZG	0.00	50.43	0.58	50.43	213	222	-729	S212	QA2	ZG	0.00	148.40	0.58	148.40
213	223	222	S209	QA2	ZG	0.00	50.43	2.81	50.43	213	223	222	S212	QA2	ZG	0.00	148.40	2.81	148.40
213	210	223	S210	QA2	ZG	0.00	50.43	2.80	50.43	213	210	223	S213	QA2	ZG	2.05	148.40	2.80	148.40
213	210	223	S213	QA2	ZG	0.00	148.40	2.05	148.40	213	218	210	S211	QA2	ZG	0.00	50.43	3.79	50.43
213	218	210	S214	QA2	ZG	0.00	148.40	3.79	148.40	213	29	218	S300	QA2	ZG	0.00	50.43	1.15	50.43
213	29	218	S301	QA2	ZG	0.00	148.40	1.15	148.40	214	-730	-738	S215	QA2	ZG	0.00	50.43	1.15	50.43
214	-731	-730	S209	QA2	ZG	0.00	50.43	4.56	50.43	214	-732	-731	S210	QA2	ZG	0.00	50.43	2.80	50.43
214	-733	-732	S211	QA2	ZG	0.00	50.43	3.79	50.43	214	-739	-733	S300	QA2	ZG	0.00	50.43	1.15	50.43

Elenco carichi elementi bidimensionali

Elenco peso proprio elementi bidimensionali

Simbologia

Relazione di calcolo

Comm. =Commento

Mat. =Materiale

P =Peso specifico

PQ =Peso specifico per unità di superficie

Spess. =Spessore

Tb =Numero del tipo muro/elemento bidimensionale

Tb	Comm.	Spess. <cm>	Mat.	P <daN/mc>	PQ <daN/mq>
1	platea	45.00	Calcestruzzo classe C25/30	2500.00	1125.00
2	setto	25.00	Calcestruzzo classe C32/40	2500.00	625.00

Condizione di carico n. 2: permanenti non strutturali

Carichi uniformi

Simbologia

Bid. =Numero del muro/elemento bidimensionale

DC =Direzione del carico

G = secondo gli assi globali

L = secondo gli assi locali

N1 =Nodo1

N2 =Nodo2

N3 =Nodo3

N4 =Nodo4

Qx =Carico in dir. X

Qy =Carico in dir. Y

Qz =Carico in dir. Z

T =Tipo di carico

PP = Peso proprio

M = Manuale

Bid.	N1	N2	N3	N4	T	DC	Qx <daN/mq>	Qy <daN/mq>	Qz <daN/mq>
502	--	--	--	--	M	G	0.00	0.00	700.00

Condizione di carico n. 3: Carico accidentale Uffici

Carichi uniformi

Bid.	N1	N2	N3	N4	T	DC	Qx <daN/mq>	Qy <daN/mq>	Qz <daN/mq>
103	--	--	--	--	M	G	0.00	0.00	300.00
502	--	--	--	--	M	G	0.00	0.00	300.00

Bid.	N1	N2	N3	N4	T	DC	Qx <daN/mq>	Qy <daN/mq>	Qz <daN/mq>
203	--	--	--	--	M	G	0.00	0.00	300.00

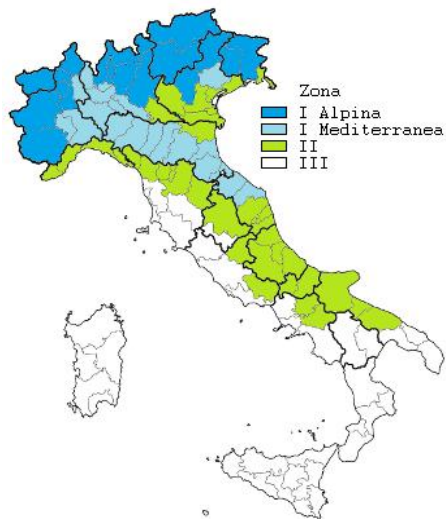
Analisi dei carichi da neve

Calcolo delle azioni della neve

Normativa di riferimento: Norme tecniche per le costruzioni D.M. 17 gennaio 2018 e Circolare 21 gennaio 2019,n. 7 del Ministero delle Infrastrutture e dei Trasporti

Zona di ubicazione dell'edificio: II

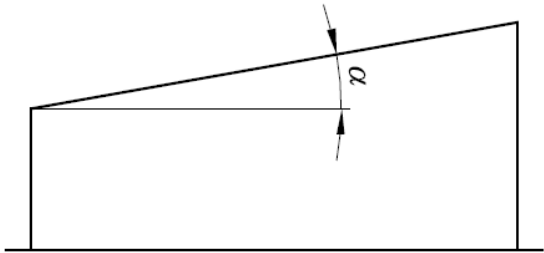
Arezzo, Ascoli Piceno, Avellino, Bari, Barletta-Andria-Trani, Benevento, Campobasso, Chieti, Fermo, Ferrara, Firenze, Foggia, Frosinone, Genova, Gorizia, Imperia, Isernia, L'Aquila, La Spezia, Lucca, Macerata, Mantova, Massa Carrara, Padova, Perugia, Pescara, Pistoia, Prato, Rieti, Rovigo, Savona, Teramo, Trieste, Venezia, Verona



Coefficiente di esposizione del sito: Normale

neve

Classificazione della costruzione: Copertura ad una falda senza barriera o parapetto



T_r (tempo di ritorno): 50 anni
 C_t (coefficiente termico): 1.00
 a_s (altitudine sul livello del mare): 200.00 <m>

α (angolo inclinazione): 20.00 <grad>

Parametri derivati (3.4.2):
 q_{sk} (valore di riferimento del carico neve al suolo): 100.00 <daN/mq>

Parametri derivati (tab. 3.4.I):
 C_e (coefficiente d'esposizione): 1.00
 μ_1 (coefficiente di forma della copertura): 0.80

Carichi agenti:
 q_{ss} (carico provocato dalla neve sulle coperture): 80.00 <daN/mq>

Risultati del calcolo

Parametri di calcolo

La modellazione della struttura e la rielaborazione dei risultati del calcolo sono stati effettuati con:
ModeSt ver. 8.29, licenza n. 5958, prodotto da Tecnisoft s.a.s. - Prato
La struttura è stata calcolata utilizzando come solutore agli elementi finiti:
Xfinest ver. 9.4.5, licenza n. -725370720, prodotto da Ce.A.S. S.r.l. - Milano

Tipo di normativa: stati limite D.M. 18
Tipo di calcolo: sismica dinamica
Vincoli esterni: Considera sempre vincoli assegnati in modellazione
Schematizzazione piani rigidi: metodo Master-Slave
Modalità di recupero masse secondarie: trasferire le masse
- All'impalcato più vicino in assoluto: Sì

Relazione di calcolo

- Anche sui nodi degli impalcanti non rigidi: No
- Modificare coordinate baricentro impalcanti rigidi: XY

Generazione combinazioni

- Tipo di analisi: Lineare
- 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
- 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
- Analisi non lineare con Newton modificato: No
- Usa formulazione secante per buckling: No
- Trascura buckling torsionale: No

Opzioni per analisi P-Delta

- Numero massimo di iterazioni: 0
- Valore della norma euclidea degli spostamenti: 0

Dati struttura

- Sito di costruzione: Vicchio LON. 11.45937 LAT. 43.93686
Contenuto tra ID reticolo: 19396 19174 19395 19173

Simbologia

Ag =Accelerazione orizzontale massima al sito
Cc =Coefficiente funzione della categoria del suolo
Fo =Valore massimo del fattore di amplificazione dello spettro in accelerazione orizzontale
Ss =Coefficiente di amplificazione stratigrafica
TR =Periodo di ritorno <anni>
TCC=Tipo di combinazione di carico
SLU = Stato limite ultimo
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
SND = Stato limite di salvaguardia della vita (non dissipativo)
Tc*=Periodo di inizio del tratto a velocità costante dello spettro in accelerazione orizzontale <sec>

TCC	TR	Ag <g>	Fo	Tc*	Ss	Cc
SLD	101	0.1094	2.42	0.27	1.50	1.62
SLV	949	0.2513	2.40	0.29	1.34	1.58

- Edificio esistente: No
- Spettri: Automatici da normativa
- Tipo di opera: Opera ordinaria
- Vita nominale VN: 50.00
- Classe d'uso: Classe IV
- SL Esercizio: SLOPvr No, SLDPvr 63.00
- SL Ultimi: SLVPvr 10.00, SLCPvr No
- Struttura dissipativa: No
- Quota di riferimento: 0.00 <m>
- Quota max della struttura: 6.67 <m>
- Altezza della struttura: 6.67 <m>
- Numero piani edificio: 3
- Coefficiente 0: 0.00
- Edificio regolare in altezza: Sì
- Edificio regolare in pianta: Sì
- Forze orizzontali convenzionali per stati limite non sismici: No
- Genera stati limite per verifiche di resistenza al fuoco: No

Dati di calcolo

Relazione di calcolo

- Categoria del suolo di fondazione: C
- Tipologia strutturale: c.a. o prefabbricata a telaio a più piani e più campate

Periodo T_1	0.25699
Coeff. λ SLD	0.85
Coeff. λ SLV	0.85
Rapporto di sovrarresistenza (α_u/α_1)	1.30
Valore di riferimento del fattore di comportamento (q_0)	1.50
Fattore riduttivo (K_w)	1.00
Fattore riduttivo regolarità in altezza (KR)	1.00
Fattore di comportamento dissipativo (q)	1.50
Fattore di comportamento non dissipativo (qND)	1.50
Fattore di comportamento per SLD (qD)	1.50

- Categoria topografica: T1 - Superficie pianeggiante, pendii e rilievi isolati con inclinazione media $i \leq 15^\circ$
- Coeff. amplificazione topografica S_T : 1.00
- Fattore di comportamento per sisma verticale (qv): 1.50
- Modalità di calcolo modi di vibrare: Autovalori
- Numero modi: 9
- Modi da considerare: Tali da movimentare una percentuale di massa pari a 85.00%
- Trascura modi con massa movimentata minore di: 5.00%
- Smorzamento spettro: 5.00%

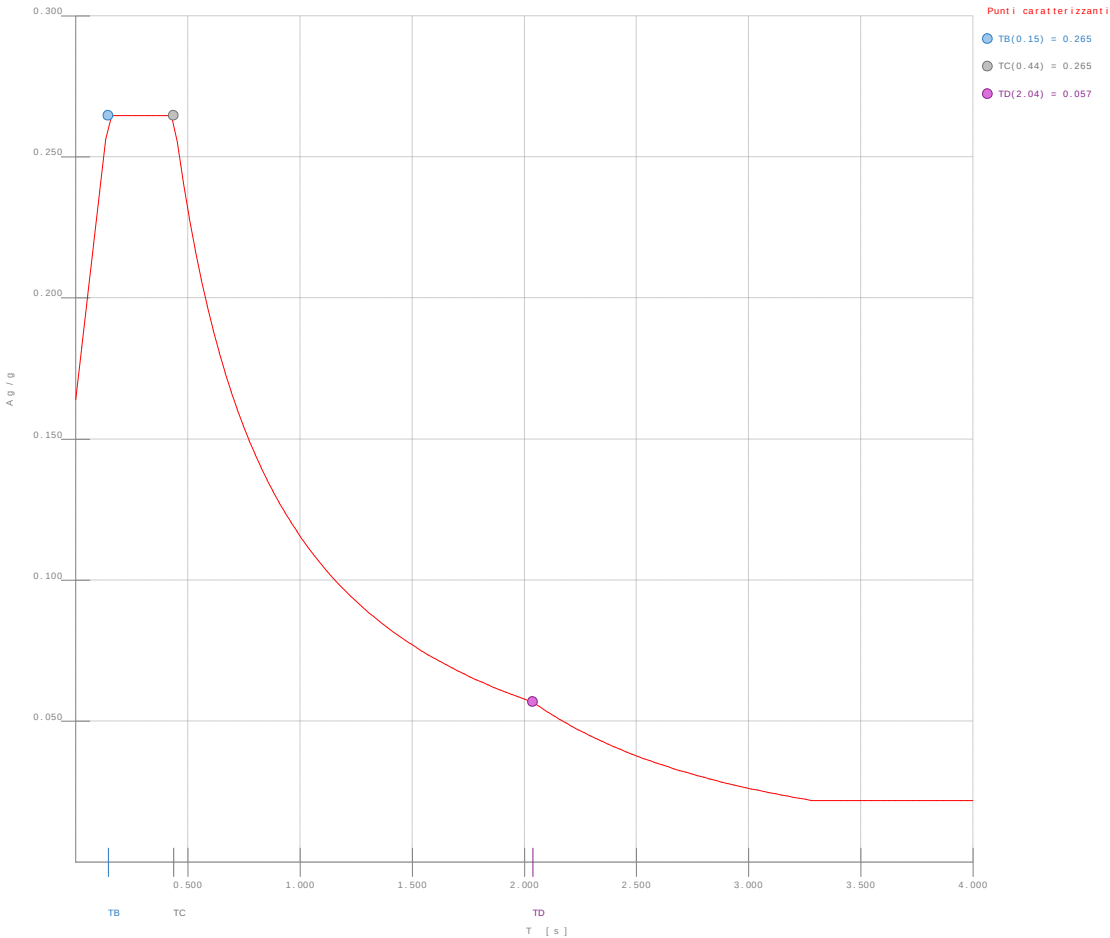


Figura numero 1: Spettro SLD

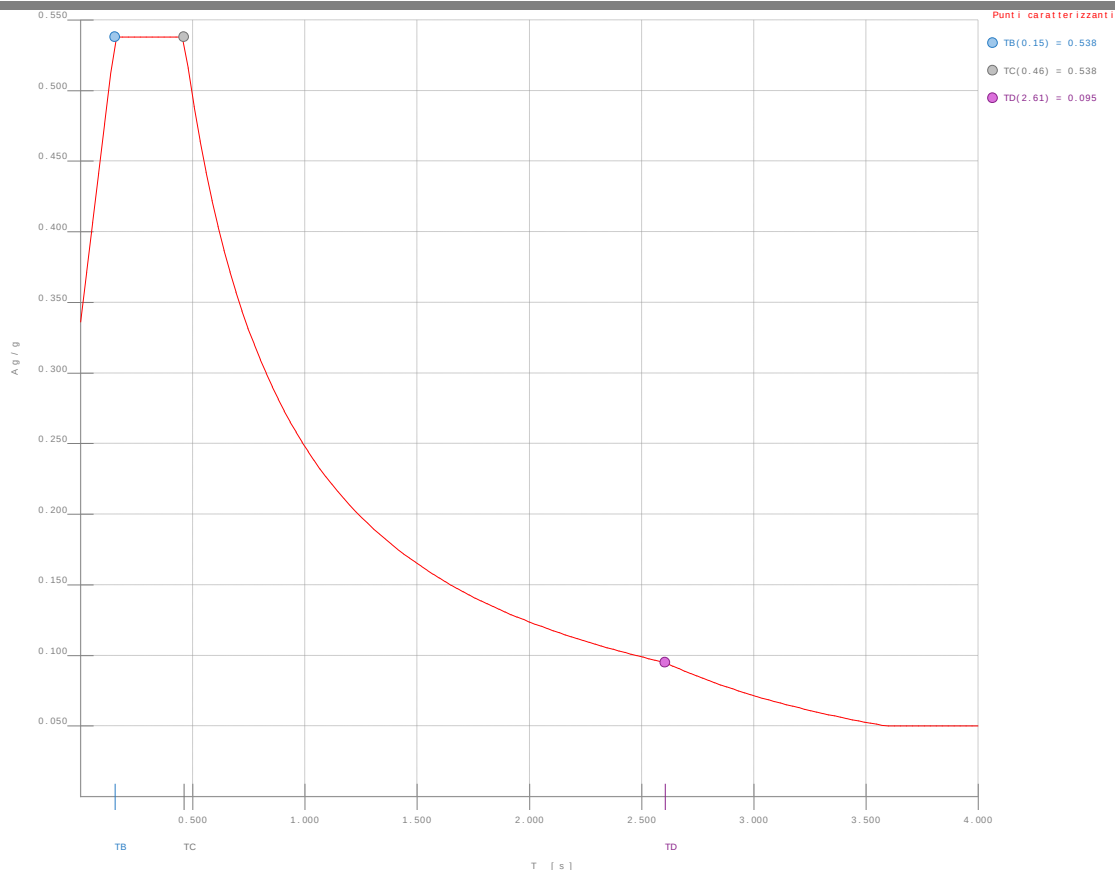


Figura numero 2: Spettro SND

- Angolo di ingresso del sisma: 0.00 <grad>

Ambienti di carico

Simbologia

N = Numero

Comm. = Commento

- 1=peso proprio
- 2=permanenti non strutturali
- 3=Carico accidentale Uffici
- 4=Accidentale copertura
- 5=Carico Neve

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

S = Sì

N = No

N	Comm.	1	2	3	4	5	S	SLU	SLR	SLF	SLQ
1	Calcolo sismico	S	S	S	S	S	S	S	N	N	N
2	Calcolo statico	S	S	S	S	N	S	S	S	S	S

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

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

SND = Stato limite di salvaguardia della vita (non dissipativo)

CC	Comm.	TCC	1	2	3	4	5	S
1	Amb. 1 (Sisma)	SLU S	1	1	ψ_2	ψ_2	ψ_2	1
2	Amb. 2 (SLU)	SLU	γ_{max}	γ_{max}	γ_{max}	γ_{max}	γ_{max}	-----
3	Amb. 2 (SLE R)	SLE R	1	1	1	1	1	-----

Relazione di calcolo

4	Amb. 2 (SLE F)	SLE F	1	1	Ψ_1	Ψ_1	Ψ_1	-----
5	Amb. 2 (SLE Q)	SLE Q	1	1	Ψ_2	Ψ_2	Ψ_2	-----

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

An. =Tipo di analisi
 L = Lineare
 NL = Non lineare
 PD = P-Delta
 Bk =Buckling
 S = Si
 N = No
 CC =Numero della combinazione delle condizioni di carico elementari
 Comm.=Commento
 TCC =Tipo di combinazione di carico
 SLU = Stato limite ultimo
 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
 SND = Stato limite di salvaguardia della vita (non dissipativo)

CC	Comm.	TCC	An.	Bk	1	2	3	4	5	Mt	±S X	±S Y
1	Amb. 1 (SLU S) S Mt+X+0.3Y	SND	L	N	1.00	1.00	0.30	0.00	0.00	1.00	1.00	0.30
2	Amb. 1 (SLE) S Mt+X+0.3Y	SLD	L	N	1.00	1.00	0.30	0.00	0.00	1.00	1.00	0.30
3	Amb. 1 (SLU S) S Mt+X-0.3Y	SND	L	N	1.00	1.00	0.30	0.00	0.00	1.00	1.00	-0.30
4	Amb. 1 (SLE) S Mt+X-0.3Y	SLD	L	N	1.00	1.00	0.30	0.00	0.00	1.00	1.00	-0.30
5	Amb. 1 (SLU S) S Mt+0.3X+Y	SND	L	N	1.00	1.00	0.30	0.00	0.00	1.00	0.30	1.00
6	Amb. 1 (SLE) S Mt+0.3X+Y	SLD	L	N	1.00	1.00	0.30	0.00	0.00	1.00	0.30	1.00
7	Amb. 1 (SLU S) S Mt-0.3X+Y	SND	L	N	1.00	1.00	0.30	0.00	0.00	1.00	-0.30	1.00
8	Amb. 1 (SLE) S Mt-0.3X+Y	SLD	L	N	1.00	1.00	0.30	0.00	0.00	1.00	-0.30	1.00
9	Amb. 1 (SLU S) S -Mt+X+0.3Y	SND	L	N	1.00	1.00	0.30	0.00	0.00	-1.00	1.00	0.30
10	Amb. 1 (SLE) S -Mt+X+0.3Y	SLD	L	N	1.00	1.00	0.30	0.00	0.00	-1.00	1.00	0.30
11	Amb. 1 (SLU S) S -Mt+X-0.3Y	SND	L	N	1.00	1.00	0.30	0.00	0.00	-1.00	1.00	-0.30
12	Amb. 1 (SLE) S -Mt+X-0.3Y	SLD	L	N	1.00	1.00	0.30	0.00	0.00	-1.00	1.00	-0.30
13	Amb. 1 (SLU S) S -Mt+0.3X+Y	SND	L	N	1.00	1.00	0.30	0.00	0.00	-1.00	0.30	1.00
14	Amb. 1 (SLE) S -Mt+0.3X+Y	SLD	L	N	1.00	1.00	0.30	0.00	0.00	-1.00	0.30	1.00
15	Amb. 1 (SLU S) S -Mt-0.3X+Y	SND	L	N	1.00	1.00	0.30	0.00	0.00	-1.00	-0.30	1.00
16	Amb. 1 (SLE) S -Mt-0.3X+Y	SLD	L	N	1.00	1.00	0.30	0.00	0.00	-1.00	-0.30	1.00
17	Amb. 2 (SLU)	SLU	L	N	1.30	1.50	1.50	1.50	1.50	0.00	0.00	0.00
18	Amb. 2 (SLE R)	SLE R	L	N	1.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00
19	Amb. 2 (SLE F)	SLE F	L	N	1.00	1.00	0.50	0.00	0.20	0.00	0.00	0.00
20	Amb. 2 (SLE Q)	SLE Q	L	N	1.00	1.00	0.30	0.00	0.00	0.00	0.00	0.00

Elenco baricentri e masse impalcanti

Simbologia

Imp.=Numero dell'impalcato
 Jpz =Massa rotazionale intorno all'asse Z
 Mo =Massa orizzontale
 X =Coordinata X
 Y =Coordinata Y
 Z =Coordinata Z

Imp.	X <m>	Y <m>	Z <m>	Mo <kg>	Jpz <kg*m²>
1	2.18	7.93	4.13	10831.90	50457.50
3	6.19	6.77	5.48	140359.00	5286610.00

Imp.	X <m>	Y <m>	Z <m>	Mo <kg>	Jpz <kg*m²>
2	14.39	6.80	4.64	54731.70	1031790.00

Totali masse impalcanti

Mo <kg>	Jpz <kg*m²>
205922.00	6368860.00

Elenco forze sismiche di impalcato allo SLD

Simbologia

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

Imp.	cx	cy	Mz
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Relazione di calcolo

			<daNm>
1	0.04	0.04	1898.61
2	0.24	0.24	10780.50
3	0.72	0.72	32622.40

Totali forze sismiche

Mz
<daNm>
45301.60

Elenco forze sismiche di impalcato allo SND

Imp.	cx	cy	Mz <daNm>
1	0.04	0.04	3858.51
2	0.24	0.24	21909.10
3	0.72	0.72	66298.00

Totali forze sismiche

Mz
<daNm>
92065.60

Elenco modi di vibrare, masse partecipanti e coefficienti di partecipazione

Simbologia

Φ_x = Coefficiente di partecipazione in dir. X
 Φ_y = Coefficiente di partecipazione in dir. Y
 Φ_z = Coefficiente di partecipazione in dir. Z
 $\%J_{pz}$ = Percentuale momento d'inerzia polare partecipante intorno all'asse Z
 $\%M_x$ = Percentuale massa partecipante in dir. X
 $\%M_y$ = Percentuale massa partecipante in dir. Y
 $\%M_z$ = Percentuale massa partecipante in dir. Z
C = * indica che il modo è stato considerato
Diff. = Minima differenza percentuale dagli altri periodi
Modo = Numero del modo di vibrare
T = Periodo

Modo	C	T	Diff.	Φ_x	Φ_y	Φ_z	$\%M_x$	$\%M_y$	$\%M_z$	$\%J_{pz}$
1	*	0.28	10.30	142.80	-4.49	0.00	99.03	0.10	0.00	0.36
2	*	0.26	10.30	4.89	142.84	0.00	0.12	99.09	0.00	0.00
3	*	0.22	17.45	10.06	-5.83	0.00	0.49	0.17	0.00	72.17
4		0.08	46.46	-6.24	-2.44	0.00	0.19	0.03	0.00	0.11
5		0.06	46.46	5.79	-2.84	0.00	0.16	0.04	0.00	0.25
6	*	0.03	24.67	0.27	10.11	0.00	0.00	0.50	0.00	25.49
7		0.02	24.67	-0.02	-3.95	0.00	0.00	0.08	0.00	0.48
8		0.01	44.92	-1.35	0.13	0.00	0.01	0.00	0.00	0.20
9		0.01	140.95	0.00	1.30	0.00	0.00	0.01	0.00	0.94
Tot.cons.							99.64	99.85	0.00	98.02

Elenco coefficienti di risposta

Simbologia

Modo = Numero del modo di vibrare
 S_x = Coefficiente di risposta (moltiplicato per 100) in dir. X
 S_y = Coefficiente di risposta (moltiplicato per 100) in dir. Y

Stato limite di danno

Modo	S_x	S_y
1	26.47	26.47
2	26.47	26.47
3	26.47	26.47
4	21.98	21.98
5	20.22	20.22
6	18.21	18.21
7	17.85	17.85
8	17.41	17.41
9	16.82	16.82

Stato limite di salvaguardia della vita

Modo	S_x	S_y
1	53.79	53.79
2	53.79	53.79
3	53.79	53.79
4	44.23	44.23
5	40.87	40.87
6	37.05	37.05

Relazione di calcolo

7	36.38	36.38
8	35.52	35.52
9	34.42	34.42

Domanda in duttilità di curvatura

Direzione X $\mu_{EdX}=3.24$

Direzione Y $\mu_{EdY}=3.45$

Sollecitazioni aste

Simbologia

Asta=Numero dell'asta

CC =Numero della combinazione delle condizioni di carico elementari

Mx =Momento torcente intorno all'asse X

My =Momento flettente intorno all'asse Y

Mz =Momento flettente intorno all'asse Z

N =Sforzo normale

N1 =Nodo1

N2 =Nodo2

Ty =Taglio in dir. Y

Tz =Taglio in dir. Z

X =Coordinata progressiva rispetto al nodo iniziale

Tipo di combinazione di carico: SND

Asta	N1	N2		X <cm>	N <daN>	CC	Ty <daN>	CC	Mz <daNm>	CC	Tz <daN>	CC	My <daNm>	CC	Mx <daNm>	CC
1	1	201	Max	0.00	-2505.94	1	3586.80	5	8808.89	13	13006.80	1	32990.30	9	221.45	1
1	1	201	Max	425.45	-777.56	1	3586.80	5	7595.59	5	13006.80	1	21057.70	1	221.45	1
1	1	201	Min.	0.00	-14159.60	9	-4005.37	13	-7664.75	5	-13458.20	9	-34283.40	1	-276.62	9
1	1	201	Min.	425.45	-12431.20	9	-4005.37	13	-8232.24	13	-13458.20	9	-24271.40	9	-276.62	9
2	2	202	Max	0.00	-6229.80	1	1090.27	5	3681.99	13	5758.42	1	16523.40	9	115.81	1
2	2	202	Max	567.23	-4457.20	1	1090.27	5	3148.96	5	5758.42	1	15721.20	1	115.81	1
2	2	202	Min.	0.00	-22308.20	9	-1262.15	13	-3035.42	5	-5586.74	9	-16942.60	1	-144.66	9
2	2	202	Min.	567.23	-20535.60	9	-1262.15	13	-3477.36	13	-5586.74	9	-15166.50	9	-144.66	9
3	3	203	Max	0.00	-2714.99	5	1928.44	13	5092.94	13	12004.00	1	35130.30	9	195.51	1
3	3	203	Max	482.51	-754.81	5	1928.44	13	4920.21	13	12004.00	1	24562.80	1	195.51	1
3	3	203	Min.	0.00	-19934.40	13	-2081.16	5	-4387.69	5	-12434.60	9	-33357.80	1	-244.22	9
3	3	203	Min.	482.51	-17974.20	13	-2081.16	5	-4951.82	5	-12434.60	9	-24867.90	9	-244.22	9
4	4	104	Max	0.00	-1764.76	5	2942.59	13	4873.19	5	11207.50	1	29663.30	9	228.53	1
4	4	104	Max	402.53	-129.47	5	2942.59	13	6060.40	13	11207.50	1	16671.20	1	228.53	1
4	4	104	Min.	0.00	-10733.10	13	-2213.85	5	-5784.72	13	-11408.90	9	-28467.30	1	-270.39	9
4	4	104	Min.	402.53	-9097.76	13	-2213.86	5	-4038.52	5	-11408.90	9	-16285.70	9	-270.39	9
5	5	105	Max	0.00	-6190.45	5	671.61	1	2046.16	9	746.04	5	1841.86	13	35.37	1
5	5	105	Max	489.53	-5425.55	5	671.61	1	1346.74	1	746.04	5	1690.53	5	35.37	1
5	5	105	Min.	0.00	-16066.50	13	-718.43	9	-1941.43	1	-693.63	13	-1961.59	5	-41.84	9
5	5	105	Min.	489.53	-15301.60	13	-718.43	9	-1471.23	9	-693.63	13	-1553.69	13	-41.84	9
5	105	223	Max	0.00	-238.27	5	2657.21	1	1058.90	1	11565.40	5	5567.20	13	23.03	5
5	105	223	Max	107.69	-70.00	5	2657.22	1	2161.82	1	11565.40	5	6086.42	5	23.03	5
5	105	223	Min.	0.00	-10310.20	13	-3012.15	9	-714.51	9	-10239.50	13	-6368.04	5	-34.21	13
5	105	223	Min.	107.69	-10141.90	13	-3012.16	9	-2199.66	9	-10239.50	13	-5459.44	13	-34.21	13
6	6	106	Max	0.00	-4449.95	5	2455.27	1	5877.12	9	7236.50	5	16153.30	13	158.93	1
6	6	106	Max	402.53	-3192.03	5	2455.28	1	4459.85	1	7236.50	5	12712.10	5	158.93	1
6	6	106	Min.	0.00	-11624.50	13	-2588.40	9	-5423.80	1	-6572.18	13	-16417.30	5	-188.04	9
6	6	106	Min.	402.53	-10366.60	13	-2588.40	9	-4542.39	9	-6572.17	13	-10301.90	13	-188.04	9
7	7	-734	Max	0.00	-6985.91	13	3845.77	1	8586.91	9	13458.30	13	33614.70	5	285.05	5
7	7	-734	Max	393.00	-5389.35	13	3845.77	1	6437.12	1	13458.30	13	19966.00	13	285.05	5
7	7	-734	Min.	0.00	-12560.30	5	-4168.17	9	-8678.20	1	-13620.40	5	-32925.10	13	-344.57	13
7	7	-734	Min.	393.00	-10963.70	5	-4168.17	9	-7795.44	9	-13620.40	5	-19913.50	5	-344.57	13
7	-734	207	Max	0.00	-3579.85	9	23634.00	13	5642.42	1	14626.10	13	20720.50	13	3604.99	13
7	-734	207	Max	12.45	-3529.28	9	23633.90	13	5125.56	1	14626.10	13	22538.70	13	3604.99	13
7	-734	207	Min.	0.00	-9205.55	1	-27434.00	5	-5556.00	9	-10835.00	5	-20270.30	5	-3610.40	5
7	-734	207	Min.	12.45	-9154.99	1	-27433.90	5	-5512.14	9	-10835.00	5	-21616.60	5	-3610.40	5
8	8	-735	Max	0.00	-15759.10	13	3466.79	1	7029.22	9	6704.02	13	16780.90	5	198.23	5
8	8	-735	Max	393.00	-14531.00	13	3466.80	1	6187.98	1	6704.02	13	10332.70	13	198.23	5
8	8	-735	Min.	0.00	-23457.70	5	-3204.91	9	-7436.82	1	-7033.39	5	-16014.20	13	-239.63	13
8	8	-735	Min.	393.00	-22229.60	5	-3204.91	9	-5566.40	9	-7033.39	5	-10860.40	5	-239.63	13
8	-735	208	Max	0.00	-13011.40	9	3958.27	9	3146.67	1	4003.56	13	10388.90	13	243.07	13
8	-735	208	Max	170.38	-12478.90	9	3958.26	9	1542.61	9	4003.55	13	4694.74	13	243.07	13
8	-735	208	Min.	0.00	-19930.50	1	-2024.06	1	-5203.16	9	-3374.90	5	-10642.10	5	-243.43	5
8	-735	208	Min.	170.38	-19398.00	1	-2024.06	1	-303.60	1	-3374.90	5	-3876.88	5	-243.43	5
9	9	209	Max	0.00	-6285.83	13	1883.78	1	4995.60	9	5820.48	5	13838.00	13	136.30	1
9	9	209	Max	481.00	-4782.71	13	1883.78	1	4016.21	1	5820.49	5	12843.80	5	136.30	1
9	9	209	Min.	0.00	-11798.10	5	-1878.68	9	-5045.62	1	-4942.51	13	-15152.90	5	-170.26	9
9	9	209	Min.	481.00	-10294.90	5	-1878.68	9	-4041.70	9	-4942.51	13	-9935.65	13	-170.26	9
10	10	110	Max	0.00	-11531.40	9	630.16	9	1932.14	1	614.34	5	1988.57	13	35.37	1
10	10	110	Max	489.53	-10766.50	9	630.15	9	1240.22	9	614.34	5	1354.97	5	35.37	1
10	10	110	Min.	0.00	-12798.40	1	-673.95	1	-1844.61	9	-752.73	13	-1652.43	5	-41.84	9

Relazione di calcolo

10	10	110	Min.	489.53	-12033.50	1	-673.95	1	-1367.08	1	-752.73	13	-1696.32	13	-41.84	9
10	110	210	Max	0.00	-4927.60	5	2829.28	9	1112.16	1	8459.55	5	5857.96	13	23.03	5
10	110	210	Max	107.69	-4759.34	5	2829.31	9	2257.33	9	8459.63	5	4454.06	5	23.03	5
10	110	210	Min.	0.00	-5835.83	13	-3118.27	1	-789.50	9	-10514.90	13	-4656.01	5	-34.21	13
10	110	210	Min.	107.69	-5667.57	13	-3118.30	1	-2245.87	1	-10515.00	13	-5465.49	13	-34.21	13
11	11	111	Max	0.00	-3573.27	13	2310.96	9	5534.00	1	6869.95	5	18504.20	13	158.93	1
11	11	111	Max	402.53	-2315.35	13	2310.96	9	4230.88	9	6869.95	5	11866.80	5	158.93	1
11	11	111	Min.	0.00	-10297.70	5	-2438.52	1	-5071.60	9	-8199.87	13	-15787.10	5	-188.04	9
11	11	111	Min.	402.53	-9039.80	5	-2438.52	1	-4281.93	1	-8199.88	13	-14503.10	13	-188.04	9
12	12	-736	Max	0.00	-5984.85	1	3654.66	9	8110.73	1	12822.50	13	32796.90	5	285.05	5
12	12	-736	Max	393.00	-4388.28	1	3654.66	9	6075.99	9	12822.50	13	19464.80	13	285.05	5
12	12	-736	Min.	0.00	-9376.63	9	-3926.23	1	-8287.95	9	-13451.70	5	-30927.90	13	-344.57	13
12	12	-736	Min.	393.00	-7780.06	9	-3926.23	1	-7320.47	1	-13451.70	5	-20068.30	5	-344.57	13
12	-736	212	Max	0.00	-1321.93	9	25913.40	5	5167.22	9	26533.20	13	19758.40	13	3604.99	13
12	-736	212	Max	12.45	-1271.36	9	25913.30	5	5156.34	9	26533.20	13	23059.60	13	3604.99	13
12	-736	212	Min.	0.00	-7434.42	1	-25919.20	13	-4991.79	1	-32264.20	5	-20759.00	5	-3610.40	5
12	-736	212	Min.	12.45	-7383.85	1	-25919.10	13	-4981.64	1	-32264.10	5	-24773.60	5	-3610.40	5
13	13	-737	Max	0.00	-14131.50	1	3471.15	9	6880.48	1	6431.45	13	16768.10	5	198.23	5
13	13	-737	Max	393.00	-12903.40	1	3471.16	9	6881.83	9	6431.45	13	10281.80	13	198.23	5
13	13	-737	Min.	0.00	-19236.60	9	-3135.47	1	-7460.24	9	-6987.81	5	-14993.90	13	-239.63	13
13	13	-737	Min.	393.00	-18008.40	9	-3135.47	1	-5442.37	1	-6987.82	5	-10694.10	5	-239.63	13
13	-737	213	Max	0.00	-10357.00	1	3851.74	1	3129.42	9	3561.09	13	10140.70	13	243.07	13
13	-737	213	Max	170.38	-9824.57	1	3851.73	1	1548.93	5	3561.09	13	3468.73	13	243.07	13
13	-737	213	Min.	0.00	-16953.40	9	-1976.52	9	-5099.20	1	-3926.83	5	-10615.10	5	-243.43	5
13	-737	213	Min.	170.38	-16421.00	9	-1976.51	9	-323.70	13	-3926.83	5	-4566.29	5	-243.43	5
14	14	214	Max	0.00	-5906.15	13	1608.99	9	4429.21	1	4717.00	5	16000.60	13	136.30	1
14	14	214	Max	481.00	-4403.03	13	1608.99	9	3160.96	9	4717.00	5	9979.73	5	136.30	1
14	14	214	Min.	0.00	-8967.07	5	-1568.22	1	-4578.29	9	-6027.91	13	-12709.10	5	-170.26	9
14	14	214	Min.	481.00	-7463.95	5	-1568.22	1	-3113.94	1	-6027.91	13	-12993.60	13	-170.26	9
15	15	215	Max	0.00	260.60	1	4102.21	5	7681.26	13	12155.80	9	28462.90	1	221.45	1
15	15	215	Max	425.45	1988.98	1	4102.21	5	8771.31	5	12155.80	9	19916.50	9	221.45	1
15	15	215	Min.	0.00	-11112.90	9	-3696.15	13	-8681.73	5	-11673.00	1	-31801.00	9	-276.62	9
15	15	215	Min.	425.45	-9384.47	9	-3696.16	13	-8044.22	13	-11673.00	1	-21200.40	1	-276.62	9
16	16	216	Max	0.00	-3710.20	9	1276.01	5	2861.28	13	5270.13	9	14292.10	1	115.81	1
16	16	216	Max	567.23	-1937.60	9	1276.01	5	3526.88	5	5270.14	9	14385.50	9	115.81	1
16	16	216	Min.	0.00	-17225.70	1	-1037.39	13	-3711.11	5	-4819.16	1	-15508.60	9	-144.66	9
16	16	216	Min.	567.23	-15453.10	1	-1037.39	13	-3023.22	13	-4819.16	1	-13044.00	1	-144.66	9
17	17	217	Max	0.00	-6565.46	5	2786.75	13	4827.30	5	11129.50	9	29933.20	1	195.51	1
17	17	217	Max	482.51	-4605.29	5	2786.75	13	6595.86	13	11129.50	9	22717.90	9	195.51	1
17	17	217	Min.	0.00	-15898.10	13	-2046.39	5	-6850.49	13	-10680.00	1	-30982.80	9	-244.22	9
17	17	217	Min.	482.51	-13938.00	13	-2046.39	5	-5046.76	5	-10680.00	1	-21598.70	1	-244.22	9
18	18	118	Max	0.00	-8855.59	5	1189.25	13	2263.98	5	7915.66	9	23670.70	1	188.30	1
18	18	118	Max	489.53	-6866.86	5	1189.25	13	1874.19	13	7915.66	9	14564.80	9	188.30	1
18	18	118	Min.	0.00	-17304.90	13	-700.39	5	-3953.41	13	-7868.15	1	-24195.30	9	-222.79	9
18	18	118	Min.	489.53	-15316.20	13	-700.39	5	-1170.46	5	-7868.15	1	-14856.90	1	-222.79	9
18	118	218	Max	0.00	-2966.72	5	12926.30	13	5117.95	5	4255.30	9	10737.10	9	122.60	5
18	118	218	Max	107.69	-2529.24	5	12926.40	13	9468.88	13	4255.32	9	14565.20	9	122.60	5
18	118	218	Min.	0.00	-9152.58	13	-13205.30	5	-4537.44	13	-3520.33	1	-10217.00	1	-182.13	13
18	118	218	Min.	107.69	-8715.10	13	-13205.40	5	-9188.85	5	-3520.34	1	-13253.70	1	-182.13	13
19	19	119	Max	0.00	-3992.92	13	3098.05	13	5320.04	5	9085.62	9	25307.20	1	228.53	1
19	19	119	Max	402.53	-2357.63	13	3098.05	13	5361.07	13	9085.62	9	12845.50	9	228.53	1
19	19	119	Min.	0.00	-9847.36	5	-2476.81	5	-7113.40	13	-9319.10	1	-23735.70	9	-270.39	9
19	19	119	Min.	402.53	-8212.07	5	-2476.81	5	-4653.73	5	-9319.10	1	-12213.90	1	-270.39	9
102	120	104	Max	24.44	26144.60	1	2042.88	13	4618.59	5	4185.85	9	5186.58	1	201.27	5
102	120	104	Max	351.18	25939.00	1	2042.88	13	2800.67	13	3227.46	9	6414.97	9	201.27	5
102	120	104	Min.	24.44	-26580.10	9	-2673.62	5	-3874.16	13	-3168.28	1	-5701.05	9	-624.40	13
102	120	104	Min.	351.18	-26785.70	9	-2673.62	5	-4117.07	5	-4126.67	1	-6736.08	1	-624.40	13
102	104	21	Max	0.00	39824.70	1	4459.17	13	6464.75	5	8784.22	9	9220.81	9	1078.46	5
102	104	21	Max	115.00	39752.30	1	4459.17	13	2047.53	13	8446.90	9	33.87	1	1078.46	5
102	104	21	Min.	0.00	-37089.70	9	-9891.40	5	-3092.10	13	-7896.06	1	-9874.75	9	-739.11	13
102	104	21	Min.	115.00	-37162.00	9	-9891.40	5	-4921.96	5	-8233.38	1	-54.35	1	-739.11	13
103	105	106	Max	24.44	10060.60	9	413.52	13	458.42	5	1630.20	9	2180.27	1	284.18	13
103	105	106	Max	379.54					-412.89	15			403.83	15		
103	105	106	Max	390.29	9922.49	9	413.52	13	861.99	13	986.34	9	2220.28	9	284.18	13
103	105	106	Min.	24.44	-5992.85	1	-292.30	5	-650.86	13	-953.05	1	-2565.94	9	-205.34	5
103	105	106	Min.	379.54					785.33	15			-501.14	15		
103	105	106	Min.	390.29	-6130.99	1	-292.30	5	-610.94	5	-1596.91	1	-2484.16	1	-205.34	5
103	106	22	Max	0.00	15213.40	1	3368.25	13	1558.50	5	2965.59	9	2764.32	1	831.20	5
103	106	22	Max	115.00	15169.90	1	3368.25	13	1579.00	13	2763.20	9	49.15	1	831.20	5
103	106	22	Min.	0.00	-9539.07	9	-2177.57	5	-2297.93	13	-2263.35	1	-3313.39	9	-978.61	13
103	106	22	Min.	115.00	-9582.49	9	-2177.57	5	-949.15	5	-2465.75	1	-23.39	9	-978.61	13
105	110	111	Max	24.44	10264.50	1	312.37	13	592.05	5	1565.45	1	2099.24	9	185.37	13
105	110	111	Max	390.29	10126.40	1	312.37	13	640.18	13	921.59	1	2094.54	1	185.37	13
105	110	111	Min.	24.44	-5449.33	9	-354.89	5	-502.67	13	-899.29	9	-2454.78	1	-154.17	5
105	110	111	Min.	390.29	-5587.47	9	-354.89	5	-706.36	5	-1543.16	9	-2368.53	9	-154.17	5
105	111	23	Max	0.00	15032.80	9	1952.33	13	1719.96	5	2810.56	1	2663.50	9	806.31	5
105	111	23	Max	115.00	14989.30	9	1952.33	13	752.34	13	2608.16	1	55.71	9	806.31	5
105	111	23	Min.	0.00	-9880.91	1	-2480.15	5	-1493.62	13	-2170.12	9	-3155.70	1	-1013.86	13
105	111	23	Min.	115.00	-9924.33	1	-2480.15	5	-1132.99	5	-2372.51	9	-44.16	1	-1013.86	13

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107	118	119	Max	31.78	16363.90	1	685.20	13	1035.28	5	2774.74	1	3731.50	9	166.76	5
107	118	119	Max	351.17	16243.30	1	685.20	13	1018.32	13	2212.61	1	3978.44	1	166.76	5
107	118	119	Min.	31.78	-12603.50	9	-597.81	5	-1170.27	13	-2201.99	9	-3987.15	1	-147.02	13
107	118	119	Min.	351.17	-12724.10	9	-597.81	5	-874.19	5	-2764.11	9	-4200.14	9	-147.02	13
107	119	24	Max	0.00	21876.50	9	2742.47	13	1521.00	5	5217.25	1	5309.52	9	280.46	5
107	119	24	Max	115.00	21833.10	9	2742.47	13	1409.78	13	5014.85	1	296.72	1	280.46	5
107	119	24	Min.	0.00	-17999.30	1	-2489.39	5	-1750.44	13	-4745.23	9	-5595.55	1	-506.23	13
107	119	24	Min.	115.00	-18042.70	1	-2489.39	5	-1348.18	5	-4947.63	9	-272.69	9	-506.23	13
108	25	26	Max	0.00	9186.39	9	245.48	13	737.31	5	952.44	1	1158.57	9	141.77	1
108	25	26	Max	59.15					475.05	13			385.16	13		
108	25	26	Max	414.73	9029.79	9	245.48	13	469.92	13	222.54	1	964.28	1	141.77	1
108	25	26	Min.	0.00	-7131.19	1	-331.34	5	-548.80	13	-266.23	9	-1472.25	1	-113.61	9
108	25	26	Min.	59.15					-403.65	13			-243.18	13		
108	25	26	Min.	414.73	-7287.79	1	-331.34	5	-637.50	5	-996.13	9	-1459.15	9	-113.61	9
108	26	27	Max	0.00	10181.70	9	2348.55	13	1707.55	5	1572.65	1	1592.07	9	220.01	9
108	26	27	Max	34.31					-392.94	7			128.05	7		
108	26	27	Max	115.00	10138.20	9	2348.55	13	1380.83	13	1370.25	1	214.44	9	220.01	9
108	26	27	Min.	0.00	-9951.15	1	-2944.89	5	-1320.25	13	-1138.24	9	-1899.74	1	-100.54	1
108	26	27	Min.	34.31					665.96	7			-454.54	7		
108	26	27	Min.	115.00	-9994.58	1	-2944.89	5	-1679.32	5	-1340.63	9	-255.29	1	-100.54	1
113	120	-714	Max	0.00	0.00	1	1196.13	5	569.39	13	2792.32	5	1023.98	13	1688.71	1
113	120	-714	Max	58.33	0.00	1	1069.71	5	201.24	5	2197.56	5	565.12	5	1688.71	1
113	120	-714	Min.	0.00	0.00	1	-1252.41	13	-460.19	5	-2599.93	13	-890.52	5	-1907.85	9
113	120	-714	Min.	58.33	0.00	1	-1378.83	13	-198.62	13	-3194.69	13	-666.38	13	-1907.85	9
113	-714	-715	Max	0.00	0.00	1	515.08	5	391.43	13	1292.49	5	586.56	13	246.30	9
113	-714	-715	Max	58.33	0.00	1	388.66	5	61.44	13	697.74	5	15.45	5	246.30	9
113	-714	-715	Min.	0.00	0.00	1	-502.54	13	-364.86	5	-948.52	13	-565.12	5	-264.05	1
113	-714	-715	Min.	58.33	0.00	1	-628.96	13	-101.30	5	-1543.28	13	-140.29	13	-264.05	1
113	-715	121	Max	0.00	0.00	1	3040.05	5	397.02	5	6853.07	5	525.55	13	110.07	13
113	-715	121	Max	58.33	0.00	1	2913.63	5	2133.51	5	6258.31	5	3261.31	5	110.07	13
113	-715	121	Min.	0.00	0.00	1	-3288.30	13	-503.12	13	-7083.43	13	-562.85	5	-76.95	5
113	-715	121	Min.	58.33	0.00	1	-3414.72	13	-2458.17	13	-7678.19	13	-3779.93	13	-76.95	5
113	121	105	Max	0.00	0.00	1	2881.94	13	3978.90	5	4728.11	13	3991.48	5	355.12	9
113	121	105	Max	30.03					1378.10	1			1351.75	1		
113	121	105	Max	256.00	0.00	1	2119.56	13	2659.84	13	1141.39	13	2587.41	13	355.12	9
113	121	105	Min.	0.00	0.00	1	-2428.82	5	-3742.10	13	-1448.33	5	-4925.57	13	-236.04	1
113	121	105	Min.	30.03					-631.49	1			-965.21	1		
113	121	105	Min.	256.00	0.00	1	-3191.20	5	-3214.77	5	-5035.05	5	-4307.27	5	-236.04	1
113	105	110	Max	0.00	0.00	1	2146.89	13	1907.16	5	3869.02	13	1639.73	5	79.76	9
113	105	110	Max	187.39					323.25	9			508.09	9		
113	105	110	Max	255.00	0.00	1	1387.49	13	1980.19	13	296.31	13	1782.95	13	79.76	9
113	105	110	Min.	0.00	0.00	1	-1350.10	5	-2526.14	13	-200.08	5	-3527.84	13	-42.53	1
113	105	110	Min.	187.39					-358.31	9			-282.17	9		
113	105	110	Min.	255.00	0.00	1	-2109.50	5	-2503.84	5	-3772.79	5	-3425.67	5	-42.53	1
113	110	118	Max	0.00	0.00	1	2532.77	13	1769.82	5	4765.23	13	865.16	5	195.23	9
113	110	118	Max	340.10					3538.40	13			3159.34	13		
113	110	118	Max	354.00	-0.00	1	1478.54	13	3746.72	13	-194.53	13	3145.82	13	195.23	9
113	110	118	Min.	0.00	0.00	1	-849.07	5	-3354.01	13	956.71	5	-4945.04	13	-227.08	1
113	110	118	Min.	340.10					-2370.80	13			-3458.18	13		
113	110	118	Min.	354.00	-0.00	1	-1903.30	5	-3102.59	5	-4003.06	5	-4527.61	5	-227.08	1
113	118	25	Max	0.00	0.00	1	1522.29	9	104.19	5	2623.13	9	4.48	5	1472.25	1
113	118	25	Max	72.20					211.65	5			269.81	5		
113	118	25	Max	115.00	0.00	1	1273.06	9	224.53	5	1450.61	9	247.05	5	1472.25	1
113	118	25	Min.	0.00	0.00	1	135.54	1	-1771.04	13	602.18	1	-2286.62	13	-1158.57	9
113	118	25	Min.	62.74					-764.68	1			-759.78	1		
113	118	25	Min.	115.00	0.00	1	-113.69	1	-271.50	13	-570.34	1	-168.49	13	-1158.57	9
115	-1424	104	Max	0.00	0.00	1	1958.65	13	-512.14	13	1034.16	5	1265.45	5	702.07	9
115	-1424	104	Max	72.71					672.99	5			1641.37	5		
115	-1424	104	Max	150.00	0.00	1	2412.12	13	2765.89	13	-1099.28	5	1216.55	5	702.07	9
115	-1424	104	Min.	0.00	0.00	1	-181.88	5	-1361.53	5	-1747.39	13	702.26	13	-683.22	1
115	-1424	104	Min.	72.71					-1413.82	5			-601.37	5		
115	-1424	104	Min.	150.00	0.00	1	271.60	5	-1294.20	5	-3880.82	13	-3518.84	13	-683.22	1
115	106	-1424	Max	50.00	-0.00	1	-65.91	13	3297.93	5	3997.41	5	1479.38	13	702.07	9
115	106	-1424	Max	138.32					930.20	13			2034.15	13		
115	106	-1424	Max	281.00	-0.00	1	632.44	13	-1057.25	13	711.92	5	1250.71	5	702.07	9
115	106	-1424	Min.	50.00	-0.00	1	-2396.23	5	-1711.69	13	1256.20	13	-4188.64	5	-683.22	1
115	106	-1424	Min.	138.32					-1651.99	13			-806.41	13		
115	106	-1424	Min.	281.00	-0.00	1	-1697.88	5	-1430.88	5	-2029.29	13	586.39	13	-683.22	1
115	111	106	Max	50.00	0.00	1	4451.61	13	4583.36	5	6285.84	5	5304.88	13	99.70	9
115	111	106	Max	228.68					666.10	3			523.99	3		
115	111	106	Max	280.00	0.00	1	5146.94	13	6228.12	13	3014.57	5	4917.24	5	99.70	9
115	111	106	Min.	50.00	0.00	1	-4343.62	5	-4810.51	13	-4066.79	13	-5778.52	5	-92.50	1
115	111	106	Min.	228.68					-430.26	3			-757.62	3		
115	111	106	Min.	280.00	0.00	1	-3648.29	5	-4607.62	5	-7338.06	13	-7810.98	13	-92.50	1
115	119	111	Max	25.00	0.00	1	1523.51	13	2496.61	5	3986.98	5	2630.31	13	662.64	9
115	119	111	Max	37.13					1662.63	13			2640.77	13		
115	119	111	Max	379.00	-0.00	1	2593.71	13	4006.55	13	-1047.92	5	1320.34	5	662.64	9
115	119	111	Min.	25.00	0.00	1	-1864.02	5	-3282.41	13	172.07	13	-3883.36	5	-630.23	1
115	119	111	Min.	37.13					-3095.39	13			-2721.83	13		

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115	119	111	Min.	379.00	-0.00	1	-793.81	5	-2209.23	5	-4862.83	13	-5673.90	13	-630.23	1
115	26	119	Max	0.00	0.00	1	873.84	9	249.66	13	81.78	1	391.70	5	2863.73	1
115	26	119	Max	115.00	-0.00	1	1221.51	9	1297.98	9	-1553.85	1	-659.88	1	2863.73	1
115	26	119	Min.	0.00	0.00	1	331.22	1	-340.82	5	-708.99	9	-200.81	13	-3050.93	9
115	26	119	Min.	115.00	-0.00	1	678.89	1	396.51	1	-2344.62	9	-1751.48	9	-3050.93	9
116	22	21	Max	0.00	0.00	1	-66.91	9	123.66	1	522.69	1	-89.10	9	54.24	1
116	22	21	Max	296.87					-49.00	1			292.58	1		
116	22	21	Max	456.00	-0.00	1	103.75	9	77.29	9	-280.17	1	69.67	1	54.24	1
116	22	21	Min.	0.00	0.00	1	-125.44	1	-6.72	9	345.74	9	-483.29	1	-33.76	9
116	22	21	Min.	296.87					-83.81	1			187.36	1		
116	22	21	Min.	456.00	-0.00	1	45.22	1	-59.24	1	-457.12	9	-343.05	9	-33.76	9
116	23	22	Max	0.00	0.00	1	44.00	13	146.98	5	473.43	5	98.43	13	9.44	5
116	23	22	Max	260.29					179.69	5			168.37	5		
116	23	22	Max	280.00	-0.00	1	148.79	13	230.61	13	-19.56	5	165.05	5	9.44	5
116	23	22	Min.	0.00	0.00	1	-126.97	5	-45.00	13	-46.85	13	-487.33	5	-14.71	13
116	23	22	Min.	265.88					-56.86	7			-570.86	7		
116	23	22	Min.	280.00	-0.00	1	-22.18	5	-67.52	5	-539.84	13	-739.91	13	-14.71	13
116	24	23	Max	0.00	0.00	1	62.53	13	232.02	5	569.48	5	751.50	13	41.38	1
116	24	23	Max	5.62					223.72	5			570.58	5		
116	24	23	Max	379.00	-0.00	1	204.37	13	232.50	13	-97.81	5	116.74	5	41.38	1
116	24	23	Min.	0.00	0.00	1	-148.78	5	-273.30	13	-70.54	13	-777.10	5	-58.19	9
116	24	23	Min.	5.62					-211.33	5			-745.39	5		
116	24	23	Min.	379.00	-0.00	1	-6.95	5	-63.10	5	-737.83	13	-780.40	13	-58.19	9
116	27	24	Max	0.00	0.00	1	293.67	5	106.95	13	963.55	13	303.81	5	214.46	9
116	27	24	Max	115.00	-0.00	1	336.70	5	269.75	5	761.07	13	635.47	13	214.46	9
116	27	24	Min.	0.00	0.00	1	-292.21	13	-92.71	5	-902.82	5	-356.19	13	-255.31	1
116	27	24	Min.	115.00	-0.00	1	-249.17	13	-204.34	13	-1105.29	5	-850.85	5	-255.31	1
201	-741	229	Max	0.00	7619.64	9	1847.81	13	2182.14	5	1605.38	9	412.56	9	168.90	9
201	-741	229	Max	120.72					-1484.24	15			330.16	15		
201	-741	229	Max	123.84	7743.83	9	1847.81	13	1052.84	5	1255.22	9	2177.40	9	168.90	9
201	-741	229	Min.	0.00	-9682.34	1	-3497.27	5	-1279.22	13	-1872.32	1	-460.53	1	-71.29	1
201	-741	229	Min.	120.72					352.25	15			-812.15	15		
201	-741	229	Min.	123.84	-9558.15	1	-3497.27	5	-2192.68	13	-2222.48	1	-2989.60	1	-71.29	1
201	229	226	Max	0.00	6999.31	1	185.45	5	1055.52	13	841.04	9	579.54	1	187.71	9
201	229	226	Max	119.10					318.19	1			778.93	1		
201	229	226	Max	472.69	7473.31	1	185.45	5	536.68	5	-495.46	9	-411.31	9	187.71	9
201	229	226	Min.	0.00	-7079.55	9	-514.52	13	-386.05	5	333.43	1	-1234.25	9	-98.49	1
201	229	226	Min.	130.71					-52.76	9			-379.65	9		
201	229	226	Min.	472.69	-6605.55	9	-514.52	13	-1422.72	13	-1003.07	1	-1009.29	1	-98.49	1
201	36	226	Max	0.00	8600.71	13	655.62	13	361.70	5	613.89	1	-281.91	9	98.03	5
201	36	226	Max	211.07					244.56	9			344.41	9		
201	36	226	Max	391.75	8945.54	13	655.62	13	1499.60	13	-509.64	1	-113.50	9	98.03	5
201	36	226	Min.	0.00	-11601.10	5	-237.21	5	-1068.81	13	554.97	9	-415.20	1	-205.10	13
201	36	226	Min.	211.94					-69.08	1			147.52	1		
201	36	226	Min.	391.75	-11256.20	5	-237.21	5	-567.59	5	-568.56	9	-406.04	1	-205.10	13
201	224	36	Max	0.00	30476.50	9	2500.68	5	2773.60	13	8483.24	1	3257.08	9	594.37	13
201	224	36	Max	40.00	30434.60	9	2500.68	5	327.93	5	8370.77	1	-281.95	9	594.37	13
201	224	36	Min.	0.00	-22959.80	1	-10085.50	13	-672.35	5	-8803.79	9	-3780.98	1	-135.31	5
201	224	36	Min.	40.00	-23001.60	1	-10085.50	13	-1260.59	13	-8916.26	9	-415.17	1	-135.31	5
201	225	224	Max	0.00	12114.00	5	-139.97	13	619.04	1	890.73	1	220.83	9	165.31	5
201	225	224	Max	316.67					-111.30	1			621.00	1		
201	225	224	Max	395.83	11700.00	5	-139.97	13	-93.85	5	-222.27	1	533.06	1	165.31	5
201	225	224	Min.	0.00	-10215.60	13	-325.86	5	302.26	9	166.03	9	-790.16	1	-165.82	13
201	225	224	Min.	316.67					-426.35	1			-581.32	1		
201	225	224	Min.	395.83	-10629.60	13	-325.86	5	-828.76	13	-946.97	9	-1324.99	9	-165.82	13
201	-738	225	Max	0.00	2132.08	1	-449.55	13	1386.56	1	110.72	9	76.01	1	145.20	13
201	-738	225	Max	1.72					1207.24	9			72.40	9		
201	-738	225	Max	135.60	1982.23	1	-449.55	13	-117.07	13	-267.48	9	-154.02	9	145.20	13
201	-738	225	Min.	0.00	712.64	9	-2453.27	5	487.43	9	-18.76	1	-143.40	9	-214.68	5
201	-738	225	Min.	1.72					475.75	9			-141.55	9		
201	-738	225	Min.	135.60	562.79	9	-2453.27	5	-1945.22	5	-396.96	1	-301.52	1	-214.68	5
202	-698	201	Max	0.00	28631.20	9	7218.04	13	3042.01	5	10223.60	9	524.66	1	688.59	5
202	-698	201	Max	120.72					-4317.67	7			1083.33	7		
202	-698	201	Max	123.84	29344.10	9	7218.04	13	5497.52	13	8213.41	9	10929.00	9	688.59	5
202	-698	201	Min.	0.00	-22702.10	1	-6676.84	5	-3442.82	13	-9992.43	1	-504.48	9	-648.29	13
202	-698	201	Min.	120.72					3931.46	7			-4572.12	7		
202	-698	201	Min.	123.84	-21989.20	1	-6676.84	5	-5228.09	5	-12002.60	1	-13112.00	1	-648.29	13
202	201	202	Max	61.26	24403.80	9	1870.08	13	3245.29	5	6208.43	9	6349.07	1	157.07	13
202	201	202	Max	126.75					2031.89	5			2170.01	5		
202	201	202	Max	393.78	26317.80	9	1870.08	13	2912.25	13	811.23	9	3504.23	9	157.07	13
202	201	202	Min.	61.26	-14936.70	1	-1853.02	5	-3306.86	13	-1282.92	1	-8169.08	9	-136.37	5
202	201	202	Min.	126.75					-1832.59	5			-858.11	5		
202	201	202	Min.	393.78	-13022.70	1	-1853.02	5	-2917.11	5	-6680.12	1	-6892.68	1	-136.37	5
202	202	219	Max	16.49	35932.40	9	17802.70	13	3146.53	5	22797.50	9	5056.11	1	732.82	9
202	202	219	Max	48.28	36115.50	9	17802.70	13	2612.39	5	22281.50	9	-809.91	1	732.82	9
202	202	219	Min.	16.49	-62622.00	1	-19799.10	5	-3511.01	13	-18207.40	1	-8999.97	9	-335.02	1
202	202	219	Min.	48.28	-62438.90	1	-19799.10	5	-3611.51	13	-18723.30	1	-1838.80	9	-335.02	1
202	219	31	Max	0.00	16110.70	13	776.33	13	1479.81	5	3553.86	9	-1536.21	1	-10.25	9
202	219	31	Max	216.02					14.63	9			1528.32	9		

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202	219	31	Max	391.75	14131.10	13	776.33	13	1473.17	13	-2895.90	9	-1018.63	9	-10.25	9
202	219	31	Min.	0.00	-12757.60	5	-803.48	5	-1568.49	13	2973.13	1	-2307.48	9	-90.32	1
202	219	31	Min.	213.41					-157.38	1			1059.45	1		
202	219	31	Min.	391.75	-14737.10	5	-803.48	5	-1668.19	5	-3476.63	1	-2522.50	1	-90.32	1
202	31	203	Max	0.00	120720.00	9	21336.10	5	1512.60	13	43889.30	9	-1018.64	9	991.21	13
202	31	203	Max	40.00	120770.00	9	21336.10	5	6544.71	5	43754.30	9	16508.30	9	991.21	13
202	31	203	Min.	0.00	-84084.40	1	-16034.50	13	-1989.79	5	-37650.30	1	-2522.51	1	-1332.33	5
202	31	203	Min.	40.00	-84034.20	1	-16034.50	13	-4901.25	13	-37785.20	1	-17607.80	1	-1332.33	5
202	203	221	Max	12.00	32465.30	5	1809.74	5	3217.18	13	2723.74	9	4344.34	1	172.42	13
202	203	221	Max	113.86					-1619.28	7			644.00	7		
202	203	221	Max	395.83	32947.00	5	1809.74	5	3445.14	5	1428.62	9	2684.46	9	172.42	13
202	203	221	Min.	12.00	-27621.50	13	-1840.74	13	-3501.51	5	-1374.39	1	-5285.10	9	28.50	5
202	203	221	Min.	113.86					1220.52	7			-207.55	7		
202	203	221	Min.	395.83	-27139.70	13	-1840.74	13	-3848.46	13	-2669.51	1	-3417.07	1	28.50	5
202	221	-730	Max	23.24	-1593.43	9	9333.77	5	8603.89	13	2062.95	9	1273.64	1	881.92	5
202	221	-730	Max	135.60	-1444.43	9	9333.77	5	3866.54	5	1686.90	9	99.08	9	881.92	5
202	221	-730	Min.	23.24	-8862.70	1	-11612.30	13	-6623.98	5	-979.53	1	-2007.75	9	-1295.33	13
202	221	-730	Min.	135.60	-8713.70	1	-11612.30	13	-4446.78	13	-1355.58	1	-38.39	1	-1295.33	13
203	-742	-716	Max	0.00	22386.00	9	3092.63	5	2418.53	13	8255.25	9	0.00	1	899.61	13
203	-742	-716	Max	40.00	22411.10	9	3092.63	5	738.13	5	8187.77	9	3288.60	9	899.61	13
203	-742	-716	Min.	0.00	-24190.70	1	-14991.70	13	-498.92	5	-9069.69	1	0.00	1	-185.58	5
203	-742	-716	Min.	40.00	-24165.60	1	-14991.70	13	-3578.13	13	-9137.17	1	-3641.37	1	-185.58	5
203	-716	223	Max	0.00	13481.90	13	127.70	5	761.12	13	935.02	9	988.58	1	-26.51	13
203	-716	223	Max	44.77					585.02	5			351.36	5		
203	-716	223	Max	395.83	13730.30	13	127.70	5	274.49	5	267.22	9	921.83	9	-26.51	13
203	-716	223	Min.	0.00	-18795.30	5	-344.88	13	-231.02	5	-239.79	1	-1457.63	9	-129.04	5
203	-716	223	Min.	44.77					-173.86	5			-528.97	5		
203	-716	223	Min.	395.83	-18546.90	5	-344.88	13	-604.10	13	-907.59	1	-1282.28	1	-129.04	5
203	223	-731	Max	23.24	-216.03	1	1255.97	5	1419.03	13	1839.37	9	1564.64	1	229.16	5
203	223	-731	Max	61.51					-342.81	7			66.91	7		
203	223	-731	Max	135.60	-141.53	1	1255.97	5	577.65	5	1651.34	9	47.39	9	229.16	5
203	223	-731	Min.	23.24	-8050.07	9	-2541.58	13	-833.59	5	-1327.55	1	-1913.86	9	-73.35	13
203	223	-731	Min.	61.51					387.95	7			-234.98	7		
203	223	-731	Min.	135.60	-7975.57	9	-2541.58	13	-1436.73	13	-1515.58	1	-32.80	1	-73.35	13
204	-699	207	Max	0.00	14797.20	1	16990.00	13	7390.29	5	4283.72	1	209.72	13	2790.83	5
204	-699	207	Max	123.84	15532.70	1	16990.00	13	14150.80	13	2209.88	1	4039.45	1	2790.83	5
204	-699	207	Min.	0.00	-12328.90	9	-17403.80	5	-6890.57	13	-5195.44	9	-176.81	5	-2991.46	13
204	-699	207	Min.	123.84	-11593.40	9	-17403.80	5	-14163.60	5	-7269.28	9	-7703.98	9	-2991.46	13
204	207	-722	Max	23.56	18056.50	1	1958.61	13	5238.32	5	4079.48	1	568.59	9	951.11	13
204	207	-722	Max	172.37					673.34	9			2422.56	9		
204	207	-722	Max	447.93	20576.80	1	1958.61	13	3047.79	13	-3026.85	1	-1823.41	1	951.11	13
204	207	-722	Min.	23.56	-6930.40	9	-1966.61	5	-5264.02	13	2491.82	9	-4056.93	1	-916.10	5
204	207	-722	Min.	174.20					-700.34	1			188.41	1		
204	207	-722	Min.	447.93	-4410.08	9	-1966.61	5	-3107.43	5	-4614.51	9	-3935.48	9	-916.10	5
204	-722	208	Max	0.00	23949.10	1	31992.90	13	680.33	5	3355.57	1	-1823.41	1	427.42	5
204	-722	208	Max	1.19	23956.10	1	31992.90	13	196.00	5	3335.60	1	-1987.49	1	427.42	5
204	-722	208	Min.	0.00	-17932.30	9	-40606.50	5	-550.15	13	-14596.90	9	-3935.48	9	-325.10	13
204	-722	208	Min.	1.19	-17925.20	9	-40606.50	5	-168.57	13	-14616.90	9	-3905.72	9	-325.10	13
204	208	32	Max	0.00	10503.50	9	208.60	5	400.30	13	4197.58	1	-3271.05	9	74.70	13
204	208	32	Max	245.03					1.08	9			1828.16	9		
204	208	32	Max	391.75	8461.23	9	208.60	5	308.99	5	-2456.52	1	0.01	9	74.70	13
204	208	32	Min.	0.00	10387.70	1	-164.31	13	-508.19	5	4162.03	9	-3410.31	1	-94.84	5
204	208	32	Min.	245.13					-0.48	1			1776.04	1		
204	208	32	Min.	391.75	8345.41	1	-164.31	13	-243.39	13	-2492.07	9	0.01	1	-94.84	5
205	-743	-717	Max	0.00	20348.20	1	3121.52	13	431.07	5	7456.53	1	0.00	5	160.34	5
205	-743	-717	Max	40.00	20373.30	1	3121.52	13	745.03	13	7389.05	1	2969.11	1	160.34	5
205	-743	-717	Min.	0.00	-22596.30	9	-2672.10	5	-503.58	13	-8517.36	9	0.00	5	-187.31	13
205	-743	-717	Min.	40.00	-22571.20	9	-2672.10	5	-637.76	5	-8584.85	9	-3420.44	9	-187.31	13
205	-717	210	Max	0.00	883.90	13	111.39	5	32.51	13	902.21	1	879.51	9	176.93	13
205	-717	210	Max	327.54					274.15	5			252.35	5		
205	-717	210	Max	395.83	1132.30	13	111.39	5	350.22	5	234.41	1	882.17	1	176.93	13
205	-717	210	Min.	0.00	-9017.70	5	-74.03	13	-90.71	5	-198.18	9	-1367.39	1	-201.35	5
205	-717	210	Min.	327.54					-180.29	5			-210.60	5		
205	-717	210	Min.	395.83	-8769.30	5	-74.03	13	-260.54	13	-865.98	9	-1226.64	9	-201.35	5
205	210	-732	Max	23.24	51.56	1	2641.61	5	1115.55	13	1717.20	1	1589.47	9	353.83	5
205	210	-732	Max	135.60	126.06	1	2641.61	5	1304.07	5	1529.17	1	47.59	9	353.83	5
205	210	-732	Min.	23.24	-8044.95	9	-1414.40	13	-1664.48	5	-1278.35	9	-1854.84	1	-517.00	13
205	210	-732	Min.	135.60	-7970.44	9	-1414.40	13	-474.09	13	-1466.38	9	-31.14	1	-517.00	13
206	-700	212	Max	0.00	14047.50	9	18140.10	13	6978.25	5	4163.04	9	229.26	5	2759.29	5
206	-700	212	Max	123.84	14604.40	9	18140.10	13	14393.20	13	2592.72	9	4192.13	9	2759.29	5
206	-700	212	Min.	0.00	-13897.20	1	-16672.50	5	-8073.38	13	-5337.65	1	-196.43	13	-2605.75	13
206	-700	212	Min.	123.84	-13340.30	1	-16672.50	5	-13670.70	5	-6907.96	1	-7558.73	1	-2605.75	13
206	212	-723	Max	23.56	18295.50	1	2002.53	13	5037.97	5	3226.00	9	1178.39	1	892.03	13
206	212	-723	Max	151.41					1237.44	1			2214.73	1		
206	212	-723	Max	447.93	20203.90	1	2002.53	13	3213.71	13	-2154.94	9	-1211.03	9	892.03	13
206	212	-723	Min.	23.56	-5666.71	9	-1875.76	5	-5284.47	13	1621.15	1	-3483.67	9	-908.09	5
206	212	-723	Min.	151.41					-846.49	1			-386.69	1		
206	212	-723	Min.	447.93	-3758.32	9	-1875.76	5	-2922.24	5	-3759.79	1	-3359.51	1	-908.09	5
206	-723	213	Max	0.00	18285.80	9	50246.50	13	536.01	5	4004.70	9	-1211.03	9	318.54	5

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206	-723	213	Max	1.19	18291.10	9	50246.50	13	163.35	5	3989.57	9	-1358.51	9	318.54	5
206	-723	213	Min.	0.00	-12848.90	1	-31244.50	5	-826.97	13	-13823.90	1	-3359.50	1	-541.13	13
206	-723	213	Min.	1.19	-12843.50	1	-31244.50	5	-227.65	13	-13839.00	1	-3329.32	1	-541.13	13
206	213	33	Max	0.00	8158.86	1	160.47	5	628.94	13	3179.64	9	-2474.64	1	117.37	13
206	213	33	Max	244.99					0.64	1			1385.11	1		
206	213	33	Max	391.75	6612.44	1	160.47	5	237.70	5	-1858.86	9	0.01	1	117.37	13
206	213	33	Min.	0.00	8065.34	9	-258.16	13	-390.94	5	3150.94	1	-2587.09	9	-72.95	5
206	213	33	Min.	245.10					-2.14	9			1343.02	9		
206	213	33	Min.	391.75	6518.92	9	-258.16	13	-382.40	13	-1887.56	1	0.01	9	-72.95	5
207	-701	215	Max	0.00	23403.80	1	4913.63	13	475.78	5	8770.40	1	487.07	9	246.59	5
207	-701	215	Max	115.97					-602.49	15			768.28	15		
207	-701	215	Max	123.84	23938.10	1	4913.63	13	3470.54	13	7263.77	1	9468.09	1	246.59	5
207	-701	215	Min.	0.00	-20774.10	9	-1207.48	5	-2619.05	13	-9179.01	9	-465.82	1	-339.63	13
207	-701	215	Min.	115.97					2989.36	15			-4013.86	15		
207	-701	215	Min.	123.84	-20239.70	9	-1207.48	5	-1023.98	5	-10685.60	9	-11818.70	9	-339.63	13
207	215	216	Max	61.26	28372.20	9	1499.70	13	1123.27	5	5063.79	1	6013.64	9	117.99	13
207	215	216	Max	91.59					733.26	13			2209.52	13		
207	215	216	Max	393.78	29806.70	9	1499.70	13	2591.54	13	1018.53	1	3220.19	1	117.99	13
207	215	216	Min.	61.26	-18396.40	1	-802.97	5	-2396.01	13	-1613.79	9	-6892.40	1	-34.70	5
207	215	216	Min.	91.59					-1941.42	13			-1466.16	13		
207	215	216	Min.	393.78	-16961.80	1	-802.97	5	-1547.56	5	-5659.05	9	-6078.27	9	-34.70	5
207	216	220	Max	16.49	35613.20	1	22938.90	13	3787.36	5	19391.60	1	4954.91	9	-1.57	13
207	216	220	Max	48.28	35750.50	1	22938.90	13	4200.60	13	19004.90	1	-470.51	9	-1.57	13
207	216	220	Min.	16.49	-50580.80	9	-12852.60	5	-3101.47	13	-16888.00	9	-7459.05	1	-1299.79	5
207	216	220	Min.	48.28	-50443.50	9	-12852.60	5	-308.31	5	-17274.70	9	-1360.68	1	-1299.79	5
207	220	34	Max	0.00	5264.32	1	217.92	5	1754.47	13	2683.46	1	-1101.80	9	74.29	9
207	220	34	Max	217.34					15.17	1			1159.68	1		
207	220	34	Max	391.75	3780.61	1	217.92	5	398.64	5	-2150.70	1	-714.69	1	74.29	9
207	220	34	Min.	0.00	-8301.68	9	-844.86	13	-455.13	5	2185.48	9	-1758.35	1	-23.74	1
207	220	34	Min.	214.23					-67.18	9			748.24	9		
207	220	34	Min.	391.75	-9785.39	9	-844.86	13	-1555.35	13	-2648.68	9	-2009.20	9	-23.74	1
207	34	217	Max	0.00	102457.00	1	15835.20	13	380.37	5	36737.10	1	-714.70	1	246.28	5
207	34	217	Max	40.00	102508.00	1	15835.20	13	4832.07	13	36602.20	1	13952.40	1	246.28	5
207	34	217	Min.	0.00	-78488.60	9	-4006.61	5	-1502.02	13	-34906.10	9	-2009.22	9	-974.04	13
207	34	217	Min.	40.00	-78438.40	9	-4006.61	5	-1222.30	5	-35041.00	9	-15997.90	9	-974.04	13
207	217	218	Max	12.00	4489.89	9	2251.41	5	2179.45	13	3312.91	1	4965.46	9	398.27	13
207	217	218	Max	365.37	4933.40	9	2251.41	5	4269.81	5	2120.57	1	3967.14	1	398.27	13
207	217	218	Min.	12.00	-14626.40	1	-1599.83	13	-3687.02	5	-2134.54	9	-5636.16	1	-196.88	5
207	217	218	Min.	365.37	-14182.80	1	-1599.83	13	-3474.85	13	-3326.88	9	-4687.21	9	-196.88	5
207	218	-733	Max	30.21	9019.37	1	14249.60	5	8904.07	13	6267.99	1	6129.36	9	1254.01	5
207	218	-733	Max	135.60	9159.13	1	14249.60	5	5726.21	5	5915.28	1	409.64	1	1254.01	5
207	218	-733	Min.	30.21	-18920.70	9	-13215.00	13	-9303.87	5	-6042.45	9	-6010.70	1	-1316.69	13
207	218	-733	Min.	135.60	-18780.90	9	-13215.00	13	-5035.69	13	-6395.17	9	-425.01	9	-1316.69	13
208	228	-740	Max	0.00	5896.28	1	3144.24	1	286.29	9	2057.85	9	1819.25	1	48.74	9
208	228	-740	Max	22.49					-489.35	7			230.72	7		
208	228	-740	Max	123.84	5772.09	1	3144.24	1	1948.57	1	1707.68	9	353.50	1	48.74	9
208	228	-740	Min.	0.00	-8395.67	9	-611.64	9	-1953.77	1	-1008.84	1	-2743.93	9	-130.51	1
208	228	-740	Min.	46.08					-352.32	13			-838.49	13		
208	228	-740	Min.	123.84	-8519.85	9	-611.64	9	-479.59	9	-1359.00	1	-412.71	9	-130.51	1
208	227	228	Max	0.00	8524.05	9	316.23	5	-212.74	13	959.43	9	-408.17	1	75.27	9
208	227	228	Max	339.32					263.47	9			713.96	9		
208	227	228	Max	472.69	8050.05	9	316.23	5	614.52	5	-377.07	9	462.51	9	75.27	9
208	227	228	Min.	0.00	-7500.25	1	116.08	13	-937.72	5	516.10	1	-913.97	9	-181.35	1
208	227	228	Min.	329.42					27.36	1			-242.28	1		
208	227	228	Min.	472.69	-7974.25	1	116.08	13	278.46	13	-820.40	1	-1127.43	1	-181.35	1
208	35	227	Max	0.00	4110.26	1	-57.92	13	840.68	5	588.59	9	-289.48	1	143.81	1
208	35	227	Max	204.35					0.70	1			309.00	1		
208	35	227	Max	391.75	4455.09	1	-57.92	13	-107.91	13	-534.94	9	-194.17	1	143.81	1
208	35	227	Min.	0.00	-7393.72	9	-497.95	5	118.96	13	534.35	1	-361.47	9	-20.82	9
208	35	227	Min.	204.83					-179.09	9			136.91	9		
208	35	227	Min.	391.75	-7048.88	9	-497.95	5	-1110.08	5	-589.18	1	-459.10	9	-20.82	9
208	28	35	Max	0.00	25984.00	1	9100.83	13	-534.42	5	7592.34	9	2622.49	1	-120.43	5
208	28	35	Max	40.00	25942.20	1	9100.83	13	1115.26	13	7479.87	9	-289.50	1	-120.43	5
208	28	35	Min.	0.00	-20203.20	9	1904.99	5	-2525.14	13	-7225.45	1	-3375.20	9	-553.98	13
208	28	35	Min.	40.00	-20245.00	9	1904.99	5	227.50	5	-7337.93	1	-361.44	9	-553.98	13
208	29	28	Max	0.00	5925.25	9	509.23	13	-69.86	5	976.75	9	420.75	1	57.34	1
208	29	28	Max	347.16					638.05	9			612.86	9		
208	29	28	Max	395.83	5511.25	9	509.23	13	1043.15	13	-136.25	9	579.70	9	57.34	1
208	29	28	Min.	0.00	-4102.68	1	56.71	5	-972.59	13	126.70	1	-1084.48	9	3.66	9
208	29	28	Min.	347.16					303.38	9			-748.12	9		
208	29	28	Min.	395.83	-4516.68	1	56.71	5	154.58	5	-986.30	1	-1281.25	1	3.66	9
208	-739	29	Max	0.00	4366.74	5	3306.59	13	676.54	13	317.30	9	357.70	9	180.58	13
208	-739	29	Max	110.15					1185.84	9			521.65	9		
208	-739	29	Max	135.60	4216.89	5	3306.59	13	2197.26	13	-60.90	9	513.00	9	180.58	13
208	-739	29	Min.	0.00	-2728.49	13	-691.77	5	-2291.98	5	-205.73	1	-366.66	1	-64.43	5
208	-739	29	Min.	104.41					88.57	1			-717.75	1		
208	-739	29	Min.	135.60	-2878.34	13	-691.77	5	-266.95	5	-583.93	1	-883.52	1	-64.43	5
209	-698	-741	Max	0.00	0.00	1	816.27	1	268.92	9	1549.98	1	493.85	9	412.56	9
209	-698	-741	Max	115.00	0.00	1	745.47	1	377.28	1	1355.47	1	702.49	1	412.56	9

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209	-698	-741	Min.	0.00	0.00	1	-436.94	9	-520.73	1	-781.48	9	-968.15	1	-460.53	1
209	-698	-741	Min.	115.00	0.00	1	-507.74	9	-274.28	9	-976.00	9	-516.70	9	-460.53	1
209	-699	-698	Max	0.00	0.00	1	228.18	9	-9.48	5	563.24	9	-159.18	5	65.29	1
209	-699	-698	Max	224.15					111.91	5			263.19	5		
209	-699	-698	Max	531.00	0.00	1	-98.72	9	33.28	9	-334.92	9	-83.64	9	65.29	1
209	-699	-698	Min.	0.00	0.00	1	120.57	1	-324.73	13	373.45	1	-714.96	13	-93.08	9
209	-699	-698	Min.	370.38					14.39	9			63.22	9		
209	-699	-698	Min.	531.00	0.00	1	-206.33	1	-251.49	1	-524.71	1	-585.89	1	-93.08	9
209	-700	-699	Max	0.00	0.00	1	74.21	13	32.22	5	219.73	13	14.26	5	131.42	13
209	-700	-699	Max	86.94					37.47	5			77.42	5		
209	-700	-699	Max	294.00	0.00	1	-106.78	13	-89.33	9	-277.56	13	-201.49	9	131.42	13
209	-700	-699	Min.	0.00	0.00	1	29.36	5	-52.95	13	140.08	5	-136.50	13	-126.30	5
209	-700	-699	Min.	70.85					-18.20	13			-27.46	13		
209	-700	-699	Min.	294.00	0.00	1	-151.64	5	-159.04	1	-357.20	5	-324.91	1	-126.30	5
209	-701	-700	Max	0.00	0.00	1	122.10	9	244.72	13	303.57	9	391.33	13	116.74	1
209	-701	-700	Max	41.55					149.81	15			253.96	15		
209	-701	-700	Max	290.00	0.00	1	-56.43	9	-39.09	9	-186.95	9	-110.58	9	116.74	1
209	-701	-700	Min.	0.00	0.00	1	-73.73	1	-142.74	5	-44.21	1	-294.05	5	-78.78	9
209	-701	-700	Min.	11.17					-40.60	3			-104.40	3		
209	-701	-700	Min.	290.00	0.00	1	-252.26	1	-236.39	1	-534.73	1	-462.48	1	-78.78	9
209	-740	-701	Max	0.00	0.00	1	298.88	1	326.12	9	587.43	1	603.97	9	412.70	9
209	-740	-701	Max	115.00	0.00	1	228.08	1	193.85	9	392.91	1	349.34	9	412.70	9
209	-740	-701	Min.	0.00	0.00	1	-609.30	9	-122.78	1	-1102.14	9	-237.47	1	-353.50	1
209	-740	-701	Min.	115.00	0.00	1	-680.10	9	-428.91	1	-1296.65	9	-798.44	1	-353.50	1
210	201	229	Max	0.00	0.00	1	1690.25	9	294.91	5	1550.41	9	114.86	5	3567.13	1
210	201	229	Max	115.00	0.00	1	1572.25	9	960.89	13	1226.21	9	724.31	13	3567.13	1
210	201	229	Min.	0.00	0.00	1	-9.84	1	-1586.23	13	103.51	1	-1176.00	13	-3409.63	9
210	201	229	Min.	115.00	0.00	1	-127.83	1	-455.43	5	-220.68	1	-256.28	5	-3409.63	9
210	-1425	201	Max	0.00	0.00	1	1628.60	13	1132.08	13	1394.05	13	522.17	13	805.62	9
210	-1425	201	Max	16.79					420.79	11			265.31	11		
210	-1425	201	Max	150.00	0.00	1	1474.69	13	3459.23	13	971.19	13	2295.81	13	805.62	9
210	-1425	201	Min.	0.00	0.00	1	-2127.09	5	-558.82	5	-1456.08	5	-182.02	5	-596.14	1
210	-1425	201	Min.	16.79					331.37	11			194.09	11		
210	-1425	201	Min.	150.00	0.00	1	-2280.99	5	-3864.57	5	-1878.94	5	-2683.00	5	-596.14	1
210	207	-1425	Max	65.00	0.00	1	2539.86	13	4813.65	5	1991.40	13	3001.59	5	805.62	9
210	207	-1425	Max	120.98					1072.34	9			697.55	9		
210	207	-1425	Max	356.00	0.00	1	2241.28	13	979.58	13	1171.05	13	577.67	13	805.62	9
210	207	-1425	Min.	65.00	0.00	1	-1549.56	5	-5977.69	13	-737.26	5	-4024.10	13	-596.14	1
210	207	-1425	Min.	120.98					-2597.29	9			-1677.70	9		
210	207	-1425	Min.	356.00	0.00	1	-1848.15	5	-130.74	5	-1557.61	5	-337.83	5	-596.14	1
210	212	207	Max	0.00	0.00	1	5752.67	13	8582.50	5	4165.26	13	5595.07	5	1004.18	5
210	212	207	Max	294.00	0.00	1	5451.01	13	8188.90	13	3336.45	13	5328.48	13	1004.18	5
210	212	207	Min.	0.00	0.00	1	-5775.41	5	-8280.52	13	-3553.66	5	-5699.03	13	-1016.21	13
210	212	207	Min.	294.00	0.00	1	-6077.07	5	-8840.65	5	-4382.47	5	-6071.03	5	-1016.21	13
210	215	212	Max	25.00	0.00	1	5823.99	13	5188.27	5	4287.15	13	3698.39	5	914.57	9
210	215	212	Max	225.00	0.00	1	5618.78	13	7576.43	13	3723.34	13	5098.56	13	914.57	9
210	215	212	Min.	25.00	0.00	1	-7081.23	5	-3891.24	13	-4728.16	5	-2925.81	13	-1251.12	1
210	215	212	Min.	225.00	0.00	1	-7286.45	5	-9204.32	5	-5291.98	5	-6335.63	5	-1251.12	1
210	228	215	Max	0.00	0.00	1	729.96	9	736.58	1	733.13	9	701.55	1	2944.51	1
210	228	215	Max	115.00	0.00	1	611.96	9	860.79	13	408.94	9	588.44	13	2944.51	1
210	228	215	Min.	0.00	0.00	1	-2014.59	1	24.09	9	-1602.68	1	-92.00	9	-3204.27	9
210	228	215	Min.	115.00	0.00	1	-2132.59	1	-1713.15	5	-1926.87	1	-1351.68	5	-3204.27	9
211	219	226	Max	0.00	0.00	1	0.00	9	0.00	1	3587.18	13	411.56	5	603.54	1
211	219	226	Max	115.00	0.00	1	0.00	9	0.00	9	3104.18	13	1273.22	13	603.54	1
211	219	226	Min.	0.00	0.00	1	0.00	1	0.00	9	-566.03	5	-2574.35	13	297.51	9
211	219	226	Min.	115.00	0.00	1	0.00	1	0.00	1	-1049.03	5	-517.14	5	297.51	9
211	208	219	Max	50.00	0.00	1	0.00	1	0.00	1	1134.00	13	-761.54	1	-78.62	5
211	208	219	Max	306.55									484.38	5		
211	208	219	Max	531.00	0.00	1	0.00	1	0.00	1	-886.20	13	473.10	13	-78.62	5
211	208	219	Min.	50.00	0.00	1	0.00	1	0.00	1	992.77	5	-1082.62	9	-215.31	13
211	208	219	Min.	317.36									357.82	13		
211	208	219	Min.	531.00	0.00	1	0.00	1	0.00	1	-1027.43	5	-858.45	5	-215.31	13
211	213	208	Max	0.00	0.00	1	0.00	1	0.00	1	523.83	9	2.44	1	44.86	5
211	213	208	Max	86.60									159.95	1		
211	213	208	Max	294.00	0.00	1	0.00	1	0.00	1	-710.97	9	-486.24	13	44.86	5
211	213	208	Min.	0.00	0.00	1	0.00	1	0.00	9	363.72	1	-217.51	9	-52.49	13
211	213	208	Min.	93.81									89.07	9		
211	213	208	Min.	294.00	0.00	1	0.00	1	0.00	9	-871.08	1	-749.73	5	-52.49	13
211	220	213	Max	0.00	0.00	1	0.00	1	0.00	9	223.68	5	928.63	13	199.98	1
211	220	213	Max	240.00	0.00	1	0.00	1	0.00	1	-784.32	5	-586.51	5	199.98	1
211	220	213	Min.	0.00	0.00	1	0.00	9	0.00	1	-454.28	13	79.88	5	160.12	9
211	220	213	Min.	240.00	0.00	1	0.00	9	0.00	9	-1462.28	13	-1377.62	13	160.12	9
211	227	220	Max	0.00	0.00	1	0.00	9	0.00	1	-62.13	9	910.25	5	-213.32	1
211	227	220	Max	115.00	0.00	1	0.00	9	0.00	1	-545.13	9	-287.74	9	-213.32	1
211	227	220	Min.	0.00	0.00	1	0.00	1	0.00	9	-1984.35	1	49.23	13	-455.54	9
211	227	220	Min.	115.00	0.00	1	0.00	1	0.00	9	-2467.35	1	-1661.68	1	-455.54	9
212	203	224	Max	0.00	0.00	1	0.00	9	0.00	1	4048.19	13	-1449.17	1	4311.05	1
212	203	224	Max	115.00	0.00	1	0.00	9	0.00	9	2668.02	13	1967.29	13	4311.05	1
212	203	224	Min.	0.00	0.00	1	0.00	1	0.00	9	1754.92	5	-2152.27	9	-4579.07	9

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212	203	224	Min.	115.00	0.00	1	0.00	1	0.00	1	374.76	5	-482.35	5	-4579.07	9
212	-1426	203	Max	0.00	0.00	1	0.00	9	0.00	1	2399.85	13	749.86	5	981.36	9
212	-1426	203	Max	110.73									1485.28	5		
212	-1426	203	Max	374.80	0.00	1	0.00	9	0.00	9	-2098.29	13	-621.52	13	981.36	9
212	-1426	203	Min.	0.00	0.00	1	0.00	1	0.00	1	1328.47	5	-1186.90	13	-855.33	1
212	-1426	203	Min.	110.73									745.34	5		
212	-1426	203	Min.	374.80	0.00	1	0.00	1	0.00	1	-3169.67	5	-2700.78	5	-855.33	1
212	-716	-1426	Max	0.00	0.00	1	0.00	1	0.00	1	3074.33	13	-186.30	5	981.36	9
212	-716	-1426	Max	56.20	0.00	1	0.00	1	0.00	1	2399.85	13	749.86	5	981.36	9
212	-716	-1426	Min.	0.00	0.00	1	0.00	9	0.00	9	2002.96	5	-2725.12	13	-855.33	1
212	-716	-1426	Min.	56.20	0.00	1	0.00	9	0.00	9	1328.48	5	-1186.90	13	-855.33	1
212	209	-716	Max	50.00	0.00	1	0.00	1	0.00	9	10511.30	5	2776.01	13	3735.23	9
212	209	-716	Max	75.00	0.00	1	0.00	1	0.00	9	10211.30	5	2229.65	5	3735.23	9
212	209	-716	Min.	50.00	0.00	1	0.00	9	0.00	1	-2051.72	13	-5737.40	5	-3725.49	1
212	209	-716	Min.	75.00	0.00	1	0.00	9	0.00	1	-2351.76	13	-3151.16	13	-3725.49	1
212	-717	209	Max	0.00	0.00	1	0.00	1	0.00	1	3371.06	5	2662.28	13	812.10	9
212	-717	209	Max	205.00	0.00	1	0.00	1	0.00	1	910.77	5	3110.27	5	812.10	9
212	-717	209	Min.	0.00	0.00	1	0.00	1	0.00	1	-3718.42	13	-1278.98	5	-778.09	1
212	-717	209	Min.	205.00	0.00	1	0.00	1	0.00	1	-6178.71	13	-7482.65	13	-778.09	1
212	214	-717	Max	0.00	0.00	1	0.00	9	0.00	1	8046.91	5	4692.21	13	3605.13	9
212	214	-717	Max	81.72									1129.68	9		
212	214	-717	Max	89.00	0.00	1	0.00	9	0.00	9	6978.78	5	2084.89	5	3605.13	9
212	214	-717	Min.	0.00	0.00	1	0.00	1	0.00	9	-2407.97	13	-7437.00	5	-3607.67	1
212	214	-717	Min.	81.72									-59.81	9		
212	214	-717	Min.	89.00	0.00	1	0.00	1	0.00	1	-3476.09	13	-761.66	13	-3607.67	1
212	217	214	Max	25.00	0.00	1	0.00	1	0.00	9	3847.75	5	3910.96	13	87.58	9
212	217	214	Max	240.00	0.00	1	0.00	1	0.00	9	1267.45	5	3193.71	5	87.58	9
212	217	214	Min.	25.00	0.00	1	0.00	1	0.00	1	-3565.03	13	-2305.51	5	-146.93	1
212	217	214	Min.	240.00	0.00	1	0.00	1	0.00	1	-6145.33	13	-6528.06	13	-146.93	1
212	28	217	Max	0.00	0.00	1	0.00	9	0.00	1	-801.07	5	1789.24	13	3896.03	1
212	28	217	Max	115.00	0.00	1	0.00	9	0.00	1	-2181.23	5	-1330.04	5	3896.03	1
212	28	217	Min.	0.00	0.00	1	0.00	1	0.00	9	-2263.58	13	384.25	5	-3947.18	9
212	28	217	Min.	115.00	0.00	1	0.00	1	0.00	9	-3643.74	13	-1608.00	13	-3947.18	9
213	221	225	Max	0.00	0.00	1	4725.35	5	2595.17	13	4488.28	5	1800.11	13	584.40	1
213	221	225	Max	115.00	0.00	1	4233.20	5	886.74	5	3136.10	5	1022.44	5	584.40	1
213	221	225	Min.	0.00	0.00	1	-1805.78	13	-4269.76	5	-1070.19	13	-3363.96	5	-470.63	9
213	221	225	Min.	115.00	0.00	1	-2297.94	13	230.20	13	-2422.37	13	-210.50	13	-470.63	9
213	-728	221	Max	0.00	0.00	1	9420.75	13	2044.55	13	12298.40	13	199.88	5	2311.59	1
213	-728	221	Max	58.33	0.00	1	9171.11	13	7467.12	13	11612.50	13	6471.87	13	2311.59	1
213	-728	221	Min.	0.00	0.00	1	-9080.33	5	-2414.13	5	-11495.70	5	-502.44	13	-2346.90	9
213	-728	221	Min.	58.33	0.00	1	-9329.97	5	-7783.75	5	-12181.60	5	-6706.33	5	-2346.90	9
213	-729	-728	Max	0.00	0.00	1	1625.39	13	390.33	5	2272.79	13	563.85	5	393.01	9
213	-729	-728	Max	58.33	0.00	1	1375.74	13	355.01	13	1586.90	13	484.88	13	393.01	9
213	-729	-728	Min.	0.00	0.00	1	-1672.98	5	-520.41	13	-1969.16	5	-640.90	13	-357.25	1
213	-729	-728	Min.	58.33	0.00	1	-1922.62	5	-658.48	5	-2655.05	5	-784.91	5	-357.25	1
213	222	-729	Max	0.00	0.00	1	5336.59	13	3800.45	5	7045.76	13	3296.88	5	91.66	9
213	222	-729	Max	58.33	0.00	1	5086.94	13	992.95	5	6359.87	13	245.26	13	91.66	9
213	222	-729	Min.	0.00	0.00	1	-4688.23	5	-4180.86	13	-5847.09	5	-3664.95	13	-61.20	1
213	222	-729	Min.	58.33	0.00	1	-4937.88	5	-1140.78	13	-6532.98	5	-314.21	5	-61.20	1
213	223	222	Max	25.00	0.00	1	4361.96	5	3293.05	13	4073.45	5	1817.32	13	315.30	9
213	223	222	Max	247.94					1903.46	1			1108.12	1		
213	223	222	Max	281.00	0.00	1	3266.38	5	5490.59	5	1063.38	5	3192.41	5	315.30	9
213	223	222	Min.	25.00	0.00	1	-2716.72	13	-4273.72	5	-734.31	13	-3382.75	5	-293.13	1
213	223	222	Min.	247.94					-782.68	1			-696.55	1		
213	223	222	Min.	281.00	0.00	1	-3812.30	13	-5064.12	13	-3744.38	13	-3915.42	13	-293.13	1
213	210	223	Max	25.00	-0.00	1	2828.02	5	2738.89	13	3027.99	5	1417.25	13	79.45	13
213	210	223	Max	278.35					2293.26	7			1093.86	7		
213	210	223	Max	280.00	-0.00	1	1736.72	5	2404.43	5	29.67	5	1150.95	5	79.45	13
213	210	223	Min.	25.00	-0.00	1	-1796.33	13	-3415.96	5	-114.43	13	-2747.77	5	-57.00	5
213	210	223	Min.	278.35					-2716.59	7			-2326.08	7		
213	210	223	Min.	280.00	-0.00	1	-2887.63	13	-3233.51	13	-3112.75	13	-2697.61	13	-57.00	5
213	218	210	Max	25.00	-0.00	1	1583.15	5	2514.69	13	2601.84	5	771.13	13	255.62	9
213	218	210	Max	107.16					1626.87	13			1167.56	13		
213	218	210	Max	379.00	-0.00	1	68.17	5	1076.43	5	-1560.52	5	-253.47	5	255.62	9
213	218	210	Min.	25.00	-0.00	1	-905.43	13	-1847.90	5	965.16	13	-2097.52	5	-212.06	1
213	218	210	Min.	34.36					-487.44	1			-1060.42	1		
213	218	210	Min.	379.00	-0.00	1	-2420.41	13	-3373.52	13	-3197.20	13	-3180.48	13	-212.06	1
213	29	218	Max	0.00	0.00	1	192.93	5	1167.35	13	630.86	5	737.46	13	1301.89	1
213	29	218	Max	0.60					1164.12	13			737.48	13		
213	29	218	Max	115.00	0.00	1	-299.23	5	950.34	5	-721.33	5	495.08	5	1301.89	1
213	29	218	Min.	0.00	0.00	1	-2516.61	13	-120.26	5	-1675.15	13	78.96	5	-1595.07	9
213	29	218	Min.	42.58					-911.71	7			-467.21	7		
213	29	218	Min.	115.00	0.00	1	-3008.76	13	-3141.47	13	-3027.33	13	-2434.61	13	-1595.07	9
214	-730	-738	Max	0.00	0.00	1	603.73	1	-193.31	9	1196.91	1	-370.60	9	143.40	9
214	-730	-738	Max	115.00	0.00	1	437.46	1	222.21	1	740.10	1	404.45	1	143.40	9
214	-730	-738	Min.	0.00	0.00	1	337.35	9	-390.54	1	701.34	9	-733.00	1	-76.01	1
214	-730	-738	Min.	115.00	0.00	1	171.08	9	84.96	9	244.52	9	149.60	9	-76.01	1
214	-731	-730	Max	0.00	0.00	1	457.34	13	63.28	5	1131.14	13	-134.29	5	44.82	1
214	-731	-730	Max	284.60					218.71	13			486.09	13		

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214	-731	-730	Max	456.00	0.00	1	-201.95	13	84.74	13	-680.25	13	-96.70	13	44.82	1
214	-731	-730	Min.	0.00	0.00	1	193.70	5	-497.72	13	665.68	5	-1125.08	13	-38.12	9
214	-731	-730	Min.	316.17					-29.47	13			15.74	13		
214	-731	-730	Min.	456.00	0.00	1	-465.59	5	-556.81	5	-1145.71	5	-1229.11	5	-38.12	9
214	-732	-731	Max	0.00	0.00	1	288.06	5	-69.22	13	708.34	5	-212.62	13	19.54	5
214	-732	-731	Max	177.40					35.35	5			99.46	5		
214	-732	-731	Max	280.00	0.00	1	-116.77	5	-9.13	5	-403.92	5	-107.24	5	19.54	5
214	-732	-731	Min.	0.00	0.00	1	106.13	13	-249.38	5	385.01	13	-534.19	5	-27.44	13
214	-732	-731	Min.	198.31					-129.78	5			-206.71	5		
214	-732	-731	Min.	280.00	0.00	1	-298.70	13	-339.27	13	-727.25	13	-692.53	13	-27.44	13
214	-733	-732	Max	0.00	0.00	1	258.00	5	-6.36	9	724.50	5	-180.96	9	43.24	1
214	-733	-732	Max	161.79					132.10	9			312.56	9		
214	-733	-732	Max	379.00	0.00	1	-289.96	5	-177.28	5	-781.02	5	-483.23	5	43.24	1
214	-733	-732	Min.	0.00	0.00	1	198.39	13	-120.29	1	619.05	13	-382.31	1	-67.59	9
214	-733	-732	Min.	142.70					95.01	1			237.09	1		
214	-733	-732	Min.	379.00	0.00	1	-349.58	13	-296.44	13	-886.47	13	-693.91	13	-67.59	9
214	-739	-733	Max	0.00	0.00	1	400.47	13	436.08	5	818.78	13	803.13	5	357.70	9
214	-739	-733	Max	115.00	0.00	1	234.20	13	172.16	13	361.96	13	305.57	13	357.70	9
214	-739	-733	Min.	0.00	0.00	1	-805.11	5	-192.78	13	-1424.07	5	-373.35	13	-366.66	1
214	-739	-733	Min.	115.00	0.00	1	-971.38	5	-585.40	5	-1880.89	5	-1097.22	5	-366.66	1
504	-734	-735	Max	25.00	0.00	1	0.00	9	0.00	9	2369.19	1	2058.76	9	172.63	13
504	-734	-735	Max	39.95									1709.75	11		
504	-734	-735	Max	420.50	0.00	1	0.00	9	0.00	9	-235.81	1	1279.73	9	172.63	13
504	-734	-735	Min.	25.00	0.00	1	0.00	1	0.00	1	-39.56	9	-2942.68	1	-166.97	5
504	-734	-735	Min.	41.01									-2237.53	3		
504	-734	-735	Min.	420.50	0.00	1	0.00	1	0.00	1	-2644.56	9	-3252.76	1	-166.97	5
506	-736	-737	Max	25.00	0.00	1	0.00	1	0.00	1	2355.58	1	2058.39	9	185.92	13
506	-736	-737	Max	38.03									1735.10	11		
506	-736	-737	Max	420.50	0.00	1	0.00	1	0.00	1	-249.42	1	1250.57	1	185.92	13
506	-736	-737	Min.	25.00	0.00	1	0.00	1	0.00	1	-41.63	9	-2914.69	1	-144.53	5
506	-736	-737	Min.	38.03									-2257.05	11		
506	-736	-737	Min.	420.50	0.00	1	0.00	1	0.00	1	-2646.63	9	-3257.95	9	-144.53	5
510	-734	-736	Max	0.00	0.00	1	0.00	1	0.00	1	1717.96	5	1765.23	13	186.89	5
510	-734	-736	Max	20.93									266.42	11		
510	-734	-736	Max	294.00	0.00	1	0.00	1	0.00	1	1041.76	5	1855.84	5	186.89	5
510	-734	-736	Min.	0.00	0.00	1	0.00	1	0.00	1	-971.77	13	-2200.93	5	-185.15	13
510	-734	-736	Min.	20.93									-229.15	11		
510	-734	-736	Min.	294.00	0.00	1	0.00	1	0.00	1	-1647.97	13	-2085.78	13	-185.15	13
511	-735	-737	Max	0.00	0.00	1	0.00	1	0.00	1	1343.42	5	1455.55	13	22.71	13
511	-735	-737	Max	294.00	0.00	1	0.00	1	0.00	1	975.92	5	1619.21	5	22.71	13
511	-735	-737	Min.	0.00	0.00	1	0.00	1	0.00	1	-859.43	13	-1790.22	5	-18.88	5
511	-735	-737	Min.	294.00	0.00	1	0.00	1	0.00	1	-1226.93	13	-1611.42	13	-18.88	5

Tipo di combinazione di carico: SLD

Asta	N1	N2		X <cm>	N <daN>	CC	Ty <daN>	CC	Mz <daNm>	CC	Tz <daN>	CC	My <daNm>	CC	Mx <daNm>	CC
1	1	201	Max	0.00	-5465.63	2	1658.61	6	4625.06	14	6285.43	2	15904.70	10	94.96	2
1	1	201	Max	425.45	-3737.25	2	1658.61	6	3575.78	6	6285.43	2	9545.37	2	94.96	2
1	1	201	Min.	0.00	-11199.90	10	-2077.18	14	-3480.92	6	-6736.87	10	-17197.80	2	-150.13	10
1	1	201	Min.	425.45	-9471.50	10	-2077.18	14	-4212.43	14	-6736.87	10	-12759.10	10	-150.13	10
2	2	202	Max	0.00	-10313.20	2	492.82	6	1975.96	14	2877.07	2	8024.02	10	49.66	2
2	2	202	Max	567.23	-8540.64	2	492.82	6	1466.06	6	2877.08	2	7876.58	2	49.66	2
2	2	202	Min.	0.00	-18224.70	10	-664.70	14	-1329.39	6	-2705.39	10	-8443.22	2	-78.51	10
2	2	202	Min.	567.23	-16452.10	10	-664.71	14	-1794.47	14	-2705.40	10	-7321.96	10	-78.51	10
3	3	203	Max	0.00	-7088.21	6	910.12	14	2685.13	14	5797.31	2	17736.30	10	83.83	2
3	3	203	Max	482.51	-5128.04	6	910.12	14	2413.00	14	5797.32	2	12008.80	2	83.83	2
3	3	203	Min.	0.00	-15561.10	14	-1062.83	6	-1979.89	6	-6227.91	10	-15963.80	2	-132.54	10
3	3	203	Min.	482.51	-13601.00	14	-1062.83	6	-2444.61	6	-6227.92	10	-12313.90	10	-132.54	10
4	4	104	Max	0.00	-4042.45	6	1633.00	14	2166.39	6	5463.62	2	14899.80	10	101.82	2
4	4	104	Max	402.53	-2407.15	6	1633.00	14	3495.57	14	5463.62	2	8301.10	2	101.82	2
4	4	104	Min.	0.00	-8455.37	14	-904.27	6	-3077.92	14	-5664.95	10	-13703.80	2	-143.68	10
4	4	104	Min.	402.53	-6820.07	14	-904.27	6	-1473.68	6	-5664.95	10	-7915.59	10	-143.68	10
5	5	105	Max	0.00	-8698.69	6	318.58	2	1033.42	10	380.40	6	875.89	14	15.76	2
5	5	105	Max	489.53	-7933.80	6	318.58	2	631.06	2	380.40	6	866.59	6	15.76	2
5	5	105	Min.	0.00	-13558.30	14	-365.40	10	-928.70	2	-327.99	14	-995.62	6	-22.24	10
5	5	105	Min.	489.53	-12793.40	14	-365.40	10	-755.54	10	-327.99	14	-729.75	14	-22.24	10
5	105	223	Max	0.00	-2796.25	6	1217.36	2	608.50	2	6027.56	6	2535.99	14	8.49	6
5	105	223	Max	107.69	-2627.99	6	1217.36	2	1054.13	2	6027.59	6	3154.10	6	8.49	6
5	105	223	Min.	0.00	-7752.22	14	-1572.29	10	-264.12	10	-4701.67	14	-3336.83	6	-19.67	14
5	105	223	Min.	107.69	-7583.96	14	-1572.30	10	-1091.97	10	-4701.69	14	-2527.13	14	-19.67	14
6	6	106	Max	0.00	-6272.08	6	1174.33	2	3007.01	10	3729.49	6	7881.35	14	70.81	2
6	6	106	Max	402.53	-5014.16	6	1174.33	2	2173.54	2	3729.49	6	6867.23	6	70.81	2
6	6	106	Min.	0.00	-9802.36	14	-1307.45	10	-2553.69	2	-3065.17	14	-8145.27	6	-99.92	10
6	6	106	Min.	402.53	-8544.44	14	-1307.45	10	-2256.08	10	-3065.17	14	-4457.03	14	-99.92	10
7	7	-734	Max	0.00	-8401.64	14	1810.46	2	4202.07	10	6581.08	14	16715.50	6	125.15	6
7	7	-734	Max	393.00	-6805.07	14	1810.46	2	2822.46	2	6581.08	14	9837.76	14	125.15	6
7	7	-734	Min.	0.00	-11144.50	6	-2132.86	10	-4293.36	2	-6743.20	6	-16025.90	14	-184.67	14
7	7	-734	Min.	393.00	-9547.97	6	-2132.86	10	-4180.78	10	-6743.20	6	-9785.25	6	-184.67	14

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7	-734	207	Max	0.00	-5008.61	10	10664.20	14	2798.34	2	8159.69	14	10310.00	14	1772.49	14
7	-734	207	Max	12.14					-2709.92	4			702.51	4		
7	-734	207	Max	12.45	-4958.05	10	10664.20	14	2423.89	2	8159.69	14	11324.50	14	1772.49	14
7	-734	207	Min.	0.00	-7776.79	2	-14464.20	6	-2711.92	10	-4368.63	6	-9859.86	6	-1777.90	6
7	-734	207	Min.	12.14					2375.10	4			-1964.06	4		
7	-734	207	Min.	12.45	-7726.22	2	-14464.10	6	-2810.47	10	-4368.64	6	-10402.50	6	-1777.90	6
8	8	-735	Max	0.00	-17714.30	14	1772.37	2	3355.26	10	3215.11	14	8451.89	6	87.03	6
8	8	-735	Max	393.00	-16486.20	14	1772.37	2	3202.71	2	3215.11	14	4950.24	14	87.03	6
8	8	-735	Min.	0.00	-21502.50	6	-1510.49	10	-3762.86	2	-3544.48	6	-7685.17	14	-128.42	14
8	8	-735	Min.	393.00	-20274.40	6	-1510.49	10	-2581.12	10	-3544.48	6	-5477.95	6	-128.42	14
8	-735	208	Max	0.00	-14768.60	10	2438.93	10	1026.05	2	2129.64	14	5047.60	14	119.51	14
8	-735	208	Max	170.38	-14236.20	10	2438.92	10	1073.73	10	2129.64	14	2517.79	14	119.51	14
8	-735	208	Min.	0.00	-18173.20	2	-504.72	2	-3082.55	10	-1500.99	6	-5300.85	6	-119.88	6
8	-735	208	Min.	170.38	-17640.80	2	-504.72	2	165.28	2	-1500.98	6	-1699.94	6	-119.88	6
9	9	209	Max	0.00	-7685.79	14	928.22	2	2445.42	10	3086.99	6	6475.13	14	58.44	2
9	9	209	Max	481.00	-6182.66	14	928.22	2	1969.74	2	3086.99	6	7058.45	6	58.44	2
9	9	209	Min.	0.00	-10398.10	6	-923.12	10	-2495.44	2	-2209.02	14	-7790.06	6	-92.40	10
9	9	209	Min.	481.00	-8895.00	6	-923.12	10	-1995.22	10	-2209.02	14	-4150.33	14	-92.40	10
10	10	110	Max	0.00	-11853.10	10	298.95	10	972.95	2	267.14	6	1063.86	14	15.76	2
10	10	110	Max	489.53	-11088.30	10	298.95	10	578.04	10	267.14	6	580.03	6	15.76	2
10	10	110	Min.	0.00	-12476.60	2	-342.75	2	-885.43	10	-405.54	14	-727.72	6	-22.24	10
10	10	110	Min.	489.53	-11711.70	2	-342.75	2	-704.90	2	-405.53	14	-921.38	14	-22.24	10
10	110	210	Max	0.00	-5158.27	6	1318.78	10	629.19	2	3640.58	6	3187.71	14	8.49	6
10	110	210	Max	107.69	-4990.01	6	1318.79	10	1113.64	10	3640.61	6	1934.78	6	8.49	6
10	110	210	Min.	0.00	-5605.17	14	-1607.76	2	-306.53	10	-5695.96	14	-1985.76	6	-19.67	14
10	110	210	Min.	107.69	-5436.91	14	-1607.78	2	-1102.19	2	-5696.01	14	-2946.21	14	-19.67	14
11	11	111	Max	0.00	-5281.09	14	1104.73	10	2840.49	2	3042.65	6	9795.18	14	70.81	2
11	11	111	Max	402.53	-4023.17	14	1104.73	10	2068.87	10	3042.65	6	5169.62	6	70.81	2
11	11	111	Min.	0.00	-8589.90	6	-1232.29	2	-2378.08	10	-4372.57	14	-7078.07	6	-99.92	10
11	11	111	Min.	402.53	-7331.98	6	-1232.29	2	-2119.92	2	-4372.57	14	-7805.91	14	-99.92	10
12	12	-736	Max	0.00	-6846.26	2	1729.33	10	3945.94	2	6149.64	14	16612.70	6	125.15	6
12	12	-736	Max	393.00	-5249.70	2	1729.33	10	2673.67	10	6149.64	14	9424.57	14	125.15	6
12	12	-736	Min.	0.00	-8515.21	10	-2000.90	2	-4123.16	10	-6778.77	6	-14743.60	14	-184.67	14
12	12	-736	Min.	393.00	-6918.65	10	-2000.90	2	-3918.16	2	-6778.78	6	-10028.00	6	-184.67	14
12	-736	212	Max	0.00	-2874.33	10	12749.40	6	2587.12	10	11600.40	14	9468.14	14	1772.49	14
12	-736	212	Max	12.45	-2823.76	10	12749.30	6	2581.58	10	11600.40	14	10911.40	14	1772.49	14
12	-736	212	Min.	0.00	-5882.02	2	-12755.20	14	-2411.70	2	-17331.30	6	-10468.70	6	-1777.90	6
12	-736	212	Min.	12.45	-5831.46	2	-12755.20	14	-2406.88	2	-17331.30	6	-12625.30	6	-1777.90	6
13	13	-737	Max	0.00	-15428.00	2	1793.26	10	3238.35	2	3023.34	14	8701.45	6	87.03	6
13	13	-737	Max	393.00	-14199.90	2	1793.26	10	3229.62	10	3023.35	14	4954.52	14	87.03	6
13	13	-737	Min.	0.00	-17940.00	10	-1457.58	2	-3818.11	10	-3579.71	6	-6927.25	14	-128.42	14
13	13	-737	Min.	393.00	-16711.90	10	-1457.58	2	-2490.16	2	-3579.71	6	-5366.82	6	-128.42	14
13	-737	213	Max	0.00	-12032.30	2	2371.53	2	1039.59	10	1659.37	14	4869.33	14	119.51	14
13	-737	213	Max	170.38	-11499.90	2	2371.53	2	1073.34	6	1659.37	14	1428.07	14	119.51	14
13	-737	213	Min.	0.00	-15278.10	10	-496.31	10	-3009.37	2	-2025.12	6	-5343.73	6	-119.88	6
13	-737	213	Min.	170.38	-14745.70	10	-496.31	10	151.90	14	-2025.11	6	-2525.62	6	-119.88	6
14	14	214	Max	0.00	-6683.54	14	802.07	10	2141.56	2	1988.10	6	8709.19	14	58.44	2
14	14	214	Max	481.00	-5180.41	14	802.07	10	1567.31	10	1988.10	6	4145.15	6	58.44	2
14	14	214	Min.	0.00	-8189.69	6	-761.30	2	-2290.64	10	-3299.01	14	-5417.63	6	-92.40	10
14	14	214	Min.	481.00	-6686.56	6	-761.30	2	-1520.30	2	-3299.01	14	-7159.07	14	-92.40	10
15	15	215	Max	0.00	-2627.93	2	2121.65	6	3525.53	14	6103.98	10	13157.60	2	94.96	2
15	15	215	Max	425.45	-899.55	2	2121.65	6	4500.65	6	6103.98	10	9474.00	10	94.96	2
15	15	215	Min.	0.00	-8224.32	10	-1715.59	14	-4526.00	6	-5621.16	2	-16495.70	10	-150.13	10
15	15	215	Min.	425.45	-6495.94	10	-1715.59	14	-3773.56	14	-5621.16	2	-10757.90	2	-150.13	10
16	16	216	Max	0.00	-7142.75	10	688.47	6	1192.08	14	2707.74	10	6723.57	2	49.66	2
16	16	216	Max	567.23	-5370.15	10	688.47	6	1863.35	6	2707.75	10	7419.23	10	49.66	2
16	16	216	Min.	0.00	-13793.20	2	-449.86	14	-2041.92	6	-2256.77	2	-7940.08	10	-78.51	10
16	16	216	Min.	567.23	-12020.60	2	-449.86	14	-1359.68	14	-2256.77	2	-6077.67	2	-78.51	10
17	17	217	Max	0.00	-8935.69	6	1559.27	14	1861.48	6	5590.53	10	14462.30	2	83.83	2
17	17	217	Max	482.51	-6975.52	6	1559.27	14	3638.97	14	5590.53	10	11462.80	10	83.83	2
17	17	217	Min.	0.00	-13527.90	14	-818.91	6	-3884.67	14	-5141.02	2	-15511.90	10	-132.54	10
17	17	217	Min.	482.51	-11567.70	14	-818.91	6	-2089.87	6	-5141.02	2	-10343.50	2	-132.54	10
18	18	118	Max	0.00	-11001.50	6	709.34	14	684.95	6	3907.03	10	11514.10	2	83.90	2
18	18	118	Max	489.53	-9012.75	6	709.34	14	1100.94	14	3907.03	10	7092.56	10	83.90	2
18	18	118	Min.	0.00	-15159.00	14	-220.47	6	-2374.37	14	-3859.52	2	-12038.70	10	-118.39	10
18	18	118	Min.	489.53	-13170.30	14	-220.47	6	-397.20	6	-3859.52	2	-7384.59	2	-118.39	10
18	118	218	Max	0.00	-4537.75	6	6289.62	14	2665.76	6	2280.51	10	5415.35	10	45.21	6
18	118	218	Max	107.69	-4100.27	6	6289.65	14	4730.35	14	2280.52	10	7500.03	10	45.21	6
18	118	218	Min.	0.00	-7581.55	14	-6568.66	6	-2085.25	14	-1545.54	2	-4895.27	2	-104.73	14
18	118	218	Min.	107.69	-7144.07	14	-6568.69	6	-4450.32	6	-1545.55	2	-6188.47	2	-104.73	14
19	19	119	Max	0.00	-5479.78	14	1682.20	14	2162.30	6	4411.35	10	12851.70	2	101.82	2
19	19	119	Max	402.53	-3844.49	14	1682.19	14	2817.60	14	4411.35	10	6481.17	10	101.82	2
19	19	119	Min.	0.00	-8360.50	6	-1060.96	6	-3955.66	14	-4644.83	2	-11280.20	10	-143.68	10
19	19	119	Min.	402.53	-6725.21	6	-1060.95	6	-2110.26	6	-4644.83	2	-5849.52	2	-143.68	10
102	120	104	Max	24.44	12754.00	2	845.02	14	2461.67	6	2318.11	10	2421.44	2	-8.43	6
102	120	104	Max	351.18	12548.40	2	845.02	14	1043.76	14	1359.73	10	3074.98	10	-8.43	6
102	120	104	Min.	24.44	-13189.50	10	-1475.76	6	-1717.25	14	-1300.55	2	-2935.90	10	-414.70	14
102	120	104	Min.	351.18	-13395.10	10	-1475.76	6	-2360.16	6	-2258.93	2	-3396.09	2	-414.70	14
102	104	21	Max	0.00	20290.70	2	814.54	14	4037.59	6	4547.91	10	4371.09	2	616.85	6

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102	104	21	Max	115.00	20218.30	2	814.54	14	277.48	14	4210.59	10	11.47	10	616.85	6
102	104	21	Min.	0.00	-17555.60	10	-6246.77	6	-664.94	14	-3659.75	2	-5025.03	10	-277.50	14
102	104	21	Min.	115.00	-17628.00	10	-6246.77	6	-3151.91	6	-3997.07	2	-31.94	2	-277.50	14
103	105	106	Max	24.44	5983.51	10	234.26	14	176.70	6	974.13	10	974.87	2	159.85	14
103	105	106	Max	358.43					413.28	14			328.80	14		
103	105	106	Max	390.29	5845.37	10	234.26	14	487.91	14	330.27	10	1025.49	10	159.85	14
103	105	106	Min.	24.44	-1915.73	2	-113.04	6	-369.13	14	-296.98	2	-1360.54	10	-81.01	6
103	105	106	Min.	358.43					-141.43	14			-370.95	14		
103	105	106	Min.	390.29	-2053.87	2	-113.04	6	-236.86	6	-940.84	2	-1289.37	2	-81.01	6
103	106	22	Max	0.00	8926.95	2	1959.77	14	579.08	6	1637.59	10	1220.76	2	371.56	6
103	106	22	Max	1.61					-1064.38	8			133.79	8		
103	106	22	Max	115.00	8883.53	2	1959.77	14	936.92	14	1435.20	10	30.72	2	371.56	6
103	106	22	Min.	0.00	-3252.66	10	-769.09	6	-1318.51	14	-935.35	2	-1769.83	10	-518.97	14
103	106	22	Min.	1.61					527.07	8			-609.83	8		
103	106	22	Min.	115.00	-3296.09	10	-769.09	6	-307.07	6	-1137.75	2	-4.97	10	-518.97	14
105	110	111	Max	24.44	6273.64	2	142.91	14	314.02	6	939.48	2	942.65	10	99.14	14
105	110	111	Max	332.08					169.42	6			269.84	6		
105	110	111	Max	390.29	6135.49	2	142.91	14	298.20	14	295.61	2	961.05	2	99.14	14
105	110	111	Min.	24.44	-1458.47	10	-185.43	6	-224.65	14	-273.32	10	-1298.19	2	-67.94	6
105	110	111	Min.	332.08					-256.45	6			-210.50	6		
105	110	111	Min.	390.29	-1596.61	10	-185.43	6	-364.38	6	-917.18	10	-1235.04	10	-67.94	6
105	111	23	Max	0.00	8705.41	10	826.61	14	903.80	6	1545.61	2	1185.59	10	344.04	6
105	111	23	Max	17.21					-368.03	8			96.58	8		
105	111	23	Max	115.00	8661.99	10	826.61	14	273.52	14	1343.22	2	30.35	10	344.04	6
105	111	23	Min.	0.00	-3553.55	2	-1354.43	6	-677.46	14	-905.17	10	-1677.79	2	-551.59	14
105	111	23	Min.	17.21					624.76	8			-522.44	8		
105	111	23	Min.	115.00	-3596.97	2	-1354.43	6	-654.17	6	-1107.56	10	-18.80	2	-551.59	14
107	118	119	Max	31.78	9006.97	2	359.35	14	475.13	6	1510.79	2	1771.19	10	87.07	6
107	118	119	Max	351.17	8886.37	2	359.35	14	537.67	14	948.67	2	1901.31	2	87.07	6
107	118	119	Min.	31.78	-5246.64	10	-271.96	6	-610.13	14	-938.04	10	-2026.84	2	-67.33	14
107	118	119	Min.	351.17	-5367.24	10	-271.96	6	-393.55	6	-1500.17	10	-2123.02	10	-67.33	14
107	119	24	Max	0.00	11749.20	10	1413.72	14	690.15	6	2687.06	2	2539.94	10	80.67	6
107	119	24	Max	115.00	11705.80	10	1413.72	14	709.34	14	2484.67	2	152.10	2	80.67	6
107	119	24	Min.	0.00	-7872.00	2	-1160.65	6	-919.59	14	-2215.05	10	-2825.98	2	-306.43	14
107	119	24	Min.	115.00	-7915.42	2	-1160.65	6	-647.74	6	-2417.44	10	-128.07	10	-306.43	14
108	25	26	Max	0.00	5042.19	10	98.98	14	410.68	6	642.93	2	490.42	10	76.91	2
108	25	26	Max	24.60					187.43	10			495.74	10		
108	25	26	Max	414.73	4885.59	10	98.98	14	188.66	14	-86.97	2	348.80	2	76.91	2
108	25	26	Min.	0.00	-2987.00	2	-184.85	6	-222.16	14	43.28	10	-804.10	2	-48.75	10
108	25	26	Min.	24.60					-59.74	10			-583.75	10		
108	25	26	Min.	414.73	-3143.60	2	-184.85	6	-356.25	6	-686.62	10	-843.67	10	-48.75	10
108	26	27	Max	0.00	5068.51	10	1004.17	14	938.58	6	884.16	2	705.25	10	138.60	10
108	26	27	Max	40.92					-133.25	16			90.38	16		
108	26	27	Max	115.00	5025.08	10	1004.17	14	603.64	14	681.77	2	95.14	10	138.60	10
108	26	27	Min.	0.00	-4838.00	2	-1600.51	6	-551.28	14	-449.75	10	-1012.92	2	-19.13	2
108	26	27	Min.	59.08					17.53	8			-197.71	8		
108	26	27	Min.	115.00	-4881.42	2	-1600.51	6	-902.13	6	-652.14	10	-135.99	2	-19.13	2
113	120	-714	Max	0.00	0.00	2	574.27	6	307.91	14	1422.84	6	537.75	14	775.29	2
113	120	-714	Max	58.33	0.00	2	447.85	6	99.69	6	828.09	6	252.36	6	775.29	2
113	120	-714	Min.	0.00	0.00	2	-630.56	14	-198.71	6	-1230.45	14	-404.29	6	-994.43	10
113	120	-714	Min.	58.33	0.00	2	-756.98	14	-97.06	14	-1825.21	14	-353.61	14	-994.43	10
113	-714	-715	Max	0.00	0.00	2	256.63	6	199.35	14	723.34	6	294.07	14	116.69	10
113	-714	-715	Max	1.54					63.90	2			90.13	2		
113	-714	-715	Max	58.33	0.00	2	130.21	6	20.11	14	128.58	6	-24.11	6	116.69	10
113	-714	-715	Min.	0.00	0.00	2	-244.09	14	-172.78	6	-379.37	14	-272.62	6	-134.43	2
113	-714	-715	Min.	1.54					-59.46	2			-95.91	2		
113	-714	-715	Min.	58.33	0.00	2	-370.51	14	-59.97	6	-974.12	14	-100.74	14	-134.43	2
113	-715	121	Max	0.00	0.00	2	1432.83	6	168.41	6	3313.60	6	249.13	14	62.58	14
113	-715	121	Max	55.18					15.52	12			17.80	12		
113	-715	121	Max	58.33	0.00	2	1306.41	6	967.36	6	2718.84	6	1473.04	6	62.58	14
113	-715	121	Min.	0.00	0.00	2	-1681.08	14	-274.51	14	-3543.96	14	-286.43	6	-29.45	6
113	-715	121	Min.	55.18					-466.42	12			-706.42	12		
113	-715	121	Min.	58.33	0.00	2	-1807.50	14	-1292.02	14	-4138.72	14	-1991.66	14	-29.45	6
113	121	105	Max	0.00	0.00	2	1533.16	14	2017.98	6	3159.47	14	1726.81	6	204.98	10
113	121	105	Max	8.59					1924.14	6			1731.97	6		
113	121	105	Max	256.00	0.00	2	770.78	14	1167.86	14	-427.25	14	836.36	14	204.98	10
113	121	105	Min.	0.00	0.00	2	-1080.04	6	-1781.19	14	120.31	6	-2660.90	14	-85.91	2
113	121	105	Min.	8.59					-1416.52	6			-2124.35	6		
113	121	105	Min.	256.00	0.00	2	-1842.42	6	-1722.79	6	-3466.41	6	-2556.22	6	-85.91	2
113	105	110	Max	0.00	0.00	2	1258.76	14	781.23	6	2835.58	14	327.32	6	48.70	10
113	105	110	Max	202.39					537.44	14			654.02	14		
113	105	110	Max	255.00	0.00	2	499.35	14	841.38	14	-737.12	14	460.11	14	48.70	10
113	105	110	Min.	0.00	0.00	2	-461.96	6	-1400.21	14	833.36	6	-2215.43	14	-11.47	2
113	105	110	Min.	246.11					-493.99	10			-977.85	10		
113	105	110	Min.	255.00	0.00	2	-1221.37	6	-1365.02	6	-2739.35	6	-2102.83	6	-11.47	2
113	110	118	Max	0.00	0.00	2	1673.88	14	468.51	6	3797.97	14	-610.46	6	87.97	10
113	110	118	Max	271.06					1390.93	14			1678.76	14		
113	110	118	Max	354.00	-0.00	2	619.65	14	2007.19	14	-1161.79	14	1196.99	14	87.97	10
113	110	118	Min.	0.00	0.00	2	9.82	6	-2052.71	14	1923.96	6	-3469.41	14	-119.83	2

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113	110	118	Min.	319.88					-5.59	4			-485.18	4		
113	110	118	Min.	354.00	-0.00	2	-1044.41	6	-1363.06	6	-3035.80	6	-2578.78	6	-119.83	2
113	118	25	Max	0.00	0.00	2	1170.09	10	-372.06	6	2109.87	10	-577.40	6	804.10	2
113	118	25	Max	115.00	0.00	2	920.87	10	98.56	6	937.34	10	141.51	6	804.10	2
113	118	25	Min.	0.00	0.00	2	487.73	2	-1294.78	14	1115.44	2	-1704.75	14	-490.42	10
113	118	25	Min.	115.00	0.00	2	238.50	2	-145.52	14	-57.08	2	-62.95	14	-490.42	10
115	-1424	104	Max	0.00	0.00	2	1415.01	14	-727.86	14	327.72	6	1122.42	6	350.25	10
115	-1424	104	Max	23.04					-483.56	6			1160.16	6		
115	-1424	104	Max	150.00	0.00	2	1868.49	14	1734.75	14	-1805.71	6	13.90	6	350.25	10
115	-1424	104	Min.	0.00	0.00	2	361.75	6	-1145.81	6	-1040.96	14	845.29	14	-331.40	2
115	-1424	104	Min.	23.04					-1054.44	6			649.10	6		
115	-1424	104	Min.	150.00	0.00	2	815.23	6	-263.05	6	-3174.39	14	-2316.19	14	-331.40	2
115	106	-1424	Max	50.00	-0.00	2	-657.75	14	2025.63	6	3301.22	6	39.87	14	350.25	10
115	106	-1424	Max	187.28					-276.08	14			1379.91	14		
115	106	-1424	Max	281.00	-0.00	2	40.60	14	-1152.14	14	15.73	6	1082.00	6	350.25	10
115	106	-1424	Min.	50.00	-0.00	2	-1804.40	6	-439.39	14	1952.39	14	-2749.13	6	-331.40	2
115	106	-1424	Min.	187.28					-1057.47	14			557.64	14		
115	106	-1424	Min.	281.00	-0.00	2	-1106.05	6	-1335.99	6	-1333.10	14	755.11	14	-331.40	2
115	111	106	Max	50.00	0.00	2	2217.88	14	2197.59	6	3656.57	6	2490.02	14	50.89	10
115	111	106	Max	78.51					-7.63	12			561.35	12		
115	111	106	Max	280.00	0.00	2	2913.21	14	3476.15	14	385.30	6	1684.64	6	50.89	10
115	111	106	Min.	50.00	0.00	2	-2109.88	6	-2424.74	14	-1437.52	14	-2963.66	6	-43.69	2
115	111	106	Min.	84.98					-459.35	2			-796.75	2		
115	111	106	Min.	280.00	0.00	2	-1414.55	6	-1855.65	6	-4708.79	14	-4578.38	14	-43.69	2
115	119	111	Max	25.00	0.00	2	663.17	14	1028.91	6	3018.10	6	976.03	14	334.29	10
115	119	111	Max	105.29					152.62	14			1433.95	14		
115	119	111	Max	379.00	-0.00	2	1733.38	14	2427.92	14	-2016.80	6	-456.00	6	334.29	10
115	119	111	Min.	25.00	0.00	2	-1003.68	6	-1814.71	14	1140.95	14	-2229.08	6	-301.88	2
115	119	111	Min.	105.29					-1185.08	14			-74.60	14		
115	119	111	Min.	379.00	-0.00	2	66.52	6	-630.60	6	-3893.95	14	-3897.56	14	-301.88	2
115	26	119	Max	0.00	0.00	2	736.03	10	99.70	14	-119.05	2	241.22	6	1361.58	2
115	26	119	Max	115.00	-0.00	2	1083.70	10	1069.03	10	-1754.68	2	-937.12	2	1361.58	2
115	26	119	Min.	0.00	0.00	2	469.03	2	-190.85	6	-508.15	10	-50.33	14	-1548.78	10
115	26	119	Min.	115.00	-0.00	2	816.70	2	625.46	2	-2143.79	10	-1474.25	10	-1548.78	10
116	22	21	Max	0.00	0.00	2	-81.77	10	90.55	2	477.75	2	-189.21	10	31.89	2
116	22	21	Max	271.35					-60.55	2			265.01	2		
116	22	21	Max	456.00	-0.00	2	88.88	10	42.61	10	-325.11	2	-35.15	2	31.89	2
116	22	21	Min.	0.00	0.00	2	-110.57	2	26.40	10	390.68	10	-383.18	2	-11.41	10
116	22	21	Min.	262.02					-68.38	10			230.06	10		
116	22	21	Min.	456.00	-0.00	2	60.08	2	-24.57	2	-412.18	10	-238.24	10	-11.41	10
116	23	22	Max	0.00	0.00	2	0.58	14	98.22	6	341.29	6	-50.33	14	3.31	6
116	23	22	Max	188.82					70.54	6			7.70	6		
116	23	22	Max	280.00	-0.00	2	105.37	14	154.89	14	-151.70	6	-64.78	6	3.31	6
116	23	22	Min.	0.00	0.00	2	-83.54	6	3.76	14	85.28	14	-338.56	6	-8.58	14
116	23	22	Min.	188.82					1.96	6			-199.91	6		
116	23	22	Min.	280.00	-0.00	2	21.24	6	8.19	6	-407.70	14	-510.07	14	-8.58	14
116	24	23	Max	0.00	0.00	2	8.87	14	103.69	6	406.93	6	363.28	14	16.09	2
116	24	23	Max	52.26					36.45	14			387.32	14		
116	24	23	Max	379.00	-0.00	2	150.70	14	157.43	14	-260.36	6	-111.11	6	16.09	2
116	24	23	Min.	0.00	0.00	2	-95.12	6	-144.96	14	92.00	14	-388.88	6	-32.91	10
116	24	23	Min.	74.74					-108.18	6			-133.93	6		
116	24	23	Min.	379.00	-0.00	2	46.72	6	11.97	6	-575.29	14	-552.56	14	-32.91	10
116	27	24	Max	0.00	0.00	2	144.87	6	56.24	14	489.55	14	136.19	6	95.15	10
116	27	24	Max	115.00	-0.00	2	187.91	6	149.35	6	287.07	14	257.99	14	95.15	10
116	27	24	Min.	0.00	0.00	2	-143.41	14	-42.00	6	-428.81	6	-188.57	14	-136.00	2
116	27	24	Min.	115.00	-0.00	2	-100.38	14	-83.94	14	-631.29	6	-473.37	6	-136.00	2
201	-741	229	Max	0.00	3225.44	10	490.31	14	1303.05	6	722.15	10	190.82	10	107.90	10
201	-741	229	Max	73.01					-41.94	14			124.28	14		
201	-741	229	Max	123.84	3349.62	10	490.31	14	228.57	6	371.99	10	865.13	10	107.90	10
201	-741	229	Min.	0.00	-5288.13	2	-2139.77	6	-400.14	14	-989.08	2	-238.79	2	-10.29	2
201	-741	229	Min.	73.01					-281.88	14			-418.60	14		
201	-741	229	Min.	123.84	-5163.94	2	-2139.77	6	-1368.41	14	-1339.24	2	-1677.33	2	-10.29	2
201	229	226	Max	0.00	3423.68	2	7.67	6	689.40	14	712.12	10	118.89	2	115.03	10
201	229	226	Max	164.22					139.52	2			499.10	2		
201	229	226	Max	472.69	3897.68	2	7.67	6	39.05	6	-624.38	10	-563.18	10	115.03	10
201	229	226	Min.	0.00	-3503.93	10	-336.75	14	-19.93	6	462.35	2	-773.60	10	-25.80	2
201	229	226	Min.	169.92					-18.18	10			25.95	10		
201	229	226	Min.	472.69	-3029.93	10	-336.75	14	-925.09	14	-874.15	2	-857.42	2	-25.80	2
201	36	226	Max	0.00	3470.04	14	428.87	14	-1.61	6	598.92	2	-315.76	10	21.04	6
201	36	226	Max	207.16					151.58	10			294.72	10		
201	36	226	Max	391.75	3814.87	14	428.87	14	974.59	14	-524.60	2	-187.80	10	21.04	6
201	36	226	Min.	0.00	-6470.41	6	-10.46	6	-705.50	14	569.93	10	-381.35	2	-128.11	14
201	36	226	Min.	207.57					8.40	2			198.70	2		
201	36	226	Min.	391.75	-6125.57	6	-10.46	6	-42.58	6	-553.60	10	-331.75	2	-128.11	14
201	224	36	Max	0.00	16905.20	10	-695.84	6	1898.43	14	4092.84	2	1469.61	10	409.05	14
201	224	36	Max	40.00	16863.40	10	-695.84	6	-75.51	6	3980.36	2	-315.78	10	409.05	14
201	224	36	Min.	0.00	-9388.54	2	-6888.96	14	202.82	6	-4413.38	10	-1993.52	2	50.01	6
201	224	36	Min.	40.00	-9430.37	2	-6888.96	14	-857.15	14	-4525.85	10	-381.33	2	50.01	6
201	225	224	Max	0.00	6442.95	6	-187.18	14	538.59	2	706.68	2	-35.93	10	81.21	6

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201	225	224	Max	251.03					-65.92	2			354.95	2		
201	225	224	Max	395.83	6028.95	6	-187.18	14	-280.50	6	-406.32	2	61.17	2	81.21	6
201	225	224	Min.	0.00	-4544.52	14	-278.65	6	382.71	10	350.09	10	-533.40	2	-81.73	14
201	225	224	Min.	251.03					-170.04	2			-18.04	2		
201	225	224	Min.	395.83	-4958.52	14	-278.65	6	-642.12	14	-762.91	10	-853.10	10	-81.73	14
201	-738	225	Max	0.00	1771.58	2	-958.43	14	1158.21	2	77.84	10	20.28	2	53.80	14
201	-738	225	Max	5.22					1062.57	2			20.65	2		
201	-738	225	Max	135.60	1621.73	2	-958.43	14	-581.37	14	-300.36	10	-191.48	10	53.80	14
201	-738	225	Min.	0.00	1073.14	10	-1944.38	6	715.78	10	14.12	2	-87.68	10	-123.28	6
201	-738	225	Min.	5.22					724.51	2			-82.80	2		
201	-738	225	Min.	135.60	923.29	10	-1944.38	6	-1480.92	6	-364.08	2	-264.06	2	-123.28	6
202	-698	201	Max	0.00	15594.00	10	3689.14	14	1395.05	6	5089.28	10	263.29	2	349.06	6
202	-698	201	Max	121.88					2701.16	14			1133.03	14		
202	-698	201	Max	123.84	16306.90	10	3689.14	14	2773.53	14	3079.13	10	4823.26	10	349.06	6
202	-698	201	Min.	0.00	-9664.92	2	-3147.94	6	-1795.86	14	-4858.15	2	-243.11	10	-308.76	14
202	-698	201	Min.	121.88					-2123.76	14			-2535.39	14		
202	-698	201	Min.	123.84	-8952.00	2	-3147.94	6	-2504.09	6	-6868.30	2	-7006.29	2	-308.76	14
202	201	202	Max	61.26	14412.50	10	924.52	14	1581.23	6	4305.84	10	2661.88	2	82.55	14
202	201	202	Max	99.46					583.15	2			2780.28	2		
202	201	202	Max	393.78	16326.50	10	924.52	14	1431.76	14	-1091.36	10	863.72	10	82.55	14
202	201	202	Min.	61.26	-4945.33	2	-907.46	6	-1642.80	14	619.67	2	-4481.89	10	-61.85	6
202	201	202	Min.	99.46					-489.45	2			-2595.93	2		
202	201	202	Min.	393.78	-3031.35	2	-907.46	6	-1436.62	6	-4777.53	2	-4252.17	2	-61.85	6
202	202	219	Max	16.49	10902.40	10	8252.95	14	1455.71	6	12383.40	10	1486.27	2	461.62	10
202	202	219	Max	47.96					-1744.95	16			-1283.13	16		
202	202	219	Max	48.28	11085.50	10	8252.95	14	1031.70	6	11867.50	10	-1071.22	2	461.62	10
202	202	219	Min.	16.49	-37592.00	2	-10249.30	6	-1820.19	14	-7793.32	2	-5430.13	10	-63.82	2
202	202	219	Min.	47.96					620.31	16			-1419.53	16		
202	202	219	Min.	48.28	-37408.90	2	-10249.30	6	-2030.82	14	-8309.26	2	-1577.49	10	-63.82	2
202	219	31	Max	0.00	8779.00	14	375.11	14	705.63	6	3406.38	10	-1732.09	2	-30.58	10
202	219	31	Max	206.78					-36.23	10			1412.38	10		
202	219	31	Max	391.75	6799.42	14	375.11	14	675.35	14	-3043.39	10	-1400.57	10	-30.58	10
202	219	31	Min.	0.00	-5425.85	6	-402.25	6	-794.31	14	3120.62	2	-2111.60	10	-69.99	2
202	219	31	Min.	205.50					-107.41	2			1204.34	2		
202	219	31	Min.	391.75	-7405.43	6	-402.25	6	-870.38	6	-3329.14	2	-2140.56	2	-69.99	2
202	31	203	Max	0.00	68705.70	10	11845.00	6	623.10	14	23180.60	10	-1400.58	10	401.09	14
202	31	203	Max	40.00	68755.90	10	11845.00	6	3637.76	6	23045.60	10	7843.75	10	401.09	14
202	31	203	Min.	0.00	-32069.90	2	-6543.44	14	-1100.28	6	-16941.60	2	-2140.57	2	-742.22	6
202	31	203	Min.	40.00	-32019.70	2	-6543.44	14	-1994.31	14	-17076.60	2	-8943.31	2	-742.22	6
202	203	221	Max	12.00	17205.00	6	882.62	6	1510.82	14	1682.93	10	1898.74	2	135.87	14
202	203	221	Max	63.41					961.60	6			687.67	6		
202	203	221	Max	395.83	17686.70	6	882.62	6	1592.78	6	387.81	10	1134.85	10	135.87	14
202	203	221	Min.	12.00	-12361.20	14	-913.62	14	-1795.16	6	-333.58	2	-2839.50	10	65.05	6
202	203	221	Min.	63.41					-1341.41	6			-785.73	6		
202	203	221	Min.	395.83	-11879.40	14	-913.62	14	-1996.10	14	-1628.70	2	-1867.46	2	65.05	6
202	221	-730	Max	23.24	-3439.61	10	4014.07	6	4736.45	14	1290.25	10	440.26	2	328.96	6
202	221	-730	Max	92.39					369.58	6			49.18	6		
202	221	-730	Max	135.60	-3290.61	10	4014.07	6	1755.19	6	914.19	10	64.17	10	328.96	6
202	221	-730	Min.	23.24	-7016.52	2	-6292.60	14	-2756.54	6	-206.83	2	-1174.37	10	-742.37	14
202	221	-730	Min.	92.39					-4.52	6			-184.76	6		
202	221	-730	Min.	135.60	-6867.51	2	-6292.60	14	-2335.44	14	-582.88	2	-3.48	2	-742.37	14
203	-742	-716	Max	0.00	10556.90	10	-1500.27	6	1677.58	14	3855.21	10	0.00	2	624.00	14
203	-742	-716	Max	40.00	10582.00	10	-1500.27	6	-358.07	6	3787.73	10	1528.59	10	624.00	14
203	-742	-716	Min.	0.00	-12361.50	2	-10398.80	14	242.03	6	-4669.65	2	0.00	2	90.03	6
203	-742	-716	Min.	40.00	-12336.40	2	-10398.80	14	-2481.93	14	-4737.13	2	-1881.35	2	90.03	6
203	-716	223	Max	0.00	5284.41	14	7.67	6	509.14	14	636.65	10	367.31	2	-52.55	14
203	-716	223	Max	34.72					287.39	2			377.48	2		
203	-716	223	Max	395.83	5532.81	14	7.67	6	51.36	6	-31.15	10	362.05	10	-52.55	14
203	-716	223	Min.	0.00	-10597.80	6	-224.86	14	20.95	6	58.58	2	-836.36	10	-103.00	6
203	-716	223	Min.	34.72					155.78	2			-618.32	2		
203	-716	223	Min.	395.83	-10349.40	6	-224.86	14	-380.96	14	-609.22	2	-722.50	2	-103.00	6
203	223	-731	Max	23.24	-2205.65	2	291.50	6	846.93	14	1035.06	10	681.20	2	152.33	6
203	223	-731	Max	134.20					-5.58	16			17.64	16		
203	223	-731	Max	135.60	-2131.15	2	291.50	6	66.06	6	847.03	10	27.02	10	152.33	6
203	223	-731	Min.	23.24	-6060.45	10	-1577.12	14	-261.49	6	-523.25	2	-1030.42	10	3.48	14
203	223	-731	Min.	118.33					7.48	8			-31.22	8		
203	223	-731	Min.	135.60	-5985.95	10	-1577.12	14	-925.14	14	-711.27	2	-12.43	2	3.48	14
204	-699	207	Max	0.00	7907.96	2	8254.99	14	3763.36	6	1876.28	2	111.56	14	1322.29	6
204	-699	207	Max	112.05					1784.23	2			1068.61	2		
204	-699	207	Max	123.84	8643.46	2	8254.99	14	6959.79	14	-197.55	2	1056.96	2	1322.29	6
204	-699	207	Min.	0.00	-5439.63	10	-8668.79	6	-3263.64	14	-2788.01	10	-78.64	6	-1522.92	14
204	-699	207	Min.	112.05					-2796.11	2			-4037.64	2		
204	-699	207	Min.	123.84	-4704.13	10	-8668.79	6	-6972.53	6	-4861.84	10	-4721.48	10	-1522.92	14
204	207	-722	Max	23.56	11710.50	2	961.72	14	2571.03	6	3676.26	2	-606.16	10	476.89	14
204	207	-722	Max	196.45					251.90	10			1896.37	10		
204	207	-722	Max	447.93	14230.80	2	961.72	14	1484.54	14	-3430.07	2	-2359.82	2	476.89	14
204	207	-722	Min.	23.56	-584.45	10	-969.72	6	-2596.73	14	2895.04	10	-2882.18	2	-441.88	6
204	207	-722	Min.	197.35					-288.88	2			977.94	2		
204	207	-722	Min.	447.93	1935.87	10	-969.72	6	-1544.18	6	-4211.29	10	-3399.08	10	-441.88	6

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204	-722	208	Max	0.00	13312.40	2	13554.80	14	367.82	6	-1203.83	2	-2359.82	2	236.30	6
204	-722	208	Max	1.19	13319.50	2	13554.80	14	103.41	6	-1223.81	2	-2474.67	2	236.30	6
204	-722	208	Min.	0.00	-7295.63	10	-22168.40	6	-237.65	14	-10037.50	10	-3399.08	10	-133.99	14
204	-722	208	Min.	1.19	-7288.54	10	-22168.40	6	-75.98	14	-10057.40	10	-3418.54	10	-133.99	14
204	208	32	Max	0.00	10474.10	10	113.89	6	169.57	14	4188.55	2	-3306.42	10	31.64	14
204	208	32	Max	245.57					0.95	10			1814.94	10		
204	208	32	Max	391.75	8431.81	10	113.89	6	168.70	6	-2465.55	2	0.01	10	31.64	14
204	208	32	Min.	0.00	10417.10	2	-69.60	14	-277.46	6	4171.06	10	-3374.94	2	-51.78	6
204	208	32	Min.	245.62					-0.09	2			1789.38	2		
204	208	32	Min.	391.75	8374.82	2	-69.60	14	-103.10	14	-2483.04	10	0.01	2	-51.78	6
205	-743	-717	Max	0.00	9441.51	2	1650.11	14	193.70	6	3399.62	2	0.00	6	72.05	6
205	-743	-717	Max	40.00	9466.61	2	1650.11	14	393.84	14	3332.14	2	1346.35	2	72.05	6
205	-743	-717	Min.	0.00	-11689.70	10	-1200.68	6	-266.20	14	-4460.45	10	0.00	6	-99.02	14
205	-743	-717	Min.	40.00	-11664.60	10	-1200.68	6	-286.57	6	-4527.94	10	-1797.68	10	-99.02	14
205	-717	210	Max	0.00	-1630.82	14	64.30	6	1.22	14	622.74	2	308.87	10	80.86	14
205	-717	210	Max	369.13					94.19	2			352.61	2		
205	-717	210	Max	395.83	-1382.42	14	64.30	6	195.11	6	-45.06	2	346.59	2	80.86	14
205	-717	210	Min.	0.00	-6502.98	6	-26.94	14	-59.42	6	81.29	10	-796.74	2	-105.28	6
205	-717	210	Min.	369.13					2.71	2			-518.34	2		
205	-717	210	Min.	395.83	-6254.58	6	-26.94	14	-105.42	14	-586.51	10	-691.06	10	-105.28	6
205	210	-732	Max	23.24	-2004.72	2	1611.50	6	409.50	14	956.42	2	714.71	10	132.67	6
205	210	-732	Max	37.03					-655.86	16			93.84	16		
205	210	-732	Max	135.60	-1930.22	2	1611.50	6	852.47	6	768.39	2	27.60	10	132.67	6
205	210	-732	Min.	23.24	-5988.67	10	-384.29	14	-958.43	6	-517.57	10	-980.08	2	-295.83	14
205	210	-732	Min.	37.03					337.84	16			-269.93	16		
205	210	-732	Min.	135.60	-5914.16	10	-384.29	14	-22.49	14	-705.60	10	-11.14	2	-295.83	14
206	-700	212	Max	0.00	6950.32	10	9298.74	14	3155.57	6	1750.14	10	121.15	6	1396.72	6
206	-700	212	Max	90.87					-72.16	12			588.80	12		
206	-700	212	Max	123.84	7507.24	10	9298.74	14	7265.77	14	179.82	10	1207.75	10	1396.72	6
206	-700	212	Min.	0.00	-6800.09	2	-7831.09	6	-4250.70	14	-2924.75	2	-88.32	14	-1243.19	14
206	-700	212	Min.	90.87					1034.77	12			-2658.76	12		
206	-700	212	Min.	123.84	-6243.16	2	-7831.09	6	-6543.31	6	-4495.06	2	-4574.35	2	-1243.19	14
206	212	-723	Max	23.56	12209.80	2	1017.56	14	2416.37	6	2818.41	10	-5.64	2	434.85	14
206	212	-723	Max	183.56					462.00	2			1617.32	2		
206	212	-723	Max	447.93	14118.20	2	1017.56	14	1655.35	14	-2562.52	10	-1756.68	10	434.85	14
206	212	-723	Min.	23.56	419.00	10	-890.79	6	-2662.87	14	2028.73	2	-2299.64	10	-450.91	6
206	212	-723	Min.	183.87					-504.06	10			589.24	10		
206	212	-723	Min.	447.93	2327.38	10	-890.79	6	-1363.88	6	-3352.20	2	-2813.86	2	-450.91	6
206	-723	213	Max	0.00	10378.50	10	29550.10	14	189.86	6	-523.25	10	-1756.68	10	100.21	6
206	-723	213	Max	1.19	10383.80	10	29550.10	14	64.05	6	-538.37	10	-1859.04	10	100.21	6
206	-723	213	Min.	0.00	-4941.56	2	-10548.10	6	-480.81	14	-9295.93	2	-2813.85	2	-322.80	14
206	-723	213	Min.	1.19	-4936.19	2	-10548.10	6	-128.35	14	-9311.06	2	-2828.79	2	-322.80	14
206	213	33	Max	0.00	8135.11	2	54.15	6	369.92	14	3172.35	10	-2503.20	2	69.03	14
206	213	33	Max	245.56					-0.03	2			1374.44	2		
206	213	33	Max	391.75	6588.69	2	54.15	6	80.21	6	-1866.15	10	0.01	2	69.03	14
206	213	33	Min.	0.00	8089.10	10	-151.84	14	-131.92	6	3158.23	2	-2558.53	10	-24.62	6
206	213	33	Min.	245.61					-1.91	10			1353.79	10		
206	213	33	Min.	391.75	6542.67	10	-151.84	14	-224.91	14	-1880.27	2	0.01	10	-24.62	6
207	-701	215	Max	0.00	12183.90	2	3359.04	14	-310.22	6	4211.77	2	245.06	10	97.71	6
207	-701	215	Max	120.26					2088.16	6			793.89	6		
207	-701	215	Max	123.84	12718.20	2	3359.04	14	2329.06	14	2705.14	2	4061.85	2	97.71	6
207	-701	215	Min.	0.00	-9554.17	10	347.10	6	-1833.05	14	-4620.37	10	-223.81	2	-190.75	14
207	-701	215	Min.	120.26					104.86	6			-2432.06	6		
207	-701	215	Min.	123.84	-9019.83	10	347.10	6	117.50	6	-6127.00	10	-6412.50	10	-190.75	14
207	215	216	Max	61.26	16494.30	10	914.89	14	229.47	6	3367.88	2	2735.88	10	79.21	14
207	215	216	Max	67.91					-364.75	10			2738.65	10		
207	215	216	Max	393.78	17928.90	10	914.89	14	1540.33	14	-677.38	2	858.65	2	79.21	14
207	215	216	Min.	61.26	-6518.51	2	-218.16	6	-1502.22	14	82.12	10	-3614.64	2	4.07	6
207	215	216	Min.	67.91					-946.43	10			-3005.36	10		
207	215	216	Min.	393.78	-5083.96	2	-218.16	6	-496.35	6	-3963.14	10	-3716.73	10	4.07	6
207	216	220	Max	16.49	13722.40	2	13848.90	14	2037.80	6	10177.60	2	1802.12	10	-331.28	14
207	216	220	Max	48.28	13859.70	2	13848.90	14	3055.47	14	9790.93	2	-696.59	10	-331.28	14
207	216	220	Min.	16.49	-28690.00	10	-3762.55	6	-1351.91	14	-7674.04	10	-4306.26	2	-970.08	6
207	216	220	Min.	48.28	-28552.70	10	-3762.55	6	836.83	6	-8060.74	10	-1134.60	2	-970.08	6
207	220	34	Max	0.00	1818.95	2	-52.00	6	1193.29	14	2556.99	2	-1268.55	10	49.40	10
207	220	34	Max	207.14					21.02	2			1057.76	2		
207	220	34	Max	391.75	335.24	2	-52.00	6	-97.62	6	-2277.18	2	-1043.46	2	49.40	10
207	220	34	Min.	0.00	-4856.30	10	-574.94	14	106.04	6	2311.96	10	-1591.61	2	1.16	2
207	220	34	Min.	205.61					-15.24	10			876.54	10		
207	220	34	Min.	391.75	-6340.02	10	-574.94	14	-1059.09	14	-2522.21	10	-1680.44	10	1.16	2
207	34	217	Max	0.00	56502.30	2	10795.90	14	-97.70	6	18541.80	2	-1043.47	2	-63.65	6
207	34	217	Max	40.00	56552.50	2	10795.90	14	3294.43	14	18406.90	2	6345.89	2	-63.65	6
207	34	217	Min.	0.00	-32533.50	10	1032.63	6	-1023.95	14	-16710.80	10	-1680.45	10	-664.11	14
207	34	217	Min.	40.00	-32483.30	10	1032.63	6	315.33	6	-16845.70	10	-8391.37	10	-664.11	14
207	217	218	Max	12.00	-365.09	10	1273.31	6	689.54	14	1929.41	2	2272.95	10	247.12	14
207	217	218	Max	38.26					526.28	14			658.67	14		
207	217	218	Max	365.37	78.42	10	1273.31	6	2302.89	6	737.07	2	1769.19	2	247.12	14
207	217	218	Min.	12.00	-9771.38	2	-621.73	14	-2197.11	6	-751.04	10	-2943.66	2	-45.73	6
207	217	218	Min.	38.26					-1789.88	14			-779.46	14		

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207	217	218	Min.	365.37	-9327.87	2	-621.73	14	-1507.93	14	-1943.38	10	-2489.25	10	-45.73	6
207	218	-733	Max	30.21	1923.40	2	7274.37	6	4279.78	14	3141.49	2	3046.13	10	601.13	6
207	218	-733	Max	135.60	2063.15	2	7274.37	6	2993.00	6	2788.78	2	197.66	2	601.13	6
207	218	-733	Min.	30.21	-11824.70	10	-6239.79	14	-4679.57	6	-2915.95	10	-2927.48	2	-663.80	14
207	218	-733	Min.	135.60	-11685.00	10	-6239.79	14	-2302.48	14	-3268.67	10	-213.04	10	-663.80	14
208	228	-740	Max	0.00	2266.53	2	2190.35	2	-282.62	10	1279.00	10	660.33	2	3.21	10
208	228	-740	Max	85.50					340.82	6			60.46	6		
208	228	-740	Max	123.84	2142.35	2	2190.35	2	1331.89	2	928.83	10	158.91	2	3.21	10
208	228	-740	Min.	0.00	-4765.92	10	342.25	10	-1384.86	2	-229.99	2	-1585.01	10	-84.99	2
208	228	-740	Min.	85.50					155.34	6			-241.06	6		
208	228	-740	Min.	123.84	-4890.11	10	342.25	10	137.09	10	-580.15	2	-218.11	10	-84.99	2
208	227	228	Max	0.00	4454.34	10	265.39	6	-396.86	14	846.84	10	-536.63	2	10.10	10
208	227	228	Max	299.50					133.23	10			482.72	10		
208	227	228	Max	472.69	3980.34	10	265.39	6	529.17	6	-489.66	10	58.71	10	10.10	10
208	227	228	Min.	0.00	-3430.54	2	166.91	14	-753.59	6	628.70	2	-785.51	10	-116.17	2
208	227	228	Min.	294.63					-0.67	2			88.44	2		
208	227	228	Min.	472.69	-3904.54	2	166.91	14	363.81	14	-707.80	2	-723.63	2	-116.17	2
208	35	227	Max	0.00	1188.58	2	-169.67	14	657.38	6	574.81	10	-307.76	2	102.00	2
208	35	227	Max	199.99					-35.85	2			265.63	2		
208	35	227	Max	391.75	1533.41	2	-169.67	14	-362.43	14	-548.72	10	-261.45	2	102.00	2
208	35	227	Min.	0.00	-4472.04	10	-386.20	6	302.26	14	548.12	2	-343.18	10	20.99	10
208	35	227	Min.	200.23					-117.05	10			182.06	10		
208	35	227	Min.	391.75	-4127.21	10	-386.20	6	-855.56	6	-575.41	2	-391.81	10	20.99	10
208	28	35	Max	0.00	14253.80	2	7273.29	14	-1040.01	6	3829.05	10	1099.25	2	-230.54	6
208	28	35	Max	40.00	14212.00	2	7273.29	14	889.79	14	3716.58	10	-307.77	2	-230.54	6
208	28	35	Min.	0.00	-8472.94	10	3732.53	6	-2019.56	14	-3462.16	2	-1851.96	10	-443.87	14
208	28	35	Min.	40.00	-8514.77	10	3732.53	6	452.96	6	-3574.63	2	-343.17	10	-443.87	14
208	29	28	Max	0.00	3378.44	10	394.30	14	-299.12	6	760.86	10	38.47	2	43.71	2
208	29	28	Max	270.14					278.05	10			328.02	10		
208	29	28	Max	395.83	2964.44	10	394.30	14	817.48	14	-352.14	10	107.07	10	43.71	2
208	29	28	Min.	0.00	-1555.87	2	171.63	6	-743.32	14	342.58	2	-702.19	10	17.29	10
208	29	28	Min.	270.14					211.13	10			-39.78	10		
208	29	28	Min.	395.83	-1969.87	2	171.63	6	380.25	6	-770.41	2	-808.62	2	17.29	10
208	-739	29	Max	0.00	2564.76	6	2291.12	14	-77.38	14	184.47	10	173.73	10	118.35	14
208	-739	29	Max	63.54					108.96	10			229.49	10		
208	-739	29	Max	135.60	2414.91	6	2291.12	14	1571.42	14	-193.74	10	158.32	10	118.35	14
208	-739	29	Min.	0.00	-926.50	14	323.70	6	-1538.06	6	-72.90	2	-182.69	2	-2.21	6
208	-739	29	Min.	60.81					-117.68	2			-273.63	2		
208	-739	29	Min.	135.60	-1076.36	14	323.70	6	358.89	6	-451.10	2	-528.85	2	-2.21	6
209	-698	-741	Max	0.00	0.00	2	497.99	2	68.37	10	957.86	2	122.54	10	190.82	10
209	-698	-741	Max	115.00	0.00	2	427.19	2	211.80	2	763.34	2	392.85	2	190.82	10
209	-698	-741	Min.	0.00	0.00	2	-118.66	10	-320.18	2	-189.35	10	-596.85	2	-238.79	2
209	-698	-741	Min.	115.00	0.00	2	-189.46	10	-108.80	10	-383.87	10	-207.06	10	-238.79	2
209	-699	-698	Max	0.00	0.00	2	200.85	10	-89.55	6	515.04	10	-300.33	6	25.07	2
209	-699	-698	Max	261.15					92.05	6			233.34	6		
209	-699	-698	Max	531.00	0.00	2	-126.05	10	-39.04	10	-383.12	10	-211.19	10	25.07	2
209	-699	-698	Min.	0.00	0.00	2	147.90	2	-244.67	14	421.65	2	-573.80	14	-52.86	10
209	-699	-698	Min.	325.30					61.79	12			169.29	12		
209	-699	-698	Min.	531.00	0.00	2	-179.00	2	-179.16	2	-476.50	2	-458.33	2	-52.86	10
209	-700	-699	Max	0.00	0.00	2	62.82	14	10.59	6	199.50	14	-24.03	6	65.97	14
209	-700	-699	Max	96.84					22.85	6			54.86	6		
209	-700	-699	Max	294.00	0.00	2	-118.18	14	-107.04	10	-297.78	14	-232.84	10	65.97	14
209	-700	-699	Min.	0.00	0.00	2	40.75	6	-31.32	14	160.31	6	-98.21	14	-60.84	6
209	-700	-699	Min.	77.65					-2.40	14			3.42	14		
209	-700	-699	Min.	294.00	0.00	2	-140.25	6	-141.34	2	-336.97	6	-293.56	2	-60.84	6
209	-701	-700	Max	0.00	0.00	2	72.37	10	146.32	14	215.25	10	217.27	14	67.08	2
209	-701	-700	Max	35.29					137.11	14			227.80	14		
209	-701	-700	Max	290.00	0.00	2	-106.17	10	-89.20	10	-275.27	10	-199.95	10	67.08	2
209	-701	-700	Min.	0.00	0.00	2	-23.99	2	-44.33	6	44.12	2	-119.98	6	-29.13	10
209	-701	-700	Min.	26.10					-26.13	2			-67.25	2		
209	-701	-700	Min.	290.00	0.00	2	-202.53	2	-186.28	2	-446.40	2	-373.11	2	-29.13	10
209	-740	-701	Max	0.00	0.00	2	68.23	2	212.12	10	158.33	2	390.27	10	218.11	10
209	-740	-701	Max	115.00	0.00	2	-2.57	2	35.69	10	-36.19	2	57.84	10	218.11	10
209	-740	-701	Min.	0.00	0.00	2	-378.65	10	-8.77	2	-673.03	10	-23.77	2	-158.91	2
209	-740	-701	Min.	115.00	0.00	2	-449.45	10	-270.75	2	-867.55	10	-506.94	2	-158.91	2
210	201	229	Max	0.00	0.00	2	1258.47	10	-182.84	6	1182.94	10	-212.98	6	1795.24	2
210	201	229	Max	115.00	0.00	2	1140.48	10	601.18	14	858.74	10	475.27	14	1795.24	2
210	201	229	Min.	0.00	0.00	2	421.94	2	-1108.47	14	470.98	2	-848.16	14	-1637.73	10
210	201	229	Min.	115.00	0.00	2	303.94	2	-95.73	6	146.79	2	-7.23	6	-1637.73	10
210	-1425	201	Max	0.00	0.00	2	674.76	14	702.64	14	670.20	14	343.33	14	449.62	10
210	-1425	201	Max	127.35					816.16	10			523.02	10		
210	-1425	201	Max	150.00	0.00	2	520.85	14	1599.19	14	247.34	14	1031.34	14	449.62	10
210	-1425	201	Min.	0.00	0.00	2	-1173.25	6	-129.38	6	-732.23	6	-3.18	6	-240.13	2
210	-1425	201	Min.	127.35					-696.67	10			-486.82	10		
210	-1425	201	Min.	150.00	0.00	2	-1327.16	6	-2004.54	6	-1155.09	6	-1418.53	6	-240.13	2
210	207	-1425	Max	65.00	0.00	2	1501.26	14	1292.96	6	1298.40	14	1217.27	6	449.62	10
210	207	-1425	Max	77.88					1729.77	8			1028.98	8		
210	207	-1425	Max	356.00	0.00	2	1202.68	14	697.59	14	478.05	14	345.16	14	449.62	10
210	207	-1425	Min.	65.00	0.00	2	-510.97	6	-3237.00	14	-44.25	6	-2239.77	14	-240.13	2

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210	207	-1425	Min.	99.86				-2719.96	14			-1804.33	14			
210	207	-1425	Min.	356.00	0.00	2	-809.55	6	151.25	6	-864.61	6	-105.32	6	-240.13	2
210	212	207	Max	0.00	0.00	2	2824.87	14	4299.77	6	2204.88	14	2726.69	6	491.06	6
210	212	207	Max	271.57					604.65	12			316.45	12		
210	212	207	Max	294.00	0.00	2	2523.21	14	3863.88	14	1376.07	14	2433.33	14	491.06	6
210	212	207	Min.	0.00	0.00	2	-2847.61	6	-3997.80	14	-1593.28	6	-2830.65	14	-503.09	14
210	212	207	Min.	271.57					-442.98	12			-384.61	12		
210	212	207	Min.	294.00	0.00	2	-3149.27	6	-4515.64	6	-2422.08	6	-3175.89	6	-503.09	14
210	215	212	Max	25.00	0.00	2	2546.44	14	2882.33	6	1997.52	14	2016.03	6	364.55	10
210	215	212	Max	225.00	0.00	2	2341.22	14	3314.60	14	1433.71	14	2194.61	14	364.55	10
210	215	212	Min.	25.00	0.00	2	-3803.68	6	-1585.31	14	-2438.53	6	-1243.46	14	-701.10	2
210	215	212	Min.	225.00	0.00	2	-4008.89	6	-4942.49	6	-3002.35	6	-3431.68	6	-701.10	2
210	228	215	Max	0.00	0.00	2	32.92	10	555.62	2	139.90	10	500.01	2	1382.89	2
210	228	215	Max	115.00	0.00	2	-85.08	10	207.08	14	-184.29	10	95.70	14	1382.89	2
210	228	215	Min.	0.00	0.00	2	-1317.56	2	205.04	10	-1009.45	2	109.54	10	-1642.65	10
210	228	215	Min.	115.00	0.00	2	-1435.55	2	-1059.44	6	-1333.64	2	-858.95	6	-1642.65	10
211	219	226	Max	0.00	0.00	2	0.00	10	0.00	2	2532.39	14	-346.78	6	525.82	2
211	219	226	Max	115.00	0.00	2	0.00	10	0.00	10	2049.39	14	818.52	14	525.82	2
211	219	226	Min.	0.00	0.00	2	0.00	2	0.00	10	488.77	6	-1816.02	14	375.23	10
211	219	226	Min.	115.00	0.00	2	0.00	2	0.00	2	5.77	6	-62.44	6	375.23	10
211	208	219	Max	50.00	0.00	2	0.00	2	0.00	2	1098.13	14	-843.08	2	-113.33	6
211	208	219	Max	304.84									453.70	6		
211	208	219	Max	531.00	0.00	2	0.00	2	0.00	2	-922.07	14	-570.97	14	-113.33	6
211	208	219	Min.	50.00	0.00	2	0.00	2	0.00	2	1028.64	6	-1001.08	10	-180.59	14
211	208	219	Min.	310.14									393.05	14		
211	208	219	Min.	531.00	0.00	2	0.00	2	0.00	2	-991.56	6	-760.58	6	-180.59	14
211	213	208	Max	0.00	0.00	2	0.00	2	0.00	2	483.17	10	-53.42	2	20.14	6
211	213	208	Max	96.25									141.27	2		
211	213	208	Max	294.00	0.00	2	0.00	2	0.00	2	-751.63	10	-553.16	14	20.14	6
211	213	208	Min.	0.00	0.00	2	0.00	2	0.00	10	404.38	2	-161.65	10	-27.77	14
211	213	208	Min.	99.92									111.45	10		
211	213	208	Min.	294.00	0.00	2	0.00	2	0.00	10	-830.41	2	-682.81	6	-27.77	14
211	220	213	Max	0.00	0.00	2	0.00	2	0.00	10	51.50	6	713.07	14	189.86	2
211	220	213	Max	240.00	0.00	2	0.00	2	0.00	2	-956.50	6	-787.43	6	189.86	2
211	220	213	Min.	0.00	0.00	2	0.00	10	0.00	2	-282.10	14	295.44	6	170.24	10
211	220	213	Min.	240.00	0.00	2	0.00	10	0.00	10	-1290.10	14	-1176.70	14	170.24	10
211	227	220	Max	0.00	0.00	2	0.00	10	0.00	2	-550.32	10	691.58	6	-274.84	2
211	227	220	Max	115.00	0.00	2	0.00	10	0.00	2	-1033.32	10	-636.68	10	-274.84	2
211	227	220	Min.	0.00	0.00	2	0.00	2	0.00	10	-1496.16	2	267.90	14	-394.02	10
211	227	220	Min.	115.00	0.00	2	0.00	2	0.00	10	-1979.16	2	-1312.74	2	-394.02	10
212	203	224	Max	0.00	0.00	2	0.00	10	0.00	2	3465.77	14	-1627.74	2	2053.22	2
212	203	224	Max	115.00	0.00	2	0.00	10	0.00	10	2085.60	14	1345.16	14	2053.22	2
212	203	224	Min.	0.00	0.00	2	0.00	2	0.00	10	2337.35	6	-1973.70	10	-2321.23	10
212	203	224	Min.	115.00	0.00	2	0.00	2	0.00	2	957.18	6	139.79	6	-2321.23	10
212	-1426	203	Max	0.00	0.00	2	0.00	10	0.00	2	2127.75	14	257.98	6	514.90	10
212	-1426	203	Max	133.40									1325.41	6		
212	-1426	203	Max	374.80	0.00	2	0.00	10	0.00	10	-2370.39	14	-1149.59	14	514.90	10
212	-1426	203	Min.	0.00	0.00	2	0.00	2	0.00	2	1600.57	6	-695.02	14	-388.86	2
212	-1426	203	Min.	133.40									1077.91	6		
212	-1426	203	Min.	374.80	0.00	2	0.00	2	0.00	2	-2897.57	6	-2172.71	6	-388.86	2
212	-716	-1426	Max	0.00	0.00	2	0.00	2	0.00	2	2802.23	14	-831.09	6	514.90	10
212	-716	-1426	Max	56.20	0.00	2	0.00	2	0.00	2	2127.75	14	257.98	6	514.90	10
212	-716	-1426	Min.	0.00	0.00	2	0.00	10	0.00	10	2275.06	6	-2080.34	14	-388.86	2
212	-716	-1426	Min.	56.20	0.00	2	0.00	10	0.00	10	1600.57	6	-695.02	14	-388.86	2
212	209	-716	Max	50.00	0.00	2	0.00	2	0.00	10	7320.65	6	613.85	14	1840.43	10
212	209	-716	Max	75.00	0.00	2	0.00	2	0.00	10	7020.61	6	863.08	6	1840.43	10
212	209	-716	Min.	50.00	0.00	2	0.00	10	0.00	2	1138.92	14	-3575.24	6	-1830.68	2
212	209	-716	Min.	75.00	0.00	2	0.00	10	0.00	2	838.89	14	-1784.59	14	-1830.68	2
212	-717	209	Max	0.00	0.00	2	0.00	2	0.00	2	1570.53	6	1661.31	14	408.23	10
212	-717	209	Max	205.00	0.00	2	0.00	2	0.00	2	-889.75	6	419.98	6	408.23	10
212	-717	209	Min.	0.00	0.00	2	0.00	2	0.00	2	-1917.90	14	-278.01	6	-374.23	2
212	-717	209	Min.	205.00	0.00	2	0.00	2	0.00	2	-4378.18	14	-4792.35	14	-374.23	2
212	214	-717	Max	0.00	0.00	2	0.00	10	0.00	2	5391.67	6	1611.74	14	1773.28	10
212	214	-717	Max	20.63									1637.27	14		
212	214	-717	Max	89.00	0.00	2	0.00	10	0.00	10	4323.54	6	1361.95	6	1773.28	10
212	214	-717	Min.	0.00	0.00	2	0.00	2	0.00	10	247.27	14	-4356.53	6	-1775.83	2
212	214	-717	Min.	20.63									-3194.99	14		
212	214	-717	Min.	89.00	0.00	2	0.00	2	0.00	2	-820.86	14	-38.72	14	-1775.83	2
212	217	214	Max	25.00	0.00	2	0.00	2	0.00	10	1965.12	6	2332.16	14	28.02	10
212	217	214	Max	240.00	0.00	2	0.00	2	0.00	10	-615.19	6	724.66	6	28.02	10
212	217	214	Min.	25.00	0.00	2	0.00	2	0.00	2	-1682.39	14	-726.71	6	-87.37	2
212	217	214	Min.	240.00	0.00	2	0.00	2	0.00	2	-4262.70	14	-4059.01	14	-87.37	2
212	28	217	Max	0.00	0.00	2	0.00	10	0.00	2	-1172.50	6	1432.41	14	1904.08	2
212	28	217	Max	115.00	0.00	2	0.00	10	0.00	2	-2552.67	6	-1400.64	6	1904.08	2
212	28	217	Min.	0.00	0.00	2	0.00	2	0.00	10	-1892.14	14	741.08	6	-1955.23	10
212	28	217	Min.	115.00	0.00	2	0.00	2	0.00	10	-3272.31	14	-1537.40	14	-1955.23	10
213	221	225	Max	0.00	0.00	2	3066.63	6	851.68	14	3076.59	6	488.58	14	316.45	2
213	221	225	Max	115.00	0.00	2	2574.48	6	720.00	6	1724.41	6	709.31	6	316.45	2
213	221	225	Min.	0.00	0.00	2	-147.06	14	-2526.26	6	341.50	14	-2052.43	6	-202.69	10

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213	221	225	Min.	115.00	0.00	2	-639.22	14	396.94	14	-1010.68	14	102.63	14	-202.69	10
213	-728	221	Max	0.00	0.00	2	4722.01	14	912.18	14	6255.35	14	21.51	6	1128.47	2
213	-728	221	Max	58.33	0.00	2	4472.36	14	3593.84	14	5569.46	14	3124.99	14	1128.47	2
213	-728	221	Min.	0.00	0.00	2	-4381.59	6	-1281.75	6	-5452.72	6	-324.07	14	-1163.78	10
213	-728	221	Min.	58.33	0.00	2	-4631.23	6	-3910.46	6	-6138.61	6	-3359.44	6	-1163.78	10
213	-729	-728	Max	0.00	0.00	2	787.70	14	159.03	6	1195.46	14	257.88	6	202.47	10
213	-729	-728	Max	58.33	0.00	2	538.05	14	97.61	14	509.57	14	162.39	14	202.47	10
213	-729	-728	Min.	0.00	0.00	2	-835.29	6	-289.11	14	-891.83	6	-334.93	14	-166.70	2
213	-729	-728	Min.	58.33	0.00	2	-1084.93	6	-401.08	6	-1577.72	6	-462.42	6	-166.70	2
213	222	-729	Max	0.00	0.00	2	2790.57	14	1773.43	6	3771.35	14	1528.77	6	52.84	10
213	222	-729	Max	10.34					106.03	12			85.08	12		
213	222	-729	Max	58.33	0.00	2	2540.93	14	451.05	6	3085.45	14	103.17	14	52.84	10
213	222	-729	Min.	0.00	0.00	2	-2142.22	6	-2153.83	14	-2572.68	6	-1896.84	14	-22.38	2
213	222	-729	Min.	10.34					-655.57	12			-531.06	12		
213	222	-729	Min.	58.33	0.00	2	-2391.86	6	-598.87	14	-3258.57	6	-172.12	6	-22.38	2
213	223	222	Max	25.00	0.00	2	2564.18	6	1371.31	14	2852.42	6	496.65	14	160.78	10
213	223	222	Max	267.59					2609.24	6			1397.80	6		
213	223	222	Max	281.00	0.00	2	1468.60	6	2809.99	6	-157.66	6	1387.23	6	160.78	10
213	223	222	Min.	25.00	0.00	2	-918.94	14	-2351.98	6	486.73	14	-2062.08	6	-138.61	2
213	223	222	Min.	267.59					-1794.58	6			-1565.33	6		
213	223	222	Min.	281.00	0.00	2	-2014.52	14	-2383.53	14	-2523.35	14	-2110.24	14	-138.61	2
213	210	223	Max	25.00	-0.00	2	1653.56	6	1175.74	14	2229.90	6	359.45	14	44.80	14
213	210	223	Max	83.16					741.76	14			558.24	14		
213	210	223	Max	280.00	-0.00	2	562.27	6	972.55	6	-768.41	6	173.53	6	44.80	14
213	210	223	Min.	25.00	-0.00	2	-621.88	14	-1852.80	6	683.65	14	-1689.98	6	-22.34	6
213	210	223	Min.	40.59					-611.85	10			-687.92	10		
213	210	223	Min.	280.00	-0.00	2	-1713.18	14	-1801.64	14	-2314.66	14	-1720.19	14	-22.34	6
213	218	210	Max	25.00	-0.00	2	951.12	6	1406.72	14	2186.18	6	42.58	14	136.84	10
213	218	210	Max	142.50					790.56	14			853.68	14		
213	218	210	Max	379.00	-0.00	2	-563.85	6	-53.73	6	-1976.19	6	-996.85	6	136.84	10
213	218	210	Min.	25.00	-0.00	2	-273.40	14	-739.93	6	1380.83	14	-1368.96	6	-93.28	2
213	218	210	Min.	46.25					161.32	10			-464.71	10		
213	218	210	Min.	379.00	-0.00	2	-1788.38	14	-2243.36	14	-2781.53	14	-2437.10	14	-93.28	2
213	29	218	Max	0.00	0.00	2	-495.22	6	840.33	14	45.20	6	570.22	14	566.14	2
213	29	218	Max	3.59					745.08	8			477.50	8		
213	29	218	Max	115.00	0.00	2	-987.37	6	-88.86	6	-1306.99	6	-248.98	6	566.14	2
213	29	218	Min.	0.00	0.00	2	-1828.46	14	206.75	6	-1089.49	14	246.20	6	-859.32	10
213	29	218	Min.	3.59					209.59	8			271.09	8		
213	29	218	Min.	115.00	0.00	2	-2320.62	14	-2102.26	14	-2441.67	14	-1690.55	14	-859.32	10
214	-730	-738	Max	0.00	0.00	2	536.07	2	-243.40	10	1071.05	2	-462.63	10	87.68	10
214	-730	-738	Max	115.00	0.00	2	369.81	2	187.35	2	614.23	2	339.73	2	87.68	10
214	-730	-738	Min.	0.00	0.00	2	405.00	10	-340.45	2	827.20	10	-640.96	2	-20.28	2
214	-730	-738	Min.	115.00	0.00	2	238.73	10	119.82	10	370.38	10	214.33	10	-20.28	2
214	-731	-730	Max	0.00	0.00	2	390.38	14	-79.20	6	1012.93	14	-385.93	6	23.76	2
214	-731	-730	Max	254.84					170.39	14			418.47	14		
214	-731	-730	Max	456.00	0.00	2	-268.91	14	-78.19	14	-798.46	14	-384.30	14	23.76	2
214	-731	-730	Min.	0.00	0.00	2	260.66	6	-355.24	14	783.89	6	-873.45	14	-17.06	10
214	-731	-730	Min.	269.84					102.43	14			291.30	14		
214	-731	-730	Min.	456.00	0.00	2	-398.63	6	-393.88	6	-1027.50	6	-941.51	6	-17.06	10
214	-732	-731	Max	0.00	0.00	2	241.85	6	-114.98	14	626.22	6	-294.29	14	7.61	6
214	-732	-731	Max	157.02					-1.25	6			42.56	6		
214	-732	-731	Max	280.00	0.00	2	-162.98	6	-92.98	6	-486.04	6	-255.89	6	7.61	6
214	-732	-731	Min.	0.00	0.00	2	152.33	14	-203.63	6	467.12	14	-452.52	6	-15.51	14
214	-732	-731	Min.	162.31					-58.95	14			-60.70	14		
214	-732	-731	Min.	280.00	0.00	2	-252.50	14	-255.43	14	-645.14	14	-543.88	14	-15.51	14
214	-733	-732	Max	0.00	0.00	2	242.86	6	-35.30	10	697.72	6	-232.09	10	15.09	2
214	-733	-732	Max	166.24					123.54	10			299.08	10		
214	-733	-732	Max	379.00	0.00	2	-305.10	6	-207.55	6	-807.80	6	-536.73	6	15.09	2
214	-733	-732	Min.	0.00	0.00	2	213.53	14	-91.36	2	645.83	14	-331.17	2	-39.44	10
214	-733	-732	Min.	150.43					107.45	2			263.75	2		
214	-733	-732	Min.	379.00	0.00	2	-334.44	14	-266.18	14	-859.69	14	-640.40	14	-39.44	10
214	-739	-733	Max	0.00	0.00	2	94.29	14	276.37	6	249.16	14	504.34	6	173.73	10
214	-739	-733	Max	115.00	0.00	2	-71.98	14	-20.24	14	-207.66	14	-50.70	14	173.73	10
214	-739	-733	Min.	0.00	0.00	2	-498.93	6	-33.07	14	-854.45	6	-74.56	14	-182.69	2
214	-739	-733	Min.	115.00	0.00	2	-665.20	6	-393.00	6	-1311.27	6	-740.95	6	-182.69	2
504	-734	-735	Max	25.00	0.00	2	0.00	10	0.00	10	1757.44	2	788.54	10	86.38	14
504	-734	-735	Max	111.88									1037.10	10		
504	-734	-735	Max	420.50	0.00	2	0.00	10	0.00	10	-847.57	2	128.61	10	86.38	14
504	-734	-735	Min.	25.00	0.00	2	0.00	2	0.00	2	572.19	10	-1672.46	2	-80.72	6
504	-734	-735	Min.	112.40									-388.01	2		
504	-734	-735	Min.	420.50	0.00	2	0.00	2	0.00	2	-2032.81	10	-2101.64	2	-80.72	6
506	-736	-737	Max	25.00	0.00	2	0.00	2	0.00	2	1746.76	2	795.37	10	101.99	14
506	-736	-737	Max	111.12									1039.61	10		
506	-736	-737	Max	420.50	0.00	2	0.00	2	0.00	2	-858.24	2	105.54	2	101.99	14
506	-736	-737	Min.	25.00	0.00	2	0.00	2	0.00	2	567.20	10	-1651.67	2	-60.61	6
506	-736	-737	Min.	111.12									-381.06	10		
506	-736	-737	Min.	420.50	0.00	2	0.00	2	0.00	2	-2037.80	10	-2112.92	10	-60.61	6
510	-734	-736	Max	0.00	0.00	2	0.00	2	0.00	2	1034.84	6	757.94	14	92.40	6
510	-734	-736	Max	26.38									250.79	10		

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510	-734	-736	Max	294.00	0.00	2	0.00	2	0.00	2	358.64	6	854.78	6	92.40	6
510	-734	-736	Min.	0.00	0.00	2	0.00	2	0.00	2	-288.66	14	-1193.64	6	-90.67	14
510	-734	-736	Min.	26.38									-351.74	10		
510	-734	-736	Min.	294.00	0.00	2	0.00	2	0.00	2	-964.86	14	-1084.72	14	-90.67	14
511	-735	-737	Max	0.00	0.00	2	0.00	2	0.00	2	783.96	6	631.22	14	12.15	14
511	-735	-737	Max	263.82									138.95	12		
511	-735	-737	Max	294.00	0.00	2	0.00	2	0.00	2	416.46	6	798.72	6	12.15	14
511	-735	-737	Min.	0.00	0.00	2	0.00	2	0.00	2	-299.97	14	-965.89	6	-8.32	6
511	-735	-737	Min.	263.82									-125.68	12		
511	-735	-737	Min.	294.00	0.00	2	0.00	2	0.00	2	-667.47	14	-790.93	14	-8.32	6

Tipo di combinazione di carico: SLU

Asta	N1	N2		X <cm>	N <daN>	CC	Ty <daN>	CC	Mz <daNm>	CC	Tz <daN>	CC	My <daNm>	CC	Mx <daNm>	CC
1	1	201	Max	0.00	-13075.10	17	-319.14	17	878.64	17	-437.68	17	-931.45	17	-42.71	17
1	1	201	Max	425.45	-10828.20	17	-319.14	17	-479.14	17	-437.68	17	-2793.54	17	-42.71	17
1	1	201	Min.	0.00	-13075.10	17	-319.14	17	878.64	17	-437.68	17	-931.45	17	-42.71	17
1	1	201	Min.	425.45	-10828.20	17	-319.14	17	-479.14	17	-437.68	17	-2793.54	17	-42.71	17
2	2	202	Max	0.00	-22516.10	17	-131.47	17	498.43	17	162.60	17	-383.64	17	-22.33	17
2	2	202	Max	567.23	-20211.70	17	-131.47	17	-247.34	17	162.60	17	538.70	17	-22.33	17
2	2	202	Min.	0.00	-22516.10	17	-131.47	17	498.43	17	162.60	17	-383.64	17	-22.33	17
2	2	202	Min.	567.23	-20211.70	17	-131.47	17	-247.34	17	162.60	17	538.70	17	-22.33	17
3	3	203	Max	0.00	-17934.50	17	-98.70	17	516.00	17	-292.91	17	1334.26	17	-37.71	17
3	3	203	Max	482.51	-15386.30	17	-98.70	17	39.75	17	-292.91	17	-79.07	17	-37.71	17
3	3	203	Min.	0.00	-17934.50	17	-98.70	17	516.00	17	-292.91	17	1334.26	17	-37.71	17
3	3	203	Min.	482.51	-15386.30	17	-98.70	17	39.75	17	-292.91	17	-79.07	17	-37.71	17
4	4	104	Max	0.00	-9668.66	17	634.00	17	-803.77	17	-124.02	17	783.89	17	-32.59	17
4	4	104	Max	402.53	-7542.78	17	634.00	17	1748.28	17	-124.02	17	284.68	17	-32.59	17
4	4	104	Min.	0.00	-9668.66	17	634.00	17	-803.77	17	-124.02	17	783.89	17	-32.59	17
4	4	104	Min.	402.53	-7542.78	17	634.00	17	1748.28	17	-124.02	17	284.68	17	-32.59	17
5	5	105	Max	0.00	-17739.70	17	-31.23	17	71.80	17	41.58	17	-94.38	17	-5.04	17
5	5	105	Max	489.53	-16745.40	17	-31.23	17	-81.09	17	41.58	17	109.15	17	-5.04	17
5	5	105	Min.	0.00	-17739.70	17	-31.23	17	71.80	17	41.58	17	-94.38	17	-5.04	17
5	5	105	Min.	489.53	-16745.40	17	-31.23	17	-81.09	17	41.58	17	109.15	17	-5.04	17
5	105	223	Max	0.00	-8594.99	17	-250.20	17	230.69	17	1108.60	17	-666.11	17	-8.53	17
5	105	223	Max	107.69	-8376.25	17	-250.20	17	-38.74	17	1108.61	17	527.72	17	-8.53	17
5	105	223	Min.	0.00	-8594.99	17	-250.20	17	230.69	17	1108.60	17	-666.11	17	-8.53	17
5	105	223	Min.	107.69	-8376.25	17	-250.20	17	-38.74	17	1108.61	17	527.72	17	-8.53	17
6	6	106	Max	0.00	-12984.60	17	-100.82	17	341.98	17	604.19	17	-291.87	17	-22.66	17
6	6	106	Max	402.53	-11349.30	17	-100.82	17	-63.85	17	604.19	17	2140.22	17	-22.66	17
6	6	106	Min.	0.00	-12984.60	17	-100.82	17	341.98	17	604.19	17	-291.87	17	-22.66	17
6	6	106	Min.	402.53	-11349.30	17	-100.82	17	-63.85	17	604.19	17	2140.22	17	-22.66	17
7	7	-734	Max	0.00	-15583.80	17	-287.64	17	-19.33	17	-152.34	17	597.82	17	-46.91	17
7	7	-734	Max	393.00	-13508.30	17	-287.64	17	-1149.75	17	-152.34	17	-0.90	17	-46.91	17
7	7	-734	Min.	0.00	-15583.80	17	-287.64	17	-19.33	17	-152.34	17	597.82	17	-46.91	17
7	7	-734	Min.	393.00	-13508.30	17	-287.64	17	-1149.75	17	-152.34	17	-0.90	17	-46.91	17
7	-734	207	Max	0.00	-10946.20	17	-3182.12	17	-169.79	17	2608.32	17	270.44	17	15.28	17
7	-734	207	Max	12.45	-10880.40	17	-3182.11	17	-565.88	17	2608.31	17	595.11	17	15.28	17
7	-734	207	Min.	0.00	-10946.20	17	-3182.12	17	-169.79	17	2608.32	17	270.44	17	15.28	17
7	-734	207	Min.	12.45	-10880.40	17	-3182.11	17	-565.88	17	2608.31	17	595.11	17	15.28	17
8	8	-735	Max	0.00	-31417.40	17	192.11	17	-302.89	17	-277.54	17	649.99	17	-32.62	17
8	8	-735	Max	393.00	-29820.80	17	192.11	17	452.09	17	-277.54	17	-440.72	17	-32.62	17
8	8	-735	Min.	0.00	-31417.40	17	192.11	17	-302.89	17	-277.54	17	649.99	17	-32.62	17
8	8	-735	Min.	393.00	-29820.80	17	192.11	17	452.09	17	-277.54	17	-440.72	17	-32.62	17
8	-735	208	Max	0.00	-27019.50	17	1489.71	17	-1572.05	17	496.40	17	-261.88	17	1.03	17
8	-735	208	Max	170.38	-26327.30	17	1489.71	17	966.12	17	496.40	17	583.89	17	1.03	17
8	-735	208	Min.	0.00	-27019.50	17	1489.71	17	-1572.05	17	496.40	17	-261.88	17	1.03	17
8	-735	208	Min.	170.38	-26327.30	17	1489.71	17	966.12	17	496.40	17	583.89	17	1.03	17
9	9	209	Max	0.00	-14203.00	17	10.51	17	-51.16	17	715.29	17	-1064.50	17	-26.29	17
9	9	209	Max	481.00	-12249.00	17	10.51	17	-0.62	17	715.29	17	2376.04	17	-26.29	17
9	9	209	Min.	0.00	-14203.00	17	10.51	17	-51.16	17	715.29	17	-1064.50	17	-26.29	17
9	9	209	Min.	481.00	-12249.00	17	10.51	17	-0.62	17	715.29	17	2376.04	17	-26.29	17
10	10	110	Max	0.00	-19363.80	17	-28.78	17	58.29	17	-105.54	17	254.64	17	-5.04	17
10	10	110	Max	489.53	-18369.50	17	-28.78	17	-82.61	17	-105.54	17	-262.00	17	-5.04	17
10	10	110	Min.	0.00	-19363.80	17	-28.78	17	58.29	17	-105.54	17	254.64	17	-5.04	17
10	10	110	Min.	489.53	-18369.50	17	-28.78	17	-82.61	17	-105.54	17	-262.00	17	-5.04	17
10	110	210	Max	0.00	-8710.71	17	-201.23	17	215.05	17	-1553.08	17	909.15	17	-8.53	17
10	110	210	Max	107.69	-8491.97	17	-201.23	17	-1.65	17	-1553.09	17	-763.32	17	-8.53	17
10	110	210	Min.	0.00	-8710.71	17	-201.23	17	215.05	17	-1553.08	17	909.15	17	-8.53	17
10	110	210	Min.	107.69	-8491.97	17	-201.23	17	-1.65	17	-1553.09	17	-763.32	17	-8.53	17
11	11	111	Max	0.00	-11122.60	17	-98.79	17	355.00	17	-1044.52	17	2106.00	17	-22.66	17
11	11	111	Max	402.53	-9487.33	17	-98.79	17	-42.66	17	-1044.52	17	-2098.57	17	-22.66	17
11	11	111	Min.	0.00	-11122.60	17	-98.79	17	355.00	17	-1044.52	17	2106.00	17	-22.66	17
11	11	111	Min.	402.53	-9487.33	17	-98.79	17	-42.66	17	-1044.52	17	-2098.57	17	-22.66	17
12	12	-736	Max	0.00	-11979.60	17	-242.76	17	-91.48	17	-453.40	17	1348.36	17	-46.91	17
12	12	-736	Max	393.00	-9904.12	17	-242.76	17	-1045.51	17	-453.40	17	-433.52	17	-46.91	17
12	12	-736	Min.	0.00	-11979.60	17	-242.76	17	-91.48	17	-453.40	17	1348.36	17	-46.91	17
12	12	-736	Min.	393.00	-9904.12	17	-242.76	17	-1045.51	17	-453.40	17	-433.52	17	-46.91	17

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12	-736	212	Max	0.00	-7453.73	17	165.29	17	-75.25	17	-4224.88	17	-710.48	17	15.28	17
12	-736	212	Max	12.45	-7387.99	17	165.29	17	-54.68	17	-4224.87	17	-1236.37	17	15.28	17
12	-736	212	Min.	0.00	-7453.73	17	165.29	17	-75.25	17	-4224.88	17	-710.48	17	15.28	17
12	-736	212	Min.	12.45	-7387.99	17	165.29	17	-54.68	17	-4224.87	17	-1236.37	17	15.28	17
13	13	-737	Max	0.00	-26249.20	17	249.93	17	-437.05	17	-437.94	17	1354.45	17	-32.62	17
13	13	-737	Max	393.00	-24652.60	17	249.93	17	545.18	17	-437.94	17	-366.64	17	-32.62	17
13	13	-737	Min.	0.00	-26249.20	17	249.93	17	-437.05	17	-437.94	17	1354.45	17	-32.62	17
13	13	-737	Min.	393.00	-24652.60	17	249.93	17	545.18	17	-437.94	17	-366.64	17	-32.62	17
13	-737	213	Max	0.00	-22010.20	17	1438.76	17	-1499.23	17	-201.07	17	-406.27	17	1.03	17
13	-737	213	Max	170.38	-21318.00	17	1438.76	17	952.13	17	-201.07	17	-748.85	17	1.03	17
13	-737	213	Min.	0.00	-22010.20	17	1438.76	17	-1499.23	17	-201.07	17	-406.27	17	1.03	17
13	-737	213	Min.	170.38	-21318.00	17	1438.76	17	952.13	17	-201.07	17	-748.85	17	1.03	17
14	14	214	Max	0.00	-11527.90	17	37.96	17	-129.66	17	-993.41	17	2488.83	17	-26.29	17
14	14	214	Max	481.00	-9573.82	17	37.96	17	52.90	17	-993.41	17	-2289.49	17	-26.29	17
14	14	214	Min.	0.00	-11527.90	17	37.96	17	-129.66	17	-993.41	17	2488.83	17	-26.29	17
14	14	214	Min.	481.00	-9573.82	17	37.96	17	52.90	17	-993.41	17	-2289.49	17	-26.29	17
15	15	215	Max	0.00	-8282.10	17	293.19	17	-727.80	17	316.62	17	-2524.16	17	-42.71	17
15	15	215	Max	425.45	-6035.21	17	293.19	17	519.57	17	316.62	17	-1177.12	17	-42.71	17
15	15	215	Min.	0.00	-8282.10	17	293.19	17	-727.80	17	316.62	17	-2524.16	17	-42.71	17
15	15	215	Min.	425.45	-6035.21	17	293.19	17	519.57	17	316.62	17	-1177.12	17	-42.71	17
16	16	216	Max	0.00	-16062.00	17	176.74	17	-630.43	17	372.55	17	-992.09	17	-22.33	17
16	16	216	Max	567.23	-13757.60	17	176.74	17	372.07	17	372.55	17	1121.12	17	-22.33	17
16	16	216	Min.	0.00	-16062.00	17	176.74	17	-630.43	17	372.55	17	-992.09	17	-22.33	17
16	16	216	Min.	567.23	-13757.60	17	176.74	17	372.07	17	372.55	17	1121.12	17	-22.33	17
17	17	217	Max	0.00	-17219.40	17	552.57	17	-1515.62	17	403.02	17	-926.29	17	-37.71	17
17	17	217	Max	482.51	-14671.20	17	552.57	17	1150.53	17	403.02	17	1018.29	17	-37.71	17
17	17	217	Min.	0.00	-17219.40	17	552.57	17	-1515.62	17	403.02	17	-926.29	17	-37.71	17
17	17	217	Min.	482.51	-14671.20	17	552.57	17	1150.53	17	403.02	17	1018.29	17	-37.71	17
18	18	118	Max	0.00	-20045.60	17	359.18	17	-1258.80	17	58.50	17	-448.01	17	-26.85	17
18	18	118	Max	489.53	-17460.30	17	359.18	17	499.50	17	58.50	17	-161.64	17	-26.85	17
18	18	118	Min.	0.00	-20045.60	17	359.18	17	-1258.80	17	58.50	17	-448.01	17	-26.85	17
18	18	118	Min.	489.53	-17460.30	17	359.18	17	499.50	17	58.50	17	-161.64	17	-26.85	17
18	118	218	Max	0.00	-9342.51	17	-600.89	17	676.51	17	539.05	17	354.60	17	-45.39	17
18	118	218	Max	107.69	-8773.79	17	-600.89	17	29.42	17	539.06	17	935.09	17	-45.39	17
18	118	218	Min.	0.00	-9342.51	17	-600.89	17	676.51	17	539.05	17	354.60	17	-45.39	17
18	118	218	Min.	107.69	-8773.79	17	-600.89	17	29.42	17	539.06	17	935.09	17	-45.39	17
19	19	119	Max	0.00	-10741.40	17	416.13	17	-1286.56	17	-187.55	17	1211.49	17	-32.59	17
19	19	119	Max	402.53	-8615.48	17	416.13	17	388.52	17	-187.55	17	456.55	17	-32.59	17
19	19	119	Min.	0.00	-10741.40	17	416.13	17	-1286.56	17	-187.55	17	1211.49	17	-32.59	17
19	19	119	Min.	402.53	-8615.48	17	416.13	17	388.52	17	-187.55	17	456.55	17	-32.59	17
102	120	104	Max	24.44	-1287.57	17	-552.57	17	655.42	17	645.16	17	-309.12	17	-366.27	17
102	120	104	Max	193.63					-279.48	17			236.66	17		
102	120	104	Max	351.18	-1554.88	17	-552.57	17	-1150.01	17	-600.74	17	-236.55	17	-366.27	17
102	120	104	Min.	24.44	-1287.57	17	-552.57	17	655.42	17	645.16	17	-309.12	17	-366.27	17
102	120	104	Min.	193.63					-279.48	17			236.66	17		
102	120	104	Min.	351.18	-1554.88	17	-552.57	17	-1150.01	17	-600.74	17	-236.55	17	-366.27	17
102	104	21	Max	0.00	1719.18	17	-4536.65	17	2881.71	17	578.41	17	-426.86	17	372.07	17
102	104	21	Max	115.00	1625.09	17	-4536.65	17	-2335.44	17	139.89	17	-13.83	17	372.07	17
102	104	21	Min.	0.00	1719.18	17	-4536.65	17	2881.71	17	578.41	17	-426.86	17	372.07	17
102	104	21	Min.	115.00	1625.09	17	-4536.65	17	-2335.44	17	139.89	17	-13.83	17	372.07	17
103	105	106	Max	24.44	2935.65	17	102.49	17	-161.44	17	443.59	17	-255.79	17	70.02	17
103	105	106	Max	218.33					37.26	17			174.23	17		
103	105	106	Max	390.29	2756.07	17	102.49	17	213.50	17	-393.43	17	-164.03	17	70.02	17
103	105	106	Min.	24.44	2935.65	17	102.49	17	-161.44	17	443.59	17	-255.79	17	70.02	17
103	105	106	Min.	218.33					37.26	17			174.23	17		
103	105	106	Min.	390.29	2756.07	17	102.49	17	213.50	17	-393.43	17	-164.03	17	70.02	17
103	106	22	Max	0.00	3762.12	17	976.08	17	-618.56	17	461.26	17	-361.56	17	-154.19	17
103	106	22	Max	115.00	3705.66	17	976.08	17	503.93	17	198.14	17	17.60	17	-154.19	17
103	106	22	Min.	0.00	3762.12	17	976.08	17	-618.56	17	461.26	17	-361.56	17	-154.19	17
103	106	22	Min.	115.00	3705.66	17	976.08	17	503.93	17	198.14	17	17.60	17	-154.19	17
105	110	111	Max	24.44	3601.33	17	-32.73	17	68.16	17	436.67	17	-235.54	17	22.30	17
105	110	111	Max	215.30					5.69	17			181.16	17		
105	110	111	Max	390.29	3421.74	17	-32.73	17	-51.58	17	-400.36	17	-169.12	17	22.30	17
105	110	111	Min.	24.44	3601.33	17	-32.73	17	68.16	17	436.67	17	-235.54	17	22.30	17
105	110	111	Min.	215.30					5.69	17			181.16	17		
105	110	111	Min.	390.29	3421.74	17	-32.73	17	-51.58	17	-400.36	17	-169.12	17	22.30	17
105	111	23	Max	0.00	3411.62	17	-394.19	17	172.08	17	417.77	17	-320.56	17	-146.81	17
105	111	23	Max	115.00	3355.17	17	-394.19	17	-281.23	17	154.66	17	8.58	17	-146.81	17
105	111	23	Min.	0.00	3411.62	17	-394.19	17	172.08	17	417.77	17	-320.56	17	-146.81	17
105	111	23	Min.	115.00	3355.17	17	-394.19	17	-281.23	17	154.66	17	8.58	17	-146.81	17
107	118	119	Max	31.78	3110.74	17	85.83	17	-129.62	17	371.80	17	-162.50	17	27.38	17
107	118	119	Max	194.28					9.86	17			139.59	17		
107	118	119	Max	351.17	2953.95	17	85.83	17	144.52	17	-358.96	17	-142.01	17	27.38	17
107	118	119	Min.	31.78	3110.74	17	85.83	17	-129.62	17	371.80	17	-162.50	17	27.38	17
107	118	119	Min.	194.28					9.86	17			139.59	17		
107	118	119	Min.	351.17	2953.95	17	85.83	17	144.52	17	-358.96	17	-142.01	17	27.38	17
107	119	24	Max	0.00	2431.60	17	311.37	17	-255.47	17	277.85	17	-158.09	17	-205.60	17
107	119	24	Max	115.00	2375.15	17	311.37	17	102.61	17	14.74	17	10.15	17	-205.60	17
107	119	24	Min.	0.00	2431.60	17	311.37	17	-255.47	17	277.85	17	-158.09	17	-205.60	17

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107	119	24	Min.	115.00	2375.15	17	311.37	17	102.61	17	14.74	17	10.15	17	-205.60	17
108	25	26	Max	0.00	1463.50	17	-57.06	17	127.34	17	442.37	17	-194.23	17	24.25	17
108	25	26	Max	193.35					17.01	17			233.44	17		
108	25	26	Max	414.73	1259.91	17	-57.06	17	-109.32	17	-506.50	17	-327.19	17	24.25	17
108	25	26	Min.	0.00	1463.50	17	-57.06	17	127.34	17	442.37	17	-194.23	17	24.25	17
108	25	26	Min.	193.35					17.01	17			233.44	17		
108	25	26	Min.	414.73	1259.91	17	-57.06	17	-109.32	17	-506.50	17	-327.19	17	24.25	17
108	26	27	Max	0.00	252.80	17	-352.07	17	234.54	17	284.08	17	-197.90	17	86.36	17
108	26	27	Max	115.00	196.35	17	-352.07	17	-170.34	17	20.97	17	-22.49	17	86.36	17
108	26	27	Min.	0.00	252.80	17	-352.07	17	234.54	17	284.08	17	-197.90	17	86.36	17
108	26	27	Min.	115.00	196.35	17	-352.07	17	-170.34	17	20.97	17	-22.49	17	86.36	17
113	120	-714	Max	0.00	0.00	17	-46.82	17	93.54	17	166.93	17	113.87	17	-130.92	17
113	120	-714	Max	9.59					87.34	17			121.87	17		
113	120	-714	Max	58.33	0.00	17	-262.63	17	3.28	17	-848.41	17	-84.90	17	-130.92	17
113	120	-714	Min.	0.00	0.00	17	-46.82	17	93.54	17	166.93	17	113.87	17	-130.92	17
113	120	-714	Min.	9.59					87.34	17			121.87	17		
113	120	-714	Min.	58.33	0.00	17	-262.63	17	3.28	17	-848.41	17	-84.90	17	-130.92	17
113	-714	-715	Max	0.00	0.00	17	10.94	17	24.34	17	294.13	17	20.02	17	-5.94	17
113	-714	-715	Max	16.90					20.90	17			44.87	17		
113	-714	-715	Max	58.33	0.00	17	-204.88	17	-32.23	17	-721.21	17	-104.54	17	-5.94	17
113	-714	-715	Min.	0.00	0.00	17	10.94	17	24.34	17	294.13	17	20.02	17	-5.94	17
113	-714	-715	Min.	2.96					24.50	17			27.96	17		
113	-714	-715	Min.	58.33	0.00	17	-204.88	17	-32.23	17	-721.21	17	-104.54	17	-5.94	17
113	-715	121	Max	0.00	0.00	17	-217.00	17	-88.59	17	-207.85	17	-28.04	17	25.24	17
113	-715	121	Max	58.33	0.00	17	-432.81	17	-278.12	17	-1223.19	17	-445.43	17	25.24	17
113	-715	121	Min.	0.00	0.00	17	-217.00	17	-88.59	17	-207.85	17	-28.04	17	25.24	17
113	-715	121	Min.	58.33	0.00	17	-432.81	17	-278.12	17	-1223.19	17	-445.43	17	25.24	17
113	121	105	Max	0.00	0.00	17	385.48	17	180.90	17	2720.40	17	-787.91	17	80.56	17
113	121	105	Max	117.62					294.24	17			812.00	17		
113	121	105	Max	256.00	0.00	17	-873.02	17	-443.15	17	-3200.36	17	-1402.27	17	80.56	17
113	121	105	Min.	0.00	0.00	17	385.48	17	180.90	17	2720.40	17	-787.91	17	80.56	17
113	121	105	Min.	78.41					332.03	17			634.20	17		
113	121	105	Min.	256.00	0.00	17	-873.02	17	-443.15	17	-3200.36	17	-1402.27	17	80.56	17
113	105	110	Max	0.00	0.00	17	653.28	17	-494.99	17	3023.16	17	-1540.71	17	28.61	17
113	105	110	Max	130.71					-61.04	17			435.14	17		
113	105	110	Max	255.00	0.01	17	-600.30	17	-427.44	17	-2874.47	17	-1351.13	17	28.61	17
113	105	110	Min.	0.00	0.00	17	653.28	17	-494.99	17	3023.16	17	-1540.71	17	28.61	17
113	105	110	Min.	132.89					-60.92	17			434.60	17		
113	105	110	Min.	255.00	0.01	17	-600.30	17	-427.44	17	-2874.47	17	-1351.13	17	28.61	17
113	110	118	Max	0.00	0.00	17	1340.37	17	-1220.93	17	4667.19	17	-3269.78	17	-16.09	17
113	110	118	Max	201.80					482.95	17			1439.38	17		
113	110	118	Max	354.00	-0.01	17	-399.90	17	443.71	17	-3520.11	17	-1239.44	17	-16.09	17
113	110	118	Min.	0.00	0.00	17	1340.37	17	-1220.93	17	4667.19	17	-3269.78	17	-16.09	17
113	110	118	Min.	272.65					606.36	17			858.81	17		
113	110	118	Min.	354.00	-0.01	17	-399.90	17	443.71	17	-3520.11	17	-1239.44	17	-16.09	17
113	118	25	Max	0.00	0.00	17	1291.92	17	-1266.14	17	2573.56	17	-1751.75	17	194.23	17
113	118	25	Max	115.00	0.00	17	866.45	17	-25.08	17	571.89	17	56.88	17	194.23	17
113	118	25	Min.	0.00	0.00	17	1291.92	17	-1266.14	17	2573.56	17	-1751.75	17	194.23	17
113	118	25	Min.	115.00	0.00	17	866.45	17	-25.08	17	571.89	17	56.88	17	194.23	17
115	-1424	104	Max	0.00	0.00	17	1566.17	17	-1632.23	17	-636.04	17	1715.16	17	12.91	17
115	-1424	104	Max	150.00	0.00	17	2361.44	17	1313.48	17	-4377.51	17	-2045.00	17	12.91	17
115	-1424	104	Min.	0.00	0.00	17	1566.17	17	-1632.23	17	-636.04	17	1715.16	17	12.91	17
115	-1424	104	Min.	150.00	0.00	17	2361.44	17	1313.48	17	-4377.51	17	-2045.00	17	12.91	17
115	106	-1424	Max	50.00	-0.00	17	-2150.07	17	1379.25	17	4596.23	17	-2362.10	17	12.91	17
115	106	-1424	Max	234.27					-1682.53	17			1872.61	17		
115	106	-1424	Max	281.00	-0.00	17	-925.34	17	-2172.84	17	-1165.63	17	1600.25	17	12.91	17
115	106	-1424	Min.	50.00	-0.00	17	-2150.07	17	1379.25	17	4596.23	17	-2362.10	17	12.91	17
115	106	-1424	Min.	234.27					-1682.53	17			1872.61	17		
115	106	-1424	Min.	281.00	-0.00	17	-925.34	17	-2172.84	17	-1165.63	17	1600.25	17	12.91	17
115	111	106	Max	50.00	0.00	17	58.46	17	-168.71	17	1988.47	17	-452.06	17	5.90	17
115	111	106	Max	129.72					46.37	17			340.54	17		
115	111	106	Max	280.00	0.00	17	1277.88	17	1368.09	17	-3748.46	17	-2476.06	17	5.90	17
115	111	106	Min.	50.00	0.00	17	58.46	17	-168.71	17	1988.47	17	-452.06	17	5.90	17
115	111	106	Min.	129.72					46.37	17			340.54	17		
115	111	106	Min.	280.00	0.00	17	1277.88	17	1368.09	17	-3748.46	17	-2476.06	17	5.90	17
115	119	111	Max	25.00	0.00	17	-351.03	17	-612.67	17	3706.00	17	-1185.40	17	24.98	17
115	119	111	Max	173.58					-549.03	17			1567.75	17		
115	119	111	Max	379.00	-0.00	17	1525.81	17	1466.69	17	-5123.86	17	-3695.02	17	24.98	17
115	119	111	Min.	25.00	0.00	17	-351.03	17	-612.67	17	3706.00	17	-1185.40	17	24.98	17
115	119	111	Min.	173.58					-549.03	17			1567.75	17		
115	119	111	Min.	379.00	-0.00	17	1525.81	17	1466.69	17	-5123.86	17	-3695.02	17	24.98	17
115	26	119	Max	0.00	0.00	17	936.73	17	-62.34	17	-375.16	17	122.58	17	-129.30	17
115	26	119	Max	115.00	-0.00	17	1546.44	17	1365.47	17	-3243.62	17	-1958.22	17	-129.30	17
115	26	119	Min.	0.00	0.00	17	936.73	17	-62.34	17	-375.16	17	122.58	17	-129.30	17
115	26	119	Min.	115.00	-0.00	17	1546.44	17	1365.47	17	-3243.62	17	-1958.22	17	-129.30	17
116	22	21	Max	0.00	0.00	17	-128.56	17	76.29	17	575.19	17	-372.98	17	13.83	17
116	22	21	Max	251.30					-93.17	17			349.74	17		
116	22	21	Max	456.00	-0.00	17	93.29	17	-4.14	17	-468.53	17	-129.81	17	13.83	17
116	22	21	Min.	0.00	0.00	17	-128.56	17	76.29	17	575.19	17	-372.98	17	13.83	17

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116	22	21	Min.	251.30					-93.17	17			349.74	17		
116	22	21	Min.	456.00	-0.00	17	93.29	17	-4.14	17	-468.53	17	-129.81	17	13.83	17
116	23	22	Max	0.00	0.00	17	-51.11	17	70.48	17	268.70	17	-265.28	17	-3.77	17
116	23	22	Max	117.39					44.00	17			-107.56	17		
116	23	22	Max	280.00	-0.00	17	85.11	17	118.09	17	-372.19	17	-410.16	17	-3.77	17
116	23	22	Min.	0.00	0.00	17	-51.11	17	70.48	17	268.70	17	-265.28	17	-3.77	17
116	23	22	Min.	117.39					44.00	17			-107.56	17		
116	23	22	Min.	280.00	-0.00	17	85.11	17	118.09	17	-372.19	17	-410.16	17	-3.77	17
116	24	23	Max	0.00	0.00	17	-48.61	17	-45.05	17	301.74	17	38.49	17	-12.35	17
116	24	23	Max	131.83					-66.86	17			237.38	17		
116	24	23	Max	379.00	-0.00	17	135.78	17	120.12	17	-565.74	17	-461.78	17	-12.35	17
116	24	23	Min.	0.00	0.00	17	-48.61	17	-45.05	17	301.74	17	38.49	17	-12.35	17
116	24	23	Min.	131.83					-66.86	17			237.38	17		
116	24	23	Min.	379.00	-0.00	17	135.78	17	120.12	17	-565.74	17	-461.78	17	-12.35	17
116	27	24	Max	0.00	0.00	17	-6.06	17	13.31	17	61.79	17	-46.96	17	-22.49	17
116	27	24	Max	26.99					13.45	17			-38.62	17		
116	27	24	Max	115.00	-0.00	17	49.89	17	38.52	17	-201.43	17	-127.26	17	-22.49	17
116	27	24	Min.	0.00	0.00	17	-6.06	17	13.31	17	61.79	17	-46.96	17	-22.49	17
116	27	24	Min.	26.99					13.45	17			-38.62	17		
116	27	24	Min.	115.00	-0.00	17	49.89	17	38.52	17	-201.43	17	-127.26	17	-22.49	17
201	-741	229	Max	0.00	-1362.55	17	-1048.69	17	568.49	17	-203.33	17	-39.10	17	66.64	17
201	-741	229	Max	123.84	-1201.11	17	-1048.69	17	-730.25	17	-658.54	17	-572.78	17	66.64	17
201	-741	229	Min.	0.00	-1362.55	17	-1048.69	17	568.49	17	-203.33	17	-39.10	17	66.64	17
201	-741	229	Min.	123.84	-1201.11	17	-1048.69	17	-730.25	17	-658.54	17	-572.78	17	66.64	17
201	229	226	Max	0.00	-65.71	17	-217.96	17	440.66	17	736.67	17	-374.84	17	61.37	17
201	229	226	Max	200.42					3.83	17			363.37	17		
201	229	226	Max	472.69	550.49	17	-217.96	17	-589.62	17	-1000.78	17	-999.05	17	61.37	17
201	229	226	Min.	0.00	-65.71	17	-217.96	17	440.66	17	736.67	17	-374.84	17	61.37	17
201	229	226	Min.	200.42					3.83	17			363.37	17		
201	229	226	Min.	472.69	550.49	17	-217.96	17	-589.62	17	-1000.78	17	-999.05	17	61.37	17
201	36	226	Max	0.00	-1826.09	17	284.01	17	-483.61	17	785.72	17	-481.35	17	-69.23	17
201	36	226	Max	210.74					114.93	17			346.56	17		
201	36	226	Max	391.75	-1377.81	17	284.01	17	629.03	17	-674.87	17	-264.24	17	-69.23	17
201	36	226	Min.	0.00	-1826.09	17	284.01	17	-483.61	17	785.72	17	-481.35	17	-69.23	17
201	36	226	Min.	210.74					114.93	17			346.56	17		
201	36	226	Min.	391.75	-1377.81	17	284.01	17	629.03	17	-674.87	17	-264.24	17	-69.23	17
201	224	36	Max	0.00	5278.75	17	-5314.90	17	1474.31	17	-342.75	17	-315.01	17	323.16	17
201	224	36	Max	40.00	5224.37	17	-5314.90	17	-651.65	17	-488.96	17	-481.35	17	323.16	17
201	224	36	Min.	0.00	5278.75	17	-5314.90	17	1474.31	17	-342.75	17	-315.01	17	323.16	17
201	224	36	Min.	40.00	5224.37	17	-5314.90	17	-651.65	17	-488.96	17	-481.35	17	323.16	17
201	225	224	Max	0.00	788.77	17	-319.05	17	625.75	17	680.84	17	-361.12	17	-4.49	17
201	225	224	Max	186.26					31.48	17			272.94	17		
201	225	224	Max	395.83	250.58	17	-319.05	17	-637.18	17	-766.06	17	-529.80	17	-4.49	17
201	225	224	Min.	0.00	788.77	17	-319.05	17	625.75	17	680.84	17	-361.12	17	-4.49	17
201	225	224	Min.	186.26					31.48	17			272.94	17		
201	225	224	Min.	395.83	250.58	17	-319.05	17	-637.18	17	-766.06	17	-529.80	17	-4.49	17
201	-738	225	Max	0.00	1886.86	17	-1956.60	17	1268.65	17	73.23	17	-49.93	17	-42.76	17
201	-738	225	Max	20.20					873.48	17			-42.54	17		
201	-738	225	Max	135.60	1692.06	17	-1956.60	17	-1384.54	17	-418.43	17	-283.98	17	-42.76	17
201	-738	225	Min.	0.00	1886.86	17	-1956.60	17	1268.65	17	73.23	17	-49.93	17	-42.76	17
201	-738	225	Min.	20.20					873.48	17			-42.54	17		
201	-738	225	Min.	135.60	1692.06	17	-1956.60	17	-1384.54	17	-418.43	17	-283.98	17	-42.76	17
202	-698	201	Max	0.00	3983.77	17	366.86	17	-263.02	17	225.42	17	15.94	17	21.99	17
202	-698	201	Max	8.00					-233.69	17			24.95	17		
202	-698	201	Max	123.84	5222.09	17	366.86	17	191.32	17	-3266.18	17	-1866.96	17	21.99	17
202	-698	201	Min.	0.00	3983.77	17	366.86	17	-263.02	17	225.42	17	15.94	17	21.99	17
202	-698	201	Min.	8.00					-233.69	17			24.95	17		
202	-698	201	Min.	123.84	5222.09	17	366.86	17	191.32	17	-3266.18	17	-1866.96	17	21.99	17
202	201	202	Max	61.26	6564.18	17	14.66	17	-48.33	17	4302.28	17	-1616.84	17	14.98	17
202	201	202	Max	213.86					-25.96	17			1665.72	17		
202	201	202	Max	393.78	9888.73	17	14.66	17	0.41	17	-5072.59	17	-2897.53	17	14.98	17
202	201	202	Min.	61.26	6564.18	17	14.66	17	-48.33	17	4302.28	17	-1616.84	17	14.98	17
202	201	202	Min.	213.86					-25.96	17			1665.72	17		
202	201	202	Min.	393.78	9888.73	17	14.66	17	0.41	17	-5072.59	17	-2897.53	17	14.98	17
202	202	219	Max	16.49	-21656.80	17	-1429.58	17	-274.88	17	3586.69	17	-3378.27	17	293.37	17
202	202	219	Max	48.28	-21338.70	17	-1429.58	17	-729.34	17	2690.53	17	-2380.53	17	293.37	17
202	202	219	Min.	16.49	-21656.80	17	-1429.58	17	-274.88	17	3586.69	17	-3378.27	17	293.37	17
202	202	219	Min.	48.28	-21338.70	17	-1429.58	17	-729.34	17	2690.53	17	-2380.53	17	293.37	17
202	219	31	Max	0.00	3443.31	17	-47.52	17	-29.36	17	5694.83	17	-3367.40	17	-86.81	17
202	219	31	Max	198.47					-123.67	17			2283.94	17		
202	219	31	Max	391.75	-6.70	17	-47.52	17	-215.53	17	-5545.83	17	-3075.54	17	-86.81	17
202	219	31	Min.	0.00	3443.31	17	-47.52	17	-29.36	17	5694.83	17	-3367.40	17	-86.81	17
202	219	31	Min.	198.47					-123.67	17			2283.94	17		
202	219	31	Min.	391.75	-6.70	17	-47.52	17	-215.53	17	-5545.83	17	-3075.54	17	-86.81	17
202	31	203	Max	0.00	31607.80	17	5121.22	17	-463.09	17	5452.15	17	-3075.57	17	-328.27	17
202	31	203	Max	40.00	31673.10	17	5121.22	17	1585.39	17	5276.69	17	-929.80	17	-328.27	17
202	31	203	Min.	0.00	31607.80	17	5121.22	17	-463.09	17	5452.15	17	-3075.57	17	-328.27	17
202	31	203	Min.	40.00	31673.10	17	5121.22	17	1585.39	17	5276.69	17	-929.80	17	-328.27	17
202	203	221	Max	12.00	2933.91	17	38.27	17	-357.82	17	891.98	17	-651.83	17	166.63	17

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202	203	221	Max	215.35					-280.00	17			255.09	17		
202	203	221	Max	395.83	3560.18	17	38.27	17	-210.94	17	-791.68	17	-459.35	17	166.63	17
202	203	221	Min.	12.00	2933.91	17	38.27	17	-357.82	17	891.98	17	-651.83	17	166.63	17
202	203	221	Min.	215.35					-280.00	17			255.09	17		
202	203	221	Min.	395.83	3560.18	17	38.27	17	-210.94	17	-791.68	17	-459.35	17	166.63	17
202	221	-730	Max	23.24	-8057.67	17	-1420.83	17	1371.63	17	722.62	17	-493.31	17	-333.04	17
202	221	-730	Max	135.60	-7863.97	17	-1420.83	17	-224.81	17	233.76	17	43.98	17	-333.04	17
202	221	-730	Min.	23.24	-8057.67	17	-1420.83	17	1371.63	17	722.62	17	-493.31	17	-333.04	17
202	221	-730	Min.	135.60	-7863.97	17	-1420.83	17	-224.81	17	233.76	17	43.98	17	-333.04	17
203	-742	-716	Max	0.00	-1158.44	17	-9777.60	17	1577.37	17	-563.29	17	0.00	17	586.73	17
203	-742	-716	Max	40.00	-1125.81	17	-9777.60	17	-2333.66	17	-651.02	17	-242.86	17	586.73	17
203	-742	-716	Min.	0.00	-1158.44	17	-9777.60	17	1577.37	17	-563.29	17	0.00	17	586.73	17
203	-742	-716	Min.	40.00	-1125.81	17	-9777.60	17	-2333.66	17	-651.02	17	-242.86	17	586.73	17
203	-716	223	Max	0.00	-4312.44	17	-178.78	17	436.00	17	456.00	17	-314.83	17	-127.49	17
203	-716	223	Max	207.92					64.29	17			159.22	17		
203	-716	223	Max	395.83	-3989.52	17	-178.78	17	-271.67	17	-412.14	17	-228.01	17	-127.49	17
203	-716	223	Min.	0.00	-4312.44	17	-178.78	17	436.00	17	456.00	17	-314.83	17	-127.49	17
203	-716	223	Min.	207.92					64.29	17			159.22	17		
203	-716	223	Min.	395.83	-3989.52	17	-178.78	17	-271.67	17	-412.14	17	-228.01	17	-127.49	17
203	223	-731	Max	23.24	-6675.15	17	-1052.62	17	481.63	17	346.86	17	-240.09	17	124.24	17
203	223	-731	Max	135.60	-6578.29	17	-1052.62	17	-701.10	17	102.42	17	12.31	17	124.24	17
203	223	-731	Min.	23.24	-6675.15	17	-1052.62	17	481.63	17	346.86	17	-240.09	17	124.24	17
203	223	-731	Min.	135.60	-6578.29	17	-1052.62	17	-701.10	17	102.42	17	12.31	17	124.24	17
204	-699	207	Max	0.00	1298.08	17	-283.00	17	336.12	17	-713.62	17	27.34	17	-132.56	17
204	-699	207	Max	123.84	2591.96	17	-283.00	17	-14.36	17	-4361.88	17	-3115.52	17	-132.56	17
204	-699	207	Min.	0.00	1298.08	17	-283.00	17	336.12	17	-713.62	17	27.34	17	-132.56	17
204	-699	207	Min.	123.84	2591.96	17	-283.00	17	-14.36	17	-4361.88	17	-3115.52	17	-132.56	17
204	207	-722	Max	23.56	7458.78	17	-4.77	17	-16.83	17	5810.20	17	-3140.79	17	22.11	17
204	207	-722	Max	220.79					-26.23	17			2589.03	17		
204	207	-722	Max	447.93	11892.50	17	-4.77	17	-37.06	17	-6691.17	17	-5010.09	17	22.11	17
204	207	-722	Min.	23.56	7458.78	17	-4.77	17	-16.83	17	5810.20	17	-3140.79	17	22.11	17
204	207	-722	Min.	220.79					-26.23	17			2589.03	17		
204	207	-722	Min.	447.93	11892.50	17	-4.77	17	-37.06	17	-6691.17	17	-5010.09	17	22.11	17
204	-722	208	Max	0.00	4064.41	17	-5405.41	17	81.68	17	-9467.53	17	-5010.09	17	64.21	17
204	-722	208	Max	1.19	4076.87	17	-5405.41	17	17.21	17	-9502.66	17	-5123.22	17	64.21	17
204	-722	208	Min.	0.00	4064.41	17	-5405.41	17	81.68	17	-9467.53	17	-5010.09	17	64.21	17
204	-722	208	Min.	1.19	4076.87	17	-5405.41	17	17.21	17	-9502.66	17	-5123.22	17	64.21	17
204	208	32	Max	0.00	18469.40	17	27.79	17	-67.71	17	7378.31	17	-5896.12	17	-12.64	17
204	208	32	Max	246.07					0.68	17			3181.82	17		
204	208	32	Max	391.75	14864.20	17	27.79	17	41.17	17	-4368.17	17	0.02	17	-12.64	17
204	208	32	Min.	0.00	18469.40	17	27.79	17	-67.71	17	7378.31	17	-5896.12	17	-12.64	17
204	208	32	Min.	246.07					0.68	17			3181.82	17		
204	208	32	Min.	391.75	14864.20	17	27.79	17	41.17	17	-4368.17	17	0.02	17	-12.64	17
205	-743	-717	Max	0.00	-1495.69	17	175.48	17	-28.31	17	-764.05	17	0.00	17	-10.53	17
205	-743	-717	Max	40.00	-1463.06	17	175.48	17	41.88	17	-851.78	17	-323.17	17	-10.53	17
205	-743	-717	Min.	0.00	-1495.69	17	175.48	17	-28.31	17	-764.05	17	0.00	17	-10.53	17
205	-743	-717	Min.	40.00	-1463.06	17	175.48	17	41.88	17	-851.78	17	-323.17	17	-10.53	17
205	-717	210	Max	0.00	-6721.27	17	25.32	17	-36.78	17	464.90	17	-333.32	17	-20.69	17
205	-717	210	Max	211.97					16.89	17			159.41	17		
205	-717	210	Max	395.83	-6398.35	17	25.32	17	63.45	17	-403.24	17	-211.29	17	-20.69	17
205	-717	210	Min.	0.00	-6721.27	17	25.32	17	-36.78	17	464.90	17	-333.32	17	-20.69	17
205	-717	210	Min.	211.97					16.89	17			159.41	17		
205	-717	210	Min.	395.83	-6398.35	17	25.32	17	63.45	17	-403.24	17	-211.29	17	-20.69	17
205	210	-732	Max	23.24	-6383.01	17	920.21	17	-410.48	17	287.18	17	-173.02	17	-124.00	17
205	210	-732	Max	135.60	-6286.16	17	920.21	17	623.48	17	42.74	17	12.34	17	-124.00	17
205	210	-732	Min.	23.24	-6383.01	17	920.21	17	-410.48	17	287.18	17	-173.02	17	-124.00	17
205	210	-732	Min.	135.60	-6286.16	17	920.21	17	623.48	17	42.74	17	12.34	17	-124.00	17
206	-700	212	Max	0.00	-365.40	17	1028.90	17	-773.97	17	-945.36	17	28.28	17	112.76	17
206	-700	212	Max	123.84	597.67	17	1028.90	17	500.26	17	-3660.87	17	-2823.99	17	112.76	17
206	-700	212	Min.	0.00	-365.40	17	1028.90	17	-773.97	17	-945.36	17	28.28	17	112.76	17
206	-700	212	Min.	123.84	597.67	17	1028.90	17	500.26	17	-3660.87	17	-2823.99	17	112.76	17
206	212	-723	Max	23.56	8836.91	17	89.27	17	-171.47	17	4218.00	17	-2058.14	17	-13.05	17
206	212	-723	Max	215.93					0.25	17			1998.89	17		
206	212	-723	Max	447.93	12137.00	17	89.27	17	207.35	17	-5087.11	17	-3902.27	17	-13.05	17
206	212	-723	Min.	23.56	8836.91	17	89.27	17	-171.47	17	4218.00	17	-2058.14	17	-13.05	17
206	212	-723	Min.	215.93					0.25	17			1998.89	17		
206	212	-723	Min.	447.93	12137.00	17	89.27	17	207.35	17	-5087.11	17	-3902.27	17	-13.05	17
206	-723	213	Max	0.00	3594.68	17	13759.10	17	-210.59	17	-8116.79	17	-3902.27	17	-161.25	17
206	-723	213	Max	1.19	3603.96	17	13759.10	17	-46.47	17	-8142.95	17	-3999.24	17	-161.25	17
206	-723	213	Min.	0.00	3594.68	17	13759.10	17	-210.59	17	-8116.79	17	-3902.27	17	-161.25	17
206	-723	213	Min.	1.19	3603.96	17	13759.10	17	-46.47	17	-8142.95	17	-3999.24	17	-161.25	17
206	213	33	Max	0.00	14128.10	17	-70.73	17	172.33	17	5491.55	17	-4390.25	17	32.16	17
206	213	33	Max	246.10					-1.75	17			2367.04	17		
206	213	33	Max	391.75	11445.00	17	-70.73	17	-104.78	17	-3250.20	17	0.01	17	32.16	17
206	213	33	Min.	0.00	14128.10	17	-70.73	17	172.33	17	5491.55	17	-4390.25	17	32.16	17
206	213	33	Min.	246.10					-1.75	17			2367.04	17		
206	213	33	Min.	391.75	11445.00	17	-70.73	17	-104.78	17	-3250.20	17	0.01	17	32.16	17
207	-701	215	Max	0.00	1539.00	17	2538.20	17	-1465.68	17	-289.33	17	14.98	17	-65.05	17
207	-701	215	Max	123.84	2446.51	17	2538.20	17	1677.73	17	-2848.18	17	-1927.83	17	-65.05	17

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207	-701	215	Min.	0.00	1539.00	17	2538.20	17	-1465.68	17	-289.33	17	14.98	17	-65.05	17
207	-701	215	Min.	123.84	2446.51	17	2538.20	17	1677.73	17	-2848.18	17	-1927.83	17	-65.05	17
207	215	216	Max	61.26	7103.64	17	475.93	17	-871.14	17	2963.47	17	-804.49	17	57.95	17
207	215	216	Max	204.69					-188.53	17			1320.71	17		
207	215	216	Max	393.78	9540.06	17	475.93	17	711.40	17	-3906.95	17	-2373.09	17	57.95	17
207	215	216	Min.	61.26	7103.64	17	475.93	17	-871.14	17	2963.47	17	-804.49	17	57.95	17
207	215	216	Min.	204.69					-188.53	17			1320.71	17		
207	215	216	Min.	393.78	9540.06	17	475.93	17	711.40	17	-3906.95	17	-2373.09	17	57.95	17
207	216	220	Max	16.49	-11837.90	17	6907.83	17	500.38	17	1912.21	17	-2117.93	17	-910.04	17
207	216	220	Max	48.28	-11604.80	17	6907.83	17	2696.35	17	1255.45	17	-1614.44	17	-910.04	17
207	216	220	Min.	16.49	-11837.90	17	6907.83	17	500.38	17	1912.21	17	-2117.93	17	-910.04	17
207	216	220	Min.	48.28	-11604.80	17	6907.83	17	2696.35	17	1255.45	17	-1614.44	17	-910.04	17
207	220	34	Max	0.00	-2208.34	17	-436.92	17	902.49	17	4152.29	17	-2446.41	17	33.09	17
207	220	34	Max	197.51					39.54	17			1654.16	17		
207	220	34	Max	391.75	-4736.13	17	-436.92	17	-809.16	17	-4083.64	17	-2311.94	17	33.09	17
207	220	34	Min.	0.00	-2208.34	17	-436.92	17	902.49	17	4152.29	17	-2446.41	17	33.09	17
207	220	34	Min.	197.51					39.54	17			1654.16	17		
207	220	34	Min.	391.75	-4736.13	17	-436.92	17	-809.16	17	-4083.64	17	-2311.94	17	33.09	17
207	34	217	Max	0.00	20653.20	17	8343.54	17	-790.65	17	1748.25	17	-2311.96	17	-513.65	17
207	34	217	Max	40.00	20718.40	17	8343.54	17	2546.76	17	1572.80	17	-1647.75	17	-513.65	17
207	34	217	Min.	0.00	20653.20	17	8343.54	17	-790.65	17	1748.25	17	-2311.96	17	-513.65	17
207	34	217	Min.	40.00	20718.40	17	8343.54	17	2546.76	17	1572.80	17	-1647.75	17	-513.65	17
207	217	218	Max	12.00	-7904.71	17	432.72	17	-1030.78	17	763.82	17	-438.40	17	151.06	17
207	217	218	Max	186.13					-277.27	17			226.64	17		
207	217	218	Max	365.37	-7328.14	17	432.72	17	498.35	17	-786.22	17	-477.99	17	151.06	17
207	217	218	Min.	12.00	-7904.71	17	432.72	17	-1030.78	17	763.82	17	-438.40	17	151.06	17
207	217	218	Min.	186.13					-277.27	17			226.64	17		
207	217	218	Min.	365.37	-7328.14	17	432.72	17	498.35	17	-786.22	17	-477.99	17	151.06	17
207	218	-733	Max	30.21	-7623.57	17	350.57	17	-89.73	17	96.41	17	128.06	17	-46.36	17
207	218	-733	Max	52.37					-12.05	17			138.74	17		
207	218	-733	Max	135.60	-7441.89	17	350.57	17	279.73	17	-362.12	17	-11.96	17	-46.36	17
207	218	-733	Min.	30.21	-7623.57	17	350.57	17	-89.73	17	96.41	17	128.06	17	-46.36	17
207	218	-733	Min.	52.37					-12.05	17			138.74	17		
207	218	-733	Min.	135.60	-7441.89	17	350.57	17	279.73	17	-362.12	17	-11.96	17	-46.36	17
208	228	-740	Max	0.00	-1684.38	17	1633.25	17	-1075.06	17	716.76	17	-653.23	17	-52.50	17
208	228	-740	Max	123.84	-1845.82	17	1633.25	17	947.62	17	261.55	17	-47.45	17	-52.50	17
208	228	-740	Min.	0.00	-1684.38	17	1633.25	17	-1075.06	17	716.76	17	-653.23	17	-52.50	17
208	228	-740	Min.	123.84	-1845.82	17	1633.25	17	947.62	17	261.55	17	-47.45	17	-52.50	17
208	227	228	Max	0.00	769.38	17	286.70	17	-767.13	17	978.47	17	-909.53	17	-73.76	17
208	227	228	Max	266.20					-3.91	17			392.84	17		
208	227	228	Max	472.69	153.18	17	286.70	17	588.10	17	-758.98	17	-390.75	17	-73.76	17
208	227	228	Min.	0.00	769.38	17	286.70	17	-767.13	17	978.47	17	-909.53	17	-73.76	17
208	227	228	Min.	266.20					-3.91	17			392.84	17		
208	227	228	Min.	472.69	153.18	17	286.70	17	588.10	17	-758.98	17	-390.75	17	-73.76	17
208	35	227	Max	0.00	-2157.60	17	-380.55	17	663.45	17	745.51	17	-440.71	17	78.03	17
208	35	227	Max	199.96					-97.49	17			304.64	17		
208	35	227	Max	391.75	-1709.32	17	-380.55	17	-827.36	17	-715.08	17	-381.10	17	78.03	17
208	35	227	Min.	0.00	-2157.60	17	-380.55	17	663.45	17	745.51	17	-440.71	17	78.03	17
208	35	227	Min.	199.96					-97.49	17			304.64	17		
208	35	227	Min.	391.75	-1709.32	17	-380.55	17	-827.36	17	-715.08	17	-381.10	17	78.03	17
208	28	35	Max	0.00	3943.20	17	7832.33	17	-2180.45	17	216.80	17	-498.18	17	-482.38	17
208	28	35	Max	40.00	3888.82	17	7832.33	17	952.48	17	70.59	17	-440.71	17	-482.38	17
208	28	35	Min.	0.00	3943.20	17	7832.33	17	-2180.45	17	216.80	17	-498.18	17	-482.38	17
208	28	35	Min.	40.00	3888.82	17	7832.33	17	952.48	17	70.59	17	-440.71	17	-482.38	17
208	29	28	Max	0.00	1034.31	17	397.93	17	-728.69	17	718.30	17	-435.35	17	46.26	17
208	29	28	Max	196.51					53.27	17			270.40	17		
208	29	28	Max	395.83	496.11	17	397.93	17	846.46	17	-728.61	17	-455.76	17	46.26	17
208	29	28	Min.	0.00	1034.31	17	397.93	17	-728.69	17	718.30	17	-435.35	17	46.26	17
208	29	28	Min.	196.51					53.27	17			270.40	17		
208	29	28	Min.	395.83	496.11	17	397.93	17	846.46	17	-728.61	17	-455.76	17	46.26	17
208	-739	29	Max	0.00	1028.38	17	1794.24	17	-1105.42	17	83.94	17	-6.73	17	81.95	17
208	-739	29	Max	23.15					-690.03	17			2.99	17		
208	-739	29	Max	135.60	833.57	17	1794.24	17	1327.60	17	-407.72	17	-226.25	17	81.95	17
208	-739	29	Min.	0.00	1028.38	17	1794.24	17	-1105.42	17	83.94	17	-6.73	17	81.95	17
208	-739	29	Min.	23.15					-690.03	17			2.99	17		
208	-739	29	Min.	135.60	833.57	17	1794.24	17	1327.60	17	-407.72	17	-226.25	17	81.95	17
209	-698	-741	Max	0.00	0.00	17	236.60	17	-156.54	17	480.99	17	-295.16	17	-39.10	17
209	-698	-741	Max	115.00	0.00	17	144.56	17	62.63	17	228.12	17	112.58	17	-39.10	17
209	-698	-741	Min.	0.00	0.00	17	236.60	17	-156.54	17	480.99	17	-295.16	17	-39.10	17
209	-698	-741	Min.	115.00	0.00	17	144.56	17	62.63	17	228.12	17	112.58	17	-39.10	17
209	-699	-698	Max	0.00	0.00	17	230.01	17	-225.90	17	614.70	17	-583.47	17	-23.16	17
209	-699	-698	Max	279.55					104.36	17			275.74	17		
209	-699	-698	Max	531.00	0.00	17	-194.97	17	-132.87	17	-552.90	17	-419.39	17	-23.16	17
209	-699	-698	Min.	0.00	0.00	17	230.01	17	-225.90	17	614.70	17	-583.47	17	-23.16	17
209	-699	-698	Min.	287.39					104.61	17			275.06	17		
209	-699	-698	Min.	531.00	0.00	17	-194.97	17	-132.87	17	-552.90	17	-419.39	17	-23.16	17
209	-700	-699	Max	0.00	0.00	17	64.83	17	-11.89	17	229.45	17	-76.60	17	4.18	17
209	-700	-699	Max	104.35					12.18	17			43.12	17		
209	-700	-699	Max	294.00	0.00	17	-170.47	17	-167.18	17	-417.02	17	-352.32	17	4.18	17

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209	-700	-699	Min.	0.00	0.00	17	64.83	17	-11.89	17	229.45	17	-76.60	17	4.18	17
209	-700	-699	Min.	81.00					14.37	17			37.13	17		
209	-700	-699	Min.	294.00	0.00	17	-170.47	17	-167.18	17	-417.02	17	-352.32	17	4.18	17
209	-701	-700	Max	0.00	0.00	17	20.68	17	82.70	17	149.48	17	92.38	17	32.46	17
209	-701	-700	Max	67.98					78.27	17			143.18	17		
209	-701	-700	Max	290.00	0.00	17	-211.41	17	-193.85	17	-488.20	17	-398.77	17	32.46	17
209	-701	-700	Min.	0.00	0.00	17	20.68	17	82.70	17	149.48	17	92.38	17	32.46	17
209	-701	-700	Min.	25.84					85.38	17			123.66	17		
209	-701	-700	Min.	290.00	0.00	17	-211.41	17	-193.85	17	-488.20	17	-398.77	17	32.46	17
209	-740	-701	Max	0.00	0.00	17	-195.60	17	131.45	17	-323.07	17	236.58	17	47.45	17
209	-740	-701	Max	115.00	0.00	17	-287.64	17	-146.41	17	-575.94	17	-280.35	17	47.45	17
209	-740	-701	Min.	0.00	0.00	17	-195.60	17	131.45	17	-323.07	17	236.58	17	47.45	17
209	-740	-701	Min.	115.00	0.00	17	-287.64	17	-146.41	17	-575.94	17	-280.35	17	47.45	17
210	201	229	Max	0.00	0.00	17	1092.40	17	-841.55	17	1075.16	17	-691.15	17	197.94	17
210	201	229	Max	115.00	0.00	17	939.01	17	326.51	17	653.71	17	302.96	17	197.94	17
210	201	229	Min.	0.00	0.00	17	1092.40	17	-841.55	17	1075.16	17	-691.15	17	197.94	17
210	201	229	Min.	115.00	0.00	17	939.01	17	326.51	17	653.71	17	302.96	17	197.94	17
210	-1425	201	Max	0.00	0.00	17	-301.81	17	394.58	17	-23.47	17	232.84	17	175.60	17
210	-1425	201	Max	150.00	0.00	17	-501.89	17	-208.19	17	-573.19	17	-214.66	17	175.60	17
210	-1425	201	Min.	0.00	0.00	17	-301.81	17	394.58	17	-23.47	17	232.84	17	175.60	17
210	-1425	201	Min.	150.00	0.00	17	-501.89	17	-208.19	17	-573.19	17	-214.66	17	175.60	17
210	207	-1425	Max	65.00	0.00	17	667.88	17	-808.47	17	831.33	17	-698.59	17	175.60	17
210	207	-1425	Max	291.84					363.37	17			244.31	17		
210	207	-1425	Max	356.00	0.00	17	279.72	17	570.28	17	-235.12	17	168.89	17	175.60	17
210	207	-1425	Min.	65.00	0.00	17	667.88	17	-808.47	17	831.33	17	-698.59	17	175.60	17
210	207	-1425	Min.	291.84					363.37	17			244.31	17		
210	207	-1425	Min.	356.00	0.00	17	279.72	17	570.28	17	-235.12	17	168.89	17	175.60	17
210	212	207	Max	0.00	0.00	17	-38.90	17	230.04	17	381.39	17	-44.91	17	-16.89	17
210	212	207	Max	104.07					117.33	17			153.54	17		
210	212	207	Max	294.00	0.00	17	-431.06	17	-460.81	17	-696.07	17	-507.49	17	-16.89	17
210	212	207	Min.	0.00	0.00	17	-38.90	17	230.04	17	381.39	17	-44.91	17	-16.89	17
210	212	207	Min.	104.07					117.33	17			153.54	17		
210	212	207	Min.	294.00	0.00	17	-431.06	17	-460.81	17	-696.07	17	-507.49	17	-16.89	17
210	215	212	Max	25.00	0.00	17	-939.01	17	963.08	17	-371.74	17	586.45	17	-288.34	17
210	215	212	Max	225.00	0.00	17	-1205.79	17	-1181.72	17	-1104.70	17	-890.00	17	-288.34	17
210	215	212	Min.	25.00	0.00	17	-939.01	17	963.08	17	-371.74	17	586.45	17	-288.34	17
210	215	212	Min.	225.00	0.00	17	-1205.79	17	-1181.72	17	-1104.70	17	-890.00	17	-288.34	17
210	228	215	Max	0.00	0.00	17	-799.91	17	492.94	17	-535.33	17	390.87	17	-262.48	17
210	228	215	Max	115.00	0.00	17	-953.30	17	-515.16	17	-956.78	17	-467.10	17	-262.48	17
210	228	215	Min.	0.00	0.00	17	-799.91	17	492.94	17	-535.33	17	390.87	17	-262.48	17
210	228	215	Min.	115.00	0.00	17	-953.30	17	-515.16	17	-956.78	17	-467.10	17	-262.48	17
211	219	226	Max	0.00	0.00	17	0.00	17	0.00	17	1996.02	17	-1428.71	17	734.81	17
211	219	226	Max	115.00	0.00	17	0.00	17	0.00	17	1368.12	17	505.67	17	734.81	17
211	219	226	Min.	0.00	0.00	17	0.00	17	0.00	17	1996.02	17	-1428.71	17	734.81	17
211	219	226	Min.	115.00	0.00	17	0.00	17	0.00	17	1368.12	17	505.67	17	734.81	17
211	208	219	Max	50.00	0.00	17	0.00	17	0.00	17	1403.48	17	-1251.27	17	-252.06	17
211	208	219	Max	307.05									552.54	17		
211	208	219	Max	531.00	0.00	17	0.00	17	0.00	17	-1222.78	17	-816.67	17	-252.06	17
211	208	219	Min.	50.00	0.00	17	0.00	17	0.00	17	1403.48	17	-1251.27	17	-252.06	17
211	208	219	Min.	307.05									552.54	17		
211	208	219	Min.	531.00	0.00	17	0.00	17	0.00	17	-1222.78	17	-816.67	17	-252.06	17
211	213	208	Max	0.00	0.00	17	0.00	17	0.00	17	574.20	17	-141.10	17	-7.32	17
211	213	208	Max	105.16									160.82	17		
211	213	208	Max	294.00	0.00	17	0.00	17	0.00	17	-1031.05	17	-812.67	17	-7.32	17
211	213	208	Min.	0.00	0.00	17	0.00	17	0.00	17	574.20	17	-141.10	17	-7.32	17
211	213	208	Min.	105.16									160.82	17		
211	213	208	Min.	294.00	0.00	17	0.00	17	0.00	17	-1031.05	17	-812.67	17	-7.32	17
211	220	213	Max	0.00	0.00	17	0.00	17	0.00	17	-246.00	17	772.57	17	303.54	17
211	220	213	Max	240.00	0.00	17	0.00	17	0.00	17	-1556.40	17	-1390.32	17	303.54	17
211	220	213	Min.	0.00	0.00	17	0.00	17	0.00	17	-246.00	17	772.57	17	303.54	17
211	220	213	Min.	240.00	0.00	17	0.00	17	0.00	17	-1556.40	17	-1390.32	17	303.54	17
211	227	220	Max	0.00	0.00	17	0.00	17	0.00	17	-1361.44	17	643.29	17	-528.42	17
211	227	220	Max	115.00	0.00	17	0.00	17	0.00	17	-1989.34	17	-1283.40	17	-528.42	17
211	227	220	Min.	0.00	0.00	17	0.00	17	0.00	17	-1361.44	17	643.29	17	-528.42	17
211	227	220	Min.	115.00	0.00	17	0.00	17	0.00	17	-1989.34	17	-1283.40	17	-528.42	17
212	203	224	Max	0.00	0.00	17	0.00	17	0.00	17	4437.04	17	-2744.17	17	-214.79	17
212	203	224	Max	115.00	0.00	17	0.00	17	0.00	17	2149.72	17	1043.22	17	-214.79	17
212	203	224	Min.	0.00	0.00	17	0.00	17	0.00	17	4437.04	17	-2744.17	17	-214.79	17
212	203	224	Min.	115.00	0.00	17	0.00	17	0.00	17	2149.72	17	1043.22	17	-214.79	17
212	-1426	203	Max	0.00	0.00	17	0.00	17	0.00	17	3087.32	17	-351.85	17	97.99	17
212	-1426	203	Max	155.22									2044.25	17		
212	-1426	203	Max	374.80	0.00	17	0.00	17	0.00	17	-4367.35	17	-2750.62	17	97.99	17
212	-1426	203	Min.	0.00	0.00	17	0.00	17	0.00	17	3087.32	17	-351.85	17	97.99	17
212	-1426	203	Min.	155.22									2044.25	17		
212	-1426	203	Min.	374.80	0.00	17	0.00	17	0.00	17	-4367.35	17	-2750.62	17	97.99	17
212	-716	-1426	Max	0.00	0.00	17	0.00	17	0.00	17	4205.13	17	-2401.03	17	97.99	17
212	-716	-1426	Max	56.20	0.00	17	0.00	17	0.00	17	3087.32	17	-351.85	17	97.99	17
212	-716	-1426	Min.	0.00	0.00	17	0.00	17	0.00	17	4205.13	17	-2401.03	17	97.99	17
212	-716	-1426	Min.	56.20	0.00	17	0.00	17	0.00	17	3087.32	17	-351.85	17	97.99	17

Relazione di calcolo

212	209	-716	Max	50.00	0.00	17	0.00	17	0.00	17	6850.90	17	-2416.62	17	26.02	17
212	209	-716	Max	75.00	0.00	17	0.00	17	0.00	17	6353.65	17	-766.05	17	26.02	17
212	209	-716	Min.	50.00	0.00	17	0.00	17	0.00	17	6850.90	17	-2416.62	17	26.02	17
212	209	-716	Min.	75.00	0.00	17	0.00	17	0.00	17	6353.65	17	-766.05	17	26.02	17
212	-717	209	Max	0.00	0.00	17	0.00	17	0.00	17	-228.69	17	1105.16	17	24.12	17
212	-717	209	Max	205.00	0.00	17	0.00	17	0.00	17	-4306.08	17	-3542.98	17	24.12	17
212	-717	209	Min.	0.00	0.00	17	0.00	17	0.00	17	-228.69	17	1105.16	17	24.12	17
212	-717	209	Min.	205.00	0.00	17	0.00	17	0.00	17	-4306.08	17	-3542.98	17	24.12	17
212	214	-717	Max	0.00	0.00	17	0.00	17	0.00	17	4608.73	17	-2226.78	17	13.96	17
212	214	-717	Max	89.00	0.00	17	0.00	17	0.00	17	2838.55	17	1087.26	17	13.96	17
212	214	-717	Min.	0.00	0.00	17	0.00	17	0.00	17	4608.73	17	-2226.78	17	13.96	17
212	214	-717	Min.	89.00	0.00	17	0.00	17	0.00	17	2838.55	17	1087.26	17	13.96	17
212	217	214	Max	25.00	0.00	17	0.00	17	0.00	17	403.19	17	1160.63	17	-48.05	17
212	217	214	Max	45.27									1201.50	17		
212	217	214	Max	240.00	0.00	17	0.00	17	0.00	17	-3873.10	17	-2569.51	17	-48.05	17
212	217	214	Min.	25.00	0.00	17	0.00	17	0.00	17	403.19	17	1160.63	17	-48.05	17
212	217	214	Min.	45.27									1201.50	17		
212	217	214	Min.	240.00	0.00	17	0.00	17	0.00	17	-3873.10	17	-2569.51	17	-48.05	17
212	28	217	Max	0.00	0.00	17	0.00	17	0.00	17	-2087.84	17	1550.74	17	-42.43	17
212	28	217	Max	115.00	0.00	17	0.00	17	0.00	17	-4375.16	17	-2165.49	17	-42.43	17
212	28	217	Min.	0.00	0.00	17	0.00	17	0.00	17	-2087.84	17	1550.74	17	-42.43	17
212	28	217	Min.	115.00	0.00	17	0.00	17	0.00	17	-4375.16	17	-2165.49	17	-42.43	17
213	221	225	Max	0.00	0.00	17	2099.08	17	-1151.94	17	2587.75	17	-1110.64	17	77.13	17
213	221	225	Max	115.00	0.00	17	1254.03	17	776.10	17	265.99	17	530.26	17	77.13	17
213	221	225	Min.	0.00	0.00	17	2099.08	17	-1151.94	17	2587.75	17	-1110.64	17	77.13	17
213	221	225	Min.	115.00	0.00	17	1254.03	17	776.10	17	265.99	17	530.26	17	77.13	17
213	-728	221	Max	0.00	0.00	17	308.44	17	-261.44	17	709.90	17	-227.49	17	-36.56	17
213	-728	221	Max	35.00					-198.50	17			-102.68	17		
213	-728	221	Max	58.33	0.00	17	-120.21	17	-206.54	17	-467.81	17	-156.88	17	-36.56	17
213	-728	221	Min.	0.00	0.00	17	308.44	17	-261.44	17	709.90	17	-227.49	17	-36.56	17
213	-728	221	Min.	41.98					-196.71	17			-107.36	17		
213	-728	221	Min.	58.33	0.00	17	-120.21	17	-206.54	17	-467.81	17	-156.88	17	-36.56	17
213	-729	-728	Max	0.00	0.00	17	22.95	17	-107.40	17	342.73	17	-75.60	17	22.43	17
213	-729	-728	Max	16.98					-114.10	17			-46.50	17		
213	-729	-728	Max	58.33	0.00	17	-405.70	17	-219.04	17	-834.98	17	-219.17	17	22.43	17
213	-729	-728	Min.	0.00	0.00	17	22.95	17	-107.40	17	342.73	17	-75.60	17	22.43	17
213	-729	-728	Min.	3.12					-107.05	17			-65.88	17		
213	-729	-728	Min.	58.33	0.00	17	-405.70	17	-219.04	17	-834.98	17	-219.17	17	22.43	17
213	222	-729	Max	0.00	0.00	17	592.50	17	-356.09	17	1075.21	17	-341.50	17	23.19	17
213	222	-729	Max	53.26					-144.75	17			-55.19	17		
213	222	-729	Max	58.33	0.00	17	163.84	17	-135.49	17	-102.49	17	-57.79	17	23.19	17
213	222	-729	Min.	0.00	0.00	17	592.50	17	-356.09	17	1075.21	17	-341.50	17	23.19	17
213	222	-729	Min.	53.26					-144.75	17			-55.19	17		
213	222	-729	Min.	58.33	0.00	17	163.84	17	-135.49	17	-102.49	17	-57.79	17	23.19	17
213	223	222	Max	25.00	0.00	17	1381.33	17	-798.99	17	2845.58	17	-1314.97	17	21.16	17
213	223	222	Max	165.94					418.03	17			690.38	17		
213	223	222	Max	281.00	0.00	17	-499.83	17	329.32	17	-2322.87	17	-645.90	17	21.16	17
213	223	222	Min.	25.00	0.00	17	1381.33	17	-798.99	17	2845.58	17	-1314.97	17	21.16	17
213	223	222	Min.	212.98					499.31	17			467.07	17		
213	223	222	Min.	281.00	0.00	17	-499.83	17	329.32	17	-2322.87	17	-645.90	17	21.16	17
213	210	223	Max	25.00	-0.00	17	894.81	17	-572.07	17	2507.54	17	-1136.99	17	17.16	17
213	210	223	Max	149.20					-27.48	17			420.21	17		
213	210	223	Max	280.00	-0.00	17	-979.00	17	-679.41	17	-2640.72	17	-1306.80	17	17.16	17
213	210	223	Min.	25.00	-0.00	17	894.81	17	-572.07	17	2507.54	17	-1136.99	17	17.16	17
213	210	223	Min.	146.77					-27.26	17			419.62	17		
213	210	223	Min.	280.00	-0.00	17	-979.00	17	-679.41	17	-2640.72	17	-1306.80	17	17.16	17
213	218	210	Max	25.00	-0.00	17	687.77	17	386.99	17	3132.03	17	-1260.69	17	29.37	17
213	218	210	Max	180.13					569.72	17			1168.72	17		
213	218	210	Max	379.00	-0.00	17	-1913.52	17	-1782.59	17	-4014.96	17	-2823.48	17	29.37	17
213	218	210	Min.	25.00	-0.00	17	687.77	17	386.99	17	3132.03	17	-1260.69	17	29.37	17
213	218	210	Min.	118.60					708.85	17			786.45	17		
213	218	210	Min.	379.00	-0.00	17	-1913.52	17	-1782.59	17	-4014.96	17	-2823.48	17	29.37	17
213	29	218	Max	0.00	0.00	17	-1628.00	17	742.10	17	-584.26	17	555.62	17	-209.09	17
213	29	218	Max	115.00	0.00	17	-2473.05	17	-1616.00	17	-2906.02	17	-1451.29	17	-209.09	17
213	29	218	Min.	0.00	0.00	17	-1628.00	17	742.10	17	-584.26	17	555.62	17	-209.09	17
213	29	218	Min.	115.00	0.00	17	-2473.05	17	-1616.00	17	-2906.02	17	-1451.29	17	-209.09	17
214	-730	-738	Max	0.00	0.00	17	686.80	17	-424.50	17	1396.69	17	-804.28	17	49.93	17
214	-730	-738	Max	115.00	0.00	17	418.58	17	211.09	17	659.75	17	378.17	17	49.93	17
214	-730	-738	Min.	0.00	0.00	17	686.80	17	-424.50	17	1396.69	17	-804.28	17	49.93	17
214	-730	-738	Min.	115.00	0.00	17	418.58	17	211.09	17	659.75	17	378.17	17	49.93	17
214	-731	-730	Max	0.00	0.00	17	525.88	17	-350.14	17	1450.66	17	-1015.34	17	5.94	17
214	-731	-730	Max	226.37					242.70	17			626.61	17		
214	-731	-730	Max	456.00	0.00	17	-537.70	17	-377.08	17	-1471.51	17	-1062.90	17	5.94	17
214	-731	-730	Min.	0.00	0.00	17	525.88	17	-350.14	17	1450.66	17	-1015.34	17	5.94	17
214	-731	-730	Min.	225.47					242.71	17			626.58	17		
214	-731	-730	Min.	456.00	0.00	17	-537.70	17	-377.08	17	-1471.51	17	-1062.90	17	5.94	17
214	-732	-731	Max	0.00	0.00	17	316.31	17	-251.24	17	878.98	17	-592.23	17	-6.37	17
214	-732	-731	Max	137.16					-36.79	17			10.58	17		
214	-732	-731	Max	280.00	0.00	17	-336.77	17	-279.89	17	-915.35	17	-643.15	17	-6.37	17

Relazione di calcolo

214	-732	-731	Min.	0.00	0.00	17	316.31	17	-251.24	17	878.98	17	-592.23	17	-6.37	17
214	-732	-731	Min.	135.61					-36.76	17			10.50	17		
214	-732	-731	Min.	280.00	0.00	17	-336.77	17	-279.89	17	-915.35	17	-643.15	17	-6.37	17
214	-733	-732	Max	0.00	0.00	17	377.72	17	-120.78	17	1100.68	17	-487.25	17	-18.70	17
214	-733	-732	Max	171.76					183.94	17			458.00	17		
214	-733	-732	Max	379.00	0.00	17	-506.27	17	-364.39	17	-1328.06	17	-918.14	17	-18.70	17
214	-733	-732	Min.	0.00	0.00	17	377.72	17	-120.78	17	1100.68	17	-487.25	17	-18.70	17
214	-733	-732	Min.	161.94					185.06	17			454.91	17		
214	-733	-732	Min.	379.00	0.00	17	-506.27	17	-364.39	17	-1328.06	17	-918.14	17	-18.70	17
214	-739	-733	Max	0.00	0.00	17	-272.05	17	166.72	17	-387.15	17	291.56	17	-6.73	17
214	-739	-733	Max	115.00	0.00	17	-540.28	17	-300.37	17	-1124.10	17	-577.41	17	-6.73	17
214	-739	-733	Min.	0.00	0.00	17	-272.05	17	166.72	17	-387.15	17	291.56	17	-6.73	17
214	-739	-733	Min.	115.00	0.00	17	-540.28	17	-300.37	17	-1124.10	17	-577.41	17	-6.73	17
504	-734	-735	Max	25.00	0.00	17	0.00	17	0.00	17	1692.06	17	-583.68	17	4.71	17
504	-734	-735	Max	199.01									888.49	17		
504	-734	-735	Max	420.50	0.00	17	0.00	17	0.00	17	-2153.74	17	-1496.67	17	4.71	17
504	-734	-735	Min.	25.00	0.00	17	0.00	17	0.00	17	1692.06	17	-583.68	17	4.71	17
504	-734	-735	Min.	199.01									888.49	17		
504	-734	-735	Min.	420.50	0.00	17	0.00	17	0.00	17	-2153.74	17	-1496.67	17	4.71	17
506	-736	-737	Max	25.00	0.00	17	0.00	17	0.00	17	1682.21	17	-568.27	17	29.53	17
506	-736	-737	Max	198.00									886.82	17		
506	-736	-737	Max	420.50	0.00	17	0.00	17	0.00	17	-2163.58	17	-1520.19	17	29.53	17
506	-736	-737	Min.	25.00	0.00	17	0.00	17	0.00	17	1682.21	17	-568.27	17	29.53	17
506	-736	-737	Min.	198.00									886.82	17		
506	-736	-737	Min.	420.50	0.00	17	0.00	17	0.00	17	-2163.58	17	-1520.19	17	29.53	17
510	-734	-736	Max	0.00	0.00	17	0.00	17	0.00	17	521.34	17	-306.52	17	0.40	17
510	-734	-736	Max	162.92									118.16	17		
510	-734	-736	Max	294.00	0.00	17	0.00	17	0.00	17	-419.46	17	-156.75	17	0.40	17
510	-734	-736	Min.	0.00	0.00	17	0.00	17	0.00	17	521.34	17	-306.52	17	0.40	17
510	-734	-736	Min.	162.92									118.16	17		
510	-734	-736	Min.	294.00	0.00	17	0.00	17	0.00	17	-419.46	17	-156.75	17	0.40	17
511	-735	-737	Max	0.00	0.00	17	0.00	17	0.00	17	323.25	17	-229.64	17	2.92	17
511	-735	-737	Max	198.92									91.87	17		
511	-735	-737	Max	294.00	0.00	17	0.00	17	0.00	17	-154.50	17	18.43	17	2.92	17
511	-735	-737	Min.	0.00	0.00	17	0.00	17	0.00	17	323.25	17	-229.64	17	2.92	17
511	-735	-737	Min.	198.92									91.87	17		
511	-735	-737	Min.	294.00	0.00	17	0.00	17	0.00	17	-154.50	17	18.43	17	2.92	17

Tipo di combinazione di carico: SLE R

Asta	N1	N2		X <cm>	N <daN>	CC	Ty <daN>	CC	Mz <daNm>	CC	Tz <daN>	CC	My <daNm>	CC	Mx <daNm>	CC
1	1	201	Max	0.00	-9744.23	18	-238.03	18	658.45	18	-317.46	18	-692.15	18	-31.15	18
1	1	201	Max	425.45	-8015.85	18	-238.03	18	-354.26	18	-317.46	18	-2042.78	18	-31.15	18
1	1	201	Min.	0.00	-9744.23	18	-238.03	18	658.45	18	-317.46	18	-692.15	18	-31.15	18
1	1	201	Min.	425.45	-8015.85	18	-238.03	18	-354.26	18	-317.46	18	-2042.78	18	-31.15	18
2	2	202	Max	0.00	-16632.90	18	-97.53	18	370.77	18	118.86	18	-281.07	18	-16.29	18
2	2	202	Max	567.23	-14860.30	18	-97.53	18	-182.44	18	118.86	18	393.13	18	-16.29	18
2	2	202	Min.	0.00	-16632.90	18	-97.53	18	370.77	18	118.86	18	-281.07	18	-16.29	18
2	2	202	Min.	567.23	-14860.30	18	-97.53	18	-182.44	18	118.86	18	393.13	18	-16.29	18
3	3	203	Max	0.00	-13460.80	18	-72.91	18	379.13	18	-208.78	18	948.25	18	-27.50	18
3	3	203	Max	482.51	-11500.60	18	-72.91	18	27.34	18	-208.78	18	-59.10	18	-27.50	18
3	3	203	Min.	0.00	-13460.80	18	-72.91	18	379.13	18	-208.78	18	948.25	18	-27.50	18
3	3	203	Min.	482.51	-11500.60	18	-72.91	18	27.34	18	-208.78	18	-59.10	18	-27.50	18
4	4	104	Max	0.00	-7204.12	18	459.64	18	-575.36	18	-89.19	18	578.04	18	-23.81	18
4	4	104	Max	402.53	-5568.83	18	459.64	18	1274.84	18	-89.19	18	219.01	18	-23.81	18
4	4	104	Min.	0.00	-7204.12	18	459.64	18	-575.36	18	-89.19	18	578.04	18	-23.81	18
4	4	104	Min.	402.53	-5568.83	18	459.64	18	1274.84	18	-89.19	18	219.01	18	-23.81	18
5	5	105	Max	0.00	-12978.60	18	-23.16	18	52.55	18	28.65	18	-64.55	18	-3.69	18
5	5	105	Max	489.53	-12213.70	18	-23.16	18	-60.81	18	28.65	18	75.68	18	-3.69	18
5	5	105	Min.	0.00	-12978.60	18	-23.16	18	52.55	18	28.65	18	-64.55	18	-3.69	18
5	5	105	Min.	489.53	-12213.70	18	-23.16	18	-60.81	18	28.65	18	75.68	18	-3.69	18
5	105	223	Max	0.00	-6376.20	18	-182.01	18	170.73	18	781.09	18	-468.95	18	-6.19	18
5	105	223	Max	107.69	-6207.94	18	-182.02	18	-25.28	18	781.10	18	372.19	18	-6.19	18
5	105	223	Min.	0.00	-6376.20	18	-182.01	18	170.73	18	781.09	18	-468.95	18	-6.19	18
5	105	223	Min.	107.69	-6207.94	18	-182.02	18	-25.28	18	781.10	18	372.19	18	-6.19	18
6	6	106	Max	0.00	-9673.74	18	-69.55	18	239.66	18	440.01	18	-205.18	18	-16.56	18
6	6	106	Max	402.53	-8415.83	18	-69.55	18	-40.30	18	440.01	18	1566.03	18	-16.56	18
6	6	106	Min.	0.00	-9673.74	18	-69.55	18	239.66	18	440.01	18	-205.18	18	-16.56	18
6	6	106	Min.	402.53	-8415.83	18	-69.55	18	-40.30	18	440.01	18	1566.03	18	-16.56	18
7	7	-734	Max	0.00	-11707.90	18	-216.80	18	-1.45	18	-125.48	18	487.93	18	-33.97	18
7	7	-734	Max	393.00	-10111.40	18	-216.80	18	-853.49	18	-125.48	18	-5.23	18	-33.97	18
7	7	-734	Min.	0.00	-11707.90	18	-216.80	18	-1.45	18	-125.48	18	487.93	18	-33.97	18
7	7	-734	Min.	393.00	-10111.40	18	-216.80	18	-853.49	18	-125.48	18	-5.23	18	-33.97	18
7	-734	207	Max	0.00	-8188.45	18	-2372.53	18	-96.75	18	1951.92	18	190.86	18	5.50	18
7	-734	207	Max	12.45	-8137.88	18	-2372.53	18	-392.07	18	1951.92	18	433.83	18	5.50	18
7	-734	207	Min.	0.00	-8188.45	18	-2372.53	18	-96.75	18	1951.92	18	190.86	18	5.50	18
7	-734	207	Min.	12.45	-8137.88	18	-2372.53	18	-392.07	18	1951.92	18	433.83	18	5.50	18
8	8	-735	Max	0.00	-23114.60	18	143.74	18	-225.56	18	-215.38	18	510.30	18	-23.63	18

Relazione di calcolo

8	8	-735	Max	393.00	-21886.50	18	143.74	18	339.32	18	-215.38	18	-336.13	18	-23.63	18
8	8	-735	Min.	0.00	-23114.60	18	143.74	18	-225.56	18	-215.38	18	510.30	18	-23.63	18
8	8	-735	Min.	393.00	-21886.50	18	143.74	18	339.32	18	-215.38	18	-336.13	18	-23.63	18
8	-735	208	Max	0.00	-19780.30	18	1106.59	18	-1170.99	18	374.25	18	-202.42	18	0.37	18
8	-735	208	Max	170.38	-19247.90	18	1106.58	18	714.42	18	374.25	18	435.22	18	0.37	18
8	-735	208	Min.	0.00	-19780.30	18	1106.59	18	-1170.99	18	374.25	18	-202.42	18	0.37	18
8	-735	208	Min.	170.38	-19247.90	18	1106.58	18	714.42	18	374.25	18	435.22	18	0.37	18
9	9	209	Max	0.00	-10507.60	18	6.19	18	-33.61	18	513.52	18	-744.67	18	-19.17	18
9	9	209	Max	481.00	-9004.47	18	6.19	18	-3.82	18	513.52	18	1725.38	18	-19.17	18
9	9	209	Min.	0.00	-10507.60	18	6.19	18	-33.61	18	513.52	18	-744.67	18	-19.17	18
9	9	209	Min.	481.00	-9004.47	18	6.19	18	-3.82	18	513.52	18	1725.38	18	-19.17	18
10	10	110	Max	0.00	-14125.00	18	-21.10	18	41.82	18	-76.08	18	183.78	18	-3.69	18
10	10	110	Max	489.53	-13360.10	18	-21.10	18	-61.46	18	-76.08	18	-188.64	18	-3.69	18
10	10	110	Min.	0.00	-14125.00	18	-21.10	18	41.82	18	-76.08	18	183.78	18	-3.69	18
10	10	110	Min.	489.53	-13360.10	18	-21.10	18	-61.46	18	-76.08	18	-188.64	18	-3.69	18
10	110	210	Max	0.00	-6449.47	18	-146.15	18	159.37	18	-1126.88	18	658.14	18	-6.19	18
10	110	210	Max	107.69	-6281.21	18	-146.15	18	1.99	18	-1126.89	18	-555.37	18	-6.19	18
10	110	210	Min.	0.00	-6449.47	18	-146.15	18	159.37	18	-1126.88	18	658.14	18	-6.19	18
10	110	210	Min.	107.69	-6281.21	18	-146.15	18	1.99	18	-1126.89	18	-555.37	18	-6.19	18
11	11	111	Max	0.00	-8284.23	18	-67.36	18	247.63	18	-760.65	18	1532.34	18	-16.56	18
11	11	111	Max	402.53	-7026.31	18	-67.36	18	-23.51	18	-760.65	18	-1529.52	18	-16.56	18
11	11	111	Min.	0.00	-8284.23	18	-67.36	18	247.63	18	-760.65	18	1532.34	18	-16.56	18
11	11	111	Min.	402.53	-7026.31	18	-67.36	18	-23.51	18	-760.65	18	-1529.52	18	-16.56	18
12	12	-736	Max	0.00	-9001.60	18	-185.79	18	-52.35	18	-320.33	18	964.01	18	-33.97	18
12	12	-736	Max	393.00	-7405.04	18	-185.79	18	-782.51	18	-320.33	18	-294.88	18	-33.97	18
12	12	-736	Min.	0.00	-9001.60	18	-185.79	18	-52.35	18	-320.33	18	964.01	18	-33.97	18
12	12	-736	Min.	393.00	-7405.04	18	-185.79	18	-782.51	18	-320.33	18	-294.88	18	-33.97	18
12	-736	212	Max	0.00	-5568.32	18	119.68	18	-35.82	18	-3156.46	18	-488.89	18	5.50	18
12	-736	212	Max	12.45	-5517.76	18	119.68	18	-20.93	18	-3156.45	18	-881.79	18	5.50	18
12	-736	212	Min.	0.00	-5568.32	18	119.68	18	-35.82	18	-3156.46	18	-488.89	18	5.50	18
12	-736	212	Min.	12.45	-5517.76	18	119.68	18	-20.93	18	-3156.45	18	-881.79	18	5.50	18
13	13	-737	Max	0.00	-19296.80	18	184.91	18	-320.93	18	-313.46	18	969.53	18	-23.63	18
13	13	-737	Max	393.00	-18068.70	18	184.91	18	405.76	18	-313.46	18	-262.35	18	-23.63	18
13	13	-737	Min.	0.00	-19296.80	18	184.91	18	-320.93	18	-313.46	18	969.53	18	-23.63	18
13	13	-737	Min.	393.00	-18068.70	18	184.91	18	405.76	18	-313.46	18	-262.35	18	-23.63	18
13	-737	213	Max	0.00	-16079.80	18	1072.31	18	-1120.57	18	-144.36	18	-294.02	18	0.37	18
13	-737	213	Max	170.38	-15547.30	18	1072.31	18	706.44	18	-144.36	18	-539.98	18	0.37	18
13	-737	213	Min.	0.00	-16079.80	18	1072.31	18	-1120.57	18	-144.36	18	-294.02	18	0.37	18
13	-737	213	Min.	170.38	-15547.30	18	1072.31	18	706.44	18	-144.36	18	-539.98	18	0.37	18
14	14	214	Max	0.00	-8484.47	18	27.06	18	-93.40	18	-715.66	18	1793.95	18	-19.17	18
14	14	214	Max	481.00	-6981.34	18	27.06	18	36.76	18	-715.66	18	-1648.39	18	-19.17	18
14	14	214	Min.	0.00	-8484.47	18	27.06	18	-93.40	18	-715.66	18	1793.95	18	-19.17	18
14	14	214	Min.	481.00	-6981.34	18	27.06	18	36.76	18	-715.66	18	-1648.39	18	-19.17	18
15	15	215	Max	0.00	-6315.24	18	212.61	18	-525.04	18	231.34	18	-1853.89	18	-31.15	18
15	15	215	Max	425.45	-4586.86	18	212.61	18	379.49	18	231.34	18	-869.68	18	-31.15	18
15	15	215	Min.	0.00	-6315.24	18	212.61	18	-525.04	18	231.34	18	-1853.89	18	-31.15	18
15	15	215	Min.	425.45	-4586.86	18	212.61	18	379.49	18	231.34	18	-869.68	18	-31.15	18
16	16	216	Max	0.00	-12001.50	18	126.40	18	-449.18	18	270.46	18	-721.06	18	-16.29	18
16	16	216	Max	567.23	-10228.90	18	126.40	18	267.81	18	270.46	18	813.07	18	-16.29	18
16	16	216	Min.	0.00	-12001.50	18	126.40	18	-449.18	18	270.46	18	-721.06	18	-16.29	18
16	16	216	Min.	567.23	-10228.90	18	126.40	18	267.81	18	270.46	18	813.07	18	-16.29	18
17	17	217	Max	0.00	-12844.30	18	398.63	18	-1089.84	18	288.98	18	-664.20	18	-27.50	18
17	17	217	Max	482.51	-10884.10	18	398.63	18	833.59	18	288.98	18	730.13	18	-27.50	18
17	17	217	Min.	0.00	-12844.30	18	398.63	18	-1089.84	18	288.98	18	-664.20	18	-27.50	18
17	17	217	Min.	482.51	-10884.10	18	398.63	18	833.59	18	288.98	18	730.13	18	-27.50	18
18	18	118	Max	0.00	-14920.30	18	259.70	18	-907.30	18	41.74	18	-330.62	18	-19.62	18
18	18	118	Max	489.53	-12931.50	18	259.70	18	364.03	18	41.74	18	-126.27	18	-19.62	18
18	18	118	Min.	0.00	-14920.30	18	259.70	18	-907.30	18	41.74	18	-330.62	18	-19.62	18
18	18	118	Min.	489.53	-12931.50	18	259.70	18	364.03	18	41.74	18	-126.27	18	-19.62	18
18	118	218	Max	0.00	-7047.42	18	-387.06	18	457.38	18	402.68	18	266.64	18	-32.96	18
18	118	218	Max	107.69	-6609.94	18	-387.07	18	40.56	18	402.69	18	700.28	18	-32.96	18
18	118	218	Min.	0.00	-7047.42	18	-387.06	18	457.38	18	402.68	18	266.64	18	-32.96	18
18	118	218	Min.	107.69	-6609.94	18	-387.07	18	40.56	18	402.69	18	700.28	18	-32.96	18
19	19	119	Max	0.00	-8076.39	18	305.74	18	-939.18	18	-129.56	18	868.49	18	-23.81	18
19	19	119	Max	402.53	-6441.09	18	305.74	18	291.51	18	-129.56	18	346.96	18	-23.81	18
19	19	119	Min.	0.00	-8076.39	18	305.74	18	-939.18	18	-129.56	18	868.49	18	-23.81	18
19	19	119	Min.	402.53	-6441.09	18	305.74	18	291.51	18	-129.56	18	346.96	18	-23.81	18
102	120	104	Max	24.44	-843.52	18	-402.89	18	476.49	18	497.00	18	-238.65	18	-268.94	18
102	120	104	Max	193.88					-206.16	18			182.41	18		
102	120	104	Max	351.18	-1049.15	18	-402.89	18	-839.88	18	-461.38	18	-180.45	18	-268.94	18
102	120	104	Min.	24.44	-843.52	18	-402.89	18	476.49	18	497.00	18	-238.65	18	-268.94	18
102	120	104	Min.	193.88					-206.16	18			182.41	18		
102	120	104	Min.	351.18	-1049.15	18	-402.89	18	-839.88	18	-461.38	18	-180.45	18	-268.94	18
102	104	21	Max	0.00	1339.50	18	-3337.77	18	2113.58	18	442.34	18	-325.36	18	264.76	18
102	104	21	Max	115.00	1267.13	18	-3337.77	18	-1724.86	18	105.01	18	-10.63	18	264.76	18
102	104	21	Min.	0.00	1339.50	18	-3337.77	18	2113.58	18	442.34	18	-325.36	18	264.76	18
102	104	21	Min.	115.00	1267.13	18	-3337.77	18	-1724.86	18	105.01	18	-10.63	18	264.76	18
103	105	106	Max	24.44	1962.16	18	74.86	18	-117.53	18	336.46	18	-188.54	18	52.23	18
103	105	106	Max	215.62					25.60	18			133.07	18		

Relazione di calcolo

103	105	106	Max	390.29	1824.01	18	74.86	18	156.36	18	-307.40	18	-135.40	18	52.23	18
103	105	106	Min.	24.44	1962.16	18	74.86	18	-117.53	18	336.46	18	-188.54	18	52.23	18
103	105	106	Min.	215.62					25.60	18			133.07	18		
103	105	106	Min.	390.29	1824.01	18	74.86	18	156.36	18	-307.40	18	-135.40	18	52.23	18
103	106	22	Max	0.00	2892.02	18	723.21	18	-456.72	18	354.78	18	-277.92	18	-109.98	18
103	106	22	Max	115.00	2848.60	18	723.21	18	374.97	18	152.38	18	13.70	18	-109.98	18
103	106	22	Min.	0.00	2892.02	18	723.21	18	-456.72	18	354.78	18	-277.92	18	-109.98	18
103	106	22	Min.	115.00	2848.60	18	723.21	18	374.97	18	152.38	18	13.70	18	-109.98	18
105	110	111	Max	24.44	2421.17	18	-23.13	18	48.15	18	331.10	18	-173.11	18	15.70	18
105	110	111	Max	212.57					4.63	18			138.34	18		
105	110	111	Max	390.29	2283.03	18	-23.13	18	-36.48	18	-312.76	18	-139.57	18	15.70	18
105	110	111	Min.	24.44	2421.17	18	-23.13	18	48.15	18	331.10	18	-173.11	18	15.70	18
105	110	111	Min.	212.57					4.63	18			138.34	18		
105	110	111	Min.	390.29	2283.03	18	-23.13	18	-36.48	18	-312.76	18	-139.57	18	15.70	18
105	111	23	Max	0.00	2588.60	18	-286.61	18	124.50	18	320.01	18	-245.73	18	-108.41	18
105	111	23	Max	115.00	2545.18	18	-286.61	18	-205.10	18	117.61	18	5.90	18	-108.41	18
105	111	23	Min.	0.00	2588.60	18	-286.61	18	124.50	18	320.01	18	-245.73	18	-108.41	18
105	111	23	Min.	115.00	2545.18	18	-286.61	18	-205.10	18	117.61	18	5.90	18	-108.41	18
107	118	119	Max	31.78	2148.01	18	61.56	18	-92.91	18	283.41	18	-121.51	18	19.80	18
107	118	119	Max	192.81					6.22	18			106.67	18		
107	118	119	Max	351.17	2027.40	18	61.56	18	103.72	18	-278.72	18	-114.02	18	19.80	18
107	118	119	Min.	31.78	2148.01	18	61.56	18	-92.91	18	283.41	18	-121.51	18	19.80	18
107	118	119	Min.	192.81					6.22	18			106.67	18		
107	118	119	Min.	351.17	2027.40	18	61.56	18	103.72	18	-278.72	18	-114.02	18	19.80	18
107	119	24	Max	0.00	1919.41	18	223.32	18	-183.40	18	221.46	18	-128.51	18	-147.93	18
107	119	24	Max	115.00	1875.99	18	223.32	18	73.42	18	19.06	18	9.79	18	-147.93	18
107	119	24	Min.	0.00	1919.41	18	223.32	18	-183.40	18	221.46	18	-128.51	18	-147.93	18
107	119	24	Min.	115.00	1875.99	18	223.32	18	73.42	18	19.06	18	9.79	18	-147.93	18
108	25	26	Max	0.00	1022.36	18	-43.52	18	96.45	18	340.33	18	-149.99	18	16.69	18
108	25	26	Max	193.37					12.29	18			179.06	18		
108	25	26	Max	414.73	865.76	18	-43.52	18	-84.05	18	-389.57	18	-252.12	18	16.69	18
108	25	26	Min.	0.00	1022.36	18	-43.52	18	96.45	18	340.33	18	-149.99	18	16.69	18
108	25	26	Min.	193.37					12.29	18			179.06	18		
108	25	26	Min.	414.73	865.76	18	-43.52	18	-84.05	18	-389.57	18	-252.12	18	16.69	18
108	26	27	Max	0.00	153.18	18	-279.50	18	185.13	18	217.55	18	-152.56	18	65.70	18
108	26	27	Max	115.00	109.75	18	-279.50	18	-136.29	18	15.16	18	-18.75	18	65.70	18
108	26	27	Min.	0.00	153.18	18	-279.50	18	185.13	18	217.55	18	-152.56	18	65.70	18
108	26	27	Min.	115.00	109.75	18	-279.50	18	-136.29	18	15.16	18	-18.75	18	65.70	18
113	120	-714	Max	0.00	0.00	18	-35.79	18	69.36	18	119.36	18	84.81	18	-101.75	18
113	120	-714	Max	9.34					64.83	18			90.39	18		
113	120	-714	Max	58.33	0.00	18	-194.17	18	2.29	18	-625.79	18	-62.90	18	-101.75	18
113	120	-714	Min.	0.00	0.00	18	-35.79	18	69.36	18	119.36	18	84.81	18	-101.75	18
113	120	-714	Min.	9.34					64.83	18			90.39	18		
113	120	-714	Min.	58.33	0.00	18	-194.17	18	2.29	18	-625.79	18	-62.90	18	-101.75	18
113	-714	-715	Max	0.00	0.00	18	8.74	18	17.37	18	217.42	18	13.93	18	-5.70	18
113	-714	-715	Max	17.02					14.92	18			32.43	18		
113	-714	-715	Max	58.33	0.00	18	-149.65	18	-23.73	18	-527.73	18	-76.58	18	-5.70	18
113	-714	-715	Min.	0.00	0.00	18	8.74	18	17.37	18	217.42	18	13.93	18	-5.70	18
113	-714	-715	Min.	3.22					17.51	18			20.26	18		
113	-714	-715	Min.	58.33	0.00	18	-149.65	18	-23.73	18	-527.73	18	-76.58	18	-5.70	18
113	-715	121	Max	0.00	0.00	18	-158.21	18	-64.07	18	-150.24	18	-19.89	18	18.24	18
113	-715	121	Max	58.33	0.00	18	-316.60	18	-202.56	18	-895.39	18	-324.87	18	18.24	18
113	-715	121	Min.	0.00	0.00	18	-158.21	18	-64.07	18	-150.24	18	-19.89	18	18.24	18
113	-715	121	Min.	58.33	0.00	18	-316.60	18	-202.56	18	-895.39	18	-324.87	18	18.24	18
113	121	105	Max	0.00	0.00	18	281.16	18	122.82	18	1956.67	18	-573.14	18	59.91	18
113	121	105	Max	117.95					209.17	18			580.82	18		
113	121	105	Max	256.00	0.00	18	-621.51	18	-312.83	18	-2290.06	18	-999.88	18	59.91	18
113	121	105	Min.	0.00	0.00	18	281.16	18	122.82	18	1956.67	18	-573.14	18	59.91	18
113	121	105	Min.	79.74					234.91	18			459.70	18		
113	121	105	Min.	256.00	0.00	18	-621.51	18	-312.83	18	-2290.06	18	-999.88	18	59.91	18
113	105	110	Max	0.00	0.00	18	472.01	18	-358.59	18	2172.39	18	-1109.29	18	20.84	18
113	105	110	Max	130.96					-42.82	18			313.13	18		
113	105	110	Max	255.00	0.00	18	-427.14	18	-301.38	18	-2057.75	18	-963.13	18	20.84	18
113	105	110	Min.	0.00	0.00	18	472.01	18	-358.59	18	2172.39	18	-1109.29	18	20.84	18
113	105	110	Min.	133.86					-42.67	18			312.43	18		
113	105	110	Min.	255.00	0.00	18	-427.14	18	-301.38	18	-2057.75	18	-963.13	18	20.84	18
113	110	118	Max	0.00	0.00	18	960.20	18	-874.46	18	3346.25	18	-2343.83	18	-12.67	18
113	110	118	Max	201.72					345.06	18			1031.17	18		
113	110	118	Max	354.00	-0.00	18	-288.02	18	315.31	18	-2526.18	18	-892.29	18	-12.67	18
113	110	118	Min.	0.00	0.00	18	960.20	18	-874.46	18	3346.25	18	-2343.83	18	-12.67	18
113	110	118	Min.	272.32					432.94	18			617.76	18		
113	110	118	Min.	354.00	-0.00	18	-288.02	18	315.31	18	-2526.18	18	-892.29	18	-12.67	18
113	118	25	Max	0.00	0.00	18	950.87	18	-933.18	18	1892.71	18	-1290.48	18	149.99	18
113	118	25	Max	115.00	0.00	18	638.62	18	-19.22	18	423.70	18	41.45	18	149.99	18
113	118	25	Min.	0.00	0.00	18	950.87	18	-933.18	18	1892.71	18	-1290.48	18	149.99	18
113	118	25	Min.	115.00	0.00	18	638.62	18	-19.22	18	423.70	18	41.45	18	149.99	18
115	-1424	104	Max	0.00	0.00	18	1142.32	18	-1195.45	18	-461.78	18	1255.86	18	9.47	18
115	-1424	104	Max	150.00	0.00	18	1723.58	18	953.98	18	-3196.40	18	-1487.77	18	9.47	18
115	-1424	104	Min.	0.00	0.00	18	1142.32	18	-1195.45	18	-461.78	18	1255.86	18	9.47	18

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115	-1424	104	Min.	150.00	0.00	18	1723.58	18	953.98	18	-3196.40	18	-1487.77	18	9.47	18
115	106	-1424	Max	50.00	-0.00	18	-1574.07	18	1012.17	18	3362.43	18	-1731.13	18	9.47	18
115	106	-1424	Max	234.43					-1231.81	18			1369.63	18		
115	106	-1424	Max	281.00	-0.00	18	-678.93	18	-1590.05	18	-848.90	18	1171.99	18	9.47	18
115	106	-1424	Min.	50.00	-0.00	18	-1574.07	18	1012.17	18	3362.43	18	-1731.13	18	9.47	18
115	106	-1424	Min.	234.43					-1231.81	18			1369.63	18		
115	106	-1424	Min.	281.00	-0.00	18	-678.93	18	-1590.05	18	-848.90	18	1171.99	18	9.47	18
115	111	106	Max	50.00	0.00	18	46.28	18	-126.72	18	1449.18	18	-326.35	18	3.96	18
115	111	106	Max	129.49					32.50	18			249.63	18		
115	111	106	Max	280.00	0.00	18	937.55	18	1004.68	18	-2743.91	18	-1815.29	18	3.96	18
115	111	106	Min.	50.00	0.00	18	46.28	18	-126.72	18	1449.18	18	-326.35	18	3.96	18
115	111	106	Min.	129.49					32.50	18			249.63	18		
115	111	106	Min.	280.00	0.00	18	937.55	18	1004.68	18	-2743.91	18	-1815.29	18	3.96	18
115	119	111	Max	25.00	0.00	18	-263.17	18	-434.37	18	2716.14	18	-881.45	18	18.82	18
115	119	111	Max	173.99					-396.39	18			1141.89	18		
115	119	111	Max	379.00	-0.00	18	1108.61	18	1062.04	18	-3737.57	18	-2689.39	18	18.82	18
115	119	111	Min.	25.00	0.00	18	-263.17	18	-434.37	18	2716.14	18	-881.45	18	18.82	18
115	119	111	Min.	173.99					-396.39	18			1141.89	18		
115	119	111	Min.	379.00	-0.00	18	1108.61	18	1062.04	18	-3737.57	18	-2689.39	18	18.82	18
115	26	119	Max	0.00	0.00	18	705.21	18	-47.90	18	-304.16	18	96.53	18	-99.55	18
115	26	119	Max	115.00	-0.00	18	1150.84	18	1019.33	18	-2400.71	18	-1458.76	18	-99.55	18
115	26	119	Min.	0.00	0.00	18	705.21	18	-47.90	18	-304.16	18	96.53	18	-99.55	18
115	26	119	Min.	115.00	-0.00	18	1150.84	18	1019.33	18	-2400.71	18	-1458.76	18	-99.55	18
116	22	21	Max	0.00	0.00	18	-98.57	18	59.07	18	441.46	18	-288.06	18	10.63	18
116	22	21	Max	250.73					-70.43	18			265.39	18		
116	22	21	Max	456.00	-0.00	18	72.09	18	-1.30	18	-361.40	18	-105.53	18	10.63	18
116	22	21	Min.	0.00	0.00	18	-98.57	18	59.07	18	441.46	18	-288.06	18	10.63	18
116	22	21	Min.	250.73					-70.43	18			265.39	18		
116	22	21	Min.	456.00	-0.00	18	72.09	18	-1.30	18	-361.40	18	-105.53	18	10.63	18
116	23	22	Max	0.00	0.00	18	-39.12	18	52.22	18	206.11	18	-198.06	18	-3.07	18
116	23	22	Max	117.06					32.07	18			-77.42	18		
116	23	22	Max	280.00	-0.00	18	65.66	18	89.38	18	-286.88	18	-311.13	18	-3.07	18
116	23	22	Min.	0.00	0.00	18	-39.12	18	52.22	18	206.11	18	-198.06	18	-3.07	18
116	23	22	Min.	117.06					32.07	18			-77.42	18		
116	23	22	Min.	280.00	-0.00	18	65.66	18	89.38	18	-286.88	18	-311.13	18	-3.07	18
116	24	23	Max	0.00	0.00	18	-39.98	18	-28.95	18	239.96	18	12.34	18	-8.97	18
116	24	23	Max	136.29					-48.69	18			175.85	18		
116	24	23	Max	379.00	-0.00	18	101.85	18	88.29	18	-427.34	18	-342.75	18	-8.97	18
116	24	23	Min.	0.00	0.00	18	-39.98	18	-28.95	18	239.96	18	12.34	18	-8.97	18
116	24	23	Min.	136.29					-48.69	18			175.85	18		
116	24	23	Min.	379.00	-0.00	18	101.85	18	88.29	18	-427.34	18	-342.75	18	-8.97	18
116	27	24	Max	0.00	0.00	18	-1.77	18	9.75	18	38.32	18	-34.37	18	-18.75	18
116	27	24	Max	21.76					10.25	18			-30.20	18		
116	27	24	Max	115.00	-0.00	18	41.27	18	32.47	18	-164.16	18	-106.73	18	-18.75	18
116	27	24	Min.	0.00	0.00	18	-1.77	18	9.75	18	38.32	18	-34.37	18	-18.75	18
116	27	24	Min.	21.76					10.25	18			-30.20	18		
116	27	24	Min.	115.00	-0.00	18	41.27	18	32.47	18	-164.16	18	-106.73	18	-18.75	18
201	-741	229	Max	0.00	-1042.39	18	-806.51	18	437.96	18	-152.33	18	-28.89	18	50.63	18
201	-741	229	Max	123.84	-918.20	18	-806.51	18	-560.85	18	-502.49	18	-434.36	18	50.63	18
201	-741	229	Min.	0.00	-1042.39	18	-806.51	18	437.96	18	-152.33	18	-28.89	18	50.63	18
201	-741	229	Min.	123.84	-918.20	18	-806.51	18	-560.85	18	-502.49	18	-434.36	18	50.63	18
201	229	226	Max	0.00	-35.74	18	-165.67	18	335.66	18	570.82	18	-296.02	18	46.05	18
201	229	226	Max	201.89					1.20	18			280.18	18		
201	229	226	Max	472.69	438.26	18	-165.67	18	-447.44	18	-765.68	18	-756.55	18	46.05	18
201	229	226	Min.	0.00	-35.74	18	-165.67	18	335.66	18	570.82	18	-296.02	18	46.05	18
201	229	226	Min.	201.89					1.20	18			280.18	18		
201	229	226	Min.	472.69	438.26	18	-165.67	18	-447.44	18	-765.68	18	-756.55	18	46.05	18
201	36	226	Max	0.00	-1471.25	18	215.96	18	-368.57	18	600.51	18	-366.22	18	-51.84	18
201	36	226	Max	209.39					83.63	18			262.48	18		
201	36	226	Max	391.75	-1126.41	18	215.96	18	477.47	18	-523.01	18	-214.42	18	-51.84	18
201	36	226	Min.	0.00	-1471.25	18	215.96	18	-368.57	18	600.51	18	-366.22	18	-51.84	18
201	36	226	Min.	209.39					83.63	18			262.48	18		
201	36	226	Min.	391.75	-1126.41	18	215.96	18	477.47	18	-523.01	18	-214.42	18	-51.84	18
201	224	36	Max	0.00	4023.98	18	-4080.08	18	1132.20	18	-236.79	18	-249.01	18	248.42	18
201	224	36	Max	40.00	3982.15	18	-4080.08	18	-499.83	18	-349.26	18	-366.22	18	248.42	18
201	224	36	Min.	0.00	4023.98	18	-4080.08	18	1132.20	18	-236.79	18	-249.01	18	248.42	18
201	224	36	Min.	40.00	3982.15	18	-4080.08	18	-499.83	18	-349.26	18	-366.22	18	248.42	18
201	225	224	Max	0.00	649.12	18	-244.05	18	477.99	18	524.67	18	-279.29	18	-3.95	18
201	225	224	Max	186.60					22.60	18			210.21	18		
201	225	224	Max	395.83	235.12	18	-244.05	18	-488.06	18	-588.33	18	-405.30	18	-3.95	18
201	225	224	Min.	0.00	649.12	18	-244.05	18	477.99	18	524.67	18	-279.29	18	-3.95	18
201	225	224	Min.	186.60					22.60	18			210.21	18		
201	225	224	Min.	395.83	235.12	18	-244.05	18	-488.06	18	-588.33	18	-405.30	18	-3.95	18
201	-738	225	Max	0.00	1440.62	18	-1488.87	18	964.79	18	54.79	18	-37.23	18	-32.97	18
201	-738	225	Max	19.64					672.32	18			-31.85	18		
201	-738	225	Max	135.60	1290.77	18	-1488.87	18	-1054.16	18	-323.41	18	-219.36	18	-32.97	18
201	-738	225	Min.	0.00	1440.62	18	-1488.87	18	964.79	18	54.79	18	-37.23	18	-32.97	18
201	-738	225	Min.	19.64					672.32	18			-31.85	18		
201	-738	225	Min.	135.60	1290.77	18	-1488.87	18	-1054.16	18	-323.41	18	-219.36	18	-32.97	18

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202	-698	201	Max	0.00	3038.36	18	281.67	18	-203.07	18	161.10	18	11.86	18	17.58	18
202	-698	201	Max	7.81					-181.07	18			18.15	18		
202	-698	201	Max	123.84	3944.26	18	281.67	18	145.76	18	-2393.20	18	-1370.30	18	17.58	18
202	-698	201	Min.	0.00	3038.36	18	281.67	18	-203.07	18	161.10	18	11.86	18	17.58	18
202	-698	201	Min.	7.81					-181.07	18			18.15	18		
202	-698	201	Min.	123.84	3944.26	18	281.67	18	145.76	18	-2393.20	18	-1370.30	18	17.58	18
202	201	202	Max	61.26	4917.79	18	11.74	18	-37.20	18	3145.63	18	-1179.98	18	11.07	18
202	201	202	Max	213.77					-19.30	18			1218.75	18		
202	201	202	Max	393.78	7349.89	18	11.74	18	1.83	18	-3712.61	18	-2122.64	18	11.07	18
202	201	202	Min.	61.26	4917.79	18	11.74	18	-37.20	18	3145.63	18	-1179.98	18	11.07	18
202	201	202	Min.	213.77					-19.30	18			1218.75	18		
202	201	202	Min.	393.78	7349.89	18	11.74	18	1.83	18	-3712.61	18	-2122.64	18	11.07	18
202	202	219	Max	16.49	-15858.80	18	-1037.99	18	-202.75	18	2650.66	18	-2471.42	18	214.95	18
202	202	219	Max	48.28	-15626.10	18	-1037.99	18	-532.72	18	1995.07	18	-1733.00	18	214.95	18
202	202	219	Min.	16.49	-15858.80	18	-1037.99	18	-202.75	18	2650.66	18	-2471.42	18	214.95	18
202	202	219	Min.	48.28	-15626.10	18	-1037.99	18	-532.72	18	1995.07	18	-1733.00	18	214.95	18
202	219	31	Max	0.00	2250.79	18	-33.16	18	-23.33	18	4163.00	18	-2458.66	18	-62.59	18
202	219	31	Max	198.38					-89.12	18			1670.70	18		
202	219	31	Max	391.75	-272.33	18	-33.16	18	-153.24	18	-4057.74	18	-2252.49	18	-62.59	18
202	219	31	Min.	0.00	2250.79	18	-33.16	18	-23.33	18	4163.00	18	-2458.66	18	-62.59	18
202	219	31	Min.	198.38					-89.12	18			1670.70	18		
202	219	31	Min.	391.75	-272.33	18	-33.16	18	-153.24	18	-4057.74	18	-2252.49	18	-62.59	18
202	31	203	Max	0.00	23219.90	18	3667.65	18	-331.56	18	3944.69	18	-2252.51	18	-235.15	18
202	31	203	Max	40.00	23270.10	18	3667.65	18	1135.50	18	3809.73	18	-701.62	18	-235.15	18
202	31	203	Min.	0.00	23219.90	18	3667.65	18	-331.56	18	3944.69	18	-2252.51	18	-235.15	18
202	31	203	Min.	40.00	23270.10	18	3667.65	18	1135.50	18	3809.73	18	-701.62	18	-235.15	18
202	203	221	Max	12.00	2132.93	18	19.48	18	-246.58	18	683.86	18	-495.19	18	122.51	18
202	203	221	Max	214.68					-207.10	18			197.83	18		
202	203	221	Max	395.83	2614.68	18	19.48	18	-171.81	18	-611.26	18	-355.84	18	122.51	18
202	203	221	Min.	12.00	2132.93	18	19.48	18	-246.58	18	683.86	18	-495.19	18	122.51	18
202	203	221	Min.	214.68					-207.10	18			197.83	18		
202	203	221	Min.	395.83	2614.68	18	19.48	18	-171.81	18	-611.26	18	-355.84	18	122.51	18
202	221	-730	Max	23.24	-6019.15	18	-1097.75	18	1042.91	18	548.53	18	-372.20	18	-248.07	18
202	221	-730	Max	135.60	-5870.15	18	-1097.75	18	-190.52	18	172.47	18	32.86	18	-248.07	18
202	221	-730	Min.	23.24	-6019.15	18	-1097.75	18	1042.91	18	548.53	18	-372.20	18	-248.07	18
202	221	-730	Min.	135.60	-5870.15	18	-1097.75	18	-190.52	18	172.47	18	32.86	18	-248.07	18
203	-742	-716	Max	0.00	-880.53	18	-7179.25	18	1158.19	18	-423.47	18	0.00	18	430.81	18
203	-742	-716	Max	40.00	-855.43	18	-7179.25	18	-1713.51	18	-490.95	18	-182.88	18	430.81	18
203	-742	-716	Min.	0.00	-880.53	18	-7179.25	18	1158.19	18	-423.47	18	0.00	18	430.81	18
203	-742	-716	Min.	40.00	-855.43	18	-7179.25	18	-1713.51	18	-490.95	18	-182.88	18	430.81	18
203	-716	223	Max	0.00	-3079.37	18	-131.06	18	319.86	18	349.03	18	-238.74	18	-93.83	18
203	-716	223	Max	206.88					48.72	18			122.31	18		
203	-716	223	Max	395.83	-2830.97	18	-131.06	18	-198.92	18	-318.77	18	-178.85	18	-93.83	18
203	-716	223	Min.	0.00	-3079.37	18	-131.06	18	319.86	18	349.03	18	-238.74	18	-93.83	18
203	-716	223	Min.	206.88					48.72	18			122.31	18		
203	-716	223	Min.	395.83	-2830.97	18	-131.06	18	-198.92	18	-318.77	18	-178.85	18	-93.83	18
203	223	-731	Max	23.24	-4945.29	18	-769.43	18	351.41	18	263.34	18	-181.16	18	91.75	18
203	223	-731	Max	135.60	-4870.79	18	-769.43	18	-513.13	18	75.31	18	9.09	18	91.75	18
203	223	-731	Min.	23.24	-4945.29	18	-769.43	18	351.41	18	263.34	18	-181.16	18	91.75	18
203	223	-731	Min.	135.60	-4870.79	18	-769.43	18	-513.13	18	75.31	18	9.09	18	91.75	18
204	-699	207	Max	0.00	1046.33	18	-250.25	18	272.92	18	-530.14	18	20.08	18	-97.20	18
204	-699	207	Max	123.84	1991.05	18	-250.25	18	-36.99	18	-3193.89	18	-2285.91	18	-97.20	18
204	-699	207	Min.	0.00	1046.33	18	-250.25	18	272.92	18	-530.14	18	20.08	18	-97.20	18
204	-699	207	Min.	123.84	1991.05	18	-250.25	18	-36.99	18	-3193.89	18	-2285.91	18	-97.20	18
204	207	-722	Max	23.56	5232.17	18	-7.21	18	-3.49	18	4242.56	18	-2293.33	18	15.35	18
204	207	-722	Max	220.81					-17.72	18			1890.81	18		
204	207	-722	Max	447.93	8469.40	18	-7.21	18	-34.10	18	-4885.21	18	-3656.98	18	15.35	18
204	207	-722	Min.	23.56	5232.17	18	-7.21	18	-3.49	18	4242.56	18	-2293.33	18	15.35	18
204	207	-722	Min.	220.81					-17.72	18			1890.81	18		
204	207	-722	Min.	447.93	8469.40	18	-7.21	18	-34.10	18	-4885.21	18	-3656.98	18	15.35	18
204	-722	208	Max	0.00	2619.53	18	-4229.54	18	64.03	18	-6959.94	18	-3656.97	18	50.15	18
204	-722	208	Max	1.19	2628.62	18	-4229.54	18	13.59	18	-6985.60	18	-3740.14	18	50.15	18
204	-722	208	Min.	0.00	2619.53	18	-4229.54	18	64.03	18	-6959.94	18	-3656.97	18	50.15	18
204	-722	208	Min.	1.19	2628.62	18	-4229.54	18	13.59	18	-6985.60	18	-3740.14	18	50.15	18
204	208	32	Max	0.00	13478.70	18	21.75	18	-52.98	18	5385.33	18	-4302.70	18	-9.89	18
204	208	32	Max	246.06					0.53	18			2322.86	18		
204	208	32	Max	391.75	10847.20	18	21.75	18	32.21	18	-3188.68	18	0.01	18	-9.89	18
204	208	32	Min.	0.00	13478.70	18	21.75	18	-52.98	18	5385.33	18	-4302.70	18	-9.89	18
204	208	32	Min.	246.06					0.53	18			2322.86	18		
204	208	32	Min.	391.75	10847.20	18	21.75	18	32.21	18	-3188.68	18	0.01	18	-9.89	18
205	-743	-717	Max	0.00	-1129.22	18	131.64	18	-21.24	18	-570.55	18	0.00	18	-7.90	18
205	-743	-717	Max	40.00	-1104.12	18	131.64	18	31.42	18	-638.03	18	-241.72	18	-7.90	18
205	-743	-717	Min.	0.00	-1129.22	18	131.64	18	-21.24	18	-570.55	18	0.00	18	-7.90	18
205	-743	-717	Min.	40.00	-1104.12	18	131.64	18	31.42	18	-638.03	18	-241.72	18	-7.90	18
205	-717	210	Max	0.00	-4837.66	18	18.18	18	-26.53	18	355.57	18	-252.26	18	-14.68	18
205	-717	210	Max	210.76					11.79	18			122.44	18		
205	-717	210	Max	395.83	-4589.26	18	18.18	18	45.45	18	-312.23	18	-166.47	18	-14.68	18
205	-717	210	Min.	0.00	-4837.66	18	18.18	18	-26.53	18	355.57	18	-252.26	18	-14.68	18
205	-717	210	Min.	210.76					11.79	18			122.44	18		

Relazione di calcolo

205	-717	210	Min.	395.83	-4589.26	18	18.18	18	45.45	18	-312.23	18	-166.47	18	-14.68	18
205	210	-732	Max	23.24	-4707.05	18	664.21	18	-295.34	18	219.48	18	-131.98	18	-90.88	18
205	210	-732	Max	135.60	-4632.54	18	664.21	18	450.98	18	31.45	18	9.00	18	-90.88	18
205	210	-732	Min.	23.24	-4707.05	18	664.21	18	-295.34	18	219.48	18	-131.98	18	-90.88	18
205	210	-732	Min.	135.60	-4632.54	18	664.21	18	450.98	18	31.45	18	9.00	18	-90.88	18
206	-700	212	Max	0.00	-249.51	18	720.83	18	-548.63	18	-702.69	18	20.83	18	84.28	18
206	-700	212	Max	123.84	455.51	18	720.83	18	344.07	18	-2690.59	18	-2080.36	18	84.28	18
206	-700	212	Min.	0.00	-249.51	18	720.83	18	-548.63	18	-702.69	18	20.83	18	84.28	18
206	-700	212	Min.	123.84	455.51	18	720.83	18	344.07	18	-2690.59	18	-2080.36	18	84.28	18
206	212	-723	Max	23.56	6228.64	18	61.49	18	-116.78	18	3087.63	18	-1505.39	18	-10.09	18
206	212	-723	Max	215.92					1.50	18			1464.24	18		
206	212	-723	Max	447.93	8644.52	18	61.49	18	144.17	18	-3724.23	18	-2856.16	18	-10.09	18
206	212	-723	Min.	23.56	6228.64	18	61.49	18	-116.78	18	3087.63	18	-1505.39	18	-10.09	18
206	212	-723	Min.	215.92					1.50	18			1464.24	18		
206	212	-723	Min.	447.93	8644.52	18	61.49	18	144.17	18	-3724.23	18	-2856.16	18	-10.09	18
206	-723	213	Max	0.00	2245.62	18	9718.64	18	-148.69	18	-5993.67	18	-2856.15	18	-113.94	18
206	-723	213	Max	1.19	2252.41	18	9718.64	18	-32.77	18	-6012.81	18	-2927.76	18	-113.94	18
206	-723	213	Min.	0.00	2245.62	18	9718.64	18	-148.69	18	-5993.67	18	-2856.15	18	-113.94	18
206	-723	213	Min.	1.19	2252.41	18	9718.64	18	-32.77	18	-6012.81	18	-2927.76	18	-113.94	18
206	213	33	Max	0.00	10334.30	18	-49.96	18	121.72	18	4018.65	18	-3211.82	18	22.72	18
206	213	33	Max	246.08					-1.23	18			1732.72	18		
206	213	33	Max	391.75	8370.76	18	-49.96	18	-74.01	18	-2378.92	18	0.01	18	22.72	18
206	213	33	Min.	0.00	10334.30	18	-49.96	18	121.72	18	4018.65	18	-3211.82	18	22.72	18
206	213	33	Min.	246.08					-1.23	18			1732.72	18		
206	213	33	Min.	391.75	8370.76	18	-49.96	18	-74.01	18	-2378.92	18	0.01	18	22.72	18
207	-701	215	Max	0.00	1251.86	18	1855.26	18	-1071.98	18	-214.60	18	11.22	18	-47.14	18
207	-701	215	Max	123.84	1918.07	18	1855.26	18	1225.65	18	-2093.06	18	-1417.73	18	-47.14	18
207	-701	215	Min.	0.00	1251.86	18	1855.26	18	-1071.98	18	-214.60	18	11.22	18	-47.14	18
207	-701	215	Min.	123.84	1918.07	18	1855.26	18	1225.65	18	-2093.06	18	-1417.73	18	-47.14	18
207	215	216	Max	61.26	5207.06	18	347.94	18	-636.57	18	2174.92	18	-590.37	18	42.19	18
207	215	216	Max	204.65					-137.66	18			968.91	18		
207	215	216	Max	393.78	6995.65	18	347.94	18	520.39	18	-2868.69	18	-1743.81	18	42.19	18
207	215	216	Min.	61.26	5207.06	18	347.94	18	-636.57	18	2174.92	18	-590.37	18	42.19	18
207	215	216	Min.	204.65					-137.66	18			968.91	18		
207	215	216	Min.	393.78	6995.65	18	347.94	18	520.39	18	-2868.69	18	-1743.81	18	42.19	18
207	216	220	Max	16.49	-8956.24	18	5048.52	18	360.86	18	1445.39	18	-1560.44	18	-662.13	18
207	216	220	Max	48.28	-8785.10	18	5048.52	18	1965.75	18	963.26	18	-1177.59	18	-662.13	18
207	216	220	Min.	16.49	-8956.24	18	5048.52	18	360.86	18	1445.39	18	-1560.44	18	-662.13	18
207	216	220	Min.	48.28	-8785.10	18	5048.52	18	1965.75	18	963.26	18	-1177.59	18	-662.13	18
207	220	34	Max	0.00	-1606.84	18	-318.45	18	658.00	18	3046.72	18	-1793.71	18	24.26	18
207	220	34	Max	197.47					29.15	18			1214.46	18		
207	220	34	Max	391.75	-3461.96	18	-318.45	18	-589.55	18	-2997.57	18	-1697.43	18	24.26	18
207	220	34	Min.	0.00	-1606.84	18	-318.45	18	658.00	18	3046.72	18	-1793.71	18	24.26	18
207	220	34	Min.	197.47					29.15	18			1214.46	18		
207	220	34	Min.	391.75	-3461.96	18	-318.45	18	-589.55	18	-2997.57	18	-1697.43	18	24.26	18
207	34	217	Max	0.00	15141.00	18	6074.36	18	-575.65	18	1283.33	18	-1697.45	18	-373.94	18
207	34	217	Max	40.00	15191.20	18	6074.36	18	1854.09	18	1148.37	18	-1211.11	18	-373.94	18
207	34	217	Min.	0.00	15141.00	18	6074.36	18	-575.65	18	1283.33	18	-1697.45	18	-373.94	18
207	34	217	Min.	40.00	15191.20	18	6074.36	18	1854.09	18	1148.37	18	-1211.11	18	-373.94	18
207	217	218	Max	12.00	-5738.93	18	312.53	18	-747.39	18	587.70	18	-336.61	18	110.81	18
207	217	218	Max	186.18					-203.03	18			175.22	18		
207	217	218	Max	365.37	-5295.42	18	312.53	18	357.01	18	-604.64	18	-366.53	18	110.81	18
207	217	218	Min.	12.00	-5738.93	18	312.53	18	-747.39	18	587.70	18	-336.61	18	110.81	18
207	217	218	Min.	186.18					-203.03	18			175.22	18		
207	217	218	Min.	365.37	-5295.42	18	312.53	18	357.01	18	-604.64	18	-366.53	18	110.81	18
207	218	-733	Max	30.21	-5690.38	18	232.34	18	-49.56	18	86.60	18	86.18	18	-36.16	18
207	218	-733	Max	56.09					10.56	18			97.38	18		
207	218	-733	Max	135.60	-5550.63	18	232.34	18	195.29	18	-266.11	18	-8.42	18	-36.16	18
207	218	-733	Min.	30.21	-5690.38	18	232.34	18	-49.56	18	86.60	18	86.18	18	-36.16	18
207	218	-733	Min.	56.09					10.56	18			97.38	18		
207	218	-733	Min.	135.60	-5550.63	18	232.34	18	195.29	18	-266.11	18	-8.42	18	-36.16	18
208	228	-740	Max	0.00	-1283.70	18	1250.04	18	-823.79	18	545.11	18	-493.36	18	-40.99	18
208	228	-740	Max	123.84	-1407.89	18	1250.04	18	724.30	18	194.95	18	-35.11	18	-40.99	18
208	228	-740	Min.	0.00	-1283.70	18	1250.04	18	-823.79	18	545.11	18	-493.36	18	-40.99	18
208	228	-740	Min.	123.84	-1407.89	18	1250.04	18	724.30	18	194.95	18	-35.11	18	-40.99	18
208	227	228	Max	0.00	542.35	18	217.44	18	-580.55	18	749.67	18	-692.27	18	-54.91	18
208	227	228	Max	265.14					-4.02	18			301.58	18		
208	227	228	Max	472.69	68.35	18	217.44	18	447.27	18	-586.83	18	-307.39	18	-54.91	18
208	227	228	Min.	0.00	542.35	18	217.44	18	-580.55	18	749.67	18	-692.27	18	-54.91	18
208	227	228	Min.	265.14					-4.02	18			301.58	18		
208	227	228	Min.	472.69	68.35	18	217.44	18	447.27	18	-586.83	18	-307.39	18	-54.91	18
208	35	227	Max	0.00	-1622.65	18	-286.21	18	498.15	18	571.27	18	-336.41	18	59.48	18
208	35	227	Max	199.19					-71.96	18			232.55	18		
208	35	227	Max	391.75	-1277.82	18	-286.21	18	-623.08	18	-552.26	18	-299.16	18	59.48	18
208	35	227	Min.	0.00	-1622.65	18	-286.21	18	498.15	18	571.27	18	-336.41	18	59.48	18
208	35	227	Min.	199.19					-71.96	18			232.55	18		
208	35	227	Min.	391.75	-1277.82	18	-286.21	18	-623.08	18	-552.26	18	-299.16	18	59.48	18
208	28	35	Max	0.00	2990.53	18	5852.56	18	-1628.92	18	165.20	18	-380.00	18	-360.15	18
208	28	35	Max	40.00	2948.69	18	5852.56	18	712.11	18	52.73	18	-336.41	18	-360.15	18

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208	28	35	Min.	0.00	2990.53	18	5852.56	18	-1628.92	18	165.20	18	-380.00	18	-360.15	18
208	28	35	Min.	40.00	2948.69	18	5852.56	18	712.11	18	52.73	18	-336.41	18	-360.15	18
208	29	28	Max	0.00	819.34	18	298.68	18	-548.11	18	552.23	18	-333.95	18	33.81	18
208	29	28	Max	196.40					38.50	18			208.33	18		
208	29	28	Max	395.83	405.34	18	298.68	18	634.19	18	-560.77	18	-350.87	18	33.81	18
208	29	28	Min.	0.00	819.34	18	298.68	18	-548.11	18	552.23	18	-333.95	18	33.81	18
208	29	28	Min.	196.40					38.50	18			208.33	18		
208	29	28	Min.	395.83	405.34	18	298.68	18	634.19	18	-560.77	18	-350.87	18	33.81	18
208	-739	29	Max	0.00	792.89	18	1355.97	18	-835.25	18	62.58	18	-5.31	18	62.05	18
208	-739	29	Max	22.44					-531.01	18			1.71	18		
208	-739	29	Max	135.60	643.04	18	1355.97	18	1003.47	18	-315.62	18	-176.88	18	62.05	18
208	-739	29	Min.	0.00	792.89	18	1355.97	18	-835.25	18	62.58	18	-5.31	18	62.05	18
208	-739	29	Min.	22.44					-531.01	18			1.71	18		
208	-739	29	Min.	135.60	643.04	18	1355.97	18	1003.47	18	-315.62	18	-176.88	18	62.05	18
209	-698	-741	Max	0.00	0.00	18	182.93	18	-121.09	18	371.72	18	-228.30	18	-28.89	18
209	-698	-741	Max	115.00	0.00	18	112.13	18	48.56	18	177.20	18	87.33	18	-28.89	18
209	-698	-741	Min.	0.00	0.00	18	182.93	18	-121.09	18	371.72	18	-228.30	18	-28.89	18
209	-698	-741	Min.	115.00	0.00	18	112.13	18	48.56	18	177.20	18	87.33	18	-28.89	18
209	-699	-698	Max	0.00	0.00	18	176.46	18	-172.41	18	472.01	18	-446.42	18	-17.03	18
209	-699	-698	Max	279.06					80.30	18			212.19	18		
209	-699	-698	Max	531.00	0.00	18	-150.45	18	-103.35	18	-426.14	18	-324.62	18	-17.03	18
209	-699	-698	Min.	0.00	0.00	18	176.46	18	-172.41	18	472.01	18	-446.42	18	-17.03	18
209	-699	-698	Min.	286.62					80.48	18			211.70	18		
209	-699	-698	Min.	531.00	0.00	18	-150.45	18	-103.35	18	-426.14	18	-324.62	18	-17.03	18
209	-700	-699	Max	0.00	0.00	18	50.26	18	-8.80	18	177.21	18	-58.32	18	3.06	18
209	-700	-699	Max	104.77					10.08	18			34.51	18		
209	-700	-699	Max	294.00	0.00	18	-130.73	18	-127.09	18	-320.08	18	-268.34	18	3.06	18
209	-700	-699	Min.	0.00	0.00	18	50.26	18	-8.80	18	177.21	18	-58.32	18	3.06	18
209	-700	-699	Min.	81.65					11.72	18			29.99	18		
209	-700	-699	Min.	294.00	0.00	18	-130.73	18	-127.09	18	-320.08	18	-268.34	18	3.06	18
209	-701	-700	Max	0.00	0.00	18	22.55	18	53.62	18	126.77	18	53.31	18	23.88	18
209	-701	-700	Max	74.95					53.23	18			100.82	18		
209	-701	-700	Max	290.00	0.00	18	-155.98	18	-139.86	18	-363.75	18	-290.30	18	23.88	18
209	-701	-700	Min.	0.00	0.00	18	22.55	18	53.62	18	126.77	18	53.31	18	23.88	18
209	-701	-700	Min.	36.63					57.75	18			88.40	18		
209	-701	-700	Min.	290.00	0.00	18	-155.98	18	-139.86	18	-363.75	18	-290.30	18	23.88	18
209	-740	-701	Max	0.00	0.00	18	-151.36	18	100.03	18	-250.19	18	180.13	18	35.10	18
209	-740	-701	Max	115.00	0.00	18	-222.16	18	-114.75	18	-444.70	18	-219.43	18	35.10	18
209	-740	-701	Min.	0.00	0.00	18	-151.36	18	100.03	18	-250.19	18	180.13	18	35.10	18
209	-740	-701	Min.	115.00	0.00	18	-222.16	18	-114.75	18	-444.70	18	-219.43	18	35.10	18
210	201	229	Max	0.00	0.00	18	837.71	18	-644.99	18	824.84	18	-529.84	18	138.34	18
210	201	229	Max	115.00	0.00	18	719.71	18	250.52	18	500.64	18	232.31	18	138.34	18
210	201	229	Min.	0.00	0.00	18	837.71	18	-644.99	18	824.84	18	-529.84	18	138.34	18
210	201	229	Min.	115.00	0.00	18	719.71	18	250.52	18	500.64	18	232.31	18	138.34	18
210	-1425	201	Max	0.00	0.00	18	-237.47	18	300.58	18	-22.08	18	177.76	18	128.93	18
210	-1425	201	Max	150.00	0.00	18	-391.38	18	-171.05	18	-444.94	18	-172.51	18	128.93	18
210	-1425	201	Min.	0.00	0.00	18	-237.47	18	300.58	18	-22.08	18	177.76	18	128.93	18
210	-1425	201	Min.	150.00	0.00	18	-391.38	18	-171.05	18	-444.94	18	-172.51	18	128.93	18
210	207	-1425	Max	65.00	0.00	18	507.97	18	-607.21	18	635.63	18	-527.81	18	128.93	18
210	207	-1425	Max	290.48					277.32	18			188.79	18		
210	207	-1425	Max	356.00	0.00	18	209.39	18	436.55	18	-184.72	18	128.27	18	128.93	18
210	207	-1425	Min.	65.00	0.00	18	507.97	18	-607.21	18	635.63	18	-527.81	18	128.93	18
210	207	-1425	Min.	290.48					277.32	18			188.79	18		
210	207	-1425	Min.	356.00	0.00	18	209.39	18	436.55	18	-184.72	18	128.27	18	128.93	18
210	212	207	Max	0.00	0.00	18	-30.56	18	178.41	18	292.95	18	-33.59	18	-10.68	18
210	212	207	Max	103.92					91.26	18			118.63	18		
210	212	207	Max	294.00	0.00	18	-332.22	18	-354.87	18	-535.86	18	-390.66	18	-10.68	18
210	212	207	Min.	0.00	0.00	18	-30.56	18	178.41	18	292.95	18	-33.59	18	-10.68	18
210	212	207	Min.	103.92					91.26	18			118.63	18		
210	212	207	Min.	294.00	0.00	18	-332.22	18	-354.87	18	-535.86	18	-390.66	18	-10.68	18
210	215	212	Max	25.00	0.00	18	-655.32	18	672.22	18	-239.15	18	403.11	18	-213.83	18
210	215	212	Max	225.00	0.00	18	-860.53	18	-843.63	18	-802.97	18	-639.00	18	-213.83	18
210	215	212	Min.	25.00	0.00	18	-655.32	18	672.22	18	-239.15	18	403.11	18	-213.83	18
210	215	212	Min.	225.00	0.00	18	-860.53	18	-843.63	18	-802.97	18	-639.00	18	-213.83	18
210	228	215	Max	0.00	0.00	18	-630.63	18	376.75	18	-424.83	18	301.04	18	-185.98	18
210	228	215	Max	115.00	0.00	18	-748.63	18	-416.33	18	-749.02	18	-373.92	18	-185.98	18
210	228	215	Min.	0.00	0.00	18	-630.63	18	376.75	18	-424.83	18	301.04	18	-185.98	18
210	228	215	Min.	115.00	0.00	18	-748.63	18	-416.33	18	-749.02	18	-373.92	18	-185.98	18
211	219	226	Max	0.00	0.00	18	0.00	18	0.00	18	1520.62	18	-1088.37	18	542.13	18
211	219	226	Max	115.00	0.00	18	0.00	18	0.00	18	1037.62	18	382.62	18	542.13	18
211	219	226	Min.	0.00	0.00	18	0.00	18	0.00	18	1520.62	18	-1088.37	18	542.13	18
211	219	226	Min.	115.00	0.00	18	0.00	18	0.00	18	1037.62	18	382.62	18	542.13	18
211	208	219	Max	50.00	0.00	18	0.00	18	0.00	18	1073.98	18	-948.19	18	-183.52	18
211	208	219	Max	305.71									424.94	18		
211	208	219	Max	531.00	0.00	18	0.00	18	0.00	18	-946.22	18	-640.93	18	-183.52	18
211	208	219	Min.	50.00	0.00	18	0.00	18	0.00	18	1073.98	18	-948.19	18	-183.52	18
211	208	219	Min.	305.71									424.94	18		
211	208	219	Min.	531.00	0.00	18	0.00	18	0.00	18	-946.22	18	-640.93	18	-183.52	18
211	213	208	Max	0.00	0.00	18	0.00	18	0.00	18	444.87	18	-109.75	18	-5.20	18

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211	213	208	Max	105.92									125.85	18		
211	213	208	Max	294.00	0.00	18	0.00	18	0.00	18	-789.93	18	-616.99	18	-5.20	18
211	213	208	Min.	0.00	0.00	18	0.00	18	0.00	18	444.87	18	-109.75	18	-5.20	18
211	213	208	Min.	105.92									125.85	18		
211	213	208	Min.	294.00	0.00	18	0.00	18	0.00	18	-789.93	18	-616.99	18	-5.20	18
211	220	213	Max	0.00	0.00	18	0.00	18	0.00	18	-118.65	18	508.55	18	223.01	18
211	220	213	Max	240.00	0.00	18	0.00	18	0.00	18	-1126.65	18	-985.81	18	223.01	18
211	220	213	Min.	0.00	0.00	18	0.00	18	0.00	18	-118.65	18	508.55	18	223.01	18
211	220	213	Min.	240.00	0.00	18	0.00	18	0.00	18	-1126.65	18	-985.81	18	223.01	18
211	227	220	Max	0.00	0.00	18	0.00	18	0.00	18	-1040.86	18	485.49	18	-393.11	18
211	227	220	Max	115.00	0.00	18	0.00	18	0.00	18	-1523.86	18	-989.23	18	-393.11	18
211	227	220	Min.	0.00	0.00	18	0.00	18	0.00	18	-1040.86	18	485.49	18	-393.11	18
211	227	220	Min.	115.00	0.00	18	0.00	18	0.00	18	-1523.86	18	-989.23	18	-393.11	18
212	203	224	Max	0.00	0.00	18	0.00	18	0.00	18	3335.91	18	-2065.72	18	-156.29	18
212	203	224	Max	115.00	0.00	18	0.00	18	0.00	18	1650.40	18	801.40	18	-156.29	18
212	203	224	Min.	0.00	0.00	18	0.00	18	0.00	18	3335.91	18	-2065.72	18	-156.29	18
212	203	224	Min.	115.00	0.00	18	0.00	18	0.00	18	1650.40	18	801.40	18	-156.29	18
212	-1426	203	Max	0.00	0.00	18	0.00	18	0.00	18	2268.85	18	-251.80	18	71.76	18
212	-1426	203	Max	154.80									1504.29	18		
212	-1426	203	Max	374.80	0.00	18	0.00	18	0.00	18	-3224.45	18	-2042.61	18	71.76	18
212	-1426	203	Min.	0.00	0.00	18	0.00	18	0.00	18	2268.85	18	-251.80	18	71.76	18
212	-1426	203	Min.	154.80									1504.29	18		
212	-1426	203	Min.	374.80	0.00	18	0.00	18	0.00	18	-3224.45	18	-2042.61	18	71.76	18
212	-716	-1426	Max	0.00	0.00	18	0.00	18	0.00	18	3092.55	18	-1758.36	18	71.76	18
212	-716	-1426	Max	56.20	0.00	18	0.00	18	0.00	18	2268.85	18	-251.80	18	71.76	18
212	-716	-1426	Min.	0.00	0.00	18	0.00	18	0.00	18	3092.55	18	-1758.36	18	71.76	18
212	-716	-1426	Min.	56.20	0.00	18	0.00	18	0.00	18	2268.85	18	-251.80	18	71.76	18
212	209	-716	Max	50.00	0.00	18	0.00	18	0.00	18	5021.58	18	-1767.35	18	15.91	18
212	209	-716	Max	75.00	0.00	18	0.00	18	0.00	18	4655.17	18	-557.76	18	15.91	18
212	209	-716	Min.	50.00	0.00	18	0.00	18	0.00	18	5021.58	18	-1767.35	18	15.91	18
212	209	-716	Min.	75.00	0.00	18	0.00	18	0.00	18	4655.17	18	-557.76	18	15.91	18
212	-717	209	Max	0.00	0.00	18	0.00	18	0.00	18	-170.45	18	816.42	18	18.24	18
212	-717	209	Max	205.00	0.00	18	0.00	18	0.00	18	-3175.05	18	-2612.73	18	18.24	18
212	-717	209	Min.	0.00	0.00	18	0.00	18	0.00	18	-170.45	18	816.42	18	18.24	18
212	-717	209	Min.	205.00	0.00	18	0.00	18	0.00	18	-3175.05	18	-2612.73	18	18.24	18
212	214	-717	Max	0.00	0.00	18	0.00	18	0.00	18	3366.87	18	-1613.48	18	7.69	18
212	214	-717	Max	89.00	0.00	18	0.00	18	0.00	18	2062.44	18	802.57	18	7.69	18
212	214	-717	Min.	0.00	0.00	18	0.00	18	0.00	18	3366.87	18	-1613.48	18	7.69	18
212	214	-717	Min.	89.00	0.00	18	0.00	18	0.00	18	2062.44	18	802.57	18	7.69	18
212	217	214	Max	25.00	0.00	18	0.00	18	0.00	18	344.54	18	799.66	18	-35.56	18
212	217	214	Max	48.51									840.15	18		
212	217	214	Max	240.00	0.00	18	0.00	18	0.00	18	-2806.64	18	-1847.10	18	-35.56	18
212	217	214	Min.	25.00	0.00	18	0.00	18	0.00	18	344.54	18	799.66	18	-35.56	18
212	217	214	Min.	48.51									840.15	18		
212	217	214	Min.	240.00	0.00	18	0.00	18	0.00	18	-2806.64	18	-1847.10	18	-35.56	18
212	28	217	Max	0.00	0.00	18	0.00	18	0.00	18	-1581.70	18	1158.23	18	-29.13	18
212	28	217	Max	115.00	0.00	18	0.00	18	0.00	18	-3267.21	18	-1629.88	18	-29.13	18
212	28	217	Min.	0.00	0.00	18	0.00	18	0.00	18	-1581.70	18	1158.23	18	-29.13	18
212	28	217	Min.	115.00	0.00	18	0.00	18	0.00	18	-3267.21	18	-1629.88	18	-29.13	18
213	221	225	Max	0.00	0.00	18	1578.29	18	-871.54	18	1930.40	18	-836.25	18	59.92	18
213	221	225	Max	115.00	0.00	18	959.06	18	587.44	18	229.07	18	405.45	18	59.92	18
213	221	225	Min.	0.00	0.00	18	1578.29	18	-871.54	18	1930.40	18	-836.25	18	59.92	18
213	221	225	Min.	115.00	0.00	18	959.06	18	587.44	18	229.07	18	405.45	18	59.92	18
213	-728	221	Max	0.00	0.00	18	229.03	18	-195.05	18	524.07	18	-169.47	18	-23.39	18
213	-728	221	Max	35.38					-147.72	18			-76.64	18		
213	-728	221	Max	58.33	0.00	18	-85.07	18	-153.06	18	-338.92	18	-115.46	18	-23.39	18
213	-728	221	Min.	0.00	0.00	18	229.03	18	-195.05	18	524.07	18	-169.47	18	-23.39	18
213	-728	221	Min.	42.53					-146.34	18			-80.38	18		
213	-728	221	Min.	58.33	0.00	18	-85.07	18	-153.06	18	-338.92	18	-115.46	18	-23.39	18
213	-729	-728	Max	0.00	0.00	18	13.72	18	-79.48	18	247.16	18	-55.30	18	17.51	18
213	-729	-728	Max	16.71					-84.71	18			-34.65	18		
213	-729	-728	Max	58.33	0.00	18	-300.39	18	-163.09	18	-615.83	18	-162.83	18	17.51	18
213	-729	-728	Min.	0.00	0.00	18	13.72	18	-79.48	18	247.16	18	-55.30	18	17.51	18
213	-729	-728	Min.	2.55					-79.31	18			-49.48	18		
213	-729	-728	Min.	58.33	0.00	18	-300.39	18	-163.09	18	-615.83	18	-162.83	18	17.51	18
213	222	-729	Max	0.00	0.00	18	452.81	18	-275.53	18	811.87	18	-263.04	18	16.91	18
213	222	-729	Max	54.88					-108.12	18			-40.27	18		
213	222	-729	Max	58.33	0.00	18	138.71	18	-103.01	18	-51.12	18	-41.16	18	16.91	18
213	222	-729	Min.	0.00	0.00	18	452.81	18	-275.53	18	811.87	18	-263.04	18	16.91	18
213	222	-729	Min.	54.88					-108.12	18			-40.27	18		
213	222	-729	Min.	58.33	0.00	18	138.71	18	-103.01	18	-51.12	18	-41.16	18	16.91	18
213	223	222	Max	25.00	0.00	18	997.94	18	-568.06	18	2075.49	18	-951.73	18	14.51	18
213	223	222	Max	165.29					302.07	18			504.13	18		
213	223	222	Max	281.00	0.00	18	-380.52	18	222.24	18	-1711.83	18	-486.24	18	14.51	18
213	223	222	Min.	25.00	0.00	18	997.94	18	-568.06	18	2075.49	18	-951.73	18	14.51	18
213	223	222	Min.	210.33					356.69	18			354.07	18		
213	223	222	Min.	281.00	0.00	18	-380.52	18	222.24	18	-1711.83	18	-486.24	18	14.51	18
213	210	223	Max	25.00	-0.00	18	651.58	18	-411.34	18	1834.66	18	-827.94	18	12.37	18
213	210	223	Max	149.01					-17.36	18			309.66	18		

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213	210	223	Max	280.00	-0.00	18	-721.51	18	-500.50	18	-1937.86	18	-959.51	18	12.37	18
213	210	223	Min.	25.00	-0.00	18	651.58	18	-411.34	18	1834.66	18	-827.94	18	12.37	18
213	210	223	Min.	146.01					-17.11	18			308.99	18		
213	210	223	Min.	280.00	-0.00	18	-721.51	18	-500.50	18	-1937.86	18	-959.51	18	12.37	18
213	218	210	Max	25.00	-0.00	18	515.20	18	263.43	18	2302.45	18	-937.04	18	21.96	18
213	218	210	Max	180.63					413.12	18			854.63	18		
213	218	210	Max	379.00	-0.00	18	-1390.97	18	-1286.69	18	-2934.69	18	-2056.11	18	21.96	18
213	218	210	Min.	25.00	-0.00	18	515.20	18	263.43	18	2302.45	18	-937.04	18	21.96	18
213	218	210	Min.	120.68					509.89	18			588.75	18		
213	218	210	Min.	379.00	-0.00	18	-1390.97	18	-1286.69	18	-2934.69	18	-2056.11	18	21.96	18
213	29	218	Max	0.00	0.00	18	-1236.28	18	557.72	18	-465.01	18	421.39	18	-157.06	18
213	29	218	Max	115.00	0.00	18	-1855.52	18	-1220.06	18	-2166.34	18	-1091.63	18	-157.06	18
213	29	218	Min.	0.00	0.00	18	-1236.28	18	557.72	18	-465.01	18	421.39	18	-157.06	18
213	29	218	Min.	115.00	0.00	18	-1855.52	18	-1220.06	18	-2166.34	18	-1091.63	18	-157.06	18
214	-730	-738	Max	0.00	0.00	18	516.33	18	-319.48	18	1048.61	18	-605.04	18	37.23	18
214	-730	-738	Max	115.00	0.00	18	317.83	18	160.16	18	503.24	18	287.28	18	37.23	18
214	-730	-738	Min.	0.00	0.00	18	516.33	18	-319.48	18	1048.61	18	-605.04	18	37.23	18
214	-730	-738	Min.	115.00	0.00	18	317.83	18	160.16	18	503.24	18	287.28	18	37.23	18
214	-731	-730	Max	0.00	0.00	18	388.54	18	-258.06	18	1072.42	18	-749.52	18	4.36	18
214	-731	-730	Max	226.14					179.23	18			463.05	18		
214	-731	-730	Max	456.00	0.00	18	-398.55	18	-280.89	18	-1090.10	18	-789.82	18	4.36	18
214	-731	-730	Min.	0.00	0.00	18	388.54	18	-258.06	18	1072.42	18	-749.52	18	4.36	18
214	-731	-730	Min.	225.10					179.24	18			463.02	18		
214	-731	-730	Min.	456.00	0.00	18	-398.55	18	-280.89	18	-1090.10	18	-789.82	18	4.36	18
214	-732	-731	Max	0.00	0.00	18	233.19	18	-183.52	18	648.90	18	-434.01	18	-4.73	18
214	-732	-731	Max	136.83					-26.02	18			9.94	18		
214	-732	-731	Max	280.00	0.00	18	-250.11	18	-207.20	18	-678.97	18	-476.10	18	-4.73	18
214	-732	-731	Min.	0.00	0.00	18	233.19	18	-183.52	18	648.90	18	-434.01	18	-4.73	18
214	-732	-731	Min.	135.10					-26.00	18			9.86	18		
214	-732	-731	Min.	280.00	0.00	18	-250.11	18	-207.20	18	-678.97	18	-476.10	18	-4.73	18
214	-733	-732	Max	0.00	0.00	18	282.29	18	-95.14	18	819.44	18	-370.77	18	-13.73	18
214	-733	-732	Max	172.79					134.96	18			337.19	18		
214	-733	-732	Max	379.00	0.00	18	-371.89	18	-264.93	18	-977.91	18	-671.09	18	-13.73	18
214	-733	-732	Min.	0.00	0.00	18	282.29	18	-95.14	18	819.44	18	-370.77	18	-13.73	18
214	-733	-732	Min.	163.55					135.70	18			335.16	18		
214	-733	-732	Min.	379.00	0.00	18	-371.89	18	-264.93	18	-977.91	18	-671.09	18	-13.73	18
214	-739	-733	Max	0.00	0.00	18	-207.15	18	125.74	18	-297.33	18	220.26	18	-5.31	18
214	-739	-733	Max	115.00	0.00	18	-405.64	18	-226.61	18	-842.70	18	-435.26	18	-5.31	18
214	-739	-733	Min.	0.00	0.00	18	-207.15	18	125.74	18	-297.33	18	220.26	18	-5.31	18
214	-739	-733	Min.	115.00	0.00	18	-405.64	18	-226.61	18	-842.70	18	-435.26	18	-5.31	18
504	-734	-735	Max	25.00	0.00	18	0.00	18	0.00	18	1281.37	18	-456.28	18	2.98	18
504	-734	-735	Max	200.01									664.99	18		
504	-734	-735	Max	420.50	0.00	18	0.00	18	0.00	18	-1614.33	18	-1114.72	18	2.98	18
504	-734	-735	Min.	25.00	0.00	18	0.00	18	0.00	18	1281.37	18	-456.28	18	2.98	18
504	-734	-735	Min.	200.01									664.99	18		
504	-734	-735	Min.	420.50	0.00	18	0.00	18	0.00	18	-1614.33	18	-1114.72	18	2.98	18
506	-736	-737	Max	25.00	0.00	18	0.00	18	0.00	18	1273.49	18	-443.19	18	20.93	18
506	-736	-737	Max	198.94									664.35	18		
506	-736	-737	Max	420.50	0.00	18	0.00	18	0.00	18	-1622.20	18	-1132.75	18	20.93	18
506	-736	-737	Min.	25.00	0.00	18	0.00	18	0.00	18	1273.49	18	-443.19	18	20.93	18
506	-736	-737	Min.	198.94									664.35	18		
506	-736	-737	Min.	420.50	0.00	18	0.00	18	0.00	18	-1622.20	18	-1132.75	18	20.93	18
510	-734	-736	Max	0.00	0.00	18	0.00	18	0.00	18	377.26	18	-224.16	18	0.59	18
510	-734	-736	Max	164.03									85.25	18		
510	-734	-736	Max	294.00	0.00	18	0.00	18	0.00	18	-298.94	18	-109.02	18	0.59	18
510	-734	-736	Min.	0.00	0.00	18	0.00	18	0.00	18	377.26	18	-224.16	18	0.59	18
510	-734	-736	Min.	164.03									85.25	18		
510	-734	-736	Min.	294.00	0.00	18	0.00	18	0.00	18	-298.94	18	-109.02	18	0.59	18
511	-735	-737	Max	0.00	0.00	18	0.00	18	0.00	18	246.30	18	-173.81	18	2.13	18
511	-735	-737	Max	197.04									68.85	18		
511	-735	-737	Max	294.00	0.00	18	0.00	18	0.00	18	-121.20	18	10.09	18	2.13	18
511	-735	-737	Min.	0.00	0.00	18	0.00	18	0.00	18	246.30	18	-173.81	18	2.13	18
511	-735	-737	Min.	197.04									68.85	18		
511	-735	-737	Min.	294.00	0.00	18	0.00	18	0.00	18	-121.20	18	10.09	18	2.13	18

Tipo di combinazione di carico: SLE F

Asta	N1	N2		X <cm>	N <daN>	CC	Ty <daN>	CC	Mz <daNm>	CC	Tz <daN>	CC	My <daNm>	CC	Mx <daNm>	CC
1	1	201	Max	0.00	-8524.45	19	-213.73	19	585.03	19	-237.63	19	-650.72	19	-28.20	19
1	1	201	Max	425.45	-6796.07	19	-213.73	19	-324.26	19	-237.63	19	-1661.73	19	-28.20	19
1	1	201	Min.	0.00	-8524.45	19	-213.73	19	585.03	19	-237.63	19	-650.72	19	-28.20	19
1	1	201	Min.	425.45	-6796.07	19	-213.73	19	-324.26	19	-237.63	19	-1661.73	19	-28.20	19
2	2	202	Max	0.00	-14590.90	19	-87.61	19	330.18	19	88.61	19	-214.82	19	-14.75	19
2	2	202	Max	567.23	-12818.20	19	-87.61	19	-166.79	19	88.61	19	287.80	19	-14.75	19
2	2	202	Min.	0.00	-14590.90	19	-87.61	19	330.18	19	88.61	19	-214.82	19	-14.75	19
2	2	202	Min.	567.23	-12818.20	19	-87.61	19	-166.79	19	88.61	19	287.80	19	-14.75	19
3	3	203	Max	0.00	-11616.40	19	-76.19	19	357.09	19	-220.74	19	914.01	19	-24.90	19
3	3	203	Max	482.51	-9656.22	19	-76.19	19	-10.52	19	-220.74	19	-151.06	19	-24.90	19

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3	3	203	Min.	0.00	-11616.40	19	-76.19	19	357.09	19	-220.74	19	914.01	19	-24.90	19
3	3	203	Min.	482.51	-9656.22	19	-76.19	19	-10.52	19	-220.74	19	-151.06	19	-24.90	19
4	4	104	Max	0.00	-6385.96	19	375.88	19	-469.50	19	-95.88	19	584.61	19	-21.43	19
4	4	104	Max	402.53	-4750.66	19	375.88	19	1043.55	19	-95.88	19	198.64	19	-21.43	19
4	4	104	Min.	0.00	-6385.96	19	375.88	19	-469.50	19	-95.88	19	584.61	19	-21.43	19
4	4	104	Min.	402.53	-4750.66	19	375.88	19	1043.55	19	-95.88	19	198.64	19	-21.43	19
5	5	105	Max	0.00	-11354.50	19	-23.37	19	52.41	19	26.94	19	-61.54	19	-3.32	19
5	5	105	Max	489.53	-10589.60	19	-23.37	19	-62.02	19	26.94	19	70.33	19	-3.32	19
5	5	105	Min.	0.00	-11354.50	19	-23.37	19	52.41	19	26.94	19	-61.54	19	-3.32	19
5	5	105	Min.	489.53	-10589.60	19	-23.37	19	-62.02	19	26.94	19	70.33	19	-3.32	19
5	105	223	Max	0.00	-5407.20	19	-177.61	19	171.54	19	690.00	19	-416.05	19	-5.69	19
5	105	223	Max	107.69	-5238.94	19	-177.61	19	-19.73	19	690.00	19	327.00	19	-5.69	19
5	105	223	Min.	0.00	-5407.20	19	-177.61	19	171.54	19	690.00	19	-416.05	19	-5.69	19
5	105	223	Min.	107.69	-5238.94	19	-177.61	19	-19.73	19	690.00	19	327.00	19	-5.69	19
6	6	106	Max	0.00	-8246.20	19	-66.51	19	227.09	19	344.98	19	-139.72	19	-14.91	19
6	6	106	Max	402.53	-6988.28	19	-66.51	19	-40.65	19	344.98	19	1248.95	19	-14.91	19
6	6	106	Min.	0.00	-8246.20	19	-66.51	19	227.09	19	344.98	19	-139.72	19	-14.91	19
6	6	106	Min.	402.53	-6988.28	19	-66.51	19	-40.65	19	344.98	19	1248.95	19	-14.91	19
7	7	-734	Max	0.00	-9998.13	19	-166.05	19	-42.76	19	-86.98	19	363.14	19	-30.41	19
7	7	-734	Max	393.00	-8401.57	19	-166.05	19	-695.34	19	-86.98	19	21.32	19	-30.41	19
7	7	-734	Min.	0.00	-9998.13	19	-166.05	19	-42.76	19	-86.98	19	363.14	19	-30.41	19
7	7	-734	Min.	393.00	-8401.57	19	-166.05	19	-695.34	19	-86.98	19	21.32	19	-30.41	19
7	-734	207	Max	0.00	-6620.61	19	-1955.29	19	16.46	19	1904.67	19	219.96	19	-2.97	19
7	-734	207	Max	12.45	-6570.04	19	-1955.28	19	-226.93	19	1904.67	19	457.04	19	-2.97	19
7	-734	207	Min.	0.00	-6620.61	19	-1955.29	19	16.46	19	1904.67	19	219.96	19	-2.97	19
7	-734	207	Min.	12.45	-6570.04	19	-1955.28	19	-226.93	19	1904.67	19	457.04	19	-2.97	19
8	8	-735	Max	0.00	-20015.80	19	130.86	19	-204.16	19	-172.06	19	401.15	19	-21.15	19
8	8	-735	Max	393.00	-18787.70	19	130.86	19	310.13	19	-172.06	19	-275.04	19	-21.15	19
8	8	-735	Min.	0.00	-20015.80	19	130.86	19	-204.16	19	-172.06	19	401.15	19	-21.15	19
8	8	-735	Min.	393.00	-18787.70	19	130.86	19	310.13	19	-172.06	19	-275.04	19	-21.15	19
8	-735	208	Max	0.00	-16874.00	19	974.92	19	-1035.09	19	323.05	19	-138.17	19	-0.20	19
8	-735	208	Max	170.38	-16341.60	19	974.92	19	625.98	19	323.05	19	412.24	19	-0.20	19
8	-735	208	Min.	0.00	-16874.00	19	974.92	19	-1035.09	19	323.05	19	-138.17	19	-0.20	19
8	-735	208	Min.	170.38	-16341.60	19	974.92	19	625.98	19	323.05	19	412.24	19	-0.20	19
9	9	209	Max	0.00	-9234.38	19	2.73	19	-25.15	19	449.20	19	-669.87	19	-17.36	19
9	9	209	Max	481.00	-7731.26	19	2.73	19	-12.03	19	449.20	19	1490.78	19	-17.36	19
9	9	209	Min.	0.00	-9234.38	19	2.73	19	-25.15	19	449.20	19	-669.87	19	-17.36	19
9	9	209	Min.	481.00	-7731.26	19	2.73	19	-12.03	19	449.20	19	1490.78	19	-17.36	19
10	10	110	Max	0.00	-12404.00	19	-21.78	19	43.47	19	-70.18	19	170.31	19	-3.32	19
10	10	110	Max	489.53	-11639.10	19	-21.78	19	-63.16	19	-70.18	19	-173.24	19	-3.32	19
10	10	110	Min.	0.00	-12404.00	19	-21.78	19	43.47	19	-70.18	19	170.31	19	-3.32	19
10	10	110	Min.	489.53	-11639.10	19	-21.78	19	-63.16	19	-70.18	19	-173.24	19	-3.32	19
10	110	210	Max	0.00	-5511.92	19	-144.16	19	160.72	19	-1037.47	19	606.61	19	-5.69	19
10	110	210	Max	107.69	-5343.66	19	-144.16	19	5.48	19	-1037.48	19	-510.62	19	-5.69	19
10	110	210	Min.	0.00	-5511.92	19	-144.16	19	160.72	19	-1037.47	19	606.61	19	-5.69	19
10	110	210	Min.	107.69	-5343.66	19	-144.16	19	5.48	19	-1037.48	19	-510.62	19	-5.69	19
11	11	111	Max	0.00	-7102.67	19	-63.97	19	232.57	19	-679.30	19	1385.94	19	-14.91	19
11	11	111	Max	402.53	-5844.75	19	-63.97	19	-24.94	19	-679.30	19	-1348.45	19	-14.91	19
11	11	111	Min.	0.00	-7102.67	19	-63.97	19	232.57	19	-679.30	19	1385.94	19	-14.91	19
11	11	111	Min.	402.53	-5844.75	19	-63.97	19	-24.94	19	-679.30	19	-1348.45	19	-14.91	19
12	12	-736	Max	0.00	-7829.84	19	-140.22	19	-86.43	19	-318.20	19	945.55	19	-30.41	19
12	12	-736	Max	393.00	-6233.27	19	-140.22	19	-637.50	19	-318.20	19	-304.99	19	-30.41	19
12	12	-736	Min.	0.00	-7829.84	19	-140.22	19	-86.43	19	-318.20	19	945.55	19	-30.41	19
12	12	-736	Min.	393.00	-6233.27	19	-140.22	19	-637.50	19	-318.20	19	-304.99	19	-30.41	19
12	-736	212	Max	0.00	-4531.76	19	28.16	19	61.39	19	-2911.88	19	-503.37	19	-2.97	19
12	-736	212	Max	12.45	-4481.19	19	28.16	19	64.89	19	-2911.87	19	-865.82	19	-2.97	19
12	-736	212	Min.	0.00	-4531.76	19	28.16	19	61.39	19	-2911.88	19	-503.37	19	-2.97	19
12	-736	212	Min.	12.45	-4481.19	19	28.16	19	64.89	19	-2911.87	19	-865.82	19	-2.97	19
13	13	-737	Max	0.00	-16982.40	19	168.44	19	-291.77	19	-284.46	19	902.06	19	-21.15	19
13	13	-737	Max	393.00	-15754.20	19	168.44	19	370.19	19	-284.46	19	-215.86	19	-21.15	19
13	13	-737	Min.	0.00	-16982.40	19	168.44	19	-291.77	19	-284.46	19	902.06	19	-21.15	19
13	13	-737	Min.	393.00	-15754.20	19	168.44	19	370.19	19	-284.46	19	-215.86	19	-21.15	19
13	-737	213	Max	0.00	-13950.50	19	945.24	19	-991.10	19	-177.54	19	-246.99	19	-0.20	19
13	-737	213	Max	170.38	-13418.10	19	945.24	19	619.41	19	-177.54	19	-549.47	19	-0.20	19
13	-737	213	Min.	0.00	-13950.50	19	945.24	19	-991.10	19	-177.54	19	-246.99	19	-0.20	19
13	-737	213	Min.	170.38	-13418.10	19	945.24	19	619.41	19	-177.54	19	-549.47	19	-0.20	19
14	14	214	Max	0.00	-7567.60	19	21.19	19	-76.75	19	-664.06	19	1667.34	19	-17.36	19
14	14	214	Max	481.00	-6064.47	19	21.19	19	25.16	19	-664.06	19	-1526.77	19	-17.36	19
14	14	214	Min.	0.00	-7567.60	19	21.19	19	-76.75	19	-664.06	19	1667.34	19	-17.36	19
14	14	214	Min.	481.00	-6064.47	19	21.19	19	25.16	19	-664.06	19	-1526.77	19	-17.36	19
15	15	215	Max	0.00	-5536.19	19	205.27	19	-505.62	19	241.19	19	-1693.80	19	-28.20	19
15	15	215	Max	425.45	-3807.81	19	205.27	19	367.69	19	241.19	19	-667.64	19	-28.20	19
15	15	215	Min.	0.00	-5536.19	19	205.27	19	-505.62	19	241.19	19	-1693.80	19	-28.20	19
15	15	215	Min.	425.45	-3807.81	19	205.27	19	367.69	19	241.19	19	-667.64	19	-28.20	19
16	16	216	Max	0.00	-10654.20	19	120.57	19	-429.09	19	231.49	19	-623.53	19	-14.75	19
16	16	216	Max	567.23	-8881.59	19	120.57	19	254.83	19	231.49	19	689.56	19	-14.75	19
16	16	216	Min.	0.00	-10654.20	19	120.57	19	-429.09	19	231.49	19	-623.53	19	-14.75	19
16	16	216	Min.	567.23	-8881.59	19	120.57	19	254.83	19	231.49	19	689.56	19	-14.75	19
17	17	217	Max	0.00	-11427.40	19	374.50	19	-1023.19	19	233.67	19	-544.68	19	-24.90	19

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17	17	217	Max	482.51	-9467.24	19	374.50	19	783.79	19	233.67	19	582.77	19	-24.90	19
17	17	217	Min.	0.00	-11427.40	19	374.50	19	-1023.19	19	233.67	19	-544.68	19	-24.90	19
17	17	217	Min.	482.51	-9467.24	19	374.50	19	783.79	19	233.67	19	582.77	19	-24.90	19
18	18	118	Max	0.00	-13304.50	19	246.93	19	-854.04	19	26.36	19	-272.57	19	-17.66	19
18	18	118	Max	489.53	-11315.70	19	246.93	19	354.75	19	26.36	19	-143.52	19	-17.66	19
18	18	118	Min.	0.00	-13304.50	19	246.93	19	-854.04	19	26.36	19	-272.57	19	-17.66	19
18	18	118	Min.	489.53	-11315.70	19	246.93	19	354.75	19	26.36	19	-143.52	19	-17.66	19
18	118	218	Max	0.00	-6180.35	19	-170.62	19	312.02	19	374.74	19	259.92	19	-30.28	19
18	118	218	Max	107.69	-5742.88	19	-170.62	19	128.28	19	374.74	19	663.47	19	-30.28	19
18	118	218	Min.	0.00	-6180.35	19	-170.62	19	312.02	19	374.74	19	259.92	19	-30.28	19
18	118	218	Min.	107.69	-5742.88	19	-170.62	19	128.28	19	374.74	19	663.47	19	-30.28	19
19	19	119	Max	0.00	-7062.45	19	311.46	19	-905.05	19	-117.08	19	792.46	19	-21.43	19
19	19	119	Max	402.53	-5427.16	19	311.46	19	348.67	19	-117.08	19	321.19	19	-21.43	19
19	19	119	Min.	0.00	-7062.45	19	311.46	19	-905.05	19	-117.08	19	792.46	19	-21.43	19
19	19	119	Min.	402.53	-5427.16	19	311.46	19	348.67	19	-117.08	19	321.19	19	-21.43	19
102	120	104	Max	24.44	-386.05	19	-325.08	19	383.55	19	505.83	19	-252.65	19	-218.25	19
102	120	104	Max	196.89					-177.04	19			183.49	19		
102	120	104	Max	351.18	-591.67	19	-325.08	19	-678.60	19	-452.56	19	-165.62	19	-218.25	19
102	120	104	Min.	24.44	-386.05	19	-325.08	19	383.55	19	505.83	19	-252.65	19	-218.25	19
102	120	104	Min.	196.89					-177.04	19			183.49	19		
102	120	104	Min.	351.18	-591.67	19	-325.08	19	-678.60	19	-452.56	19	-165.62	19	-218.25	19
102	104	21	Max	0.00	1362.12	19	-2784.76	19	1734.30	19	443.95	19	-326.88	19	181.26	19
102	104	21	Max	115.00	1289.74	19	-2784.76	19	-1468.18	19	106.63	19	-10.30	19	181.26	19
102	104	21	Min.	0.00	1362.12	19	-2784.76	19	1734.30	19	443.95	19	-326.88	19	181.26	19
102	104	21	Min.	115.00	1289.74	19	-2784.76	19	-1468.18	19	106.63	19	-10.30	19	181.26	19
103	105	106	Max	24.44	2003.41	19	62.81	19	-99.69	19	337.98	19	-191.72	19	40.88	19
103	105	106	Max	216.48					20.92	19			132.80	19		
103	105	106	Max	390.29	1865.27	19	62.81	19	130.09	19	-305.88	19	-133.02	19	40.88	19
103	105	106	Min.	24.44	2003.41	19	62.81	19	-99.69	19	337.98	19	-191.72	19	40.88	19
103	105	106	Min.	216.48					20.92	19			132.80	19		
103	105	106	Min.	390.29	1865.27	19	62.81	19	130.09	19	-305.88	19	-133.02	19	40.88	19
103	106	22	Max	0.00	2845.31	19	614.04	19	-382.15	19	351.69	19	-275.06	19	-78.23	19
103	106	22	Max	115.00	2801.88	19	614.04	19	324.00	19	149.29	19	13.00	19	-78.23	19
103	106	22	Min.	0.00	2845.31	19	614.04	19	-382.15	19	351.69	19	-275.06	19	-78.23	19
103	106	22	Min.	115.00	2801.88	19	614.04	19	324.00	19	149.29	19	13.00	19	-78.23	19
105	110	111	Max	24.44	2402.44	19	-21.27	19	44.75	19	332.66	19	-176.87	19	15.71	19
105	110	111	Max	213.46					4.55	19			137.51	19		
105	110	111	Max	390.29	2264.30	19	-21.27	19	-33.06	19	-311.21	19	-137.63	19	15.71	19
105	110	111	Min.	24.44	2402.44	19	-21.27	19	44.75	19	332.66	19	-176.87	19	15.71	19
105	110	111	Min.	213.46					4.55	19			137.51	19		
105	110	111	Min.	390.29	2264.30	19	-21.27	19	-33.06	19	-311.21	19	-137.63	19	15.71	19
105	111	23	Max	0.00	2578.15	19	-264.93	19	113.40	19	320.12	19	-245.96	19	-104.72	19
105	111	23	Max	115.00	2534.73	19	-264.93	19	-191.26	19	117.72	19	5.79	19	-104.72	19
105	111	23	Min.	0.00	2578.15	19	-264.93	19	113.40	19	320.12	19	-245.96	19	-104.72	19
105	111	23	Min.	115.00	2534.73	19	-264.93	19	-191.26	19	117.72	19	5.79	19	-104.72	19
107	118	119	Max	31.78	1910.84	19	46.11	19	-70.97	19	285.63	19	-126.42	19	11.13	19
107	118	119	Max	194.07					3.87	19			105.36	19		
107	118	119	Max	351.17	1790.24	19	46.11	19	76.32	19	-276.49	19	-111.82	19	11.13	19
107	118	119	Min.	31.78	1910.84	19	46.11	19	-70.97	19	285.63	19	-126.42	19	11.13	19
107	118	119	Min.	194.07					3.87	19			105.36	19		
107	118	119	Min.	351.17	1790.24	19	46.11	19	76.32	19	-276.49	19	-111.82	19	11.13	19
107	119	24	Max	0.00	1936.83	19	139.65	19	-123.93	19	233.63	19	-140.63	19	-117.38	19
107	119	24	Max	115.00	1893.41	19	139.65	19	36.66	19	31.24	19	11.67	19	-117.38	19
107	119	24	Min.	0.00	1936.83	19	139.65	19	-123.93	19	233.63	19	-140.63	19	-117.38	19
107	119	24	Min.	115.00	1893.41	19	139.65	19	36.66	19	31.24	19	11.67	19	-117.38	19
108	25	26	Max	0.00	1026.06	19	-42.91	19	94.31	19	342.67	19	-155.78	19	14.36	19
108	25	26	Max	194.70					10.77	19			177.81	19		
108	25	26	Max	414.73	869.46	19	-42.91	19	-83.63	19	-387.23	19	-248.19	19	14.36	19
108	25	26	Min.	0.00	1026.06	19	-42.91	19	94.31	19	342.67	19	-155.78	19	14.36	19
108	25	26	Min.	194.70					10.77	19			177.81	19		
108	25	26	Min.	414.73	869.46	19	-42.91	19	-83.63	19	-387.23	19	-248.19	19	14.36	19
108	26	27	Max	0.00	121.55	19	-294.95	19	192.09	19	217.21	19	-153.58	19	60.50	19
108	26	27	Max	115.00	78.13	19	-294.95	19	-147.11	19	14.81	19	-20.17	19	60.50	19
108	26	27	Min.	0.00	121.55	19	-294.95	19	192.09	19	217.21	19	-153.58	19	60.50	19
108	26	27	Min.	115.00	78.13	19	-294.95	19	-147.11	19	14.81	19	-20.17	19	60.50	19
113	120	-714	Max	0.00	0.00	19	-28.22	19	56.41	19	100.94	19	68.67	19	-107.72	19
113	120	-714	Max	9.60					52.67	19			73.51	19		
113	120	-714	Max	58.33	0.00	19	-158.58	19	1.93	19	-512.32	19	-51.32	19	-107.72	19
113	120	-714	Min.	0.00	0.00	19	-28.22	19	56.41	19	100.94	19	68.67	19	-107.72	19
113	120	-714	Min.	9.60					52.67	19			73.51	19		
113	120	-714	Min.	58.33	0.00	19	-158.58	19	1.93	19	-512.32	19	-51.32	19	-107.72	19
113	-714	-715	Max	0.00	0.00	19	7.00	19	13.38	19	178.52	19	10.54	19	-8.21	19
113	-714	-715	Max	16.98					11.35	19			25.69	19		
113	-714	-715	Max	58.33	0.00	19	-123.35	19	-20.55	19	-434.75	19	-64.20	19	-8.21	19
113	-714	-715	Min.	0.00	0.00	19	7.00	19	13.38	19	178.52	19	10.54	19	-8.21	19
113	-714	-715	Min.	3.13					13.49	19			15.61	19		
113	-714	-715	Min.	58.33	0.00	19	-123.35	19	-20.55	19	-434.75	19	-64.20	19	-8.21	19
113	-715	121	Max	0.00	0.00	19	-123.56	19	-53.69	19	-109.01	19	-19.58	19	16.90	19
113	-715	121	Max	58.33	0.00	19	-253.91	19	-163.79	19	-722.28	19	-262.04	19	16.90	19

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113	-715	121	Min.	0.00	0.00	19	-123.56	19	-53.69	19	-109.01	19	-19.58	19	16.90	19
113	-715	121	Min.	58.33	0.00	19	-253.91	19	-163.79	19	-722.28	19	-262.04	19	16.90	19
113	121	105	Max	0.00	0.00	19	228.65	19	125.34	19	1673.49	19	-472.68	19	59.60	19
113	121	105	Max	116.80					184.67	19			504.63	19		
113	121	105	Max	256.00	0.00	19	-551.00	19	-287.27	19	-1994.46	19	-883.52	19	59.60	19
113	121	105	Min.	0.00	0.00	19	228.65	19	125.34	19	1673.49	19	-472.68	19	59.60	19
113	121	105	Min.	75.08					211.17	19			379.93	19		
113	121	105	Min.	256.00	0.00	19	-551.00	19	-287.27	19	-1994.46	19	-883.52	19	59.60	19
113	105	110	Max	0.00	0.00	19	407.12	19	-315.79	19	1875.67	19	-964.63	19	19.05	19
113	105	110	Max	130.91					-43.78	19			263.09	19		
113	105	110	Max	255.00	0.00	19	-369.48	19	-267.79	19	-1777.95	19	-840.03	19	19.05	19
113	105	110	Min.	0.00	0.00	19	407.12	19	-315.79	19	1875.67	19	-964.63	19	19.05	19
113	105	110	Min.	133.68					-43.67	19			262.54	19		
113	105	110	Min.	255.00	0.00	19	-369.48	19	-267.79	19	-1777.95	19	-840.03	19	19.05	19
113	110	118	Max	0.00	0.00	19	856.63	19	-802.64	19	2920.93	19	-2077.79	19	-15.40	19
113	110	118	Max	203.86					310.86	19			899.56	19		
113	110	118	Max	354.00	-0.00	19	-221.48	19	321.58	19	-2151.16	19	-715.29	19	-15.40	19
113	110	118	Min.	0.00	0.00	19	856.63	19	-802.64	19	2920.93	19	-2077.79	19	-15.40	19
113	110	118	Min.	281.28					402.12	19			470.22	19		
113	110	118	Min.	354.00	-0.00	19	-221.48	19	321.58	19	-2151.16	19	-715.29	19	-15.40	19
113	118	25	Max	0.00	0.00	19	843.75	19	-845.54	19	1646.87	19	-1159.25	19	155.78	19
113	118	25	Max	115.00	0.00	19	586.77	19	-22.99	19	437.86	19	39.47	19	155.78	19
113	118	25	Min.	0.00	0.00	19	843.75	19	-845.54	19	1646.87	19	-1159.25	19	155.78	19
113	118	25	Min.	115.00	0.00	19	586.77	19	-22.99	19	437.86	19	39.47	19	155.78	19
115	-1424	104	Max	0.00	0.00	19	919.09	19	-969.13	19	-368.85	19	1017.75	19	9.45	19
115	-1424	104	Max	150.00	0.00	19	1388.29	19	761.40	19	-2576.27	19	-1191.09	19	9.45	19
115	-1424	104	Min.	0.00	0.00	19	919.09	19	-969.13	19	-368.85	19	1017.75	19	9.45	19
115	-1424	104	Min.	150.00	0.00	19	1388.29	19	761.40	19	-2576.27	19	-1191.09	19	9.45	19
115	106	-1424	Max	50.00	-0.00	19	-1273.89	19	821.11	19	2718.05	19	-1402.15	19	9.45	19
115	106	-1424	Max	234.80					-998.90	19			1107.94	19		
115	106	-1424	Max	281.00	-0.00	19	-551.31	19	-1286.99	19	-681.39	19	950.19	19	9.45	19
115	106	-1424	Min.	50.00	-0.00	19	-1273.89	19	821.11	19	2718.05	19	-1402.15	19	9.45	19
115	106	-1424	Min.	234.80					-998.90	19			1107.94	19		
115	106	-1424	Min.	281.00	-0.00	19	-551.31	19	-1286.99	19	-681.39	19	950.19	19	9.45	19
115	111	106	Max	50.00	0.00	19	54.12	19	-116.21	19	1150.06	19	-246.63	19	3.70	19
115	111	106	Max	128.15					21.61	19			202.76	19		
115	111	106	Max	280.00	0.00	19	773.57	19	835.64	19	-2234.66	19	-1493.91	19	3.70	19
115	111	106	Min.	50.00	0.00	19	54.12	19	-116.21	19	1150.06	19	-246.63	19	3.70	19
115	111	106	Min.	128.15					21.61	19			202.76	19		
115	111	106	Min.	280.00	0.00	19	773.57	19	835.64	19	-2234.66	19	-1493.91	19	3.70	19
115	119	111	Max	25.00	0.00	19	-180.94	19	-399.16	19	2157.04	19	-656.59	19	16.64	19
115	119	111	Max	171.58					-328.36	19			924.25	19		
115	119	111	Max	379.00	-0.00	19	926.38	19	920.26	19	-3052.49	19	-2241.54	19	16.64	19
115	119	111	Min.	25.00	0.00	19	-180.94	19	-399.16	19	2157.04	19	-656.59	19	16.64	19
115	119	111	Min.	171.58					-328.36	19			924.25	19		
115	119	111	Min.	379.00	-0.00	19	926.38	19	920.26	19	-3052.49	19	-2241.54	19	16.64	19
115	26	119	Max	0.00	0.00	19	615.53	19	-45.74	19	-312.96	19	95.53	19	-94.62	19
115	26	119	Max	115.00	-0.00	19	975.25	19	868.96	19	-2005.32	19	-1237.48	19	-94.62	19
115	26	119	Min.	0.00	0.00	19	615.53	19	-45.74	19	-312.96	19	95.53	19	-94.62	19
115	26	119	Min.	115.00	-0.00	19	975.25	19	868.96	19	-2005.32	19	-1237.48	19	-94.62	19
116	22	21	Max	0.00	0.00	19	-96.57	19	58.76	19	435.42	19	-287.06	19	10.30	19
116	22	21	Max	247.30					-65.62	19			251.34	19		
116	22	21	Max	456.00	-0.00	19	74.09	19	7.49	19	-367.45	19	-132.08	19	10.30	19
116	22	21	Min.	0.00	0.00	19	-96.57	19	58.76	19	435.42	19	-287.06	19	10.30	19
116	22	21	Min.	247.30					-65.62	19			251.34	19		
116	22	21	Min.	456.00	-0.00	19	74.09	19	7.49	19	-367.45	19	-132.08	19	10.30	19
116	23	22	Max	0.00	0.00	19	-41.16	19	51.18	19	212.32	19	-195.01	19	-2.70	19
116	23	22	Max	120.59					28.75	19			-66.99	19		
116	23	22	Max	280.00	-0.00	19	63.62	19	82.62	19	-280.67	19	-290.70	19	-2.70	19
116	23	22	Min.	0.00	0.00	19	-41.16	19	51.18	19	212.32	19	-195.01	19	-2.70	19
116	23	22	Min.	120.59					28.75	19			-66.99	19		
116	23	22	Min.	280.00	-0.00	19	63.62	19	82.62	19	-280.67	19	-290.70	19	-2.70	19
116	24	23	Max	0.00	0.00	19	-42.69	19	-21.74	19	248.16	19	-9.47	19	-8.49	19
116	24	23	Max	140.94					-44.74	19			165.42	19		
116	24	23	Max	379.00	-0.00	19	99.15	19	85.24	19	-419.14	19	-333.47	19	-8.49	19
116	24	23	Min.	0.00	0.00	19	-42.69	19	-21.74	19	248.16	19	-9.47	19	-8.49	19
116	24	23	Min.	140.94					-44.74	19			165.42	19		
116	24	23	Min.	379.00	-0.00	19	99.15	19	85.24	19	-419.14	19	-333.47	19	-8.49	19
116	27	24	Max	0.00	0.00	19	0.33	19	7.49	19	31.63	19	-27.34	19	-20.17	19
116	27	24	Max	17.97					8.15	19			-24.49	19		
116	27	24	Max	115.00	-0.00	19	43.37	19	32.61	19	-170.84	19	-107.38	19	-20.17	19
116	27	24	Min.	0.00	0.00	19	0.33	19	7.49	19	31.63	19	-27.34	19	-20.17	19
116	27	24	Min.	17.97					8.15	19			-24.49	19		
116	27	24	Min.	115.00	-0.00	19	43.37	19	32.61	19	-170.84	19	-107.38	19	-20.17	19
201	-741	229	Max	0.00	-1041.58	19	-833.24	19	456.05	19	-135.52	19	-24.64	19	49.37	19
201	-741	229	Max	123.84	-917.39	19	-833.24	19	-575.87	19	-485.68	19	-409.30	19	49.37	19
201	-741	229	Min.	0.00	-1041.58	19	-833.24	19	456.05	19	-135.52	19	-24.64	19	49.37	19
201	-741	229	Min.	123.84	-917.39	19	-833.24	19	-575.87	19	-485.68	19	-409.30	19	49.37	19
201	229	226	Max	0.00	-70.41	19	-166.17	19	338.11	19	585.19	19	-323.62	19	45.02	19

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201	229	226	Max	206.97					-5.81	19			281.95	19		
201	229	226	Max	472.69	403.59	19	-166.17	19	-447.37	19	-751.31	19	-716.25	19	45.02	19
201	229	226	Min.	0.00	-70.41	19	-166.17	19	338.11	19	585.19	19	-323.62	19	45.02	19
201	229	226	Min.	206.97					-5.81	19			281.95	19		
201	229	226	Min.	472.69	403.59	19	-166.17	19	-447.37	19	-751.31	19	-716.25	19	45.02	19
201	36	226	Max	0.00	-1435.57	19	211.35	19	-357.29	19	586.30	19	-350.45	19	-53.97	19
201	36	226	Max	204.43					74.77	19			248.83	19		
201	36	226	Max	391.75	-1090.73	19	211.35	19	470.67	19	-537.23	19	-254.35	19	-53.97	19
201	36	226	Min.	0.00	-1435.57	19	211.35	19	-357.29	19	586.30	19	-350.45	19	-53.97	19
201	36	226	Min.	204.43					74.77	19			248.83	19		
201	36	226	Min.	391.75	-1090.73	19	211.35	19	470.67	19	-537.23	19	-254.35	19	-53.97	19
201	224	36	Max	0.00	3743.24	19	-3836.58	19	1062.93	19	-171.14	19	-259.50	19	232.25	19
201	224	36	Max	40.00	3701.41	19	-3836.58	19	-471.70	19	-283.61	19	-350.45	19	232.25	19
201	224	36	Min.	0.00	3743.24	19	-3836.58	19	1062.93	19	-171.14	19	-259.50	19	232.25	19
201	224	36	Min.	40.00	3701.41	19	-3836.58	19	-471.70	19	-283.61	19	-350.45	19	232.25	19
201	225	224	Max	0.00	854.52	19	-233.28	19	459.76	19	527.71	19	-283.56	19	-1.53	19
201	225	224	Max	187.68					21.94	19			211.63	19		
201	225	224	Max	395.83	440.52	19	-233.28	19	-463.66	19	-585.30	19	-397.54	19	-1.53	19
201	225	224	Min.	0.00	854.52	19	-233.28	19	459.76	19	527.71	19	-283.56	19	-1.53	19
201	225	224	Min.	187.68					21.94	19			211.63	19		
201	225	224	Min.	395.83	440.52	19	-233.28	19	-463.66	19	-585.30	19	-397.54	19	-1.53	19
201	-738	225	Max	0.00	1405.90	19	-1440.52	19	930.49	19	47.17	19	-33.91	19	-34.09	19
201	-738	225	Max	16.91					686.85	19			-29.92	19		
201	-738	225	Max	135.60	1256.05	19	-1440.52	19	-1022.89	19	-331.03	19	-226.37	19	-34.09	19
201	-738	225	Min.	0.00	1405.90	19	-1440.52	19	930.49	19	47.17	19	-33.91	19	-34.09	19
201	-738	225	Min.	16.91					686.85	19			-29.92	19		
201	-738	225	Min.	135.60	1256.05	19	-1440.52	19	-1022.89	19	-331.03	19	-226.37	19	-34.09	19
202	-698	201	Max	0.00	2983.51	19	258.90	19	-192.75	19	121.56	19	10.44	19	19.90	19
202	-698	201	Max	7.25					-173.99	19			14.84	19		
202	-698	201	Max	123.84	3720.17	19	258.90	19	127.88	19	-1955.56	19	-1125.21	19	19.90	19
202	-698	201	Min.	0.00	2983.51	19	258.90	19	-192.75	19	121.56	19	10.44	19	19.90	19
202	-698	201	Min.	7.25					-173.99	19			14.84	19		
202	-698	201	Min.	123.84	3720.17	19	258.90	19	127.88	19	-1955.56	19	-1125.21	19	19.90	19
202	201	202	Max	61.26	4730.43	19	6.62	19	-27.41	19	2547.04	19	-943.93	19	10.19	19
202	201	202	Max	213.12					-17.36	19			990.04	19		
202	201	202	Max	393.78	6708.18	19	6.62	19	-5.40	19	-3029.98	19	-1746.84	19	10.19	19
202	201	202	Min.	61.26	4730.43	19	6.62	19	-27.41	19	2547.04	19	-943.93	19	10.19	19
202	201	202	Min.	213.12					-17.36	19			990.04	19		
202	201	202	Min.	393.78	6708.18	19	6.62	19	-5.40	19	-3029.98	19	-1746.84	19	10.19	19
202	202	219	Max	16.49	-13752.10	19	-1034.21	19	-185.56	19	2346.30	19	-2036.05	19	204.08	19
202	202	219	Max	48.28	-13562.90	19	-1034.21	19	-514.33	19	1813.17	19	-1374.91	19	204.08	19
202	202	219	Min.	16.49	-13752.10	19	-1034.21	19	-185.56	19	2346.30	19	-2036.05	19	204.08	19
202	202	219	Min.	48.28	-13562.90	19	-1034.21	19	-514.33	19	1813.17	19	-1374.91	19	204.08	19
202	219	31	Max	0.00	1858.17	19	-14.60	19	-44.93	19	3374.66	19	-1988.77	19	-52.13	19
202	219	31	Max	198.27					-73.88	19			1356.74	19		
202	219	31	Max	391.75	-188.30	19	-14.60	19	-102.14	19	-3293.08	19	-1828.98	19	-52.13	19
202	219	31	Min.	0.00	1858.17	19	-14.60	19	-44.93	19	3374.66	19	-1988.77	19	-52.13	19
202	219	31	Min.	198.27					-73.88	19			1356.74	19		
202	219	31	Min.	391.75	-188.30	19	-14.60	19	-102.14	19	-3293.08	19	-1828.98	19	-52.13	19
202	31	203	Max	0.00	18863.30	19	2760.26	19	-248.49	19	3234.72	19	-1828.99	19	-177.58	19
202	31	203	Max	40.00	18913.50	19	2760.26	19	855.61	19	3099.75	19	-562.10	19	-177.58	19
202	31	203	Min.	0.00	18863.30	19	2760.26	19	-248.49	19	3234.72	19	-1828.99	19	-177.58	19
202	31	203	Min.	40.00	18913.50	19	2760.26	19	855.61	19	3099.75	19	-562.10	19	-177.58	19
202	203	221	Max	12.00	2218.08	19	-10.87	19	-154.47	19	677.50	19	-476.86	19	102.50	19
202	203	221	Max	212.79					-176.30	19			203.31	19		
202	203	221	Max	395.83	2699.82	19	-10.87	19	-196.21	19	-617.62	19	-361.96	19	102.50	19
202	203	221	Min.	12.00	2218.08	19	-10.87	19	-154.47	19	677.50	19	-476.86	19	102.50	19
202	203	221	Min.	212.79					-176.30	19			203.31	19		
202	203	221	Min.	395.83	2699.82	19	-10.87	19	-196.21	19	-617.62	19	-361.96	19	102.50	19
202	221	-730	Max	23.24	-5309.31	19	-1120.06	19	987.87	19	540.70	19	-365.87	19	-211.24	19
202	221	-730	Max	135.60	-5160.31	19	-1120.06	19	-270.63	19	164.65	19	30.40	19	-211.24	19
202	221	-730	Min.	23.24	-5309.31	19	-1120.06	19	987.87	19	540.70	19	-365.87	19	-211.24	19
202	221	-730	Min.	135.60	-5160.31	19	-1120.06	19	-270.63	19	164.65	19	30.40	19	-211.24	19
203	-742	-716	Max	0.00	-899.60	19	-6118.65	19	987.09	19	-409.20	19	0.00	19	367.16	19
203	-742	-716	Max	40.00	-874.50	19	-6118.65	19	-1460.37	19	-476.68	19	-177.18	19	367.16	19
203	-742	-716	Min.	0.00	-899.60	19	-6118.65	19	987.09	19	-409.20	19	0.00	19	367.16	19
203	-742	-716	Min.	40.00	-874.50	19	-6118.65	19	-1460.37	19	-476.68	19	-177.18	19	367.16	19
203	-716	223	Max	0.00	-2736.13	19	-111.94	19	272.92	19	348.00	19	-235.50	19	-79.72	19
203	-716	223	Max	206.28					42.02	19			123.42	19		
203	-716	223	Max	395.83	-2487.73	19	-111.94	19	-170.17	19	-319.80	19	-179.67	19	-79.72	19
203	-716	223	Min.	0.00	-2736.13	19	-111.94	19	272.92	19	348.00	19	-235.50	19	-79.72	19
203	-716	223	Min.	206.28					42.02	19			123.42	19		
203	-716	223	Min.	395.83	-2487.73	19	-111.94	19	-170.17	19	-319.80	19	-179.67	19	-79.72	19
203	223	-731	Max	23.24	-4235.28	19	-665.79	19	303.94	19	256.56	19	-175.09	19	79.60	19
203	223	-731	Max	135.60	-4160.78	19	-665.79	19	-444.15	19	68.54	19	7.55	19	79.60	19
203	223	-731	Min.	23.24	-4235.28	19	-665.79	19	303.94	19	256.56	19	-175.09	19	79.60	19
203	223	-731	Min.	135.60	-4160.78	19	-665.79	19	-444.15	19	68.54	19	7.55	19	79.60	19
204	-699	207	Max	0.00	1223.49	19	-216.66	19	255.26	19	-460.89	19	16.78	19	-99.78	19
204	-699	207	Max	123.84	1984.74	19	-216.66	19	-13.07	19	-2607.33	19	-1883.13	19	-99.78	19

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204	-699	207	Min.	0.00	1223.49	19	-216.66	19	255.26	19	-460.89	19	16.78	19	-99.78	19
204	-699	207	Min.	123.84	1984.74	19	-216.66	19	-13.07	19	-2607.33	19	-1883.13	19	-99.78	19
204	207	-722	Max	23.56	5510.00	19	-4.82	19	-10.67	19	3404.35	19	-1814.21	19	17.13	19
204	207	-722	Max	219.98					-20.14	19			1529.24	19		
204	207	-722	Max	447.93	8118.55	19	-4.82	19	-31.13	19	-3950.77	19	-2973.65	19	17.13	19
204	207	-722	Min.	23.56	5510.00	19	-4.82	19	-10.67	19	3404.35	19	-1814.21	19	17.13	19
204	207	-722	Min.	219.98					-20.14	19			1529.24	19		
204	207	-722	Min.	447.93	8118.55	19	-4.82	19	-31.13	19	-3950.77	19	-2973.65	19	17.13	19
204	-722	208	Max	0.00	3004.58	19	-4325.76	19	65.40	19	-5764.57	19	-2973.65	19	51.36	19
204	-722	208	Max	1.19	3011.91	19	-4325.76	19	13.81	19	-5785.24	19	-3042.53	19	51.36	19
204	-722	208	Min.	0.00	3004.58	19	-4325.76	19	65.40	19	-5764.57	19	-2973.65	19	51.36	19
204	-722	208	Min.	1.19	3011.91	19	-4325.76	19	13.81	19	-5785.24	19	-3042.53	19	51.36	19
204	208	32	Max	0.00	10818.80	19	22.24	19	-54.18	19	4328.22	19	-3459.25	19	-10.11	19
204	208	32	Max	246.08					0.55	19			1866.20	19		
204	208	32	Max	391.75	8703.96	19	22.24	19	32.94	19	-2562.18	19	0.01	19	-10.11	19
204	208	32	Min.	0.00	10818.80	19	22.24	19	-54.18	19	4328.22	19	-3459.25	19	-10.11	19
204	208	32	Min.	246.08					0.55	19			1866.20	19		
204	208	32	Min.	391.75	8703.96	19	22.24	19	32.94	19	-2562.18	19	0.01	19	-10.11	19
205	-743	-717	Max	0.00	-1125.44	19	209.01	19	-33.72	19	-535.62	19	0.00	19	-12.54	19
205	-743	-717	Max	40.00	-1100.33	19	209.01	19	49.88	19	-603.11	19	-227.75	19	-12.54	19
205	-743	-717	Min.	0.00	-1125.44	19	209.01	19	-33.72	19	-535.62	19	0.00	19	-12.54	19
205	-743	-717	Min.	40.00	-1100.33	19	209.01	19	49.88	19	-603.11	19	-227.75	19	-12.54	19
205	-717	210	Max	0.00	-4168.46	19	18.46	19	-28.49	19	352.46	19	-245.00	19	-12.48	19
205	-717	210	Max	208.92					10.08	19			123.17	19		
205	-717	210	Max	395.83	-3920.06	19	18.46	19	44.58	19	-315.34	19	-171.54	19	-12.48	19
205	-717	210	Min.	0.00	-4168.46	19	18.46	19	-28.49	19	352.46	19	-245.00	19	-12.48	19
205	-717	210	Min.	208.92					10.08	19			123.17	19		
205	-717	210	Min.	395.83	-3920.06	19	18.46	19	44.58	19	-315.34	19	-171.54	19	-12.48	19
205	210	-732	Max	23.24	-4085.48	19	617.30	19	-275.72	19	219.16	19	-132.28	19	-82.66	19
205	210	-732	Max	135.60	-4010.98	19	617.30	19	417.89	19	31.13	19	8.34	19	-82.66	19
205	210	-732	Min.	23.24	-4085.48	19	617.30	19	-275.72	19	219.16	19	-132.28	19	-82.66	19
205	210	-732	Min.	135.60	-4010.98	19	617.30	19	417.89	19	31.13	19	8.34	19	-82.66	19
206	-700	212	Max	0.00	43.21	19	730.16	19	-547.12	19	-598.97	19	16.91	19	78.27	19
206	-700	212	Max	123.84	618.36	19	730.16	19	357.14	19	-2220.67	19	-1729.07	19	78.27	19
206	-700	212	Min.	0.00	43.21	19	730.16	19	-547.12	19	-598.97	19	16.91	19	78.27	19
206	-700	212	Min.	123.84	618.36	19	730.16	19	357.14	19	-2220.67	19	-1729.07	19	78.27	19
206	212	-723	Max	23.56	6292.27	19	62.88	19	-121.69	19	2505.94	19	-1197.69	19	-8.44	19
206	212	-723	Max	214.93					-1.36	19			1200.11	19		
206	212	-723	Max	447.93	8263.12	19	62.88	19	145.14	19	-3051.11	19	-2354.46	19	-8.44	19
206	212	-723	Min.	23.56	6292.27	19	62.88	19	-121.69	19	2505.94	19	-1197.69	19	-8.44	19
206	212	-723	Min.	214.93					-1.36	19			1200.11	19		
206	212	-723	Min.	447.93	8263.12	19	62.88	19	145.14	19	-3051.11	19	-2354.46	19	-8.44	19
206	-723	213	Max	0.00	2707.68	19	9527.99	19	-145.87	19	-5021.47	19	-2354.45	19	-111.63	19
206	-723	213	Max	1.19	2713.22	19	9527.99	19	-32.22	19	-5037.08	19	-2414.44	19	-111.63	19
206	-723	213	Min.	0.00	2707.68	19	9527.99	19	-145.87	19	-5021.47	19	-2354.45	19	-111.63	19
206	-723	213	Min.	1.19	2713.22	19	9527.99	19	-32.22	19	-5037.08	19	-2414.44	19	-111.63	19
206	213	33	Max	0.00	8385.46	19	-48.98	19	119.33	19	3270.36	19	-2614.85	19	22.27	19
206	213	33	Max	246.11					-1.22	19			1409.43	19		
206	213	33	Max	391.75	6787.69	19	-48.98	19	-72.56	19	-1935.41	19	0.01	19	22.27	19
206	213	33	Min.	0.00	8385.46	19	-48.98	19	119.33	19	3270.36	19	-2614.85	19	22.27	19
206	213	33	Min.	246.11					-1.22	19			1409.43	19		
206	213	33	Min.	391.75	6787.69	19	-48.98	19	-72.56	19	-1935.41	19	0.01	19	22.27	19
207	-701	215	Max	0.00	1305.18	19	1856.46	19	-1073.53	19	-206.37	19	10.82	19	-46.65	19
207	-701	215	Max	123.84	1855.74	19	1856.46	19	1225.59	19	-1758.76	19	-1206.03	19	-46.65	19
207	-701	215	Min.	0.00	1305.18	19	1856.46	19	-1073.53	19	-206.37	19	10.82	19	-46.65	19
207	-701	215	Min.	123.84	1855.74	19	1856.46	19	1225.59	19	-1758.76	19	-1206.03	19	-46.65	19
207	215	216	Max	61.26	5005.05	19	348.64	19	-637.17	19	1780.19	19	-457.60	19	41.86	19
207	215	216	Max	203.28					-142.05	19			806.47	19		
207	215	216	Max	393.78	6483.17	19	348.64	19	522.10	19	-2387.95	19	-1468.04	19	41.86	19
207	215	216	Min.	61.26	5005.05	19	348.64	19	-637.17	19	1780.19	19	-457.60	19	41.86	19
207	215	216	Min.	203.28					-142.05	19			806.47	19		
207	215	216	Min.	393.78	6483.17	19	348.64	19	522.10	19	-2387.95	19	-1468.04	19	41.86	19
207	216	220	Max	16.49	-7672.44	19	5043.90	19	346.37	19	1273.63	19	-1289.29	19	-652.84	19
207	216	220	Max	48.28	-7531.01	19	5043.90	19	1949.80	19	875.19	19	-947.75	19	-652.84	19
207	216	220	Min.	16.49	-7672.44	19	5043.90	19	346.37	19	1273.63	19	-1289.29	19	-652.84	19
207	216	220	Min.	48.28	-7531.01	19	5043.90	19	1949.80	19	875.19	19	-947.75	19	-652.84	19
207	220	34	Max	0.00	-1522.98	19	-314.08	19	650.82	19	2509.85	19	-1474.91	19	25.24	19
207	220	34	Max	197.31					31.09	19			1001.24	19		
207	220	34	Max	391.75	-3052.41	19	-314.08	19	-579.61	19	-2473.25	19	-1403.23	19	25.24	19
207	220	34	Min.	0.00	-1522.98	19	-314.08	19	650.82	19	2509.85	19	-1474.91	19	25.24	19
207	220	34	Min.	197.31					31.09	19			1001.24	19		
207	220	34	Min.	391.75	-3052.41	19	-314.08	19	-579.61	19	-2473.25	19	-1403.23	19	25.24	19
207	34	217	Max	0.00	12359.40	19	5929.77	19	-562.27	19	957.85	19	-1403.24	19	-364.85	19
207	34	217	Max	40.00	12409.60	19	5929.77	19	1809.63	19	822.88	19	-1047.09	19	-364.85	19
207	34	217	Min.	0.00	12359.40	19	5929.77	19	-562.27	19	957.85	19	-1403.24	19	-364.85	19
207	34	217	Min.	40.00	12409.60	19	5929.77	19	1809.63	19	822.88	19	-1047.09	19	-364.85	19
207	217	218	Max	12.00	-5153.15	19	323.76	19	-752.26	19	588.62	19	-334.86	19	101.92	19
207	217	218	Max	186.45					-187.45	19			178.58	19		
207	217	218	Max	365.37	-4709.64	19	323.76	19	391.84	19	-603.72	19	-361.52	19	101.92	19

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207	217	218	Min.	12.00	-5153.15	19	323.76	19	-752.26	19	588.62	19	-334.86	19	101.92	19
207	217	218	Min.	186.45					-187.45	19			178.58	19		
207	217	218	Min.	365.37	-4709.64	19	323.76	19	391.84	19	-603.72	19	-361.52	19	101.92	19
207	218	-733	Max	30.21	-5044.31	19	479.96	19	-180.16	19	108.22	19	63.94	19	-31.99	19
207	218	-733	Max	62.55					-24.97	19			81.44	19		
207	218	-733	Max	135.60	-4904.55	19	479.96	19	325.66	19	-244.50	19	-7.87	19	-31.99	19
207	218	-733	Min.	30.21	-5044.31	19	479.96	19	-180.16	19	108.22	19	63.94	19	-31.99	19
207	218	-733	Min.	62.55					-24.97	19			81.44	19		
207	218	-733	Min.	135.60	-4904.55	19	479.96	19	325.66	19	-244.50	19	-7.87	19	-31.99	19
208	228	-740	Max	0.00	-1255.43	19	1265.67	19	-833.38	19	527.17	19	-466.34	19	-40.91	19
208	228	-740	Max	123.84	-1379.62	19	1265.67	19	734.07	19	177.00	19	-30.30	19	-40.91	19
208	228	-740	Min.	0.00	-1255.43	19	1265.67	19	-833.38	19	527.17	19	-466.34	19	-40.91	19
208	228	-740	Min.	123.84	-1379.62	19	1265.67	19	734.07	19	177.00	19	-30.30	19	-40.91	19
208	227	228	Max	0.00	512.91	19	216.39	19	-576.01	19	739.25	19	-664.92	19	-53.23	19
208	227	228	Max	261.45					-10.27	19			301.47	19		
208	227	228	Max	472.69	38.91	19	216.39	19	446.82	19	-597.25	19	-329.33	19	-53.23	19
208	227	228	Min.	0.00	512.91	19	216.39	19	-576.01	19	739.25	19	-664.92	19	-53.23	19
208	227	228	Min.	261.45					-10.27	19			301.47	19		
208	227	228	Min.	472.69	38.91	19	216.39	19	446.82	19	-597.25	19	-329.33	19	-53.23	19
208	35	227	Max	0.00	-1636.81	19	-278.94	19	482.04	19	562.67	19	-326.81	19	61.27	19
208	35	227	Max	196.19					-65.22	19			225.14	19		
208	35	227	Max	391.75	-1291.98	19	-278.94	19	-610.73	19	-560.86	19	-323.28	19	61.27	19
208	35	227	Min.	0.00	-1636.81	19	-278.94	19	482.04	19	562.67	19	-326.81	19	61.27	19
208	35	227	Min.	196.19					-65.22	19			225.14	19		
208	35	227	Min.	391.75	-1291.98	19	-278.94	19	-610.73	19	-560.86	19	-323.28	19	61.27	19
208	28	35	Max	0.00	2898.80	19	5544.76	19	-1541.64	19	181.86	19	-377.06	19	-339.95	19
208	28	35	Max	40.00	2856.96	19	5544.76	19	676.26	19	69.39	19	-326.81	19	-339.95	19
208	28	35	Min.	0.00	2898.80	19	5544.76	19	-1541.64	19	181.86	19	-377.06	19	-339.95	19
208	28	35	Min.	40.00	2856.96	19	5544.76	19	676.26	19	69.39	19	-326.81	19	-339.95	19
208	29	28	Max	0.00	898.14	19	284.82	19	-524.36	19	551.84	19	-332.24	19	30.91	19
208	29	28	Max	196.26					34.63	19			209.29	19		
208	29	28	Max	395.83	484.14	19	284.82	19	603.05	19	-561.16	19	-350.68	19	30.91	19
208	29	28	Min.	0.00	898.14	19	284.82	19	-524.36	19	551.84	19	-332.24	19	30.91	19
208	29	28	Min.	196.26					34.63	19			209.29	19		
208	29	28	Min.	395.83	484.14	19	284.82	19	603.05	19	-561.16	19	-350.68	19	30.91	19
208	-739	29	Max	0.00	814.89	19	1312.71	19	-810.64	19	56.69	19	-4.50	19	58.57	19
208	-739	29	Max	20.33					-543.82	19			1.26	19		
208	-739	29	Max	135.60	665.04	19	1312.71	19	969.42	19	-321.51	19	-184.06	19	58.57	19
208	-739	29	Min.	0.00	814.89	19	1312.71	19	-810.64	19	56.69	19	-4.50	19	58.57	19
208	-739	29	Min.	20.33					-543.82	19			1.26	19		
208	-739	29	Min.	135.60	665.04	19	1312.71	19	969.42	19	-321.51	19	-184.06	19	58.57	19
209	-698	-741	Max	0.00	0.00	19	190.37	19	-126.23	19	385.57	19	-237.77	19	-24.64	19
209	-698	-741	Max	115.00	0.00	19	119.58	19	51.99	19	191.05	19	93.79	19	-24.64	19
209	-698	-741	Min.	0.00	0.00	19	190.37	19	-126.23	19	385.57	19	-237.77	19	-24.64	19
209	-698	-741	Min.	115.00	0.00	19	119.58	19	51.99	19	191.05	19	93.79	19	-24.64	19
209	-699	-698	Max	0.00	0.00	19	174.77	19	-168.17	19	469.05	19	-438.94	19	-14.21	19
209	-699	-698	Max	277.31					79.78	19			211.40	19		
209	-699	-698	Max	531.00	0.00	19	-152.13	19	-108.05	19	-429.11	19	-332.91	19	-14.21	19
209	-699	-698	Min.	0.00	0.00	19	174.77	19	-168.17	19	469.05	19	-438.94	19	-14.21	19
209	-699	-698	Min.	283.89					79.91	19			211.04	19		
209	-699	-698	Min.	531.00	0.00	19	-152.13	19	-108.05	19	-429.11	19	-332.91	19	-14.21	19
209	-700	-699	Max	0.00	0.00	19	51.60	19	-10.23	19	179.58	19	-60.88	19	2.57	19
209	-700	-699	Max	106.17					9.85	19			34.45	19		
209	-700	-699	Max	294.00	0.00	19	-129.40	19	-124.60	19	-317.71	19	-263.93	19	2.57	19
209	-700	-699	Min.	0.00	0.00	19	51.60	19	-10.23	19	179.58	19	-60.88	19	2.57	19
209	-700	-699	Min.	83.81					11.39	19			30.22	19		
209	-700	-699	Min.	294.00	0.00	19	-129.40	19	-124.60	19	-317.71	19	-263.93	19	2.57	19
209	-701	-700	Max	0.00	0.00	19	23.84	19	51.50	19	129.07	19	49.55	19	19.48	19
209	-701	-700	Max	76.31					51.77	19			98.80	19		
209	-701	-700	Max	290.00	0.00	19	-154.69	19	-138.23	19	-361.45	19	-287.40	19	19.48	19
209	-701	-700	Min.	0.00	0.00	19	23.84	19	51.50	19	129.07	19	49.55	19	19.48	19
209	-701	-700	Min.	38.73					56.12	19			86.85	19		
209	-701	-700	Min.	290.00	0.00	19	-154.69	19	-138.23	19	-361.45	19	-287.40	19	19.48	19
209	-740	-701	Max	0.00	0.00	19	-154.93	19	101.60	19	-256.83	19	183.11	19	30.30	19
209	-740	-701	Max	115.00	0.00	19	-225.73	19	-117.28	19	-451.34	19	-224.09	19	30.30	19
209	-740	-701	Min.	0.00	0.00	19	-154.93	19	101.60	19	-256.83	19	183.11	19	30.30	19
209	-740	-701	Min.	115.00	0.00	19	-225.73	19	-117.28	19	-451.34	19	-224.09	19	30.30	19
210	201	229	Max	0.00	0.00	19	846.08	19	-649.68	19	831.96	19	-533.85	19	85.69	19
210	201	229	Max	115.00	0.00	19	728.09	19	255.47	19	507.77	19	236.49	19	85.69	19
210	201	229	Min.	0.00	0.00	19	846.08	19	-649.68	19	831.96	19	-533.85	19	85.69	19
210	201	229	Min.	115.00	0.00	19	728.09	19	255.47	19	507.77	19	236.49	19	85.69	19
210	-1425	201	Max	0.00	0.00	19	-246.97	19	288.97	19	-29.29	19	171.34	19	107.20	19
210	-1425	201	Max	150.00	0.00	19	-400.87	19	-196.91	19	-452.15	19	-189.74	19	107.20	19
210	-1425	201	Min.	0.00	0.00	19	-246.97	19	288.97	19	-29.29	19	171.34	19	107.20	19
210	-1425	201	Min.	150.00	0.00	19	-400.87	19	-196.91	19	-452.15	19	-189.74	19	107.20	19
210	207	-1425	Max	65.00	0.00	19	497.63	19	-587.26	19	628.73	19	-514.68	19	107.20	19
210	207	-1425	Max	288.03					267.41	19			186.44	19		
210	207	-1425	Max	356.00	0.00	19	199.05	19	426.41	19	-191.62	19	121.31	19	107.20	19
210	207	-1425	Min.	65.00	0.00	19	497.63	19	-587.26	19	628.73	19	-514.68	19	107.20	19

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210	207	-1425	Min.	288.03					267.41	19			186.44	19		
210	207	-1425	Min.	356.00	0.00	19	199.05	19	426.41	19	-191.62	19	121.31	19	107.20	19
210	212	207	Max	0.00	0.00	19	-14.50	19	155.45	19	303.71	19	-48.99	19	-6.23	19
210	212	207	Max	107.73					80.29	19			114.61	19		
210	212	207	Max	294.00	0.00	19	-316.16	19	-330.61	19	-525.10	19	-374.44	19	-6.23	19
210	212	207	Min.	0.00	0.00	19	-14.50	19	155.45	19	303.71	19	-48.99	19	-6.23	19
210	212	207	Min.	107.73					80.29	19			114.61	19		
210	212	207	Min.	294.00	0.00	19	-316.16	19	-330.61	19	-525.10	19	-374.44	19	-6.23	19
210	215	212	Max	25.00	0.00	19	-635.00	19	654.08	19	-224.96	19	390.24	19	-172.88	19
210	215	212	Max	225.00	0.00	19	-840.21	19	-821.13	19	-788.77	19	-623.49	19	-172.88	19
210	215	212	Min.	25.00	0.00	19	-635.00	19	654.08	19	-224.96	19	390.24	19	-172.88	19
210	215	212	Min.	225.00	0.00	19	-840.21	19	-821.13	19	-788.77	19	-623.49	19	-172.88	19
210	228	215	Max	0.00	0.00	19	-641.32	19	380.27	19	-433.93	19	304.62	19	-137.01	19
210	228	215	Max	115.00	0.00	19	-759.32	19	-425.09	19	-758.12	19	-380.81	19	-137.01	19
210	228	215	Min.	0.00	0.00	19	-641.32	19	380.27	19	-433.93	19	304.62	19	-137.01	19
210	228	215	Min.	115.00	0.00	19	-759.32	19	-425.09	19	-758.12	19	-380.81	19	-137.01	19
211	219	226	Max	0.00	0.00	19	0.00	19	0.00	19	1519.55	19	-1088.10	19	461.90	19
211	219	226	Max	115.00	0.00	19	0.00	19	0.00	19	1036.56	19	381.66	19	461.90	19
211	219	226	Min.	0.00	0.00	19	0.00	19	0.00	19	1519.55	19	-1088.10	19	461.90	19
211	219	226	Min.	115.00	0.00	19	0.00	19	0.00	19	1036.56	19	381.66	19	461.90	19
211	208	219	Max	50.00	0.00	19	0.00	19	0.00	19	1065.62	19	-927.78	19	-151.95	19
211	208	219	Max	303.72									424.07	19		
211	208	219	Max	531.00	0.00	19	0.00	19	0.00	19	-954.58	19	-660.72	19	-151.95	19
211	208	219	Min.	50.00	0.00	19	0.00	19	0.00	19	1065.62	19	-927.78	19	-151.95	19
211	208	219	Min.	303.72									424.07	19		
211	208	219	Min.	531.00	0.00	19	0.00	19	0.00	19	-954.58	19	-660.72	19	-151.95	19
211	213	208	Max	0.00	0.00	19	0.00	19	0.00	19	444.07	19	-108.17	19	-3.99	19
211	213	208	Max	105.73									126.59	19		
211	213	208	Max	294.00	0.00	19	0.00	19	0.00	19	-790.73	19	-617.75	19	-3.99	19
211	213	208	Min.	0.00	0.00	19	0.00	19	0.00	19	444.07	19	-108.17	19	-3.99	19
211	213	208	Min.	105.73									126.59	19		
211	213	208	Min.	294.00	0.00	19	0.00	19	0.00	19	-790.73	19	-617.75	19	-3.99	19
211	220	213	Max	0.00	0.00	19	0.00	19	0.00	19	-116.91	19	506.22	19	185.53	19
211	220	213	Max	240.00	0.00	19	0.00	19	0.00	19	-1124.91	19	-983.97	19	185.53	19
211	220	213	Min.	0.00	0.00	19	0.00	19	0.00	19	-116.91	19	506.22	19	185.53	19
211	220	213	Min.	240.00	0.00	19	0.00	19	0.00	19	-1124.91	19	-983.97	19	185.53	19
211	227	220	Max	0.00	0.00	19	0.00	19	0.00	19	-1025.27	19	480.47	19	-341.64	19
211	227	220	Max	115.00	0.00	19	0.00	19	0.00	19	-1508.26	19	-976.31	19	-341.64	19
211	227	220	Min.	0.00	0.00	19	0.00	19	0.00	19	-1025.27	19	480.47	19	-341.64	19
211	227	220	Min.	115.00	0.00	19	0.00	19	0.00	19	-1508.26	19	-976.31	19	-341.64	19
212	203	224	Max	0.00	0.00	19	0.00	19	0.00	19	2957.34	19	-1834.41	19	-138.04	19
212	203	224	Max	115.00	0.00	19	0.00	19	0.00	19	1539.59	19	751.33	19	-138.04	19
212	203	224	Min.	0.00	0.00	19	0.00	19	0.00	19	2957.34	19	-1834.41	19	-138.04	19
212	203	224	Min.	115.00	0.00	19	0.00	19	0.00	19	1539.59	19	751.33	19	-138.04	19
212	-1426	203	Max	0.00	0.00	19	0.00	19	0.00	19	1914.75	19	-223.38	19	64.22	19
212	-1426	203	Max	155.31									1263.56	19		
212	-1426	203	Max	374.80	0.00	19	0.00	19	0.00	19	-2705.88	19	-1705.95	19	64.22	19
212	-1426	203	Min.	0.00	0.00	19	0.00	19	0.00	19	1914.75	19	-223.38	19	64.22	19
212	-1426	203	Min.	155.31									1263.56	19		
212	-1426	203	Min.	374.80	0.00	19	0.00	19	0.00	19	-2705.88	19	-1705.95	19	64.22	19
212	-716	-1426	Max	0.00	0.00	19	0.00	19	0.00	19	2607.59	19	-1494.15	19	64.22	19
212	-716	-1426	Max	56.20	0.00	19	0.00	19	0.00	19	1914.75	19	-223.38	19	64.22	19
212	-716	-1426	Min.	0.00	0.00	19	0.00	19	0.00	19	2607.59	19	-1494.15	19	64.22	19
212	-716	-1426	Min.	56.20	0.00	19	0.00	19	0.00	19	1914.75	19	-223.38	19	64.22	19
212	209	-716	Max	50.00	0.00	19	0.00	19	0.00	19	4337.77	19	-1516.96	19	5.89	19
212	209	-716	Max	75.00	0.00	19	0.00	19	0.00	19	4029.56	19	-471.05	19	5.89	19
212	209	-716	Min.	50.00	0.00	19	0.00	19	0.00	19	4337.77	19	-1516.96	19	5.89	19
212	209	-716	Min.	75.00	0.00	19	0.00	19	0.00	19	4029.56	19	-471.05	19	5.89	19
212	-717	209	Max	0.00	0.00	19	0.00	19	0.00	19	-174.79	19	707.44	19	17.26	19
212	-717	209	Max	205.00	0.00	19	0.00	19	0.00	19	-2702.08	19	-2241.36	19	17.26	19
212	-717	209	Min.	0.00	0.00	19	0.00	19	0.00	19	-174.79	19	707.44	19	17.26	19
212	-717	209	Min.	205.00	0.00	19	0.00	19	0.00	19	-2702.08	19	-2241.36	19	17.26	19
212	214	-717	Max	0.00	0.00	19	0.00	19	0.00	19	2887.67	19	-1401.71	19	0.01	19
212	214	-717	Max	89.00	0.00	19	0.00	19	0.00	19	1790.46	19	680.06	19	0.01	19
212	214	-717	Min.	0.00	0.00	19	0.00	19	0.00	19	2887.67	19	-1401.71	19	0.01	19
212	214	-717	Min.	89.00	0.00	19	0.00	19	0.00	19	1790.46	19	680.06	19	0.01	19
212	217	214	Max	25.00	0.00	19	0.00	19	0.00	19	165.18	19	803.16	19	-30.24	19
212	217	214	Max	38.40									814.23	19		
212	217	214	Max	240.00	0.00	19	0.00	19	0.00	19	-2485.39	19	-1691.06	19	-30.24	19
212	217	214	Min.	25.00	0.00	19	0.00	19	0.00	19	165.18	19	803.16	19	-30.24	19
212	217	214	Min.	38.40									814.23	19		
212	217	214	Min.	240.00	0.00	19	0.00	19	0.00	19	-2485.39	19	-1691.06	19	-30.24	19
212	28	217	Max	0.00	0.00	19	0.00	19	0.00	19	-1538.22	19	1095.30	19	-26.38	19
212	28	217	Max	115.00	0.00	19	0.00	19	0.00	19	-2955.97	19	-1488.86	19	-26.38	19
212	28	217	Min.	0.00	0.00	19	0.00	19	0.00	19	-1538.22	19	1095.30	19	-26.38	19
212	28	217	Min.	115.00	0.00	19	0.00	19	0.00	19	-2955.97	19	-1488.86	19	-26.38	19
213	221	225	Max	0.00	0.00	19	1462.50	19	-833.09	19	1726.18	19	-781.80	19	57.18	19
213	221	225	Max	115.00	0.											

Relazione di calcolo

213	221	225	Min.	115.00	0.00	19	954.70	19	556.80	19	331.03	19	401.10	19	57.18	19
213	-728	221	Max	0.00	0.00	19	177.82	19	-183.68	19	416.90	19	-152.09	19	-18.78	19
213	-728	221	Max	34.36					-148.65	19			-80.46	19		
213	-728	221	Max	58.33	0.00	19	-79.76	19	-155.08	19	-290.79	19	-115.31	19	-18.78	19
213	-728	221	Min.	0.00	0.00	19	177.82	19	-183.68	19	416.90	19	-152.09	19	-18.78	19
213	-728	221	Min.	40.27					-147.88	19			-82.57	19		
213	-728	221	Min.	58.33	0.00	19	-79.76	19	-155.08	19	-290.79	19	-115.31	19	-18.78	19
213	-729	-728	Max	0.00	0.00	19	-17.08	19	-66.36	19	166.25	19	-40.70	19	17.71	19
213	-729	-728	Max	13.70					-72.85	19			-29.31	19		
213	-729	-728	Max	58.33	0.00	19	-274.65	19	-151.45	19	-541.44	19	-150.13	19	17.71	19
213	-729	-728	Min.	0.00	0.00	19	-17.08	19	-66.36	19	166.25	19	-40.70	19	17.71	19
213	-729	-728	Min.	13.70					-72.85	19			-29.31	19		
213	-729	-728	Min.	58.33	0.00	19	-274.65	19	-151.45	19	-541.44	19	-150.13	19	17.71	19
213	222	-729	Max	0.00	0.00	19	329.74	19	-193.05	19	612.29	19	-186.96	19	15.44	19
213	222	-729	Max	50.47					-82.87	19			-32.45	19		
213	222	-729	Max	58.33	0.00	19	72.17	19	-75.83	19	-95.40	19	-36.20	19	15.44	19
213	222	-729	Min.	0.00	0.00	19	329.74	19	-193.05	19	612.29	19	-186.96	19	15.44	19
213	222	-729	Min.	50.47					-82.87	19			-32.45	19		
213	222	-729	Min.	58.33	0.00	19	72.17	19	-75.83	19	-95.40	19	-36.20	19	15.44	19
213	223	222	Max	25.00	0.00	19	851.89	19	-509.39	19	1724.76	19	-809.97	19	11.56	19
213	223	222	Max	167.17					255.50	19			416.06	19		
213	223	222	Max	281.00	0.00	19	-278.50	19	224.55	19	-1380.98	19	-369.93	19	11.56	19
213	223	222	Min.	25.00	0.00	19	851.89	19	-509.39	19	1724.76	19	-809.97	19	11.56	19
213	223	222	Min.	217.93					312.38	19			259.78	19		
213	223	222	Min.	281.00	0.00	19	-278.50	19	224.55	19	-1380.98	19	-369.93	19	11.56	19
213	210	223	Max	25.00	-0.00	19	533.61	19	-349.80	19	1504.01	19	-686.81	19	11.36	19
213	210	223	Max	148.97					-27.59	19			245.47	19		
213	210	223	Max	280.00	-0.00	19	-592.37	19	-424.72	19	-1589.59	19	-795.92	19	11.36	19
213	210	223	Min.	25.00	-0.00	19	533.61	19	-349.80	19	1504.01	19	-686.81	19	11.36	19
213	210	223	Min.	145.85					-27.38	19			244.88	19		
213	210	223	Min.	280.00	-0.00	19	-592.37	19	-424.72	19	-1589.59	19	-795.92	19	11.36	19
213	218	210	Max	25.00	-0.00	19	360.73	19	324.23	19	1847.49	19	-697.26	19	21.86	19
213	218	210	Max	177.28					361.57	19			709.47	19		
213	218	210	Max	379.00	-0.00	19	-1202.39	19	-1165.50	19	-2447.16	19	-1758.68	19	21.86	19
213	218	210	Min.	25.00	-0.00	19	360.73	19	324.23	19	1847.49	19	-697.26	19	21.86	19
213	218	210	Min.	106.69					471.58	19			407.21	19		
213	218	210	Min.	379.00	-0.00	19	-1202.39	19	-1165.50	19	-2447.16	19	-1758.68	19	21.86	19
213	29	218	Max	0.00	0.00	19	-1170.76	19	527.54	19	-514.91	19	409.67	19	-148.17	19
213	29	218	Max	115.00	0.00	19	-1678.55	19	-1110.82	19	-1910.06	19	-984.69	19	-148.17	19
213	29	218	Min.	0.00	0.00	19	-1170.76	19	527.54	19	-514.91	19	409.67	19	-148.17	19
213	29	218	Min.	115.00	0.00	19	-1678.55	19	-1110.82	19	-1910.06	19	-984.69	19	-148.17	19
214	-730	-738	Max	0.00	0.00	19	472.92	19	-293.12	19	955.33	19	-554.30	19	33.91	19
214	-730	-738	Max	115.00	0.00	19	302.69	19	152.85	19	487.61	19	275.38	19	33.91	19
214	-730	-738	Min.	0.00	0.00	19	472.92	19	-293.12	19	955.33	19	-554.30	19	33.91	19
214	-730	-738	Min.	115.00	0.00	19	302.69	19	152.85	19	487.61	19	275.38	19	33.91	19
214	-731	-730	Max	0.00	0.00	19	333.71	19	-223.02	19	920.59	19	-645.80	19	3.51	19
214	-731	-730	Max	226.35					153.12	19			396.08	19		
214	-731	-730	Max	456.00	0.00	19	-341.31	19	-240.35	19	-934.01	19	-676.40	19	3.51	19
214	-731	-730	Min.	0.00	0.00	19	333.71	19	-223.02	19	920.59	19	-645.80	19	3.51	19
214	-731	-730	Min.	225.43					153.13	19			396.06	19		
214	-731	-730	Min.	456.00	0.00	19	-341.31	19	-240.35	19	-934.01	19	-676.40	19	3.51	19
214	-732	-731	Max	0.00	0.00	19	201.67	19	-162.65	19	559.50	19	-381.51	19	-4.04	19
214	-732	-731	Max	137.57					-25.28	19			3.33	19		
214	-732	-731	Max	280.00	0.00	19	-212.81	19	-178.25	19	-579.30	19	-409.23	19	-4.04	19
214	-732	-731	Min.	0.00	0.00	19	201.67	19	-162.65	19	559.50	19	-381.51	19	-4.04	19
214	-732	-731	Min.	136.24					-25.27	19			3.29	19		
214	-732	-731	Min.	280.00	0.00	19	-212.81	19	-178.25	19	-579.30	19	-409.23	19	-4.04	19
214	-733	-732	Max	0.00	0.00	19	234.86	19	-67.34	19	689.97	19	-292.77	19	-12.38	19
214	-733	-732	Max	169.65					118.09	19			292.48	19		
214	-733	-732	Max	379.00	0.00	19	-326.17	19	-240.37	19	-851.47	19	-598.81	19	-12.38	19
214	-733	-732	Min.	0.00	0.00	19	234.86	19	-67.34	19	689.97	19	-292.77	19	-12.38	19
214	-733	-732	Min.	158.66					118.98	19			290.03	19		
214	-733	-732	Min.	379.00	0.00	19	-326.17	19	-240.37	19	-851.47	19	-598.81	19	-12.38	19
214	-739	-733	Max	0.00	0.00	19	-202.77	19	122.07	19	-301.72	19	215.39	19	-4.50	19
214	-739	-733	Max	115.00	0.00	19	-373.00	19	-209.00	19	-769.44	19	-400.52	19	-4.50	19
214	-739	-733	Min.	0.00	0.00	19	-202.77	19	122.07	19	-301.72	19	215.39	19	-4.50	19
214	-739	-733	Min.	115.00	0.00	19	-373.00	19	-209.00	19	-769.44	19	-400.52	19	-4.50	19
504	-734	-735	Max	25.00	0.00	19	0.00	19	0.00	19	1161.26	19	-433.21	19	2.85	19
504	-734	-735	Max	201.31									590.47	19		
504	-734	-735	Max	420.50	0.00	19	0.00	19	0.00	19	-1443.75	19	-991.83	19	2.85	19
504	-734	-735	Min.	25.00	0.00	19	0.00	19	0.00	19	1161.26	19	-433.21	19	2.85	19
504	-734	-735	Min.	201.31									590.47	19		
504	-734	-735	Min.	420.50	0.00	19	0.00	19	0.00	19	-1443.75	19	-991.83	19	2.85	19
506	-736	-737	Max	25.00	0.00	19	0.00	19	0.00	19	1153.19	19	-418.95	19	20.77	19
506	-736	-737	Max	200.08									590.55	19		
506	-736	-737	Max	420.50	0.00	19	0.00	19	0.00	19	-1451.81	19	-1009.48	19	20.77	19
506	-736	-737	Min.	25.00	0.00	19	0.00	19	0.00	19	1153.19	19	-418.95	19	20.77	19
506	-736	-737	Min.	200.08									590.55	19		
506	-736	-737	Min.	420.50	0.00	19	0.00	19	0.00	19	-1451.81	19	-1009.48	19	20.77	19

Relazione di calcolo

510	-734	-736	Max	0.00	0.00	19	0.00	19	0.00	19	373.79	19	-218.89	19	0.90	19
510	-734	-736	Max	162.52									84.84	19		
510	-734	-736	Max	294.00	0.00	19	0.00	19	0.00	19	-302.41	19	-113.97	19	0.90	19
510	-734	-736	Min.	0.00	0.00	19	0.00	19	0.00	19	373.79	19	-218.89	19	0.90	19
510	-734	-736	Min.	162.52									84.84	19		
510	-734	-736	Min.	294.00	0.00	19	0.00	19	0.00	19	-302.41	19	-113.97	19	0.90	19
511	-735	-737	Max	0.00	0.00	19	0.00	19	0.00	19	242.74	19	-168.44	19	1.96	19
511	-735	-737	Max	194.19									67.26	19		
511	-735	-737	Max	294.00	0.00	19	0.00	19	0.00	19	-124.76	19	5.00	19	1.96	19
511	-735	-737	Min.	0.00	0.00	19	0.00	19	0.00	19	242.74	19	-168.44	19	1.96	19
511	-735	-737	Min.	194.19									67.26	19		
511	-735	-737	Min.	294.00	0.00	19	0.00	19	0.00	19	-124.76	19	5.00	19	1.96	19

Tipo di combinazione di carico: SLE Q

Asta	N1	N2		X <cm>	N <daN>	CC	Ty <daN>	CC	Mz <daNm>	CC	Tz <daN>	CC	My <daNm>	CC	Mx <daNm>	CC
1	1	201	Max	0.00	-8332.75	20	-209.28	20	572.07	20	-225.72	20	-646.57	20	-27.59	20
1	1	201	Max	425.45	-6604.38	20	-209.28	20	-318.32	20	-225.72	20	-1606.89	20	-27.59	20
1	1	201	Min.	0.00	-8332.75	20	-209.28	20	572.07	20	-225.72	20	-646.57	20	-27.59	20
1	1	201	Min.	425.45	-6604.38	20	-209.28	20	-318.32	20	-225.72	20	-1606.89	20	-27.59	20
2	2	202	Max	0.00	-14269.00	20	-85.94	20	323.29	20	85.84	20	-209.60	20	-14.43	20
2	2	202	Max	567.23	-12496.40	20	-85.94	20	-164.20	20	85.84	20	277.31	20	-14.43	20
2	2	202	Min.	0.00	-14269.00	20	-85.94	20	323.29	20	85.84	20	-209.60	20	-14.43	20
2	2	202	Min.	567.23	-12496.40	20	-85.94	20	-164.20	20	85.84	20	277.31	20	-14.43	20
3	3	203	Max	0.00	-11324.70	20	-76.36	20	352.62	20	-215.30	20	886.28	20	-24.35	20
3	3	203	Max	482.51	-9364.50	20	-76.36	20	-15.81	20	-215.30	20	-152.56	20	-24.35	20
3	3	203	Min.	0.00	-11324.70	20	-76.36	20	352.62	20	-215.30	20	886.28	20	-24.35	20
3	3	203	Min.	482.51	-9364.50	20	-76.36	20	-15.81	20	-215.30	20	-152.56	20	-24.35	20
4	4	104	Max	0.00	-6248.91	20	364.37	20	-455.76	20	-100.67	20	597.96	20	-20.93	20
4	4	104	Max	402.53	-4613.61	20	364.37	20	1010.94	20	-100.67	20	192.75	20	-20.93	20
4	4	104	Min.	0.00	-6248.91	20	364.37	20	-455.76	20	-100.67	20	597.96	20	-20.93	20
4	4	104	Min.	402.53	-4613.61	20	364.37	20	1010.94	20	-100.67	20	192.75	20	-20.93	20
5	5	105	Max	0.00	-11128.50	20	-23.41	20	52.36	20	26.21	20	-59.86	20	-3.24	20
5	5	105	Max	489.53	-10363.60	20	-23.41	20	-62.24	20	26.21	20	68.42	20	-3.24	20
5	5	105	Min.	0.00	-11128.50	20	-23.41	20	52.36	20	26.21	20	-59.86	20	-3.24	20
5	5	105	Min.	489.53	-10363.60	20	-23.41	20	-62.24	20	26.21	20	68.42	20	-3.24	20
5	105	223	Max	0.00	-5274.24	20	-177.47	20	172.19	20	662.95	20	-400.42	20	-5.59	20
5	105	223	Max	107.69	-5105.97	20	-177.47	20	-18.92	20	662.95	20	313.49	20	-5.59	20
5	105	223	Min.	0.00	-5274.24	20	-177.47	20	172.19	20	662.95	20	-400.42	20	-5.59	20
5	105	223	Min.	107.69	-5105.97	20	-177.47	20	-18.92	20	662.95	20	313.49	20	-5.59	20
6	6	106	Max	0.00	-8037.22	20	-66.56	20	226.66	20	332.16	20	-131.96	20	-14.55	20
6	6	106	Max	402.53	-6779.30	20	-66.56	20	-41.27	20	332.16	20	1205.10	20	-14.55	20
6	6	106	Min.	0.00	-8037.22	20	-66.56	20	226.66	20	332.16	20	-131.96	20	-14.55	20
6	6	106	Min.	402.53	-6779.30	20	-66.56	20	-41.27	20	332.16	20	1205.10	20	-14.55	20
7	7	-734	Max	0.00	-9773.08	20	-161.20	20	-45.65	20	-81.06	20	344.80	20	-29.76	20
7	7	-734	Max	393.00	-8176.52	20	-161.20	20	-679.16	20	-81.06	20	26.25	20	-29.76	20
7	7	-734	Min.	0.00	-9773.08	20	-161.20	20	-45.65	20	-81.06	20	344.80	20	-29.76	20
7	7	-734	Min.	393.00	-8176.52	20	-161.20	20	-679.16	20	-81.06	20	26.25	20	-29.76	20
7	-734	207	Max	0.00	-6392.70	20	-1899.99	20	43.21	20	1895.53	20	225.06	20	-2.71	20
7	-734	207	Max	12.45	-6342.13	20	-1899.99	20	-193.29	20	1895.53	20	461.01	20	-2.71	20
7	-734	207	Min.	0.00	-6392.70	20	-1899.99	20	43.21	20	1895.53	20	225.06	20	-2.71	20
7	-734	207	Min.	12.45	-6342.13	20	-1899.99	20	-193.29	20	1895.53	20	461.01	20	-2.71	20
8	8	-735	Max	0.00	-19608.40	20	130.94	20	-203.80	20	-164.69	20	383.36	20	-20.70	20
8	8	-735	Max	393.00	-18380.30	20	130.94	20	310.79	20	-164.69	20	-263.85	20	-20.70	20
8	8	-735	Min.	0.00	-19608.40	20	130.94	20	-203.80	20	-164.69	20	383.36	20	-20.70	20
8	8	-735	Min.	393.00	-18380.30	20	130.94	20	310.79	20	-164.69	20	-263.85	20	-20.70	20
8	-735	208	Max	0.00	-16470.90	20	967.10	20	-1028.25	20	314.33	20	-126.62	20	-0.18	20
8	-735	208	Max	170.38	-15938.50	20	967.10	20	619.50	20	314.33	20	408.93	20	-0.18	20
8	-735	208	Min.	0.00	-16470.90	20	967.10	20	-1028.25	20	314.33	20	-126.62	20	-0.18	20
8	-735	208	Min.	170.38	-15938.50	20	967.10	20	619.50	20	314.33	20	408.93	20	-0.18	20
9	9	209	Max	0.00	-9041.95	20	2.55	20	-25.01	20	438.99	20	-657.46	20	-16.98	20
9	9	209	Max	481.00	-7538.83	20	2.55	20	-12.74	20	438.99	20	1454.06	20	-16.98	20
9	9	209	Min.	0.00	-9041.95	20	2.55	20	-25.01	20	438.99	20	-657.46	20	-16.98	20
9	9	209	Min.	481.00	-7538.83	20	2.55	20	-12.74	20	438.99	20	1454.06	20	-16.98	20
10	10	110	Max	0.00	-12164.90	20	-21.90	20	43.76	20	-69.20	20	168.07	20	-3.24	20
10	10	110	Max	489.53	-11400.00	20	-21.90	20	-63.43	20	-69.20	20	-170.68	20	-3.24	20
10	10	110	Min.	0.00	-12164.90	20	-21.90	20	43.76	20	-69.20	20	168.07	20	-3.24	20
10	10	110	Min.	489.53	-11400.00	20	-21.90	20	-63.43	20	-69.20	20	-170.68	20	-3.24	20
10	110	210	Max	0.00	-5381.72	20	-144.49	20	161.33	20	-1027.69	20	600.98	20	-5.59	20
10	110	210	Max	107.69	-5213.46	20	-144.50	20	5.73	20	-1027.70	20	-505.72	20	-5.59	20
10	110	210	Min.	0.00	-5381.72	20	-144.49	20	161.33	20	-1027.69	20	600.98	20	-5.59	20
10	110	210	Min.	107.69	-5213.46	20	-144.50	20	5.73	20	-1027.70	20	-505.72	20	-5.59	20
11	11	111	Max	0.00	-6935.50	20	-63.78	20	231.20	20	-664.96	20	1358.56	20	-14.55	20
11	11	111	Max	402.53	-5677.58	20	-63.78	20	-25.53	20	-664.96	20	-1318.14	20	-14.55	20
11	11	111	Min.	0.00	-6935.50	20	-63.78	20	231.20	20	-664.96	20	1358.56	20	-14.55	20
11	11	111	Min.	402.53	-5677.58	20	-63.78	20	-25.53	20	-664.96	20	-1318.14	20	-14.55	20
12	12	-736	Max	0.00	-7680.74	20	-135.78	20	-88.61	20	-314.57	20	934.53	20	-29.76	20
12	12	-736	Max	393.00	-6084.17	20	-135.78	20	-622.24	20	-314.57	20	-301.72	20	-29.76	20

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12	12	-736	Min.	0.00	-7680.74	20	-135.78	20	-88.61	20	-314.57	20	934.53	20	-29.76	20
12	12	-736	Min.	393.00	-6084.17	20	-135.78	20	-622.24	20	-314.57	20	-301.72	20	-29.76	20
12	-736	212	Max	0.00	-4378.17	20	-2.92	20	87.71	20	-2865.47	20	-500.29	20	-2.71	20
12	-736	212	Max	12.45	-4327.61	20	-2.92	20	87.35	20	-2865.47	20	-856.97	20	-2.71	20
12	-736	212	Min.	0.00	-4378.17	20	-2.92	20	87.71	20	-2865.47	20	-500.29	20	-2.71	20
12	-736	212	Min.	12.45	-4327.61	20	-2.92	20	87.35	20	-2865.47	20	-856.97	20	-2.71	20
13	13	-737	Max	0.00	-16684.00	20	167.84	20	-289.88	20	-278.18	20	887.10	20	-20.70	20
13	13	-737	Max	393.00	-15455.90	20	167.84	20	369.73	20	-278.18	20	-206.15	20	-20.70	20
13	13	-737	Min.	0.00	-16684.00	20	167.84	20	-289.88	20	-278.18	20	887.10	20	-20.70	20
13	13	-737	Min.	393.00	-15455.90	20	167.84	20	369.73	20	-278.18	20	-206.15	20	-20.70	20
13	-737	213	Max	0.00	-13655.20	20	937.61	20	-984.89	20	-182.87	20	-237.20	20	-0.18	20
13	-737	213	Max	170.38	-13122.80	20	937.61	20	612.62	20	-182.87	20	-548.78	20	-0.18	20
13	-737	213	Min.	0.00	-13655.20	20	937.61	20	-984.89	20	-182.87	20	-237.20	20	-0.18	20
13	-737	213	Min.	170.38	-13122.80	20	937.61	20	612.62	20	-182.87	20	-548.78	20	-0.18	20
14	14	214	Max	0.00	-7436.61	20	20.38	20	-74.54	20	-655.46	20	1645.78	20	-16.98	20
14	14	214	Max	481.00	-5933.49	20	20.38	20	23.51	20	-655.46	20	-1506.96	20	-16.98	20
14	14	214	Min.	0.00	-7436.61	20	20.38	20	-74.54	20	-655.46	20	1645.78	20	-16.98	20
14	14	214	Min.	481.00	-5933.49	20	20.38	20	23.51	20	-655.46	20	-1506.96	20	-16.98	20
15	15	215	Max	0.00	-5426.12	20	203.03	20	-500.24	20	241.41	20	-1669.03	20	-27.59	20
15	15	215	Max	425.45	-3697.74	20	203.03	20	363.54	20	241.41	20	-641.95	20	-27.59	20
15	15	215	Min.	0.00	-5426.12	20	203.03	20	-500.24	20	241.41	20	-1669.03	20	-27.59	20
15	15	215	Min.	425.45	-3697.74	20	203.03	20	363.54	20	241.41	20	-641.95	20	-27.59	20
16	16	216	Max	0.00	-10468.00	20	119.31	20	-424.92	20	225.49	20	-608.26	20	-14.43	20
16	16	216	Max	567.23	-8695.35	20	119.31	20	251.83	20	225.49	20	670.78	20	-14.43	20
16	16	216	Min.	0.00	-10468.00	20	119.31	20	-424.92	20	225.49	20	-608.26	20	-14.43	20
16	16	216	Min.	567.23	-8695.35	20	119.31	20	251.83	20	225.49	20	670.78	20	-14.43	20
17	17	217	Max	0.00	-11231.80	20	370.18	20	-1011.59	20	224.75	20	-524.81	20	-24.35	20
17	17	217	Max	482.51	-9271.63	20	370.18	20	774.55	20	224.75	20	559.63	20	-24.35	20
17	17	217	Min.	0.00	-11231.80	20	370.18	20	-1011.59	20	224.75	20	-524.81	20	-24.35	20
17	17	217	Min.	482.51	-9271.63	20	370.18	20	774.55	20	224.75	20	559.63	20	-24.35	20
18	18	118	Max	0.00	-13080.30	20	244.43	20	-844.71	20	23.75	20	-262.30	20	-17.24	20
18	18	118	Max	489.53	-11091.50	20	244.43	20	351.87	20	23.75	20	-146.01	20	-17.24	20
18	18	118	Min.	0.00	-13080.30	20	244.43	20	-844.71	20	23.75	20	-262.30	20	-17.24	20
18	18	118	Min.	489.53	-11091.50	20	244.43	20	351.87	20	23.75	20	-146.01	20	-17.24	20
18	118	218	Max	0.00	-6059.65	20	-139.52	20	290.26	20	367.49	20	260.04	20	-29.76	20
18	118	218	Max	107.69	-5622.17	20	-139.52	20	140.02	20	367.49	20	655.78	20	-29.76	20
18	118	218	Min.	0.00	-6059.65	20	-139.52	20	290.26	20	367.49	20	260.04	20	-29.76	20
18	118	218	Min.	107.69	-5622.17	20	-139.52	20	140.02	20	367.49	20	655.78	20	-29.76	20
19	19	119	Max	0.00	-6920.14	20	310.62	20	-896.68	20	-116.74	20	785.75	20	-20.93	20
19	19	119	Max	402.53	-5284.85	20	310.62	20	353.67	20	-116.74	20	315.83	20	-20.93	20
19	19	119	Min.	0.00	-6920.14	20	310.62	20	-896.68	20	-116.74	20	785.75	20	-20.93	20
19	19	119	Min.	402.53	-5284.85	20	310.62	20	353.67	20	-116.74	20	315.83	20	-20.93	20
102	120	104	Max	24.44	-217.74	20	-315.37	20	372.21	20	508.78	20	-257.23	20	-211.57	20
102	120	104	Max	197.90					-174.81	20			184.02	20		
102	120	104	Max	351.18	-423.36	20	-315.37	20	-658.20	20	-449.60	20	-160.55	20	-211.57	20
102	120	104	Min.	24.44	-217.74	20	-315.37	20	372.21	20	508.78	20	-257.23	20	-211.57	20
102	120	104	Min.	197.90					-174.81	20			184.02	20		
102	120	104	Min.	351.18	-423.36	20	-315.37	20	-658.20	20	-449.60	20	-160.55	20	-211.57	20
102	104	21	Max	0.00	1367.52	20	-2716.12	20	1686.32	20	444.08	20	-326.97	20	169.68	20
102	104	21	Max	115.00	1295.14	20	-2716.12	20	-1437.21	20	106.76	20	-10.24	20	169.68	20
102	104	21	Min.	0.00	1367.52	20	-2716.12	20	1686.32	20	444.08	20	-326.97	20	169.68	20
102	104	21	Min.	115.00	1295.14	20	-2716.12	20	-1437.21	20	106.76	20	-10.24	20	169.68	20
103	105	106	Max	24.44	2033.89	20	60.61	20	-96.22	20	338.58	20	-192.83	20	39.42	20
103	105	106	Max	216.82					20.39	20			132.84	20		
103	105	106	Max	390.29	1895.75	20	60.61	20	125.53	20	-305.29	20	-131.94	20	39.42	20
103	105	106	Min.	24.44	2033.89	20	60.61	20	-96.22	20	338.58	20	-192.83	20	39.42	20
103	105	106	Min.	216.82					20.39	20			132.84	20		
103	105	106	Min.	390.29	1895.75	20	60.61	20	125.53	20	-305.29	20	-131.94	20	39.42	20
103	106	22	Max	0.00	2837.14	20	595.34	20	-369.71	20	351.12	20	-274.53	20	-73.71	20
103	106	22	Max	115.00	2793.72	20	595.34	20	314.93	20	148.72	20	12.88	20	-73.71	20
103	106	22	Min.	0.00	2837.14	20	595.34	20	-369.71	20	351.12	20	-274.53	20	-73.71	20
103	106	22	Min.	115.00	2793.72	20	595.34	20	314.93	20	148.72	20	12.88	20	-73.71	20
105	110	111	Max	24.44	2407.58	20	-21.26	20	44.69	20	333.08	20	-177.77	20	15.60	20
105	110	111	Max	213.70					4.45	20			137.41	20		
105	110	111	Max	390.29	2269.44	20	-21.26	20	-33.09	20	-310.79	20	-136.99	20	15.60	20
105	110	111	Min.	24.44	2407.58	20	-21.26	20	44.69	20	333.08	20	-177.77	20	15.60	20
105	110	111	Min.	213.70					4.45	20			137.41	20		
105	110	111	Min.	390.29	2269.44	20	-21.26	20	-33.09	20	-310.79	20	-136.99	20	15.60	20
105	111	23	Max	0.00	2575.93	20	-263.91	20	113.17	20	320.22	20	-246.10	20	-103.78	20
105	111	23	Max	115.00	2532.51	20	-263.91	20	-190.33	20	117.83	20	5.78	20	-103.78	20
105	111	23	Min.	0.00	2575.93	20	-263.91	20	113.17	20	320.22	20	-246.10	20	-103.78	20
105	111	23	Min.	115.00	2532.51	20	-263.91	20	-190.33	20	117.83	20	5.78	20	-103.78	20
107	118	119	Max	31.78	1880.17	20	43.70	20	-67.50	20	286.38	20	-127.83	20	9.87	20
107	118	119	Max	194.50					3.60	20			105.17	20		
107	118	119	Max	351.17	1759.56	20	43.70	20	72.06	20	-275.75	20	-110.85	20	9.87	20
107	118	119	Min.	31.78	1880.17	20	43.70	20	-67.50	20	286.38	20	-127.83	20	9.87	20
107	118	119	Min.	194.50					3.60	20			105.17	20		
107	118	119	Min.	351.17	1759.56	20	43.70	20	72.06	20	-275.75	20	-110.85	20	9.87	20
107	119	24	Max	0.00	1938.60	20	126.54	20	-114.72	20	236.01	20	-143.02	20	-112.88	20

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107	119	24	Max	115.00	1895.18	20	126.54	20	30.80	20	33.61	20	12.02	20	-112.88	20
107	119	24	Min.	0.00	1938.60	20	126.54	20	-114.72	20	236.01	20	-143.02	20	-112.88	20
107	119	24	Min.	115.00	1895.18	20	126.54	20	30.80	20	33.61	20	12.02	20	-112.88	20
108	25	26	Max	0.00	1027.60	20	-42.93	20	94.26	20	343.11	20	-156.84	20	14.08	20
108	25	26	Max	194.95					10.56	20			177.60	20		
108	25	26	Max	414.73	871.00	20	-42.93	20	-83.79	20	-386.79	20	-247.44	20	14.08	20
108	25	26	Min.	0.00	1027.60	20	-42.93	20	94.26	20	343.11	20	-156.84	20	14.08	20
108	25	26	Min.	194.95					10.56	20			177.60	20		
108	25	26	Min.	414.73	871.00	20	-42.93	20	-83.79	20	-386.79	20	-247.44	20	14.08	20
108	26	27	Max	0.00	115.26	20	-298.17	20	193.65	20	217.21	20	-153.83	20	59.73	20
108	26	27	Max	115.00	71.83	20	-298.17	20	-149.24	20	14.81	20	-20.42	20	59.73	20
108	26	27	Min.	0.00	115.26	20	-298.17	20	193.65	20	217.21	20	-153.83	20	59.73	20
108	26	27	Min.	115.00	71.83	20	-298.17	20	-149.24	20	14.81	20	-20.42	20	59.73	20
113	120	-714	Max	0.00	0.00	20	-28.14	20	54.60	20	96.19	20	66.73	20	-109.57	20
113	120	-714	Max	9.43					50.98	20			71.27	20		
113	120	-714	Max	58.33	0.00	20	-154.56	20	1.31	20	-498.56	20	-50.63	20	-109.57	20
113	120	-714	Min.	0.00	0.00	20	-28.14	20	54.60	20	96.19	20	66.73	20	-109.57	20
113	120	-714	Min.	9.43					50.98	20			71.27	20		
113	120	-714	Min.	58.33	0.00	20	-154.56	20	1.31	20	-498.56	20	-50.63	20	-109.57	20
113	-714	-715	Max	0.00	0.00	20	6.27	20	13.29	20	171.99	20	10.72	20	-8.87	20
113	-714	-715	Max	16.87					11.26	20			25.23	20		
113	-714	-715	Max	58.33	0.00	20	-120.15	20	-19.93	20	-422.77	20	-62.42	20	-8.87	20
113	-714	-715	Min.	0.00	0.00	20	6.27	20	13.29	20	171.99	20	10.72	20	-8.87	20
113	-714	-715	Min.	2.89					13.38	20			15.27	20		
113	-714	-715	Min.	58.33	0.00	20	-120.15	20	-19.93	20	-422.77	20	-62.42	20	-8.87	20
113	-715	121	Max	0.00	0.00	20	-124.13	20	-53.05	20	-115.18	20	-18.65	20	16.56	20
113	-715	121	Max	58.33	0.00	20	-250.55	20	-162.33	20	-709.94	20	-259.31	20	16.56	20
113	-715	121	Min.	0.00	0.00	20	-124.13	20	-53.05	20	-115.18	20	-18.65	20	16.56	20
113	-715	121	Min.	58.33	0.00	20	-250.55	20	-162.33	20	-709.94	20	-259.31	20	16.56	20
113	121	105	Max	0.00	0.00	20	226.56	20	118.39	20	1639.89	20	-467.04	20	59.54	20
113	121	105	Max	117.05					179.58	20			492.67	20		
113	121	105	Max	256.00	0.00	20	-535.82	20	-277.46	20	-1946.83	20	-859.93	20	59.54	20
113	121	105	Min.	0.00	0.00	20	226.56	20	118.39	20	1639.89	20	-467.04	20	59.54	20
113	121	105	Min.	76.08					204.57	20			375.08	20		
113	121	105	Min.	256.00	0.00	20	-535.82	20	-277.46	20	-1946.83	20	-859.93	20	59.54	20
113	105	110	Max	0.00	0.00	20	398.39	20	-309.49	20	1834.47	20	-944.05	20	18.61	20
113	105	110	Max	130.93					-43.13	20			256.92	20		
113	105	110	Max	255.00	0.00	20	-361.01	20	-261.82	20	-1738.24	20	-821.36	20	18.61	20
113	105	110	Min.	0.00	0.00	20	398.39	20	-309.49	20	1834.47	20	-944.05	20	18.61	20
113	105	110	Min.	133.78					-43.01	20			256.35	20		
113	105	110	Min.	255.00	0.00	20	-361.01	20	-261.82	20	-1738.24	20	-821.36	20	18.61	20
113	110	118	Max	0.00	0.00	20	841.85	20	-792.10	20	2860.97	20	-2039.94	20	-15.93	20
113	110	118	Max	204.20					306.07	20			881.11	20		
113	110	118	Max	354.00	-0.00	20	-212.38	20	322.06	20	-2098.80	20	-690.89	20	-15.93	20
113	110	118	Min.	0.00	0.00	20	841.85	20	-792.10	20	2860.97	20	-2039.94	20	-15.93	20
113	110	118	Min.	282.69					397.79	20			449.58	20		
113	110	118	Min.	354.00	-0.00	20	-212.38	20	322.06	20	-2098.80	20	-690.89	20	-15.93	20
113	118	25	Max	0.00	0.00	20	828.91	20	-833.42	20	1612.65	20	-1141.07	20	156.84	20
113	118	25	Max	115.00	0.00	20	579.68	20	-23.48	20	440.13	20	39.28	20	156.84	20
113	118	25	Min.	0.00	0.00	20	828.91	20	-833.42	20	1612.65	20	-1141.07	20	156.84	20
113	118	25	Min.	115.00	0.00	20	579.68	20	-23.48	20	440.13	20	39.28	20	156.84	20
115	-1424	104	Max	0.00	0.00	20	888.38	20	-936.84	20	-356.62	20	983.86	20	9.42	20
115	-1424	104	Max	150.00	0.00	20	1341.86	20	735.85	20	-2490.05	20	-1151.15	20	9.42	20
115	-1424	104	Min.	0.00	0.00	20	888.38	20	-936.84	20	-356.62	20	983.86	20	9.42	20
115	-1424	104	Min.	150.00	0.00	20	1341.86	20	735.85	20	-2490.05	20	-1151.15	20	9.42	20
115	106	-1424	Max	50.00	-0.00	20	-1231.07	20	793.12	20	2626.80	20	-1354.63	20	9.42	20
115	106	-1424	Max	234.80					-965.68	20			1071.07	20		
115	106	-1424	Max	281.00	-0.00	20	-532.72	20	-1244.06	20	-658.68	20	918.55	20	9.42	20
115	106	-1424	Min.	50.00	-0.00	20	-1231.07	20	793.12	20	2626.80	20	-1354.63	20	9.42	20
115	106	-1424	Min.	234.80					-965.68	20			1071.07	20		
115	106	-1424	Min.	281.00	-0.00	20	-532.72	20	-1244.06	20	-658.68	20	918.55	20	9.42	20
115	111	106	Max	50.00	0.00	20	54.00	20	-113.58	20	1109.53	20	-236.82	20	3.60	20
115	111	106	Max	128.01					20.54	20			195.95	20		
115	111	106	Max	280.00	0.00	20	749.33	20	810.25	20	-2161.74	20	-1446.87	20	3.60	20
115	111	106	Min.	50.00	0.00	20	54.00	20	-113.58	20	1109.53	20	-236.82	20	3.60	20
115	111	106	Min.	128.01					20.54	20			195.95	20		
115	111	106	Min.	280.00	0.00	20	749.33	20	810.25	20	-2161.74	20	-1446.87	20	3.60	20
115	119	111	Max	25.00	0.00	20	-170.25	20	-392.90	20	2079.53	20	-626.52	20	16.21	20
115	119	111	Max	171.21					-318.69	20			893.71	20		
115	119	111	Max	379.00	-0.00	20	899.95	20	898.66	20	-2955.38	20	-2176.78	20	16.21	20
115	119	111	Min.	25.00	0.00	20	-170.25	20	-392.90	20	2079.53	20	-626.52	20	16.21	20
115	119	111	Min.	171.21					-318.69	20			893.71	20		
115	119	111	Min.	379.00	-0.00	20	899.95	20	898.66	20	-2955.38	20	-2176.78	20	16.21	20
115	26	119	Max	0.00	0.00	20	602.53	20	-45.58	20	-313.60	20	95.45	20	-93.60	20
115	26	119	Max	115.00	-0.00	20	950.20	20	847.24	20	-1949.23	20	-1205.68	20	-93.60	20
115	26	119	Min.	0.00	0.00	20	602.53	20	-45.58	20	-313.60	20	95.45	20	-93.60	20
115	26	119	Min.	115.00	-0.00	20	950.20	20	847.24	20	-1949.23	20	-1205.68	20	-93.60	20
116	22	21	Max	0.00	0.00	20	-96.17	20	58.47	20	434.22	20	-286.19	20	10.24	20
116	22	21	Max	246.62					-64.90	20			249.24	20		

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116	22	21	Max	456.00	-0.00	20	74.48	20	9.02	20	-368.65	20	-136.69	20	10.24	20
116	22	21	Min.	0.00	0.00	20	-96.17	20	58.47	20	434.22	20	-286.19	20	10.24	20
116	22	21	Min.	246.62					-64.90	20			249.24	20		
116	22	21	Min.	456.00	-0.00	20	74.48	20	9.02	20	-368.65	20	-136.69	20	10.24	20
116	23	22	Max	0.00	0.00	20	-41.48	20	50.99	20	213.29	20	-194.45	20	-2.63	20
116	23	22	Max	121.14					28.20	20			-65.26	20		
116	23	22	Max	280.00	-0.00	20	63.31	20	81.54	20	-279.70	20	-287.43	20	-2.63	20
116	23	22	Min.	0.00	0.00	20	-41.48	20	50.99	20	213.29	20	-194.45	20	-2.63	20
116	23	22	Min.	121.14					28.20	20			-65.26	20		
116	23	22	Min.	280.00	-0.00	20	63.31	20	81.54	20	-279.70	20	-287.43	20	-2.63	20
116	24	23	Max	0.00	0.00	20	-43.13	20	-20.64	20	249.47	20	-12.80	20	-8.41	20
116	24	23	Max	141.69					-44.17	20			163.94	20		
116	24	23	Max	379.00	-0.00	20	98.71	20	84.70	20	-417.82	20	-331.83	20	-8.41	20
116	24	23	Min.	0.00	0.00	20	-43.13	20	-20.64	20	249.47	20	-12.80	20	-8.41	20
116	24	23	Min.	141.69					-44.17	20			163.94	20		
116	24	23	Min.	379.00	-0.00	20	98.71	20	84.70	20	-417.82	20	-331.83	20	-8.41	20
116	27	24	Max	0.00	0.00	20	0.73	20	7.12	20	30.37	20	-26.19	20	-20.42	20
116	27	24	Max	17.25					7.80	20			-23.57	20		
116	27	24	Max	115.00	-0.00	20	43.77	20	32.70	20	-172.11	20	-107.69	20	-20.42	20
116	27	24	Min.	0.00	0.00	20	0.73	20	7.12	20	30.37	20	-26.19	20	-20.42	20
116	27	24	Min.	17.25					7.80	20			-23.57	20		
116	27	24	Min.	115.00	-0.00	20	43.77	20	32.70	20	-172.11	20	-107.69	20	-20.42	20
201	-741	229	Max	0.00	-1031.35	20	-824.73	20	451.46	20	-133.47	20	-23.98	20	48.81	20
201	-741	229	Max	123.84	-907.16	20	-824.73	20	-569.92	20	-483.63	20	-406.10	20	48.81	20
201	-741	229	Min.	0.00	-1031.35	20	-824.73	20	451.46	20	-133.47	20	-23.98	20	48.81	20
201	-741	229	Min.	123.84	-907.16	20	-824.73	20	-569.92	20	-483.63	20	-406.10	20	48.81	20
201	229	226	Max	0.00	-40.12	20	-164.54	20	334.74	20	587.24	20	-327.35	20	44.61	20
201	229	226	Max	207.69					-7.00	20			282.47	20		
201	229	226	Max	472.69	433.88	20	-164.54	20	-443.02	20	-749.26	20	-710.30	20	44.61	20
201	229	226	Min.	0.00	-40.12	20	-164.54	20	334.74	20	587.24	20	-327.35	20	44.61	20
201	229	226	Min.	207.69					-7.00	20			282.47	20		
201	229	226	Min.	472.69	433.88	20	-164.54	20	-443.02	20	-749.26	20	-710.30	20	44.61	20
201	36	226	Max	0.00	-1500.19	20	209.20	20	-353.55	20	584.43	20	-348.56	20	-53.54	20
201	36	226	Max	203.78					72.76	20			246.91	20		
201	36	226	Max	391.75	-1155.35	20	209.20	20	466.01	20	-539.10	20	-259.77	20	-53.54	20
201	36	226	Min.	0.00	-1500.19	20	209.20	20	-353.55	20	584.43	20	-348.56	20	-53.54	20
201	36	226	Min.	203.78					72.76	20			246.91	20		
201	36	226	Min.	391.75	-1155.35	20	209.20	20	466.01	20	-539.10	20	-259.77	20	-53.54	20
201	224	36	Max	0.00	3758.33	20	-3792.40	20	1050.63	20	-160.27	20	-261.95	20	229.53	20
201	224	36	Max	40.00	3716.49	20	-3792.40	20	-466.33	20	-272.74	20	-348.56	20	229.53	20
201	224	36	Min.	0.00	3758.33	20	-3792.40	20	1050.63	20	-160.27	20	-261.95	20	229.53	20
201	224	36	Min.	40.00	3716.49	20	-3792.40	20	-466.33	20	-272.74	20	-348.56	20	229.53	20
201	225	224	Max	0.00	949.22	20	-232.91	20	460.65	20	528.38	20	-284.66	20	-0.26	20
201	225	224	Max	187.92					22.96	20			211.80	20		
201	225	224	Max	395.83	535.22	20	-232.91	20	-461.31	20	-584.62	20	-395.96	20	-0.26	20
201	225	224	Min.	0.00	949.22	20	-232.91	20	460.65	20	528.38	20	-284.66	20	-0.26	20
201	225	224	Min.	187.92					22.96	20			211.80	20		
201	225	224	Min.	395.83	535.22	20	-232.91	20	-461.31	20	-584.62	20	-395.96	20	-0.26	20
201	-738	225	Max	0.00	1422.36	20	-1451.41	20	936.99	20	45.98	20	-33.70	20	-34.74	20
201	-738	225	Max	16.49					697.71	20			-29.91	20		
201	-738	225	Max	135.60	1272.51	20	-1451.41	20	-1031.15	20	-332.22	20	-227.77	20	-34.74	20
201	-738	225	Min.	0.00	1422.36	20	-1451.41	20	936.99	20	45.98	20	-33.70	20	-34.74	20
201	-738	225	Min.	16.49					697.71	20			-29.91	20		
201	-738	225	Min.	135.60	1272.51	20	-1451.41	20	-1031.15	20	-332.22	20	-227.77	20	-34.74	20
202	-698	201	Max	0.00	2964.56	20	270.60	20	-200.40	20	115.57	20	10.09	20	20.15	20
202	-698	201	Max	7.12					-181.14	20			14.20	20		
202	-698	201	Max	123.84	3677.47	20	270.60	20	134.72	20	-1894.58	20	-1091.51	20	20.15	20
202	-698	201	Min.	0.00	2964.56	20	270.60	20	-200.40	20	115.57	20	10.09	20	20.15	20
202	-698	201	Min.	7.12					-181.14	20			14.20	20		
202	-698	201	Min.	123.84	3677.47	20	270.60	20	134.72	20	-1894.58	20	-1091.51	20	20.15	20
202	201	202	Max	61.26	4733.57	20	8.53	20	-30.78	20	2462.76	20	-910.00	20	10.35	20
202	201	202	Max	212.99					-17.85	20			958.33	20		
202	201	202	Max	393.78	6647.55	20	8.53	20	-2.43	20	-2934.45	20	-1694.22	20	10.35	20
202	201	202	Min.	61.26	4733.57	20	8.53	20	-30.78	20	2462.76	20	-910.00	20	10.35	20
202	201	202	Min.	212.99					-17.85	20			958.33	20		
202	201	202	Min.	393.78	6647.55	20	8.53	20	-2.43	20	-2934.45	20	-1694.22	20	10.35	20
202	202	219	Max	16.49	-13344.80	20	-998.18	20	-182.24	20	2295.05	20	-1971.93	20	198.90	20
202	202	219	Max	48.28	-13161.70	20	-998.18	20	-499.56	20	1779.11	20	-1324.35	20	198.90	20
202	202	219	Min.	16.49	-13344.80	20	-998.18	20	-182.24	20	2295.05	20	-1971.93	20	198.90	20
202	202	219	Min.	48.28	-13161.70	20	-998.18	20	-499.56	20	1779.11	20	-1324.35	20	198.90	20
202	219	31	Max	0.00	1676.57	20	-13.57	20	-44.34	20	3263.50	20	-1921.84	20	-50.29	20
202	219	31	Max	198.22					-71.24	20			1312.64	20		
202	219	31	Max	391.75	-303.00	20	-13.57	20	-97.51	20	-3186.27	20	-1770.56	20	-50.29	20
202	219	31	Min.	0.00	1676.57	20	-13.57	20	-44.34	20	3263.50	20	-1921.84	20	-50.29	20
202	219	31	Min.	198.22					-71.24	20			1312.64	20		
202	219	31	Min.	391.75	-303.00	20	-13.57	20	-97.51	20	-3186.27	20	-1770.56	20	-50.29	20
202	31	203	Max	0.00	18317.90	20	2650.80	20	-238.59	20	3119.49	20	-1770.58	20	-170.56	20
202	31	203	Max	40.00	18368.10	20	2650.80	20	821.73	20	2984.53	20	-549.78	20	-170.56	20
202	31	203	Min.	0.00	18317.90	20	2650.80	20	-238.59	20	3119.49	20	-1770.58	20	-170.56	20

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202	31	203	Min.	40.00	18368.10	20	2650.80	20	821.73	20	2984.53	20	-549.78	20	-170.56	20
202	203	221	Max	12.00	2421.91	20	-15.50	20	-142.17	20	674.67	20	-470.38	20	100.46	20
202	203	221	Max	211.95					-173.16	20			204.14	20		
202	203	221	Max	395.83	2903.65	20	-15.50	20	-201.66	20	-620.45	20	-366.31	20	100.46	20
202	203	221	Min.	12.00	2421.91	20	-15.50	20	-142.17	20	674.67	20	-470.38	20	100.46	20
202	203	221	Min.	211.95					-173.16	20			204.14	20		
202	203	221	Min.	395.83	2903.65	20	-15.50	20	-201.66	20	-620.45	20	-366.31	20	100.46	20
202	221	-730	Max	23.24	-5228.06	20	-1139.27	20	989.96	20	541.71	20	-367.05	20	-206.71	20
202	221	-730	Max	135.60	-5079.06	20	-1139.27	20	-290.12	20	165.66	20	30.34	20	-206.71	20
202	221	-730	Min.	23.24	-5228.06	20	-1139.27	20	989.96	20	541.71	20	-367.05	20	-206.71	20
202	221	-730	Min.	135.60	-5079.06	20	-1139.27	20	-290.12	20	165.66	20	30.34	20	-206.71	20
203	-742	-716	Max	0.00	-902.34	20	-5949.53	20	959.81	20	-407.22	20	0.00	20	357.01	20
203	-742	-716	Max	40.00	-877.24	20	-5949.53	20	-1420.00	20	-474.70	20	-176.38	20	357.01	20
203	-742	-716	Min.	0.00	-902.34	20	-5949.53	20	959.81	20	-407.22	20	0.00	20	357.01	20
203	-742	-716	Min.	40.00	-877.24	20	-5949.53	20	-1420.00	20	-474.70	20	-176.38	20	357.01	20
203	-716	223	Max	0.00	-2656.71	20	-108.59	20	265.05	20	347.62	20	-234.53	20	-77.77	20
203	-716	223	Max	206.05					41.29	20			123.60	20		
203	-716	223	Max	395.83	-2408.31	20	-108.59	20	-164.80	20	-320.18	20	-180.23	20	-77.77	20
203	-716	223	Min.	0.00	-2656.71	20	-108.59	20	265.05	20	347.62	20	-234.53	20	-77.77	20
203	-716	223	Min.	206.05					41.29	20			123.60	20		
203	-716	223	Min.	395.83	-2408.31	20	-108.59	20	-164.80	20	-320.18	20	-180.23	20	-77.77	20
203	223	-731	Max	23.24	-4133.05	20	-642.81	20	292.72	20	255.91	20	-174.61	20	77.90	20
203	223	-731	Max	135.60	-4058.55	20	-642.81	20	-429.54	20	67.88	20	7.29	20	77.90	20
203	223	-731	Min.	23.24	-4133.05	20	-642.81	20	292.72	20	255.91	20	-174.61	20	77.90	20
203	223	-731	Min.	135.60	-4058.55	20	-642.81	20	-429.54	20	67.88	20	7.29	20	77.90	20
204	-699	207	Max	0.00	1234.17	20	-206.90	20	249.86	20	-455.86	20	16.46	20	-100.31	20
204	-699	207	Max	123.84	1969.67	20	-206.90	20	-6.37	20	-2529.70	20	-1832.26	20	-100.31	20
204	-699	207	Min.	0.00	1234.17	20	-206.90	20	249.86	20	-455.86	20	16.46	20	-100.31	20
204	-699	207	Min.	123.84	1969.67	20	-206.90	20	-6.37	20	-2529.70	20	-1832.26	20	-100.31	20
204	207	-722	Max	23.56	5563.04	20	-4.00	20	-12.85	20	3285.65	20	-1744.17	20	17.50	20
204	207	-722	Max	219.77					-20.70	20			1479.22	20		
204	207	-722	Max	447.93	8083.36	20	-4.00	20	-29.82	20	-3820.68	20	-2879.45	20	17.50	20
204	207	-722	Min.	23.56	5563.04	20	-4.00	20	-12.85	20	3285.65	20	-1744.17	20	17.50	20
204	207	-722	Min.	219.77					-20.70	20			1479.22	20		
204	207	-722	Min.	447.93	8083.36	20	-4.00	20	-29.82	20	-3820.68	20	-2879.45	20	17.50	20
204	-722	208	Max	0.00	3008.39	20	-4306.80	20	65.09	20	-5620.65	20	-2879.45	20	51.16	20
204	-722	208	Max	1.19	3015.47	20	-4306.80	20	13.72	20	-5640.63	20	-2946.61	20	51.16	20
204	-722	208	Min.	0.00	3008.39	20	-4306.80	20	65.09	20	-5620.65	20	-2879.45	20	51.16	20
204	-722	208	Min.	1.19	3015.47	20	-4306.80	20	13.72	20	-5640.63	20	-2946.61	20	51.16	20
204	208	32	Max	0.00	10445.60	20	22.14	20	-53.95	20	4179.81	20	-3340.68	20	-10.07	20
204	208	32	Max	246.08					0.54	20			1802.18	20		
204	208	32	Max	391.75	8403.32	20	22.14	20	32.80	20	-2474.29	20	0.01	20	-10.07	20
204	208	32	Min.	0.00	10445.60	20	22.14	20	-53.95	20	4179.81	20	-3340.68	20	-10.07	20
204	208	32	Min.	246.08					0.54	20			1802.18	20		
204	208	32	Min.	391.75	8403.32	20	22.14	20	32.80	20	-2474.29	20	0.01	20	-10.07	20
205	-743	-717	Max	0.00	-1124.08	20	224.71	20	-36.25	20	-530.41	20	0.00	20	-13.48	20
205	-743	-717	Max	40.00	-1098.98	20	224.71	20	53.63	20	-597.90	20	-225.66	20	-13.48	20
205	-743	-717	Min.	0.00	-1124.08	20	224.71	20	-36.25	20	-530.41	20	0.00	20	-13.48	20
205	-743	-717	Min.	40.00	-1098.98	20	224.71	20	53.63	20	-597.90	20	-225.66	20	-13.48	20
205	-717	210	Max	0.00	-4066.90	20	18.68	20	-29.10	20	352.01	20	-243.94	20	-12.21	20
205	-717	210	Max	208.65					9.88	20			123.31	20		
205	-717	210	Max	395.83	-3818.50	20	18.68	20	44.84	20	-315.78	20	-172.24	20	-12.21	20
205	-717	210	Min.	0.00	-4066.90	20	18.68	20	-29.10	20	352.01	20	-243.94	20	-12.21	20
205	-717	210	Min.	208.65					9.88	20			123.31	20		
205	-717	210	Min.	395.83	-3818.50	20	18.68	20	44.84	20	-315.78	20	-172.24	20	-12.21	20
205	210	-732	Max	23.24	-3996.69	20	613.60	20	-274.46	20	219.43	20	-132.69	20	-81.58	20
205	210	-732	Max	135.60	-3922.19	20	613.60	20	414.99	20	31.40	20	8.23	20	-81.58	20
205	210	-732	Min.	23.24	-3996.69	20	613.60	20	-274.46	20	219.43	20	-132.69	20	-81.58	20
205	210	-732	Min.	135.60	-3922.19	20	613.60	20	414.99	20	31.40	20	8.23	20	-81.58	20
206	-700	212	Max	0.00	75.12	20	733.82	20	-547.57	20	-587.31	20	16.41	20	76.77	20
206	-700	212	Max	123.84	632.04	20	733.82	20	361.23	20	-2157.62	20	-1683.30	20	76.77	20
206	-700	212	Min.	0.00	75.12	20	733.82	20	-547.57	20	-587.31	20	16.41	20	76.77	20
206	-700	212	Min.	123.84	632.04	20	733.82	20	361.23	20	-2157.62	20	-1683.30	20	76.77	20
206	212	-723	Max	23.56	6314.38	20	63.38	20	-123.25	20	2423.57	20	-1152.64	20	-8.03	20
206	212	-723	Max	214.70					-2.10	20			1163.53	20		
206	212	-723	Max	447.93	8222.77	20	63.38	20	145.74	20	-2957.36	20	-2285.27	20	-8.03	20
206	212	-723	Min.	23.56	6314.38	20	63.38	20	-123.25	20	2423.57	20	-1152.64	20	-8.03	20
206	212	-723	Min.	214.70					-2.10	20			1163.53	20		
206	212	-723	Min.	447.93	8222.77	20	63.38	20	145.74	20	-2957.36	20	-2285.27	20	-8.03	20
206	-723	213	Max	0.00	2718.46	20	9501.01	20	-145.48	20	-4909.59	20	-2285.26	20	-111.30	20
206	-723	213	Max	1.19	2723.82	20	9501.01	20	-32.15	20	-4924.72	20	-2343.91	20	-111.30	20
206	-723	213	Min.	0.00	2718.46	20	9501.01	20	-145.48	20	-4909.59	20	-2285.26	20	-111.30	20
206	-723	213	Min.	1.19	2723.82	20	9501.01	20	-32.15	20	-4924.72	20	-2343.91	20	-111.30	20
206	213	33	Max	0.00	8112.10	20	-48.84	20	119.00	20	3165.29	20	-2530.87	20	22.21	20
206	213	33	Max	246.11					-1.21	20			1364.13	20		
206	213	33	Max	391.75	6565.68	20	-48.84	20	-72.35	20	-1873.21	20	0.01	20	22.21	20
206	213	33	Min.	0.00	8112.10	20	-48.84	20	119.00	20	3165.29	20	-2530.87	20	22.21	20
206	213	33	Min.	246.11					-1.21	20			1364.13	20		
206	213	33	Min.	391.75	6565.68	20	-48.84	20	-72.35	20	-1873.21	20	0.01	20	22.21	20

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207	-701	215	Max	0.00	1314.86	20	1853.07	20	-1071.64	20	-204.30	20	10.62	20	-46.52	20
207	-701	215	Max	123.84	1849.20	20	1853.07	20	1223.28	20	-1710.93	20	-1175.33	20	-46.52	20
207	-701	215	Min.	0.00	1314.86	20	1853.07	20	-1071.64	20	-204.30	20	10.62	20	-46.52	20
207	-701	215	Min.	123.84	1849.20	20	1853.07	20	1223.28	20	-1710.93	20	-1175.33	20	-46.52	20
207	215	216	Max	61.26	4987.90	20	348.37	20	-636.37	20	1725.00	20	-439.38	20	41.64	20
207	215	216	Max	203.05					-142.42	20			783.58	20		
207	215	216	Max	393.78	6422.45	20	348.37	20	521.99	20	-2320.26	20	-1429.04	20	41.64	20
207	215	216	Min.	61.26	4987.90	20	348.37	20	-636.37	20	1725.00	20	-439.38	20	41.64	20
207	215	216	Min.	203.05					-142.42	20			783.58	20		
207	215	216	Min.	393.78	6422.45	20	348.37	20	521.99	20	-2320.26	20	-1429.04	20	41.64	20
207	216	220	Max	16.49	-7483.80	20	5043.19	20	342.94	20	1251.80	20	-1252.07	20	-650.68	20
207	216	220	Max	48.28	-7346.54	20	5043.19	20	1946.15	20	865.10	20	-915.59	20	-650.68	20
207	216	220	Min.	16.49	-7483.80	20	5043.19	20	342.94	20	1251.80	20	-1252.07	20	-650.68	20
207	216	220	Min.	48.28	-7346.54	20	5043.19	20	1946.15	20	865.10	20	-915.59	20	-650.68	20
207	220	34	Max	0.00	-1518.68	20	-313.47	20	649.67	20	2434.47	20	-1430.08	20	25.28	20
207	220	34	Max	197.28					31.24	20			971.36	20		
207	220	34	Max	391.75	-3002.39	20	-313.47	20	-578.36	20	-2399.69	20	-1361.95	20	25.28	20
207	220	34	Min.	0.00	-1518.68	20	-313.47	20	649.67	20	2434.47	20	-1430.08	20	25.28	20
207	220	34	Min.	197.28					31.24	20			971.36	20		
207	220	34	Min.	391.75	-3002.39	20	-313.47	20	-578.36	20	-2399.69	20	-1361.95	20	25.28	20
207	34	217	Max	0.00	11984.40	20	5914.28	20	-560.82	20	915.53	20	-1361.96	20	-363.88	20
207	34	217	Max	40.00	12034.60	20	5914.28	20	1804.88	20	780.57	20	-1022.74	20	-363.88	20
207	34	217	Min.	0.00	11984.40	20	5914.28	20	-560.82	20	915.53	20	-1361.96	20	-363.88	20
207	34	217	Min.	40.00	12034.60	20	5914.28	20	1804.88	20	780.57	20	-1022.74	20	-363.88	20
207	217	218	Max	12.00	-5068.23	20	325.79	20	-753.78	20	589.19	20	-335.35	20	100.70	20
207	217	218	Max	186.62					-184.89	20			179.06	20		
207	217	218	Max	365.37	-4624.72	20	325.79	20	397.48	20	-603.15	20	-360.03	20	100.70	20
207	217	218	Min.	12.00	-5068.23	20	325.79	20	-753.78	20	589.19	20	-335.35	20	100.70	20
207	217	218	Min.	186.62					-184.89	20			179.06	20		
207	217	218	Min.	365.37	-4624.72	20	325.79	20	397.48	20	-603.15	20	-360.03	20	100.70	20
207	218	-733	Max	30.21	-4950.66	20	517.29	20	-199.90	20	112.77	20	59.33	20	-31.34	20
207	218	-733	Max	63.91					-25.60	20			78.33	20		
207	218	-733	Max	135.60	-4810.91	20	517.29	20	345.26	20	-239.94	20	-7.69	20	-31.34	20
207	218	-733	Min.	30.21	-4950.66	20	517.29	20	-199.90	20	112.77	20	59.33	20	-31.34	20
207	218	-733	Min.	63.91					-25.60	20			78.33	20		
207	218	-733	Min.	135.60	-4810.91	20	517.29	20	345.26	20	-239.94	20	-7.69	20	-31.34	20
208	228	-740	Max	0.00	-1249.69	20	1266.30	20	-833.74	20	524.50	20	-462.34	20	-40.89	20
208	228	-740	Max	123.84	-1373.88	20	1266.30	20	734.49	20	174.34	20	-29.60	20	-40.89	20
208	228	-740	Min.	0.00	-1249.69	20	1266.30	20	-833.74	20	524.50	20	-462.34	20	-40.89	20
208	228	-740	Min.	123.84	-1373.88	20	1266.30	20	734.49	20	174.34	20	-29.60	20	-40.89	20
208	227	228	Max	0.00	511.90	20	216.15	20	-575.23	20	737.77	20	-661.07	20	-53.04	20
208	227	228	Max	260.93					-11.22	20			301.47	20		
208	227	228	Max	472.69	37.90	20	216.15	20	446.49	20	-598.73	20	-332.46	20	-53.04	20
208	227	228	Min.	0.00	511.90	20	216.15	20	-575.23	20	737.77	20	-661.07	20	-53.04	20
208	227	228	Min.	260.93					-11.22	20			301.47	20		
208	227	228	Min.	472.69	37.90	20	216.15	20	446.49	20	-598.73	20	-332.46	20	-53.04	20
208	35	227	Max	0.00	-1641.73	20	-277.94	20	479.82	20	561.47	20	-325.47	20	61.50	20
208	35	227	Max	195.77					-64.30	20			224.13	20		
208	35	227	Max	391.75	-1296.90	20	-277.94	20	-609.00	20	-562.06	20	-326.63	20	61.50	20
208	35	227	Min.	0.00	-1641.73	20	-277.94	20	479.82	20	561.47	20	-325.47	20	61.50	20
208	35	227	Min.	195.77					-64.30	20			224.13	20		
208	35	227	Min.	391.75	-1296.90	20	-277.94	20	-609.00	20	-562.06	20	-326.63	20	61.50	20
208	28	35	Max	0.00	2890.45	20	5502.91	20	-1529.78	20	183.44	20	-376.35	20	-337.20	20
208	28	35	Max	40.00	2848.61	20	5502.91	20	671.38	20	70.97	20	-325.47	20	-337.20	20
208	28	35	Min.	0.00	2890.45	20	5502.91	20	-1529.78	20	183.44	20	-376.35	20	-337.20	20
208	28	35	Min.	40.00	2848.61	20	5502.91	20	671.38	20	70.97	20	-325.47	20	-337.20	20
208	29	28	Max	0.00	911.28	20	282.97	20	-521.22	20	551.72	20	-331.86	20	30.50	20
208	29	28	Max	196.22					34.01	20			209.43	20		
208	29	28	Max	395.83	497.29	20	282.97	20	598.87	20	-561.28	20	-350.77	20	30.50	20
208	29	28	Min.	0.00	911.28	20	282.97	20	-521.22	20	551.72	20	-331.86	20	30.50	20
208	29	28	Min.	196.22					34.01	20			209.43	20		
208	29	28	Min.	395.83	497.29	20	282.97	20	598.87	20	-561.28	20	-350.77	20	30.50	20
208	-739	29	Max	0.00	819.13	20	1307.41	20	-807.72	20	55.78	20	-4.48	20	58.07	20
208	-739	29	Max	20.00					-546.22	20			1.10	20		
208	-739	29	Max	135.60	669.28	20	1307.41	20	965.16	20	-322.42	20	-185.26	20	58.07	20
208	-739	29	Min.	0.00	819.13	20	1307.41	20	-807.72	20	55.78	20	-4.48	20	58.07	20
208	-739	29	Min.	20.00					-546.22	20			1.10	20		
208	-739	29	Min.	135.60	669.28	20	1307.41	20	965.16	20	-322.42	20	-185.26	20	58.07	20
209	-698	-741	Max	0.00	0.00	20	189.66	20	-125.91	20	384.25	20	-237.15	20	-23.98	20
209	-698	-741	Max	115.00	0.00	20	118.87	20	51.50	20	189.74	20	92.89	20	-23.98	20
209	-698	-741	Min.	0.00	0.00	20	189.66	20	-125.91	20	384.25	20	-237.15	20	-23.98	20
209	-698	-741	Min.	115.00	0.00	20	118.87	20	51.50	20	189.74	20	92.89	20	-23.98	20
209	-699	-698	Max	0.00	0.00	20	174.38	20	-167.11	20	468.35	20	-437.07	20	-13.89	20
209	-699	-698	Max	276.89					79.72	20			211.33	20		
209	-699	-698	Max	531.00	0.00	20	-152.53	20	-109.10	20	-429.81	20	-334.76	20	-13.89	20
209	-699	-698	Min.	0.00	0.00	20	174.38	20	-167.11	20	468.35	20	-437.07	20	-13.89	20
209	-699	-698	Min.	283.24					79.85	20			210.99	20		
209	-699	-698	Min.	531.00	0.00	20	-152.53	20	-109.10	20	-429.81	20	-334.76	20	-13.89	20
209	-700	-699	Max	0.00	0.00	20	51.78	20	-10.37	20	179.91	20	-61.12	20	2.56	20

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209	-700	-699	Max	106.36				9.89	20			34.56	20		
209	-700	-699	Max	294.00	0.00	20	-129.21	20	-124.19	20	-317.38	20	-263.20	20	2.56
209	-700	-699	Min.	0.00	0.00	20	51.78	20	-10.37	20	179.91	20	-61.12	20	2.56
209	-700	-699	Min.	84.12					11.41	20			30.37	20	
209	-700	-699	Min.	294.00	0.00	20	-129.21	20	-124.19	20	-317.38	20	-263.20	20	2.56
209	-701	-700	Max	0.00	0.00	20	24.19	20	50.99	20	129.68	20	48.65	20	18.98
209	-701	-700	Max	76.67					51.44	20			98.36	20	
209	-701	-700	Max	290.00	0.00	20	-154.35	20	-137.74	20	-360.84	20	-286.53	20	18.98
209	-701	-700	Min.	0.00	0.00	20	24.19	20	50.99	20	129.68	20	48.65	20	18.98
209	-701	-700	Min.	39.29					55.74	20			86.54	20	
209	-701	-700	Min.	290.00	0.00	20	-154.35	20	-137.74	20	-360.84	20	-286.53	20	18.98
209	-740	-701	Max	0.00	0.00	20	-155.21	20	101.67	20	-257.35	20	183.25	20	29.60
209	-740	-701	Max	115.00	0.00	20	-226.01	20	-117.53	20	-451.87	20	-224.55	20	29.60
209	-740	-701	Min.	0.00	0.00	20	-155.21	20	101.67	20	-257.35	20	183.25	20	29.60
209	-740	-701	Min.	115.00	0.00	20	-226.01	20	-117.53	20	-451.87	20	-224.55	20	29.60
210	201	229	Max	0.00	0.00	20	840.20	20	-645.66	20	826.96	20	-530.57	20	78.75
210	201	229	Max	115.00	0.00	20	722.21	20	252.73	20	502.76	20	234.02	20	78.75
210	201	229	Min.	0.00	0.00	20	840.20	20	-645.66	20	826.96	20	-530.57	20	78.75
210	201	229	Min.	115.00	0.00	20	722.21	20	252.73	20	502.76	20	234.02	20	78.75
210	-1425	201	Max	0.00	0.00	20	-249.25	20	286.63	20	-31.02	20	170.07	20	104.74
210	-1425	201	Max	150.00	0.00	20	-403.15	20	-202.67	20	-453.88	20	-193.60	20	104.74
210	-1425	201	Min.	0.00	0.00	20	-249.25	20	286.63	20	-31.02	20	170.07	20	104.74
210	-1425	201	Min.	150.00	0.00	20	-403.15	20	-202.67	20	-453.88	20	-193.60	20	104.74
210	207	-1425	Max	65.00	0.00	20	495.15	20	-582.02	20	627.07	20	-511.25	20	104.74
210	207	-1425	Max	287.44					265.54	20			186.18	20	
210	207	-1425	Max	356.00	0.00	20	196.56	20	424.42	20	-193.28	20	119.92	20	104.74
210	207	-1425	Min.	65.00	0.00	20	495.15	20	-582.02	20	627.07	20	-511.25	20	104.74
210	207	-1425	Min.	287.44					265.54	20			186.18	20	
210	207	-1425	Min.	356.00	0.00	20	196.56	20	424.42	20	-193.28	20	119.92	20	104.74
210	212	207	Max	0.00	0.00	20	-11.37	20	150.99	20	305.80	20	-51.98	20	-6.01
210	212	207	Max	108.47					78.29	20			113.88	20	
210	212	207	Max	294.00	0.00	20	-313.03	20	-325.88	20	-523.01	20	-371.28	20	-6.01
210	212	207	Min.	0.00	0.00	20	-11.37	20	150.99	20	305.80	20	-51.98	20	-6.01
210	212	207	Min.	108.47					78.29	20			113.88	20	
210	212	207	Min.	294.00	0.00	20	-313.03	20	-325.88	20	-523.01	20	-371.28	20	-6.01
210	215	212	Max	25.00	0.00	20	-628.62	20	648.51	20	-220.50	20	386.29	20	-168.28
210	215	212	Max	225.00	0.00	20	-833.83	20	-813.94	20	-784.32	20	-618.53	20	-168.28
210	215	212	Min.	25.00	0.00	20	-628.62	20	648.51	20	-220.50	20	386.29	20	-168.28
210	215	212	Min.	225.00	0.00	20	-833.83	20	-813.94	20	-784.32	20	-618.53	20	-168.28
210	228	215	Max	0.00	0.00	20	-642.32	20	380.33	20	-434.77	20	304.78	20	-129.88
210	228	215	Max	115.00	0.00	20	-760.31	20	-426.18	20	-758.97	20	-381.62	20	-129.88
210	228	215	Min.	0.00	0.00	20	-642.32	20	380.33	20	-434.77	20	304.78	20	-129.88
210	228	215	Min.	115.00	0.00	20	-760.31	20	-426.18	20	-758.97	20	-381.62	20	-129.88
211	219	226	Max	0.00	0.00	20	0.00	20	0.00	20	1510.58	20	-1081.40	20	450.52
211	219	226	Max	115.00	0.00	20	0.00	20	0.00	20	1027.58	20	378.04	20	450.52
211	219	226	Min.	0.00	0.00	20	0.00	20	0.00	20	1510.58	20	-1081.40	20	450.52
211	219	226	Min.	115.00	0.00	20	0.00	20	0.00	20	1027.58	20	378.04	20	450.52
211	208	219	Max	50.00	0.00	20	0.00	20	0.00	20	1063.39	20	-922.08	20	-146.96
211	208	219	Max	303.19									424.10	20	
211	208	219	Max	531.00	0.00	20	0.00	20	0.00	20	-956.81	20	-665.77	20	-146.96
211	208	219	Min.	50.00	0.00	20	0.00	20	0.00	20	1063.39	20	-922.08	20	-146.96
211	208	219	Min.	303.19									424.10	20	
211	208	219	Min.	531.00	0.00	20	0.00	20	0.00	20	-956.81	20	-665.77	20	-146.96
211	213	208	Max	0.00	0.00	20	0.00	20	0.00	20	443.78	20	-107.53	20	-3.81
211	213	208	Max	105.66									126.92	20	
211	213	208	Max	294.00	0.00	20	0.00	20	0.00	20	-791.02	20	-617.99	20	-3.81
211	213	208	Min.	0.00	0.00	20	0.00	20	0.00	20	443.78	20	-107.53	20	-3.81
211	213	208	Min.	105.66									126.92	20	
211	213	208	Min.	294.00	0.00	20	0.00	20	0.00	20	-791.02	20	-617.99	20	-3.81
211	220	213	Max	0.00	0.00	20	0.00	20	0.00	20	-115.30	20	504.25	20	180.05
211	220	213	Max	240.00	0.00	20	0.00	20	0.00	20	-1123.30	20	-982.07	20	180.05
211	220	213	Min.	0.00	0.00	20	0.00	20	0.00	20	-115.30	20	504.25	20	180.05
211	220	213	Min.	240.00	0.00	20	0.00	20	0.00	20	-1123.30	20	-982.07	20	180.05
211	227	220	Max	0.00	0.00	20	0.00	20	0.00	20	-1023.24	20	479.74	20	-334.43
211	227	220	Max	115.00	0.00	20	0.00	20	0.00	20	-1506.24	20	-974.71	20	-334.43
211	227	220	Min.	0.00	0.00	20	0.00	20	0.00	20	-1023.24	20	479.74	20	-334.43
211	227	220	Min.	115.00	0.00	20	0.00	20	0.00	20	-1506.24	20	-974.71	20	-334.43
212	203	224	Max	0.00	0.00	20	0.00	20	0.00	20	2901.56	20	-1800.72	20	-134.01
212	203	224	Max	115.00	0.00	20	0.00	20	0.00	20	1521.39	20	742.47	20	-134.01
212	203	224	Min.	0.00	0.00	20	0.00	20	0.00	20	2901.56	20	-1800.72	20	-134.01
212	203	224	Min.	115.00	0.00	20	0.00	20	0.00	20	1521.39	20	742.47	20	-134.01
212	-1426	203	Max	0.00	0.00	20	0.00	20	0.00	20	1864.16	20	-218.52	20	63.02
212	-1426	203	Max	155.33									1229.26	20	
212	-1426	203	Max	374.80	0.00	20	0.00	20	0.00	20	-2633.98	20	-1661.15	20	63.02
212	-1426	203	Min.	0.00	0.00	20	0.00	20	0.00	20	1864.16	20	-218.52	20	63.02
212	-1426	203	Min.	155.33									1229.26	20	
212	-1426	203	Min.	374.80	0.00	20	0.00	20	0.00	20	-2633.98	20	-1661.15	20	63.02
212	-716	-1426	Max	0.00	0.00	20	0.00	20	0.00	20	2538.65	20	-1455.71	20	63.02
212	-716	-1426	Max	56.20	0.00	20	0.00	20	0.00	20	1864.16	20	-218.52	20	63.02

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212	-716	-1426	Min.	0.00	0.00	20	0.00	20	0.00	20	2538.65	20	-1455.71	20	63.02	20
212	-716	-1426	Min.	56.20	0.00	20	0.00	20	0.00	20	1864.16	20	-218.52	20	63.02	20
212	209	-716	Max	50.00	0.00	20	0.00	20	0.00	20	4229.79	20	-1480.70	20	4.87	20
212	209	-716	Max	75.00	0.00	20	0.00	20	0.00	20	3929.75	20	-460.75	20	4.87	20
212	209	-716	Min.	50.00	0.00	20	0.00	20	0.00	20	4229.79	20	-1480.70	20	4.87	20
212	209	-716	Min.	75.00	0.00	20	0.00	20	0.00	20	3929.75	20	-460.75	20	4.87	20
212	-717	209	Max	0.00	0.00	20	0.00	20	0.00	20	-173.68	20	691.65	20	17.00	20
212	-717	209	Max	205.00	0.00	20	0.00	20	0.00	20	-2633.97	20	-2186.19	20	17.00	20
212	-717	209	Min.	0.00	0.00	20	0.00	20	0.00	20	-173.68	20	691.65	20	17.00	20
212	-717	209	Min.	205.00	0.00	20	0.00	20	0.00	20	-2633.97	20	-2186.19	20	17.00	20
212	214	-717	Max	0.00	0.00	20	0.00	20	0.00	20	2819.47	20	-1372.40	20	-1.27	20
212	214	-717	Max	89.00	0.00	20	0.00	20	0.00	20	1751.34	20	661.62	20	-1.27	20
212	214	-717	Min.	0.00	0.00	20	0.00	20	0.00	20	2819.47	20	-1372.40	20	-1.27	20
212	214	-717	Min.	89.00	0.00	20	0.00	20	0.00	20	1751.34	20	661.62	20	-1.27	20
212	217	214	Max	25.00	0.00	20	0.00	20	0.00	20	141.36	20	802.72	20	-29.67	20
212	217	214	Max	36.78									811.05	20		
212	217	214	Max	240.00	0.00	20	0.00	20	0.00	20	-2438.94	20	-1667.17	20	-29.67	20
212	217	214	Min.	25.00	0.00	20	0.00	20	0.00	20	141.36	20	802.72	20	-29.67	20
212	217	214	Min.	36.78									811.05	20		
212	217	214	Min.	240.00	0.00	20	0.00	20	0.00	20	-2438.94	20	-1667.17	20	-29.67	20
212	28	217	Max	0.00	0.00	20	0.00	20	0.00	20	-1532.32	20	1086.74	20	-25.58	20
212	28	217	Max	115.00	0.00	20	0.00	20	0.00	20	-2912.49	20	-1469.02	20	-25.58	20
212	28	217	Min.	0.00	0.00	20	0.00	20	0.00	20	-1532.32	20	1086.74	20	-25.58	20
212	28	217	Min.	115.00	0.00	20	0.00	20	0.00	20	-2912.49	20	-1469.02	20	-25.58	20
213	221	225	Max	0.00	0.00	20	1459.78	20	-837.29	20	1709.04	20	-781.92	20	56.88	20
213	221	225	Max	115.00	0.00	20	967.63	20	558.47	20	356.86	20	405.97	20	56.88	20
213	221	225	Min.	0.00	0.00	20	1459.78	20	-837.29	20	1709.04	20	-781.92	20	56.88	20
213	221	225	Min.	115.00	0.00	20	967.63	20	558.47	20	356.86	20	405.97	20	56.88	20
213	-728	221	Max	0.00	0.00	20	170.21	20	-184.79	20	401.32	20	-151.28	20	-17.66	20
213	-728	221	Max	34.13					-151.62	20			-82.79	20		
213	-728	221	Max	58.33	0.00	20	-79.43	20	-158.31	20	-284.57	20	-117.23	20	-17.66	20
213	-728	221	Min.	0.00	0.00	20	170.21	20	-184.79	20	401.32	20	-151.28	20	-17.66	20
213	-728	221	Min.	39.77					-150.94	20			-84.66	20		
213	-728	221	Min.	58.33	0.00	20	-79.43	20	-158.31	20	-284.57	20	-117.23	20	-17.66	20
213	-729	-728	Max	0.00	0.00	20	-23.80	20	-65.04	20	151.81	20	-38.52	20	17.88	20
213	-729	-728	Max	12.91					-71.68	20			-28.72	20		
213	-729	-728	Max	58.33	0.00	20	-273.44	20	-151.74	20	-534.08	20	-150.02	20	17.88	20
213	-729	-728	Min.	0.00	0.00	20	-23.80	20	-65.04	20	151.81	20	-38.52	20	17.88	20
213	-729	-728	Min.	12.91					-71.68	20			-28.72	20		
213	-729	-728	Min.	58.33	0.00	20	-273.44	20	-151.74	20	-534.08	20	-150.02	20	17.88	20
213	222	-729	Max	0.00	0.00	20	324.18	20	-190.20	20	599.33	20	-184.03	20	15.23	20
213	222	-729	Max	50.97					-80.56	20			-31.29	20		
213	222	-729	Max	58.33	0.00	20	74.53	20	-73.91	20	-86.56	20	-34.48	20	15.23	20
213	222	-729	Min.	0.00	0.00	20	324.18	20	-190.20	20	599.33	20	-184.03	20	15.23	20
213	222	-729	Min.	50.97					-80.56	20			-31.29	20		
213	222	-729	Min.	58.33	0.00	20	74.53	20	-73.91	20	-86.56	20	-34.48	20	15.23	20
213	223	222	Max	25.00	0.00	20	822.62	20	-490.33	20	1669.57	20	-782.71	20	11.08	20
213	223	222	Max	166.99					246.30	20			402.63	20		
213	223	222	Max	281.00	0.00	20	-272.96	20	213.23	20	-1340.50	20	-361.50	20	11.08	20
213	223	222	Min.	25.00	0.00	20	822.62	20	-490.33	20	1669.57	20	-782.71	20	11.08	20
213	223	222	Min.	217.22					300.28	20			254.32	20		
213	223	222	Min.	281.00	0.00	20	-272.96	20	213.23	20	-1340.50	20	-361.50	20	11.08	20
213	210	223	Max	25.00	-0.00	20	515.84	20	-338.53	20	1456.78	20	-665.26	20	11.23	20
213	210	223	Max	148.90					-27.89	20			237.18	20		
213	210	223	Max	280.00	-0.00	20	-575.46	20	-414.54	20	-1541.54	20	-773.33	20	11.23	20
213	210	223	Min.	25.00	-0.00	20	515.84	20	-338.53	20	1456.78	20	-665.26	20	11.23	20
213	210	223	Min.	145.53					-27.65	20			236.52	20		
213	210	223	Min.	280.00	-0.00	20	-575.46	20	-414.54	20	-1541.54	20	-773.33	20	11.23	20
213	218	210	Max	25.00	-0.00	20	338.86	20	333.40	20	1783.50	20	-663.19	20	21.78	20
213	218	210	Max	176.68					355.07	20			689.45	20		
213	218	210	Max	379.00	-0.00	20	-1176.12	20	-1148.54	20	-2378.86	20	-1716.98	20	21.78	20
213	218	210	Min.	25.00	-0.00	20	338.86	20	333.40	20	1783.50	20	-663.19	20	21.78	20
213	218	210	Min.	104.18					467.55	20			380.41	20		
213	218	210	Min.	379.00	-0.00	20	-1176.12	20	-1148.54	20	-2378.86	20	-1716.98	20	21.78	20
213	29	218	Max	0.00	0.00	20	-1161.84	20	523.54	20	-522.15	20	408.21	20	-146.59	20
213	29	218	Max	115.00	0.00	20	-1654.00	20	-1095.56	20	-1874.33	20	-969.76	20	-146.59	20
213	29	218	Min.	0.00	0.00	20	-1161.84	20	523.54	20	-522.15	20	408.21	20	-146.59	20
213	29	218	Min.	115.00	0.00	20	-1654.00	20	-1095.56	20	-1874.33	20	-969.76	20	-146.59	20
214	-730	-738	Max	0.00	0.00	20	470.54	20	-291.92	20	949.13	20	-551.80	20	33.70	20
214	-730	-738	Max	115.00	0.00	20	304.27	20	153.59	20	492.31	20	277.03	20	33.70	20
214	-730	-738	Min.	0.00	0.00	20	470.54	20	-291.92	20	949.13	20	-551.80	20	33.70	20
214	-730	-738	Min.	115.00	0.00	20	304.27	20	153.59	20	492.31	20	277.03	20	33.70	20
214	-731	-730	Max	0.00	0.00	20	325.52	20	-217.22	20	898.41	20	-629.69	20	3.35	20
214	-731	-730	Max	226.17					149.22	20			386.26	20		
214	-731	-730	Max	456.00	0.00	20	-333.77	20	-236.03	20	-912.98	20	-662.90	20	3.35	20
214	-731	-730	Min.	0.00	0.00	20	325.52	20	-217.22	20	898.41	20	-629.69	20	3.35	20
214	-731	-730	Min.	225.15					149.23	20			386.24	20		
214	-731	-730	Min.	456.00	0.00	20	-333.77	20	-236.03	20	-912.98	20	-662.90	20	3.35	20
214	-732	-731	Max	0.00	0.00	20	197.09	20	-159.30	20	546.67	20	-373.40	20	-3.95	20

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214	-732	-731	Max	137.62					-24.98	20				2.76	20		
214	-732	-731	Max	280.00	0.00	20	-207.74	20	-174.20	20	-565.59	20	-399.88	20	-3.95	20	
214	-732	-731	Min.	0.00	0.00	20	197.09	20	-159.30	20	546.67	20	-373.40	20	-3.95	20	
214	-732	-731	Min.	136.32					-24.96	20				2.73	20		
214	-732	-731	Min.	280.00	0.00	20	-207.74	20	-174.20	20	-565.59	20	-399.88	20	-3.95	20	
214	-733	-732	Max	0.00	0.00	20	228.19	20	-63.33	20	671.77	20	-281.63	20	-12.18	20	
214	-733	-732	Max	169.11					115.83	20				286.39	20		
214	-733	-732	Max	379.00	0.00	20	-319.77	20	-236.86	20	-833.75	20	-588.57	20	-12.18	20	
214	-733	-732	Min.	0.00	0.00	20	228.19	20	-63.33	20	671.77	20	-281.63	20	-12.18	20	
214	-733	-732	Min.	157.83					116.75	20				283.87	20		
214	-733	-732	Min.	379.00	0.00	20	-319.77	20	-236.86	20	-833.75	20	-588.57	20	-12.18	20	
214	-739	-733	Max	0.00	0.00	20	-202.32	20	121.65	20	-302.65	20	214.89	20	-4.48	20	
214	-739	-733	Max	115.00	0.00	20	-368.59	20	-206.62	20	-759.47	20	-395.82	20	-4.48	20	
214	-739	-733	Min.	0.00	0.00	20	-202.32	20	121.65	20	-302.65	20	214.89	20	-4.48	20	
214	-739	-733	Min.	115.00	0.00	20	-368.59	20	-206.62	20	-759.47	20	-395.82	20	-4.48	20	
504	-734	-735	Max	25.00	0.00	20	0.00	20	0.00	20	1164.81	20	-441.96	20	2.83	20	
504	-734	-735	Max	201.85									588.00	20			
504	-734	-735	Max	420.50	0.00	20	0.00	20	0.00	20	-1440.19	20	-986.51	20	2.83	20	
504	-734	-735	Min.	25.00	0.00	20	0.00	20	0.00	20	1164.81	20	-441.96	20	2.83	20	
504	-734	-735	Min.	201.85									588.00	20			
504	-734	-735	Min.	420.50	0.00	20	0.00	20	0.00	20	-1440.19	20	-986.51	20	2.83	20	
506	-736	-737	Max	25.00	0.00	20	0.00	20	0.00	20	1156.98	20	-428.15	20	20.69	20	
506	-736	-737	Max	200.66									588.00	20			
506	-736	-737	Max	420.50	0.00	20	0.00	20	0.00	20	-1448.02	20	-1003.69	20	20.69	20	
506	-736	-737	Min.	25.00	0.00	20	0.00	20	0.00	20	1156.98	20	-428.15	20	20.69	20	
506	-736	-737	Min.	200.66									588.00	20			
506	-736	-737	Min.	420.50	0.00	20	0.00	20	0.00	20	-1448.02	20	-1003.69	20	20.69	20	
510	-734	-736	Max	0.00	0.00	20	0.00	20	0.00	20	373.09	20	-217.85	20	0.87	20	
510	-734	-736	Max	162.22									84.75	20			
510	-734	-736	Max	294.00	0.00	20	0.00	20	0.00	20	-303.11	20	-114.97	20	0.87	20	
510	-734	-736	Min.	0.00	0.00	20	0.00	20	0.00	20	373.09	20	-217.85	20	0.87	20	
510	-734	-736	Min.	162.22									84.75	20			
510	-734	-736	Min.	294.00	0.00	20	0.00	20	0.00	20	-303.11	20	-114.97	20	0.87	20	
511	-735	-737	Max	0.00	0.00	20	0.00	20	0.00	20	241.99	20	-167.34	20	1.91	20	
511	-735	-737	Max	193.59									66.90	20			
511	-735	-737	Max	294.00	0.00	20	0.00	20	0.00	20	-125.51	20	3.89	20	1.91	20	
511	-735	-737	Min.	0.00	0.00	20	0.00	20	0.00	20	241.99	20	-167.34	20	1.91	20	
511	-735	-737	Min.	193.59									66.90	20			
511	-735	-737	Min.	294.00	0.00	20	0.00	20	0.00	20	-125.51	20	3.89	20	1.91	20	

Sollecitazioni elementi bidimensionali

Simbologia

σ_{xx} = Tensione normale sulle facce perp. all'asse X
 σ_{zz} = Tensione normale sulle facce perp. all'asse Z
 τ_{xy} = Tensione in dir. Y sulle facce perp. all'asse X
 τ_{xz} = Tensione in dir. Z sulle facce perp. all'asse X
 τ_{zy} = Tensione in dir. Y sulle facce perp. all'asse Z
 Bid. = Numero del muro/elemento bidimensionale
 CC = Numero della combinazione delle condizioni di carico elementari
 Mxx = Momento che provoca variazione di tensione sulle facce perp. all'asse X
 Mxz = Momento che provoca variazione di tensione tangenziale sulle facce perp. all'asse X
 Mzz = Momento che provoca variazione di tensione sulle facce perp. all'asse Z
 Nodo = Numero del nodo
 TCC = Tipo di combinazione di carico
 SLU = Stato limite ultimo
 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
 SND = Stato limite di salvaguardia della vita (non dissipativo)

Bid. 103

	CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max		CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max
σ_{xx} <daN/mq>	5	SND	-105	-71378	13	SND	-680	49339	σ_{zz} <daN/mq>	5	SND	-134	-703526	13	SND	-681	460329
τ_{xz} <daN/mq>	13	SND	-105	-130617	5	SND	-680	175440	Mxx <daNm/m>	9	SND	-679	-638	1	SND	-105	639
Mzz <daNm/m>	9	SND	-48	-7496	1	SND	-678	7747	Mxz <daNm/m>	1	SND	-706	-927	9	SND	120	833
τ_{zy} <daN/mq>	1	SND	-714	-22059	9	SND	-707	23568	τ_{xy} <daN/mq>	9	SND	-706	-7089	1	SND	120	6100

Bid. 203

	CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max		CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max
σ_{xx} <daN/mq>	5	SND	-728	-84808	13	SND	221	69071	σ_{zz} <daN/mq>	5	SND	-719	-266508	13	SND	-718	193138
τ_{xz} <daN/mq>	5	SND	-728	-127631	13	SND	-726	122778	Mxx <daNm/m>	1	SND	-725	-451	9	SND	-724	467
Mzz <daNm/m>	1	SND	-728	-6742	9	SND	221	6936	Mxz <daNm/m>	9	SND	-725	-1376	1	SND	-724	1419
τ_{zy} <daN/mq>	1	SND	-728	-38570	9	SND	221	42869	τ_{xy} <daN/mq>	9	SND	-725	-19029	1	SND	-724	18037

Bid. 502

	CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max		CC	TCC	Nodo	Min.	CC	TCC	Nodo	Max
σ_{xx} <daN/mq>	1	SND	-870	0	1	SND	-1018	0	σ_{zz} <daN/mq>	1	SND	-863	0	1	SND	-1416	0
τ_{xz} <daN/mq>	1	SND	-849	0	1	SND	-1420	0	M_{xx} <daNm/m>	9	SND	1	-17667	1	SND	1	18318
M_{zz} <daNm/m>	13	SND	-944	-14837	5	SND	-797	17585	M_{xz} <daNm/m>	9	SND	-30	-7345	13	SND	-1018	7513
τ_{xy} <daN/mq>	5	SND	-944	-63392	5	SND	-761	77412	τ_{xy} <daN/mq>	5	SND	-105	-75548	5	SND	-134	77622

Sollecitazioni nuclei

Simbologia

CC = Numero della combinazione delle condizioni di carico elementari
Liv. = Numero del livello
Mx = Momento flettente intorno all'asse X
My = Momento flettente intorno all'asse Y
Mz = Momento flettente intorno all'asse Z
N = Sforzo normale
Nucleo = Numero del nucleo
TCC = Tipo di combinazione di carico
SLU = Stato limite ultimo
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
SND = Stato limite di salvaguardia della vita (non dissipativo)
Tx = Taglio in dir. X
Ty = Taglio in dir. Y
Xg = Coord. baricentrica X
Yg = Coord. baricentrica Y
Z = Coordinata Z

Nucleo	Liv.	Xg <cm>	Yg <cm>	CC	TCC	Z <cm>	N <daN>	Tx <daN>	Ty <daN>	Mx <daNm>	My <daNm>	Mz <daNm>
103	1	12.29	2.02	1	SND	0.00	-22663.20	-309.77	-4086.68	-19340.90	927.94	305.61
103	1	12.29	2.02±			0.00	4266.49	4467.14	10505.10	37051.50	13484.90	687.12
103	1	12.29	2.02	2	SLD	0.00	-22225.10	-156.54	-3367.65	-16185.00	483.31	127.57
103	1	12.29	2.02±			0.00	2099.36	2198.09	5169.11	18231.50	6635.35	338.10
103	1	12.29	2.02	3	SND	0.00	-22663.20	-309.77	-4086.68	-19340.90	927.94	305.61
103	1	12.29	2.02±			0.00	-1327.10	4346.36	-7101.28	-24453.70	13208.10	615.88
103	1	12.29	2.02	4	SLD	0.00	-22225.10	-156.54	-3367.65	-16185.00	483.31	127.57
103	1	12.29	2.02±			0.00	-653.01	2138.66	-3494.24	-12032.60	6499.16	303.05
103	1	12.29	2.02	5	SND	0.00	-22663.20	-309.77	-4086.68	-19340.90	927.94	305.61
103	1	12.29	2.02±			0.00	9763.55	1523.33	29854.50	104398.00	4465.25	314.19
103	1	12.29	2.02	6	SLD	0.00	-22225.10	-156.54	-3367.65	-16185.00	483.31	127.57
103	1	12.29	2.02±			0.00	4804.23	749.57	14690.10	51369.90	2197.16	154.60
103	1	12.29	2.02	7	SND	0.00	-22663.20	-309.77	-4086.68	-19340.90	927.94	305.61
103	1	12.29	2.02±			0.00	8881.73	-1120.72	28833.40	100619.00	-3542.66	-76.71
103	1	12.29	2.02	8	SLD	0.00	-22225.10	-156.54	-3367.65	-16185.00	483.31	127.57
103	1	12.29	2.02±			0.00	4370.32	-551.46	14187.70	49510.30	-1743.20	-37.75
103	1	12.29	2.02	9	SND	0.00	-20938.50	293.58	-1255.54	-6914.62	-822.77	-395.41
103	1	12.29	2.02±			0.00	4266.49	4467.14	10505.10	37051.50	13484.90	687.12
103	1	12.29	2.02	10	SLD	0.00	-21376.50	140.34	-1974.56	-10070.50	-378.14	-217.37
103	1	12.29	2.02±			0.00	2099.36	2198.09	5169.11	18231.50	6635.35	338.10
103	1	12.29	2.02	11	SND	0.00	-20938.50	293.58	-1255.54	-6914.62	-822.77	-395.41
103	1	12.29	2.02±			0.00	-1327.10	4346.36	-7101.28	-24453.70	13208.10	615.88
103	1	12.29	2.02	12	SLD	0.00	-21376.50	140.34	-1974.56	-10070.50	-378.14	-217.37
103	1	12.29	2.02±			0.00	-653.01	2138.66	-3494.24	-12032.60	6499.16	303.05
103	1	12.29	2.02	13	SND	0.00	-20938.50	293.58	-1255.54	-6914.62	-822.77	-395.41
103	1	12.29	2.02±			0.00	9763.55	1523.33	29854.50	104398.00	4465.25	314.19
103	1	12.29	2.02	14	SLD	0.00	-21376.50	140.34	-1974.56	-10070.50	-378.14	-217.37
103	1	12.29	2.02±			0.00	4804.23	749.57	14690.10	51369.90	2197.16	154.60
103	1	12.29	2.02	15	SND	0.00	-20938.50	293.58	-1255.54	-6914.62	-822.77	-395.41
103	1	12.29	2.02±			0.00	8881.73	-1120.72	28833.40	100619.00	-3542.66	-76.71
103	1	12.29	2.02	16	SLD	0.00	-21376.50	140.34	-1974.56	-10070.50	-378.14	-217.37
103	1	12.29	2.02±			0.00	4370.32	-551.46	14187.70	49510.30	-1743.20	-37.75
103	1	12.29	2.02	17	SLU	0.00	-35512.60	-28.39	-3986.11	-20376.70	118.57	-63.70
103	1	12.29	2.02	18	SLE R	0.00	-26191.60	-15.48	-2899.09	-14729.90	73.29	-49.31
103	1	12.29	2.02	19	SLE F	0.00	-22609.70	-8.71	-2711.19	-13437.90	53.86	-45.76
103	1	12.29	2.02	20	SLE Q	0.00	-21800.80	-8.10	-2671.11	-13127.80	52.58	-44.90
103	1	12.29	2.02	1	SND	0.67	-21830.20	-309.77	-4086.68	-16620.30	721.72	305.61
103	1	12.29	2.02±			0.67	4266.48	4467.14	10505.10	30067.10	10519.00	687.12
103	1	12.29	2.02	2	SLD	0.67	-21392.20	-156.54	-3367.65	-13943.00	379.10	127.57
103	1	12.29	2.02±			0.67	2099.35	2198.09	5169.11	14794.80	5175.93	338.10
103	1	12.29	2.02	3	SND	0.67	-21830.20	-309.77	-4086.68	-16620.30	721.72	305.61
103	1	12.29	2.02±			0.67	-1327.09	4346.36	-7101.28	-19719.00	10306.80	615.88
103	1	12.29	2.02	4	SLD	0.67	-21392.20	-156.54	-3367.65	-13943.00	379.10	127.57
103	1	12.29	2.02±			0.67	-653.01	2138.66	-3494.24	-9702.88	5071.55	303.05
103	1	12.29	2.02	5	SND	0.67	-21830.20	-309.77	-4086.68	-16620.30	721.72	305.61
103	1	12.29	2.02±			0.67	9763.54	1523.33	29854.50	84529.10	3477.41	314.19

Relazione di calcolo

103	1	12.29	2.02	6	SLD	0.67	-21392.20	-156.54	-3367.65	-13943.00	379.10	127.57
103	1	12.29	2.02	±		0.67	4804.22	749.57	14690.10	41593.20	1711.09	154.60
103	1	12.29	2.02	7	SND	0.67	-21830.20	-309.77	-4086.68	-16620.30	721.72	305.61
103	1	12.29	2.02	±		0.67	8881.72	-1120.72	28833.40	81424.60	-2770.32	-76.71
103	1	12.29	2.02	8	SLD	0.67	-21392.20	-156.54	-3367.65	-13943.00	379.10	127.57
103	1	12.29	2.02	±		0.67	4370.32	-551.46	14187.70	40065.60	-1363.16	-37.75
103	1	12.29	2.02	9	SND	0.67	-20105.60	293.58	-1255.54	-6078.49	-627.33	-395.41
103	1	12.29	2.02	±		0.67	4266.48	4467.14	10505.10	30067.10	10519.00	687.12
103	1	12.29	2.02	10	SLD	0.67	-20543.60	140.34	-1974.56	-8755.80	-284.71	-217.37
103	1	12.29	2.02	±		0.67	2099.35	2198.09	5169.11	14794.80	5175.93	338.10
103	1	12.29	2.02	11	SND	0.67	-20105.60	293.58	-1255.54	-6078.49	-627.33	-395.41
103	1	12.29	2.02	±		0.67	-1327.09	4346.36	-7101.28	-19719.00	10306.80	615.88
103	1	12.29	2.02	12	SLD	0.67	-20543.60	140.34	-1974.56	-8755.80	-284.71	-217.37
103	1	12.29	2.02	±		0.67	-653.01	2138.66	-3494.24	-9702.88	5071.55	303.05
103	1	12.29	2.02	13	SND	0.67	-20105.60	293.58	-1255.54	-6078.49	-627.33	-395.41
103	1	12.29	2.02	±		0.67	9763.54	1523.33	29854.50	84529.10	3477.41	314.19
103	1	12.29	2.02	14	SLD	0.67	-20543.60	140.34	-1974.56	-8755.80	-284.71	-217.37
103	1	12.29	2.02	±		0.67	4804.22	749.57	14690.10	41593.20	1711.09	154.60
103	1	12.29	2.02	15	SND	0.67	-20105.60	293.58	-1255.54	-6078.49	-627.33	-395.41
103	1	12.29	2.02	±		0.67	8881.72	-1120.72	28833.40	81424.60	-2770.32	-76.71
103	1	12.29	2.02	16	SLD	0.67	-20543.60	140.34	-1974.56	-8755.80	-284.71	-217.37
103	1	12.29	2.02	±		0.67	4370.32	-551.46	14187.70	40065.60	-1363.16	-37.75
103	1	12.29	2.02	17	SLU	0.67	-34041.80	-28.39	-3986.11	-17722.80	99.67	-63.70
103	1	12.29	2.02	18	SLE R	0.67	-25114.00	-15.48	-2899.10	-12799.80	62.99	-49.31
103	1	12.29	2.02	19	SLE F	0.67	-21706.80	-8.71	-2711.19	-11632.80	48.07	-45.76
103	1	12.29	2.02	20	SLE Q	0.67	-20967.90	-8.10	-2671.11	-11349.40	47.19	-44.90
103	2	12.29	2.02	1	SND	0.67	-21830.20	-309.77	-4086.68	-16620.30	721.72	305.61
103	2	12.29	2.02	±		0.67	4266.48	4467.14	10505.10	30067.10	10519.00	687.12
103	2	12.29	2.02	2	SLD	0.67	-21392.20	-156.54	-3367.65	-13943.00	379.10	127.57
103	2	12.29	2.02	±		0.67	2099.36	2198.09	5169.11	14794.80	5175.93	338.10
103	2	12.29	2.02	3	SND	0.67	-21830.20	-309.77	-4086.68	-16620.30	721.72	305.61
103	2	12.29	2.02	±		0.67	-1327.10	4346.36	-7101.28	-19719.00	10306.80	615.88
103	2	12.29	2.02	4	SLD	0.67	-21392.20	-156.54	-3367.65	-13943.00	379.10	127.57
103	2	12.29	2.02	±		0.67	-653.01	2138.66	-3494.24	-9702.88	5071.55	303.05
103	2	12.29	2.02	5	SND	0.67	-21830.20	-309.77	-4086.68	-16620.30	721.72	305.61
103	2	12.29	2.02	±		0.67	9763.54	1523.33	29854.50	84529.10	3477.41	314.19
103	2	12.29	2.02	6	SLD	0.67	-21392.20	-156.54	-3367.65	-13943.00	379.10	127.57
103	2	12.29	2.02	±		0.67	4804.22	749.57	14690.10	41593.20	1711.09	154.60
103	2	12.29	2.02	7	SND	0.67	-21830.20	-309.77	-4086.68	-16620.30	721.72	305.61
103	2	12.29	2.02	±		0.67	8881.72	-1120.72	28833.40	81424.60	-2770.32	-76.71
103	2	12.29	2.02	8	SLD	0.67	-21392.20	-156.54	-3367.65	-13943.00	379.10	127.57
103	2	12.29	2.02	±		0.67	4370.32	-551.46	14187.70	40065.60	-1363.16	-37.75
103	2	12.29	2.02	9	SND	0.67	-20105.60	293.58	-1255.54	-6078.50	-627.33	-395.41
103	2	12.29	2.02	±		0.67	4266.48	4467.14	10505.10	30067.10	10519.00	687.12
103	2	12.29	2.02	10	SLD	0.67	-20543.60	140.34	-1974.56	-8755.80	-284.71	-217.37
103	2	12.29	2.02	±		0.67	2099.36	2198.09	5169.11	14794.80	5175.93	338.10
103	2	12.29	2.02	11	SND	0.67	-20105.60	293.58	-1255.54	-6078.50	-627.33	-395.41
103	2	12.29	2.02	±		0.67	-1327.10	4346.36	-7101.28	-19719.00	10306.80	615.88
103	2	12.29	2.02	12	SLD	0.67	-20543.60	140.34	-1974.56	-8755.80	-284.71	-217.37
103	2	12.29	2.02	±		0.67	-653.01	2138.66	-3494.24	-9702.88	5071.55	303.05
103	2	12.29	2.02	13	SND	0.67	-20105.60	293.58	-1255.54	-6078.50	-627.33	-395.41
103	2	12.29	2.02	±		0.67	9763.54	1523.33	29854.50	84529.10	3477.41	314.19
103	2	12.29	2.02	14	SLD	0.67	-20543.60	140.34	-1974.56	-8755.80	-284.71	-217.37
103	2	12.29	2.02	±		0.67	4804.22	749.57	14690.10	41593.20	1711.09	154.60
103	2	12.29	2.02	15	SND	0.67	-20105.60	293.58	-1255.54	-6078.50	-627.33	-395.41
103	2	12.29	2.02	±		0.67	8881.72	-1120.72	28833.40	81424.60	-2770.32	-76.71
103	2	12.29	2.02	16	SLD	0.67	-20543.60	140.34	-1974.56	-8755.80	-284.71	-217.37
103	2	12.29	2.02	±		0.67	4370.32	-551.46	14187.70	40065.60	-1363.16	-37.75
103	2	12.29	2.02	17	SLU	0.67	-34041.80	-28.39	-3986.11	-17722.80	99.67	-63.70
103	2	12.29	2.02	18	SLE R	0.67	-25114.00	-15.48	-2899.09	-12799.80	62.99	-49.31
103	2	12.29	2.02	19	SLE F	0.67	-21706.80	-8.71	-2711.19	-11632.80	48.07	-45.76
103	2	12.29	2.02	20	SLE Q	0.67	-20967.90	-8.10	-2671.11	-11349.40	47.19	-44.90
103	2	12.29	2.02	1	SND	1.33	-20997.20	-309.77	-4086.68	-13899.70	515.49	305.61
103	2	12.29	2.02	±		1.33	4266.48	4467.14	10505.10	23087.50	7560.38	687.12
103	2	12.29	2.02	2	SLD	1.33	-20559.20	-156.54	-3367.65	-11701.00	274.88	127.57
103	2	12.29	2.02	±		1.33	2099.36	2198.09	5169.11	11360.40	3720.14	338.10
103	2	12.29	2.02	3	SND	1.33	-20997.20	-309.77	-4086.68	-13899.70	515.49	305.61
103	2	12.29	2.02	±		1.33	-1327.09	4346.36	-7101.28	-14980.20	7398.13	615.88
103	2	12.29	2.02	4	SLD	1.33	-20559.20	-156.54	-3367.65	-11701.00	274.88	127.57
103	2	12.29	2.02	±		1.33	-653.01	2138.66	-3494.24	-7371.10	3640.31	303.05
103	2	12.29	2.02	5	SND	1.33	-20997.20	-309.77	-4086.68	-13899.70	515.49	305.61
103	2	12.29	2.02	±		1.33	9763.54	1523.33	29854.50	64662.30	2514.19	314.19
103	2	12.29	2.02	6	SLD	1.33	-20559.20	-156.54	-3367.65	-11701.00	274.88	127.57
103	2	12.29	2.02	±		1.33	4804.22	749.57	14690.10	31817.60	1237.12	154.60
103	2	12.29	2.02	7	SND	1.33	-20997.20	-309.77	-4086.68	-13899.70	515.49	305.61
103	2	12.29	2.02	±		1.33	8881.72	-1120.72	28833.40	62230.10	-1973.37	-76.71
103	2	12.29	2.02	8	SLD	1.33	-20559.20	-156.54	-3367.65	-11701.00	274.88	127.57
103	2	12.29	2.02	±		1.33	4370.32	-551.46	14187.70	30620.80	-971.01	-37.75
103	2	12.29	2.02	9	SND	1.33	-19272.60	293.58	-1255.54	-5242.40	-431.89	-395.41

Relazione di calcolo

103	2	12.29	2.02	±		1.33	4266.48	4467.14	10505.10	23087.50	7560.38	687.12
103	2	12.29	2.02	10	SLD	1.33	-19710.60	140.34	-1974.56	-7441.11	-191.28	-217.37
103	2	12.29	2.02	±		1.33	2099.36	2198.09	5169.11	11360.40	3720.14	338.10
103	2	12.29	2.02	11	SND	1.33	-19272.60	293.58	-1255.54	-5242.40	-431.89	-395.41
103	2	12.29	2.02	±		1.33	-1327.09	4346.36	-7101.28	-14980.20	7398.13	615.88
103	2	12.29	2.02	12	SLD	1.33	-19710.60	140.34	-1974.56	-7441.11	-191.28	-217.37
103	2	12.29	2.02	±		1.33	-653.01	2138.66	-3494.24	-7371.10	3640.31	303.05
103	2	12.29	2.02	13	SND	1.33	-19272.60	293.58	-1255.54	-5242.40	-431.89	-395.41
103	2	12.29	2.02	±		1.33	9763.54	1523.33	29854.50	64662.30	2514.19	314.19
103	2	12.29	2.02	14	SLD	1.33	-19710.60	140.34	-1974.56	-7441.11	-191.28	-217.37
103	2	12.29	2.02	±		1.33	4804.22	749.57	14690.10	31817.60	1237.12	154.60
103	2	12.29	2.02	15	SND	1.33	-19272.60	293.58	-1255.54	-5242.40	-431.89	-395.41
103	2	12.29	2.02	±		1.33	8881.72	-1120.72	28833.40	62230.10	-1973.37	-76.71
103	2	12.29	2.02	16	SLD	1.33	-19710.60	140.34	-1974.56	-7441.11	-191.28	-217.37
103	2	12.29	2.02	±		1.33	4370.32	-551.46	14187.70	30620.80	-971.01	-37.75
103	2	12.29	2.02	17	SLU	1.33	-32570.90	-28.39	-3986.11	-15069.00	80.77	-63.70
103	2	12.29	2.02	18	SLE R	1.33	-24036.30	-15.48	-2899.09	-10869.60	52.68	-49.31
103	2	12.29	2.02	19	SLE F	1.33	-20804.00	-8.71	-2711.19	-9827.81	42.27	-45.76
103	2	12.29	2.02	20	SLE Q	1.33	-20134.90	-8.10	-2671.11	-9571.05	41.80	-44.90
103	3	12.29	2.02	1	SND	1.33	-20997.20	-309.77	-4086.68	-13899.70	515.49	305.61
103	3	12.29	2.02	±		1.33	4266.49	4467.14	10505.10	23087.50	7560.38	687.12
103	3	12.29	2.02	2	SLD	1.33	-20559.20	-156.54	-3367.65	-11701.00	274.88	127.57
103	3	12.29	2.02	±		1.33	2099.36	2198.09	5169.11	11360.40	3720.14	338.10
103	3	12.29	2.02	3	SND	1.33	-20997.20	-309.77	-4086.68	-13899.70	515.49	305.61
103	3	12.29	2.02	±		1.33	-1327.10	4346.36	-7101.28	-14980.20	7398.13	615.88
103	3	12.29	2.02	4	SLD	1.33	-20559.20	-156.54	-3367.65	-11701.00	274.88	127.57
103	3	12.29	2.02	±		1.33	-653.01	2138.66	-3494.24	-7371.10	3640.31	303.05
103	3	12.29	2.02	5	SND	1.33	-20997.20	-309.77	-4086.68	-13899.70	515.49	305.61
103	3	12.29	2.02	±		1.33	9763.54	1523.33	29854.50	64662.30	2514.19	314.19
103	3	12.29	2.02	6	SLD	1.33	-20559.20	-156.54	-3367.65	-11701.00	274.88	127.57
103	3	12.29	2.02	±		1.33	4804.23	749.57	14690.10	31817.60	1237.12	154.60
103	3	12.29	2.02	7	SND	1.33	-20997.20	-309.77	-4086.68	-13899.70	515.49	305.61
103	3	12.29	2.02	±		1.33	8881.73	-1120.72	28833.40	62230.10	-1973.37	-76.71
103	3	12.29	2.02	8	SLD	1.33	-20559.20	-156.54	-3367.65	-11701.00	274.88	127.57
103	3	12.29	2.02	±		1.33	4370.32	-551.46	14187.70	30620.80	-971.01	-37.75
103	3	12.29	2.02	9	SND	1.33	-19272.60	293.58	-1255.54	-5242.40	-431.89	-395.41
103	3	12.29	2.02	±		1.33	4266.49	4467.14	10505.10	23087.50	7560.38	687.12
103	3	12.29	2.02	10	SLD	1.33	-19710.60	140.34	-1974.56	-7441.11	-191.28	-217.37
103	3	12.29	2.02	±		1.33	2099.36	2198.09	5169.11	11360.40	3720.14	338.10
103	3	12.29	2.02	11	SND	1.33	-19272.60	293.58	-1255.54	-5242.40	-431.89	-395.41
103	3	12.29	2.02	±		1.33	-1327.10	4346.36	-7101.28	-14980.20	7398.13	615.88
103	3	12.29	2.02	12	SLD	1.33	-19710.60	140.34	-1974.56	-7441.11	-191.28	-217.37
103	3	12.29	2.02	±		1.33	-653.01	2138.66	-3494.24	-7371.10	3640.31	303.05
103	3	12.29	2.02	13	SND	1.33	-19272.60	293.58	-1255.54	-5242.40	-431.89	-395.41
103	3	12.29	2.02	±		1.33	9763.54	1523.33	29854.50	64662.30	2514.19	314.19
103	3	12.29	2.02	14	SLD	1.33	-19710.60	140.34	-1974.56	-7441.11	-191.28	-217.37
103	3	12.29	2.02	±		1.33	4804.23	749.57	14690.10	31817.60	1237.12	154.60
103	3	12.29	2.02	15	SND	1.33	-19272.60	293.58	-1255.54	-5242.40	-431.89	-395.41
103	3	12.29	2.02	±		1.33	8881.73	-1120.72	28833.40	62230.10	-1973.37	-76.71
103	3	12.29	2.02	16	SLD	1.33	-19710.60	140.34	-1974.56	-7441.11	-191.28	-217.37
103	3	12.29	2.02	±		1.33	4370.32	-551.46	14187.70	30620.80	-971.01	-37.75
103	3	12.29	2.02	17	SLU	1.33	-32570.90	-28.39	-3986.11	-15069.00	80.77	-63.70
103	3	12.29	2.02	18	SLE R	1.33	-24036.30	-15.48	-2899.09	-10869.60	52.68	-49.31
103	3	12.29	2.02	19	SLE F	1.33	-20804.00	-8.71	-2711.19	-9827.81	42.27	-45.76
103	3	12.29	2.02	20	SLE Q	1.33	-20134.90	-8.10	-2671.11	-9571.06	41.80	-44.90
103	3	12.29	2.02	1	SND	2.00	-20164.20	-309.77	-4086.68	-11179.20	309.27	305.61
103	3	12.29	2.02	±		2.00	4266.48	4467.14	10505.10	16118.10	4617.38	687.12
103	3	12.29	2.02	2	SLD	2.00	-19726.20	-156.54	-3367.65	-9459.10	170.68	127.57
103	3	12.29	2.02	±		2.00	2099.36	2198.09	5169.11	7931.05	2272.02	338.10
103	3	12.29	2.02	3	SND	2.00	-20164.20	-309.77	-4086.68	-11179.20	309.27	305.61
103	3	12.29	2.02	±		2.00	-1327.09	4346.36	-7101.28	-10232.20	4473.92	615.88
103	3	12.29	2.02	4	SLD	2.00	-19726.20	-156.54	-3367.65	-9459.10	170.68	127.57
103	3	12.29	2.02	±		2.00	-653.01	2138.66	-3494.24	-5034.85	2201.43	303.05
103	3	12.29	2.02	5	SND	2.00	-20164.20	-309.77	-4086.68	-11179.20	309.27	305.61
103	3	12.29	2.02	±		2.00	9763.54	1523.33	29854.50	44800.20	1602.79	314.19
103	3	12.29	2.02	6	SLD	2.00	-19726.20	-156.54	-3367.65	-9459.10	170.68	127.57
103	3	12.29	2.02	±		2.00	4804.22	749.57	14690.10	22044.30	788.66	154.60
103	3	12.29	2.02	7	SND	2.00	-20164.20	-309.77	-4086.68	-11179.20	309.27	305.61
103	3	12.29	2.02	±		2.00	8881.72	-1120.72	28833.40	43034.40	-1124.60	-76.71
103	3	12.29	2.02	8	SLD	2.00	-19726.20	-156.54	-3367.65	-9459.10	170.68	127.57
103	3	12.29	2.02	±		2.00	4370.32	-551.46	14187.70	21175.40	-553.37	-37.75
103	3	12.29	2.02	9	SND	2.00	-18439.60	293.58	-1255.54	-4406.33	-236.46	-395.41
103	3	12.29	2.02	±		2.00	4266.48	4467.14	10505.10	16118.10	4617.38	687.12
103	3	12.29	2.02	10	SLD	2.00	-18877.60	140.34	-1974.56	-6126.45	-97.86	-217.37
103	3	12.29	2.02	±		2.00	2099.36	2198.09	5169.11	7931.05	2272.02	338.10
103	3	12.29	2.02	11	SND	2.00	-18439.60	293.58	-1255.54	-4406.33	-236.46	-395.41
103	3	12.29	2.02	±		2.00	-1327.09	4346.36	-7101.28	-10232.20	4473.92	615.88
103	3	12.29	2.02	12	SLD	2.00	-18877.60	140.34	-1974.56	-6126.45	-97.86	-217.37
103	3	12.29	2.02	±		2.00	-653.01	2138.66	-3494.24	-5034.85	2201.43	303.05

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103	3	12.29	2.02	13	SND	2.00	-18439.60	293.58	-1255.54	-4406.33	-236.46	-395.41
103	3	12.29	2.02	±		2.00	9763.54	1523.33	29854.50	44800.20	1602.79	314.19
103	3	12.29	2.02	14	SLD	2.00	-18877.60	140.34	-1974.56	-6126.45	-97.86	-217.37
103	3	12.29	2.02	±		2.00	4804.22	749.57	14690.10	22044.30	788.66	154.60
103	3	12.29	2.02	15	SND	2.00	-18439.60	293.58	-1255.54	-4406.33	-236.46	-395.41
103	3	12.29	2.02	±		2.00	8881.72	-1120.72	28833.40	43034.40	-1124.60	-76.71
103	3	12.29	2.02	16	SLD	2.00	-18877.60	140.34	-1974.56	-6126.45	-97.86	-217.37
103	3	12.29	2.02	±		2.00	4370.32	-551.46	14187.70	21175.40	-553.37	-37.75
103	3	12.29	2.02	17	SLU	2.00	-31100.10	-28.39	-3986.11	-12415.20	61.88	-63.70
103	3	12.29	2.02	18	SLE R	2.00	-22958.70	-15.48	-2899.09	-8939.55	42.38	-49.31
103	3	12.29	2.02	19	SLE F	2.00	-19901.10	-8.71	-2711.19	-8022.84	36.47	-45.76
103	3	12.29	2.02	20	SLE Q	2.00	-19301.90	-8.10	-2671.11	-7792.77	36.41	-44.90
103	4	12.29	2.02	1	SND	2.00	-20164.20	-309.77	-4086.68	-11179.20	309.27	305.61
103	4	12.29	2.02	±		2.00	4266.48	4467.14	10505.10	16118.10	4617.38	687.12
103	4	12.29	2.02	2	SLD	2.00	-19726.20	-156.54	-3367.65	-9459.10	170.68	127.57
103	4	12.29	2.02	±		2.00	2099.36	2198.09	5169.11	7931.05	2272.02	338.10
103	4	12.29	2.02	3	SND	2.00	-20164.20	-309.77	-4086.68	-11179.20	309.27	305.61
103	4	12.29	2.02	±		2.00	-1327.09	4346.36	-7101.28	-10232.20	4473.92	615.88
103	4	12.29	2.02	4	SLD	2.00	-19726.20	-156.54	-3367.65	-9459.10	170.68	127.57
103	4	12.29	2.02	±		2.00	-653.01	2138.66	-3494.24	-5034.85	2201.43	303.05
103	4	12.29	2.02	5	SND	2.00	-20164.20	-309.77	-4086.68	-11179.20	309.27	305.61
103	4	12.29	2.02	±		2.00	9763.54	1523.33	29854.50	44800.20	1602.79	314.19
103	4	12.29	2.02	6	SLD	2.00	-19726.20	-156.54	-3367.65	-9459.10	170.68	127.57
103	4	12.29	2.02	±		2.00	4804.22	749.57	14690.10	22044.30	788.66	154.60
103	4	12.29	2.02	7	SND	2.00	-20164.20	-309.77	-4086.68	-11179.20	309.27	305.61
103	4	12.29	2.02	±		2.00	8881.72	-1120.72	28833.40	43034.40	-1124.60	-76.71
103	4	12.29	2.02	8	SLD	2.00	-19726.20	-156.54	-3367.65	-9459.10	170.68	127.57
103	4	12.29	2.02	±		2.00	4370.32	-551.46	14187.70	21175.40	-553.37	-37.75
103	4	12.29	2.02	9	SND	2.00	-18439.60	293.58	-1255.54	-4406.33	-236.46	-395.41
103	4	12.29	2.02	±		2.00	4266.48	4467.14	10505.10	16118.10	4617.38	687.12
103	4	12.29	2.02	10	SLD	2.00	-18877.60	140.34	-1974.56	-6126.45	-97.86	-217.37
103	4	12.29	2.02	±		2.00	2099.36	2198.09	5169.11	7931.05	2272.02	338.10
103	4	12.29	2.02	11	SND	2.00	-18439.60	293.58	-1255.54	-4406.33	-236.46	-395.41
103	4	12.29	2.02	±		2.00	-1327.09	4346.36	-7101.28	-10232.20	4473.92	615.88
103	4	12.29	2.02	12	SLD	2.00	-18877.60	140.34	-1974.56	-6126.45	-97.86	-217.37
103	4	12.29	2.02	±		2.00	-653.01	2138.66	-3494.24	-5034.85	2201.43	303.05
103	4	12.29	2.02	13	SND	2.00	-18439.60	293.58	-1255.54	-4406.33	-236.46	-395.41
103	4	12.29	2.02	±		2.00	9763.54	1523.33	29854.50	44800.20	1602.79	314.19
103	4	12.29	2.02	14	SLD	2.00	-18877.60	140.34	-1974.56	-6126.45	-97.86	-217.37
103	4	12.29	2.02	±		2.00	4804.22	749.57	14690.10	22044.30	788.66	154.60
103	4	12.29	2.02	15	SND	2.00	-18439.60	293.58	-1255.54	-4406.33	-236.46	-395.41
103	4	12.29	2.02	±		2.00	8881.72	-1120.72	28833.40	43034.40	-1124.60	-76.71
103	4	12.29	2.02	16	SLD	2.00	-18877.60	140.34	-1974.56	-6126.45	-97.86	-217.37
103	4	12.29	2.02	±		2.00	4370.32	-551.46	14187.70	21175.40	-553.37	-37.75
103	4	12.29	2.02	17	SLU	2.00	-31100.10	-28.39	-3986.11	-12415.20	61.88	-63.70
103	4	12.29	2.02	18	SLE R	2.00	-22958.70	-15.48	-2899.09	-8939.56	42.38	-49.31
103	4	12.29	2.02	19	SLE F	2.00	-19901.10	-8.71	-2711.19	-8022.84	36.47	-45.76
103	4	12.29	2.02	20	SLE Q	2.00	-19301.90	-8.10	-2671.11	-7792.78	36.41	-44.90
103	4	12.29	2.02	1	SND	2.59	-19418.80	-309.77	-4086.68	-8744.79	124.74	305.61
103	4	12.29	2.02	±		2.59	4266.49	4467.14	10505.10	9904.18	2001.77	687.12
103	4	12.29	2.02	2	SLD	2.59	-18980.80	-156.54	-3367.65	-7452.93	77.42	127.57
103	4	12.29	2.02	±		2.59	2099.36	2198.09	5169.11	4873.42	984.99	338.10
103	4	12.29	2.02	3	SND	2.59	-19418.80	-309.77	-4086.68	-8744.79	124.74	305.61
103	4	12.29	2.02	±		2.59	-1327.10	4346.36	-7101.28	-5963.26	1839.28	615.88
103	4	12.29	2.02	4	SLD	2.59	-18980.80	-156.54	-3367.65	-7452.93	77.42	127.57
103	4	12.29	2.02	±		2.59	-653.01	2138.66	-3494.24	-2934.26	905.03	303.05
103	4	12.29	2.02	5	SND	2.59	-19418.80	-309.77	-4086.68	-8744.79	124.74	305.61
103	4	12.29	2.02	±		2.59	9763.55	1523.33	29854.50	27036.90	846.97	314.19
103	4	12.29	2.02	6	SLD	2.59	-18980.80	-156.54	-3367.65	-7452.93	77.42	127.57
103	4	12.29	2.02	±		2.59	4804.23	749.57	14690.10	13303.70	416.76	154.60
103	4	12.29	2.02	7	SND	2.59	-19418.80	-309.77	-4086.68	-8744.79	124.74	305.61
103	4	12.29	2.02	±		2.59	8881.73	-1120.72	28833.40	25854.60	-305.34	-76.71
103	4	12.29	2.02	8	SLD	2.59	-18980.80	-156.54	-3367.65	-7452.93	77.42	127.57
103	4	12.29	2.02	±		2.59	4370.32	-551.46	14187.70	12721.90	-150.25	-37.75
103	4	12.29	2.02	9	SND	2.59	-17694.20	293.58	-1255.54	-3658.17	-61.56	-395.41
103	4	12.29	2.02	±		2.59	4266.49	4467.14	10505.10	9904.18	2001.77	687.12
103	4	12.29	2.02	10	SLD	2.59	-18132.20	140.34	-1974.56	-4950.02	-14.25	-217.37
103	4	12.29	2.02	±		2.59	2099.36	2198.09	5169.11	4873.42	984.99	338.10
103	4	12.29	2.02	11	SND	2.59	-17694.20	293.58	-1255.54	-3658.17	-61.56	-395.41
103	4	12.29	2.02	±		2.59	-1327.10	4346.36	-7101.28	-5963.26	1839.28	615.88
103	4	12.29	2.02	12	SLD	2.59	-18132.20	140.34	-1974.56	-4950.02	-14.25	-217.37
103	4	12.29	2.02	±		2.59	-653.01	2138.66	-3494.24	-2934.26	905.03	303.05
103	4	12.29	2.02	13	SND	2.59	-17694.20	293.58	-1255.54	-3658.17	-61.56	-395.41
103	4	12.29	2.02	±		2.59	9763.55	1523.33	29854.50	27036.90	846.97	314.19
103	4	12.29	2.02	14	SLD	2.59	-18132.20	140.34	-1974.56	-4950.02	-14.25	-217.37
103	4	12.29	2.02	±		2.59	4804.23	749.57	14690.10	13303.70	416.76	154.60
103	4	12.29	2.02	15	SND	2.59	-17694.20	293.58	-1255.54	-3658.17	-61.56	-395.41
103	4	12.29	2.02	±		2.59	8881.73	-1120.72	28833.40	25854.60	-305.34	-76.71
103	4	12.29	2.02	16	SLD	2.59	-18132.20	140.34	-1974.56	-4950.02	-14.25	-217.37

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103	4	12.29	2.02	±		2.59	4370.32	-551.46	14187.70	12721.90	-150.25	-37.75
103	4	12.29	2.02	17	SLU	2.59	-29784.00	-28.39	-3986.11	-10040.50	44.97	-63.70
103	4	12.29	2.02	18	SLE R	2.59	-21994.40	-15.48	-2899.09	-7212.43	33.16	-49.31
103	4	12.29	2.02	19	SLE F	2.59	-19093.10	-8.71	-2711.19	-6407.67	31.29	-45.76
103	4	12.29	2.02	20	SLE Q	2.59	-18556.50	-8.10	-2671.11	-6201.48	31.59	-44.90
103	5	12.29	2.02	1	SND	2.59	-19418.80	-309.77	-4086.68	-8744.79	124.74	305.61
103	5	12.29	2.02	±		2.59	4266.49	4467.14	10505.10	9904.18	2001.77	687.12
103	5	12.29	2.02	2	SLD	2.59	-18980.80	-156.54	-3367.65	-7452.93	77.42	127.57
103	5	12.29	2.02	±		2.59	2099.36	2198.09	5169.11	4873.42	984.99	338.10
103	5	12.29	2.02	3	SND	2.59	-19418.80	-309.77	-4086.68	-8744.79	124.74	305.61
103	5	12.29	2.02	±		2.59	-1327.10	4346.36	-7101.28	-5963.26	1839.28	615.88
103	5	12.29	2.02	4	SLD	2.59	-18980.80	-156.54	-3367.65	-7452.93	77.42	127.57
103	5	12.29	2.02	±		2.59	-653.01	2138.66	-3494.24	-2934.26	905.03	303.05
103	5	12.29	2.02	5	SND	2.59	-19418.80	-309.77	-4086.68	-8744.79	124.74	305.61
103	5	12.29	2.02	±		2.59	9763.55	1523.33	29854.50	27036.90	846.97	314.19
103	5	12.29	2.02	6	SLD	2.59	-18980.80	-156.54	-3367.65	-7452.93	77.42	127.57
103	5	12.29	2.02	±		2.59	4804.23	749.57	14690.10	13303.70	416.76	154.60
103	5	12.29	2.02	7	SND	2.59	-19418.80	-309.77	-4086.68	-8744.79	124.74	305.61
103	5	12.29	2.02	±		2.59	8881.73	-1120.72	28833.40	25854.60	-305.34	-76.71
103	5	12.29	2.02	8	SLD	2.59	-18980.80	-156.54	-3367.65	-7452.93	77.42	127.57
103	5	12.29	2.02	±		2.59	4370.32	-551.46	14187.70	12721.90	-150.25	-37.75
103	5	12.29	2.02	9	SND	2.59	-17694.20	293.58	-1255.54	-3658.17	-61.56	-395.41
103	5	12.29	2.02	±		2.59	4266.49	4467.14	10505.10	9904.18	2001.77	687.12
103	5	12.29	2.02	10	SLD	2.59	-18132.20	140.34	-1974.56	-4950.02	-14.25	-217.37
103	5	12.29	2.02	±		2.59	2099.36	2198.09	5169.11	4873.42	984.99	338.10
103	5	12.29	2.02	11	SND	2.59	-17694.20	293.58	-1255.54	-3658.17	-61.56	-395.41
103	5	12.29	2.02	±		2.59	-1327.10	4346.36	-7101.28	-5963.26	1839.28	615.88
103	5	12.29	2.02	12	SLD	2.59	-18132.20	140.34	-1974.56	-4950.02	-14.25	-217.37
103	5	12.29	2.02	±		2.59	-653.01	2138.66	-3494.24	-2934.26	905.03	303.05
103	5	12.29	2.02	13	SND	2.59	-17694.20	293.58	-1255.54	-3658.17	-61.56	-395.41
103	5	12.29	2.02	±		2.59	9763.55	1523.33	29854.50	27036.90	846.97	314.19
103	5	12.29	2.02	14	SLD	2.59	-18132.20	140.34	-1974.56	-4950.02	-14.25	-217.37
103	5	12.29	2.02	±		2.59	4804.23	749.57	14690.10	13303.70	416.76	154.60
103	5	12.29	2.02	15	SND	2.59	-17694.20	293.58	-1255.54	-3658.17	-61.56	-395.41
103	5	12.29	2.02	±		2.59	8881.73	-1120.72	28833.40	25854.60	-305.34	-76.71
103	5	12.29	2.02	16	SLD	2.59	-18132.20	140.34	-1974.56	-4950.02	-14.25	-217.37
103	5	12.29	2.02	±		2.59	4370.32	-551.46	14187.70	12721.90	-150.25	-37.75
103	5	12.29	2.02	17	SLU	2.59	-29784.00	-28.39	-3986.11	-10040.50	44.97	-63.70
103	5	12.29	2.02	18	SLE R	2.59	-21994.40	-15.48	-2899.09	-7212.43	33.16	-49.31
103	5	12.29	2.02	19	SLE F	2.59	-19093.10	-8.71	-2711.19	-6407.67	31.29	-45.76
103	5	12.29	2.02	20	SLE Q	2.59	-18556.50	-8.10	-2671.11	-6201.48	31.59	-44.90
103	5	12.29	2.02	1	SND	3.20	-18658.30	-309.77	-4086.68	-6260.81	-63.56	305.61
103	5	12.29	2.02	±		3.20	4266.49	4467.14	10505.10	3655.05	862.21	687.12
103	5	12.29	2.02	2	SLD	3.20	-18220.30	-156.54	-3367.65	-5405.94	-17.73	127.57
103	5	12.29	2.02	±		3.20	2099.36	2198.09	5169.11	1798.48	424.26	338.10
103	5	12.29	2.02	3	SND	3.20	-18658.30	-309.77	-4086.68	-6260.81	-63.56	305.61
103	5	12.29	2.02	±		3.20	-1327.10	4346.36	-7101.28	-1533.06	654.81	615.88
103	5	12.29	2.02	4	SLD	3.20	-18220.30	-156.54	-3367.65	-5405.94	-17.73	127.57
103	5	12.29	2.02	±		3.20	-653.01	2138.66	-3494.24	-754.34	322.20	303.05
103	5	12.29	2.02	5	SND	3.20	-18658.30	-309.77	-4086.68	-6260.81	-63.56	305.61
103	5	12.29	2.02	±		3.20	9763.54	1523.33	29854.50	8965.14	573.23	314.19
103	5	12.29	2.02	6	SLD	3.20	-18220.30	-156.54	-3367.65	-5405.94	-17.73	127.57
103	5	12.29	2.02	±		3.20	4804.22	749.57	14690.10	4411.31	282.06	154.60
103	5	12.29	2.02	7	SND	3.20	-18658.30	-309.77	-4086.68	-6260.81	-63.56	305.61
103	5	12.29	2.02	±		3.20	8881.73	-1120.72	28833.40	8328.54	118.12	-76.71
103	5	12.29	2.02	8	SLD	3.20	-18220.30	-156.54	-3367.65	-5405.94	-17.73	127.57
103	5	12.29	2.02	±		3.20	4370.32	-551.46	14187.70	4098.07	58.12	-37.75
103	5	12.29	2.02	9	SND	3.20	-16933.60	293.58	-1255.54	-2894.79	116.89	-395.41
103	5	12.29	2.02	±		3.20	4266.49	4467.14	10505.10	3655.05	862.21	687.12
103	5	12.29	2.02	10	SLD	3.20	-17371.60	140.34	-1974.56	-3749.66	71.06	-217.37
103	5	12.29	2.02	±		3.20	2099.36	2198.09	5169.11	1798.48	424.26	338.10
103	5	12.29	2.02	11	SND	3.20	-16933.60	293.58	-1255.54	-2894.79	116.89	-395.41
103	5	12.29	2.02	±		3.20	-1327.10	4346.36	-7101.28	-1533.06	654.81	615.88
103	5	12.29	2.02	12	SLD	3.20	-17371.60	140.34	-1974.56	-3749.66	71.06	-217.37
103	5	12.29	2.02	±		3.20	-653.01	2138.66	-3494.24	-754.34	322.20	303.05
103	5	12.29	2.02	13	SND	3.20	-16933.60	293.58	-1255.54	-2894.79	116.89	-395.41
103	5	12.29	2.02	±		3.20	9763.54	1523.33	29854.50	8965.14	573.23	314.19
103	5	12.29	2.02	14	SLD	3.20	-17371.60	140.34	-1974.56	-3749.66	71.06	-217.37
103	5	12.29	2.02	±		3.20	4804.22	749.57	14690.10	4411.31	282.06	154.60
103	5	12.29	2.02	15	SND	3.20	-16933.60	293.58	-1255.54	-2894.79	116.89	-395.41
103	5	12.29	2.02	±		3.20	8881.73	-1120.72	28833.40	8328.54	118.12	-76.71
103	5	12.29	2.02	16	SLD	3.20	-17371.60	140.34	-1974.56	-3749.66	71.06	-217.37
103	5	12.29	2.02	±		3.20	4370.32	-551.46	14187.70	4098.07	58.12	-37.75
103	5	12.29	2.02	17	SLU	3.20	-28441.00	-28.39	-3986.11	-7617.47	27.71	-63.70
103	5	12.29	2.02	18	SLE R	3.20	-21010.40	-15.48	-2899.09	-5450.15	23.75	-49.31
103	5	12.29	2.02	19	SLE F	3.20	-18268.70	-8.71	-2711.19	-4759.62	25.99	-45.76
103	5	12.29	2.02	20	SLE Q	3.20	-17796.00	-8.10	-2671.11	-4577.80	26.66	-44.90
103	6	12.29	2.02	1	SND	3.20	-18658.30	-309.77	-4086.68	-6260.81	-63.56	305.61
103	6	12.29	2.02	±		3.20	4266.49	4467.14	10505.10	3655.05	862.21	687.12

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103	6	12.29	2.02	2	SLD	3.20	-18220.30	-156.54	-3367.65	-5405.94	-17.73	127.57
103	6	12.29	2.02	±		3.20	2099.36	2198.09	5169.11	1798.48	424.26	338.10
103	6	12.29	2.02	3	SND	3.20	-18658.30	-309.77	-4086.68	-6260.81	-63.56	305.61
103	6	12.29	2.02	±		3.20	-1327.10	4346.36	-7101.28	-1533.06	654.81	615.88
103	6	12.29	2.02	4	SLD	3.20	-18220.30	-156.54	-3367.65	-5405.94	-17.73	127.57
103	6	12.29	2.02	±		3.20	-653.01	2138.66	-3494.24	-754.34	322.20	303.05
103	6	12.29	2.02	5	SND	3.20	-18658.30	-309.77	-4086.68	-6260.81	-63.56	305.61
103	6	12.29	2.02	±		3.20	9763.54	1523.33	29854.50	8965.14	573.23	314.19
103	6	12.29	2.02	6	SLD	3.20	-18220.30	-156.54	-3367.65	-5405.94	-17.73	127.57
103	6	12.29	2.02	±		3.20	4804.22	749.57	14690.10	4411.31	282.06	154.60
103	6	12.29	2.02	7	SND	3.20	-18658.30	-309.77	-4086.68	-6260.81	-63.56	305.61
103	6	12.29	2.02	±		3.20	8881.73	-1120.72	28833.40	8328.54	118.12	-76.71
103	6	12.29	2.02	8	SLD	3.20	-18220.30	-156.54	-3367.65	-5405.94	-17.73	127.57
103	6	12.29	2.02	±		3.20	4370.32	-551.46	14187.70	4098.07	58.12	-37.75
103	6	12.29	2.02	9	SND	3.20	-16933.60	293.58	-1255.54	-2894.79	116.89	-395.41
103	6	12.29	2.02	±		3.20	4266.49	4467.14	10505.10	3655.05	862.21	687.12
103	6	12.29	2.02	10	SLD	3.20	-17371.60	140.34	-1974.56	-3749.66	71.06	-217.37
103	6	12.29	2.02	±		3.20	2099.36	2198.09	5169.11	1798.48	424.26	338.10
103	6	12.29	2.02	11	SND	3.20	-16933.60	293.58	-1255.54	-2894.79	116.89	-395.41
103	6	12.29	2.02	±		3.20	-1327.10	4346.36	-7101.28	-1533.06	654.81	615.88
103	6	12.29	2.02	12	SLD	3.20	-17371.60	140.34	-1974.56	-3749.66	71.06	-217.37
103	6	12.29	2.02	±		3.20	-653.01	2138.66	-3494.24	-754.34	322.20	303.05
103	6	12.29	2.02	13	SND	3.20	-16933.60	293.58	-1255.54	-2894.79	116.89	-395.41
103	6	12.29	2.02	±		3.20	9763.54	1523.33	29854.50	8965.14	573.23	314.19
103	6	12.29	2.02	14	SLD	3.20	-17371.60	140.34	-1974.56	-3749.66	71.06	-217.37
103	6	12.29	2.02	±		3.20	4804.22	749.57	14690.10	4411.31	282.06	154.60
103	6	12.29	2.02	15	SND	3.20	-16933.60	293.58	-1255.54	-2894.79	116.89	-395.41
103	6	12.29	2.02	±		3.20	8881.73	-1120.72	28833.40	8328.54	118.12	-76.71
103	6	12.29	2.02	16	SLD	3.20	-17371.60	140.34	-1974.56	-3749.66	71.06	-217.37
103	6	12.29	2.02	±		3.20	4370.32	-551.46	14187.70	4098.07	58.12	-37.75
103	6	12.29	2.02	17	SLU	3.20	-28441.00	-28.39	-3986.11	-7617.47	27.71	-63.70
103	6	12.29	2.02	18	SLE R	3.20	-21010.40	-15.48	-2899.09	-5450.15	23.75	-49.31
103	6	12.29	2.02	19	SLE F	3.20	-18268.70	-8.71	-2711.19	-4759.62	25.99	-45.76
103	6	12.29	2.02	20	SLE Q	3.20	-17796.00	-8.10	-2671.11	-4577.80	26.66	-44.90
103	6	12.29	2.02	1	SND	3.81	-17897.70	-309.77	-4086.68	-3776.80	-251.86	305.61
103	6	12.29	2.02	±		3.81	4266.49	4467.14	10505.10	3499.83	3569.66	687.12
103	6	12.29	2.02	2	SLD	3.81	-17459.70	-156.54	-3367.65	-3358.92	-112.89	127.57
103	6	12.29	2.02	±		3.81	2099.36	2198.09	5169.11	1722.09	1756.48	338.10
103	6	12.29	2.02	3	SND	3.81	-17897.70	-309.77	-4086.68	-3776.80	-251.86	305.61
103	6	12.29	2.02	±		3.81	-1327.10	4346.36	-7101.28	-2073.51	3304.30	615.88
103	6	12.29	2.02	4	SLD	3.81	-17459.70	-156.54	-3367.65	-3358.92	-112.89	127.57
103	6	12.29	2.02	±		3.81	-653.01	2138.66	-3494.24	-1020.27	1625.91	303.05
103	6	12.29	2.02	5	SND	3.81	-17897.70	-309.77	-4086.68	-3776.80	-251.86	305.61
103	6	12.29	2.02	±		3.81	9763.54	1523.33	29854.50	9502.85	1473.35	314.19
103	6	12.29	2.02	6	SLD	3.81	-17459.70	-156.54	-3367.65	-3358.92	-112.89	127.57
103	6	12.29	2.02	±		3.81	4804.22	749.57	14690.10	4675.87	724.97	154.60
103	6	12.29	2.02	7	SND	3.81	-17897.70	-309.77	-4086.68	-3776.80	-251.86	305.61
103	6	12.29	2.02	±		3.81	8881.73	-1120.72	28833.40	9074.95	-588.83	-76.71
103	6	12.29	2.02	8	SLD	3.81	-17459.70	-156.54	-3367.65	-3358.92	-112.89	127.57
103	6	12.29	2.02	±		3.81	4370.32	-551.46	14187.70	4465.32	-289.74	-37.75
103	6	12.29	2.02	9	SND	3.81	-16173.10	293.58	-1255.54	-2131.40	295.34	-395.41
103	6	12.29	2.02	±		3.81	4266.49	4467.14	10505.10	3499.83	3569.66	687.12
103	6	12.29	2.02	10	SLD	3.81	-16611.10	140.34	-1974.56	-2549.29	156.37	-217.37
103	6	12.29	2.02	±		3.81	2099.36	2198.09	5169.11	1722.09	1756.48	338.10
103	6	12.29	2.02	11	SND	3.81	-16173.10	293.58	-1255.54	-2131.40	295.34	-395.41
103	6	12.29	2.02	±		3.81	-1327.10	4346.36	-7101.28	-2073.51	3304.30	615.88
103	6	12.29	2.02	12	SLD	3.81	-16611.10	140.34	-1974.56	-2549.29	156.37	-217.37
103	6	12.29	2.02	±		3.81	-653.01	2138.66	-3494.24	-1020.27	1625.91	303.05
103	6	12.29	2.02	13	SND	3.81	-16173.10	293.58	-1255.54	-2131.40	295.34	-395.41
103	6	12.29	2.02	±		3.81	9763.54	1523.33	29854.50	9502.85	1473.35	314.19
103	6	12.29	2.02	14	SLD	3.81	-16611.10	140.34	-1974.56	-2549.29	156.37	-217.37
103	6	12.29	2.02	±		3.81	4804.22	749.57	14690.10	4675.87	724.97	154.60
103	6	12.29	2.02	15	SND	3.81	-16173.10	293.58	-1255.54	-2131.40	295.34	-395.41
103	6	12.29	2.02	±		3.81	8881.73	-1120.72	28833.40	9074.95	-588.83	-76.71
103	6	12.29	2.02	16	SLD	3.81	-16611.10	140.34	-1974.56	-2549.29	156.37	-217.37
103	6	12.29	2.02	±		3.81	4370.32	-551.46	14187.70	4465.32	-289.74	-37.75
103	6	12.29	2.02	17	SLU	3.81	-27098.00	-28.39	-3986.11	-5194.41	10.46	-63.70
103	6	12.29	2.02	18	SLE R	3.81	-20026.50	-15.48	-2899.09	-3687.86	14.34	-49.31
103	6	12.29	2.02	19	SLE F	3.81	-17444.30	-8.71	-2711.19	-3111.56	20.70	-45.76
103	6	12.29	2.02	20	SLE Q	3.81	-17035.40	-8.10	-2671.11	-2954.10	21.74	-44.90
103	7	12.29	2.02	1	SND	3.81	-17897.70	-309.77	-4086.68	-3776.80	-251.86	305.61
103	7	12.29	2.02	±		3.81	4266.49	4467.14	10505.10	3499.83	3569.66	687.12
103	7	12.29	2.02	2	SLD	3.81	-17459.70	-156.54	-3367.65	-3358.92	-112.89	127.57
103	7	12.29	2.02	±		3.81	2099.36	2198.09	5169.11	1722.09	1756.48	338.10
103	7	12.29	2.02	3	SND	3.81	-17897.70	-309.77	-4086.68	-3776.80	-251.86	305.61
103	7	12.29	2.02	±		3.81	-1327.10	4346.36	-7101.28	-2073.51	3304.30	615.88
103	7	12.29	2.02	4	SLD	3.81	-17459.70	-156.54	-3367.65	-3358.92	-112.89	127.57
103	7	12.29	2.02	±		3.81	-653.01	2138.66	-3494.24	-1020.27	1625.91	303.05
103	7	12.29	2.02	5	SND	3.81	-17897.70	-309.77	-4086.68	-3776.80	-251.86	305.61

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103	7	12.29	2.02	±		3.81	9763.54	1523.33	29854.50	9502.85	1473.35	314.19
103	7	12.29	2.02	6	SLD	3.81	-17459.70	-156.54	-3367.65	-3358.92	-112.89	127.57
103	7	12.29	2.02	±		3.81	4804.23	749.57	14690.10	4675.87	724.97	154.60
103	7	12.29	2.02	7	SND	3.81	-17897.70	-309.77	-4086.68	-3776.80	-251.86	305.61
103	7	12.29	2.02	±		3.81	8881.73	-1120.72	28833.40	9074.95	-588.84	-76.71
103	7	12.29	2.02	8	SLD	3.81	-17459.70	-156.54	-3367.65	-3358.92	-112.89	127.57
103	7	12.29	2.02	±		3.81	4370.32	-551.46	14187.70	4465.32	-289.74	-37.75
103	7	12.29	2.02	9	SND	3.81	-16173.10	293.58	-1255.54	-2131.40	295.34	-395.41
103	7	12.29	2.02	±		3.81	4266.49	4467.14	10505.10	3499.83	3569.66	687.12
103	7	12.29	2.02	10	SLD	3.81	-16611.10	140.34	-1974.56	-2549.29	156.37	-217.37
103	7	12.29	2.02	±		3.81	2099.36	2198.09	5169.11	1722.09	1756.48	338.10
103	7	12.29	2.02	11	SND	3.81	-16173.10	293.58	-1255.54	-2131.40	295.34	-395.41
103	7	12.29	2.02	±		3.81	-1327.10	4346.36	-7101.28	-2073.51	3304.30	615.88
103	7	12.29	2.02	12	SLD	3.81	-16611.10	140.34	-1974.56	-2549.29	156.37	-217.37
103	7	12.29	2.02	±		3.81	-653.01	2138.66	-3494.24	-1020.27	1625.91	303.05
103	7	12.29	2.02	13	SND	3.81	-16173.10	293.58	-1255.54	-2131.40	295.34	-395.41
103	7	12.29	2.02	±		3.81	9763.54	1523.33	29854.50	9502.85	1473.35	314.19
103	7	12.29	2.02	14	SLD	3.81	-16611.10	140.34	-1974.56	-2549.29	156.37	-217.37
103	7	12.29	2.02	±		3.81	4804.23	749.57	14690.10	4675.87	724.97	154.60
103	7	12.29	2.02	15	SND	3.81	-16173.10	293.58	-1255.54	-2131.40	295.34	-395.41
103	7	12.29	2.02	±		3.81	8881.73	-1120.72	28833.40	9074.95	-588.84	-76.71
103	7	12.29	2.02	16	SLD	3.81	-16611.10	140.34	-1974.56	-2549.29	156.37	-217.37
103	7	12.29	2.02	±		3.81	4370.32	-551.46	14187.70	4465.32	-289.74	-37.75
103	7	12.29	2.02	17	SLU	3.81	-27098.00	-28.39	-3986.11	-5194.41	10.46	-63.70
103	7	12.29	2.02	18	SLE R	3.81	-20026.50	-15.48	-2899.09	-3687.86	14.34	-49.31
103	7	12.29	2.02	19	SLE F	3.81	-17444.30	-8.71	-2711.19	-3111.56	20.70	-45.76
103	7	12.29	2.02	20	SLE Q	3.81	-17035.40	-8.10	-2671.11	-2954.10	21.74	-44.90
103	7	12.29	2.02	1	SND	4.47	-17064.70	-309.77	-4086.68	-1056.37	-458.08	305.61
103	7	12.29	2.02	±		4.47	4266.48	4467.14	10505.10	10149.00	6538.53	687.12
103	7	12.29	2.02	2	SLD	4.47	-16626.70	-156.54	-3367.65	-1117.06	-217.10	127.57
103	7	12.29	2.02	±		4.47	2099.36	2198.09	5169.11	4993.86	3217.33	338.10
103	7	12.29	2.02	3	SND	4.47	-17064.70	-309.77	-4086.68	-1056.37	-458.08	305.61
103	7	12.29	2.02	±		4.47	-1327.09	4346.36	-7101.28	-7123.79	6202.69	615.88
103	7	12.29	2.02	4	SLD	4.47	-16626.70	-156.54	-3367.65	-1117.06	-217.10	127.57
103	7	12.29	2.02	±		4.47	-653.01	2138.66	-3494.24	-3505.30	3052.08	303.05
103	7	12.29	2.02	5	SND	4.47	-17064.70	-309.77	-4086.68	-1056.37	-458.08	305.61
103	7	12.29	2.02	±		4.47	9763.54	1523.33	29854.50	29241.70	2470.91	314.19
103	7	12.29	2.02	6	SLD	4.47	-16626.70	-156.54	-3367.65	-1117.06	-217.10	127.57
103	7	12.29	2.02	±		4.47	4804.22	749.57	14690.10	14388.60	1215.83	154.60
103	7	12.29	2.02	7	SND	4.47	-17064.70	-309.77	-4086.68	-1056.37	-458.08	305.61
103	7	12.29	2.02	±		4.47	8881.72	-1120.72	28833.40	28334.10	-1351.46	-76.71
103	7	12.29	2.02	8	SLD	4.47	-16626.70	-156.54	-3367.65	-1117.06	-217.10	127.57
103	7	12.29	2.02	±		4.47	4370.32	-551.46	14187.70	13942.00	-664.99	-37.75
103	7	12.29	2.02	9	SND	4.47	-15340.10	293.58	-1255.54	-1295.36	490.78	-395.41
103	7	12.29	2.02	±		4.47	4266.48	4467.14	10505.10	10149.00	6538.53	687.12
103	7	12.29	2.02	10	SLD	4.47	-15778.10	140.34	-1974.56	-1234.66	249.80	-217.37
103	7	12.29	2.02	±		4.47	2099.36	2198.09	5169.11	4993.86	3217.33	338.10
103	7	12.29	2.02	11	SND	4.47	-15340.10	293.58	-1255.54	-1295.36	490.78	-395.41
103	7	12.29	2.02	±		4.47	-1327.09	4346.36	-7101.28	-7123.79	6202.69	615.88
103	7	12.29	2.02	12	SLD	4.47	-15778.10	140.34	-1974.56	-1234.66	249.80	-217.37
103	7	12.29	2.02	±		4.47	-653.01	2138.66	-3494.24	-3505.30	3052.08	303.05
103	7	12.29	2.02	13	SND	4.47	-15340.10	293.58	-1255.54	-1295.36	490.78	-395.41
103	7	12.29	2.02	±		4.47	9763.54	1523.33	29854.50	29241.70	2470.91	314.19
103	7	12.29	2.02	14	SLD	4.47	-15778.10	140.34	-1974.56	-1234.66	249.80	-217.37
103	7	12.29	2.02	±		4.47	4804.22	749.57	14690.10	14388.60	1215.83	154.60
103	7	12.29	2.02	15	SND	4.47	-15340.10	293.58	-1255.54	-1295.36	490.78	-395.41
103	7	12.29	2.02	±		4.47	8881.72	-1120.72	28833.40	28334.10	-1351.46	-76.71
103	7	12.29	2.02	16	SLD	4.47	-15778.10	140.34	-1974.56	-1234.66	249.80	-217.37
103	7	12.29	2.02	±		4.47	4370.32	-551.46	14187.70	13942.00	-664.99	-37.75
103	7	12.29	2.02	17	SLU	4.47	-25627.20	-28.39	-3986.11	-2540.72	-8.44	-63.70
103	7	12.29	2.02	18	SLE R	4.47	-18948.80	-15.48	-2899.09	-1757.83	4.04	-49.31
103	7	12.29	2.02	19	SLE F	4.47	-16541.40	-8.71	-2711.19	-1306.64	14.90	-45.76
103	7	12.29	2.02	20	SLE Q	4.47	-16202.40	-8.10	-2671.11	-1175.86	16.35	-44.90
103	8	12.29	2.02	1	SND	4.47	-17064.70	-309.77	-4086.68	-1056.37	-458.08	305.61
103	8	12.29	2.02	±		4.47	4266.49	4467.14	10505.10	10149.00	6538.53	687.12
103	8	12.29	2.02	2	SLD	4.47	-16626.70	-156.54	-3367.65	-1117.07	-217.10	127.57
103	8	12.29	2.02	±		4.47	2099.36	2198.09	5169.11	4993.86	3217.33	338.10
103	8	12.29	2.02	3	SND	4.47	-17064.70	-309.77	-4086.68	-1056.37	-458.08	305.61
103	8	12.29	2.02	±		4.47	-1327.10	4346.36	-7101.28	-7123.79	6202.69	615.88
103	8	12.29	2.02	4	SLD	4.47	-16626.70	-156.54	-3367.65	-1117.07	-217.10	127.57
103	8	12.29	2.02	±		4.47	-653.01	2138.66	-3494.24	-3505.31	3052.08	303.05
103	8	12.29	2.02	5	SND	4.47	-17064.70	-309.77	-4086.68	-1056.37	-458.08	305.61
103	8	12.29	2.02	±		4.47	9763.55	1523.33	29854.50	29241.70	2470.91	314.19
103	8	12.29	2.02	6	SLD	4.47	-16626.70	-156.54	-3367.65	-1117.07	-217.10	127.57
103	8	12.29	2.02	±		4.47	4804.23	749.57	14690.10	14388.60	1215.83	154.60
103	8	12.29	2.02	7	SND	4.47	-17064.70	-309.77	-4086.68	-1056.37	-458.08	305.61
103	8	12.29	2.02	±		4.47	8881.73	-1120.72	28833.40	28334.10	-1351.46	-76.71
103	8	12.29	2.02	8	SLD	4.47	-16626.70	-156.54	-3367.65	-1117.07	-217.10	127.57
103	8	12.29	2.02	±		4.47	4370.32	-551.46	14187.70	13942.00	-664.99	-37.75

Relazione di calcolo

103	8	12.29	2.02	9	SND	4.47	-15340.10	293.58	-1255.54	-1295.36	490.78	-395.41
103	8	12.29	2.02	±		4.47	4266.49	4467.14	10505.10	10149.00	6538.53	687.12
103	8	12.29	2.02	10	SLD	4.47	-15778.10	140.34	-1974.56	-1234.66	249.80	-217.37
103	8	12.29	2.02	±		4.47	2099.36	2198.09	5169.11	4993.86	3217.33	338.10
103	8	12.29	2.02	11	SND	4.47	-15340.10	293.58	-1255.54	-1295.36	490.78	-395.41
103	8	12.29	2.02	±		4.47	-1327.10	4346.36	-7101.28	-7123.79	6202.69	615.88
103	8	12.29	2.02	12	SLD	4.47	-15778.10	140.34	-1974.56	-1234.66	249.80	-217.37
103	8	12.29	2.02	±		4.47	-653.01	2138.66	-3494.24	-3505.31	3052.08	303.05
103	8	12.29	2.02	13	SND	4.47	-15340.10	293.58	-1255.54	-1295.36	490.78	-395.41
103	8	12.29	2.02	±		4.47	9763.55	1523.33	29854.50	29241.70	2470.91	314.19
103	8	12.29	2.02	14	SLD	4.47	-15778.10	140.34	-1974.56	-1234.66	249.80	-217.37
103	8	12.29	2.02	±		4.47	4804.23	749.57	14690.10	14388.60	1215.83	154.60
103	8	12.29	2.02	15	SND	4.47	-15340.10	293.58	-1255.54	-1295.36	490.78	-395.41
103	8	12.29	2.02	±		4.47	8881.73	-1120.72	28833.40	28334.10	-1351.46	-76.71
103	8	12.29	2.02	16	SLD	4.47	-15778.10	140.34	-1974.56	-1234.66	249.80	-217.37
103	8	12.29	2.02	±		4.47	4370.32	-551.46	14187.70	13942.00	-664.99	-37.75
103	8	12.29	2.02	17	SLU	4.47	-25627.20	-28.39	-3986.11	-2540.72	-8.44	-63.70
103	8	12.29	2.02	18	SLE R	4.47	-18948.80	-15.48	-2899.09	-1757.83	4.04	-49.31
103	8	12.29	2.02	19	SLE F	4.47	-16541.40	-8.71	-2711.19	-1306.64	14.90	-45.76
103	8	12.29	2.02	20	SLE Q	4.47	-16202.40	-8.10	-2671.11	-1175.86	16.35	-44.90
103	8	12.29	2.02	1	SND	5.13	-16244.20	-309.77	-4086.68	1623.16	-661.20	305.61
103	8	12.29	2.02	±		5.13	4266.49	4467.14	10505.10	16965.30	9464.58	687.12
103	8	12.29	2.02	2	SLD	5.13	-15806.20	-156.54	-3367.65	1091.07	-319.74	127.57
103	8	12.29	2.02	±		5.13	2099.36	2198.09	5169.11	8347.89	4657.12	338.11
103	8	12.29	2.02	3	SND	5.13	-16244.20	-309.77	-4086.68	1623.16	-661.20	305.61
103	8	12.29	2.02	±		5.13	-1327.10	4346.36	-7101.28	-11846.80	9055.72	615.88
103	8	12.29	2.02	4	SLD	5.13	-15806.20	-156.54	-3367.65	1091.07	-319.74	127.57
103	8	12.29	2.02	±		5.13	-653.01	2138.66	-3494.24	-5829.32	4455.94	303.05
103	8	12.29	2.02	5	SND	5.13	-16244.20	-309.77	-4086.68	1623.16	-661.20	305.61
103	8	12.29	2.02	±		5.13	9763.55	1523.33	29854.50	48788.00	3459.47	314.19
103	8	12.29	2.02	6	SLD	5.13	-15806.20	-156.54	-3367.65	1091.07	-319.74	127.57
103	8	12.29	2.02	±		5.13	4804.23	749.57	14690.10	24006.50	1702.26	154.60
103	8	12.29	2.02	7	SND	5.13	-16244.20	-309.77	-4086.68	1623.16	-661.20	305.61
103	8	12.29	2.02	±		5.13	8881.73	-1120.72	28833.40	47252.40	-2096.62	-76.71
103	8	12.29	2.02	8	SLD	5.13	-15806.20	-156.54	-3367.65	1091.07	-319.74	127.57
103	8	12.29	2.02	±		5.13	4370.32	-551.46	14187.70	23250.90	-1031.66	-37.75
103	8	12.29	2.02	9	SND	5.13	-14519.60	293.58	-1255.54	-471.90	683.28	-395.41
103	8	12.29	2.02	±		5.13	4266.49	4467.14	10505.10	16965.30	9464.58	687.12
103	8	12.29	2.02	10	SLD	5.13	-14957.60	140.34	-1974.56	60.18	341.82	-217.37
103	8	12.29	2.02	±		5.13	2099.36	2198.09	5169.11	8347.89	4657.12	338.11
103	8	12.29	2.02	11	SND	5.13	-14519.60	293.58	-1255.54	-471.90	683.28	-395.41
103	8	12.29	2.02	±		5.13	-1327.10	4346.36	-7101.28	-11846.80	9055.72	615.88
103	8	12.29	2.02	12	SLD	5.13	-14957.60	140.34	-1974.56	60.18	341.82	-217.37
103	8	12.29	2.02	±		5.13	-653.01	2138.66	-3494.24	-5829.32	4455.94	303.05
103	8	12.29	2.02	13	SND	5.13	-14519.60	293.58	-1255.54	-471.90	683.28	-395.41
103	8	12.29	2.02	±		5.13	9763.55	1523.33	29854.50	48788.00	3459.47	314.19
103	8	12.29	2.02	14	SLD	5.13	-14957.60	140.34	-1974.56	60.18	341.82	-217.37
103	8	12.29	2.02	±		5.13	4804.23	749.57	14690.10	24006.50	1702.26	154.60
103	8	12.29	2.02	15	SND	5.13	-14519.60	293.58	-1255.54	-471.90	683.28	-395.41
103	8	12.29	2.02	±		5.13	8881.73	-1120.72	28833.40	47252.40	-2096.62	-76.71
103	8	12.29	2.02	16	SLD	5.13	-14957.60	140.34	-1974.56	60.18	341.82	-217.37
103	8	12.29	2.02	±		5.13	4370.32	-551.46	14187.70	23250.90	-1031.66	-37.75
103	8	12.29	2.02	17	SLU	5.13	-24178.50	-28.39	-3986.11	73.04	-27.05	-63.70
103	8	12.29	2.02	18	SLE R	5.13	-17887.40	-15.48	-2899.09	143.16	-6.11	-49.31
103	8	12.29	2.02	19	SLE F	5.13	-15652.10	-8.71	-2711.19	471.13	9.19	-45.76
103	8	12.29	2.02	20	SLE Q	5.13	-15381.90	-8.10	-2671.11	575.63	11.04	-44.90

Criteri di progetto utilizzati
Pilastrì in c.a.

Generali	
Parametri di progetto	
Pilastro prefabbricato	No
Progettazione dell'armatura con sollecitazioni più gravose	Si
Disaccoppia sovraresistenza	No
Limita fattore di sovraresistenza al massimo valore di struttura	No
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
Max angolo di piegatura ferri <grad>	20.00
Progettazione armatura di ripresa	Si
Minimizzazione armatura di ripresa	No
Minimizzazione area di ferro totale nella sezione	No
Non progettare riprese ma estendi solo i ferri	Si
Verifiche in relazione	Minimizzate

Relazione di calcolo

Ancoraggi	
Lunghezza ancoraggi	
-Lunghezza minima come multiplo del diametro	40.00
Ancoraggi tutti uguali	Si
Piegatura ancoraggi per discontinuità	Si
Piegatura ancoraggi ferri di ripresa	Si
Armatura a taglio	
Staffatura a spirale pilastri circolari	Si
Cambiare le staffe nei nodi appartenenti all'impalcato 0 se sul nodo incidono elementi	Si
Considera solo la zona critica alla base della pilastrata (strutture pendolari)	No
Progetta a taglio con traliccio ad inclinazione variabile	Si
-Classe A	
-In zona critica limita ctg 0 a	1.00
-In zona non critica limita ctg 0 a	2.50
-Classe B	
-In zona critica limita ctg 0 a	2.50
-In zona non critica limita ctg 0 a	2.50
Estendi nel nodo staffe sottostanti anche se non richiesto dalla normativa	No
Parametri di disegno	
Scala disegno sezioni pilastri	25.00
Scala disegno viste pilastri	50.00
Creazione tabelle pilastri	Si
-Tipo di tabella	Armature disposte dal basso verso l'alto
-Max lunghezza tavole <cm>	70.00
-Max altezza tavole <cm>	50.00
Creazione viste pilastri	
-Disegno ferri dentro pilastro in vista	Si
-Disegno staffe dentro pilastro in vista	Si
-Modalità di individuazione ferri	
-Modalità di indicazione ferri	Mediante una tabella
-Minimizzazione riferimenti	Si
-Modalità di individuazione ferri	Per posizione
-Modalità di indicazione ferri	Mediante una tabella
-Minimizzazione riferimenti	Si
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/cm²>	325881.00
-Resistenza caratteristica cilindrica (Fck)	290.50
-Resistenza caratteristica a trazione (Fctk)	19.84
-Resistenza media (Fcm) <daN/cm²>	370.50
-Resistenza media a trazione (Fctm) <daN/cm²>	28.35
-σ amm. calcestruzzo <daN/cm²>	110.00
-τc0 <daN/cm²>	6.70
-τc1 <daN/cm²>	19.70
-Riduci Fcd per tutte le verifiche secondo il D.M. 18	Si
-γc 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/cm²>	2060000.00
-Tensione caratteristica di snervamento (Fyk) <daN/cm²>	4500.00
-Tensione media di snervamento (Fym) <daN/cm²>	4500.00
-Sigma amm. acciaio <daN/cm²>	2600.00
-Sigma amm. reti e tralicci <daN/cm²>	2600.00
-Allungamento per verifiche di duttilità (Agt) <%>	4.00
-γs per stati limite ultimi	
-Automatico	x
-Pari a	
-Coeff. di omogeneizzazione	15.00
Parametri per analisi pushover	

Relazione di calcolo

Numero fibre	200.00
Fattore di confinamento nucleo interno	1.00
Fattore di incrudimento acciaio <%>	0.10
Parametri per verifiche di duttilità	
Considera formulazione per pareti	No
Considera rotazione massima di esercizio per determinare SLO e SLD	No
Modalità di calcolo luce di taglio Lv	
-Lv=L/2	x
-Lv=M/V	
-Lv=Punto di nullo del momento flettente	
Capacità di rotazione alla corda al collasso	
-Formula C8.7.2.1 con fattore di riduzione pari a	
-Formula C8.7.2.5	x
Sforzo normale di verifica per analisi pushover	
-Gravitazionale	
-Dal calcolo	x
Parametri di calcolo	
Strategia di progetto	RETTANG
Copriferro reale al bordo staffa <cm>	2.50
Diametro staffa teorica <mm>	9.00
Continuità dei ferri nei nodi appartenenti all'impalcato 0	Si
Coeff. β in direzione Z locale	1.00
Coeff. β in direzione Y locale	1.00
Armatura secondo Circ. 65 del 10/04/97	No
-Raffittimento staffe in testa e al piede del pilastro	No
-Passo <cm>	
Parametri di progetto secondo il D.M. 18	
Elemento dissipativo	Si
Trascura gerarchia	No
Verifica a taglio ciclico elementi esistenti	No
Limita verifica a pressoflessione ad elemento non dissipativo	No
Limita verifica a taglio ad elemento non dissipativo	No
Elemento secondario	No
-Considera effetto confinamento nella verifica di duttilità	No
-Verifica la duttilità dei pilastri rettangolari in modo esplicito	No
Incremento percentuale per piano debole	No
Non progettare e verificare i nodi fra trave e pilastro	Si
-Progetta e verifica secondo Circolare n.7 del 21/01/2019	No
Verifiche a pressoflessione deviata	Si
Per calcoli secondo il D.M. 18 usa espressione 4.1.19	No
Verifiche a taglio	
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
Armatura a pressoflessione	
Elenco diametri ferri longitudinali 1 <mm>	16
Elenco diametri ferri longitudinali 2 <mm>	20
Elenco diametri ferri longitudinali 3 <mm>	22
Elenco diametri ferri longitudinali 4 <mm>	
Elenco diametri ferri longitudinali 5 <mm>	
Elenco diametri ferri longitudinali 6 <mm>	
Elenco diametri ferri longitudinali 7 <mm>	
Max distanza fra i ferri su un lato <cm>	25.00
Min. interferro ammissibile <cm>	7.00
Distanza fra i ferri di spigolo <cm>	3.00
Min. numero ferri per pilastri circolari	8.00
Reggistaffe aggiuntivi sezioni non rettangolari	Si
Fattore di riduzione tc0 per ancoraggio ferri	1.00
Armatura a taglio	
Elenco diametri staffe 1 <mm>	6
Elenco diametri staffe 2 <mm>	8
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>	
Mantieni diametro costante nell'interpiano	Si
Passi staffe	4.00

Relazione di calcolo

-Minimo <cm>	Si
-Massimo <cm>	30.00
-Incremento <cm>	2.00
Tipo di minimizzazione staffatura	
-Minimizza il numero delle staffe	
-Minimizza il peso delle staffe	x
Max distanza fra ferri non collegati nelle zone critiche <cm>	20.00
Max numero ferri non collegati nelle zone critiche	2.00
Max distanza fra ferri non collegati <cm>	20.00
Max numero ferri non collegati	2.00
Max distanza fra ferri nei nodi non collegati <cm>	7.00
Max numero ferri nei nodi non collegati	1.00
Collegamenti ferri	
Con spilli	
Con staffe rettangolari	
Con staffe poligonali	x
Ferri orizzontali pareti realizzati con staffe	No
Quote di alleggerimento armature pilastri prefabbricati	
Quota di alleggerimento n. 1 <m>	0.00
Quota di alleggerimento n. 2 <m>	0.00
Quota di alleggerimento n. 3 <m>	0.00
Quota di alleggerimento n. 4 <m>	0.00
Quota di alleggerimento n. 5 <m>	0.00
Quota di alleggerimento n. 6 <m>	0.00
Quota di alleggerimento n. 7 <m>	0.00
Dati per progettazione interattiva sezioni	
Distanza fra ferri su più strati <cm>	1.00
Integrare lo scorrimento lungo il tratto	Si
-Lunghezza del tratto <m>	1.00
Dati per progettazione agli stati limite	
Condizioni ambientali	
-Ordinarie	x
-Aggressive	
-Molto aggressive	
Usa dominio N-M per flessioni rette	No
-Ricerca della sicurezza con sforzo normale costante	
-Ricerca della sicurezza con eccentricità costante	
Controllo rapporto X/D	No
Classificazione barre tese/compresse	
-Solo le barre con deformazione percentuale rispetto alla barra più tesa/compressa non inferiore a <%>	30.00
-In funzione della deformazione	
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
Calcestruzzo	
-Tipo di aggregati	SILICEI
-Massa volumica iniziale <kg/mc>	2300.00
-Umidità iniziale <%>	3.00
-Fattore di interpolazione conducibilità	0.50
Dati per verifiche FRP	
Rinforzo longitudinale	
Tipo di fibra/resina	
-Vetro/Epossidica	
-Arammidica/Epossidica	
-Carbonio/Epossidica	x
Resistenza caratteristica (f_{fk}) <daN/cm ² >	49000.00
Modulo elastico (E_c) <daN/cm ² >	2500000.00
Deformazione caratteristica a rottura per trazione (ϵ_{fk}) <%>	2.00
Spessore equivalente (t_f) <mm>	0.17
Sistemi di rinforzo	
-Preformati	
-Impregnati in situ	x
Rinforzo trasversale	
Tipo di fibra/resina	
-Vetro/Epossidica	
-Arammidica/Epossidica	
-Carbonio/Epossidica	x
Resistenza caratteristica (f_{fk}) <daN/cm ² >	49000.00
Modulo elastico (E_c) <daN/cm ² >	2500000.00
Deformazione caratteristica a rottura per trazione (ϵ_{fk}) <%>	2.00

Relazione di calcolo

Spessore equivalente (t_r) <mm>	0.17
Sistemi di rinforzo	
-Preformati	
-Impregnati in situ	x
Trascura resistenza a taglio dei rinforzi	No
Modalità di carico	
-Lungo termine	x
-Ciclico	
Coeff. parziale di sicurezza per SLU di distacco (γ_{rd})	1.50
Fattore di conversione ambientale (η_a)	0.95
Raggio di arrotondamento spigoli (r_c) <cm>	2.00
Coeff. condizione di carico (K_g)	1.25
Dati per verifiche incamiciature in acciaio non CAM	
Resistenza di progetto strisce di collegamento (F_{yd}) <daN/cm>	2350.00
Dati per verifiche incamiciature in c.a.	
-Tipo di calcestruzzo	C25/30
-Rck calcestruzzo <daN/cm>	300.00
-Modulo elastico <daN/cm>	314472.00
-Resistenza caratteristica cilindrica (F_{ck}) <daN/cm>	249.00
-Tipo di acciaio	B450C
-Modulo elastico <daN/cm>	2060000.00
-Tensione caratteristica di snervamento (F_{yk}) <daN/cm>	4500.00
-Considera resistenza a taglio della nuova sezione	Si
-Considera anche contributo della sezione esistente	Si

Travi in c.a.

Generali	
Parametri di progetto	
Passo di progettazione <m>	0.30
Tipo di sollecitazioni zone rigide	Costanti
Min. angolo per spinte a vuoto <grad>	10.00
Invertire i ferri anche in presenza di pilastro sottostante	Si
Max differenza larghezza travi continue <cm>	5.00
Armatura a taglio	
Progetta a taglio con traliccio ad inclinazione variabile	Si
-Classe A	
-In zona critica limita ctg θ a	1.00
-In zona non critica limita ctg θ a	2.50
-Classe B	
-In zona critica limita ctg θ a	2.50
-In zona non critica limita ctg θ a	2.50
Lunghezze e arrotondamenti	
Max lunghezza barre <m>	12.00
Arrotondamento lunghezza ferri <cm>	50.00
Lunghezza ferri nei muri d'estremità <m>	1.20
Min. interferro ammissibile <cm>	2.00
Elenco diametri minimizzazione interferri <mm>	14 16 18 20 24
Riduzione ancoraggi	
-Nella zona compressa per flessione	No
-Nei punti inferiori della travata	Si
Considerare nel calcolo degli ancoraggi i risvolti specificati nei criteri generali di disegno	No
Risvoltare i ferri per garantire l'ancoraggio agli estremi della trave	No
Reggistaffe	
Interruzione reggistaffe in campata	No
Modalità di sovrapposizione reggistaffe	Per garantire la copertura del momento negativo
Modalità di unificazione reggistaffe	Solo se la geometria della travata e la lunghezza totale delle barre lo consentono
Minimi di regolamento	
Min. percentuale di regolamento	
-Per le travi di fondazione	No
-Per le travi di elevazione	Si
Min. di armatura a taglio (T.A. o S.L. D.M.96)	
-Per le travi di fondazione	No
-Per le travi di elevazione	No
Tipo di armatura per taglio (T.A.)	Mista
Controllo passo e 12Fi	Si
Min. di regolamento a torsione nell'ala	No
Min. di regolamento nell'ala	No

Relazione di calcolo

Stampe	
Verifiche a flessione in relazione	Minimizzate
Verifiche a taglio in relazione	Max scorrimento per taglio e torsione
Parametri di disegno	
Scala disegno travi	50.00
Scala disegno sezioni	25.00
Campitura sezioni	Fitta
Disegno sezione travi in falso	Si
Disegna sezioni	Si
-Disegno ferri nelle sezioni	No
Campitura travi in falso	Fitta
Campitura muri	Rada
Tipo di quotatura luci nette trave	Con riferimento ai pilastri superiori
Lunghezza monconi di pilastro	Minimizzata
Linee di riferimento quote	Si
Quotatura zone di staffatura	No
Quotatura zone di staffatura	No
Indicazione numero bracci staffe	Solo se il numero è maggiore di due
Disegno ferri longitudinali	
Disegno ferri dentro la trave	Si
Disegno esploso ferri di parete	No
Distanza fra ferri esplosi <cm>	0.10
Disegno reggistaffe aggiuntivi per travi a T e L	Reggistaffe aggiuntivi tipo 3
Disegno staffe	
Posizione staffe esterne	In automatico
Disegno staffe dentro la sezione	Si

Specifici	3	4
Materiali		
-Considera come elemento esistente	No	No
-Calcestruzzo		
-Livello di conoscenza	LC2	LC2
-Fattore di confidenza	1.20	1.20
-Tipo di calcestruzzo	C28/35	C28/35
-Rck calcestruzzo	350.00	350.00
-Modulo elastico <daN/cm ² >	325881.00	325881.00
-Resistenza caratteristica cilindrica (Fck)	290.50	290.50
-Resistenza caratteristica a trazione (Fctk)	19.84	19.84
-Resistenza media (Fcm) <daN/cm ² >	370.50	370.50
-Resistenza media a trazione (Fctm) <daN/cm ² >	28.35	28.35
-σ amm. calcestruzzo <daN/cm ² >	110.00	110.00
-τc0 <daN/cm ² >	6.70	6.70
-τc1 <daN/cm ² >	19.70	19.70
-Riduci Fcd per tutte le verifiche secondo il D.M. 18	Si	Si
-γc per stati limite ultimi		
-Automatico	x	x
-Pari a		
-Acciaio		
-Livello di conoscenza	LC2	LC2
-Fattore di confidenza	1.20	1.20
-Tipo di acciaio	B450C	B450C
-Modulo elastico <daN/cm ² >	2060000.00	2060000.00
-Tensione caratteristica di snervamento (Fyk) <daN/cm ² >	4500.00	4500.00
-Tensione media di snervamento (Fym) <daN/cm ² >	4500.00	4500.00
-Sigma amm. acciaio <daN/cm ² >	2600.00	2600.00
-Sigma amm. reti e tralicci <daN/cm ² >	2600.00	2600.00
-Allungamento per verifiche di duttilità (Agt) <%>	4.00	4.00
-γs per stati limite ultimi		
-Automatico	x	x
-Pari a		
-Coeff. di omogeneizzazione	15.00	15.00
Parametri per analisi pushover		
Numero fibre	200.00	200.00
Fattore di confinamento nucleo interno	1.00	1.00
Fattore di incrudimento acciaio <%>	0.10	0.10
Parametri per verifiche di duttilità		
Considera rotazione massima di esercizio per determinare SLO e SLD	No	No
Modalità di calcolo luce di taglio Lv		
-Lv=L/2	x	x
-Lv=M/V		
-Lv=Punto di nullo del momento flettente		

Relazione di calcolo

Capacità di rotazione alla corda al collasso		
-Formula C8.7.2.1 con fattore di riduzione pari a		
-Formula C8.7.2.5	x	x
Sforzo normale di verifica per analisi pushover		
-Gravitazionale		
-Dal calcolo	x	x
Parametri di calcolo		
Progetto a pressoflessione	Si	Si
-Per tutte le travi		
-Solo per travi inclinate	x	x
-Min. angolo per pressoflessione <grad>	10.00	10.00
-Compressione massima senza progetto a pressoflessione <%>	10.00	10.00
Progetto a torsione	No	No
-Trazione senza progetto a torsione<%>		
Armatura secondo Circ. 65 del 10/04/97	No	No
Parametri di progetto secondo il D.M. 18		
Elemento dissipativo	Si	Si
Trascura gerarchia	No	No
Verifica a taglio ciclico elementi esistenti	No	No
Limita verifica a taglio ad elemento non dissipativo	Si	Si
Elemento secondario	No	No
Sollecitazioni dissipative amplificate per elementi di fondazione	Si	Si
Escludi dal calcolo sovraresistenza per pilastri incidenti	No	No
Sollecitazioni complanari ad eventuali elementi bidimensionali	No	No
Copriferro teorico superiore <cm>	4.10	4.10
Copriferro teorico inferiore <cm>	4.10	4.10
Min. momento fittizio agli appoggi	No	No
-Denominatore		
Min. momento fittizio in campata	No	No
-Denominatore		
Incremento percentuale momento in campata <%>	10.00	10.00
Usa taglio max per traslazione momento (S.L.)	Si	Si
Limitare momento traslato al valore max di appoggio (S.L.)	No	No
Limitare momento traslato al valore max di campata (S.L.)	No	No
Taglio da momento resistente in fondazione (S.L.)	No	No
Tipo di progetto in doppia armatura (T.A.)		
-Tensioni pari ai valori amm.		
-Tensioni pari ai valori amm. con AfComp/AfTesa minore o pari a	1.00	1.00
-Con AfComp/AfTesa pari a		
Parametri di progettazione armatura		
Utilizzo		
-Trave	x	x
-Cordolo		
-Soletta rampante		
Max differenza fra diametri per unificazioni	2.00	2.00
Max distanza fra barre per unificazioni <m>	1.00	1.00
Denominatore per individuazione zona di campata	32.00	32.00
Fattore di copertura appoggi (0+1)	0.00	0.00
Fattore di riduzione per ancoraggio ferri	1.00	1.00
Minimizzazione momenti resistenti di appoggio (stati limite D.M. 18)	Si	Si
-Tolleranza di copertura da sovrapposizione <%>	0.00	0.00
Tipo di distribuzione armatura eccedente in fase di verifica		
-Ripartita proporzionalmente per flessione, torsione e taglio	x	x
-Tutta agente per flessione		
-Tutta agente per taglio		
Armatura a flessione		
Elenco diametri ferri longitudinali 1 <mm>	14	14
Elenco diametri ferri longitudinali 2 <mm>	16	16
Elenco diametri ferri longitudinali 3 <mm>	18	18
Elenco diametri ferri longitudinali 4 <mm>	20	20
Elenco diametri ferri longitudinali 5 <mm>	24	24
Elenco diametri ferri longitudinali 6 <mm>		
Elenco diametri ferri longitudinali 7 <mm>		
Max differenza fra diametri nella trave	8.00	10.00
Max differenza fra diametri ferri accoppiati	4.00	10.00
Reggistaffe superiori		
-Numero		
-Automatico	x	x
-Pari a		
-Max mutua distanza <cm>		
-Diametro		
-Automatico	x	x
-Pari a <mm>		
-Minimo <mm>		
Reggistaffe inferiori		
-Numero		

Relazione di calcolo

-Automatico	x	x
-Pari a		
-Max mutua distanza <cm>		
-Diametro		
-Automatico	x	x
-Pari a <mm>		
-Minimo <mm>		
Armatura a taglio		
Scorrimento (T.A.)		
-Percentuale assorbita dalle staffe <%>	100.00	100.00
-Percentuale assorbita dai ferri piegati <%>	0.00	0.00
-Percentuale assorbita dai ferri di parete <%>	0	0
-Considerare il valore relativo alle staffe come minimo percentuale da adottare	No	No
Variabilità staffe		
-Staffe uguali a passo costante		
-Staffe diverse in tre parti della trave in funzione delle zone critiche	x	x
-Staffe diverse in tre parti della trave in funzione di un multiplo dell'altezza pari a		
Variabilità staffe ala		
-Passi uguali a passi anima	x	x
-Passi multipli di passi anima		
-Passi indipendenti da passi anima		
Min. lunghezza tratto centrale come multiplo dell'altezza della trave	1.10	1.10
Elenco diametri staffe 1 <mm>	6	6
Elenco diametri staffe 2 <mm>	8	8
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>		
Elenco numero bracci staffe 1	2	2
Elenco numero bracci staffe 2	4	4
Elenco numero bracci staffe 3		
Elenco numero bracci staffe 4		
Elenco numero bracci staffe 5		
Passi staffe		
-Minimo <cm>	4.00	4.00
-Massimo <cm>	32.00	32.00
-Incremento <cm>	4.00	4.00
Elementi costanti		
-Diametro	Si	Si
-Passo	No	No
-Bracci	Si	Si
Tipo di minimizzazione staffatura		
-Minimizza il numero delle staffe	x	x
-Minimizza il peso delle staffe		
Raffittimento staffe all'estremità della trave	No	No
-Passo non superiore a		
Lunghezza max del tratto di calcolo scorrimento		
-Pari al tratto in cui $\tau > \tau_{c0}$	x	x
-Pari a <cm>		
-Come multiplo dell'altezza pari a		
Armatura a taglio e torsione		
Elenco diametri ferri piegati 1 <mm>	12	12
Elenco diametri ferri piegati 2 <mm>	14	14
Elenco diametri ferri piegati 3 <mm>	16	16
Elenco diametri ferri piegati 4 <mm>	18	18
Elenco diametri ferri piegati 5 <mm>	20	20
Elenco diametri ferri piegati 6 <mm>		
Elenco diametri ferri piegati 7 <mm>		
Angolo di piegatura <grad>	45.00	45.00
Posizione primo punto di piegatura		
-Pari al multiplo dell'altezza		
-Distanza <cm>	5.00	5.00
Interasse punti di piegatura		
-Pari al multiplo dell'altezza		
-Distanza <cm>	25.00	25.00
Tipo di ferri piegati		
-Solo sagomati		
-Solo cavallotti		
-Sia sagomati che cavallotti	x	x
Ferri di parete	Si	Si
-Max distanza fra le barre <cm>	30.00	30.00
Elenco diametri ferri di parete 1 <mm>	12	12
Elenco diametri ferri di parete 2 <mm>	14	14
Elenco diametri ferri di parete 3 <mm>	16	16
Elenco diametri ferri di parete 4 <mm>	18	18

Relazione di calcolo

Elenco diametri ferri di parete 5 <mm>	20	20
Elenco diametri ferri di parete 6 <mm>		
Elenco diametri ferri di parete 7 <mm>		
Elenco diametri staffe orizzontali 1 <mm>	6	6
Elenco diametri staffe orizzontali 2 <mm>	8	8
Elenco diametri staffe orizzontali 3 <mm>		
Elenco diametri staffe orizzontali 4 <mm>		
Elenco diametri staffe orizzontali 5 <mm>		
Elenco diametri staffe orizzontali 6 <mm>		
Elenco diametri staffe orizzontali 7 <mm>		
Parametri di disegno		
Copriferro per calcolo lunghezza ferri <cm>	6.00	6.00
Risvolto ferri superiori	Si	Si
-Pari a <cm>	25.00	25.00
-Pari all'altezza della trave		
-Pari alla minima altezza delle travi incidenti		
Risvolto ferri inferiori	Si	Si
-Pari a <cm>	25.00	25.00
-Pari all'altezza della trave		
-Pari alla minima altezza delle travi incidenti		
Risvolto ferri laterali	Si	Si
-Pari a <cm>	25.00	25.00
-Pari alla larghezza della trave		
Magrone	Si	Si
-Allargamento laterale <cm>	0.00	0.00
-Altezza <cm>	20.00	20.00
Dati per progettazione interattiva sezioni		
Copriferro reale al bordo staffa <cm>	2.50	2.50
Diametro staffa teorica <mm>	8.00	8.00
Distanza fra ferri su più strati <cm>	1.00	1.00
Verifiche a pressoflessione	Si	Si
Verifica con barre in posizione teorica	No	No
Verifiche a flessione/pressoflessione retta	Si	Si
-Considera My	x	x
-Considera Mz		
-Considera My e Mz		
Tipo di progetto in doppia armatura (T.A.)		
-Considera Vrdu minimo		
-Considera Vrdu calcolato in corrispondenza di bw minimo		
-Considera Vrdu in corrispondenza di bw medio	x	x
-Considera Vrdu in corrispondenza di bw massimo		
-Considera sempre Af Staffe non proiettata in direzione del taglio	Si	Si
Integrare lo scorrimento lungo il tratto	Si	Si
-Lunghezza del tratto <m>	1.00	1.00
Dati per progettazione agli stati limite		
Condizioni ambientali		
-Ordinarie	x	x
-Aggressive		
-Molto aggressive		
Usa dominio N-M per flessioni rette	Si	Si
-Ricerca della sicurezza con sforzo normale costante		
-Ricerca della sicurezza con eccentricità costante	x	x
Controllo rapporto X/D	Si	Si
Classificazione barre tese/comprese		
-Solo le barre con deformazione percentuale rispetto alla barra più tesa/compressa non inferiore a <%>	30.00	30.00
-In funzione della deformazione		
Dati per verifiche di resistenza al fuoco		
-Tempo di verifica (REI) <minuti>	120.00	120.00
Dimensione MESH <cm>	2.00	2.00
-Passo di calcolo <secondi>	10.00	10.00
-Temperatura ambiente <C°>	20.00	20.00
-Coeff. di convezione a temperatura ambiente <W/mq K>	9.00	9.00
Calcestruzzo		
-Tipo di aggregati	SILICEI	SILICEI
-Massa volumica iniziale <kg/mc>	2300.00	2300.00
-Umidità iniziale <%>	3.00	3.00
-Fattore di interpolazione conducibilità	0.50	0.50
Dati per verifiche FRP		
Rinforzo longitudinale		
Tipo di fibra/resina		
-Vetro/Epossidica		
-Arammidica/Epossidica		
-Carbonio/Epossidica	x	x
Resistenza caratteristica (f_{rk}) <daN/cm ² >	49000.00	49000.00

Relazione di calcolo

Modulo elastico(E_c) <daN/cm ² >	2500000.00	2500000.00
Deformazione caratteristica a rottura per trazione(ϵ_{fk}) <%>	2.00	2.00
Spessore equivalente(t_f) <mm>	0.17	0.17
Sistemi di rinforzo		
-Preformati		
-Impregnati in situ	x	x
Rinforzo trasversale		
Tipo di fibra/resina		
-Vetro/Epossidica		
-Arammidica/Epossidica		
-Carbonio/Epossidica	x	x
Resistenza caratteristica(f_{fk}) <daN/cm ² >	49000.00	49000.00
Modulo elastico(E_c) <daN/cm ² >	2500000.00	2500000.00
Deformazione caratteristica a rottura per trazione(ϵ_{fk}) <%>	2.00	2.00
Spessore equivalente(t_f) <mm>	0.17	0.17
Sistemi di rinforzo		
-Preformati		
-Impregnati in situ	x	x
Modalità di carico		
-Lungo termine	x	x
-Ciclico		
Coeff. parziale SLU di distacco(γ_{fd})	1.50	1.50
Fattore di conversione ambientale(η_a)	0.95	0.95
Raggio di arrotondamento spigoli(r_c) <cm>	2.00	2.00
Coeff. condizione di carico(K_g)	1.25	1.25

Solette/Platee

Generali	
Parametri di progetto	
Progetto e verifica con metodo d'integrazione	No
-Massima dimensione della linea d'integrazione	1.00
Calcolo armature con metodo di Wood	No
Accoppia pilastri per calcolo punzonamento	Si
-Massima distanza come un moltiplicatore dello spessore	1.50
Armatura a taglio	
Controllo resistenza a taglio allo S.L.U. DM 96	No
Verifica con taglio totale	No
Progetta a taglio con traliccio ad inclinazione variabile	Si
-In Classe A limita ctg θ a	2.50
-In Classe B limita ctg θ a	2.50
Parametri di disegno	
Disposizione disegno	2A
Particolari nel disegno principale	
-Eliminare le quotature	No
-Eliminare le campiture	No
-Eliminare la numerazione dei pilastri	No
-Eliminare la numerazione delle travi e dei muri	No
Particolari nei disegni secondari	
-Eliminare le quotature	Si
-Eliminare le campiture	Si
-Eliminare la numerazione dei pilastri	Si
-Eliminare la numerazione delle travi e dei muri	Si
Disegno armatura diffusa	No
Posizione particolari punzonamento	In automatico
Copriferro per calcolo lunghezza ferri <cm>	3.50
Risvoltare al bordo i ferri	
-Inferiori	Si
-Superiori	Si
Lunghezza risvolti ferri al bordo	Pari all'altezza meno due volte il copriferro
Disegno particolare ferri al bordo	Si
Scala disegno particolare ferri al bordo	20.00
Calcolo lunghezza ferri semplificato	No
Stampe	
Tipo di relazione	Sintetica

Specifici	1
Materiali	
-Considera come elemento esistente	No
-Calcestruzzo	
-Livello di conoscenza	LC2
-Fattore di confidenza	1.20

Relazione di calcolo

-Tipo di calcestruzzo	C28/35
-Rck calcestruzzo	350.00
-Modulo elastico <daN/cm²>	325881.00
-Resistenza caratteristica cilindrica (Fck)	290.50
-Resistenza caratteristica a trazione (Fctk)	19.84
-Resistenza media (Fcm) <daN/cm²>	370.50
-Resistenza media a trazione (Fctm) <daN/cm²>	28.35
-σ amm. calcestruzzo <daN/cm²>	110.00
-rc0 <daN/cm²>	6.70
-rc1 <daN/cm²>	19.70
-Riduci Fcd per tutte le verifiche secondo il D.M. 18	Si
-γc 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/cm²>	2060000.00
-Tensione caratteristica di snervamento (Fyk) <daN/cm²>	4500.00
-Tensione media di snervamento (Fym) <daN/cm²>	4500.00
-Sigma amm. acciaio <daN/cm²>	2600.00
-Sigma amm. reti e tralicci <daN/cm²>	2600.00
-Allungamento per verifiche di duttilità (Agt) <%>	4.00
-γs per stati limite ultimi	
-Automatico	x
-Pari a	
-Coeff. di omogeneizzazione	15.00
Parametri di calcolo	
Parametri di progetto secondo il D.M. 18	
-Elemento dissipativo	No
-Sollecitazioni dissipative amplificate per elementi di fondazione	Si
Angolo d'armatura <grad>	0.00
Copriferro teorico superiore <cm>	3.00
Copriferro teorico inferiore <cm>	3.00
Tipo di progetto in doppia armatura	
-Tensione pari ai valori amm.	
-Tensione pari ai valori amm. con AfComp/AfTesa minore o pari a	1.00
-Tensione pari ai valori amm. con AfComp/AfTesa pari a	
Min. percentuale di regolamento	
-Platee di fondazione su suolo elastico	No
-Solette di elevazione	Si
Controlla min. armatura di ripartizione	No
Armatura a flessione	
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>	
Elenco diametri utilizzabili 6 <mm>	
Elenco diametri utilizzabili 7 <mm>	
Passi utilizzabili	
-Minimo <cm>	15.00
-Massimo <cm>	30.00
-Incremento <cm>	5.00
Uniformizzazione interassi armatura	No
-Sempre	
-Nella stessa direzione	
-Nella stessa posizione	
Uniformizzazione diametri armatura	No
-Sempre	
-Nella stessa direzione	
-Nella stessa posizione	
Tipo di ottimizzazione armatura a flessione	
-Minimizza il numero dei ferri	
-Minimizza il peso complessivo dei ferri	x
Verifiche a taglio	
-Escludi punti di verifica sotto piramidi di punzonamento	Si
-Escludi punti di verifica sotto muri/bidimensionali	Si
Ancoraggi	
Fattore di riduzione per ancoraggio ferri	1.00
Lunghezza ancoraggi armature	
-Calcolata in funzione della Sigmaf	x
-Imposta come multiplo del diametro	
Lunghezza ancoraggi ferri punzonamento	

Relazione di calcolo

-Calcolata in funzione della Sigmaf	x
-Imposta come multiplo del diametro	
Armatura a punzonamento	
Fattore di riduzione altezza soletta/platea	0.90
Modifica altezza soletta/platea	Si
Allargamento piastra pilastri in acciaio <cm>	5.00
Distanza dal bordo libero (D.M. 92/96)	
-Distanza come un moltiplicatore dello spessore	1.00
-Distanza imposta a <cm>	
Tipo di armatura a punzonamento	
-Solo un ferro piegato	
-Serie di barre verticali disposte radialmente	x
-Controlla prescrizioni EC2	No
Moltiplicatore altezza utile per valutare perimetro efficace (D.M. 18)	2.00
Tolleranza di posizionamento barre	
-Distanza come un moltiplicatore dello spessore	0.10
-Distanza imposta a <cm>	
Elenco diametri utilizzabili 1 <mm>	12
Elenco diametri utilizzabili 2 <mm>	14
Elenco diametri utilizzabili 3 <mm>	16
Elenco diametri utilizzabili 4 <mm>	18
Elenco diametri utilizzabili 5 <mm>	20
Elenco diametri utilizzabili 6 <mm>	
Elenco diametri utilizzabili 7 <mm>	
Passi utilizzabili	
-Minimo <cm>	10.00
-Massimo <cm>	20.00
-Incremento <cm>	2.00
Tipo di ottimizzazione armatura a punzonamento	
-Minimizza il numero dei ferri	x
-Minimizza il peso complessivo dei ferri	
Dati per progettazione agli stati limite	
Condizioni ambientali	
-Ordinarie	x
-Aggressive	
-Molto aggressive	
Controllo rapporto X/D	No
Classificazione barre tese/comprese	
-Solo le barre con deformazione percentuale rispetto alla barra più tesa/compressa non inferiore a <%>	30.00
-In funzione della deformazione	

Nuclei

Generali	
Parametri di disegno	
Scala disegno nuclei	25.00
Campitura disegno nucleo	Rada
Quotatura	Si
Armatura a taglio	
Progetta a taglio con traliccio ad inclinazione variabile	Si
-Classe A	
-In zona critica limita ctg θ a	1.00
-In zona non critica limita ctg θ a	2.50
-Classe B	
-In zona critica limita ctg θ a	2.50
-In zona non critica limita ctg θ a	2.50
Stampe	
Tipo di relazione	Sintetica

Specifici	2
Materiali	
-Considera come elemento esistente	No
-Calcestruzzo	
-Livello di conoscenza	LC2
-Fattore di confidenza	1.20
-Tipo di calcestruzzo	C32/40
-Rck calcestruzzo	400.00
-Modulo elastico <daN/cm ² >	336428.00
-Resistenza caratteristica cilindrica (Fck)	332.00
-Resistenza caratteristica a trazione (Fctk)	21.69

Relazione di calcolo

-Resistenza media (Fcm) <daN/cm²>	412.00
-Resistenza media a trazione (Fctm) <daN/cm²>	30.99
-σ amm. calcestruzzo <daN/cm²>	122.50
-τc0 <daN/cm²>	7.30
-τc1 <daN/cm²>	21.10
-Riduci Fcd per tutte le verifiche secondo il D.M. 18	Si
-γc 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/cm²>	2060000.00
-Tensione caratteristica di snervamento (Fyk) <daN/cm²>	4500.00
-Tensione media di snervamento (Fym) <daN/cm²>	4500.00
-Sigma amm. acciaio <daN/cm²>	2600.00
-Sigma amm. reti e tralicci <daN/cm²>	2600.00
-Allungamento per verifiche di duttilità (Agt) <%>	4.00
-γs per stati limite ultimi	
-Automatico	x
-Pari a	
-Coeff. di omogeneizzazione	15.00
Parametri di calcolo	
Copriferro <cm>	2.50
Fattore moltiplicativo per calcolo τ l	1.00
Fattore moltiplicativo per calcolo τ t	1.00
Fattore di riduzione per ancoraggio ferri	0.70
Lunghezza ancoraggi armature	
-Calcolata in funzione della σ f	
-Imposta come multiplo del diametro	20.00
Lunghezza minima pari a <m>	0.50
Rispetta prescrizioni relative alle pareti anche nei nuclei	Si
Considera pressoflessione retta per pareti isolate	No
Armatura secondo Circ. 65 del 10/04/97	No
Conteggiare le riprese in elevazione	Si
Conteggiare le riprese in fondazione	Si
Parametri di calcolo per il D.M. 18	
Elemento dissipativo	No
Inviluppo e traslazione dei momenti flettenti	
Sempre	x
Solo per analisi sismiche statiche	
Mai	
Usa diagramma linearizzato	No
Incremento del 50% delle forze assiali	
Sempre	
Solo per analisi sismiche statiche	x
Mai	
Incremento dello sforzo di taglio	
Nessun incremento	
Incremento secondo espressioni 7.4.14 o 7.4.15	x
Incremento pari a	
Inviluppo e traslazione sforzi di taglio	
Sempre	
Solo per analisi sismiche statiche	x
Mai	
Modalità di ripartizione taglio di calcolo per pareti con fori	
In funzione delle sollecitazioni agenti nelle zone resistenti (con segno)	
In funzione delle sollecitazioni agenti nelle zone resistenti (in valore assoluto)	
In funzione delle aree delle zone resistenti	x
Modalità di valutazione parametri nel caso di sisma diverso per X e Y	
Usa valore massimo	
Componi in direzione parete	x
Armatura a flessione e a taglio	
Armatura verticale	
Incremento 1 <mm>	16
Incremento 2 <mm>	20
Incremento 3 <mm>	24
Incremento 4 <mm>	
Incremento 5 <mm>	
Incremento 6 <mm>	
Incremento 7 <mm>	
Passi utilizzabili	
-Minimo <cm>	10.00
-Massimo <cm>	30.00

Relazione di calcolo

-Incremento <cm>	5.00
Armatura orizzontale	
Elenco diametri utilizzabili 1 <mm>	8
Elenco diametri utilizzabili 2 <mm>	
Elenco diametri utilizzabili 3 <mm>	
Elenco diametri utilizzabili 4 <mm>	
Elenco diametri utilizzabili 5 <mm>	
Elenco diametri utilizzabili 6 <mm>	
Elenco diametri utilizzabili 7 <mm>	
Passi utilizzabili	
-Minimo <cm>	10.00
-Massimo <cm>	25.00
-Incremento <cm>	5.00
Modalità di completamento armatura verticale	
-Adattata	x
-Terminata	
-Nessuna	
Tipo di armatura orizzontale	
-Dritta	x
-Con risvolti di estremità	
-A staffa chiusa	
Armare le pareti corte con staffe	No
-Se più corte di un multiplo dello spessore pari a	
-Se più corte di <cm>	
Armatura secondaria	
Diametro ferri di collegamento <mm>	8.00
Numero ferri di collegamento (a mq)	9.00
Lunghezza ancoraggio ferri di collegamento <cm>	8.00
Armatura di estremità	
Modalità di chiusura estremi liberi delle pareti	
-Nessuna chiusura	
-Chiusura con ferri ad U	
-Chiusura con staffe	x
Lunghezza armatura di chiusura	
-Multiplo dello spessore pari a	1.50
-Lunghezza fissa pari a <cm>	
Modalità di chiusura estremi interni delle pareti	
-Nessuna chiusura	
-Chiusura con ferri ad U	
-Chiusura con staffe	x
Lunghezza armatura di chiusura	
-Multiplo dello spessore pari a	1.50
-Lunghezza fissa pari a <cm>	
Dati per progettazione agli stati limite	
Condizioni ambientali	
-Ordinarie	x
-Aggressive	
-Molto aggressive	
Controllo rapporto X/D	No
Classificazione barre tese/comprese	
-Solo le barre con deformazione percentuale rispetto	
alla barra più tesa/compressa non inferiore a <%>	30.00
-In funzione della deformazione	

Verifiche e armature travi

Simbologia

Δ_{sm} = Distanza media tra le fessure
 Φ_{eq} = Diametro equivalente delle barre
 ϵ_{sm} = Deformazione unitaria media dell'armatura (*1000)
 σ_c = Tensione nel calcestruzzo
 $\sigma_f inf$ = Tensione nel ferro - inferiore
 $\sigma_f sup$ = Tensione nel ferro - superiore
 σ_s = Tensione nell'acciaio nella sezione fessurata
 $A_{c eff}$ = Area di calcestruzzo efficace
 A_s = Area complessiva dei ferri nell'area di calcestruzzo efficace
 $A_{fE I}$ = Area di ferro effettiva totale presente nel punto di verifica, inferiore
 $A_{fE S}$ = Area di ferro effettiva totale presente nel punto di verifica, superiore
 $A_{fE St.}$ = Area di ferro effettiva della staffatura (d'anima per travi a T o L)
 $A_{fEP I}$ = Area di ferro effettiva parziale presente nella CC considerata, per la sollecitazione indicata, inferiore
 $A_{fEP S}$ = Area di ferro effettiva parziale presente nella CC considerata, per la sollecitazione indicata, superiore
 B = Base
 CC = Combinazione delle condizioni di carico elementari
 c = momento fittizio in campata
 a = momento fittizio agli appoggi
 T = momento traslato per taglio
 e = eccentricità aggiuntiva in caso di compressione o pressoflessione
 TG = taglio da gerarchia delle resistenze
 $TGND$ = taglio non dissipativo limitante la gerarchia

Relazione di calcolo

TG (Li) = taglio da gerarchia delle resistenze, limite inferiore

TG (Ls) = taglio da gerarchia delle resistenze, limite superiore

Caso = Caso di verifica

Cf inf = Copriferro inferiore

Cf sup = Copriferro superiore

Cls = Tipo di calcestruzzo

El = Elemento (asta) in cui viene effettuato il progetto/verifica (progressivo sul numero di aste)

Fcd = Resistenza di calcolo a compressione del calcestruzzo

Fck = Resistenza caratteristica cilindrica a compressione del calcestruzzo

Fctd = Resistenza di calcolo a trazione del calcestruzzo

Fctk = Resistenza caratteristica a trazione del calcestruzzo

Fyd = Resistenza di calcolo dell'acciaio

Fyk = Tensione caratteristica di snervamento dell'acciaio

H = Altezza

K₂ = Coefficiente per distribuzione deformazioni

Lung. = Lunghezza del tratto di progettazione

M'ydy = Momento resistente massimo in campo sostanzialmente elastico intorno all'asse Y

MRdy = Momento resistente allo stato limite ultimo intorno all'asse Y

My = Momento flettente intorno all'asse Y

N = Sforzo normale

Nu = Sforzo normale ultimo

Sez. = Numero della sezione

Sic. = Sicurezza

Staff. = Staffatura adottata

TCC = Tipo di combinazione di carico

SLU = Stato limite ultimo

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

SND = Stato limite di salvaguardia della vita (non dissipativo)

Tipo = Tipologia

R = Rettangolare

Tip = Tipo di acciaio

VRcd = Taglio ultimo lato calcestruzzo

VRsd = Taglio ultimo lato armatura

Vrdu = Taglio ultimo resistente

Vsdu = Taglio agente nella direzione del momento ultimo

Wk = Ampiezza caratteristica delle fessure

X = Coordinata progressiva rispetto al nodo iniziale

X0 = Coordinata progressiva (dal nodo iniziale) dell'inizio del tratto

X1 = Coordinata progressiva (dal nodo iniziale) della fine del tratto

Xg = Coordinata progressiva (dal primo nodo) in cui viene effettuato il progetto/verifica

bw = Larghezza membratura resistente al taglio

c = Ricoprimento dell'armatura

ctgθ = Cotangente dell'angolo di inclinazione dei puntoni di calcestruzzo

s = Distanza massima tra le barre

Travata n. 108

Nodi: 25 26 27

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B	H	Cf sup	Cf inf	Cls	Fck	Fctk	Fcd	Fctd	Tp	Fyk	Fyd
		<cm>	<cm>	<cm>	<cm>		<daN/cm²>	<daN/cm²>	<daN/cm²>	<daN/cm²>		<daN/cm²>	<daN/cm²>
5	R	30.00	24.00	4.10	4.10	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg	CC	TCC	El	X	Afe S	Afe I	AfEP S	AfEP I	My	MRdy	Sic.
<m>				<cm>	<cm²>	<cm²>	<cm²>	<cm²>	<daNm>	<daNm>	
0.0517	SLU	1	5.29	3.39	3.39	3.39	3.39	3.39	-194.23	-2479.97	12.768
4.0517	SLU	2	0.00	3.39	3.39	3.39	3.39	3.39	-197.90	-2479.97	12.532
5.0817	SLU	2	104.61	3.39	3.39	3.39	3.39	3.39	-41.66	-2479.97	59.535

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg	CC	TCC	El	X	Afe S	Afe I	AfEP S	AfEP I	My	M'ydy	Sic.
<m>				<cm>	<cm²>	<cm²>	<cm²>	<cm²>	<daNm>	<daNm>	
0.051	SND	1	5.29	3.39	3.39	3.39	3.39	3.39	-1472.25	-2316.55	1.573
4.051	SND	2	0.00	3.39	3.39	3.39	3.39	3.39	-1899.74	-2316.55	1.219
5.081	SND	2	104.61	3.39	3.39	3.39	3.39	3.39	-683.41	-2316.55	3.390

Stato limite d'esercizio - Verifiche tensionali

Xg	CC	TCC	El	X	Afe S	Afe I	My	σ _f sup	σ _f inf	σ _c
<m>				<cm>	<cm²>	<cm²>	<daNm>	<daN/cm²>	<daN/cm²>	<daN/cm²>
0.0518	SLE R	1	5.29	3.39	3.39	3.39	-149.99	252.61	-39.74	7.71
0.0520	SLE Q	1	5.29	3.39	3.39	3.39	-156.84	264.15	-41.56	8.06
4.0518	SLE R	2	0.00	3.39	3.39	3.39	-152.56	256.94	-40.42	7.84
4.0520	SLE Q	2	0.00	3.39	3.39	3.39	-153.83	259.08	-40.76	7.90
5.0818	SLE R	2	104.61	3.39	3.39	3.39	-33.18	55.87	-8.79	1.70
5.0820	SLE Q	2	104.61	3.39	3.39	3.39	-34.73	58.50	-9.20	1.78

Stato limite d'esercizio - Verifiche a fessurazione

Caso	Xg	CC	TCC	El	Sez.	X	My	c	s	K ₂	Φ _{eq}	Δ _{sm}	A _s	A _{c eff}	σ _s	ε _{sm}	Wk
	<m>					<cm>	<daNm>	<mm>	<mm>			<mm>	<cm²>	<cm²>	<daN/cm²>		<mm>
19	0.0520	SLE Q	1	5	5	5.29	-156.84	35.00	111.00	0.50	12.00	132.79	3.39	177.52	264.15	0.08	0.02
20	0.0519	SLE F	1	5	5	5.29	-155.78	35.00	111.00	0.50	12.00	132.79	3.39	177.52	262.36	0.08	0.02
39	4.0520	SLE Q	2	5	5	0.00	-153.83	35.00	111.00	0.50	12.00	132.79	3.39	177.52	259.08	0.08	0.02
40	4.0519	SLE F	2	5	5	0.00	-153.58	35.00	111.00	0.50	12.00	132.79	3.39	177.52	258.65	0.08	0.02
62	5.0820	SLE Q	2	5	5	104.61	-34.73	35.00	111.00	0.50	12.00	132.79	3.39	177.52	58.50	0.02	0.00
63	5.0819	SLE F	2	5	5	104.61	-34.48	35.00	111.00	0.50	12.00	132.79	3.39	177.52	58.06	0.02	0.00

Stato limite ultimo - Verifiche a taglio

CC	X0 <m>	X1 <m>	Lung. <m>	Staff.	AfE St. <cmq/m>	bw <m>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1 SND	0.09	0.32	0.24	ø8/15 2 br.	6.70	0.30	932.51	2.50	11742.50	15249.70	11742.50	12.592
1 SND	0.32	4.92	4.70	ø8/15 2 br.	6.70	0.30	1413.22	2.50	11742.50	15249.70	11742.50	8.309
1 SND	4.92	5.15	0.24	ø8/15 2 br.	6.70	0.30	1413.22	2.50	11742.50	15249.70	11742.50	8.309

Travata n. 116

Nodi: 21 22 23 24 27

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf sup <cm>	Cf inf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
5R		30.00	24.00	4.10	4.10	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	MRdy <daNm>	Sic.
0.06	17	SLU	1	450.00	3.39	3.39	3.39	3.39	-129.81	-2479.97	19.104
11.09	17	SLU	3	6.49	3.39	3.39	3.39	3.39	127.67	2479.97	19.424
12.24	17	SLU	4	6.00	3.39	3.39	3.39	3.39	-46.96	-2479.97	52.808

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	M'ydy <daNm>	Sic.
0.06	9	SND	1	450.00	3.39	3.39	3.39	3.39	-343.05	-2316.55	6.753
11.09	13	SND	3	6.49	3.39	3.39	3.39	3.39	826.65	2316.55	2.802
12.24	13	SND	4	6.00	3.39	3.39	3.39	3.39	-356.19	-2316.55	6.504

Stato limite d'esercizio - Verifiche tensionali

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	My <daNm>	σ _f sup <daN/cmq>	σ _f inf <daN/cmq>	σ _c <daN/cmq>
0.06	18	SLE R	1	450.00	3.39	3.39	-105.53	177.74	-27.96	5.42
0.06	20	SLE Q	1	450.00	3.39	3.39	-136.69	230.22	-36.22	7.02
11.09	18	SLE R	3	6.49	3.39	3.39	81.71	-21.65	137.62	4.20
11.09	20	SLE Q	3	6.49	3.39	3.39	57.08	-15.12	96.13	2.93
12.24	18	SLE R	4	6.00	3.39	3.39	-34.37	57.88	-9.11	1.77
12.24	20	SLE Q	4	6.00	3.39	3.39	-26.19	44.11	-6.94	1.35

Stato limite d'esercizio - Verifiche a fessurazione

Caso	Xg <m>	CC	TCC	El	Sez.	X <cm>	My <daNm>	c <mm>	s <mm>	K ₂	Φ _{eq}	Δ _{sm} <mm>	A _s <cmq>	A _{c eff} <cmq>	σ _s <daN/cmq>	ε _{sm}	Wk <mm>
23	0.06	20	SLE Q	1	5	450.00	-136.69	35.00	111.00	0.50	12.00	132.79	3.39	177.52	230.22	0.07	0.02
24	0.06	19	SLE F	1	5	450.00	-132.08	35.00	111.00	0.50	12.00	132.79	3.39	177.52	222.45	0.06	0.01
44	11.09	20	SLE Q	3	5	6.49	57.08	35.00	111.00	0.50	12.00	132.79	3.39	177.52	96.13	0.03	0.01
46	11.09	19	SLE F	3	5	6.49	60.33	35.00	111.00	0.50	12.00	132.79	3.39	177.52	101.61	0.03	0.01
67	12.24	20	SLE Q	4	5	6.00	-26.19	35.00	111.00	0.50	12.00	132.79	3.39	177.52	44.11	0.01	0.00
68	12.24	19	SLE F	4	5	6.00	-27.34	35.00	111.00	0.50	12.00	132.79	3.39	177.52	46.04	0.01	0.00

Stato limite ultimo - Verifiche a taglio

CC	X0 <m>	X1 <m>	Lung. <m>	Staff.	AfE St. <cmq/m>	bw <m>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
17 SLU	0.06	0.30	0.24	ø8/15 2 br.	6.70	0.30	454.80	2.50	11742.50	15249.70	11742.50	25.819
5 SND	0.30	12.00	11.70	ø8/15 2 br.	6.70	0.30	955.64	2.50	11742.50	15249.70	11742.50	12.288
5 SND	12.00	12.24	0.24	ø8/15 2 br.	6.70	0.30	955.64	2.50	11742.50	15249.70	11742.50	12.288

Travata n. 213

Nodi: 225 221 -728 -729 222 223 210 218 29

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf sup <cm>	Cf inf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
8R		50.00	24.00	4.10	4.10	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	MRdy <daNm>	Sic.
1.15	17	SLU	1	0.00	6.03	6.03	6.03	6.03	-1110.64	-4371.65	3.936
2.90	17	SLU	5	281.00	12.06	12.06	12.06	12.06	-645.90	-8130.40	12.588
5.46	17	SLU	5	25.00	6.03	6.03	6.03	6.03	-1314.97	-4371.65	3.325
5.71	17	SLU	6	280.00	6.03	6.03	6.03	6.03	-1306.80	-4371.65	3.345
8.26	17	SLU	6	25.00	6.03	6.03	6.03	6.03	-1136.99	-4371.65	3.845
8.51	17	SLU	7	379.00	6.03	6.03	6.03	6.03	-2823.48	-4371.65	1.548
10.28	17	SLU	7	202.00	6.03	6.03	6.03	6.03	1285.59	4371.65	3.400
12.05	17	SLU	7	25.00	6.03	6.03	6.03	6.03	-1260.70	-4371.65	3.468

12.30	17	SLU	8	115.00	6.03	6.03	6.03	6.03	-1451.29	-4371.65	3.012
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Stato limite elastico - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	M'ydy <daNm>	Sic.
1.15	5	SND	1	0.00	6.03	6.03	6.03	6.03	-3363.96	-4102.17	1.219
2.90	13	SND	5	281.00	12.06	12.06	12.06	12.06	-3915.42	-7873.19	2.011
5.46	5	SND	5	25.00	6.03	6.03	6.03	6.03	-3382.75	-4102.17	1.213
5.71	13	SND	6	280.00	6.03	6.03	6.03	6.03	-2697.61	-4102.17	1.521
8.26	5	SND	6	25.00	6.03	6.03	6.03	6.03	-2747.77	-4102.17	1.493
8.51	13	SND	7	379.00	6.03	6.03	6.03	6.03	-3180.48	-4102.17	1.290
10.28	13	SND	7	202.00	6.03	6.03	6.03	6.03	945.35	4102.17	4.339
12.05	5	SND	7	25.00	6.03	6.03	6.03	6.03	-2097.52	-4102.17	1.956
12.30	13	SND	8	115.00	6.03	6.03	6.03	6.03	-2434.61	-4102.17	1.685

Stato limite d'esercizio - Verifiche tensionali

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	My <daNm>	σ_f sup <daN/cm ² >	σ_f inf <daN/cm ² >	σ_c <daN/cm ² >
1.15	18	SLE R	1	0.00	6.03	6.03	-836.25	794.89	-133.96	25.00
1.15	20	SLE Q	1	0.00	6.03	6.03	-781.92	743.26	-125.26	23.38
2.90	18	SLE R	5	281.00	12.06	12.06	-486.24	239.32	-73.15	10.28
2.90	20	SLE Q	5	281.00	12.06	12.06	-361.50	177.93	-54.38	7.64
5.46	18	SLE R	5	25.00	6.03	6.03	-951.73	904.66	-152.46	28.45
5.46	20	SLE Q	5	25.00	6.03	6.03	-782.71	744.01	-125.39	23.40
5.71	18	SLE R	6	280.00	6.03	6.03	-959.51	912.07	-153.71	28.68
5.71	20	SLE Q	6	280.00	6.03	6.03	-773.33	735.09	-123.88	23.12
8.26	18	SLE R	6	25.00	6.03	6.03	-827.94	787.00	-132.63	24.75
8.26	20	SLE Q	6	25.00	6.03	6.03	-665.26	632.36	-106.57	19.89
8.51	18	SLE R	7	379.00	6.03	6.03	-2056.11	1954.43	-329.38	61.47
8.51	20	SLE Q	7	379.00	6.03	6.03	-1716.98	1632.07	-275.05	51.33
10.28	18	SLE R	7	202.00	6.03	6.03	940.10	-150.60	893.61	28.10
10.28	20	SLE Q	7	202.00	6.03	6.03	757.83	-121.40	720.36	22.66
12.05	18	SLE R	7	25.00	6.03	6.03	-937.05	890.71	-150.11	28.01
12.05	20	SLE Q	7	25.00	6.03	6.03	-663.19	630.40	-106.24	19.83
12.30	18	SLE R	8	115.00	6.03	6.03	-1091.63	1037.64	-174.87	32.63
12.30	20	SLE Q	8	115.00	6.03	6.03	-969.76	921.81	-155.35	28.99

Stato limite d'esercizio - Verifiche a fessurazione

Caso	Xg <m>	CC	TCC	El	Sez.	X <cm>	My <daNm>	c <mm>	s <mm>	K ₂	Φ_{eq}	Δ_{sm} <mm>	A _s <cmq>	A _{c eff} <cmq>	σ_s <daN/cm ² >	ϵ_{sm}	Wk <mm>
21	1.15	20	SLE Q	1	8	0.00	-781.92	33.00	209.00	0.50	16.00	143.90	6.03	293.69	743.26	0.22	0.05
22	1.15	19	SLE F	1	8	0.00	-781.80	33.00	209.00	0.50	16.00	143.90	6.03	293.69	743.14	0.22	0.05
41	2.90	20	SLE Q	5	8	281.00	-361.50	33.00	83.60	0.50	16.00	101.81	12.06	270.02	177.93	0.05	0.01
42	2.90	19	SLE F	5	8	281.00	-369.93	33.00	83.60	0.50	16.00	101.81	12.06	270.02	182.07	0.05	0.01
63	5.46	20	SLE Q	5	8	25.00	-782.71	33.00	209.00	0.50	16.00	143.90	6.03	293.69	744.01	0.22	0.05
64	5.46	19	SLE F	5	8	25.00	-809.97	33.00	209.00	0.50	16.00	143.90	6.03	293.69	769.91	0.22	0.05
85	5.71	20	SLE Q	6	8	280.00	-773.33	33.00	209.00	0.50	16.00	143.90	6.03	293.69	735.09	0.21	0.05
86	5.71	19	SLE F	6	8	280.00	-795.92	33.00	209.00	0.50	16.00	143.90	6.03	293.69	756.56	0.22	0.05
107	8.26	20	SLE Q	6	8	25.00	-665.26	33.00	209.00	0.50	16.00	143.90	6.03	293.69	632.36	0.18	0.05
108	8.26	19	SLE F	6	8	25.00	-686.81	33.00	209.00	0.50	16.00	143.90	6.03	293.69	652.85	0.19	0.05
129	8.51	20	SLE Q	7	8	379.00	-1716.98	33.00	209.00	0.50	16.00	143.90	6.03	293.69	1632.07	0.49	0.12
130	8.51	19	SLE F	7	8	379.00	-1758.68	33.00	209.00	0.50	16.00	143.90	6.03	293.69	1671.71	0.49	0.12
149	10.28	20	SLE Q	7	8	202.00	757.83	33.00	209.00	0.50	16.00	143.90	6.03	293.69	720.36	0.21	0.05
150	10.28	19	SLE F	7	8	202.00	780.05	33.00	209.00	0.50	16.00	143.90	6.03	293.69	741.48	0.22	0.05
172	12.05	20	SLE Q	7	8	25.00	-663.19	33.00	209.00	0.50	16.00	143.90	6.03	293.69	630.40	0.18	0.04
173	12.05	19	SLE F	7	8	25.00	-697.26	33.00	209.00	0.50	16.00	143.90	6.03	293.69	662.78	0.19	0.05
194	12.30	20	SLE Q	8	8	115.00	-969.76	33.00	209.00	0.50	16.00	143.90	6.03	293.69	921.81	0.27	0.07
195	12.30	19	SLE F	8	8	115.00	-984.69	33.00	209.00	0.50	16.00	143.90	6.03	293.69	936.00	0.27	0.07

Stato limite ultimo - Verifiche a taglio

CC	X0 <m>	X1 <m>	Lung. <m>	Staff.	AfE St. <cmq/m>	bw <m>	Vsdu <daN>	ctg θ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
5 SND	0.06	0.91	0.85	ø8/10 2 br.	10.05	0.50	4206.08	2.50	17613.70	25416.20	17613.70	4.188
5 SND	0.91	1.15	0.24	ø8/10 2 br.	10.05	0.50	4488.28	2.50	17613.70	25416.20	17613.70	3.924
13 SND	2.90	3.14	0.24	ø8/10 2 br.	10.05	0.50	3744.38	2.50	17613.70	25416.20	17613.70	4.704
5 SND	3.14	5.22	2.08	ø8/10 2 br.	10.05	0.50	3791.25	2.50	17613.70	25416.20	17613.70	4.646
5 SND	5.22	5.46	0.24	ø8/10 2 br.	10.05	0.50	4073.45	2.50	17613.70	25416.20	17613.70	4.324
13 SND	5.71	5.95	0.24	ø8/10 2 br.	10.05	0.50	3112.75	2.50	17613.70	25416.20	17613.70	5.659
13 SND	5.95	8.02	2.07	ø8/10 2 br.	10.05	0.50	2830.55	2.50	17613.70	25416.20	17613.70	6.223
5 SND	8.02	8.26	0.24	ø8/10 2 br.	10.05	0.50	3027.99	2.50	17613.70	25416.20	17613.70	5.817
17 SLU	8.51	8.75	0.24	ø8/10 2 br.	10.05	0.50	4014.96	2.50	17613.70	25416.20	17613.70	4.387
17 SLU	8.75	11.81	3.06	ø8/10 2 br.	10.05	0.50	3530.41	2.50	17613.70	25416.20	17613.70	4.989
17 SLU	11.81	12.05	0.24	ø8/10 2 br.	10.05	0.50	3132.03	2.50	17613.70	25416.20	17613.70	5.624
13 SND	12.30	12.54	0.24	ø8/10 2 br.	10.05	0.50	3027.33	2.50	17613.70	25416.20	17613.70	5.818
13 SND	12.54	13.39	0.85	ø8/10 2 br.	10.05	0.50	2745.14	2.50	17613.70	25416.20	17613.70	6.416

Nodi: -738 -730 -731 -732 -733 -739

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf sup <cm>	Cf inf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
5R		30.00	24.00	4.10	4.10	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	MRdy <daNm>	Sic.
0.06	17	SLU	1	109.00	3.39	3.39	3.39	3.39	415.99	2479.97	5.962
13.39	17	SLU	5	6.00	3.39	3.39	3.39	3.39	320.72	2479.97	7.733

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	M'ydy <daNm>	Sic.
0.06	1	SND	1	109.00	3.39	3.39	3.39	3.39	444.90	2316.55	5.207
13.39	5	SND	5	6.00	3.39	3.39	3.39	3.39	883.44	2316.55	2.622

Stato limite d'esercizio - Verifiche tensionali

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	My <daNm>	σ_e sup <daN/cmq>	σ_e inf <daN/cmq>	σ_c <daN/cmq>
0.06	18	SLE R	1	109.00	3.39	3.39	316.00	-83.72	532.21	16.24
0.06	20	SLE Q	1	109.00	3.39	3.39	304.73	-80.74	513.22	15.66
13.39	18	SLE R	5	6.00	3.39	3.39	242.28	-64.19	408.05	12.45
13.39	20	SLE Q	5	6.00	3.39	3.39	236.38	-62.63	398.10	12.15

Stato limite d'esercizio - Verifiche a fessurazione

Caso	Xg <m>	CC	TCC	El	Sez.	X <cm>	My <daNm>	c <mm>	s <mm>	K ₂	Φ_{eq}	Δ_{sm} <mm>	A _s <cmq>	A _{c eff} <cmq>	σ_s <daN/cmq>	ϵ_{sm}	Wk <mm>
19	0.06	20	SLE Q	1	5	109.00	304.73	35.00	111.00	0.50	12.00	132.79	3.39	177.52	513.22	0.15	0.03
20	0.06	19	SLE F	1	5	109.00	302.92	35.00	111.00	0.50	12.00	132.79	3.39	177.52	510.18	0.15	0.03
39	13.39	20	SLE Q	5	5	6.00	236.38	35.00	111.00	0.50	12.00	132.79	3.39	177.52	398.10	0.12	0.03
40	13.39	19	SLE F	5	5	6.00	236.93	35.00	111.00	0.50	12.00	132.79	3.39	177.52	399.03	0.12	0.03

Stato limite ultimo - Verifiche a taglio

CC	X0 <m>	X1 <m>	Lung. <m>	Staff.	AfE St. <cmq/m>	bw <m>	Vsdu <daN>	ctg θ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1 SND	0.06	0.30	0.24	ø8/15 2 br.	6.70	0.30	859.27	2.50	11742.50	15249.70	11742.50	13.666
5 SND	0.30	13.15	12.85	ø8/15 2 br.	6.70	0.30	1543.24	2.50	11742.50	15249.70	11742.50	7.609
5 SND	13.15	13.39	0.24	ø8/15 2 br.	6.70	0.30	1543.24	2.50	11742.50	15249.70	11742.50	7.609

Travata n. 102

Nodi: 120 104 21

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf sup <cm>	Cf inf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
8R		50.00	24.00	4.10	4.10	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	N <daN>	MRdy <daNm>	Nu <daN>	Sic.
0.25	17	SLU	1	25.57	22.62	22.62	22.62	22.62	-301.88	0.00	-14631.70	0.00	48.468
3.40	17	SLU	1	348.25	22.62	22.62	22.62	22.62	-219.14	0.00	-14631.70	0.00	66.769
4.05	17	SLU	2	0.00	22.62	22.62	22.62	22.62	-426.86	1719.18	-14499.70	1719.18	33.969

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	N <daN>	M'ydy <daNm>	Nu <daN>	Sic.
0.25	1	SND	1	25.57	22.62	22.62	22.62	22.62	5666.04	0.00	14313.70	0.00	2.526
3.40	9	SND	1	348.25	22.62	22.62	22.62	22.62	6952.51	0.00	14313.70	0.00	2.059
4.05	1	SND	2	0.00	22.62	22.62	22.62	22.62	10142.90	39824.70	11249.90	39824.70	1.109

Stato limite d'esercizio - Verifiche tensionali

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	My <daNm>	N <daN>	σ_e sup <daN/cmq>	σ_e inf <daN/cmq>	σ_c <daN/cmq>
0.25	18	SLE R	1	25.57	22.62	22.62	-233.08	0.00	62.82	-28.32	3.46
0.25	20	SLE Q	1	25.57	22.62	22.62	-251.53	0.00	67.79	-30.56	3.74
3.40	18	SLE R	1	348.25	22.62	22.62	-167.08	0.00	45.03	-20.30	2.48
3.40	20	SLE Q	1	348.25	22.62	22.62	-147.53	0.00	39.76	-17.93	2.19
4.05	18	SLE R	2	0.00	22.62	22.62	-325.36	1339.50	117.02	-25.70	4.18
4.05	20	SLE Q	2	0.00	22.62	22.62	-326.97	1367.52	118.08	-25.59	4.19

Stato limite d'esercizio - Verifiche a fessurazione

Caso	Xg <m>	CC	TCC	El	Sez.	X <cm>	My <daNm>	N <daN>	c <mm>	s <mm>	K ₂	Φ _{eq}	Δ _{sm} <mm>	A _s <cmq>	A _{c eff} <cmq>	σ _s <daN/cmq>	ε _{sm}	Wk <mm>
19	0.25	20	SLE Q	1	8	25.57	-251.53	0.00	29.00	102.50	0.50	24.00	84.51	22.62	249.84	67.79	0.02	0.00
20	0.25	19	SLE F	1	8	25.57	-246.98	0.00	29.00	102.50	0.50	24.00	84.51	22.62	249.84	66.57	0.02	0.00
39	3.40	20	SLE Q	1	8	348.25	-147.53	0.00	29.00	102.50	0.50	24.00	84.51	22.62	249.84	39.76	0.01	0.00
40	3.40	19	SLE F	1	8	348.25	-152.51	0.00	29.00	102.50	0.50	24.00	84.51	22.62	249.84	41.11	0.01	0.00
59	4.05	20	SLE Q	2	8	0.00	-326.97	1367.52	29.00	102.50	0.50	24.00	88.21	22.62	284.76	118.08	0.03	0.01
60	4.05	19	SLE F	2	8	0.00	-326.88	1362.12	29.00	102.50	0.50	24.00	88.20	22.62	284.64	117.93	0.03	0.01

Stato limite ultimo - Verifiche a taglio

CC	X0 <m>	X1 <m>	Lung. <m>	Staff.	AfE St. <cmq/m>	bw <m>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
9 SND	0.33	0.56	0.24	ø8/10 2 br.	10.05	0.50	4151.44	2.50	17613.70	25416.20	17613.70	4.243
9 SND	0.56	3.25	2.75	ø8/10 2 br.	10.05	0.50	4081.04	2.50	17613.70	25416.20	17613.70	4.316
1 SND	3.25	3.48	0.24	ø8/10 2 br.	10.05	0.50	4118.08	2.50	17613.70	25416.20	17613.70	4.277
9 SND	4.13	4.37	0.24	ø8/10 2 br.	10.05	0.50	8753.12	2.50	17613.70	30191.10	17613.70	2.012
9 SND	4.37	5.15	0.80	ø8/10 2 br.	10.05	0.50	8682.72	2.50	17613.70	30197.60	17613.70	2.029

Travata n. 103

Nodi: 105 106 22

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf sup <cm>	Cf inf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
5R		30.00	24.00	4.10	4.10	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	MRdy <daNm>	Sic.
0.25	17	SLU	1	25.57	6.03	6.03	6.03	6.03	-250.82	-4131.30	16.471
3.71	17	SLU	1	379.54	6.03	6.03	6.03	6.03	-159.62	-4131.30	25.882
3.81	17	SLU	1	389.16	6.03	6.03	6.03	6.03	-159.62	-4131.30	25.882
4.05	17	SLU	2	0.00	6.03	6.03	6.03	6.03	-361.56	-4131.30	11.426

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	M'ydy <daNm>	Sic.
0.25	9	SND	1	25.57	6.03	6.03	6.03	6.03	-2547.61	-3977.96	1.561
3.71	1	SND	1	379.54	6.03	6.03	6.03	6.03	-2466.20	-3977.96	1.613
3.81	1	SND	1	389.16	6.03	6.03	6.03	6.03	-2466.20	-3977.96	1.613
4.05	9	SND	2	0.00	6.03	6.03	6.03	6.03	-3313.39	-3977.96	1.201

Stato limite d'esercizio - Verifiche tensionali

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	My <daNm>	σ _f sup <daN/cmq>	σ _f inf <daN/cmq>	σ _c <daN/cmq>
0.25	18	SLE R	1	25.57	6.03	6.03	-184.76	180.28	-48.09	7.16
0.25	20	SLE Q	1	25.57	6.03	6.03	-189.04	184.45	-49.20	7.32
3.71	18	SLE R	1	379.54	6.03	6.03	-131.95	128.75	-34.35	5.11
3.71	20	SLE Q	1	379.54	6.03	6.03	-128.52	125.40	-33.45	4.98
3.81	18	SLE R	1	389.16	6.03	6.03	-131.95	128.75	-34.35	5.11
3.81	20	SLE Q	1	389.16	6.03	6.03	-128.52	125.40	-33.45	4.98
4.05	18	SLE R	2	0.00	6.03	6.03	-277.92	271.18	-72.34	10.77
4.05	20	SLE Q	2	0.00	6.03	6.03	-274.53	267.87	-71.46	10.63

Stato limite d'esercizio - Verifiche a fessurazione

Caso	Xg <m>	CC	TCC	El	Sez.	X <cm>	My <daNm>	c <mm>	s <mm>	K ₂	Φ _{eq}	Δ _{sm} <mm>	A _s <cmq>	A _{c eff} <cmq>	σ _s <daN/cmq>	ε _{sm}	Wk <mm>
19	0.25	20	SLE Q	1	5	25.57	-189.04	33.00	109.00	0.50	16.00	109.96	6.03	165.73	184.45	0.05	0.01
20	0.25	19	SLE F	1	5	25.57	-187.93	33.00	109.00	0.50	16.00	109.96	6.03	165.73	183.37	0.05	0.01
39	3.71	20	SLE Q	1	5	379.54	-128.52	33.00	109.00	0.50	16.00	109.96	6.03	165.73	125.40	0.04	0.01
40	3.71	19	SLE F	1	5	379.54	-129.59	33.00	109.00	0.50	16.00	109.96	6.03	165.73	126.45	0.04	0.01
59	3.81	20	SLE Q	1	5	389.16	-128.52	33.00	109.00	0.50	16.00	109.96	6.03	165.73	125.40	0.04	0.01
60	3.81	19	SLE F	1	5	389.16	-129.59	33.00	109.00	0.50	16.00	109.96	6.03	165.73	126.45	0.04	0.01
79	4.05	20	SLE Q	2	5	0.00	-274.53	33.00	109.00	0.50	16.00	109.96	6.03	165.73	267.87	0.08	0.01
80	4.05	19	SLE F	2	5	0.00	-275.06	33.00	109.00	0.50	16.00	109.96	6.03	165.73	268.39	0.08	0.01

Stato limite ultimo - Verifiche a taglio

CC	X0 <m>	X1 <m>	Lung. <m>	Staff.	AfE St. <cmq/m>	bw <m>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
9 SND	0.33	0.56	0.24	ø8/15 2 br.	6.70	0.30	1609.56	2.50	11742.50	15249.70	11742.50	7.295
1 SND	0.56	3.65	3.16	ø8/15 2 br.	6.70	0.30	1571.36	2.50	11742.50	15249.70	11742.50	7.473
1 SND	3.65	3.88	0.24	ø8/15 2 br.	6.70	0.30	1594.93	2.50	11742.50	15249.70	11742.50	7.362
9 SND	4.13	4.37	0.24	ø8/15 2 br.	6.70	0.30	2946.93	2.50	11742.50	15249.70	11742.50	3.985
9 SND	4.37	5.15	0.80	ø8/15 2 br.	6.70	0.30	2904.69	2.50	11742.50	15249.70	11742.50	4.043

Travata n. 105

Nodi: 110 111 23

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf sup <cm>	Cf inf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	TP	Fyk <daN/cmq>	Fyd <daN/cmq>
5R		30.00	24.00	4.10	4.10	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	MRdy <daNm>	Sic.
0.25	17	SLU	1	25.57	6.03	6.03	6.03	6.03	-230.64	-4131.30	17.912
3.81	17	SLU	1	389.16	6.03	6.03	6.03	6.03	-164.63	-4131.30	25.095
4.06	17	SLU	2	0.00	6.03	6.03	6.03	6.03	-320.56	-4131.30	12.888

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	M'ydy <daNm>	Sic.
0.25	1	SND	1	25.57	6.03	6.03	6.03	6.03	-2437.17	-3977.96	1.632
3.81	9	SND	1	389.16	6.03	6.03	6.03	6.03	-2351.18	-3977.96	1.692
4.06	1	SND	2	0.00	6.03	6.03	6.03	6.03	-3155.70	-3977.96	1.261

Stato limite d'esercizio - Verifiche tensionali

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	My <daNm>	σ_f sup <daN/cmq>	σ_f inf <daN/cmq>	σ_c <daN/cmq>
0.25	18	SLE R	1	25.57	6.03	6.03	-169.40	165.29	-44.09	6.56
0.25	20	SLE Q	1	25.57	6.03	6.03	-174.03	169.81	-45.30	6.74
3.81	18	SLE R	1	389.16	6.03	6.03	-136.06	132.76	-35.42	5.27
3.81	20	SLE Q	1	389.16	6.03	6.03	-133.51	130.27	-34.75	5.17
4.06	18	SLE R	2	0.00	6.03	6.03	-245.73	239.77	-63.96	9.52
4.06	20	SLE Q	2	0.00	6.03	6.03	-246.10	240.13	-64.06	9.53

Stato limite d'esercizio - Verifiche a fessurazione

Caso	Xg <m>	CC	TCC	El	Sez.	X <cm>	My <daNm>	c <mm>	s <mm>	K ₂	Φ_{eq}	Δ_{sm} <mm>	A _s <cmq>	A _{c eff} <cmq>	σ_s <daN/cmq>	ϵ_{sm}	Wk <mm>
19	0.25	20	SLE Q	1	5	25.57	-174.03	33.00	109.00	0.50	16.00	109.96	6.03	165.73	169.81	0.05	0.01
20	0.25	19	SLE F	1	5	25.57	-173.14	33.00	109.00	0.50	16.00	109.96	6.03	165.73	168.94	0.05	0.01
39	3.81	20	SLE Q	1	5	389.16	-133.51	33.00	109.00	0.50	16.00	109.96	6.03	165.73	130.27	0.04	0.01
40	3.81	19	SLE F	1	5	389.16	-134.15	33.00	109.00	0.50	16.00	109.96	6.03	165.73	130.89	0.04	0.01
59	4.06	20	SLE Q	2	5	0.00	-246.10	33.00	109.00	0.50	16.00	109.96	6.03	165.73	240.13	0.07	0.01
60	4.06	19	SLE F	2	5	0.00	-245.96	33.00	109.00	0.50	16.00	109.96	6.03	165.73	240.00	0.07	0.01

Stato limite ultimo - Verifiche a taglio

CC	X0 <m>	X1 <m>	Lung. <m>	Staff.	AfE St. <cmq/m>	bw <m>	Vsdu <daN>	ctg θ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1 SND	0.33	0.56	0.24	ø8/15 2 br.	6.70	0.30	1544.80	2.50	11742.50	15249.70	11742.50	7.601
9 SND	0.56	3.65	3.16	ø8/15 2 br.	6.70	0.30	1517.60	2.50	11742.50	15249.70	11742.50	7.738
9 SND	3.65	3.88	0.24	ø8/15 2 br.	6.70	0.30	1541.18	2.50	11742.50	15249.70	11742.50	7.619
1 SND	4.13	4.37	0.24	ø8/15 2 br.	6.70	0.30	2791.90	2.50	11742.50	15249.70	11742.50	4.206
1 SND	4.37	5.15	0.80	ø8/15 2 br.	6.70	0.30	2749.66	2.50	11742.50	15249.70	11742.50	4.271

Travata n. 107

Nodi: 118 119 24

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf sup <cm>	Cf inf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	TP	Fyk <daN/cmq>	Fyd <daN/cmq>
5R		30.00	24.00	4.10	4.10	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	N <daN>	MRdy <daNm>	Nu <daN>	Sic.
0.33	17	SLU	1	33.24	13.57	13.57	13.57	13.57	-157.09	0.00	-8779.01	0.00	55.886
3.40	17	SLU	1	348.25	13.57	13.57	13.57	13.57	-131.61	0.00	-8779.01	0.00	66.705
4.05	17	SLU	2	0.00	13.57	13.57	13.57	13.57	-158.09	2431.60	-8592.19	2431.60	54.350

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	N <daN>	M'ydy <daNm>	Nu <daN>	Sic.
0.33	9	SND	1	33.24	13.57	13.57	13.57	13.57	4069.20	0.00	8588.21	0.00	2.111
3.40	1	SND	1	348.25	13.57	13.57	13.57	13.57	4305.01	0.00	8588.21	0.00	1.995
4.05	9	SND	2	0.00	13.57	13.57	13.57	13.57	5840.47	21876.50	6911.03	21876.50	1.183

Stato limite d'esercizio - Verifiche tensionali

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	My <daNm>	N <daN>	σ_f sup <daN/cmq>	σ_f inf <daN/cmq>	σ_c <daN/cmq>
0.33	18	SLE R	1	33.24	13.57	13.57	-117.39	0.00	52.73	-23.77	2.91

Relazione di calcolo

0.33	20	SLE Q	1	33.24	13.57	13.57	-123.66	0.00	55.55	-25.04	3.06
3.40	18	SLE R	1	348.25	13.57	13.57	-105.94	0.00	47.59	-21.45	2.62
3.40	20	SLE Q	1	348.25	13.57	13.57	-102.86	0.00	46.21	-20.83	2.55
4.05	18	SLE R	2	0.00	13.57	13.57	-128.51	1919.41	130.09	13.96	1.08
4.05	20	SLE Q	2	0.00	13.57	13.57	-143.02	1938.60	137.18	10.34	1.50

Stato limite d'esercizio - Verifiche a fessurazione

Caso	Xg <m>	CC	TCC	El	Sez.	X <cm>	My <daNm>	N <daN>	c <mm>	s <mm>	K ₂	Φ _{eq}	Δ _{sm} <mm>	A _s <cmq>	A _{c eff} <cmq>	σ _s <daN/cmq>	ε _{sm}	Wk <mm>
19	0.33	20	SLE Q	1	5	33.24	-123.66	0.00	29.00	105.00	0.50	24.00	84.51	13.57	149.91	55.55	0.02	0.00
20	0.33	19	SLE F	1	5	33.24	-122.27	0.00	29.00	105.00	0.50	24.00	84.51	13.57	149.91	54.92	0.02	0.00
39	3.40	20	SLE Q	1	5	348.25	-102.86	0.00	29.00	105.00	0.50	24.00	84.51	13.57	149.91	46.21	0.01	0.00
40	3.40	19	SLE F	1	5	348.25	-103.81	0.00	29.00	105.00	0.50	24.00	84.51	13.57	149.91	46.63	0.01	0.00
59	4.05	20	SLE Q	2	5	0.00	-143.02	1938.60	29.00	105.00	0.50	24.00	95.47	13.57	211.88	137.18	0.04	0.01
60	4.05	19	SLE F	2	5	0.00	-140.63	1936.83	29.00	105.00	0.50	24.00	95.64	13.57	212.83	136.06	0.04	0.01

Stato limite ultimo - Verifiche a taglio

CC	X0 <m>	X1 <m>	Lung. <m>	Staff.	AfE St. <cmq/m>	bw <m>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1 SND	0.40	0.64	0.24	ø8/15 2 br.	6.70	0.30	2753.50	2.50	11742.50	15249.70	11742.50	4.265
9 SND	0.64	3.25	2.67	ø8/15 2 br.	6.70	0.30	2735.38	2.50	11742.50	15249.70	11742.50	4.293
9 SND	3.25	3.48	0.24	ø8/15 2 br.	6.70	0.30	2758.96	2.50	11742.50	15249.70	11742.50	4.256
1 SND	4.13	4.37	0.24	ø8/15 2 br.	6.70	0.30	5198.59	2.50	11742.50	15249.70	11742.50	2.259
1 SND	4.37	5.15	0.80	ø8/15 2 br.	6.70	0.30	5156.35	2.50	11742.50	15249.70	11742.50	2.277

Travata n. 113

Nodi: 120 -714 -715 121 105 110 118 25

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf sup <cm>	Cf inf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
8R		50.00	24.00	4.10	4.10	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	MRdy <daNm>	Sic.
1.75	17	SLU	4	0.00	14.07	12.06	14.07	12.06	-787.91	-9370.39	11.893
4.31	17	SLU	4	256.00	8.04	6.03	8.04	6.03	-1402.27	-5635.17	4.019
4.56	17	SLU	5	0.00	8.04	6.03	8.04	6.03	-1540.71	-5635.17	3.658
7.11	17	SLU	5	255.00	8.04	6.03	8.04	6.03	-1351.13	-5635.17	4.171
7.36	17	SLU	6	0.00	8.04	6.03	8.04	6.03	-3269.78	-5635.17	1.723
10.56	17	SLU	6	319.90	8.04	6.03	8.04	6.03	-843.03	-5635.17	6.684
10.90	17	SLU	6	354.00	8.04	6.03	8.04	6.03	-1239.45	-5635.17	4.547
11.15	17	SLU	7	0.00	8.04	6.03	8.04	6.03	-1751.74	-5635.17	3.217

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	M'ydy <daNm>	Sic.
1.75	5	SND	4	0.00	14.07	12.06	14.07	12.06	4390.63	7875.58	1.794
4.31	5	SND	4	256.00	8.04	6.03	8.04	6.03	-4307.27	-5380.87	1.249
4.56	13	SND	5	0.00	8.04	6.03	8.04	6.03	-3527.84	-5380.87	1.525
7.11	5	SND	5	255.00	8.04	6.03	8.04	6.03	-3425.68	-5380.87	1.571
7.36	13	SND	6	0.00	8.04	6.03	8.04	6.03	-4945.03	-5380.87	1.088
10.56	13	SND	6	319.90	8.04	6.03	8.04	6.03	3475.28	4094.37	1.178
10.90	13	SND	6	354.00	8.04	6.03	8.04	6.03	3475.28	4094.37	1.178
11.15	13	SND	7	0.00	8.04	6.03	8.04	6.03	-2286.62	-5380.87	2.353

Stato limite d'esercizio - Verifiche tensionali

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	My <daNm>	σ _f sup <daN/cmq>	σ _f inf <daN/cmq>	σ _c <daN/cmq>
1.75	18	SLE R	4	0.00	14.07	12.06	-573.14	243.34	-86.93	11.51
1.75	20	SLE Q	4	0.00	14.07	12.06	-467.04	198.30	-70.84	9.38
4.31	18	SLE R	4	256.00	8.04	6.03	-999.88	721.99	-170.75	26.83
4.31	20	SLE Q	4	256.00	8.04	6.03	-859.93	620.93	-146.85	23.07
4.56	18	SLE R	5	0.00	8.04	6.03	-1109.29	800.99	-189.44	29.76
4.56	20	SLE Q	5	0.00	8.04	6.03	-944.05	681.67	-161.22	25.33
7.11	18	SLE R	5	255.00	8.04	6.03	-963.13	695.45	-164.48	25.84
7.11	20	SLE Q	5	255.00	8.04	6.03	-821.36	593.08	-140.26	22.04
7.36	18	SLE R	6	0.00	8.04	6.03	-2343.82	1692.41	-400.26	62.89
7.36	20	SLE Q	6	0.00	8.04	6.03	-2039.93	1472.98	-348.36	54.73
10.56	18	SLE R	6	319.90	8.04	6.03	-607.80	438.88	-103.80	16.31
10.56	20	SLE Q	6	319.90	8.04	6.03	-454.69	328.32	-77.65	12.20
10.90	18	SLE R	6	354.00	8.04	6.03	-892.29	644.30	-152.38	23.94
10.90	20	SLE Q	6	354.00	8.04	6.03	-690.90	498.88	-117.98	18.54
11.15	18	SLE R	7	0.00	8.04	6.03	-1290.48	931.82	-220.38	34.62
11.15	20	SLE Q	7	0.00	8.04	6.03	-1141.07	823.93	-194.86	30.62

Stato limite d'esercizio - Verifiche a fessurazione

Caso	Xg <m>	CC	TCC	El	Sez.	X <cm>	My <daNm>	c <mm>	s <mm>	K ₂	Φ _{eq}	Δ _{sm} <mm>	A _s <cmq>	A _{c eff} <cmq>	σ _s <daN/cmq>	ε _{sm}	Wk <mm>
19	1.75	20	SLE Q	4	8	0.00	-467.04	33.00	69.67	0.50	16.00	95.83	14.07	262.36	198.30	0.06	0.01
20	1.75	19	SLE F	4	8	0.00	-472.68	33.00	69.67	0.50	16.00	95.83	14.07	262.36	200.69	0.06	0.01
39	4.31	20	SLE Q	4	8	256.00	-859.93	33.00	139.33	0.50	16.00	121.96	8.04	281.30	620.93	0.18	0.04
40	4.31	19	SLE F	4	8	256.00	-883.52	33.00	139.33	0.50	16.00	121.96	8.04	281.30	637.96	0.19	0.04
60	4.56	20	SLE Q	5	8	0.00	-944.05	33.00	139.33	0.50	16.00	121.96	8.04	281.30	681.67	0.20	0.04
61	4.56	19	SLE F	5	8	0.00	-964.63	33.00	139.33	0.50	16.00	121.96	8.04	281.30	696.53	0.20	0.04
82	7.11	20	SLE Q	5	8	255.00	-821.36	33.00	139.33	0.50	16.00	121.96	8.04	281.30	593.08	0.17	0.04
83	7.11	19	SLE F	5	8	255.00	-840.03	33.00	139.33	0.50	16.00	121.96	8.04	281.30	606.57	0.18	0.04
102	7.36	20	SLE Q	6	8	0.00	-2039.93	33.00	139.33	0.50	16.00	121.96	8.04	281.30	1472.98	0.49	0.10
103	7.36	19	SLE F	6	8	0.00	-2077.79	33.00	139.33	0.50	16.00	121.96	8.04	281.30	1500.31	0.44	0.09
125	10.56	20	SLE Q	6	8	319.90	298.24	33.00	209.00	0.50	16.00	144.48	6.03	295.86	284.26	0.08	0.02
126	10.56	19	SLE F	6	8	319.90	-473.17	33.00	139.33	0.50	16.00	121.96	8.04	281.30	341.66	0.10	0.02
147	10.90	20	SLE Q	6	8	354.00	-690.90	33.00	139.33	0.50	16.00	121.96	8.04	281.30	498.88	0.15	0.03
148	10.90	19	SLE F	6	8	354.00	-715.29	33.00	139.33	0.50	16.00	121.96	8.04	281.30	516.49	0.15	0.03
170	11.15	20	SLE Q	7	8	0.00	-1141.07	33.00	139.33	0.50	16.00	121.96	8.04	281.30	823.93	0.24	0.05
171	11.15	19	SLE F	7	8	0.00	-1159.24	33.00	139.33	0.50	16.00	121.96	8.04	281.30	837.06	0.24	0.05

Stato limite ultimo - Verifiche a taglio

CC	X0 <m>	X1 <m>	Lung. <m>	Staff.	AfE St. <cmq/m>	bw <m>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
13 SND	1.75	1.99	0.24	ø8/10 2 br.	10.05	0.50	4728.11	2.50	17613.70	25416.20	17613.70	3.725
5 SND	1.99	4.07	2.08	ø8/10 2 br.	10.05	0.50	4698.79	2.50	17613.70	25416.20	17613.70	3.749
5 SND	4.07	4.31	0.24	ø8/10 2 br.	10.05	0.50	5035.05	2.50	17613.70	25416.20	17613.70	3.498
13 SND	4.56	4.80	0.24	ø8/10 2 br.	10.05	0.50	3869.02	2.50	17613.70	25416.20	17613.70	4.553
13 SND	4.80	6.87	2.07	ø8/10 2 br.	10.05	0.50	3532.76	2.50	17613.70	25416.20	17613.70	4.986
5 SND	6.87	7.11	0.24	ø8/10 2 br.	10.05	0.50	3772.79	2.50	17613.70	25416.20	17613.70	4.669
13 SND	7.36	7.60	0.24	ø8/10 2 br.	10.05	0.50	4765.23	2.50	17613.70	25416.20	17613.70	3.696
13 SND	7.60	10.66	3.06	ø8/10 2 br.	10.05	0.50	4428.97	2.50	17613.70	25416.20	17613.70	3.977
5 SND	10.66	10.90	0.24	ø8/10 2 br.	10.05	0.50	4003.06	2.50	17613.70	25416.20	17613.70	4.400
9 SND	11.15	11.39	0.24	ø8/10 2 br.	10.05	0.50	2623.12	2.50	17613.70	25416.20	17613.70	6.715
9 SND	11.39	12.24	0.85	ø8/10 2 br.	10.05	0.50	2378.42	2.50	17613.70	25416.20	17613.70	7.406

Travata n. 115

Nodi: 104 -1424 106 111 119 26

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf sup <cm>	Cf inf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
8R		50.00	24.00	4.10	4.10	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	MRdy <daNm>	Sic.
0.25	17	SLU	1	150.00	15.71	12.57	15.71	12.57	-2045.00	-10371.30	5.072
3.07	17	SLU	2	149.00	15.71	12.57	15.71	12.57	1517.43	8441.40	5.563
4.06	17	SLU	2	50.00	15.71	12.57	15.71	12.57	-2362.10	-10371.30	4.391
4.56	17	SLU	3	280.00	15.71	12.57	15.71	12.57	-2476.06	-10371.30	4.189
6.86	17	SLU	3	50.00	28.27	25.13	28.27	25.13	-452.06	-18082.30	39.999
7.36	17	SLU	4	379.00	28.27	25.13	28.27	25.13	-3695.02	-18082.30	4.894
10.90	17	SLU	4	25.00	12.57	12.57	12.57	12.57	-1185.40	-8441.02	7.121
11.15	17	SLU	5	115.00	12.57	12.57	12.57	12.57	-1958.22	-8441.02	4.311

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	M'ydy <daNm>	Sic.
0.25	13	SND	1	150.00	15.71	12.57	15.71	12.57	-3518.84	-10088.30	2.867
3.07	13	SND	2	149.00	15.71	12.57	15.71	12.57	2237.56	8186.41	3.659
4.06	5	SND	2	50.00	15.71	12.57	15.71	12.57	-4188.64	-10088.30	2.408
4.56	13	SND	3	280.00	15.71	12.57	15.71	12.57	-7810.98	-10088.30	1.292
6.86	13	SND	3	50.00	28.27	25.13	28.27	25.13	5835.37	15871.70	2.720
7.36	13	SND	4	379.00	28.27	25.13	28.27	25.13	-5673.90	-17694.20	3.119
10.90	5	SND	4	25.00	12.57	12.57	12.57	12.57	-3883.36	-8182.33	2.107
11.15	9	SND	5	115.00	12.57	12.57	12.57	12.57	-1751.48	-8182.33	4.672

Stato limite d'esercizio - Verifiche tensionali

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	My <daNm>	σ _f sup <daN/cmq>	σ _f inf <daN/cmq>	σ _c <daN/cmq>
0.25	18	SLE R	1	150.00	15.71	12.57	-1487.77	568.70	-223.62	28.61
0.25	20	SLE Q	1	150.00	15.71	12.57	-1151.15	440.02	-173.02	22.14
3.07	18	SLE R	2	149.00	15.71	12.57	1108.01	-152.90	525.35	21.93
3.07	20	SLE Q	2	149.00	15.71	12.57	864.73	-119.33	410.00	17.11
4.06	18	SLE R	2	50.00	15.71	12.57	-1731.13	661.72	-260.20	33.30
4.06	20	SLE Q	2	50.00	15.71	12.57	-1354.63	517.80	-203.61	26.05

Relazione di calcolo

4.56	18	SLE R	3	280.00	15.71	12.57	-1815.29	693.89	-272.85	34.91
4.56	20	SLE Q	3	280.00	15.71	12.57	-1446.87	553.06	-217.47	27.83
6.86	18	SLE R	3	50.00	28.27	25.13	-326.35	70.92	-37.80	4.40
6.86	20	SLE Q	3	50.00	28.27	25.13	-236.82	51.46	-27.43	3.19
7.36	18	SLE R	4	379.00	28.27	25.13	-2689.39	584.44	-311.47	36.26
7.36	20	SLE Q	4	379.00	28.27	25.13	-2176.78	473.05	-252.10	29.35
10.90	18	SLE R	4	25.00	12.57	12.57	-881.45	417.28	-131.28	18.24
10.90	20	SLE Q	4	25.00	12.57	12.57	-626.52	296.60	-93.31	12.97
11.15	18	SLE R	5	115.00	12.57	12.57	-1458.76	690.59	-217.26	30.19
11.15	20	SLE Q	5	115.00	12.57	12.57	-1205.68	570.78	-179.56	24.95

Stato limite d'esercizio - Verifiche a fessurazione

Caso	Xg <m>	CC	TCC	El	Sez.	X <cm>	My <daNm>	c <mm>	s <mm>	K ₂	Φ _{eq}	Δ _{sm} <mm>	A _s <cmq>	A _{c eff} <cmq>	σ _s <daN/cmq>	ε _{sm}	Wk <mm>
20	0.25	20	SLE Q	1	8	150.00	-1151.15	31.00	103.50	0.50	20.00	94.77	15.71	257.35	440.02	0.13	0.02
21	0.25	19	SLE F	1	8	150.00	-1191.09	31.00	103.50	0.50	20.00	94.77	15.71	257.35	455.29	0.13	0.02
44	3.07	20	SLE Q	2	8	149.00	864.73	31.00	138.00	0.50	20.00	105.34	12.57	272.30	410.00	0.12	0.02
45	3.07	19	SLE F	2	8	149.00	894.31	31.00	138.00	0.50	20.00	105.34	12.57	272.30	424.03	0.12	0.02
64	4.06	20	SLE Q	2	8	50.00	-1354.63	31.00	103.50	0.50	20.00	94.77	15.71	257.35	517.80	0.15	0.02
65	4.06	19	SLE F	2	8	50.00	-1402.15	31.00	103.50	0.50	20.00	94.77	15.71	257.35	535.97	0.16	0.03
84	4.56	20	SLE Q	3	8	280.00	-1446.87	31.00	103.50	0.50	20.00	94.77	15.71	257.35	553.06	0.16	0.03
85	4.56	19	SLE F	3	8	280.00	-1493.91	31.00	103.50	0.50	20.00	94.77	15.71	257.35	571.04	0.17	0.03
104	6.86	20	SLE Q	3	8	50.00	-236.82	31.00	51.75	0.50	20.00	78.98	28.27	240.12	51.46	0.01	0.00
105	6.86	19	SLE F	3	8	50.00	-246.63	31.00	51.75	0.50	20.00	78.98	28.27	240.12	53.60	0.02	0.00
124	7.36	20	SLE Q	4	8	379.00	-2176.78	31.00	51.75	0.50	20.00	78.98	28.27	240.12	473.05	0.15	0.02
125	7.36	19	SLE F	4	8	379.00	-2241.54	31.00	51.75	0.50	20.00	78.98	28.27	240.12	487.12	0.14	0.02
144	10.90	20	SLE Q	4	8	25.00	-626.52	31.00	138.00	0.50	20.00	104.76	12.57	268.65	296.60	0.09	0.02
145	10.90	19	SLE F	4	8	25.00	-656.59	31.00	138.00	0.50	20.00	104.76	12.57	268.65	310.83	0.09	0.02
164	11.15	20	SLE Q	5	8	115.00	-1205.68	31.00	138.00	0.50	20.00	104.76	12.57	268.65	570.78	0.17	0.03
165	11.15	19	SLE F	5	8	115.00	-1237.48	31.00	138.00	0.50	20.00	104.76	12.57	268.65	585.83	0.17	0.03

Stato limite ultimo - Verifiche a taglio

CC	X0 <m>	X1 <m>	Lung. <m>	Staff.	AfE St. <cmq/m>	bw <m>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
17 SLU	0.25	0.49	0.24	ø8/10 2 br.	10.05	0.50	4377.51	2.50	17613.70	25416.20	17613.70	4.024
17 SLU	0.49	3.82	3.33	ø8/10 2 br.	10.05	0.50	3997.59	2.50	17613.70	25416.20	17613.70	4.406
17 SLU	3.82	4.06	0.24	ø8/10 2 br.	10.05	0.50	4596.23	2.50	17613.70	25416.20	17613.70	3.832
13 SND	4.56	4.80	0.24	ø8/10 2 br.	10.05	0.50	7338.06	2.50	17613.70	25416.20	17613.70	2.400
13 SND	4.80	6.62	1.82	ø8/10 2 br.	10.05	0.50	6996.71	2.50	17613.70	25416.20	17613.70	2.517
5 SND	6.62	6.86	0.24	ø8/10 2 br.	10.05	0.50	6285.84	2.50	17613.70	25416.20	17613.70	2.802
17 SLU	7.36	7.60	0.24	ø8/10 2 br.	10.05	0.50	5123.86	2.50	17613.70	25416.20	17613.70	3.438
17 SLU	7.60	10.66	3.06	ø8/10 2 br.	10.05	0.50	4525.22	2.50	17613.70	25416.20	17613.70	3.892
5 SND	10.66	10.90	0.24	ø8/10 2 br.	10.05	0.50	3986.98	2.50	17613.70	25416.20	17613.70	4.418
17 SLU	11.15	11.39	0.24	ø8/10 2 br.	10.05	0.50	3243.62	2.50	17613.70	25416.20	17613.70	5.430
17 SLU	11.39	12.24	0.85	ø8/10 2 br.	10.05	0.50	2644.98	2.50	17613.70	25416.20	17613.70	6.659

Travata n. 201

Nodi: -741 229 226 36 224 225 -738

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf sup <cm>	Cf inf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
8	R	50.00	24.00	4.10	4.10	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/presoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	MRdy <daNm>	Sic.
0.13	17	SLU	1	13.62	4.62	4.62	4.62	4.62	-136.15	-3473.14	25.509
9.55	17	SLU	4	20.00	12.31	6.16	12.31	6.16	-481.35	-8275.89	17.193
14.67	17	SLU	6	4.98	6.16	6.16	6.16	6.16	-49.93	-4450.98	89.138

Stato limite elastico - Verifiche a flessione/presoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	M'ydy <daNm>	Sic.
0.13	1	SND	1	13.62	4.62	4.62	4.62	4.62	-1147.60	-3191.52	2.781
9.55	9	SND	4	20.00	12.31	6.16	12.31	6.16	3582.78	4159.09	1.161
14.67	9	SND	6	4.98	6.16	6.16	6.16	6.16	-143.40	-4182.23	29.164

Stato limite d'esercizio - Verifiche tensionali

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	My <daNm>	σ _r sup <daN/cmq>	σ _r inf <daN/cmq>	σ _c <daN/cmq>
0.13	18	SLE R	1	13.62	4.62	4.62	-102.08	124.98	-15.48	3.46
0.13	20	SLE Q	1	13.62	4.62	4.62	-90.38	110.66	-13.71	3.07
9.55	18	SLE R	4	20.00	12.31	6.16	-366.22	176.22	-64.78	8.49
9.55	20	SLE Q	4	20.00	12.31	6.16	-348.56	167.72	-61.66	8.08
14.67	18	SLE R	6	4.98	6.16	6.16	-37.23	34.70	-5.97	1.10
14.67	20	SLE Q	6	4.98	6.16	6.16	-33.70	31.41	-5.41	1.00

Stato limite d'esercizio - Verifiche a fessurazione

Caso	Xg <m>	CC	TCC	El	Sez.	X <cm>	My <daNm>	c <mm>	s <mm>	K ₂	Φ _{eq}	Δ _{sm} <mm>	A _s <cmq>	A _{c eff} <cmq>	σ _s <daN/cmq>	ε _{sm}	Wk <mm>
19	0.13	20	SLE Q	1	8	13.62	-90.38	34.00	210.00	0.50	14.00	159.75	4.62	302.64	110.66	0.03	0.01
20	0.13	19	SLE F	1	8	13.62	-91.78	34.00	210.00	0.50	14.00	159.75	4.62	302.64	112.37	0.03	0.01
47	9.55	20	SLE Q	4	8	20.00	-348.56	34.00	60.00	0.50	14.00	97.66	12.31	260.88	167.72	0.05	0.01
48	9.55	19	SLE F	4	8	20.00	-350.45	34.00	60.00	0.50	14.00	97.66	12.31	260.88	168.63	0.05	0.01
68	14.67	20	SLE Q	6	8	4.98	-33.70	34.00	140.00	0.50	14.00	134.62	6.16	292.99	31.41	0.01	0.00
69	14.67	19	SLE F	6	8	4.98	-33.91	34.00	140.00	0.50	14.00	134.62	6.16	292.99	31.61	0.01	0.00

Stato limite ultimo - Verifiche a taglio

CC	X0 <m>	X1 <m>	Lung. <m>	Staff.	AfE St. <cmq/m>	bw <m>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1 SND	0.09	0.32	0.24	ø8/10 2 br.	10.05	0.50	1956.16	2.50	17613.70	25416.20	17613.70	9.004
1 SND	0.32	5.36	5.35	ø8/10 2 br.	10.05	0.50	1956.16	2.50	17613.70	25416.20	17613.70	9.004
1 SND	5.36	5.59	0.24	ø8/10 2 br.	10.05	0.50	980.63	2.50	17613.70	25416.20	17613.70	17.962
17 SLU	5.66	5.89	0.24	ø8/10 2 br.	10.05	0.50	645.29	2.50	17613.70	25416.20	17613.70	27.296
17 SLU	5.89	9.10	3.36	ø8/10 2 br.	10.05	0.50	696.24	2.50	17613.70	25416.20	17613.70	25.299
17 SLU	9.10	9.33	0.24	ø8/10 2 br.	10.05	0.50	785.72	2.50	17613.70	25416.20	17613.70	22.417
9 SND	9.41	9.63	0.24	ø8/10 2 br.	10.05	0.50	8916.26	2.50	17613.70	25416.20	17613.70	1.975
9 SND	9.63	13.27	3.88	ø8/10 2 br.	10.05	0.50	8848.77	2.50	17613.70	25416.20	17613.70	1.991
1 SND	13.27	13.49	0.24	ø8/10 2 br.	10.05	0.50	823.24	2.50	17613.70	25416.20	17613.70	21.396
17 SLU	13.50	13.72	0.24	ø8/10 2 br.	10.05	0.50	418.44	2.50	17613.70	25416.20	17613.70	42.093
17 SLU	13.72	14.48	0.82	ø8/10 2 br.	10.05	0.50	331.43	2.50	17613.70	25416.20	17613.70	53.145
1 SND	14.48	14.71	0.24	ø8/10 2 br.	10.05	0.50	101.26	2.50	17613.70	25416.20	17613.70	>100

Travata n. 202

Nodi: -698 201 202 219 31 203 221 -730

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf sup <cm>	Cf inf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	TP	Fyk <daN/cmq>	Fyd <daN/cmq>
9R		60.00	24.00	4.10	4.10	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	N <daN>	MRdy <daNm>	Nu <daN>	Sic.
1.17	17	SLU	1	123.84	21.61	22.62	21.61	22.62	-1866.95	0.00	-14159.30	0.00	7.584
1.82	17	SLU	2	68.97	21.61	22.62	21.61	22.62	-1293.75	0.00	-14159.30	0.00	10.944
4.84	17	SLU	2	389.92	29.66	22.62	29.66	22.62	-2704.22	0.00	-19042.50	0.00	7.042
5.34	17	SLU	3	18.57	29.66	22.62	29.66	22.62	-3304.35	-21636.00	-20598.60	-21636.00	6.234
9.22	17	SLU	4	376.37	8.04	20.11	8.04	20.11	-2256.18	0.00	-5754.63	0.00	2.551
9.87	17	SLU	6	13.66	10.05	28.15	10.05	28.15	-637.09	0.00	-7005.56	0.00	10.996
13.45	17	SLU	6	395.83	10.05	12.06	10.05	12.06	-459.35	0.00	-7010.27	0.00	15.261
13.70	17	SLU	7	26.89	10.05	12.06	10.05	12.06	-467.23	0.00	-7010.27	0.00	15.004

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	N <daN>	M'ydy <daNm>	Nu <daN>	Sic.
1.17	1	SND	1	123.84	21.61	22.62	21.61	22.62	-13112.00	0.00	-13821.80	0.00	1.054
1.82	9	SND	2	68.97	21.61	22.62	21.61	22.62	-7695.63	0.00	-13821.80	0.00	1.796
4.84	1	SND	2	389.92	29.66	22.62	29.66	22.62	-6636.61	0.00	-18586.10	0.00	2.801
5.34	9	SND	3	18.57	29.66	22.62	29.66	22.62	-8526.63	-59071.20	-17153.70	-59071.20	2.012
9.22	1	SND	4	376.37	8.04	20.11	8.04	20.11	-2007.05	0.00	-5393.24	0.00	2.687
9.87	9	SND	6	13.66	10.05	28.15	10.05	28.15	-5239.94	0.00	-6653.18	0.00	1.270
13.45	1	SND	6	395.83	10.05	12.06	10.05	12.06	-3417.07	0.00	-6696.88	0.00	1.960
13.70	9	SND	7	26.89	10.05	12.06	10.05	12.06	-1932.70	0.00	-6696.88	0.00	3.465

Stato limite d'esercizio - Verifiche tensionali

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	My <daNm>	N <daN>	σ _ε sup <daN/cmq>	σ _ε inf <daN/cmq>	σ _c <daN/cmq>
1.17	18	SLE R	1	123.84	21.61	22.62	-1370.30	0.00	383.21	-149.32	19.17
1.17	20	SLE Q	1	123.84	21.61	22.62	-1091.51	0.00	305.24	-118.94	15.27
1.82	18	SLE R	2	68.97	21.61	22.62	-943.76	0.00	263.92	-102.84	13.20
1.82	20	SLE Q	2	68.97	21.61	22.62	-725.09	0.00	202.77	-79.01	10.14
4.84	18	SLE R	2	389.92	29.66	22.62	-1981.15	0.00	408.72	-216.07	25.21
4.84	20	SLE Q	2	389.92	29.66	22.62	-1582.39	0.00	326.46	-172.58	20.14
5.34	18	SLE R	3	18.57	29.66	22.62	-2416.79	-15843.50	261.42	-384.30	36.79
5.34	20	SLE Q	3	18.57	29.66	22.62	-1924.59	-13332.80	198.47	-311.01	29.55
9.22	18	SLE R	4	376.37	8.04	20.11	-1652.97	0.00	1197.54	-166.68	34.71
9.22	20	SLE Q	4	376.37	8.04	20.11	-1299.79	0.00	941.67	-131.06	27.30
9.87	18	SLE R	6	13.66	10.05	28.15	-483.88	0.00	284.10	-44.21	8.63
9.87	20	SLE Q	6	13.66	10.05	28.15	-459.23	0.00	269.62	-41.96	8.19
13.45	18	SLE R	6	395.83	10.05	12.06	-355.84	0.00	206.76	-45.19	7.37
13.45	20	SLE Q	6	395.83	10.05	12.06	-366.31	0.00	212.84	-46.52	7.59
13.70	18	SLE R	7	26.89	10.05	12.06	-352.40	0.00	204.76	-44.75	7.30

Relazione di calcolo

13.70	20	SLE Q	7	26.89	10.05	12.06	-347.51	0.00	201.92	-44.13	7.20
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Stato limite d'esercizio - Verifiche a fessurazione

Caso	Xg <m>	CC	TCC	El	Sez.	X <cm>	My <daNm>	N <daN>	c <mm>	s <mm>	K ₂	Φ _{eq}	Δ _{sm} <mm>	A _s <cmq>	A _{c eff} <cmq>	σ _s <daN/cmq>	ε _{sm}	Wk <mm>
19	1.17	20	SLE Q	1	9	123.84	-1091.51	0.00	31.29	85.67	0.50	20.24	91.54	21.61	309.39	305.24	0.09	0.01
20	1.17	19	SLE F	1	9	123.84	-1125.21	0.00	31.29	85.67	0.50	20.24	91.54	21.61	309.39	314.67	0.09	0.01
39	1.82	20	SLE Q	2	9	68.97	-725.09	0.00	31.29	85.67	0.50	20.24	91.54	21.61	309.39	202.77	0.06	0.01
40	1.82	19	SLE F	2	9	68.97	-752.68	0.00	31.29	85.67	0.50	20.24	91.54	21.61	309.39	210.49	0.06	0.01
61	4.84	20	SLE Q	2	9	389.92	-1582.39	0.00	31.91	51.40	0.50	18.88	82.20	29.66	288.72	326.46	0.10	0.01
62	4.84	19	SLE F	2	9	389.92	-1631.37	0.00	31.91	51.40	0.50	18.88	82.20	29.66	288.72	336.56	0.10	0.01
102	9.22	20	SLE Q	4	9	376.37	-1299.79	0.00	33.00	171.33	0.50	16.00	137.50	8.04	359.39	941.67	0.27	0.06
103	9.22	19	SLE F	4	9	376.37	-1342.43	0.00	33.00	171.33	0.50	16.00	137.50	8.04	359.39	972.56	0.28	0.07
122	9.87	20	SLE Q	6	9	13.66	-459.23	0.00	33.00	128.50	0.50	16.00	122.57	10.05	355.45	269.62	0.08	0.02
123	9.87	19	SLE F	6	9	13.66	-465.66	0.00	33.00	128.50	0.50	16.00	122.57	10.05	355.45	273.40	0.08	0.02
143	13.45	20	SLE Q	6	9	395.83	-366.31	0.00	33.00	128.50	0.50	16.00	120.32	10.05	341.32	212.84	0.06	0.01
144	13.45	19	SLE F	6	9	395.83	-361.96	0.00	33.00	128.50	0.50	16.00	120.32	10.05	341.32	210.31	0.06	0.01
163	13.70	20	SLE Q	7	9	26.89	-347.51	0.00	33.00	128.50	0.50	16.00	120.32	10.05	341.32	201.92	0.06	0.01
164	13.70	19	SLE F	7	9	26.89	-346.36	0.00	33.00	128.50	0.50	16.00	120.32	10.05	341.32	201.25	0.06	0.01

Stato limite ultimo - Verifiche a taglio

CC	X0 <m>	X1 <m>	Lung. <m>	Staff.	AfE St. <cmq/m>	bw <m>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1 SND	0.09	0.90	0.86	ø10/10 2 br.	15.71	0.60	11474.90	2.50	27521.40	30499.50	27521.40	2.398
1 SND	0.90	1.13	0.24	ø10/10 2 br.	15.71	0.60	11864.40	2.50	27521.40	30499.50	27521.40	2.320
9 SND	1.78	2.00	0.24	ø10/10 2 br.	15.71	0.60	6083.38	2.50	27521.40	30499.50	27521.40	4.524
1 SND	2.00	4.58	2.73	ø10/10 2 br.	15.71	0.60	6089.89	2.50	27521.40	30499.50	27521.40	4.519
1 SND	4.58	4.80	0.24	ø10/15 2 br.	10.47	0.60	6479.45	2.50	18347.60	30499.50	18347.60	2.832
9 SND	5.30	5.59	0.30	ø10/10 2 br.	15.71	0.60	22763.80	2.50	27521.40	38099.80	27521.40	1.209
17 SLU	5.66	5.89	0.24	ø10/10 2 br.	15.71	0.60	5467.05	2.50	27521.40	30499.50	27521.40	5.034
17 SLU	5.89	9.01	3.26	ø10/10 2 br.	15.71	0.60	4778.66	2.50	27521.40	30499.50	27521.40	5.759
9 SND	9.01	9.24	0.24	ø10/10 2 br.	15.71	0.60	43825.20	2.50	27521.40	30499.50	27521.40	1.028
9 SND	9.83	10.05	0.24	ø10/10 2 br.	15.71	0.60	2718.14	2.50	27521.40	30499.50	27521.40	10.125
9 SND	10.05	13.19	3.34	ø10/10 2 br.	15.71	0.60	2667.28	2.50	27521.40	30499.50	27521.40	10.318
1 SND	13.19	13.41	0.24	ø10/10 2 br.	15.71	0.60	2639.39	2.50	27521.40	30499.50	27521.40	10.427
9 SND	13.66	13.88	0.24	ø10/10 2 br.	15.71	0.60	2050.74	2.50	27521.40	30499.50	27521.40	13.420
9 SND	13.88	14.71	0.89	ø10/10 2 br.	15.71	0.60	2002.24	2.50	27521.40	30499.50	27521.40	13.745

Travata n. 203

Nodi: -742 -716 223 -731

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf sup <cm>	Cf inf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
5R		30.00	24.00	4.10	4.10	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	N <daN>	MRdy <daNm>	Nu <daN>	Sic.
4.08	17	SLU	2	395.83	9.42	9.42	9.42	9.42	-228.01	0.00	-6227.89	0.00	27.314
4.33	17	SLU	3	26.89	9.42	9.42	9.42	9.42	-227.59	0.00	-6227.89	0.00	27.365

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	N <daN>	M'ydy <daNm>	Nu <daN>	Sic.
4.08	1	SND	2	395.83	9.42	9.42	9.42	9.42	-1282.28	0.00	-6064.07	0.00	4.729
4.33	9	SND	3	26.89	9.42	9.42	9.42	9.42	-1846.86	0.00	-6064.07	0.00	3.283

Stato limite d'esercizio - Verifiche tensionali

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	My <daNm>	N <daN>	σ _f sup <daN/cmq>	σ _f inf <daN/cmq>	σ _c <daN/cmq>
4.08	18	SLE R	2	395.83	9.42	9.42	-178.85	0.00	114.03	-41.61	5.47
4.08	20	SLE Q	2	395.83	9.42	9.42	-180.23	0.00	114.91	-41.93	5.51
4.33	18	SLE R	3	26.89	9.42	9.42	-171.66	0.00	109.45	-39.94	5.25
4.33	20	SLE Q	3	26.89	9.42	9.42	-165.38	0.00	105.44	-38.48	5.05

Stato limite d'esercizio - Verifiche a fessurazione

Caso	Xg <m>	CC	TCC	El	Sez.	X <cm>	My <daNm>	N <daN>	c <mm>	s <mm>	K ₂	Φ _{eq}	Δ _{sm} <mm>	A _s <cmq>	A _{c eff} <cmq>	σ _s <daN/cmq>	ε _{sm}	Wk <mm>
19	4.08	20	SLE Q	2	5	395.83	-180.23	0.00	31.00	109.00	0.50	20.00	95.27	9.42	156.76	114.91	0.03	0.01
20	4.08	19	SLE F	2	5	395.83	-179.67	0.00	31.00	109.00	0.50	20.00	95.27	9.42	156.76	114.56	0.03	0.01
39	4.33	20	SLE Q	3	5	26.89	-165.38	0.00	31.00	107.00	0.50	20.00	95.27	9.42	156.76	105.44	0.03	0.00
40	4.33	19	SLE F	3	5	26.89	-165.84	0.00	31.00	107.00	0.50	20.00	95.27	9.42	156.76	105.74	0.03	0.00

Stato limite ultimo - Verifiche a taglio

CC	X0	X1	Lung.	Staff.	AfE St.	bw	Vsdu	ctgθ	VRsd	VRcd	Vrdu	Sic.
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	<m>	<m>	<m>		<cmq/m>	<m>	<daN>		<daN>	<daN>	<daN>	
1 SND	0.01	0.33	0.34	ø8/15 2 br.	6.70	0.30	9121.88	2.50	11742.50	18362.20	11742.50	1.287
1 SND	0.33	3.73	3.63	ø8/15 2 br.	6.70	0.30	9121.88	2.50	11742.50	15249.70	11742.50	1.287
1 SND	3.73	3.96	0.24	ø6/12 2 br.	4.71	0.30	877.24	2.50	8256.41	15249.70	8256.41	9.412
9 SND	4.20	4.42	0.24	ø8/15 2 br.	6.70	0.30	1833.26	2.50	11742.50	15249.70	11742.50	6.405
9 SND	4.42	5.25	0.89	ø8/15 2 br.	6.70	0.30	1825.04	2.50	11742.50	15249.70	11742.50	6.434

Travata n. 204

Nodi: -699 207 -722 208 32

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B	H	Cf sup	Cf inf	Cls	Fck	Fctk	Fcd	Fctd	Tp	Fyk	Fyd
		<cm>	<cm>	<cm>	<cm>		<daN/cmq>	<daN/cmq>	<daN/cmq>	<daN/cmq>		<daN/cmq>	<daN/cmq>
8R		50.00	24.00	4.10	4.10	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/presoflessione

Xg	CC	TCC	El	X	Afe S	Afe I	AfEP S	AfEP I	My	MRdy	Sic.
<m>				<cm>	<cmq>	<cmq>	<cmq>	<cmq>	<daNm>	<daNm>	
1.17	17	SLU	1	123.84	12.57	9.42	12.57	9.42	-3115.52	-8440.20	2.709
1.42	17	SLU	2	26.53	12.57	9.42	12.57	9.42	-2969.89	-8440.20	2.842
3.14	17	SLU	2	209.81	12.57	9.42	12.57	9.42	2847.93	6492.64	2.280
5.37	17	SLU	2	446.16	21.99	9.42	21.99	9.42	-4892.06	-14012.00	2.864
5.62	17	SLU	4	-0.00	21.99	9.42	21.99	9.42	-5896.13	-14012.00	2.376

Stato limite elastico - Verifiche a flessione/presoflessione

Xg	CC	TCC	El	X	Afe S	Afe I	AfEP S	AfEP I	My	M' ydy	Sic.
<m>				<cm>	<cmq>	<cmq>	<cmq>	<cmq>	<daNm>	<daNm>	
1.17	9	SND	1	123.84	12.57	9.42	12.57	9.42	-7703.98	-8174.85	1.061
1.42	1	SND	2	26.53	12.57	9.42	12.57	9.42	-3936.76	-8174.85	2.077
3.14	9	SND	2	209.81	12.57	9.42	12.57	9.42	2643.94	6233.55	2.358
5.37	9	SND	2	446.16	21.99	9.42	21.99	9.42	-3854.02	-12926.80	3.354
5.62	1	SND	4	-0.00	21.99	9.42	21.99	9.42	-3410.31	-12926.80	3.791

Stato limite d'esercizio - Verifiche tensionali

Xg	CC	TCC	El	X	Afe S	Afe I	My	σ _f sup	σ _f inf	σ _c
<m>				<cm>	<cmq>	<cmq>	<daNm>	<daN/cmq>	<daN/cmq>	<daN/cmq>
1.17	18	SLE R	1	123.84	12.57	9.42	-2285.91	1080.54	-369.38	49.71
1.17	20	SLE Q	1	123.84	12.57	9.42	-1832.26	866.10	-296.07	39.84
1.42	18	SLE R	2	26.53	12.57	9.42	-2168.54	1025.06	-350.41	47.16
1.42	20	SLE Q	2	26.53	12.57	9.42	-1647.53	778.78	-266.22	35.83
3.14	18	SLE R	2	209.81	12.57	9.42	2079.89	-301.25	1297.96	47.75
3.14	20	SLE Q	2	209.81	12.57	9.42	1627.14	-235.68	1015.42	37.36
5.37	18	SLE R	2	446.16	21.99	9.42	-3570.80	990.56	-579.15	65.76
5.37	20	SLE Q	2	446.16	21.99	9.42	-2812.05	780.08	-456.08	51.79
5.62	18	SLE R	4	-0.00	21.99	9.42	-4302.70	1193.59	-697.85	79.24
5.62	20	SLE Q	4	-0.00	21.99	9.42	-3340.68	926.72	-541.82	61.53

Stato limite d'esercizio - Verifiche a fessurazione

Caso	Xg	CC	TCC	El	Sez.	X	My	c	s	K ₂	Φ _{eq}	Δ _{sm}	A _s	A _{c eff}	σ _s	ε _{sm}	Wk
	<m>					<cm>	<daNm>	<mm>	<mm>			<mm>	<cmq>	<cmq>	<daN/cmq>		<mm>
19	1.17	20	SLE Q	1	8	123.84	-1832.26	31.00	138.00	0.50	20.00	104.11	12.57	264.58	866.10	0.27	0.05
20	1.17	19	SLE F	1	8	123.84	-1883.13	31.00	138.00	0.50	20.00	104.11	12.57	264.58	890.14	0.26	0.05
42	1.42	20	SLE Q	2	8	26.53	-1647.53	31.00	138.00	0.50	20.00	104.11	12.57	264.58	778.78	0.23	0.04
43	1.42	19	SLE F	2	8	26.53	-1714.08	31.00	138.00	0.50	20.00	104.11	12.57	264.58	810.24	0.24	0.04
62	3.14	20	SLE Q	2	8	209.81	1627.14	31.00	207.00	0.50	20.00	126.93	9.42	282.06	1015.42	0.30	0.06
63	3.14	19	SLE F	2	8	209.81	1682.16	31.00	207.00	0.50	20.00	126.93	9.42	282.06	1049.75	0.31	0.07
82	5.37	20	SLE Q	2	8	446.16	-2812.05	31.00	69.00	0.50	20.00	83.33	21.99	234.51	780.08	0.29	0.04
83	5.37	19	SLE F	2	8	446.16	-2903.96	31.00	69.00	0.50	20.00	83.33	21.99	234.51	805.57	0.25	0.04
102	5.62	20	SLE Q	4	8	-0.00	-3340.68	31.00	69.00	0.50	20.00	83.33	21.99	234.51	926.72	0.36	0.05
103	5.62	19	SLE F	4	8	-0.00	-3459.25	31.00	69.00	0.50	20.00	83.33	21.99	234.51	959.62	0.33	0.05

Stato limite ultimo - Verifiche a taglio

CC	X0	X1	Lung.	Staff.	Afe St.	bw	Vsdu	ctgθ	VRsd	VRcd	Vrdu	Sic.
	<m>	<m>	<m>		<cmq/m>	<m>	<daN>		<daN>	<daN>	<daN>	
9 SND	0.09	0.90	0.86	ø8/10 2 br.	10.05	0.50	6724.85	2.50	17613.70	25416.20	17613.70	2.619
9 SND	0.90	1.13	0.24	ø8/10 2 br.	10.05	0.50	7126.74	2.50	17613.70	25416.20	17613.70	2.471
17 SLU	1.38	1.60	0.24	ø8/10 2 br.	10.05	0.50	5722.90	2.50	17613.70	25416.20	17613.70	3.078
17 SLU	1.60	5.11	3.72	ø8/10 2 br.	10.05	0.50	5681.25	2.50	17613.70	25416.20	17613.70	3.100
17 SLU	5.11	5.33	0.24	ø8/10 2 br.	10.05	0.50	6388.26	2.50	17613.70	25416.20	17613.70	2.757
17 SLU	5.66	5.89	0.24	ø8/10 2 br.	10.05	0.50	7157.44	2.50	17613.70	25416.20	17613.70	2.461
17 SLU	5.89	9.28	3.55	ø8/10 2 br.	10.05	0.50	6437.81	2.50	17613.70	25416.20	17613.70	2.736

Travata n. 205

Nodi: -743 -717 210 -732

Caratteristiche delle sezioni e dei materiali utilizzati

Relazione di calcolo

Sez.	Tipo	B <cm>	H <cm>	Cf sup <cm>	Cf inf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
5R		30.00	24.00	4.10	4.10	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	N <daN>	MRdy <daNm>	Nu <daN>	Sic.
4.08	17	SLU	2	395.83	9.42	9.42	9.42	9.42	-211.29	0.00	-6227.89	0.00	29.476
4.33	17	SLU	3	26.89	9.42	9.42	9.42	9.42	-162.68	0.00	-6227.89	0.00	38.282

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	N <daN>	M'ydy <daNm>	Nu <daN>	Sic.
4.08	9	SND	2	395.83	9.42	9.42	9.42	9.42	-1226.64	0.00	-6064.07	0.00	4.944
4.33	1	SND	3	26.89	9.42	9.42	9.42	9.42	-1792.29	0.00	-6064.07	0.00	3.383

Stato limite d'esercizio - Verifiche tensionali

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	My <daNm>	N <daN>	σ_f sup <daN/cmq>	σ_f inf <daN/cmq>	σ_c <daN/cmq>
4.08	18	SLE R	2	395.83	9.42	9.42	-166.47	0.00	106.14	-38.73	5.09
4.08	20	SLE Q	2	395.83	9.42	9.42	-172.24	0.00	109.81	-40.07	5.26
4.33	18	SLE R	3	26.89	9.42	9.42	-124.08	0.00	79.11	-28.87	3.79
4.33	20	SLE Q	3	26.89	9.42	9.42	-124.79	0.00	79.56	-29.03	3.81

Stato limite d'esercizio - Verifiche a fessurazione

Caso	Xg <m>	CC	TCC	El	Sez.	X <cm>	My <daNm>	N <daN>	c <mm>	s <mm>	K ₂	Φ_{eq}	Δ_{sm} <mm>	A _s <cmq>	A _{c eff} <cmq>	σ_s <daN/cmq>	ϵ_{sm}	Wk <mm>
19	4.08	20	SLE Q	2	5	395.83	-172.24	0.00	31.00	107.00	0.50	20.00	95.27	9.42	156.76	109.81	0.03	0.01
20	4.08	19	SLE F	2	5	395.83	-171.54	0.00	31.00	107.00	0.50	20.00	95.27	9.42	156.76	109.37	0.03	0.01
39	4.33	20	SLE Q	3	5	26.89	-124.79	0.00	31.00	107.00	0.50	20.00	95.27	9.42	156.76	79.56	0.02	0.00
40	4.33	19	SLE F	3	5	26.89	-124.39	0.00	31.00	107.00	0.50	20.00	95.27	9.42	156.76	79.31	0.02	0.00

Stato limite ultimo - Verifiche a taglio

CC	X0 <m>	X1 <m>	Lung. <m>	Staff.	AfE St. <cmq/m>	bw <m>	Vsdu <daN>	ctg θ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
9 SND	0.09	3.82	3.97	ø8/15 2 br.	6.70	0.30	8526.85	2.50	11742.50	15249.70	11742.50	1.377
9 SND	3.82	4.04	0.24	ø8/15 2 br.	6.70	0.30	850.92	2.50	11742.50	15249.70	11742.50	13.800
1 SND	4.29	4.51	0.24	ø8/15 2 br.	6.70	0.30	1711.10	2.50	11742.50	15249.70	11742.50	6.863
1 SND	4.51	5.34	0.89	ø8/15 2 br.	6.70	0.30	1686.85	2.50	11742.50	15249.70	11742.50	6.961

Travata n. 206

Nodi: -700 212 -723 213 33

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf sup <cm>	Cf inf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
8R		50.00	24.00	4.10	4.10	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	MRdy <daNm>	Sic.
1.17	17	SLU	1	123.84	12.57	9.42	12.57	9.42	-2823.99	-8440.20	2.989
1.42	17	SLU	2	26.53	12.57	9.42	12.57	9.42	-1934.10	-8440.20	4.364
2.59	17	SLU	2	151.41	12.57	9.42	12.57	9.42	1984.76	6492.64	3.271
5.37	17	SLU	2	446.16	21.99	9.42	21.99	9.42	-3812.52	-14012.00	3.675
5.62	17	SLU	4	-0.00	21.99	9.42	21.99	9.42	-4390.26	-14012.00	3.192

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	M'ydy <daNm>	Sic.
1.17	1	SND	1	123.84	12.57	9.42	12.57	9.42	-7558.73	-8174.85	1.082
1.42	9	SND	2	26.53	12.57	9.42	12.57	9.42	-3388.62	-8174.85	2.412
2.59	1	SND	2	151.41	12.57	9.42	12.57	9.42	2436.21	6233.55	2.559
5.37	1	SND	2	446.16	21.99	9.42	21.99	9.42	-3293.12	-12926.80	3.925
5.62	9	SND	4	-0.00	21.99	9.42	21.99	9.42	-2587.09	-12926.80	4.997

Stato limite d'esercizio - Verifiche tensionali

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	My <daNm>	σ_f sup <daN/cmq>	σ_f inf <daN/cmq>	σ_c <daN/cmq>
1.17	18	SLE R	1	123.84	12.57	9.42	-2080.36	983.38	-336.16	45.24
1.17	20	SLE Q	1	123.84	12.57	9.42	-1683.30	795.69	-272.00	36.60
1.42	18	SLE R	2	26.53	12.57	9.42	-1414.59	668.67	-228.58	30.76
1.42	20	SLE Q	2	26.53	12.57	9.42	-1081.37	511.16	-174.74	23.51
2.59	18	SLE R	2	151.41	12.57	9.42	1454.07	-210.61	907.41	33.38
2.59	20	SLE Q	2	151.41	12.57	9.42	1163.24	-168.49	725.92	26.71
5.37	18	SLE R	2	446.16	21.99	9.42	-2790.46	774.09	-452.58	51.39

5.37	20	SLE Q	2	446.16	21.99	9.42	-2233.10	619.47	-362.18	41.13
5.62	18	SLE R	4	-0.00	21.99	9.42	-3211.82	890.98	-520.92	59.15
5.62	20	SLE Q	4	-0.00	21.99	9.42	-2530.87	702.08	-410.48	46.61

Stato limite d'esercizio - Verifiche a fessurazione

Caso	Xg <m>	CC	TCC	El	Sez.	X <cm>	My <daNm>	c <mm>	s <mm>	K ₂	Φ _{eq}	Δ _{sm} <mm>	A _s <cmq>	A _{c eff} <cmq>	σ _s <daN/cmq>	ε _{sm}	Wk <mm>
19	1.17	20	SLE Q	1	8	123.84	-1683.30	31.00	138.00	0.50	20.00	104.11	12.57	264.58	795.69	0.24	0.04
20	1.17	19	SLE F	1	8	123.84	-1729.07	31.00	138.00	0.50	20.00	104.11	12.57	264.58	817.32	0.24	0.04
39	1.42	20	SLE Q	2	8	26.53	-1081.37	31.00	138.00	0.50	20.00	104.11	12.57	264.58	511.16	0.15	0.03
40	1.42	19	SLE F	2	8	26.53	-1124.00	31.00	138.00	0.50	20.00	104.11	12.57	264.58	531.31	0.15	0.03
63	2.59	20	SLE Q	2	8	151.41	1163.24	31.00	207.00	0.50	20.00	126.93	9.42	282.06	725.92	0.21	0.05
64	2.59	19	SLE F	2	8	151.41	1198.29	31.00	207.00	0.50	20.00	126.93	9.42	282.06	747.79	0.22	0.05
83	5.37	20	SLE Q	2	8	446.16	-2233.10	31.00	69.00	0.50	20.00	83.33	21.99	234.51	619.47	0.21	0.03
84	5.37	19	SLE F	2	8	446.16	-2300.63	31.00	69.00	0.50	20.00	83.33	21.99	234.51	638.21	0.19	0.03
103	5.62	20	SLE Q	4	8	-0.00	-2530.87	31.00	69.00	0.50	20.00	83.33	21.99	234.51	702.08	0.25	0.04
104	5.62	19	SLE F	4	8	-0.00	-2614.86	31.00	69.00	0.50	20.00	83.33	21.99	234.51	725.38	0.21	0.03

Stato limite ultimo - Verifiche a taglio

CC	X0 <m>	X1 <m>	Lung. <m>	Staff.	AfE St. <cmq/m>	bw <m>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1 SND	0.09	0.90	0.86	ø8/10 2 br.	10.05	0.50	6495.72	2.50	17613.70	25416.20	17613.70	2.712
1 SND	0.90	1.13	0.24	ø8/10 2 br.	10.05	0.50	6800.04	2.50	17613.70	25416.20	17613.70	2.590
17 SLU	1.38	1.60	0.24	ø8/10 2 br.	10.05	0.50	4153.02	2.50	17613.70	25416.20	17613.70	4.241
17 SLU	1.60	5.11	3.72	ø8/10 2 br.	10.05	0.50	4335.40	2.50	17613.70	25416.20	17613.70	4.063
17 SLU	5.11	5.33	0.24	ø8/10 2 br.	10.05	0.50	4861.64	2.50	17613.70	25416.20	17613.70	3.623
17 SLU	5.66	5.89	0.24	ø8/10 2 br.	10.05	0.50	5327.18	2.50	17613.70	25416.20	17613.70	3.306
17 SLU	5.89	9.28	3.55	ø8/10 2 br.	10.05	0.50	4791.63	2.50	17613.70	25416.20	17613.70	3.676

Travata n. 207

Nodi: -701 215 216 220 34 217 218 -733

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf sup <cm>	Cf inf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
9R		60.00	24.00	4.10	4.10	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/presoflessione

Xg <m>	CC	TCC	El	X <cm>	AfES <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	N <daN>	MRdy <daNm>	Nu <daN>	Sic.
1.17	17	SLU	1	123.84	21.61	18.10	21.61	18.10	-1927.82	0.00	-14145.50	0.00	7.338
1.82	17	SLU	2	68.97	21.61	18.10	21.61	18.10	-582.30	0.00	-14145.50	0.00	24.292
4.84	17	SLU	2	389.92	29.66	18.10	29.66	18.10	-2224.12	0.00	-18951.40	0.00	8.521
5.34	17	SLU	3	18.57	29.66	18.10	29.66	18.10	-2078.64	-11822.70	-19757.70	-11822.70	9.505
9.22	17	SLU	4	376.37	8.04	20.11	8.04	20.11	-1708.48	0.00	-5754.63	0.00	3.368
9.87	17	SLU	6	13.66	10.05	28.15	10.05	28.15	-425.78	0.00	-7005.56	0.00	16.453
13.13	17	SLU	6	361.16	10.05	12.06	10.05	12.06	-445.24	0.00	-7010.27	0.00	15.745
13.78	17	SLU	7	34.96	10.05	12.06	10.05	12.06	152.61	0.00	8264.59	0.00	54.155

Stato limite elastico - Verifiche a flessione/presoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	N <daN>	M'ydy <daNm>	Nu <daN>	Sic.
1.17	1	SND	1	123.84	21.61	18.10	21.61	18.10	10414.90	0.00	11679.50	0.00	1.121
1.82	9	SND	2	68.97	21.61	18.10	21.61	18.10	6474.27	0.00	11679.50	0.00	1.804
4.84	9	SND	2	389.92	29.66	18.10	29.66	18.10	-5861.18	0.00	-18008.40	0.00	3.072
5.34	9	SND	3	18.57	29.66	18.10	29.66	18.10	5064.16	32893.40	9016.64	32893.40	1.780
9.22	9	SND	4	376.37	8.04	20.11	8.04	20.11	-1616.27	0.00	-5393.24	0.00	3.337
9.87	1	SND	6	13.66	10.05	28.15	10.05	28.15	-5581.23	0.00	-6653.18	0.00	1.192
13.13	9	SND	6	361.16	10.05	12.06	10.05	12.06	-4547.35	0.00	-6696.88	0.00	1.473
13.78	1	SND	7	34.96	10.05	12.06	10.05	12.06	-5713.75	0.00	-6696.88	0.00	1.172

Stato limite d'esercizio - Verifiche tensionali

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	My <daNm>	N <daN>	σ _f sup <daN/cmq>	σ _f inf <daN/cmq>	σ _c <daN/cmq>
1.17	18	SLE R	1	123.84	21.61	18.10	-1417.73	0.00	396.25	-167.78	20.94
1.17	20	SLE Q	1	123.84	21.61	18.10	-1175.33	0.00	328.50	-139.09	17.36
1.82	18	SLE R	2	68.97	21.61	18.10	-427.31	0.00	119.43	-50.57	6.31
1.82	20	SLE Q	2	68.97	21.61	18.10	-310.09	0.00	86.67	-36.70	4.58
4.84	18	SLE R	2	389.92	29.66	18.10	-1634.43	0.00	337.45	-193.04	22.05
4.84	20	SLE Q	2	389.92	29.66	18.10	-1340.56	0.00	276.78	-158.33	18.08
5.34	18	SLE R	3	18.57	29.66	18.10	-1530.73	-8945.05	182.75	-254.09	24.50
5.34	20	SLE Q	3	18.57	29.66	18.10	-1226.32	-7474.83	142.18	-205.89	19.75
9.22	18	SLE R	4	376.37	8.04	20.11	-1254.47	0.00	908.83	-126.50	26.34
9.22	20	SLE Q	4	376.37	8.04	20.11	-1007.32	0.00	729.78	-101.57	21.15
9.87	18	SLE R	6	13.66	10.05	28.15	-326.90	0.00	191.93	-29.87	5.83
9.87	20	SLE Q	6	13.66	10.05	28.15	-325.62	0.00	191.18	-29.75	5.81
13.13	18	SLE R	6	361.16	10.05	12.06	-341.34	0.00	198.34	-43.35	7.07

Relazione di calcolo

13.13	20	SLE Q	6	361.16	10.05	12.06	-334.91	0.00	194.60	-42.53	6.94
13.78	18	SLE R	7	34.96	10.05	12.06	107.12	0.00	-14.61	52.19	2.13
13.78	20	SLE Q	7	34.96	10.05	12.06	85.36	0.00	-11.64	41.59	1.70

Stato limite d'esercizio - Verifiche a fessurazione

Caso	Xg <m>	CC	TCC	El	Sez.	X <cm>	My <daNm>	N <daN>	c <mm>	s <mm>	K ₂	Φ _{eq}	Δ _{sm} <mm>	A _s <cmq>	A _{c eff} <cmq>	σ _s <daN/cmq>	ε _{sm}	Wk <mm>
19	1.17	20	SLE Q	1	9	123.84	-1175.33	0.00	31.29	85.67	0.50	20.24	91.03	21.61	304.00	328.50	0.10	0.01
20	1.17	19	SLE F	1	9	123.84	-1206.02	0.00	31.29	85.67	0.50	20.24	91.03	21.61	304.00	337.08	0.10	0.02
40	1.82	20	SLE Q	2	9	68.97	-310.09	0.00	31.29	85.67	0.50	20.24	91.03	21.61	304.00	86.67	0.03	0.00
42	1.82	19	SLE F	2	9	68.97	-324.17	0.00	31.29	85.67	0.50	20.24	91.03	21.61	304.00	90.61	0.03	0.00
63	4.84	20	SLE Q	2	9	389.92	-1340.56	0.00	31.91	51.40	0.50	18.88	81.84	29.66	283.01	276.78	0.08	0.01
64	4.84	19	SLE F	2	9	389.92	-1376.98	0.00	31.91	51.40	0.50	18.88	81.84	29.66	283.01	284.30	0.08	0.01
107	9.22	20	SLE Q	4	9	376.37	-1007.32	0.00	33.00	171.33	0.50	16.00	137.50	8.04	359.39	729.78	0.21	0.05
108	9.22	19	SLE F	4	9	376.37	-1037.73	0.00	33.00	171.33	0.50	16.00	137.50	8.04	359.39	751.81	0.22	0.05
127	9.87	20	SLE Q	6	9	13.66	-325.62	0.00	33.00	128.50	0.50	16.00	122.57	10.05	355.45	191.18	0.06	0.01
128	9.87	19	SLE F	6	9	13.66	-325.13	0.00	33.00	128.50	0.50	16.00	122.57	10.05	355.45	190.89	0.06	0.01
147	13.13	20	SLE Q	6	9	361.16	-334.91	0.00	33.00	128.50	0.50	16.00	120.32	10.05	341.32	194.60	0.06	0.01
148	13.13	19	SLE F	6	9	361.16	-336.38	0.00	33.00	128.50	0.50	16.00	120.32	10.05	341.32	195.45	0.06	0.01
167	13.78	20	SLE Q	7	9	34.96	85.36	0.00	33.00	102.80	0.50	16.00	109.62	12.06	328.89	41.59	0.01	0.00
168	13.78	19	SLE F	7	9	34.96	89.08	0.00	33.00	102.80	0.50	16.00	109.62	12.06	328.89	43.41	0.01	0.00

Stato limite ultimo - Verifiche a taglio

CC	X0 <m>	X1 <m>	Lung. <m>	Staff.	AfE St. <cmq/m>	bw <m>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
9 SND	0.09	0.90	0.86	ø10/15 2 br.	10.47	0.60	10290.10	2.50	18347.60	30499.50	18347.60	1.783
9 SND	0.90	1.13	0.24	ø10/15 2 br.	10.47	0.60	10582.10	2.50	18347.60	30499.50	18347.60	1.734
1 SND	1.78	2.00	0.24	ø10/15 2 br.	10.47	0.60	4970.07	2.50	18347.60	30499.50	18347.60	3.692
9 SND	2.00	4.58	2.73	ø10/15 2 br.	10.47	0.60	5216.67	2.50	18347.60	30499.50	18347.60	3.517
9 SND	4.58	4.80	0.24	ø10/15 2 br.	10.47	0.60	5508.65	2.50	18347.60	30499.50	18347.60	3.331
1 SND	5.30	5.59	0.30	ø10/15 2 br.	10.47	0.60	19366.30	2.50	18347.60	36655.20	18347.60	1.047
17 SLU	5.66	5.89	0.24	ø10/15 2 br.	10.47	0.60	3985.40	2.50	18347.60	30499.50	18347.60	4.604
17 SLU	5.89	9.01	3.26	ø10/15 2 br.	10.47	0.60	3481.03	2.50	18347.60	30499.50	18347.60	5.271
1 SND	9.01	9.24	0.24	ø10/ 7 2 br.	22.44	0.60	36673.10	2.15	33818.10	33818.10	33818.10	1.022
1 SND	9.83	10.05	0.24	ø10/15 2 br.	10.47	0.60	3307.31	2.50	18347.60	30499.50	18347.60	5.548
1 SND	10.05	12.86	3.00	ø10/15 2 br.	10.47	0.60	3256.45	2.50	18347.60	30499.50	18347.60	5.634
9 SND	12.86	13.09	0.24	ø10/15 2 br.	10.47	0.60	3282.54	2.50	18347.60	30499.50	18347.60	5.589
1 SND	13.73	13.96	0.24	ø10/15 2 br.	10.47	0.60	6252.12	2.50	18347.60	30499.50	18347.60	2.935
9 SND	13.96	14.71	0.81	ø10/15 2 br.	10.47	0.60	6376.50	2.50	18347.60	30499.50	18347.60	2.877

Travata n. 208

Nodi: -740 228 227 35 28 29 -739

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf sup <cm>	Cf inf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
8R		50.00	24.00	4.10	4.10	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	MRdy <daNm>	Sic.
0.13	17	SLU	1	110.22	4.62	4.62	4.62	4.62	-165.47	-3473.14	20.989
9.55	17	SLU	4	20.00	9.24	4.62	9.24	4.62	-498.18	-6382.64	12.812
14.67	17	SLU	6	4.98	4.62	4.62	4.62	4.62	-6.73	-3473.14	>100

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	M'ydy <daNm>	Sic.
0.13	9	SND	1	110.22	4.62	4.62	4.62	4.62	-1045.67	-3191.52	3.052
9.55	1	SND	4	20.00	9.24	4.62	9.24	4.62	2884.74	3173.25	1.100
14.67	9	SND	6	4.98	4.62	4.62	4.62	4.62	472.33	3191.52	6.757

Stato limite d'esercizio - Verifiche tensionali

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	My <daNm>	σ _f sup <daN/cmq>	σ _f inf <daN/cmq>	σ _c <daN/cmq>
0.13	18	SLE R	1	110.22	4.62	4.62	-123.64	151.38	-18.76	4.19
0.13	20	SLE Q	1	110.22	4.62	4.62	-110.72	135.56	-16.80	3.76
9.55	18	SLE R	4	20.00	9.24	4.62	-380.00	240.13	-69.08	9.96
9.55	20	SLE Q	4	20.00	9.24	4.62	-376.35	237.83	-68.42	9.86
14.67	18	SLE R	6	4.98	4.62	4.62	-5.31	6.50	-0.81	0.18
14.67	20	SLE Q	6	4.98	4.62	4.62	-4.48	5.49	-0.68	0.15

Stato limite d'esercizio - Verifiche a fessurazione

Caso	Xg <m>	CC	TCC	El	Sez.	X <cm>	My <daNm>	c <mm>	s <mm>	K ₂	Φ _{eq}	Δ _{sm} <mm>	A _s <cmq>	A _{c eff} <cmq>	σ _s <daN/cmq>	ε _{sm}	Wk <mm>
19	0.13	20	SLE Q	1	8	110.22	-110.72	34.00	210.00	0.50	14.00	159.75	4.62	302.64	135.56	0.04	0.01

20	0.13	19	SLE F	1	8	110.22	-112.38	34.00	210.00	0.50	14.00	159.75	4.62	302.64	137.59	0.04	0.01
47	9.55	20	SLE Q	4	8	20.00	-376.35	34.00	84.00	0.50	14.00	109.36	9.24	272.83	237.83	0.07	0.01
48	9.55	19	SLE F	4	8	20.00	-377.06	34.00	84.00	0.50	14.00	109.36	9.24	272.83	238.28	0.07	0.01
70	14.67	20	SLE Q	6	8	4.98	-4.48	34.00	210.00	0.50	14.00	159.75	4.62	302.64	5.49	0.00	0.00
72	14.67	19	SLE F	6	8	4.98	-4.50	34.00	210.00	0.50	14.00	159.75	4.62	302.64	5.52	0.00	0.00

Stato limite ultimo - Verifiche a taglio

CC	X0 <m>	X1 <m>	Lung. <m>	Staff.	AfE St. <cmq/m>	bw <m>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
9 SND	0.09	0.32	0.24	ø8/10 2 br.	10.05	0.50	1791.53	2.50	17613.70	25416.20	17613.70	9.832
9 SND	0.32	5.36	5.35	ø8/10 2 br.	10.05	0.50	1791.53	2.50	17613.70	25416.20	17613.70	9.832
17 SLU	5.36	5.59	0.24	ø8/10 2 br.	10.05	0.50	949.31	2.50	17613.70	25416.20	17613.70	18.554
17 SLU	5.66	5.89	0.24	ø8/10 2 br.	10.05	0.50	685.49	2.50	17613.70	25416.20	17613.70	25.695
17 SLU	5.89	9.10	3.36	ø8/10 2 br.	10.05	0.50	656.03	2.50	17613.70	25416.20	17613.70	26.849
17 SLU	9.10	9.33	0.24	ø8/10 2 br.	10.05	0.50	745.51	2.50	17613.70	25416.20	17613.70	23.626
9 SND	9.41	9.63	0.24	ø8/10 2 br.	10.05	0.50	7547.35	2.50	17613.70	25416.20	17613.70	2.334
9 SND	9.63	13.27	3.88	ø8/10 2 br.	10.05	0.50	7547.35	2.50	17613.70	25416.20	17613.70	2.334
9 SND	13.27	13.49	0.24	ø8/10 2 br.	10.05	0.50	909.25	2.50	17613.70	25416.20	17613.70	19.372
1 SND	13.50	13.72	0.24	ø8/10 2 br.	10.05	0.50	583.94	2.50	17613.70	25416.20	17613.70	30.163
1 SND	13.72	14.48	0.82	ø8/10 2 br.	10.05	0.50	517.01	2.50	17613.70	25416.20	17613.70	34.069
9 SND	14.48	14.71	0.24	ø8/10 2 br.	10.05	0.50	301.74	2.50	17613.70	25416.20	17613.70	58.373

Travata n. 209

Nodi: -741 -698 -699 -700 -701 -740

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf sup <cm>	Cf inf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
5R		30.00	24.00	4.10	4.10	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	MRdy <daNm>	Sic.
0.06	17	SLU	1	109.00	3.39	3.39	3.39	3.39	123.84	2479.97	20.026
13.39	17	SLU	5	6.00	3.39	3.39	3.39	3.39	260.24	2479.97	9.530

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	M'ydy <daNm>	Sic.
0.06	1	SND	1	109.00	3.39	3.39	3.39	3.39	772.74	2316.55	2.998
13.39	9	SND	5	6.00	3.39	3.39	3.39	3.39	664.37	2316.55	3.487

Stato limite d'esercizio - Verifiche tensionali

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	My <daNm>	σ _f sup <daN/cmq>	σ _f inf <daN/cmq>	σ _c <daN/cmq>
0.06	18	SLE R	1	109.00	3.39	3.39	96.06	-25.45	161.79	4.94
0.06	20	SLE Q	1	109.00	3.39	3.39	102.18	-27.07	172.09	5.25
13.39	18	SLE R	5	6.00	3.39	3.39	198.14	-52.50	333.70	10.18
13.39	20	SLE Q	5	6.00	3.39	3.39	201.58	-53.41	339.49	10.36

Stato limite d'esercizio - Verifiche a fessurazione

Caso	Xg <m>	CC	TCC	El	Sez.	X <cm>	My <daNm>	c <mm>	s <mm>	K ₂	Φ _{eq}	Δ _{sm} <mm>	A _s <cmq>	A _{c eff} <cmq>	σ _s <daN/cmq>	ε _{sm}	Wk <mm>
19	0.06	20	SLE Q	1	5	109.00	102.18	35.00	111.00	0.50	12.00	132.79	3.39	177.52	172.09	0.05	0.01
20	0.06	19	SLE F	1	5	109.00	103.17	35.00	111.00	0.50	12.00	132.79	3.39	177.52	173.75	0.05	0.01
39	13.39	20	SLE Q	5	5	6.00	201.58	35.00	111.00	0.50	12.00	132.79	3.39	177.52	339.49	0.10	0.02
40	13.39	19	SLE F	5	5	6.00	201.42	35.00	111.00	0.50	12.00	132.79	3.39	177.52	339.22	0.10	0.02

Stato limite ultimo - Verifiche a taglio

CC	X0 <m>	X1 <m>	Lung. <m>	Staff.	AfE St. <cmq/m>	bw <m>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1 SND	0.06	0.30	0.24	ø8/15 2 br.	6.70	0.30	1406.21	2.50	11742.50	15249.70	11742.50	8.350
1 SND	0.30	13.15	12.85	ø8/15 2 br.	6.70	0.30	1406.21	2.50	11742.50	15249.70	11742.50	8.350
9 SND	13.15	13.39	0.24	ø8/15 2 br.	6.70	0.30	1152.88	2.50	11742.50	15249.70	11742.50	10.185

Travata n. 210

Nodi: 229 201 -1425 207 212 215 228

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf sup <cm>	Cf inf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
8R		50.00	24.00	4.10	4.10	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	MRdy <daNm>	Sic.
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Relazione di calcolo

1.15	17	SLU	1	-0.00	10.05	10.05	10.05	10.05	-691.15	-6885.50	9.962
1.40	17	SLU	2	150.00	10.05	10.05	10.05	10.05	-214.66	-6885.50	32.077
5.81	17	SLU	3	65.00	10.05	10.05	10.05	10.05	-698.59	-6885.50	9.856
6.46	17	SLU	4	294.00	10.05	10.05	10.05	10.05	-507.49	-6885.50	13.568
9.40	17	SLU	4	0.00	20.11	20.11	20.11	20.11	-44.91	-13087.50	>100
10.05	17	SLU	5	225.00	20.11	20.11	20.11	20.11	-890.00	-13087.50	14.705
12.05	17	SLU	5	25.00	10.05	10.05	10.05	10.05	645.09	6885.50	10.674
12.30	17	SLU	6	115.00	10.05	10.05	10.05	10.05	-467.10	-6885.50	14.741

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	M'ydy <daNm>	Sic.
1.15	13	SND	1	-0.00	10.05	10.05	10.05	10.05	-1176.00	-6629.99	5.638
1.40	5	SND	2	150.00	10.05	10.05	10.05	10.05	-2683.00	-6629.99	2.471
5.81	13	SND	3	65.00	10.05	10.05	10.05	10.05	-4024.10	-6629.99	1.648
6.46	5	SND	4	294.00	10.05	10.05	10.05	10.05	-6071.03	-6629.99	1.092
9.40	5	SND	4	0.00	20.11	20.11	20.11	20.11	6154.58	12785.20	2.077
10.05	5	SND	5	225.00	20.11	20.11	20.11	20.11	-6335.63	-12785.20	2.018
12.05	5	SND	5	25.00	10.05	10.05	10.05	10.05	4068.23	6629.99	1.630
12.30	5	SND	6	115.00	10.05	10.05	10.05	10.05	-1351.68	-6629.99	4.905

Stato limite d'esercizio - Verifiche tensionali

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	My <daNm>	σ_f sup <daN/cm ² >	σ_f inf <daN/cm ² >	σ_c <daN/cm ² >
1.15	18	SLE R	1	-0.00	10.05	10.05	-529.84	310.19	-82.75	12.31
1.15	20	SLE Q	1	-0.00	10.05	10.05	-530.57	310.62	-82.86	12.33
1.40	18	SLE R	2	150.00	10.05	10.05	-172.51	100.99	-26.94	4.01
1.40	20	SLE Q	2	150.00	10.05	10.05	-193.60	113.34	-30.23	4.50
5.81	18	SLE R	3	65.00	10.05	10.05	-527.81	309.00	-82.43	12.27
5.81	20	SLE Q	3	65.00	10.05	10.05	-511.25	299.31	-79.84	11.88
6.46	18	SLE R	4	294.00	10.05	10.05	-390.66	228.71	-61.01	9.08
6.46	20	SLE Q	4	294.00	10.05	10.05	-371.28	217.36	-57.98	8.63
9.40	18	SLE R	4	0.00	20.11	20.11	-33.59	10.14	-4.29	0.54
9.40	20	SLE Q	4	0.00	20.11	20.11	-51.98	15.69	-6.63	0.83
10.05	18	SLE R	5	225.00	20.11	20.11	-639.00	192.91	-81.55	10.18
10.05	20	SLE Q	5	225.00	20.11	20.11	-618.53	186.73	-78.93	9.86
12.05	18	SLE R	5	25.00	10.05	10.05	443.43	-69.25	259.60	10.31
12.05	20	SLE Q	5	25.00	10.05	10.05	424.92	-66.36	248.76	9.88
12.30	18	SLE R	6	115.00	10.05	10.05	-373.92	218.91	-58.40	8.69
12.30	20	SLE Q	6	115.00	10.05	10.05	-381.62	223.42	-59.60	8.87

Stato limite d'esercizio - Verifiche a fessurazione

Caso	Xg <m>	CC	TCC	El	Sez.	X <cm>	My <daNm>	c <mm>	s <mm>	K ₂	Φ_{eq}	Δ_{sm} <mm>	A _s <cmq>	A _{c eff} <cmq>	σ_s <daN/cm ² >	ϵ_{sm}	Wk <mm>
21	1.15	20	SLE Q	1	8	-0.00	-530.57	33.00	104.50	0.50	16.00	109.96	10.05	276.21	310.62	0.09	0.02
22	1.15	19	SLE F	1	8	-0.00	-533.85	33.00	104.50	0.50	16.00	109.96	10.05	276.21	312.54	0.09	0.02
41	1.40	20	SLE Q	2	8	150.00	-193.60	33.00	104.50	0.50	16.00	109.96	10.05	276.21	113.34	0.03	0.01
42	1.40	19	SLE F	2	8	150.00	-189.74	33.00	104.50	0.50	16.00	109.96	10.05	276.21	111.08	0.03	0.01
61	5.81	20	SLE Q	3	8	65.00	-511.25	33.00	104.50	0.50	16.00	109.96	10.05	276.21	299.31	0.09	0.02
62	5.81	19	SLE F	3	8	65.00	-514.68	33.00	104.50	0.50	16.00	109.96	10.05	276.21	301.32	0.09	0.02
81	6.46	20	SLE Q	4	8	294.00	-371.28	33.00	104.50	0.50	16.00	109.96	10.05	276.21	217.36	0.06	0.01
82	6.46	19	SLE F	4	8	294.00	-374.44	33.00	104.50	0.50	16.00	109.96	10.05	276.21	219.21	0.06	0.01
104	9.40	20	SLE Q	4	8	0.00	-51.98	33.00	46.44	0.50	16.00	86.17	20.11	253.43	15.69	0.00	0.00
106	9.40	19	SLE F	4	8	0.00	-48.99	33.00	46.44	0.50	16.00	86.17	20.11	253.43	14.79	0.00	0.00
125	10.05	20	SLE Q	5	8	225.00	-618.53	33.00	46.44	0.50	16.00	86.17	20.11	253.43	186.73	0.05	0.01
126	10.05	19	SLE F	5	8	225.00	-623.49	33.00	46.44	0.50	16.00	86.17	20.11	253.43	188.23	0.05	0.01
145	12.05	20	SLE Q	5	8	25.00	424.92	33.00	104.50	0.50	16.00	109.96	10.05	276.21	248.76	0.07	0.01
146	12.05	19	SLE F	5	8	25.00	429.27	33.00	104.50	0.50	16.00	109.96	10.05	276.21	251.31	0.07	0.01
166	12.30	20	SLE Q	6	8	115.00	-381.62	33.00	104.50	0.50	16.00	109.96	10.05	276.21	223.42	0.07	0.01
167	12.30	19	SLE F	6	8	115.00	-380.81	33.00	104.50	0.50	16.00	109.96	10.05	276.21	222.94	0.06	0.01

Stato limite ultimo - Verifiche a taglio

CC	X0 <m>	X1 <m>	Lung. <m>	Staff.	AfE St. <cmq/m>	bw <m>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
9 SND	0.06	0.91	0.85	ø8/10 2 br.	10.05	0.50	1482.75	2.50	17613.70	25416.20	17613.70	11.879
9 SND	0.91	1.15	0.24	ø8/10 2 br.	10.05	0.50	1550.41	2.50	17613.70	25416.20	17613.70	11.361
5 SND	1.40	1.64	0.24	ø8/10 2 br.	10.05	0.50	1878.94	2.50	17613.70	25416.20	17613.70	9.374
13 SND	1.64	5.72	4.08	ø8/10 2 br.	10.05	0.50	1966.03	2.50	17613.70	25416.20	17613.70	8.959
13 SND	5.72	5.96	0.24	ø8/10 2 br.	10.05	0.50	1991.40	2.50	17613.70	25416.20	17613.70	8.845
5 SND	6.46	6.70	0.24	ø8/10 2 br.	10.05	0.50	4382.47	2.50	17613.70	25416.20	17613.70	4.019
5 SND	6.70	9.16	2.46	ø8/10 2 br.	10.05	0.50	4314.81	2.50	17613.70	25416.20	17613.70	4.082
13 SND	9.16	9.40	0.24	ø8/10 2 br.	10.05	0.50	4165.26	2.50	17613.70	25416.20	17613.70	4.229
5 SND	9.90	10.14	0.24	ø8/10 2 br.	10.05	0.50	5291.98	2.50	17613.70	25416.20	17613.70	3.328
5 SND	10.14	11.81	1.67	ø8/10 2 br.	10.05	0.50	5266.60	2.50	17613.70	25416.20	17613.70	3.344
5 SND	11.81	12.05	0.24	ø8/10 2 br.	10.05	0.50	4795.82	2.50	17613.70	25416.20	17613.70	3.673
1 SND	12.30	12.54	0.24	ø8/10 2 br.	10.05	0.50	1926.87	2.50	17613.70	25416.20	17613.70	9.141
1 SND	12.54	13.39	0.85	ø8/10 2 br.	10.05	0.50	1859.21	2.50	17613.70	25416.20	17613.70	9.474

Travata n. 211

Nodi: 226 219 208 213 220 227

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf sup <cm>	Cf inf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	TP	Fyk <daN/cmq>	Fyd <daN/cmq>
4R		70.00	24.00	4.10	4.10	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	Afe S <cmq>	Afe I <cmq>	Afep S <cmq>	Afep I <cmq>	My <daNm>	MRdy <daNm>	Sic.
5.96	17	SLU	2	50.00	5.65	5.65	5.65	5.65	-1251.27	-4340.37	3.469
6.46	17	SLU	3	294.00	5.65	5.65	5.65	5.65	-812.67	-4340.37	5.341
8.27	17	SLU	3	113.31	5.65	5.65	5.65	5.65	176.91	4340.37	24.535
9.40	17	SLU	3	0.00	11.31	11.31	11.31	11.31	-141.10	-7918.82	56.122
9.90	17	SLU	4	240.00	11.31	11.31	11.31	11.31	-1390.32	-7918.82	5.696

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	Afe S <cmq>	Afe I <cmq>	Afep S <cmq>	Afep I <cmq>	My <daNm>	M'ydy <daNm>	Sic.
5.96	9	SND	2	50.00	5.65	5.65	5.65	5.65	-1082.62	-3937.44	3.637
6.46	5	SND	3	294.00	5.65	5.65	5.65	5.65	-749.73	-3937.44	5.252
8.27	1	SND	3	113.31	5.65	5.65	5.65	5.65	175.52	3937.44	22.433
9.40	9	SND	3	0.00	11.31	11.31	11.31	11.31	-217.51	-7556.47	34.741
9.90	13	SND	4	240.00	11.31	11.31	11.31	11.31	-1377.62	-7556.47	5.485

Stato limite d'esercizio - Verifiche tensionali

Xg <m>	CC	TCC	El	X <cm>	Afe S <cmq>	Afe I <cmq>	My <daNm>	σ_f sup <daN/cmq>	σ_f inf <daN/cmq>	σ_c <daN/cmq>
5.96	18	SLE R	2	50.00	5.65	5.65	-948.19	941.53	-97.22	24.45
5.96	20	SLE Q	2	50.00	5.65	5.65	-922.08	915.60	-94.55	23.78
6.46	18	SLE R	3	294.00	5.65	5.65	-616.99	612.66	-63.26	15.91
6.46	20	SLE Q	3	294.00	5.65	5.65	-617.99	613.64	-63.37	15.94
8.27	18	SLE R	3	113.31	5.65	5.65	138.44	-14.20	137.47	3.57
8.27	20	SLE Q	3	113.31	5.65	5.65	139.61	-14.31	138.63	3.60
9.40	18	SLE R	3	0.00	11.31	11.31	-109.75	56.49	-12.58	2.03
9.40	20	SLE Q	3	0.00	11.31	11.31	-107.53	55.35	-12.32	1.99
9.90	18	SLE R	4	240.00	11.31	11.31	-985.81	507.39	-112.99	18.26
9.90	20	SLE Q	4	240.00	11.31	11.31	-982.07	505.46	-112.56	18.20

Stato limite d'esercizio - Verifiche a fessurazione

Caso	Xg <m>	CC	TCC	El	Sez.	X <cm>	My <daNm>	c <mm>	s <mm>	K ₂	Φ_{eq}	Δ_{sm} <mm>	A _s <cmq>	A _{c eff} <cmq>	σ_s <daN/cmq>	ϵ_{sm}	Wk <mm>
19	5.96	20	SLE Q	2	4	50.00	-922.08	35.00	155.50	0.50	12.00	161.21	5.65	429.83	915.60	0.27	0.07
20	5.96	19	SLE F	2	4	50.00	-927.78	35.00	155.50	0.50	12.00	161.21	5.65	429.83	921.26	0.27	0.07
39	6.46	20	SLE Q	3	4	294.00	-617.99	35.00	155.50	0.50	12.00	161.21	5.65	429.83	613.64	0.18	0.05
40	6.46	19	SLE F	3	4	294.00	-617.75	35.00	155.50	0.50	12.00	161.21	5.65	429.83	613.41	0.18	0.05
59	8.27	20	SLE Q	3	4	113.31	139.61	35.00	155.50	0.50	12.00	161.21	5.65	429.83	138.63	0.04	0.01
60	8.27	19	SLE F	3	4	113.31	139.25	35.00	155.50	0.50	12.00	161.21	5.65	429.83	138.27	0.04	0.01
85	9.40	20	SLE Q	3	4	0.00	-107.53	35.00	69.11	0.50	12.00	112.14	11.31	397.19	55.35	0.02	0.00
86	9.40	19	SLE F	3	4	0.00	-108.17	35.00	69.11	0.50	12.00	112.14	11.31	397.19	55.67	0.02	0.00
105	9.90	20	SLE Q	4	4	240.00	-982.07	35.00	69.11	0.50	12.00	112.14	11.31	397.19	505.46	0.15	0.03
106	9.90	19	SLE F	4	4	240.00	-983.97	35.00	69.11	0.50	12.00	112.14	11.31	397.19	506.44	0.15	0.03

Stato limite ultimo - Verifiche a taglio

CC	X0 <m>	X1 <m>	Lung. <m>	Staff.	Afe St. <cmq/m>	bw <m>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
13 SND	0.06	5.72	5.66	ø8/ 8 2 br.	12.57	0.70	3129.38	2.50	22017.10	35582.70	22017.10	7.036
17 SLU	5.72	5.96	0.24	ø8/ 8 2 br.	12.57	0.70	1403.48	2.50	22017.10	35582.70	22017.10	15.688
17 SLU	6.46	6.70	0.24	ø8/ 8 2 br.	12.57	0.70	1031.05	2.50	22017.10	35582.70	22017.10	21.354
17 SLU	6.70	9.16	2.46	ø8/ 8 2 br.	12.57	0.70	900.00	2.50	22017.10	35582.70	22017.10	24.463
17 SLU	9.16	9.40	0.24	ø8/ 8 2 br.	12.57	0.70	574.20	2.50	22017.10	35582.70	22017.10	38.344
17 SLU	9.90	10.14	0.24	ø8/ 8 2 br.	12.57	0.70	1556.40	2.50	22017.10	35582.70	22017.10	14.146
1 SND	10.14	13.39	3.25	ø8/ 8 2 br.	12.57	0.70	2009.55	2.50	22017.10	35582.70	22017.10	10.956

Travata n. 212

Nodi: 224 203 -1426 -716 209 -717 214 217 28

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf sup <cm>	Cf inf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	TP	Fyk <daN/cmq>	Fyd <daN/cmq>
4R		70.00	24.00	4.10	4.10	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg	CC	TCC	El	X	Afe S	Afe I	Afep S	Afep I	My	MRdy	Sic.
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<m>				<cm>	<cmq>	<cmq>	<cmq>	<cmq>	<daNm>	<daNm>	
1.15	17	SLU	1	-0.00	12.06	10.05	12.06	10.05	-2744.17	-8390.23	3.057
1.40	17	SLU	2	374.80	12.06	10.05	12.06	10.05	-2750.62	-8390.23	3.050
5.83	17	SLU	4	62.50	12.06	10.05	12.06	10.05	-2416.62	-8390.23	3.472
5.96	17	SLU	4	50.00	12.06	10.05	12.06	10.05	-2416.62	-8390.23	3.472
6.46	17	SLU	5	205.00	12.06	10.05	12.06	10.05	-3542.98	-8390.23	2.368
9.40	17	SLU	6	0.00	24.13	20.11	24.13	20.11	-2226.78	-15835.50	7.111
9.90	17	SLU	7	240.00	24.13	20.11	24.13	20.11	-2569.51	-15835.50	6.163
11.85	17	SLU	7	45.27	12.06	10.05	12.06	10.05	1321.65	7132.39	5.397
12.05	17	SLU	7	25.00	12.06	10.05	12.06	10.05	1321.65	7132.39	5.397
12.30	17	SLU	8	115.00	12.06	10.05	12.06	10.05	-2165.49	-8390.23	3.875

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg	CC	TCC	El	X	AfE S	AfE I	AfEP S	AfEP I	My	M'ydy	Sic.
<m>				<cm>	<cmq>	<cmq>	<cmq>	<cmq>	<daNm>	<daNm>	
1.15	9	SND	1	-0.00	12.06	10.05	12.06	10.05	-2152.28	-8035.03	3.733
1.40	5	SND	2	374.80	12.06	10.05	12.06	10.05	-2700.78	-8035.03	2.975
5.83	5	SND	4	62.50	12.06	10.05	12.06	10.05	-5737.40	-8035.03	1.400
5.96	5	SND	4	50.00	12.06	10.05	12.06	10.05	-5737.40	-8035.03	1.400
6.46	13	SND	5	205.00	12.06	10.05	12.06	10.05	-7482.65	-8035.03	1.074
9.40	5	SND	6	0.00	24.13	20.11	24.13	20.11	-7437.00	-15421.50	2.074
9.90	13	SND	7	240.00	24.13	20.11	24.13	20.11	-6528.06	-15421.50	2.362
11.85	13	SND	7	45.27	12.06	10.05	12.06	10.05	4302.06	6758.11	1.571
12.05	13	SND	7	25.00	12.06	10.05	12.06	10.05	4302.06	6758.11	1.571
12.30	13	SND	8	115.00	12.06	10.05	12.06	10.05	-1608.00	-8035.03	4.997

Stato limite d'esercizio - Verifiche tensionali

Xg	CC	TCC	El	X	AfE S	AfE I	My	σ_f sup	σ_f inf	σ_c
<m>				<cm>	<cmq>	<cmq>	<daNm>	<daN/cmq>	<daN/cmq>	<daN/cmq>
1.15	18	SLE R	1	-0.00	12.06	10.05	-2065.72	998.66	-245.67	37.90
1.15	20	SLE Q	1	-0.00	12.06	10.05	-1800.72	870.55	-214.16	33.04
1.40	18	SLE R	2	374.80	12.06	10.05	-2042.60	987.49	-242.93	37.48
1.40	20	SLE Q	2	374.80	12.06	10.05	-1661.15	803.08	-197.56	30.48
5.83	18	SLE R	4	62.50	12.06	10.05	-1767.35	854.42	-210.19	32.43
5.83	20	SLE Q	4	62.50	12.06	10.05	-1480.70	715.84	-176.10	27.17
5.96	18	SLE R	4	50.00	12.06	10.05	-1767.35	854.42	-210.19	32.43
5.96	20	SLE Q	4	50.00	12.06	10.05	-1480.70	715.84	-176.10	27.17
6.46	18	SLE R	5	205.00	12.06	10.05	-2612.73	1263.11	-310.73	47.94
6.46	20	SLE Q	5	205.00	12.06	10.05	-2186.19	1056.90	-260.00	40.12
9.40	18	SLE R	6	0.00	24.13	20.11	-1613.48	403.22	-166.28	20.94
9.40	20	SLE Q	6	0.00	24.13	20.11	-1372.40	342.97	-141.44	17.81
9.90	18	SLE R	7	240.00	24.13	20.11	-1847.10	461.61	-190.36	23.97
9.90	20	SLE Q	7	240.00	24.13	20.11	-1667.17	416.64	-171.82	21.63
11.85	18	SLE R	7	45.27	12.06	10.05	924.17	-101.86	532.77	17.77
11.85	20	SLE Q	7	45.27	12.06	10.05	887.39	-97.81	511.57	17.06
12.05	18	SLE R	7	25.00	12.06	10.05	924.07	-101.85	532.71	17.77
12.05	20	SLE Q	7	25.00	12.06	10.05	887.39	-97.81	511.57	17.06
12.30	18	SLE R	8	115.00	12.06	10.05	-1629.88	787.96	-193.84	29.91
12.30	20	SLE Q	8	115.00	12.06	10.05	-1469.02	710.19	-174.71	26.96

Stato limite d'esercizio - Verifiche a fessurazione

Caso	Xg	CC	TCC	El	Sez.	X	My	c	s	K ₂	Φ_{eq}	Δ_{sm}	A _s	A _{c eff}	σ_s	ϵ_{sm}	Wk
	<m>					<cm>	<daNm>	<mm>	<mm>			<mm>	<cmq>	<cmq>	<daN/cmq>		<mm>
19	1.15	20	SLE Q	1	4	-0.00	-1800.72	33.00	123.60	0.50	16.00	117.93	12.06	391.55	870.55	0.25	0.05
20	1.15	19	SLE F	1	4	-0.00	-1834.41	33.00	123.60	0.50	16.00	117.93	12.06	391.55	886.84	0.26	0.05
39	1.40	20	SLE Q	2	4	374.80	-1661.15	33.00	123.60	0.50	16.00	117.93	12.06	391.55	803.08	0.23	0.05
40	1.40	19	SLE F	2	4	374.80	-1705.95	33.00	123.60	0.50	16.00	117.93	12.06	391.55	824.74	0.24	0.05
63	5.83	20	SLE Q	4	4	62.50	-1480.70	33.00	123.60	0.50	16.00	117.93	12.06	391.55	715.84	0.21	0.04
64	5.83	19	SLE F	4	4	62.50	-1516.96	33.00	123.60	0.50	16.00	117.93	12.06	391.55	733.37	0.21	0.04
87	5.96	20	SLE Q	4	4	50.00	-1480.70	33.00	123.60	0.50	16.00	117.93	12.06	391.55	715.84	0.21	0.04
88	5.96	19	SLE F	4	4	50.00	-1516.96	33.00	123.60	0.50	16.00	117.93	12.06	391.55	733.37	0.21	0.04
107	6.46	20	SLE Q	5	4	205.00	-2186.19	33.00	123.60	0.50	16.00	117.93	12.06	391.55	1056.90	0.31	0.06
108	6.46	19	SLE F	5	4	205.00	-2241.36	33.00	123.60	0.50	16.00	117.93	12.06	391.55	1083.57	0.32	0.06
127	9.40	20	SLE Q	6	4	0.00	-1372.40	33.00	56.18	0.50	16.00	89.65	24.13	356.69	342.97	0.10	0.02
128	9.40	19	SLE F	6	4	0.00	-1401.71	33.00	56.18	0.50	16.00	89.65	24.13	356.69	350.30	0.10	0.02
149	9.90	20	SLE Q	7	4	240.00	-1667.17	33.00	56.18	0.50	16.00	89.65	24.13	356.69	416.64	0.12	0.02
150	9.90	19	SLE F	7	4	240.00	-1691.06	33.00	56.18	0.50	16.00	89.65	24.13	356.69	422.61	0.12	0.02
172	11.85	20	SLE Q	7	4	45.27	887.39	33.00	154.50	0.50	16.00	130.48	10.05	405.16	511.57	0.15	0.03
173	11.85	19	SLE F	7	4	45.27	892.45	33.00	154.50	0.50	16.00	130.48	10.05	405.16	514.48	0.15	0.03
195	12.05	20	SLE Q	7	4	25.00	887.39	33.00	154.50	0.50	16.00	130.48	10.05	405.16	511.57	0.15	0.03
196	12.05	19	SLE F	7	4	25.00	892.45	33.00	154.50	0.50	16.00	130.48	10.05	405.16	514.48	0.15	0.03
215	12.30	20	SLE Q	8	4	115.00	-1469.02	33.00	123.60	0.50	16.00	117.93	12.06	391.55	710.19	0.21	0.04
216	12.30	19	SLE F	8	4	115.00	-1488.86	33.00	123.60	0.50	16.00	117.93	12.06	391.55	719.78	0.21	0.04

Stato limite ultimo - Verifiche a taglio

CC	X0	X1	Lung.	Staff.	AfE St.	bw	Vsdu	ctg θ	VRsd	VRcd	Vrdu	Sic.
<m>	<m>	<m>	<m>	<m>	<cmq/m>	<m>	<daN>		<daN>	<daN>	<daN>	

17 SLU	0.06	0.91	0.85	ø8/ 8 2 br.	12.57	0.70	3959.68	2.50	22017.10	35582.70	22017.10	5.560
17 SLU	0.91	1.15	0.24	ø8/ 8 2 br.	12.57	0.70	4437.04	2.50	22017.10	35582.70	22017.10	4.962
17 SLU	1.40	1.64	0.24	ø8/ 8 2 br.	12.57	0.70	4367.35	2.50	22017.10	35582.70	22017.10	5.041
17 SLU	1.64	5.72	4.08	ø8/ 8 2 br.	12.57	0.70	4205.13	2.50	22017.10	35582.70	22017.10	5.236
5 SND	5.72	5.96	0.24	ø8/ 8 2 br.	12.57	0.70	10511.30	2.50	22017.10	35582.70	22017.10	2.095
13 SND	6.46	6.70	0.24	ø8/ 8 2 br.	12.57	0.70	6178.71	2.50	22017.10	35582.70	22017.10	3.563
5 SND	6.70	9.16	2.46	ø8/ 8 2 br.	12.57	0.70	7758.87	2.50	22017.10	35582.70	22017.10	2.838
5 SND	9.16	9.40	0.24	ø8/ 8 2 br.	12.57	0.70	8046.91	2.50	22017.10	35582.70	22017.10	2.736
13 SND	9.90	10.14	0.24	ø8/ 8 2 br.	12.57	0.70	6145.33	2.50	22017.10	35582.70	22017.10	3.583
13 SND	10.14	11.81	1.67	ø8/ 8 2 br.	12.57	0.70	5857.30	2.50	22017.10	35582.70	22017.10	3.759
13 SND	11.81	12.05	0.24	ø8/ 8 2 br.	12.57	0.70	3853.06	2.50	22017.10	35582.70	22017.10	5.714
17 SLU	12.30	12.54	0.24	ø8/ 8 2 br.	12.57	0.70	4375.16	2.50	22017.10	35582.70	22017.10	5.032
17 SLU	12.54	13.39	0.85	ø8/ 8 2 br.	12.57	0.70	3897.80	2.50	22017.10	35582.70	22017.10	5.649

Travata n. 504

Nodi: -734 -735

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf sup <cm>	Cf inf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
6R		50.00	20.00	4.10	4.10	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	MRdy <daNm>	Sic.
0.25	17	SLU	1	25.00	8.04	8.04	8.04	8.04	-583.68	-4375.08	7.496
4.21	17	SLU	1	420.50	8.04	8.04	8.04	8.04	-1496.67	-4375.08	2.923

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	M'ydy <daNm>	Sic.
0.25	1	SND	1	25.00	8.04	8.04	8.04	8.04	-2942.68	-4182.54	1.421
4.21	1	SND	1	420.50	8.04	8.04	8.04	8.04	-3252.76	-4182.54	1.286

Stato limite d'esercizio - Verifiche tensionali

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	My <daNm>	σ _f sup <daN/cmq>	σ _f inf <daN/cmq>	σ _c <daN/cmq>
0.25	18	SLE R	1	25.00	8.04	8.04	-456.28	422.30	-87.20	17.62
0.25	20	SLE Q	1	25.00	8.04	8.04	-441.96	409.04	-84.46	17.06
4.21	18	SLE R	1	420.50	8.04	8.04	-1114.72	1031.68	-213.04	43.03
4.21	20	SLE Q	1	420.50	8.04	8.04	-986.51	913.03	-188.54	38.09

Stato limite d'esercizio - Verifiche a fessurazione

Caso	Xg <m>	CC	TCC	El	Sez.	X <cm>	My <daNm>	c <mm>	s <mm>	K ₂	Φ _{eq}	Δ _{sm} <mm>	A _s <cmq>	A _{c eff} <cmq>	σ _s <daN/cmq>	ε _{sm}	Wk <mm>
19	0.25	20	SLE Q	1	6	25.00	-441.96	33.00	139.33	0.50	16.00	112.02	8.04	231.34	409.04	0.12	0.02
20	0.25	19	SLE F	1	6	25.00	-433.21	33.00	139.33	0.50	16.00	112.02	8.04	231.34	400.94	0.12	0.02
41	4.21	20	SLE Q	1	6	420.50	-986.51	33.00	139.33	0.50	16.00	112.02	8.04	231.34	913.03	0.27	0.05
42	4.21	19	SLE F	1	6	420.50	-991.83	33.00	139.33	0.50	16.00	112.02	8.04	231.34	917.95	0.27	0.05

Stato limite ultimo - Verifiche a taglio

CC	X0 <m>	X1 <m>	Lung. <m>	Staff.	AfE St. <cmq/m>	bw <m>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1 SND	0.25	0.45	0.20	ø8/10 2 br.	10.05	0.50	2369.19	2.50	14073.20	20307.50	14073.20	5.940
9 SND	0.45	4.00	3.56	ø8/10 2 br.	10.05	0.50	2512.83	2.50	14073.20	20307.50	14073.20	5.601
9 SND	4.00	4.21	0.20	ø8/10 2 br.	10.05	0.50	2644.56	2.50	14073.20	20307.50	14073.20	5.322

Travata n. 506

Nodi: -736 -737

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf sup <cm>	Cf inf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
6R		50.00	20.00	4.10	4.10	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	MRdy <daNm>	Sic.
0.25	17	SLU	1	25.00	8.04	8.04	8.04	8.04	-568.27	-4375.08	7.699
4.21	17	SLU	1	420.50	8.04	8.04	8.04	8.04	-1520.19	-4375.08	2.878

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	AfE S <cmq>	AfE I <cmq>	AfEP S <cmq>	AfEP I <cmq>	My <daNm>	M'ydy <daNm>	Sic.
0.25	1	SND	1	25.00	8.04	8.04	8.04	8.04	-2914.69	-4182.54	1.435
4.21	9	SND	1	420.50	8.04	8.04	8.04	8.04	-3257.95	-4182.54	1.284

Stato limite d'esercizio - Verifiche tensionali

Xg <m>	CC	TCC	El	X <cm>	Afe S <cmq>	Afe I <cmq>	My <daNm>	σ _f sup <daN/cmq>	σ _f inf <daN/cmq>	σ _c <daN/cmq>
0.25	18	SLE R	1	25.00	8.04	8.04	-443.19	410.17	-84.70	17.11
0.25	20	SLE Q	1	25.00	8.04	8.04	-428.15	396.26	-81.83	16.53
4.21	18	SLE R	1	420.50	8.04	8.04	-1132.75	1048.38	-216.49	43.73
4.21	20	SLE Q	1	420.50	8.04	8.04	-1003.69	928.92	-191.82	38.75

Stato limite d'esercizio - Verifiche a fessurazione

Caso	Xg <m>	CC	TCC	El	Sez.	X <cm>	My <daNm>	c <mm>	s <mm>	K ₂	Φ _{eq}	Δ _{sm} <mm>	A _s <cmq>	A _{c eff} <cmq>	σ _s <daN/cmq>	ε _{sm}	Wk <mm>
19	0.25	20	SLE Q	1	6	25.00	-428.15	33.00	139.33	0.50	16.00	112.02	8.04	231.34	396.26	0.12	0.02
20	0.25	19	SLE F	1	6	25.00	-418.95	33.00	139.33	0.50	16.00	112.02	8.04	231.34	387.75	0.11	0.02
41	4.21	20	SLE Q	1	6	420.50	-1003.69	33.00	139.33	0.50	16.00	112.02	8.04	231.34	928.92	0.27	0.05
42	4.21	19	SLE F	1	6	420.50	-1009.48	33.00	139.33	0.50	16.00	112.02	8.04	231.34	934.28	0.27	0.05

Stato limite ultimo - Verifiche a taglio

CC	X0 <m>	X1 <m>	Lung. <m>	Staff.	Afe St. <cmq/m>	bw <m>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
1 SND	0.25	0.45	0.20	ø8/10 2 br.	10.05	0.50	2355.58	2.50	14073.20	20307.50	14073.20	5.974
9 SND	0.45	4.00	3.56	ø8/10 2 br.	10.05	0.50	2514.89	2.50	14073.20	20307.50	14073.20	5.596
9 SND	4.00	4.21	0.20	ø8/10 2 br.	10.05	0.50	2646.63	2.50	14073.20	20307.50	14073.20	5.317

Travata n. 510

Nodi: -734 -736

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf sup <cm>	Cf inf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
7R		25.00	20.00	4.10	4.10	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	Afe S <cmq>	Afe I <cmq>	AfeP S <cmq>	AfeP I <cmq>	My <daNm>	MRdy <daNm>	Sic.
0.00	17	SLU	1	0.00	6.03	6.03	6.03	6.03	-306.52	-3121.09	10.182
2.94	17	SLU	1	294.00	6.03	6.03	6.03	6.03	-156.75	-3121.09	19.911

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	X <cm>	Afe S <cmq>	Afe I <cmq>	AfeP S <cmq>	AfeP I <cmq>	My <daNm>	M'ydy <daNm>	Sic.
0.00	5	SND	1	0.00	6.03	6.03	6.03	6.03	-2200.93	-3038.18	1.380
2.94	13	SND	1	294.00	6.03	6.03	6.03	6.03	-2085.78	-3038.18	1.457

Stato limite d'esercizio - Verifiche tensionali

Xg <m>	CC	TCC	El	X <cm>	Afe S <cmq>	Afe I <cmq>	My <daNm>	σ _f sup <daN/cmq>	σ _f inf <daN/cmq>	σ _c <daN/cmq>
0.00	18	SLE R	1	0.00	6.03	6.03	-224.16	283.95	-84.37	14.16
0.00	20	SLE Q	1	0.00	6.03	6.03	-217.85	275.96	-82.00	13.76
2.94	18	SLE R	1	294.00	6.03	6.03	-109.02	138.09	-41.03	6.88
2.94	20	SLE Q	1	294.00	6.03	6.03	-114.97	145.63	-43.27	7.26

Stato limite d'esercizio - Verifiche a fessurazione

Caso	Xg <m>	CC	TCC	El	Sez.	X <cm>	My <daNm>	c <mm>	s <mm>	K ₂	Φ _{eq}	Δ _{sm} <mm>	A _s <cmq>	A _{c eff} <cmq>	σ _s <daN/cmq>	ε _{sm}	Wk <mm>
19	0.00	20	SLE Q	1	7	0.00	-217.85	33.00	84.00	0.50	16.00	95.17	6.03	109.97	275.96	0.08	0.01
20	0.00	19	SLE F	1	7	0.00	-218.89	33.00	84.00	0.50	16.00	95.17	6.03	109.97	277.27	0.08	0.01
40	2.94	20	SLE Q	1	7	294.00	-114.97	33.00	84.00	0.50	16.00	95.17	6.03	109.97	145.63	0.04	0.01
41	2.94	19	SLE F	1	7	294.00	-113.97	33.00	84.00	0.50	16.00	95.17	6.03	109.97	144.37	0.04	0.01

Stato limite ultimo - Verifiche a taglio

CC	X0 <m>	X1 <m>	Lung. <m>	Staff.	Afe St. <cmq/m>	bw <m>	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Vrdu <daN>	Sic.
5 SND	0.00	0.20	0.20	ø8/10 2 br.	10.05	0.25	1717.96	2.06	11578.90	11578.90	11578.90	6.740
5 SND	0.20	2.74	2.54	ø8/10 2 br.	10.05	0.25	1671.96	2.06	11578.90	11578.90	11578.90	6.925
13 SND	2.74	2.94	0.20	ø8/10 2 br.	10.05	0.25	1647.97	2.06	11578.90	11578.90	11578.90	7.026

Travata n. 511

Nodi: -735 -737

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf sup <cm>	Cf inf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
7R		25.00	20.00	4.10	4.10	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg	CC	TCC	El	X	Afe S	Afe I	AfEP S	AfEP I	My	MRdy	Sic.
<m>				<cm>	<cmq>	<cmq>	<cmq>	<cmq>	<daNm>	<daNm>	
0.00	17	SLU	1	0.00	4.02	4.02	4.02	4.02	-229.64	-2187.54	9.526
2.94	17	SLU	1	294.00	4.02	4.02	4.02	4.02	47.81	2187.54	45.756

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg	CC	TCC	El	X	Afe S	Afe I	AfEP S	AfEP I	My	M'ydy	Sic.
<m>				<cm>	<cmq>	<cmq>	<cmq>	<cmq>	<daNm>	<daNm>	
0.00	5	SND	1	0.00	4.02	4.02	4.02	4.02	-1790.22	-2091.27	1.168
2.94	5	SND	1	294.00	4.02	4.02	4.02	4.02	1781.13	2091.27	1.174

Stato limite d'esercizio - Verifiche tensionali

Xg	CC	TCC	El	X	Afe S	Afe I	My	σ _f sup	σ _f inf	σ _c
<m>				<cm>	<cmq>	<cmq>	<daNm>	<daN/cmq>	<daN/cmq>	<daN/cmq>
0.00	18	SLE R	1	0.00	4.02	4.02	-173.81	321.72	-66.43	13.42
0.00	20	SLE Q	1	0.00	4.02	4.02	-167.34	309.75	-63.96	12.92
2.94	18	SLE R	1	294.00	4.02	4.02	32.75	-12.52	60.62	2.53
2.94	20	SLE Q	1	294.00	4.02	4.02	26.78	-10.24	49.57	2.07

Stato limite d'esercizio - Verifiche a fessurazione

Caso	Xg	CC	TCC	El	Sez.	X	My	c	s	K ₂	Φ _{eq}	Δ _{sm}	A _s	A _{c eff}	σ _s	ε _{sm}	Wk
	<m>					<cm>	<daNm>	<mm>	<mm>			<mm>	<cmq>	<cmq>	<daN/cmq>		<mm>
19	0.00	20	SLE Q	1	7	0.00	-167.34	33.00	168.00	0.50	16.00	112.02	4.02	115.67	309.75	0.09	0.02
20	0.00	19	SLE F	1	7	0.00	-168.44	33.00	168.00	0.50	16.00	112.02	4.02	115.67	311.78	0.09	0.02
39	2.94	20	SLE Q	1	7	294.00	26.78	33.00	168.00	0.50	16.00	112.02	4.02	115.67	49.57	0.01	0.00
40	2.94	19	SLE F	1	7	294.00	27.85	33.00	168.00	0.50	16.00	112.02	4.02	115.67	51.55	0.02	0.00

Stato limite ultimo - Verifiche a taglio

CC	X0	X1	Lung.	Staff.	Afe St.	bw	Vsdu	ctgθ	VRsd	VRcd	Vrdu	Sic.
	<m>	<m>	<m>		<cmq/m>	<m>	<daN>		<daN>	<daN>	<daN>	
5 SND	0.00	0.20	0.20	ø8/10 2 br.	10.05	0.25	1343.42	2.06	11578.90	11578.90	11578.90	8.619
5 SND	0.20	2.74	2.54	ø8/10 2 br.	10.05	0.25	1318.42	2.06	11578.90	11578.90	11578.90	8.782
13 SND	2.74	2.94	0.20	ø8/10 2 br.	10.05	0.25	1226.93	2.06	11578.90	11578.90	11578.90	9.437

Verifiche e armature pilastri

Simbologia

Δ _{sm}	=	Distanza media tra le fessure
Φ _{eq}	=	Diametro equivalente delle barre
α	=	Angolo asse neutro a rottura
ε _y	=	Deformazione nell'acciaio (*1000)
ε _{sm}	=	Deformazione unitaria media dell'armatura (*1000)
λ	=	Snellezza massima
λ*	=	Snellezza limite
μΦ	=	Valore di progetto della duttilità di curvatura
σ _c	=	Tensione nel calcestruzzo
σ _f	=	Tensione nel ferro
σ _s	=	Tensione nell'acciaio nella sezione fessurata
A _{c eff}	=	Area di calcestruzzo efficace
A _s	=	Area complessiva dei ferri nell'area di calcestruzzo efficace
AfC	=	Area di ferro compressa
AfT	=	Area di ferro tesa
As1	=	Area di ferro superiore delle travi incidenti sulla faccia
As2	=	Area di ferro inferiore delle travi incidenti sulla faccia
Ash	=	Area totale della sezione della staffa
B	=	Base
Bj	=	Larghezza effettiva utile del nodo
Br _y	=	Numero bracci in dir. Y locale
Br _z	=	Numero bracci in dir. Z locale
Br.	=	Numero bracci
CC	=	Combinazione delle condizioni di carico elementari
	e	= eccentricità aggiuntiva in caso di compressione o pressoflessione
	α	= amplificazione per gerarchia delle resistenze
	TG	= taglio da gerarchia delle resistenze
Cf	=	Copriferro
Cls	=	Tipo di calcestruzzo
Conf.	=	Nodo confinato
	S	= Si
	N	= No
El	=	Elemento (asta) in cui viene effettuato il progetto/verifica (progressivo sul numero di aste)
F	=	Identificativo faccia del nodo
	Y+	= Faccia sul lato positivo Y locale pilastro
	Z+	= Faccia sul lato positivo Z locale pilastro
	Y-	= Faccia sul lato negativo Y locale pilastro
	Z-	= Faccia sul lato negativo Z locale pilastro
Fcd	=	Resistenza di calcolo a compressione del calcestruzzo
Fck	=	Resistenza caratteristica cilindrica a compressione del calcestruzzo
Fctd	=	Resistenza di calcolo a trazione del calcestruzzo
Fctk	=	Resistenza caratteristica a trazione del calcestruzzo
Fyd	=	Resistenza di calcolo dell'acciaio
Fyk	=	Tensione caratteristica di snervamento dell'acciaio
H	=	Altezza
Hjc	=	Distanza tra armature pilastro
Hjw	=	Distanza tra armature trave
K ₂	=	Coefficiente per distribuzione deformazioni
M	=	Momento flettente

Relazione di calcolo

M'ydy =Momento resistente massimo in campo sostanzialmente elastico intorno all'asse Y
M'ydy,s =Momento resistente massimo in campo sostanzialmente elastico (ridotto per stabilità) intorno all'asse Y
M'ydz =Momento resistente massimo in campo sostanzialmente elastico intorno all'asse Z
M'ydz,s =Momento resistente massimo in campo sostanzialmente elastico (ridotto per stabilità) intorno all'asse Z
MRd =Momento resistente allo stato limite ultimo
MRdy =Momento resistente allo stato limite ultimo intorno all'asse Y
MRdy,s =Momento resistente allo stato limite ultimo (ridotto per stabilità) intorno all'asse Y
MRdz =Momento resistente allo stato limite ultimo intorno all'asse Z
MRdz,s =Momento resistente allo stato limite ultimo (ridotto per stabilità) intorno all'asse Z
Mod. =Modalità di verifica faccia
I = Interna
E = Esterna
My =Momento flettente intorno all'asse Y
My ver. =Momento flettente di verifica intorno all'asse Y
Mz =Momento flettente intorno all'asse Z
Mz ver. =Momento flettente di verifica intorno all'asse Z
N =Sforzo normale
Nodo =Numero del nodo
Nu =Sforzo normale ultimo
Sez. =Numero della sezione
Sic. =Sicurezza
Staff. =Staffatura adottata
TCC =Tipo di combinazione di carico
SLU = Stato limite ultimo
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
SND = Stato limite di salvaguardia della vita (non dissipativo)
Tipo =Tipologia
R = Rettangolare
Tp =Tipo di acciaio
VRcd,y =Taglio ultimo lato calcestruzzo in dir. Y
VRcd,z =Taglio ultimo lato calcestruzzo in dir. Z
VRsd,y =Taglio ultimo lato armatura in dir. Y
VRsd,z =Taglio ultimo lato armatura in dir. Z
Vrd,y =Taglio resistente in dir. Y
Vrd,z =Taglio resistente in dir. Z
Vsdu,y =Taglio agente in dir. Y
Vsdu,z =Taglio agente in dir. Z
Wk =Ampiezza caratteristica delle fessure
X =Coordinata progressiva rispetto al nodo iniziale
X0 =Coordinata progressiva (dal nodo iniziale) dell'inizio del tratto
X1 =Coordinata progressiva (dal nodo iniziale) della fine del tratto
Xg =Coordinata progressiva (dal primo nodo) in cui viene effettuato il progetto/verifica
bw,y =Larghezza membratura resistente al taglio in dir. Y
bw,z =Larghezza membratura resistente al taglio in dir. Z
c =Ricoprimento dell'armatura
ctgθ,y =Cotangente dell'angolo di inclinazione dei puntoni di calcestruzzo in dir. Y
ctgθ,z =Cotangente dell'angolo di inclinazione dei puntoni di calcestruzzo in dir. Z
d,y =Altezza utile per resistenza al taglio in dir. Y
d,z =Altezza utile per resistenza al taglio in dir. Z
l0 =Lunghezza libera di inflessione
s =Distanza massima tra le barre

Pilastrata n. 1

Nodi: 1 201

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B	H	Cf	Cls	Fck	Fctk	Fcd	Fctd	Tp	Fyk	Fyd
		<cm>	<cm>	<cm>		<daN/cm²>	<daN/cm²>	<daN/cm²>	<daN/cm²>		<daN/cm²>	<daN/cm²>
2R		25.00	65.00	4.20	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg	CC	TCC	El	Sez.	X	N	My	My ver.	Mz	Mz ver.	Nu	MRdy	MRdz	α	εy	Sic.
<m>					<cm>	<daN>	<daNm>	<daNm>	<daNm>	<daNm>	<daN>	<daNm>	<daNm>	<grad>		
0.00	17	SLU	1	2	0.00	-13075.10	-931.45	-931.45	878.64	878.64	-13075.10	-17426.90	15888.70	97.03	4.13	18.413
0.00	17	SLU	1	2	0.00	-13075.10	-931.45	-931.45	878.64	878.64	-13075.10	-17426.90	15888.70	97.03	4.13	18.413
4.25	17	SLU	1	2	425.38	-10828.50	-2793.24	-2793.24	-478.92	-478.92	-10828.50	-47653.00	-7672.03	241.88	4.22	17.031

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg	CC	TCC	El	Sez.	X	N	My	My ver.	Mz	Mz ver.	Nu	M'ydy	M'ydz	α	εy	Sic.
<m>					<cm>	<daN>	<daNm>	<daNm>	<daNm>	<daNm>	<daN>	<daNm>	<daNm>	<grad>		
0.00	9	SND	1	2	0.00	-14159.60	32990.30	32990.30	4820.38	4820.38	-14159.60	33793.00	5465.82	61.88	4.14	1.027
0.00	9	SND	1	2	0.00	-14159.60	32990.30	32990.30	4820.38	4820.38	-14159.60	33793.00	5465.82	61.88	4.14	1.027
4.25	9	SND	1	2	425.38	-872.23	-24262.40	-24262.40	-4224.59	-4224.59	-872.23	-31781.00	-5143.90	241.88	4.51	1.307

Stato limite d'esercizio - Verifiche tensionali

Xg	CC	TCC	El	Sez.	X	N	Mz	My	AfT	AfC	σc	σt
<m>					<cm>	<daN>	<daNm>	<daNm>	<cmq>	<cmq>	<daN/cm²>	<daN/cm²>
0.00	18	SLE R	1	2	0.00	-9744.23	658.45	-692.15	15.21	38.01	13.80	160.33
0.00	20	SLE Q	1	2	0.00	-8332.75	572.07	-646.57	15.21	38.01	12.14	140.88
0.00	18	SLE R	1	2	0.00	-9744.23	658.45	-692.15	15.21	38.01	13.80	160.33
0.00	20	SLE Q	1	2	0.00	-8332.75	572.07	-646.57	15.21	38.01	12.14	140.88
4.25	18	SLE R	1	2	425.38	-8016.12	-354.10	-2042.57	22.81	30.41	14.74	180.51
4.25	20	SLE Q	1	2	425.38	-6604.65	-318.18	-1606.74	22.81	30.41	12.19	148.30

Stato limite d'esercizio - Verifiche a fessurazione

Xg	CC	TCC	El	Sez.	X	N	My	Mz	c	s	K2	Φeq	Δsm	As	Ac eff	σs	εsm	Wk
<m>					<cm>	<daN>	<daNm>	<daNm>	<mm>	<mm>			<mm>	<cmq>	<cmq>	<daN/cm²>		<mm>
4.25	20	SLE Q	1	2	425.38	-6604.65	-1606.74	-318.18	34.00	73.54	0.50	22.00	101.08	3.80	57.15	83.19	0.02	0.00
4.25	19	SLE F	1	2	425.38	-6796.34	-1661.57	-324.12	34.00	73.54	0.50	22.00	101.14	3.80	57.27	85.61	0.02	0.00

Stato limite ultimo - Verifiche a taglio

X0	X1	Staff.	Br _y	Br _z	CC	TCC	bw _y	d _y	Vsdu _y	ctgθ _y	VRsd _y	VRcd _y	Vrd _y	bw _z	d _z	Vsdu _z	ctgθ _z	VRsd _z	VRcd _z	Vrd _z	Sic.
<m>	<m>						<m>	<m>	<daN>		<daN>	<daN>	<daN>	<m>	<m>	<daN>		<daN>	<daN>	<daN>	
0.00	0.71	ø6/22	2	217	SLU	0.65	0.21	319.14	2.50	4661.91	35875.20	4661.91	0.25	0.61	437.68	2.50	13714.20	40590.70	13714.20	14.608	
0.00	0.71	ø6/22	2	29	SND	0.65	0.21	2126.03	2.50	4661.91	36013.80	4661.91	0.25	0.61	13458.20	2.50	13714.20	40747.50	13714.20	1.019	
0.00	0.71	ø6/22	2	213	SND	0.65	0.21	4005.37	2.50	4661.91	35712.30	4661.91	0.25	0.61	5186.14	2.50	13714.20	40406.30	13714.20	1.164	
0.71	3.54	ø6/22	2	217	SLU	0.65	0.21	319.14	2.50	4661.91	35827.30	4661.91	0.25	0.61	437.68	2.50	13714.20	40536.50	13714.20	14.608	
0.71	3.54	ø6/22	2	29	SND	0.65	0.21	2126.03	2.50	4661.91	35977.00	4661.91	0.25	0.61	13458.20	2.50	13714.20	40705.90	13714.20	1.019	
0.71	3.54	ø6/22	2	213	SND	0.65	0.21	4005.37	2.50	4661.91	35675.40	4661.91	0.25	0.61	5186.14	2.50	13714.20	40364.70	13714.20	1.164	
3.54	4.25	ø6/22	2	217	SLU	0.65	0.21	319.14	2.50	4661.91	35635.80	4661.91	0.25	0.61	437.68	2.50	13714.20	40319.80	13714.20	14.608	
3.54	4.25	ø6/22	2	29	SND	0.65	0.21	2126.03	2.50	4661.91	35829.70	4661.91	0.25	0.61	13458.20	2.50	13714.20	40539.20	13714.20	1.019	
3.54	4.25	ø6/22	2	213	SND	0.65	0.21	4005.37	2.50	4661.91	35528.10	4661.91	0.25	0.61	5186.14	2.50	13714.20	40198.00	13714.20	1.164	

Pilastrata n. 2

Nodi: 2 202

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B	H	Cf	Cls	Fck	Fctk	Fcd	Fctd	Tp	Fyk	Fyd
		<cm>	<cm>	<cm>		<daN/cmq>	<daN/cmq>	<daN/cmq>	<daN/cmq>		<daN/cmq>	<daN/cmq>
1	R	25.00	50.00	4.10	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Dati per verifiche di stabilità

Xg	El	l ₀	λ	λ*
<m>		<m>		
---	1	5.90	81.73	77.48
---	1	5.90	81.73	77.48
---	1	5.90	81.73	77.48

Stato limite ultimo - Verifiche a flessione/pressoflessione - Controlli di stabilità

Xg	CC	TCC	El	Sez.	X	N	My	My ver.	Mz	Mz ver.	Nu	MRdy,s	MRdz,s	M'ydy,s	MRdy,s	M'ydz,s	MRdz,s	α	ε _y	Sic.
<m>					<cm>	<daN>	<daNm>	<daNm>	<daNm>	<daNm>	<daN>	<daNm>	<daNm>	<daNm>	<daNm>	<daNm>	<daNm>	<grad>		
0.00	17(e)	SLU	1	1	0.00	-22516.10	-383.64	-664.06	498.43	664.06	-22516.10	-9042.49	8879.25	-9042.49	-9042.49	8879.25	8879.25	103.36	3.77	13.495
0.00	17(e)	SLU	1	1	0.00	-22516.10	-383.64	-664.06	498.43	664.06	-22516.10	-9042.49	8879.25	-9042.49	-9042.49	8879.25	8879.25	103.36	3.77	13.495
5.67	17(e)	SLU	1	1	567.23	-20211.70	538.69	-596.09	-247.34	596.09	-20211.70	-9157.25	8918.95	-9157.25	-9157.25	8918.95	8918.95	103.36	3.85	15.164

Stato limite elastico - Verifiche a flessione/pressoflessione - Controlli di stabilità

Xg	CC	TCC	El	Sez.	X	N	My	My ver.	Mz	Mz ver.	Nu	M'ydy,s	M'ydz,s	M'ydy,s	MRdy,s	M'ydz,s	MRdz,s	α	ε _y	Sic.
<m>					<cm>	<daN>	<daNm>	<daNm>	<daNm>	<daNm>	<daN>	<daNm>	<daNm>	<daNm>	<daNm>	<daNm>	<daNm>	<grad>		
0.00	1	SND	1	1	0.00	-6229.80	-16942.60	-16942.60	1442.68	1442.68	-6229.80	-17097.10	1361.21	-17097.10	-17097.10	1361.21	1361.21	157.50	6.12	1.009
0.00	1	SND	1	1	0.00	-6229.80	-16942.60	-16942.60	1442.68	1442.68	-6229.80	-17097.10	1361.21	-17097.10	-17097.10	1361.21	1361.21	157.50	6.12	1.009
5.67	1	SND	1	1	567.23	-4457.21	15721.00	15721.00	1297.87	1297.87	-4457.21	16857.20	1371.63	16857.20	16857.20	1371.63	1371.63	22.50	6.24	1.072

Stato limite d'esercizio - Verifiche tensionali

Xg	CC	TCC	El	Sez.	X	N	Mz	My	AfT	AfC	σ _c	σ _ε	
<m>					<cm>	<daN>	<daNm>	<daNm>	<cmq>	<cmq>	<daN/cmq>	<daN/cmq>	
0.00	18	SLE	R	1	1	0.00	-16632.90	370.77	-281.07	0.00	31.42	16.63	217.40
0.00	20	SLE	Q	1	1	0.00	-14269.00	323.29	-209.60	0.00	31.42	14.13	184.71
0.00	18	SLE	R	1	1	0.00	-16632.90	370.77	-281.07	0.00	31.42	16.63	217.40
0.00	20	SLE	Q	1	1	0.00	-14269.00	323.29	-209.60	0.00	31.42	14.13	184.71
5.67	18	SLE	R	1	1	567.23	-14860.30	-182.44	393.12	0.00	31.42	13.70	185.38
5.67	20	SLE	Q	1	1	567.23	-12496.40	-164.20	277.31	0.00	31.42	11.33	153.12

Stato limite ultimo - Verifiche a taglio

X0	X1	Staff.	Br _y	Br _z	CC	TCC	bw _y	d _y	Vsdu _y	ctgθ _y	VRsd _y	VRcd _y	Vrd _y	bw _z	d _z	Vsdu _z	ctgθ _z	VRsd _z	VRcd _z	Vrd _z	Sic.
<m>	<m>						<m>	<m>	<daN>		<daN>	<daN>	<daN>	<m>	<m>	<daN>		<daN>	<daN>	<daN>	
0.00	0.95	ø6/24	2	217	SLU	0.50	0.21	131.47	2.50	4273.42	29189.20	4273.42	0.25	0.46	162.60	2.50	9459.61	32306.50	9459.61	32.504	
0.00	0.95	ø6/24	2	21	SND	0.50	0.21	475.69	2.50	4273.42	29039.20	4273.42	0.25	0.46	5758.42	2.50	9459.61	32140.50	9459.61	1.643	
0.00	0.95	ø6/24	2	213	SND	0.50	0.21	1262.15	2.50	4273.42	29140.10	4273.42	0.25	0.46	2133.76	2.50	9459.61	32252.10	9459.61	3.386	
0.95	4.73	ø6/24	2	217	SLU	0.50	0.21	131.47	2.50	4273.42	29140.10	4273.42	0.25	0.46	162.60	2.50	9459.61	32252.20	9459.61	32.504	
0.95	4.73	ø6/24	2	21	SND	0.50	0.21	475.69	2.50	4273.42	29001.40	4273.42	0.25	0.46	5758.42	2.50	9459.61	32098.70	9459.61	1.643	
0.95	4.73	ø6/24	2	213	SND	0.50	0.21	1262.15	2.50	4273.42	29102.30	4273.42	0.25	0.46	2133.76	2.50	9459.61	32210.30	9459.61	3.386	
4.73	5.67	ø6/24	2	217	SLU	0.50	0.21	131.47	2.50	4273.42	28943.70	4273.42	0.25	0.46	162.60	2.50	9459.61	32034.80	9459.61	32.504	
4.73	5.67	ø6/24	2	21	SND	0.50	0.21	475.69	2.50	4273.42	28850.30	4273.42	0.25	0.46	5758.42	2.50	9459.61	31931.40	9459.61	1.643	
4.73	5.67	ø6/24	2	213	SND	0.50	0.21	1262.15	2.50	4273.42	28951.20	4273.42	0.25	0.46	2133.76	2.50	9459.61	32043.10	9459.61	3.386	

Pilastrata n. 3

Nodi: 3 203

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B	H	Cf	Cls	Fck	Fctk	Fcd	Fctd	Tp	Fyk	Fyd
		<cm>	<cm>	<cm>		<daN/cmq>	<daN/cmq>	<daN/cmq>	<daN/cmq>		<daN/cmq>	<daN/cmq>
2	R	25.00	65.00	4.10	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg	CC	TCC	El	Sez.	X	N	My	My ver.	Mz	Mz ver.	Nu	MRdy	MRdz	α	ε _y	Sic.
<m>					<cm>	<daN>	<daNm>	<daNm>	<daNm>	<daNm>	<daN>	<daNm>	<daNm>	<grad>		
0.00	17	SLU	1	2	0.00	-17934.50	1334.26	1334.26	516.00	516.00	-17934.50	27436.00	10707.10	75.94	4.09	20.587
0.00	17	SLU	1	2	0.00	-17934.50	1334.26	1334.26	516.00	516.00	-17934.50	27436.00	10707.10	75.94	4.09	20.587
4.81	17(e)	SLU	1	2	481.00	-15394.20	-74.66	-388.70	41.24	388.70	-430756.00	-13336.90	13649.80	95.98	4.62	27.982

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg	CC	TCC	El	Sez.	X	N	My	My ver.	Mz	Mz ver.	Nu	M'ydy	M'ydz	α	ε _y	Sic.
<m>					<cm>	<daN>	<daNm>	<daNm>	<daNm>	<daNm>	<daN>	<daNm>	<daNm>	<grad>		

Relazione di calcolo

0.00	9	SND	1	2	0.00	-14880.40	35130.30	35130.30	2006.02	2006.02	-14880.40	35794.30	2296.46	33.75	6.89	1.019
0.00	9	SND	1	2	0.00	-14880.40	35130.30	35130.30	2006.02	2006.02	-14880.40	35794.30	2296.46	33.75	6.89	1.019
4.81	9	SND	1	2	481.00	-6665.06	-24680.70	-24680.70	1702.90	1702.90	-6665.06	-34224.00	2303.22	146.25	7.43	1.387

Stato limite d'esercizio - Verifiche tensionali

Xg	CC	TCC	El	Sez.	X	N	Mz	My	AfT	AfC	σ_c	σ_f
<m>					<cm>	<daN>	<daNm>	<daNm>	<cmq>	<cmq>	<daN/cmq>	<daN/cmq>
0.00	18	SLE R	1	2	0.00	-13460.80	379.13	948.25	0.00	41.72	13.29	171.06
0.00	20	SLE Q	1	2	0.00	-11324.70	352.62	886.28	3.14	38.58	11.88	151.74
0.00	18	SLE R	1	2	0.00	-13460.80	379.13	948.25	0.00	41.72	13.29	171.06
0.00	20	SLE Q	1	2	0.00	-11324.70	352.62	886.28	3.14	38.58	11.88	151.74
4.81	18	SLE R	1	2	481.00	-11506.70	28.44	-55.96	0.00	41.72	5.61	82.11
4.81	20	SLE Q	1	2	481.00	-9370.61	-14.66	-149.32	0.00	41.72	4.82	70.48

Stato limite ultimo - Verifiche a taglio

<X0	X1	Staff.	Br _y	Br _z	CC	TCC	bw _y	d _y	Vsdu _y	ctgθ _y	VRsd _y	VRcd _y	Vrd _y	bw _z	d _z	Vsdu _z	ctgθ _z	VRsd _z	VRcd _z	Vrd _z	Sic.
<m>	<m>						<cm>	<cm>	<daN>		<daN>	<daN>	<daN>	<cm>	<cm>	<daN>		<daN>	<daN>	<daN>	
0.00	0.80	ø6/18	2	217	SLU	0.65	0.21	98.70	2.50	5697.89	36496.50	5697.89	0.25	0.61	292.91	2.50	16761.80	41293.70	16761.80	57.224	
0.00	0.80	ø6/18	2	29	SND	0.65	0.21	767.13	2.50	5697.89	36106.00	5697.89	0.25	0.61	12434.60	2.50	16761.80	40851.80	16761.80	1.348	
0.00	0.80	ø6/18	2	25	SND	0.65	0.21	2081.16	2.50	5697.89	36643.50	5697.89	0.25	0.61	4805.62	2.50	16761.80	41460.00	16761.80	2.738	
0.80	4.01	ø6/18	2	217	SLU	0.65	0.21	98.70	2.50	5697.89	36442.40	5697.89	0.25	0.61	292.91	2.50	16761.80	41232.40	16761.80	57.224	
0.80	4.01	ø6/18	2	29	SND	0.65	0.21	767.13	2.50	5697.89	36064.40	5697.89	0.25	0.61	12434.60	2.50	16761.80	40804.70	16761.80	1.348	
0.80	4.01	ø6/18	2	25	SND	0.65	0.21	2081.16	2.50	5697.89	36601.90	5697.89	0.25	0.61	4805.62	2.50	16761.80	41412.90	16761.80	2.738	
4.01	4.81	ø6/18	2	217	SLU	0.65	0.21	98.70	2.50	5697.89	36225.80	5697.89	0.25	0.61	292.91	2.50	16761.80	40987.40	16761.80	57.224	
4.01	4.81	ø6/18	2	29	SND	0.65	0.21	767.13	2.50	5697.89	35897.80	5697.89	0.25	0.61	12434.60	2.50	16761.80	40616.30	16761.80	1.348	
4.01	4.81	ø6/18	2	25	SND	0.65	0.21	2081.16	2.50	5697.89	36435.30	5697.89	0.25	0.61	4805.62	2.50	16761.80	41224.40	16761.80	2.738	

Pilastrata n. 4

Nodi: 4 104

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B	H	Cf	Cls	Fck	Fctk	Fcd	Fctd	Tp	Fyk	Fyd
		<cm>	<cm>	<cm>		<daN/cmq>	<daN/cmq>	<daN/cmq>	<daN/cmq>		<daN/cmq>	<daN/cmq>
2R		25.00	65.00	4.20	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg	CC	TCC	El	Sez.	X	N	My	Mz	Nu	MRdy	MRdz	α	ε _y	Sic.
<m>					<cm>	<daN>	<daNm>	<daNm>	<daN>	<daNm>	<daNm>	<grad>		
0.00	17	SLU	1	2	0.00	-9668.66	783.89	-803.77	-9668.66	15899.00	-16584.60	278.44	4.19	20.463
0.00	17	SLU	1	2	0.00	-9668.66	783.89	-803.77	-9668.66	15899.00	-16584.60	278.44	4.19	20.463
4.03	17	SLU	1	2	402.52	-7542.83	284.69	1748.22	-7542.83	3052.60	18006.90	88.59	5.62	10.311

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg	CC	TCC	El	Sez.	X	N	My	Mz	Nu	M'ydy	M'yz	α	ε _y	Sic.
<m>					<cm>	<daN>	<daNm>	<daNm>	<daN>	<daNm>	<daNm>	<grad>		
0.00	9	SND	1	2	0.00	-3951.97	29663.30	-3345.40	-3951.97	29923.60	-3667.01	315.00	4.79	1.010
0.00	9	SND	1	2	0.00	-3951.97	29663.30	-3345.40	-3951.97	29923.60	-3667.01	315.00	4.79	1.010
4.03	9	SND	1	2	402.52	-2316.72	-16284.60	3620.46	-2316.72	-26135.60	5694.38	120.94	4.33	1.603

Stato limite d'esercizio - Verifiche tensionali

Xg	CC	TCC	El	Sez.	X	N	Mz	My	AfT	AfC	σ_c	σ_f
<m>					<cm>	<daN>	<daNm>	<daNm>	<cmq>	<cmq>	<daN/cmq>	<daN/cmq>
0.00	18	SLE R	1	2	0.00	-7204.12	-575.36	578.04	19.01	34.21	11.74	134.60
0.00	20	SLE Q	1	2	0.00	-6248.91	-455.76	597.96	19.01	34.21	10.03	116.93
0.00	18	SLE R	1	2	0.00	-7204.12	-575.36	578.04	19.01	34.21	11.74	134.60
0.00	20	SLE Q	1	2	0.00	-6248.91	-455.76	597.96	19.01	34.21	10.03	116.93
4.03	18	SLE R	1	2	402.52	-5568.86	1274.80	219.02	30.41	22.81	19.28	226.62
4.03	20	SLE Q	1	2	402.52	-4613.65	1010.91	192.76	30.41	22.81	15.43	177.54

Stato limite d'esercizio - Verifiche a fessurazione

Xg	CC	TCC	El	Sez.	X	N	My	Mz	c	s	K ₂	Φ _{eq}	Δ _{sm}	A _s	A _{c eff}	σ _s	ε _{sm}	W _k
<m>					<cm>	<daN>	<daNm>	<daNm>	<mm>	<mm>			<mm>	<cmq>	<cmq>	<daN/cmq>		<mm>
4.03	20	SLE Q	1	2	402.52	-4613.65	192.76	1010.91	34.00	112.00	0.50	22.00	214.50	3.80	253.13	177.54	0.05	0.02
4.03	19	SLE F	1	2	402.52	-4750.70	198.65	1043.51	34.00	112.00	0.50	22.00	214.62	3.80	253.35	183.45	0.05	0.02

Stato limite ultimo - Verifiche a taglio

X0	X1	Staff.	Br _y	Br _z	CC	TCC	bw _y	d _y	Vsdu _y	ctgθ _y	VRsd _y	VRcd _y	Vrd _y	bw _z	d _z	Vsdu _z	ctgθ _z	VRsd _z	VRcd _z	Vrd _z	Sic.
<X0>	<X1>						<cm>	<cm>	<daN>		<daN>	<daN>	<daN>	<cm>	<cm>	<daN>		<daN>	<daN>	<daN>	
0.00	0.67	ø6/24	2	217	SLU	0.65	0.21	634.00	2.50	4273.42	35439.60	4273.42	0.25	0.61	124.02	2.50	12571.30	40097.90	12571.30	6.740	
0.00	0.67	ø6/24	2	29	SND	0.65	0.21	1730.40	2.50	4273.42	35378.20	4273.42	0.25	0.61	11408.90	2.50	12571.30	40028.40	12571.30	1.102	
0.00	0.67	ø6/24	2	213	SND	0.65	0.21	2942.59	2.50	4273.42	35575.70	4273.42	0.25	0.61	4422.15	2.50	12571.30	40251.80	12571.30	1.452	
0.67	3.35	ø6/24	2	217	SLU	0.65	0.21	634.00	2.50	4273.42	35394.30	4273.42	0.25	0.61	124.02	2.50	12571.30	40046.60	12571.30	6.740	
0.67	3.35	ø6/24	2	29	SND	0.65	0.21	1730.40	2.50	4273.42	35343.40	4273.42	0.25	0.61	11408.90	2.50	12571.30	39989.00	12571.30	1.102	
0.67	3.35	ø6/24	2	213	SND	0.65	0.21	2942.59	2.50	4273.42	35540.90	4273.42	0.25	0.61	4422.15	2.50	12571.30	40212.40	12571.30	1.452	
3.35	4.03	ø6/24	2	217	SLU	0.65	0.21	634.00	2.50	4273.42	35213.10	4273.42	0.25	0.61	124.02	2.50	12571.30	39841.60	12571.30	6.740	
3.35	4.03	ø6/24	2	29	SND	0.65	0.21	1730.40	2.50	4273.42	35204.00	4273.42	0.25	0.61	11408.90	2.50	12571.30	39831.30	12571.30	1.102	
3.35	4.03	ø6/24	2	213	SND	0.65	0.21	2942.59	2.50	4273.42	35401.50	4273.42	0.25	0.61	4422.15	2.50	12571.30	40054.70	12571.30	1.452	

Pilastrata n. 5

Relazione di calcolo

Nodi: 5 105 223

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B	H	Cf	Cls	Fck	Fctk	Fcd	Fctd	Tp	Fyk	Fyd
		<cm>	<cm>	<cm>		<daN/cmq>	<daN/cmq>	<daN/cmq>	<daN/cmq>		<daN/cmq>	<daN/cmq>
3	R	25.00	25.00	4.10	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/presoflessione

Xg	CC	TCC	El	Sez.	X	N	My	My ver.	Mz	Mz ver.	Nu	MRdy	MRdz	α	ε _y	Sic.
<m>					<cm>	<daN>	<daNm>	<daNm>	<daNm>	<daNm>	<daN>	<daNm>	<daNm>	<grad>		
5.13	17	SLU	2	3	0.00	-8594.99	-666.11	-666.11	230.69	230.69	-8594.99	-7058.14	2465.60	157.50	3.43	10.606
5.13	17	SLU	2	3	0.00	-8594.99	-666.11	-666.11	230.69	230.69	-8594.99	-7058.14	2465.60	157.50	3.43	10.606
6.12	17 (e)	SLU	2	3	98.90	-8394.10	430.26	430.26	-16.75	-167.88	-8394.10	6928.24	-2634.58	336.09	3.41	16.049

Stato limite elastico - Verifiche a flessione/presoflessione

Xg	CC	TCC	El	Sez.	X	N	My	My ver.	Mz	Mz ver.	Nu	M'ydy	M'ydz	α	ε _y	Sic.
<m>					<cm>	<daN>	<daNm>	<daNm>	<daNm>	<daNm>	<daN>	<daNm>	<daNm>	<grad>		
5.13	5	SND	2	3	0.00	-238.27	-6368.04	-6368.04	586.49	586.49	-238.27	-6023.57	548.53	174.38	5.12	1.046
5.13	5	SND	2	3	0.00	-238.27	-6368.04	-6368.04	586.49	586.49	-238.27	-6023.57	548.53	174.38	5.12	1.046
6.12	5	SND	2	3	98.90	-83.74	5069.73	5069.73	660.76	660.76	-83.74	5824.23	753.91	8.44	4.80	1.149

Dati per verifiche di stabilità

Xg	El	l ₀	λ	λ*
<m>		<m>		
---	1	5.13	71.08	61.05
---	1	5.13	71.08	61.05
---	1	5.13	71.08	61.05

Stato limite ultimo - Verifiche a flessione/presoflessione - Controlli di stabilità

Xg	CC	TCC	El	Sez.	X	N	My	My ver.	Mz	Mz ver.	Nu	MRdy,s	MRdz,s	M'ydy,s	MRdy,s	M'ydz,s	MRdz,s	α	ε _y	Sic.
<m>					<cm>	<daN>	<daNm>	<daNm>	<daNm>	<daNm>	<daN>	<daNm>	<daNm>	<daNm>	<daNm>	<daNm>	<daNm>	<grad>		
0.00	17 (e)	SLU	1	3	0.00	-17739.70	-94.38	-455.02	71.80	455.02	-17739.70	-4297.05	4297.04	-4297.05	-4297.05	4297.04	4297.04	135.00	2.86	9.444
0.00	17 (e)	SLU	1	3	0.00	-17739.70	-94.38	-455.02	71.80	455.02	-17739.70	-4297.05	4297.04	-4297.05	-4297.05	4297.04	4297.04	135.00	2.86	9.444
4.79	17 (e)	SLU	1	3	479.13	-16766.50	104.83	430.06	-77.84	-430.06	-16766.50	4316.32	-4316.31	4316.32	4316.32	-4316.31	-4316.31	315.00	2.90	10.037

Stato limite elastico - Verifiche a flessione/presoflessione - Controlli di stabilità

Xg	CC	TCC	El	Sez.	X	N	My	My ver.	Mz	Mz ver.	Nu	M'ydy,s	M'ydz,s	M'ydy,s	MRdy,s	M'ydz,s	MRdz,s	α	ε _y	Sic.
<m>					<cm>	<daN>	<daNm>	<daNm>	<daNm>	<daNm>	<daN>	<daNm>	<daNm>	<daNm>	<daNm>	<daNm>	<daNm>	<grad>		
0.00	1	SND	1	3	0.00	-13073.90	-790.01	-790.01	1959.15	1959.15	-13073.90	-1949.36	4747.20	-1949.36	-1949.36	4747.20	4747.20	115.31	3.16	2.429
0.00	1	SND	1	3	0.00	-13073.90	-790.01	-790.01	1959.15	1959.15	-13073.90	-1949.36	4747.20	-1949.36	-1949.36	4747.20	4747.20	115.31	3.16	2.429
4.79	5	SND	1	3	479.13	-15109.70	1612.90	1612.90	-449.83	-449.83	-15109.70	5148.38	-1513.17	5148.38	5148.38	-1513.17	-1513.17	340.31	3.19	3.205

Stato limite d'esercizio - Verifiche tensionali

Xg	CC	TCC	El	Sez.	X	N	Mz	My	Aft	AfC	σ _c	σ _f
<m>					<cm>	<daN>	<daNm>	<daNm>	<cmq>	<cmq>	<daN/cmq>	<daN/cmq>
0.00	18	SLE	R	1	3	0.00	-12978.60	52.55	-64.55	0.00	24.13	225.95
0.00	20	SLE	Q	1	3	0.00	-11128.50	52.36	-59.86	0.00	24.13	196.63
0.00	18	SLE	R	1	3	0.00	-12978.60	52.55	-64.55	0.00	24.13	225.95
0.00	20	SLE	Q	1	3	0.00	-11128.50	52.36	-59.86	0.00	24.13	196.63
4.79	18	SLE	R	1	3	479.13	-12230.00	-58.40	72.70	0.00	24.13	218.00
4.79	20	SLE	Q	1	3	479.13	-10379.90	-59.81	65.69	0.00	24.13	188.50
5.13	18	SLE	R	2	3	0.00	-6376.20	170.73	-468.95	8.04	16.09	269.57
5.13	20	SLE	Q	2	3	0.00	-5274.24	172.19	-400.42	8.04	16.09	236.56
5.13	18	SLE	R	2	3	0.00	-6376.20	170.73	-468.95	8.04	16.09	269.57
5.13	20	SLE	Q	2	3	0.00	-5274.24	172.19	-400.42	8.04	16.09	236.56
6.12	18	SLE	R	2	3	98.90	-6221.68	-9.28	303.53	0.00	24.13	171.80
6.12	20	SLE	Q	2	3	98.90	-5119.71	-3.32	255.21	0.00	24.13	141.70

Stato limite ultimo - Verifiche a taglio

X0	X1	Staff.	Br _y	Br _z	CC	TCC	bw _v	d _v	Vsdu _v	ctgθ _v	VRsd _v	VRcd _v	Vrd _v	bw _r	d _r	Vsdu _r	ctgθ _r	VRsd _r	VRcd _r	Vrd _r	Sic.
<m>	<m>						<cm>	<cm>	<daN>		<daN>	<daN>	<daN>	<cm>	<cm>	<daN>		<daN>	<daN>	<daN>	
0.00	0.80	ø8/10	2	217	SLU	0.25	0.21	31.23	2.27	16523.40	16523.40	16523.40	0.25	0.21	41.58	2.27	16523.40	16523.40	16523.40	>100	
0.00	0.80	ø8/10	2	25	SND	0.25	0.21	229.70	2.24	16368.70	16368.70	16368.70	0.25	0.21	746.04	2.24	16368.70	16368.70	16368.70	21.941	
0.00	0.80	ø8/10	2	29	SND	0.25	0.21	718.43	2.21	16154.40	16154.40	16154.40	0.25	0.21	249.79	2.21	16154.40	16154.40	16154.40	22.486	
0.80	3.99	ø8/10	2	217	SLU	0.25	0.21	31.23	2.26	16510.10	16510.10	16510.10	0.25	0.21	41.58	2.26	16510.10	16510.10	16510.10	>100	
0.80	3.99	ø8/10	2	25	SND	0.25	0.21	229.70	2.24	16358.40	16358.40	16358.40	0.25	0.21	746.04	2.24	16358.40	16358.40	16358.40	21.927	
0.80	3.99	ø8/10	2	29	SND	0.25	0.21	718.43	2.21	16144.00	16144.00	16144.00	0.25	0.21	249.79	2.21	16144.00	16144.00	16144.00	22.471	
3.99	4.79	ø8/10	2	217	SLU	0.25	0.21	31.23	2.26	16456.80	16456.80	16456.80	0.25	0.21	41.58	2.26	16456.80	16456.80	16456.80	>100	
3.99	4.79	ø8/10	2	25	SND	0.25	0.21	229.70	2.24	16317.00	16317.00	16317.00	0.25	0.21	746.04	2.24	16317.00	16317.00	16317.00	21.872	
3.99	4.79	ø8/10	2	29	SND	0.25	0.21	718.43	2.21	16102.10	16102.10	16102.10	0.25	0.21	249.79	2.21	16102.10	16102.10	16102.10	22.413	
5.13	6.12	ø8/10	2	217	SLU	0.25	0.21	250.20	2.16	15757.20	15757.20	15757.20	0.25	0.21	1108.61	2.16	15757.20	15757.20	15757.20	14.213	
5.13	6.12	ø8/10	2	25	SND	0.25	0.21	1241.60	2.18	15891.60	15891.60	15891.60	0.25	0.21	11565.40	2.18	15891.60	15891.60	15891.60	1.374	
5.13	6.12	ø8/10	2	29	SND	0.25	0.21	3012.16	2.14	15640.20	15640.20	15640.20	0.25	0.21	3629.04	2.14	15640.20	15640.20	15640.20	4.310	

Pilastrata n. 6

Nodi: 6 106

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B	H	Cf	Cls	Fck	Fctk	Fcd	Fctd	Tp	Fyk	Fyd
		<cm>	<cm>	<cm>		<daN/cmq>	<daN/cmq>	<daN/cmq>	<daN/cmq>		<daN/cmq>	<daN/cmq>
1	R	25.00	50.00	4.20	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/presoflessione

Relazione di calcolo

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	My <daNm>	My ver. <daNm>	Mz <daNm>	Mz ver. <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	α <grad>	ε _y	Sic.
0.00	17	SLU	1	1	0.00	-12984.60	-291.87	-291.87	341.98	341.98	-339029.00	-9275.78	10998.70	101.25	4.10	26.110
0.00	17	SLU	1	1	0.00	-12984.60	-291.87	-291.87	341.98	341.98	-339029.00	-9275.78	10998.70	101.25	4.10	26.110
4.03	17 (e)	SLU	1	1	402.52	-11349.30	2140.16	2140.16	-63.84	-241.74	-11349.30	24904.40	-3074.43	326.25	5.01	11.651

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	My <daNm>	My ver. <daNm>	Mz <daNm>	Mz ver. <daNm>	Nu <daN>	M'y _{dy} <daNm>	M'y _{dz} <daNm>	α <grad>	ε _y	Sic.
0.00	13	SND	1	1	0.00	-5156.18	16153.30	16153.30	2352.57	2352.57	-5156.18	16807.30	2693.98	39.38	5.00	1.043
0.00	13	SND	1	1	0.00	-5156.18	16153.30	16153.30	2352.57	2352.57	-5156.18	16807.30	2693.98	39.38	5.00	1.043
4.03	5	SND	1	1	402.52	-3192.06	12711.50	12711.50	1590.93	1590.93	-3192.06	17200.50	2180.92	33.75	5.38	1.353

Stato limite d'esercizio - Verifiche tensionali

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ _c <daN/cmq>	σ _f <daN/cmq>
0.00	18	SLE R	1	1	0.00	-9673.74	239.66	-205.18	0.00	34.05	10.01	129.22
0.00	20	SLE Q	1	1	0.00	-8037.22	226.66	-131.96	0.00	34.05	8.46	108.03
0.00	18	SLE R	1	1	0.00	-9673.74	239.66	-205.18	0.00	34.05	10.01	129.22
0.00	20	SLE Q	1	1	0.00	-8037.22	226.66	-131.96	0.00	34.05	8.46	108.03
4.03	18	SLE R	1	1	402.52	-8415.85	-40.29	1565.98	10.74	23.31	16.18	207.55
4.03	20	SLE Q	1	1	402.52	-6779.33	-41.26	1205.07	10.74	23.31	12.73	163.28

Stato limite d'esercizio - Verifiche a fessurazione

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	My <daNm>	Mz <daNm>	c <mm>	s <mm>	K ₂	Φ _{eq}	Δ _{sm} <mm>	A _s <cmq>	A _{c eff} <cmq>	σ _s <daN/cmq>	ε _{sm}	W _k <mm>
4.03	20	SLE Q	1	1	402.52	-6779.33	1205.07	-41.26	34.00	80.01	0.50	21.38	122.91	3.80	97.66	66.62	0.02	0.00
4.03	19	SLE F	1	1	402.52	-6988.31	1248.92	-40.64	34.00	80.01	0.50	21.38	124.35	3.80	100.22	69.39	0.02	0.00

Stato limite ultimo - Verifiche a taglio

X0 <m>	X1 <m>	Staff.	Br _y	Br _z	CC	TCC	b _{w,y} <cm>	d _y <cm>	Vsdu _y <daN>	ctgθ _y	VRsd _y <daN>	VRcd _y <daN>	Vrd _y <daN>	b _{w,z} <cm>	d _z <cm>	Vsdu _z <daN>	ctgθ _z	VRsd _z <daN>	VRcd _z <daN>	Vrd _z <daN>	Sic.
0.00	0.67	ø6/24	2	2	17	SLU	0.50	0.21	100.82	2.50	4273.42	27970.50	4273.42	0.25	0.46	604.19	2.50	9459.61	30957.70	9459.61	15.657
0.00	0.67	ø6/24	2	2	5	SND	0.50	0.21	900.98	2.50	4273.42	27706.30	4273.42	0.25	0.46	7236.50	2.50	9459.61	30665.20	9459.61	1.307
0.00	0.67	ø6/24	2	2	9	SND	0.50	0.21	2588.40	2.50	4273.42	27544.80	4273.42	0.25	0.46	3019.89	2.50	9459.61	30486.40	9459.61	1.651
0.67	3.35	ø6/24	2	2	17	SLU	0.50	0.21	100.82	2.50	4273.42	27935.70	4273.42	0.25	0.46	604.19	2.50	9459.61	30919.10	9459.61	15.657
0.67	3.35	ø6/24	2	2	5	SND	0.50	0.21	900.98	2.50	4273.42	27679.50	4273.42	0.25	0.46	7236.50	2.50	9459.61	30635.60	9459.61	1.307
0.67	3.35	ø6/24	2	2	9	SND	0.50	0.21	2588.40	2.50	4273.42	27518.00	4273.42	0.25	0.46	3019.88	2.50	9459.61	30456.80	9459.61	1.651
3.35	4.03	ø6/24	2	2	17	SLU	0.50	0.21	100.82	2.50	4273.42	27796.30	4273.42	0.25	0.46	604.19	2.50	9459.61	30764.80	9459.61	15.657
3.35	4.03	ø6/24	2	2	5	SND	0.50	0.21	900.98	2.50	4273.42	27572.30	4273.42	0.25	0.46	7236.50	2.50	9459.61	30516.90	9459.61	1.307
3.35	4.03	ø6/24	2	2	9	SND	0.50	0.21	2588.40	2.50	4273.42	27410.70	4273.42	0.25	0.46	3019.88	2.50	9459.61	30338.10	9459.61	1.651

Pilastrata n. 7

Nodi: 7 -734 207

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
2	R	25.00	65.00	4.20	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04
2	R	25.00	65.00	4.40	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	My <daNm>	My ver. <daNm>	Mz <daNm>	Mz ver. <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	α <grad>	ε _y	Sic.
0.00	17 (e)	SLU	1	2	0.00	-15583.80	597.82	597.82	-19.33	-321.81	-461734.00	24708.80	-13500.40	280.55	3.95	29.629
0.00	17 (e)	SLU	1	2	0.00	-15583.80	597.82	597.82	-19.33	-321.81	-461734.00	24708.80	-13500.40	280.55	3.95	29.629
3.93	17 (e)	SLU	1	2	393.00	-13508.30	-0.90	-278.95	-1149.75	-1149.75	-13508.30	-4063.94	-16363.90	268.59	5.07	14.251
4.13	17 (e)	SLU	2	2	0.00	-10946.20	270.44	270.44	-169.79	-218.92	-461734.00	18235.90	-14715.50	277.38	4.23	42.182
4.13	17 (e)	SLU	2	2	0.00	-10946.20	270.44	270.44	-169.79	-218.92	-415020.00	15056.20	-12142.60	279.84	4.59	37.915
4.25	17	SLU	2	2	12.38	-10880.80	593.37	593.37	-563.76	-563.76	-10880.80	13121.70	-12455.70	278.09	4.84	22.105

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	My <daNm>	My ver. <daNm>	Mz <daNm>	Mz ver. <daNm>	Nu <daN>	M'y _{dy} <daNm>	M'y _{dz} <daNm>	α <grad>	ε _y	Sic.
0.00	5	SND	1	2	0.00	-7393.93	33614.70	33614.70	-3759.35	-3759.35	-7393.93	34614.60	-4250.47	303.75	4.90	1.031
0.00	5	SND	1	2	0.00	-7393.93	33614.70	33614.70	-3759.35	-3759.35	-7393.93	34614.60	-4250.47	303.75	4.90	1.031
3.93	13	SND	1	2	393.00	-5389.35	19966.00	19966.00	-4565.05	-4565.05	-5389.35	27553.60	-6599.12	289.69	4.26	1.383
4.13	13	SND	2	2	0.00	-4832.27	20720.50	20720.50	-4291.53	-4291.53	-4832.27	29218.60	-5879.10	292.50	4.36	1.409
4.13	5	SND	2	2	0.00	-4974.94	-20270.30	-20270.30	4377.95	4377.95	-4974.94	-20652.00	4449.67	120.94	4.85	1.019
4.25	13	SND	2	2	12.38	-4781.98	22528.90	22528.90	-1960.72	-1960.72	-4781.98	24899.20	-2057.55	326.25	6.24	1.105

Stato limite d'esercizio - Verifiche tensionali

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ _c <daN/cmq>	σ _f <daN/cmq>
0.00	18	SLE R	1	2	0.00	-11707.90	-1.45	487.93	0.00	49.64	6.47	93.81
0.00	20	SLE Q	1	2	0.00	-9773.08	-45.65	344.80	0.00	49.64	5.67	80.25
0.00	18	SLE R	1	2	0.00	-11707.90	-1.45	487.93	0.00	49.64	6.47	93.81
0.00	20	SLE Q	1	2	0.00	-9773.08	-45.65	344.80	0.00	49.64	5.67	80.25
3.93	18	SLE R	1	2	393.00	-10111.40	-853.49	-5.23	17.22	32.42	14.48	160.78
3.93	20	SLE Q	1	2	393.00	-8176.52	-679.16	26.25	17.22	32.42	11.63	128.59

Relazione di calcolo

4.13	18	SLE R	2	2	0.00	-8188.45	-96.75	190.86	0.00	49.64	5.06	69.18
4.13	20	SLE Q	2	2	0.00	-6392.70	43.21	225.06	0.00	49.64	3.85	53.81
4.13	18	SLE R	2	2	0.00	-8188.45	-96.75	190.86	0.00	37.70	5.53	75.91
4.13	20	SLE Q	2	2	0.00	-6392.70	43.21	225.06	0.00	37.70	4.26	59.71
4.25	18	SLE R	2	2	12.38	-8138.15	-390.48	432.52	3.14	34.56	9.84	120.79
4.25	20	SLE Q	2	2	12.38	-6342.40	-192.02	459.74	3.14	34.56	6.80	87.26

Stato limite ultimo - Verifiche a taglio

X0	X1	Staff.	Br _y	Br _z	CC	TCC	bw _y	d _y	Vsdu _y	ctgθ _y	VRsd _y	VRcd _y	Vrd _y	bw _z	d _z	Vsdu _z	ctgθ _z	VRsd _z	VRcd _z	Vrd _z	Sic.
<m>	<m>						<m>	<m>	<daN>		<daN>	<daN>	<daN>	<m>	<m>	<daN>		<daN>	<daN>	<daN>	
0.00	0.66	ø6/18	2	2	17	SLU	0.65	0.21	287.64	2.50	5697.89	36195.90	5697.89	0.25	0.61	152.34	2.50	16761.80	40953.60	16761.80	19.809
0.00	0.66	ø6/18	2	25	SND	0.65	0.21	1914.88	2.50	5697.89	35809.30	5697.89	0.25	0.61	13620.40	2.50	16761.80	40516.20	16761.80	1.231	
0.00	0.66	ø6/18	2	29	SND	0.65	0.21	4168.17	2.50	5697.89	35703.50	5697.89	0.25	0.61	6566.47	2.50	16761.80	40396.40	16761.80	1.367	
0.66	3.27	ø6/18	2	2	17	SLU	0.65	0.21	287.64	2.50	5697.89	36151.70	5697.89	0.25	0.61	152.34	2.50	16761.80	40903.50	16761.80	19.809
0.66	3.27	ø6/18	2	25	SND	0.65	0.21	1914.88	2.50	5697.89	35775.30	5697.89	0.25	0.61	13620.40	2.50	16761.80	40477.70	16761.80	1.231	
0.66	3.27	ø6/18	2	29	SND	0.65	0.21	4168.17	2.50	5697.89	35669.50	5697.89	0.25	0.61	6566.47	2.50	16761.80	40357.90	16761.80	1.367	
3.27	3.93	ø6/18	2	2	17	SLU	0.65	0.21	287.64	2.50	5697.89	35974.80	5697.89	0.25	0.61	152.34	2.50	16761.80	40703.40	16761.80	19.809
3.27	3.93	ø6/18	2	25	SND	0.65	0.21	1914.88	2.50	5697.89	35639.20	5697.89	0.25	0.61	13620.40	2.50	16761.80	40323.70	16761.80	1.231	
3.27	3.93	ø6/18	2	29	SND	0.65	0.21	4168.17	2.50	5697.89	35533.40	5697.89	0.25	0.61	6566.47	2.50	16761.80	40203.90	16761.80	1.367	
4.13	4.25	ø8/ 6	2	2	17	SLU	0.65	0.21	3182.12	2.50	30388.80	35603.00	30388.80	0.25	0.61	2608.32	1.51	53838.90	53838.90	53838.90	9.550
4.13	4.25	ø8/ 6	2	2	13	SND	0.65	0.21	24386.30	2.50	30388.80	35202.00	30388.80	0.25	0.61	14626.10	1.49	53400.20	53400.20	53400.20	1.246
4.13	4.25	ø8/ 6	2	25	SND	0.65	0.21	27434.00	2.50	30388.80	35220.30	30388.80	0.25	0.61	13100.10	1.49	53420.20	53420.20	53420.20	1.108	

Pilastrata n. 8

Nodi: 8 -735 208

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf <cm>	Cls	Fck <daN/cm²>	Fctk <daN/cm²>	Fcd <daN/cm²>	Fctd <daN/cm²>	Tp	Fyk <daN/cm²>	Fyd <daN/cm²>
1	R	25.00	50.00	4.20	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	My <daNm>	My ver. <daNm>	Mz <daNm>	Mz ver. <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	α <grad>	ε _r	Sic.
0.00	17(e)	SLU	1	1	0.00	-31417.40	649.99	649.99	-302.89	-648.77	-339029.00	11052.60	-11029.10	283.36	3.43	10.791
0.00	17(e)	SLU	1	1	0.00	-31417.40	649.99	649.99	-302.89	-648.77	-339029.00	11052.60	-11029.10	283.36	3.43	10.791
3.93	17(e)	SLU	1	1	393.00	-29820.80	-440.72	-615.80	452.09	615.80	-339029.00	-11054.40	10986.60	103.36	3.47	11.369
4.13	17(e)	SLU	2	1	0.00	-27019.50	-261.88	-540.39	-1572.05	-1572.05	-27019.50	-4303.56	-12611.90	265.78	4.32	8.016
4.13	17(e)	SLU	2	1	0.00	-27019.50	-261.88	-540.39	-1572.05	-1572.05	-27019.50	-3172.83	-8906.72	265.78	5.86	5.688
5.82	17	SLU	2	1	169.00	-26332.90	577.04	577.04	945.56	945.56	-26332.90	5169.90	8711.82	82.27	5.08	9.145

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	My <daNm>	My ver. <daNm>	Mz <daNm>	Mz ver. <daNm>	Nu <daN>	M'ydy <daNm>	M'ydz <daNm>	α <grad>	ε _r	Sic.
0.00	5	SND	1	1	0.00	-16331.30	16780.90	16780.90	-2686.02	-2686.02	-16331.30	18212.00	-2796.30	320.62	4.53	1.084
0.00	5	SND	1	1	0.00	-16331.30	16780.90	16780.90	-2686.02	-2686.02	-16331.30	18212.00	-2796.30	320.62	4.53	1.084
3.93	1	SND	1	1	393.00	-16392.00	-4363.07	-4363.07	6187.98	6187.98	-16392.00	-6274.28	8981.05	99.14	4.15	1.447
4.13	13	SND	2	1	0.00	-13111.60	10388.90	10388.90	-2873.68	-2873.68	-13111.60	15134.30	-4457.63	303.75	4.03	1.464
4.13	5	SND	2	1	0.00	-13587.80	-10642.10	-10642.10	-2735.15	-2735.15	-13587.80	-11453.10	-3003.54	230.62	5.07	1.078
5.82	13	SND	2	1	169.00	-12583.50	4740.86	4740.86	1497.95	1497.95	-12583.50	10665.30	3304.35	56.25	4.85	2.246

Stato limite d'esercizio - Verifiche tensionali

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ _c <daN/cm²>	σ _t <daN/cm²>
0.00	18	SLE R	1	1	0.00	-23114.60	-225.56	510.30	0.00	34.05	19.34	265.05
0.00	20	SLE Q	1	1	0.00	-19608.40	-203.80	383.36	0.00	34.05	16.27	222.71
0.00	18	SLE R	1	1	0.00	-23114.60	-225.56	510.30	0.00	34.05	19.34	265.05
0.00	20	SLE Q	1	1	0.00	-19608.40	-203.80	383.36	0.00	34.05	16.27	222.71
3.93	18	SLE R	1	1	393.00	-21886.50	339.32	-336.13	0.00	34.05	19.11	256.19
3.93	20	SLE Q	1	1	393.00	-18380.30	310.79	-263.85	0.00	34.05	16.29	217.12
4.13	18	SLE R	2	1	0.00	-19780.30	-1170.99	-202.42	6.94	27.11	29.19	342.53
4.13	20	SLE Q	2	1	0.00	-16470.90	-1028.25	-126.62	13.89	20.17	24.94	289.89
4.13	18	SLE R	2	1	0.00	-19780.30	-1170.99	-202.42	3.80	15.43	32.56	384.15
4.13	20	SLE Q	2	1	0.00	-16470.90	-1028.25	-126.62	5.81	13.41	27.82	324.94
5.82	18	SLE R	2	1	169.00	-19252.20	699.14	430.06	0.00	19.23	25.96	324.92
5.82	20	SLE Q	2	1	169.00	-15942.80	606.15	404.59	0.00	19.23	22.26	277.30

Stato limite ultimo - Verifiche a taglio

X0	X1	Staff.	Br _y	Br _z	CC	TCC	bw _y	d _y	Vsdu _y	ctgθ _y	VRsd _y	VRcd _y	Vrd _y	bw _z	d _z	Vsdu _z	ctgθ _z	VRsd _z	VRcd _z	Vrd _z	Sic.
<m>	<m>						<m>	<m>	<daN>		<daN>	<daN>	<daN>	<m>	<m>	<daN>		<daN>	<daN>	<daN>	
0.00	0.66	ø6/24	2	2	17	SLU	0.50	0.21	192.11	2.50	4273.42	30327.40	4273.42	0.25	0.46	277.54	2.50	9459.61	33566.20	9459.61	22.245
0.00	0.66	ø6/24	2	25	SND	0.50	0.21	1282.78	2.50	4273.42	29309.60	4273.42	0.25	0.46	7033.39	2.50	9459.61	32439.80	9459.61	1.345	
0.00	0.66	ø6/24	2	21	SND	0.50	0.21	3466.79	2.50	4273.42	29144.80	4273.42	0.25	0.46	2857.96	2.50	9459.61	32257.40	9459.61	1.233	
0.66	3.27	ø6/24	2	2	17	SLU	0.50	0.21	192.11	2.50	4273.42	30293.40	4273.42	0.25	0.46	277.54	2.50	9459.61	33528.60	9459.61	22.245
0.66	3.27	ø6/24	2	25	SND	0.50	0.21	1282.78	2.50	4273.42	29283.50	4273.42	0.25	0.46	7033.39	2.50	9459.61	32410.80	9459.61	1.345	
0.66	3.27	ø6/24	2	21	SND	0.50	0.21	3466.80	2.50	4273.42	29118.70	4273.42	0.25	0.46	2857.96	2.50	9459.61	32228.40	9459.61	1.233	
3.27	3.93	ø6/24	2	2	17	SLU	0.50	0.21	192.11	2.50	4273.42	30157.30	4273.42	0.25	0.46	277.54	2.50	9459.61	33377.90	9459.61	22.245
3.27	3.93	ø6/24	2	25	SND	0.50	0.21	1282.78	2.50	4273.42	29178.80	4273.42	0.25	0.46	7033.39	2.50	9459.61	32295.00	9459.61	1.345	
3.27	3.93	ø6/24	2	21	SND	0.50	0.21	3466.80	2.50	4273.42	29014.00	4273.42	0.25	0.46	2857.96	2.50	9459.61	32112.60	9459.61	1.233	
4.13	4.63	ø6/18	2	2	17	SLU	0.50	0.21	1489.71	2.50	5697.89	29765.10	5697.89	0.25	0.46	496.40	2.50	12612.80	32943.80	12612.80	3.825
4.13	4.63	ø6/18	2	2	13	SND	0.50	0.21	2583.94	2.50	5697.89	28784.90	5697.89	0.25	0.46	4003.56	2.50	12612.80	31859.10	12612.80	2.205
4.13	4.63	ø6/18	2	29	SND	0.50	0.21	3958.27	2.50	5697.89	28797.80	5697.89	0.25	0.46	1663.90	2.50	12612.80	31873.20	12612.80	1.439	
4.63	5.32	ø6/18	2	2	17	SLU	0.50	0.21	1489.71	2.50	5697.89	29739.10	5697.89	0.25	0.46	496.40	2.50	12612.80	32915.10	12612.80	3.825
4.63	5.32	ø6/18	2	2	13	SND	0.50	0.21	2583.94	2.50	5697.89	28765.00	5697.89	0.25	0.46	4003.55	2.50	12612.80	31836.90	12612.80	2.205
4.63	5.32	ø6/18	2	29	SND	0.50	0.21	3958.27	2.50	5697.89	28777.80	5697.89	0.25	0.46	1663.90	2.50	12612.80	31851.10	12612.80	1.439	
5.32	5.82	ø6/18	2	2	17	SLU	0.50	0.21	1489.71	2.50	5697.89	29703.20	5697.89	0.25	0.46	496.40	2.50	12612.80	32875.40	12612.80	3.825
5.32	5.82	ø6/18	2	2	13	SND	0.50	0.21	2583.94	2.50	5697.89	28737.40	5697.89	0.25	0.46	4003.55	2.50	12612.80	31806.40	12612.80	2.205
5.32	5.82	ø6/18	2	29	SND	0.50	0.21	3958.26	2.50	5697.89	28750.20	5697.89	0.25	0.46	1663.90	2.50	12612.80	31820.60	12612.80	1.439	

Pilastrata n. 9

Nodi: 9 209

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
1R		25.00	50.00	4.10	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	My <daNm>	My ver. <daNm>	Mz <daNm>	Mz ver. <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	α <grad>	ε _y	Sic.
0.00	17(e)	SLU	1	1	0.00	-14203.00	-1064.50	-1064.50	-51.16	358.63	-14203.00	-18270.10	6352.64	120.94	4.04	17.220
0.00	17(e)	SLU	1	1	0.00	-14203.00	-1064.50	-1064.50	-51.16	358.63	-14203.00	-18270.10	6352.64	120.94	4.04	17.220
4.81	17(e)	SLU	1	1	481.00	-12249.00	2376.04	2376.04	-0.62	-309.29	-12249.00	23091.90	-2961.26	326.25	5.06	9.716

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	My <daNm>	My ver. <daNm>	Mz <daNm>	Mz ver. <daNm>	Nu <daN>	M'ydy <daNm>	M'ydz <daNm>	α <grad>	ε _y	Sic.
0.00	5	SND	1	1	0.00	-6415.34	-15152.90	-15152.90	-1698.64	-1698.64	-6415.34	-16595.30	-1674.43	208.12	5.66	1.094
0.00	5	SND	1	1	0.00	-6415.34	-15152.90	-15152.90	-1698.64	-1698.64	-6415.34	-16595.30	-1674.43	208.12	5.66	1.094
4.81	5	SND	1	1	481.00	-4912.21	12843.80	12843.80	1324.70	1324.70	-4912.21	16395.40	1682.13	28.12	5.75	1.276

Stato limite d'esercizio - Verifiche tensionali

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ _c <daN/cmq>	σ _f <daN/cmq>
0.00	18	SLE R	1	1	0.00	-10507.60	-33.61	-744.67	0.00	31.42	11.35	155.22
0.00	20	SLE Q	1	1	0.00	-9041.95	-25.01	-657.46	0.00	31.42	9.82	134.37
0.00	18	SLE R	1	1	0.00	-10507.60	-33.61	-744.67	0.00	31.42	11.35	155.22
0.00	20	SLE Q	1	1	0.00	-9041.95	-25.01	-657.46	0.00	31.42	9.82	134.37
4.81	18	SLE R	1	1	481.00	-9004.47	-3.82	1725.38	9.42	21.99	17.78	230.07
4.81	20	SLE Q	1	1	481.00	-7538.83	-12.74	1454.06	12.57	18.85	15.15	195.33

Stato limite d'esercizio - Verifiche a fessurazione

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	My <daNm>	Mz <daNm>	c <mm>	s <mm>	K ₂	Φ _{eq}	Δ _{sm} <mm>	A _s <cmq>	A _{c eff} <cmq>	σ _s <daN/cmq>	ε _{sm}	Wk <mm>
4.81	20	SLE Q	1	1	481.00	-7538.83	1454.06	-12.74	34.00	81.01	0.50	20.00	97.82	9.42	140.54	96.35	0.03	0.00
4.81	19	SLE F	1	1	481.00	-7731.26	1490.78	-12.03	34.00	81.01	0.50	20.00	97.96	9.42	141.18	98.54	0.03	0.00

Stato limite ultimo - Verifiche a taglio

X0 <m>	X1 <m>	Staff.	Br _y	Br _z	CC	TCC	b _{w,y} <m>	d _{y,y} <m>	Vsdu _{y,y} <daN>	ctgθ _{y,y}	VRsd _{y,y} <daN>	VRcd _{y,y} <daN>	Vrd _{y,y} <daN>	b _{w,z} <m>	d _{z,z} <m>	Vsdu _{z,z} <daN>	ctgθ _{z,z}	VRsd _{z,z} <daN>	VRcd _{z,z} <daN>	Vrd _{z,z} <daN>	Sic.
0.00	0.80	ø6/24	2	2	17	SLU	0.50	0.21	10.51	2.50	4273.42	28126.30	4273.42	0.25	0.46	715.29	2.50	9459.61	31130.10	9459.61	13.225
0.00	0.80	ø6/24	2	2	5	SND	0.50	0.21	627.97	2.50	4273.42	27818.80	4273.42	0.25	0.46	5820.48	2.50	9459.61	30789.80	9459.61	1.625
0.00	0.80	ø6/24	2	2	1	SND	0.50	0.21	1883.78	2.50	4273.42	27622.40	4273.42	0.25	0.46	2308.21	2.50	9459.61	30572.30	9459.61	2.269
0.80	4.01	ø6/24	2	2	17	SLU	0.50	0.21	10.51	2.50	4273.42	28084.70	4273.42	0.25	0.46	715.29	2.50	9459.61	31084.00	9459.61	13.225
0.80	4.01	ø6/24	2	2	5	SND	0.50	0.21	627.97	2.50	4273.42	27786.80	4273.42	0.25	0.46	5820.49	2.50	9459.61	30754.30	9459.61	1.625
0.80	4.01	ø6/24	2	2	1	SND	0.50	0.21	1883.78	2.50	4273.42	27590.30	4273.42	0.25	0.46	2308.21	2.50	9459.61	30536.90	9459.61	2.269
4.01	4.81	ø6/24	2	2	17	SLU	0.50	0.21	10.51	2.50	4273.42	27918.10	4273.42	0.25	0.46	715.29	2.50	9459.61	30899.60	9459.61	13.225
4.01	4.81	ø6/24	2	2	5	SND	0.50	0.21	627.97	2.50	4273.42	27658.70	4273.42	0.25	0.46	5820.49	2.50	9459.61	30612.50	9459.61	1.625
4.01	4.81	ø6/24	2	2	1	SND	0.50	0.21	1883.78	2.50	4273.42	27462.20	4273.42	0.25	0.46	2308.21	2.50	9459.61	30395.10	9459.61	2.269

Pilastrata n. 10

Nodi: 10 110 210

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
3R		25.00	25.00	3.90	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04
3R		25.00	25.00	4.10	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	My <daNm>	My ver. <daNm>	Mz <daNm>	Mz ver. <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	α <grad>	ε _y	Sic.
5.13	17	SLU	2	3	0.00	-8710.71	909.15	909.15	215.05	215.05	-8710.71	7412.24	1875.55	16.88	3.64	8.184
5.13	17	SLU	2	3	0.00	-8710.71	909.15	909.15	215.05	215.05	-8710.71	7412.24	1875.55	16.88	3.64	8.184
6.12	17 (e)	SLU	2	3	98.90	-8509.82	-626.79	-626.79	16.04	170.20	-8509.82	-7403.97	1875.39	163.12	3.65	11.760

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	My <daNm>	My ver. <daNm>	Mz <daNm>	Mz ver. <daNm>	Nu <daN>	M'ydy <daNm>	M'ydz <daNm>	α <grad>	ε _y	Sic.
5.13	13	SND	2	3	0.00	-4939.46	5857.96	5857.96	441.21	441.21	-4939.46	6311.55	534.57	5.62	4.70	1.078
5.13	13	SND	2	3	0.00	-4939.46	5857.96	5857.96	441.21	441.21	-4939.46	6311.55	534.57	5.62	4.70	1.078
6.12	13	SND	2	3	98.90	-4784.94	-4541.16	-4541.16	702.32	702.32	-4784.94	-5932.39	953.61	168.75	4.19	1.308

Dati per verifiche di stabilità

Xg <m>	El	l ₀ <m>	λ	λ*
---	1	5.13	71.08	58.36

---	1	5.13	71.08	58.36
---	1	5.13	71.08	58.36

Stato limite ultimo - Verifiche a flessione/pressoflessione - Controlli di stabilità

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	My <daNm>	My ver. <daNm>	Mz <daNm>	Mz ver. <daNm>	Nu <daN>	MRdy,s <daNm>	MRdz,s <daNm>	M'ydy,s <daNm>	MRdy,s <daNm>	M'ydz,s <daNm>	MRdz,s <daNm>	α <grad>	ε _y	Sic.	
0.00	17 (e)	SLU	1	3	0.00	-19363.80	254.64	496.68	58.29	496.68	-19363.80	4253.79	4253.79	4253.79	4253.79	4253.79	4253.79	4253.79	45.00	2.80	8.565
0.00	17 (e)	SLU	1	3	0.00	-19363.80	254.64	496.68	58.29	496.68	-19363.80	4253.79	4253.79	4253.79	4253.79	4253.79	4253.79	4253.79	45.00	2.80	8.565
4.79	17 (e)	SLU	1	3	479.13	-18390.60	-251.01	-471.72	-79.62	471.72	-18390.60	-4272.14	4272.14	-4272.14	-4272.14	4272.14	4272.14	135.00	2.84	9.057	

Stato limite elastico - Verifiche a flessione/pressoflessione - Controlli di stabilità

Xg	CC	TCC	El	Sez.	X <cm>	N <daN>	My <daNm>	My ver. <daNm>	Mz <daNm>	Mz ver. <daNm>	Nu <daN>	M'ydy,s <daNm>	M'ydz,s <daNm>	M'ydy,s <daNm>	MRdy,s <daNm>	M'ydz,s <daNm>	MRdz,s <daNm>	α <grad>	ε _y	Sic.
0.00	9	SND	1	3	0.00	-12736.00	868.49	868.49	1875.77	1875.77	-12736.00	2180.97	4559.64	2180.97	2180.97	4559.64	4559.64	61.88	3.14	2.444
0.00	9	SND	1	3	0.00	-12736.00	868.49	868.49	1875.77	1875.77	-12736.00	2180.97	4559.64	2180.97	2180.97	4559.64	4559.64	61.88	3.14	2.444
4.79	13	SND	1	3	479.13	-11118.10	-1618.00	-1618.00	-450.35	-450.35	-11118.10	-5302.64	-1551.69	-5302.64	-5302.64	-1551.69	-1551.69	199.69	3.38	3.287

Stato limite d'esercizio - Verifiche tensionali

Xg	CC	TCC	El	Sez.	X	N	Mz	My	AfT	AfC	σ _c	σ _f
<m>					<cm>	<daN>	<daNm>	<daNm>	<cmq>	<cmq>	<daN/cmq>	<daN/cmq>
0.00	18	SLE R	1	3	0.00	-14125.00	41.82	183.78	0.00	24.13	19.86	269.95
0.00	20	SLE Q	1	3	0.00	-12164.90	43.76	168.07	0.00	24.13	17.54	236.78
0.00	18	SLE R	1	3	0.00	-14125.00	41.82	183.78	0.00	24.13	19.86	269.95
0.00	20	SLE Q	1	3	0.00	-12164.90	43.76	168.07	0.00	24.13	17.54	236.78
4.79	18	SLE R	1	3	479.13	-13376.40	-59.27	-180.73	0.00	24.13	19.46	262.10
4.79	20	SLE Q	1	3	479.13	-11416.20	-61.15	-163.47	0.00	24.13	17.09	228.54
5.13	18	SLE R	2	3	0.00	-6449.47	159.37	658.14	10.05	14.07	30.46	325.72
5.13	20	SLE Q	2	3	0.00	-5381.72	161.33	600.98	10.05	14.07	28.18	296.88
5.13	18	SLE R	2	3	0.00	-6449.47	159.37	658.14	10.05	14.07	30.46	325.72
5.13	20	SLE Q	2	3	0.00	-5381.72	161.33	600.98	10.05	14.07	28.18	296.88
6.12	18	SLE R	2	3	98.90	-6294.94	14.83	-456.31	8.04	16.09	18.93	217.67
6.12	20	SLE Q	2	3	98.90	-5227.19	18.43	-415.38	8.04	16.09	17.10	193.32

Stato limite ultimo - Verifiche a taglio

X0 <m>	X1 <m>	Staff.	Br _y	Br _z	CC	TCC	b _w ,y <cm>	d _y ,y <cm>	Vsdu,y <daN>	ctgθ _y	VRsd,y <daN>	VRcd,y <daN>	Vrd,y <daN>	b _w ,z <cm>	d _z ,z <cm>	Vsdu,z <daN>	ctgθ _z	VRsd,z <daN>	VRcd,z <daN>	Vrd,z <daN>	Sic.
0.00	0.80	ø6/18	2	2	17	SLU	0.25	0.21	28.78	2.50	5697.89	15631.00	5697.89	0.25	0.21	105.54	2.50	5697.89	15631.00	5697.89	53.990
0.00	0.80	ø6/18	2	2	13	SND	0.25	0.21	226.12	2.50	5697.89	14740.70	5697.89	0.25	0.21	752.73	2.50	5697.89	14740.70	5697.89	7.570
0.00	0.80	ø6/18	2	2	1	SND	0.25	0.21	673.95	2.50	5697.89	14791.60	5697.89	0.25	0.21	251.26	2.50	5697.89	14791.60	5697.89	8.454
0.80	3.99	ø6/18	2	2	17	SLU	0.25	0.21	28.78	2.50	5697.89	15610.30	5697.89	0.25	0.21	105.54	2.50	5697.89	15610.30	5697.89	53.990
0.80	3.99	ø6/18	2	2	13	SND	0.25	0.21	226.12	2.50	5697.89	14724.80	5697.89	0.25	0.21	752.73	2.50	5697.89	14724.80	5697.89	7.570
0.80	3.99	ø6/18	2	2	1	SND	0.25	0.21	673.95	2.50	5697.89	14775.60	5697.89	0.25	0.21	251.26	2.50	5697.89	14775.60	5697.89	8.454
3.99	4.79	ø6/18	2	2	17	SLU	0.25	0.21	28.78	2.50	5697.89	15527.30	5697.89	0.25	0.21	105.54	2.50	5697.89	15527.30	5697.89	53.990
3.99	4.79	ø6/18	2	2	13	SND	0.25	0.21	226.11	2.50	5697.89	14660.90	5697.89	0.25	0.21	752.73	2.50	5697.89	14660.90	5697.89	7.570
3.99	4.79	ø6/18	2	2	1	SND	0.25	0.21	673.95	2.50	5697.89	14711.80	5697.89	0.25	0.21	251.26	2.50	5697.89	14711.80	5697.89	8.454
5.13	6.12	ø8/16	2	2	17	SLU	0.25	0.21	201.23	2.50	11395.80	14268.90	11395.80	0.25	0.21	1553.09	2.50	11395.80	14268.90	11395.80	7.337
5.13	6.12	ø8/16	2	2	13	SND	0.25	0.21	1036.34	2.50	11395.80	13901.30	11395.80	0.25	0.21	10515.00	2.50	11395.80	13901.30	11395.80	1.084
5.13	6.12	ø8/16	2	2	1	SND	0.25	0.21	3118.30	2.50	11395.80	13891.20	11395.80	0.25	0.21	3410.35	2.50	11395.80	13891.20	11395.80	3.342

Pilastrata n. 11

Nodi: 11 111

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
1	R	25.00	50.00	4.20	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	My <daNm>	My ver. <daNm>	Mz <daNm>	Mz ver. <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	α <grad>	ε _y	Sic.
0.00	17	SLU	1	1	0.00	-11122.60	2106.00	2106.00	355.00	355.00	-11122.60	25707.00	4003.51	39.38	4.54	12.182
0.00	17	SLU	1	1	0.00	-11122.60	2106.00	2106.00	355.00	355.00	-11122.60	25707.00	4003.51	39.38	4.54	12.182
4.03	17 (e)	SLU	1	1	402.52	-9487.37	-2098.46	-2098.46	-42.65	-202.08	-9487.37	-27382.10	-2550.11	208.12	5.10	13.045

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	My <daNm>	My ver. <daNm>	Mz <daNm>	Mz ver. <daNm>	Nu <daN>	M'ydy <daNm>	M'ydz <daNm>	α <grad>	ε _y	Sic.
0.00	13	SND	1	1	0.00	-3573.27	18504.20	18504.20	1874.86	1874.86	-3573.27	19142.90	1794.71	28.12	5.35	1.034
0.00	13	SND	1	1	0.00	-3573.27	18504.20	18504.20	1874.86	1874.86	-3573.27	19142.90	1794.71	28.12	5.35	1.034
4.03	13	SND	1	1	402.52	-2315.38	-14502.30	-14502.30	1429.07	1429.07	-2315.38	-18982.60	1782.41	151.88	5.40	1.308

Stato limite d'esercizio - Verifiche tensionali

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ _c <daN/cm q>	σ _f <daN/cm q>
0.00	18	SLE R	1	1	0.00	-8284.23	247.63	1532.34	15.21	22.81	19.07	232.60
0.00	20	SLE Q	1	1	0.00	-6935.50	231.20	1358.56	15.21	22.81	17.05	206.25
0.00	18	SLE R	1	1	0.00	-8284.23	247.63	1532.34	15.21	22.81	19.07	232.60
0.00	20	SLE Q	1	1	0.00	-6935.50	231.20	1358.56	15.21	22.81	17.05	206.25
4.03	18	SLE R	1	1	402.52	-7026.34	-23.50	-1529.45	19.01	19.01	14.73	187.26
4.03	20	SLE Q	1	1	402.52	-5677.61	-25.52	-1318.08	19.01	19.01	12.68	160.05

Stato limite d'esercizio - Verifiche a fessurazione

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	My <daNm>	Mz <daNm>	c <mm>	s <mm>	K ₂	Φ _{eq}	Δ _{sm} <mm>	A _s <cmq>	A _{c eff} <cmq>	σ _s <daN/cmq>	ε _{sm}	Wk <mm>
0.00	20	SLE Q	1	1	0.00	-6935.50	1358.56	231.20	34.00	80.00	0.50	22.00	99.71	3.80	54.79	122.23	0.04	0.01
0.00	19	SLE F	1	1	0.00	-7102.67	1385.94	232.57	34.00	80.00	0.50	22.00	99.66	3.80	54.70	123.42	0.04	0.01
0.00	20	SLE Q	1	1	0.00	-6935.50	1358.56	231.20	34.00	80.00	0.50	22.00	99.71	3.80	54.79	122.23	0.04	0.01
0.00	19	SLE F	1	1	0.00	-7102.67	1385.94	232.57	34.00	80.00	0.50	22.00	99.66	3.80	54.70	123.42	0.04	0.01
4.03	20	SLE Q	1	1	402.52	-5677.61	-1318.08	-25.52	34.00	80.00	0.50	22.00	96.77	11.40	149.15	100.91	0.03	0.00
4.03	19	SLE F	1	1	402.52	-5844.79	-1348.39	-24.93	34.00	80.00	0.50	22.00	96.80	11.40	149.26	102.25	0.03	0.00

Stato limite ultimo - Verifiche a taglio

X0 <m>	X1 <m>	Staff.	Br _y	Br _z	CC	TCC	bw _y <m>	d _y <m>	Vsdu _y <daN>	ctgθ _y	VRsd _y <daN>	VRcd _y <daN>	Vrd _y <daN>	bw _z <m>	d _z <m>	Vsdu _z <daN>	ctgθ _z	VRsd _z <daN>	VRcd _z <daN>	Vrd _z <daN>	Sic.
0.00	0.67	ø6/24	2	2	17	SLU	0.50	0.21	98.79	2.50	4273.42	27732.40	4273.42	0.25	0.46	1044.52	2.50	9459.61	30694.20	9459.61	9.056
0.00	0.67	ø6/24	2	2	13	SND	0.50	0.21	802.49	2.50	4273.42	27539.80	4273.42	0.25	0.46	8199.88	2.50	9459.61	30480.90	9459.61	1.154
0.00	0.67	ø6/24	2	2	1	SND	0.50	0.21	2438.52	2.50	4273.42	27395.50	4273.42	0.25	0.46	2739.47	2.50	9459.61	30321.20	9459.61	1.752
0.67	3.35	ø6/24	2	2	17	SLU	0.50	0.21	98.79	2.50	4273.42	27697.60	4273.42	0.25	0.46	1044.52	2.50	9459.61	30655.60	9459.61	9.056
0.67	3.35	ø6/24	2	2	13	SND	0.50	0.21	802.49	2.50	4273.42	27513.00	4273.42	0.25	0.46	8199.88	2.50	9459.61	30451.20	9459.61	1.154
0.67	3.35	ø6/24	2	2	1	SND	0.50	0.21	2438.52	2.50	4273.42	27368.70	4273.42	0.25	0.46	2739.47	2.50	9459.61	30291.60	9459.61	1.752
3.35	4.03	ø6/24	2	2	17	SLU	0.50	0.21	98.79	2.50	4273.42	27558.20	4273.42	0.25	0.46	1044.52	2.50	9459.61	30501.30	9459.61	9.056
3.35	4.03	ø6/24	2	2	13	SND	0.50	0.21	802.49	2.50	4273.42	27405.70	4273.42	0.25	0.46	8199.88	2.50	9459.61	30332.60	9459.61	1.154
3.35	4.03	ø6/24	2	2	1	SND	0.50	0.21	2438.52	2.50	4273.42	27261.50	4273.42	0.25	0.46	2739.47	2.50	9459.61	30172.90	9459.61	1.752

Pilastrata n. 12

Nodi: 12 -736 212

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf <cm>	Cl _s	F _{ck} <daN/cmq>	F _{ctk} <daN/cmq>	F _{cd} <daN/cmq>	F _{ctd} <daN/cmq>	Tp	F _{yk} <daN/cmq>	F _{yd} <daN/cmq>
	2R	25.00	65.00	4.20	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04
	2R	25.00	65.00	4.40	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	My <daNm>	My ver. <daNm>	Mz <daNm>	Mz ver. <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	α <grad>	ε _r	Sic.
0.00	17(e)	SLU	1	2	0.00	-11979.60	1348.36	1348.36	-91.48	247.38	-11979.60	44906.60	7732.49	64.69	4.26	33.240
0.00	17(e)	SLU	1	2	0.00	-11979.60	1348.36	1348.36	-91.48	247.38	-11979.60	44906.60	7732.49	64.69	4.26	33.240
3.93	17	SLU	1	2	393.00	-9904.12	-433.52	-433.52	-1045.51	-1045.51	-9904.12	-16054.90	267.54	4.96	15.419	
4.13	17(e)	SLU	2	2	0.00	-7453.73	-710.48	-710.48	-75.25	-149.07	-7453.73	-41970.30	-8463.30	247.50	4.29	58.957
4.13	17(e)	SLU	2	2	0.00	-7453.73	-710.48	-710.48	-75.25	149.07	-7453.73	-34622.20	6938.69	123.75	4.59	48.623
4.25	17(e)	SLU	2	2	12.38	-7388.35	-1233.54	-1233.54	-54.79	147.77	-7388.35	-38108.40	4903.42	135.00	5.05	30.927

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	My <daNm>	My ver. <daNm>	Mz <daNm>	Mz ver. <daNm>	Nu <daN>	M'ydy <daNm>	M'ydz <daNm>	α <grad>	ε _r	Sic.
0.00	5	SND	1	2	0.00	-6551.38	32796.90	32796.90	3699.62	3699.62	-6551.38	34482.80	4252.87	56.25	4.94	1.053
0.00	5	SND	1	2	0.00	-6551.38	32796.90	32796.90	3699.62	3699.62	-6551.38	34482.80	4252.87	56.25	4.94	1.053
3.93	5	SND	1	2	393.00	-4954.82	-20068.30	-20068.30	-4538.05	-4538.05	-4954.82	-27499.70	-6585.14	250.31	4.27	1.374
4.13	5	SND	2	2	0.00	-2956.03	-20759.00	-20759.00	-4187.61	-4187.61	-2956.03	-28950.90	-5815.95	247.50	4.40	1.394
4.13	5	SND	2	2	0.00	-2956.03	-20759.00	-20759.00	-4187.61	-4187.61	-2956.03	-22934.50	-4633.24	236.25	4.71	1.105
4.25	5	SND	2	2	12.38	-2905.74	-24752.00	-24752.00	-1662.10	-1662.10	-2905.74	-26914.30	-2267.99	213.75	5.76	1.089

Stato limite d'esercizio - Verifiche tensionali

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ _c <daN/cmq>	σ _f <daN/cmq>
0.00	18	SLE R	1	2	0.00	-9001.60	-52.35	964.01	0.00	49.64	7.33	100.85
0.00	20	SLE Q	1	2	0.00	-7680.74	-88.61	934.53	0.00	49.64	7.07	95.03
0.00	18	SLE R	1	2	0.00	-9001.60	-52.35	964.01	0.00	49.64	7.33	100.85
0.00	20	SLE Q	1	2	0.00	-7680.74	-88.61	934.53	0.00	49.64	7.07	95.03
3.93	18	SLE R	1	2	393.00	-7405.04	-782.51	-294.88	21.02	28.62	14.15	149.22
3.93	20	SLE Q	1	2	393.00	-6084.17	-622.24	-301.72	21.02	28.62	11.55	123.08
4.13	18	SLE R	2	2	0.00	-5568.32	-35.82	-488.89	0.00	49.64	4.24	58.43
4.13	20	SLE Q	2	2	0.00	-4378.17	87.71	-500.29	3.80	45.84	4.33	56.75
4.13	18	SLE R	2	2	0.00	-5568.32	-35.82	-488.89	0.00	43.98	4.66	64.24
4.13	20	SLE Q	2	2	0.00	-4378.17	87.71	-500.29	3.14	40.84	4.77	62.74
4.25	18	SLE R	2	2	12.38	-5518.03	-21.01	-879.68	9.42	34.56	6.11	83.21
4.25	20	SLE Q	2	2	12.38	-4327.88	87.35	-855.05	12.57	31.42	6.53	84.43

Stato limite d'esercizio - Verifiche a fessurazione

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	My <daNm>	Mz <daNm>	c <mm>	s <mm>	K ₂	Φ _{eq}	Δ _{sm} <mm>	A _s <cmq>	A _{c eff} <cmq>	σ _s <daN/cmq>	ε _{sm}	Wk <mm>
4.25	20	SLE Q	2	2	12.38	-4327.88	-855.05	87.35	34.00	81.00	0.50	20.00	103.06	3.14	55.07	34.32	0.01	0.00
4.25	19	SLE F	2	2	12.38	-4481.46	-863.87	64.88	34.00	81.00	0.50	20.00	104.33	3.14	57.06	29.68	0.01	0.00

Stato limite ultimo - Verifiche a taglio

X0 <m>	X1 <m>	Staff.	Br _y	Br _z	CC	TCC	bw _y <m>	d _y <m>	Vsdu _y <daN>	ctgθ _y	VRsd _y <daN>	VRcd _y <daN>	Vrd _y <daN>	bw _z <m>	d _z <m>	Vsdu _z <daN>	ctgθ _z	VRsd _z <daN>	VRcd _z <daN>	Vrd _z <daN>	Sic.
0.00	0.66	ø6/18	2	2	17	SLU	0.65	0.21	242.76	2.50	5697.89	35735.10	5697.89	0.25	0.61	453.40	2.50	16761.80	40432.20	16761.80	23.472
0.00	0.66	ø6/18	2	2	5	SND	0.65	0.21	2095.19	2.50	5697.89	35328.10	5697.89	0.25	0.61	13451.70	2.50	16761.80	39971.70	16761.80	1.246
0.00	0.66	ø6/18	2	2	1	SND	0.65	0.21	3926.23	2.50	5697.89	35400.60	5697.89	0.25	0.61	6543.00	2.50	16761.80	40053.70	16761.80	1.451
0.66	3.27	ø6/18	2	2	17	SLU	0.65	0.21	242.76	2.50	5697.89	35690.90	5697.89	0.25	0.61	453.40	2.50	16761.80	40382.10	16761.80	23.472
0.66	3.27	ø6/18	2	2	5	SND	0.65	0.21	2095.19	2.50	5697.89	35294.10	5697.89	0.25	0.61	13451.70	2.50	16761.80	39933.20	16761.80	1.246
0.66	3.27	ø6/18	2	2	1	SND	0.65	0.21	3926.23	2.50	5697.89	35366.60	5697.89	0.25	0.61	6543.00	2.50	16761.80	40015.20	16761.80	1.451
3.27	3.93	ø6/18	2	2	17	SLU	0.65	0.21	242.76	2.50	5697.89	35514.00	5697.89	0.25	0.61	453.40	2.50	16761.80	40182.00	16761.80	23.472
3.27	3.93	ø6/18	2	2	5	SND	0.65	0.21	2095.19	2.50	5697.89	35158.00	5697.89	0.25	0.61	13451.70	2.50	16761.80	39779.20	16761.80	1.246

Relazione di calcolo

3.27	3.93	ø6/18	2	21	SND	0.65	0.21	3926.23	2.50	5697.89	35230.50	5697.89	0.25	0.61	6543.00	2.50	16761.80	39861.20	16761.80	1.451
4.13	4.25	ø8/ 6	2	217	SLU	0.65	0.21	165.29	2.50	30388.80	35156.40	30388.80	0.25	0.61	4224.88	1.49	53350.10	53350.10	53350.10	12.628
4.13	4.25	ø8/ 6	2	25	SND	0.65	0.21	25913.40	2.50	30388.80	34972.40	30388.80	0.25	0.61	32264.20	1.49	53147.30	53147.30	53147.30	1.173
4.13	4.25	ø8/ 6	2	213	SND	0.65	0.21	25919.20	2.50	30388.80	34945.00	30388.80	0.25	0.61	27509.10	1.49	53117.10	53117.10	53117.10	1.172

Pilastrata n. 13

Nodi: 13 -737 213

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B	H	Cf	Cls	Fck	Fctk	Fcd	Fctd	Tp	Fyk	Fyd
		<cm>	<cm>	<cm>		<daN/cmq>	<daN/cmq>	<daN/cmq>	<daN/cmq>		<daN/cmq>	<daN/cmq>
1	R	25.00	50.00	4.20	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg	CC	TCC	El	Sez.	X	N	My	My ver.	Mz	Mz ver.	Nu	MRdy	MRdz	α	ε _y	Sic.	
<m>					<cm>	<daN>	<daNm>	<daNm>	<daNm>	<daNm>	<daN>	<daNm>	<daNm>	<grad>			
0.00	17	(e)	SLU	1	1	0.00	-26249.20	1354.45	1354.45	-437.05	-542.05	-339029.00	19222.50	-7372.99	298.12	3.55	12.916
0.00	17	(e)	SLU	1	1	0.00	-26249.20	1354.45	1354.45	-437.05	-542.05	-339029.00	19222.50	-7372.99	298.12	3.55	12.916
3.93	17	(e)	SLU	1	1	393.00	-24652.60	-366.64	-509.08	545.18	545.18	-339029.00	-10495.60	11027.10	102.66	3.64	13.752
4.13	17	(e)	SLU	2	1	0.00	-22010.20	-406.27	-440.20	-1499.23	-1499.23	-22010.20	-3826.89	-12494.00	266.48	4.64	8.363
4.13	17	(e)	SLU	2	1	0.00	-22010.20	-406.27	-440.20	-1499.23	-1499.23	-22010.20	-2593.69	-8558.94	266.84	6.68	5.724
5.82	17		SLU	2	1	169.00	-21323.60	-746.08	-746.08	932.27	932.27	-21323.60	-6582.41	8197.82	100.55	4.93	8.805

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg	CC	TCC	El	Sez.	X	N	My	My ver.	Mz	Mz ver.	Nu	M'ydy	M'ydz	α	ε _y	Sic.
<m>					<cm>	<daN>	<daNm>	<daNm>	<daNm>	<daNm>	<daN>	<daNm>	<daNm>	<grad>		
0.00	5	SND	1	1	0.00	-14794.40	16768.10	16768.10	-2539.65	-2539.65	-14794.40	18005.80	-2780.74	320.62	4.60	1.074
0.00	5	SND	1	1	0.00	-14794.40	16768.10	16768.10	-2539.65	-2539.65	-14794.40	18005.80	-2780.74	320.62	4.60	1.074
3.93	9	SND	1	1	393.00	-13048.40	3809.09	3809.09	6181.83	6181.83	-13048.40	5520.96	8920.65	82.27	4.48	1.445
4.13	5	SND	2	1	0.00	-12321.90	-10615.10	-10615.10	-3002.63	-3002.63	-12321.90	-15054.40	-4432.16	236.25	4.05	1.423
4.13	5	SND	2	1	0.00	-12321.90	-10615.10	-10615.10	-3002.63	-3002.63	-12321.90	-11297.80	-2988.02	230.62	5.17	1.059
5.82	5	SND	2	1	169.00	-11793.80	-4615.29	-4615.29	1512.12	1512.12	-11793.80	-10570.80	3290.90	123.75	4.90	2.280

Stato limite d'esercizio - Verifiche tensionali

Xg	CC	TCC	El	Sez.	X	N	Mz	My	AfT	AfC	σ _c	σ _f	
<m>					<cm>	<daN>	<daNm>	<daNm>	<cmq>	<cmq>	<daN/cmq>	<daN/cmq>	
0.00	18	SLE	R	1	1	0.00	-19296.80	-320.93	969.53	0.00	34.05	21.30	279.83
0.00	20	SLE	Q	1	1	0.00	-16684.00	-289.88	887.10	0.00	34.05	18.89	247.27
0.00	18	SLE	R	1	1	0.00	-19296.80	-320.93	969.53	0.00	34.05	21.30	279.83
0.00	20	SLE	Q	1	1	0.00	-16684.00	-289.88	887.10	0.00	34.05	18.89	247.27
3.93	18	SLE	R	1	1	393.00	-18068.70	405.76	-262.35	0.00	34.05	17.39	226.73
3.93	20	SLE	Q	1	1	393.00	-15455.90	369.73	-206.15	0.00	34.05	15.07	195.51
4.13	18	SLE	R	2	1	0.00	-16079.80	-1120.57	-294.02	13.89	20.17	27.76	317.09
4.13	20	SLE	Q	2	1	0.00	-13655.20	-984.89	-237.20	13.89	20.17	24.11	273.58
4.13	18	SLE	R	2	1	0.00	-16079.80	-1120.57	-294.02	9.61	9.61	31.07	356.07
4.13	20	SLE	Q	2	1	0.00	-13655.20	-984.89	-237.20	9.61	9.61	27.01	307.25
5.82	18	SLE	R	2	1	169.00	-15551.60	691.64	-537.99	0.00	19.23	24.43	299.33
5.82	20	SLE	Q	2	1	169.00	-13127.10	599.67	-546.25	3.80	15.43	21.64	264.18

Stato limite ultimo - Verifiche a taglio

X0	X1	Staff.	Br _y	Br _z	CC	TCC	b _{w,y}	d _y	Vsdu _y	ctgθ _y	VRsd _y	VRcd _y	Vrd _y	b _{w,z}	d _z	Vsdu _z	ctgθ _z	VRsd _z	VRcd _z	Vrd _z	Sic.
<m>	<m>						<cm>	<cm>	<daN>		<daN>	<daN>	<daN>	<cm>	<cm>	<daN>		<daN>	<daN>	<daN>	
0.00	0.66	ø6/24	2	217	SLU	0.50	0.21	249.93	2.50	4273.42	29666.60	4273.42	0.25	0.46	437.94	2.50	9459.61	32834.80	9459.61	17.099	
0.00	0.66	ø6/24	2	25	SND	0.50	0.21	1219.82	2.50	4273.42	28666.60	4273.42	0.25	0.46	6987.81	2.50	9459.61	31728.10	9459.61	1.354	
0.00	0.66	ø6/24	2	29	SND	0.50	0.21	3471.15	2.50	4273.42	28769.90	4273.42	0.25	0.46	2429.43	2.50	9459.61	31842.40	9459.61	1.231	
0.66	3.27	ø6/24	2	217	SLU	0.50	0.21	249.93	2.50	4273.42	29632.50	4273.42	0.25	0.46	437.94	2.50	9459.61	32797.20	9459.61	17.099	
0.66	3.27	ø6/24	2	25	SND	0.50	0.21	1219.82	2.50	4273.42	28640.40	4273.42	0.25	0.46	6987.81	2.50	9459.61	31699.10	9459.61	1.354	
0.66	3.27	ø6/24	2	29	SND	0.50	0.21	3471.16	2.50	4273.42	28743.70	4273.42	0.25	0.46	2429.43	2.50	9459.61	31813.50	9459.61	1.231	
3.27	3.93	ø6/24	2	217	SLU	0.50	0.21	249.93	2.50	4273.42	29496.40	4273.42	0.25	0.46	437.94	2.50	9459.61	32646.60	9459.61	17.099	
3.27	3.93	ø6/24	2	25	SND	0.50	0.21	1219.82	2.50	4273.42	28535.70	4273.42	0.25	0.46	6987.82	2.50	9459.61	31583.30	9459.61	1.354	
3.27	3.93	ø6/24	2	29	SND	0.50	0.21	3471.16	2.50	4273.42	28639.10	4273.42	0.25	0.46	2429.43	2.50	9459.61	31697.60	9459.61	1.231	
4.13	4.63	ø6/18	2	217	SLU	0.50	0.21	1438.76	2.50	5697.89	29124.60	5697.89	0.25	0.46	201.07	2.50	12612.80	32234.90	12612.80	3.960	
4.13	4.63	ø6/18	2	25	SND	0.50	0.21	2669.33	2.50	5697.89	28225.30	5697.89	0.25	0.46	3926.83	2.50	12612.80	31239.70	12612.80	2.135	
4.13	4.63	ø6/18	2	21	SND	0.50	0.21	3851.74	2.50	5697.89	28476.50	5697.89	0.25	0.46	1540.68	2.50	12612.80	31517.70	12612.80	1.479	
4.63	5.32	ø6/18	2	217	SLU	0.50	0.21	1438.76	2.50	5697.89	29098.60	5697.89	0.25	0.46	201.07	2.50	12612.80	32206.20	12612.80	3.960	
4.63	5.32	ø6/18	2	25	SND	0.50	0.21	2669.33	2.50	5697.89	28205.30	5697.89	0.25	0.46	3926.83	2.50	12612.80	31217.60	12612.80	2.135	
4.63	5.32	ø6/18	2	21	SND	0.50	0.21	3851.74	2.50	5697.89	28456.60	5697.89	0.25	0.46	1540.68	2.50	12612.80	31495.60	12612.80	1.479	
5.32	5.82	ø6/18	2	217	SLU	0.50	0.21	1438.76	2.50	5697.89	29062.70	5697.89	0.25	0.46	201.07	2.50	12612.80	32166.50	12612.80	3.960	
5.32	5.82	ø6/18	2	25	SND	0.50	0.21	2669.33	2.50	5697.89	28177.80	5697.89	0.25	0.46	3926.83	2.50	12612.80	31187.00	12612.80	2.135	
5.32	5.82	ø6/18	2	21	SND	0.50	0.21	3851.74	2.50	5697.89	28429.00	5697.89	0.25	0.46	1540.68	2.50	12612.80	31465.10	12612.80	1.479	

Pilastrata n. 14

Nodi: 14 214

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B	H	Cf	Cls	Fck	Fctk	Fcd	Fctd	Tp	Fyk	Fyd
		<cm>	<cm>	<cm>		<daN/cmq>	<daN/cmq>	<daN/cmq>	<daN/cmq>		<daN/cmq>	<daN/cmq>
1	R	25.00	50.00	4.10	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg	CC	TCC	El	Sez.	X	N	My	My ver.	Mz	Mz ver.	Nu	MRdy	MRdz	α	ε _y	Sic.
<m>					<cm>	<daN>	<daNm>	<daNm>	<daNm>	<daNm>	<daN>	<daNm>	<daNm>	<grad>		
0.00	17 (e)	SLU	1	1	0.00	-11527.90	2488.83	2488.83	-129.66	-291.08	-11527.90	23026.00	-2959.08	326.25	5.09	9.265
0.00	17 (e)	SLU	1	1	0.00	-11527.90	2488.83	2488.83	-129.66	-291.08	-11527.90	23026.00	-2959.08	326.25	5.09	9.265
4.81	17 (e)	SLU	1	1	481.00	-9573.82	-2289.49	-2289.49	52.90	-241.74	-9573.82	-23642.10	-2303.88	208.12	5.46	10.318

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	My <daNm>	My ver. <daNm>	Mz <daNm>	Mz ver. <daNm>	Nu <daN>	M'ydy <daNm>	M'ydz <daNm>	α <grad>	ε _y	Sic.
0.00	13	SND	1	1	0.00	-5906.15	16000.60	16000.60	-1644.83	-1644.83	-5906.15	16528.50	-1677.04	331.88	5.69	1.033
0.00	13	SND	1	1	0.00	-5906.15	16000.60	16000.60	-1644.83	-1644.83	-5906.15	16528.50	-1677.04	331.88	5.69	1.033
4.81	13	SND	1	1	481.00	-4403.03	-12993.60	-12993.60	1110.29	1110.29	-4403.03	-16857.00	1372.47	157.50	6.24	1.297

Stato limite d'esercizio - Verifiche tensionali

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ _c <daN/cm q>	σ _f <daN/cm q>
0.00	18	SLE R	1	1	0.00	-8484.47	-93.40	1793.95	12.57	18.85	19.98	250.78
0.00	20	SLE Q	1	1	0.00	-7436.61	-74.54	1645.78	15.71	15.71	18.03	226.05
0.00	18	SLE R	1	1	0.00	-8484.47	-93.40	1793.95	12.57	18.85	19.98	250.78
0.00	20	SLE Q	1	1	0.00	-7436.61	-74.54	1645.78	15.71	15.71	18.03	226.05
4.81	18	SLE R	1	1	481.00	-6981.34	36.76	-1648.39	15.71	15.71	17.20	216.47
4.81	20	SLE Q	1	1	481.00	-5933.49	23.51	-1506.96	15.71	15.71	15.41	193.26

Stato limite d'esercizio - Verifiche a fessurazione

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	My <daNm>	Mz <daNm>	c <mm>	s <mm>	K ₂	Φ _{eq}	Δ _{sm} <mm>	A _s <cmq>	A _{c eff} <cmq>	σ _s <daN/cmq>	ε _{sm}	Wk <mm>	
0.00	20	SLE	Q	1	1	0.00	-7436.61	1645.78	-74.54	34.00	81.01	0.50	20.00	107.64	6.28	124.54	146.27	0.04	0.01
0.00	19	SLE	F	1	1	0.00	-7567.60	1667.34	-76.75	34.00	81.01	0.50	20.00	107.23	6.28	123.26	147.62	0.04	0.01
0.00	20	SLE	Q	1	1	0.00	-7436.61	1645.78	-74.54	34.00	81.01	0.50	20.00	107.64	6.28	124.54	146.27	0.04	0.01
0.00	19	SLE	F	1	1	0.00	-7567.60	1667.34	-76.75	34.00	81.01	0.50	20.00	107.23	6.28	123.26	147.62	0.04	0.01
4.81	20	SLE	Q	1	1	481.00	-5933.49	-1506.96	23.51	34.00	81.01	0.50	20.00	103.92	9.42	169.29	146.90	0.04	0.01
4.81	19	SLE	F	1	1	481.00	-6064.47	-1526.77	25.16	34.00	81.01	0.50	20.00	103.54	9.42	167.49	147.74	0.04	0.01

Stato limite ultimo - Verifiche a taglio

X0 <m>	X1 <m>	Staff.	Br _y	Br _z	CC	TCC	bw _{,y} <cm>	d _{,y} <cm>	Vsdu _{,y} <daN>	ctgθ _{,y}	VRsd _{,y} <daN>	VRcd _{,y} <daN>	Vrd _{,y} <daN>	bw _{,z} <cm>	d _{,z} <cm>	Vsdu _{,z} <daN>	ctgθ _{,z}	VRsd _{,z} <daN>	VRcd _{,z} <daN>	Vrd _{,z} <daN>	Sic.
0.00	0.80	ø6/24	2	2	17	SLU	0.50	0.21	37.96	2.50	4273.42	27784.30	4273.42	0.25	0.46	993.41	2.50	9459.61	30751.50	9459.61	9.522
0.00	0.80	ø6/24	2	2	13	SND	0.50	0.21	572.77	2.50	4273.42	27443.60	4273.42	0.25	0.46	6027.91	2.50	9459.61	30374.50	9459.61	1.569
0.00	0.80	ø6/24	2	2	9	SND	0.50	0.21	1608.99	2.50	4273.42	27326.80	4273.42	0.25	0.46	2505.19	2.50	9459.61	30245.20	9459.61	2.656
0.80	4.01	ø6/24	2	2	17	SLU	0.50	0.21	37.96	2.50	4273.42	27742.60	4273.42	0.25	0.46	993.41	2.50	9459.61	30705.40	9459.61	9.522
0.80	4.01	ø6/24	2	2	13	SND	0.50	0.21	572.78	2.50	4273.42	27411.50	4273.42	0.25	0.46	6027.91	2.50	9459.61	30339.00	9459.61	1.569
0.80	4.01	ø6/24	2	2	9	SND	0.50	0.21	1608.99	2.50	4273.42	27294.80	4273.42	0.25	0.46	2505.19	2.50	9459.61	30209.70	9459.61	2.656
4.01	4.81	ø6/24	2	2	17	SLU	0.50	0.21	37.96	2.50	4273.42	27576.10	4273.42	0.25	0.46	993.41	2.50	9459.61	30521.10	9459.61	9.522
4.01	4.81	ø6/24	2	2	13	SND	0.50	0.21	572.78	2.50	4273.42	27283.40	4273.42	0.25	0.46	6027.91	2.50	9459.61	30197.20	9459.61	1.569
4.01	4.81	ø6/24	2	2	9	SND	0.50	0.21	1608.99	2.50	4273.42	27166.60	4273.42	0.25	0.46	2505.19	2.50	9459.61	30067.90	9459.61	2.656

Pilastrata n. 15

Nodi: 15 215

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	TP	Fyk <daN/cmq>	Fyd <daN/cmq>
2R		25.00	65.00	4.20	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	My <daNm>	My ver. <daNm>	Mz <daNm>	Mz ver. <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	α <grad>	ε _y	Sic.
0.00	17	SLU	1	2	0.00	-8282.10	-2524.16	-2524.16	-727.80	-727.80	-8282.10	-35744.40	-10385.20	253.12	4.12	14.169
0.00	17	SLU	1	2	0.00	-8282.10	-2524.16	-2524.16	-727.80	-727.80	-8282.10	-35744.40	-10385.20	253.12	4.12	14.169
4.25	17	SLU	1	2	425.38	-6035.56	-1177.33	-1177.33	519.37	519.37	-6035.56	-28824.40	12189.10	102.66	4.13	24.320

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	My <daNm>	My ver. <daNm>	Mz <daNm>	Mz ver. <daNm>	Nu <daN>	M'ydy <daNm>	M'ydz <daNm>	α <grad>	ε _y	Sic.
0.00	1	SND	1	2	0.00	260.60	28462.90	28462.90	-4381.18	-4381.18	260.60	31192.70	-4706.69	298.12	4.75	1.095
0.00	1	SND	1	2	0.00	260.60	28462.90	28462.90	-4381.18	-4381.18	260.60	31192.70	-4706.69	298.12	4.75	1.095
4.25	5	SND	1	2	425.38	-1567.04	-8948.12	-8948.12	8768.55	8768.55	-1567.04	-11258.70	11332.80	95.62	4.72	1.275

Stato limite d'esercizio - Verifiche tensionali

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ _c <daN/cm q>	σ _f <daN/cm q>	
0.00	18	SLE	R	1	2	0.00	-6315.24	-525.04	-1853.89	21.02	28.62	16.49	190.27
0.00	20	SLE	Q	1	2	0.00	-5426.12	-500.24	-1669.03	21.02	28.62	15.26	174.20
0.00	18	SLE	R	1	2	0.00	-6315.24	-525.04	-1853.89	21.02	28.62	16.49	190.27
0.00	20	SLE	Q	1	2	0.00	-5426.12	-500.24	-1669.03	21.02	28.62	15.26	174.20
4.25	18	SLE	R	1	2	425.38	-4587.13	379.34	-869.84	17.22	32.42	9.92	113.56
4.25	20	SLE	Q	1	2	425.38	-3698.02	363.41	-642.11	24.82	24.82	8.66	96.39

Stato limite d'esercizio - Verifiche a fessurazione

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	My <daNm>	Mz <daNm>	c <mm>	s <mm>	K ₂	Φ _{eq}	Δ _{sm} <mm>	A _s <cmq>	A _{c eff} <cmq>	σ _s <daN/cm q>	ε _{sm}	Wk <mm>	
0.00	20	SLE	Q	1	2	0.00	-5426.12	-1669.03	-500.24	34.00	228.02	0.50	20.83	157.32	3.80	78.75	145.39	0.04	0.01
0.00	19	SLE	F	1	2	0.00	-5536.19	-1693.80	-505.62	34.00	228.02	0.50	20.83	157.22	3.80	78.37	146.54	0.04	0.01
0.00	20	SLE	Q	1	2	0.00	-5426.12	-1669.03	-500.24	34.00	228.02	0.50	20.83	157.32	3.80	78.75	145.39	0.04	0.01
0.00	19	SLE	F	1	2	0.00	-5536.19	-1693.80	-505.62	34.00	228.02	0.50	20.83	157.22	3.80	78.37	146.54	0.04	0.01

Relazione di calcolo

4.25	20	SLE Q	1	2	425.38	-3698.02	-642.11	363.41	34.00	228.02	0.50	21.08	122.32	3.80	80.62	70.45	0.02	0.00
4.25	19	SLE F	1	2	425.38	-3808.08	-667.80	367.56	34.00	228.02	0.50	21.08	122.78	3.80	79.02	71.25	0.02	0.00

Stato limite ultimo - Verifiche a taglio

X0 <m>	X1 <m>	Staff.	Br _y	Br _z	CC	TCC	b _{w,y} <m>	d _y <m>	Vsdu _y <daN>	ctgθ _y	VRsd _y <daN>	VRcd _y <daN>	Vrd _y <daN>	b _{w,z} <m>	d _z <m>	Vsdu _z <daN>	ctgθ _z	VRsd _z <daN>	VRcd _z <daN>	Vrd _z <daN>	Sic.
0.00	0.71	ø6/18	2	2	17	SLU	0.65	0.21	293.19	2.50	5697.89	35262.30	5697.89	0.25	0.61	316.62	2.50	16761.80	39897.30	16761.80	19.434
0.00	0.71	ø6/18	2	2	9	SND	0.65	0.21	1662.12	2.50	5697.89	35624.30	5697.89	0.25	0.61	12155.80	2.50	16761.80	40306.80	16761.80	1.379
0.00	0.71	ø6/18	2	2	5	SND	0.65	0.21	4102.21	2.50	5697.89	35150.10	5697.89	0.25	0.61	4642.40	2.50	16761.80	39770.30	16761.80	1.389
0.71	3.54	ø6/18	2	2	17	SLU	0.65	0.21	293.19	2.50	5697.89	35214.50	5697.89	0.25	0.61	316.62	2.50	16761.80	39843.10	16761.80	19.434
0.71	3.54	ø6/18	2	2	9	SND	0.65	0.21	1662.12	2.50	5697.89	35587.40	5697.89	0.25	0.61	12155.80	2.50	16761.80	40265.10	16761.80	1.379
0.71	3.54	ø6/18	2	2	5	SND	0.65	0.21	4102.21	2.50	5697.89	35113.30	5697.89	0.25	0.61	4642.40	2.50	16761.80	39728.60	16761.80	1.389
3.54	4.25	ø6/18	2	2	17	SLU	0.65	0.21	293.19	2.50	5697.89	35023.00	5697.89	0.25	0.61	316.62	2.50	16761.80	39626.40	16761.80	19.434
3.54	4.25	ø6/18	2	2	9	SND	0.65	0.21	1662.12	2.50	5697.89	35440.10	5697.89	0.25	0.61	12155.80	2.50	16761.80	40098.40	16761.80	1.379
3.54	4.25	ø6/18	2	2	5	SND	0.65	0.21	4102.21	2.50	5697.89	34966.00	5697.89	0.25	0.61	4642.40	2.50	16761.80	39561.90	16761.80	1.389

Pilastrata n. 16

Nodi: 16 216

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
1R		25.00	50.00	4.10	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	My <daNm>	My ver. <daNm>	Mz <daNm>	Mz ver. <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	α <grad>	ε _y	Sic.
0.00	17	SLU	1	1	0.00	-16062.00	-992.09	-992.09	-630.43	-630.43	-16062.00	-13850.30	-8599.50	250.31	3.87	13.869
0.00	17	SLU	1	1	0.00	-16062.00	-992.09	-992.09	-630.43	-630.43	-16062.00	-13850.30	-8599.50	250.31	3.87	13.869
5.67	17(e)	SLU	1	1	567.23	-13757.60	1121.11	1121.11	372.07	405.75	-13757.60	18248.40	6344.93	59.06	4.06	16.204

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	My <daNm>	My ver. <daNm>	Mz <daNm>	Mz ver. <daNm>	Nu <daN>	M'ydy <daNm>	M'yzd <daNm>	α <grad>	ε _y	Sic.
0.00	9	SND	1	1	0.00	-3710.20	-15508.60	-15508.60	-1395.79	-1395.79	-3710.20	-16764.10	-1376.51	202.50	6.29	1.080
0.00	9	SND	1	1	0.00	-3710.20	-15508.60	-15508.60	-1395.79	-1395.79	-3710.20	-16764.10	-1376.51	202.50	6.29	1.080
5.67	9	SND	1	1	567.23	-1937.61	14385.40	14385.40	1232.50	1232.50	-1937.61	16509.30	1384.97	22.50	6.41	1.147

Stato limite d'esercizio - Verifiche tensionali

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ _c <daN/cmq>	σ _ε <daN/cmq>
0.00	18	SLE R	1	1	0.00	-12001.50	-449.18	-721.06	3.14	28.27	18.15	225.46
0.00	20	SLE Q	1	1	0.00	-10468.00	-424.92	-608.26	3.14	28.27	16.22	200.14
0.00	18	SLE R	1	1	0.00	-12001.50	-449.18	-721.06	3.14	28.27	18.15	225.46
0.00	20	SLE Q	1	1	0.00	-10468.00	-424.92	-608.26	3.14	28.27	16.22	200.14
5.67	18	SLE R	1	1	567.23	-10228.90	267.80	813.07	3.14	28.27	15.09	191.85
5.67	20	SLE Q	1	1	567.23	-8695.36	251.83	670.78	3.14	28.27	13.06	165.04

Stato limite ultimo - Verifiche a taglio

X0 <m>	X1 <m>	Staff.	Br _y	Br _z	CC	TCC	b _{w,y} <m>	d _y <m>	Vsdu _y <daN>	ctgθ _y	VRsd _y <daN>	VRcd _y <daN>	Vrd _y <daN>	b _{w,z} <m>	d _z <m>	Vsdu _z <daN>	ctgθ _z	VRsd _z <daN>	VRcd _z <daN>	Vrd _z <daN>	Sic.
0.00	0.95	ø6/24	2	2	17	SLU	0.50	0.21	176.74	2.50	4273.42	28364.00	4273.42	0.25	0.46	372.55	2.50	9459.61	31393.20	9459.61	24.180
0.00	0.95	ø6/24	2	2	9	SND	0.50	0.21	463.32	2.50	4273.42	28478.20	4273.42	0.25	0.46	5270.14	2.50	9459.61	31519.60	9459.61	1.795
0.00	0.95	ø6/24	2	2	5	SND	0.50	0.21	1276.01	2.50	4273.42	28302.30	4273.42	0.25	0.46	1738.92	2.50	9459.61	31324.90	9459.61	3.349
0.95	4.73	ø6/24	2	2	17	SLU	0.50	0.21	176.74	2.50	4273.42	28314.90	4273.42	0.25	0.46	372.55	2.50	9459.61	31338.80	9459.61	24.180
0.95	4.73	ø6/24	2	2	9	SND	0.50	0.21	463.32	2.50	4273.42	28440.40	4273.42	0.25	0.46	5270.14	2.50	9459.61	31477.80	9459.61	1.795
0.95	4.73	ø6/24	2	2	5	SND	0.50	0.21	1276.01	2.50	4273.42	28264.50	4273.42	0.25	0.46	1738.92	2.50	9459.61	31283.10	9459.61	3.349
4.73	5.67	ø6/24	2	2	17	SLU	0.50	0.21	176.74	2.50	4273.42	28118.50	4273.42	0.25	0.46	372.55	2.50	9459.61	31121.40	9459.61	24.180
4.73	5.67	ø6/24	2	2	9	SND	0.50	0.21	463.32	2.50	4273.42	28289.30	4273.42	0.25	0.46	5270.14	2.50	9459.61	31310.50	9459.61	1.795
4.73	5.67	ø6/24	2	2	5	SND	0.50	0.21	1276.01	2.50	4273.42	28113.40	4273.42	0.25	0.46	1738.92	2.50	9459.61	31115.90	9459.61	3.349

Pilastrata n. 17

Nodi: 17 217

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
2R		25.00	65.00	4.20	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	α <grad>	ε _y	Sic.
0.00	17	SLU	1	2	0.00	-17219.40	-926.29	-1515.62	-17219.40	-10700.00	-17782.20	265.08	4.47	11.684
0.00	17	SLU	1	2	0.00	-17219.40	-926.29	-1515.62	-17219.40	-10700.00	-17782.20	265.08	4.47	11.684
4.81	17	SLU	1	2	481.00	-14679.10	1012.22	1142.21	-14679.10	14910.80	17036.10	82.27	4.11	14.834

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	M'ydy <daNm>	M'yzd <daNm>	α <grad>	ε _y	Sic.
0.00	9	SND	1	2	0.00	-8471.56	-30982.80	-3013.15	-8471.56	-31705.60	-3126.62	219.38	4.92	1.023
0.00	9	SND	1	2	0.00	-8471.56	-30982.80	-3013.15	-8471.56	-31705.60	-3126.62	219.38	4.92	1.023
4.81	9	SND	1	2	481.00	-6517.50	22550.30	2756.15	-6517.50	30327.50	3685.71	45.00	4.72	1.345

Stato limite d'esercizio - Verifiche tensionali

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ _c <daN/cmq>	σ _f <daN/cmq>
0.00	18	SLE R	1	2	0.00	-12844.30	-1089.84	-664.20	22.81	30.41	20.12	226.42
0.00	20	SLE Q	1	2	0.00	-11231.80	-1011.59	-524.81	22.81	30.41	18.14	201.60
0.00	18	SLE R	1	2	0.00	-12844.30	-1089.84	-664.20	22.81	30.41	20.12	226.42
0.00	20	SLE Q	1	2	0.00	-11231.80	-1011.59	-524.81	22.81	30.41	18.14	201.60
4.81	18	SLE R	1	2	481.00	-10890.20	827.59	725.78	19.01	34.21	16.48	189.74
4.81	20	SLE Q	1	2	481.00	-9277.74	768.98	556.24	22.81	30.41	14.64	165.82

Stato limite ultimo - Verifiche a taglio

X0 <m>	X1 <m>	Staff.	Br _y	Br _z	CC	TCC	bw _y <m>	d _y <m>	Vsdu _y <daN>	ctgθ _y	VRsd _y <daN>	VRcd _y <daN>	Vrd _y <daN>	bw _z <m>	d _z <m>	Vsdu _z <daN>	ctgθ _z	VRsd _z <daN>	VRcd _z <daN>	Vrd _z <daN>	Sic.
0.00	0.80	ø6/24	2	2	17	SLU	0.65	0.21	552.57	2.50	4273.42	36405.10	4273.42	0.25	0.61	403.02	2.50	12571.30	41190.20	12571.30	7.734
0.00	0.80	ø6/24	2	2	9	SND	0.65	0.21	1199.36	2.50	4273.42	36033.00	4273.42	0.25	0.61	11129.50	2.50	12571.30	40769.20	12571.30	1.130
0.00	0.80	ø6/24	2	2	13	SND	0.65	0.21	2786.75	2.50	4273.42	36236.10	4273.42	0.25	0.61	4399.16	2.50	12571.30	40999.10	12571.30	1.533
0.80	4.01	ø6/24	2	2	17	SLU	0.65	0.21	552.57	2.50	4273.42	36350.90	4273.42	0.25	0.61	403.02	2.50	12571.30	41129.00	12571.30	7.734
0.80	4.01	ø6/24	2	2	9	SND	0.65	0.21	1199.36	2.50	4273.42	35991.40	4273.42	0.25	0.61	11129.50	2.50	12571.30	40722.10	12571.30	1.130
0.80	4.01	ø6/24	2	2	13	SND	0.65	0.21	2786.75	2.50	4273.42	36194.50	4273.42	0.25	0.61	4399.16	2.50	12571.30	40951.90	12571.30	1.533
4.01	4.81	ø6/24	2	2	17	SLU	0.65	0.21	552.57	2.50	4273.42	36134.40	4273.42	0.25	0.61	403.02	2.50	12571.30	40884.00	12571.30	7.734
4.01	4.81	ø6/24	2	2	9	SND	0.65	0.21	1199.36	2.50	4273.42	35824.80	4273.42	0.25	0.61	11129.50	2.50	12571.30	40533.70	12571.30	1.130
4.01	4.81	ø6/24	2	2	13	SND	0.65	0.21	2786.75	2.50	4273.42	36027.90	4273.42	0.25	0.61	4399.16	2.50	12571.30	40763.50	12571.30	1.533

Pilastrata n. 18

Nodi: 18 118 218

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
	2R	25.00	65.00	4.10	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04
	2R	25.00	65.00	4.30	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	My <daNm>	My ver. <daNm>	Mz <daNm>	Mz ver. <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	α <grad>	ε _r	Sic.
0.00	17 (e)	SLU	1	2	0.00	-20045.60	-448.01	514.17	-1258.80	-1258.80	-20045.60	5924.82	-13971.70	273.16	5.36	11.161
0.00	17 (e)	SLU	1	2	0.00	-20045.60	-448.01	514.17	-1258.80	-1258.80	-20045.60	5924.82	-13971.70	273.16	5.36	11.161
4.79	17 (e)	SLU	1	2	479.13	-17515.20	-167.72	-449.26	462.13	462.13	-415020.00	-12655.90	12930.90	97.73	4.61	23.695
5.13	17	SLU	2	2	0.00	-9342.51	354.60	354.60	676.51	676.51	-9342.51	6923.39	13179.30	86.13	5.72	19.491
5.13	17	SLU	2	2	0.00	-9342.51	354.60	354.60	676.51	676.51	-9342.51	6381.47	11957.40	86.13	6.30	17.745
6.12	17 (e)	SLU	2	2	98.90	-8820.22	887.71	887.71	82.25	-176.40	-8820.22	28965.30	-5772.97	303.75	5.07	32.633

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	My <daNm>	My ver. <daNm>	Mz <daNm>	Mz ver. <daNm>	Nu <daN>	M'ydy <daNm>	M'ydz <daNm>	α <grad>	ε _r	Sic.
0.00	9	SND	1	2	0.00	-11771.70	-24195.30	-24195.30	-2069.36	-2069.36	-11771.70	-26120.80	-2107.83	213.75	5.89	1.079
0.00	9	SND	1	2	0.00	-11771.70	-24195.30	-24195.30	-2069.36	-2069.36	-11771.70	-26120.80	-2107.83	213.75	5.89	1.079
4.79	9	SND	1	2	479.13	-9825.28	13741.40	13741.40	977.18	977.18	-9825.28	25797.70	2095.40	33.75	5.99	1.879
5.13	5	SND	2	2	0.00	-2966.72	-4700.35	-4700.35	5117.95	5117.95	-2966.72	-8431.00	9089.35	96.68	5.41	1.784
5.13	5	SND	2	2	0.00	-2966.72	-4700.35	-4700.35	5117.95	5117.95	-2966.72	-7595.96	8337.82	96.33	6.01	1.623
6.12	13	SND	2	2	98.90	-3350.91	5712.16	5712.16	8337.97	8337.97	-3350.91	6180.17	8781.01	85.08	6.33	1.062

Stato limite d'esercizio - Verifiche tensionali

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ _c <daN/cmq>	σ _f <daN/cmq>
0.00	18	SLE R	1	2	0.00	-14920.30	-907.30	-330.62	9.42	28.27	18.59	219.85
0.00	20	SLE Q	1	2	0.00	-13080.30	-844.71	-262.30	12.57	25.13	16.89	197.62
0.00	18	SLE R	1	2	0.00	-14920.30	-907.30	-330.62	9.42	28.27	18.59	219.85
0.00	20	SLE Q	1	2	0.00	-13080.30	-844.71	-262.30	12.57	25.13	16.89	197.62
4.79	18	SLE R	1	2	479.13	-12973.80	337.01	-130.62	0.00	37.70	10.08	130.89
4.79	20	SLE Q	1	2	479.13	-11133.80	326.43	-148.49	0.00	37.70	9.19	118.08
5.13	18	SLE R	2	2	0.00	-7047.42	457.38	266.64	12.57	25.13	9.74	114.41
5.13	20	SLE Q	2	2	0.00	-6059.65	290.26	260.04	3.14	34.56	7.04	86.33
5.13	18	SLE R	2	2	0.00	-7047.42	457.38	266.64	9.17	23.50	9.96	117.37
5.13	20	SLE Q	2	2	0.00	-6059.65	290.26	260.04	3.14	29.53	7.22	88.70
6.12	18	SLE R	2	2	98.90	-6645.65	74.59	664.88	0.00	32.67	6.64	89.87
6.12	20	SLE Q	2	2	98.90	-5657.88	152.28	623.47	3.14	29.53	6.98	90.25

Stato limite ultimo - Verifiche a taglio

X0 <m>	X1 <m>	Staff.	Br _y	Br _z	CC	TCC	bw _y <m>	d _y <m>	Vsdu _y <daN>	ctgθ _y	VRsd _y <daN>	VRcd _y <daN>	Vrd _y <daN>	bw _z <m>	d _z <m>	Vsdu _z <daN>	ctgθ _z	VRsd _z <daN>	VRcd _z <daN>	Vrd _z <daN>	Sic.
0.00	0.80	ø6/24	2	2	17	SLU	0.65	0.21	359.18	2.50	4273.42	36766.40	4273.42	0.25	0.61	58.50	2.50	12571.30	41599.10	12571.30	11.898
0.00	0.80	ø6/24	2	2	9	SND	0.65	0.21	631.79	2.50	4273.42	36063.30	4273.42	0.25	0.61	7915.66	2.50	12571.30	40803.50	12571.30	1.588
0.00	0.80	ø6/24	2	2	13	SND	0.65	0.21	1189.25	2.50	4273.42	36416.00	4273.42	0.25	0.61	3247.62	2.50	12571.30	41202.60	12571.30	3.593
0.80	3.99	ø6/24	2	2	17	SLU	0.65	0.21	359.18	2.50	4273.42	36712.50	4273.42	0.25	0.61	58.50	2.50	12571.30	41538.10	12571.30	11.898
0.80	3.99	ø6/24	2	2	9	SND	0.65	0.21	631.79	2.50	4273.42	36021.80	4273.42	0.25	0.61	7915.66	2.50	12571.30	40756.60	12571.30	1.588
0.80	3.99	ø6/24	2	2	13	SND	0.65	0.21	1189.25	2.50	4273.42	36374.50	4273.42	0.25	0.61	3247.62	2.50	12571.30	41155.60	12571.30	3.593
3.99	4.79	ø6/24	2	2	17	SLU	0.65	0.21	359.18	2.50	4273.42	36496.80	4273.42	0.25	0.61	58.50	2.50	12571.30	41294.00	12571.30	11.898
3.99	4.79	ø6/24	2	2	9	SND	0.65	0.21	631.79	2.50	4273.42	35855.90	4273.42	0.25	0.61	7915.66	2.50	12571.30	40568.80	12571.30	1.588
3.99	4.79	ø6/24	2	2	13	SND	0.65	0.21	1189.25	2.50	4273.42	36208.60	4273.42	0.25	0.61	3247.62	2.50	12571.30	40967.90	12571.30	3.593
5.13	6.12	ø8/12	2	2	17	SLU	0.65	0.21	600.90	2.50	15194.40	35397.90	15194.40	0.25	0.61	539.06	2.34	41916.00	41916.00	41916.00	25.286
5.13	6.12	ø8/12	2	2	9	SND	0.65	0.21	4980.51	2.50	15194.40	35329.70	15194.40	0.25	0.61	4255.32	2.34	41868.20	41868.20	41868.20	3.051
5.13	6.12	ø8/12	2	2	5	SND	0.65	0.21	13205.40	2.50	15194.40	35273.10	15194.40	0.25	0.61	2912.99	2.34	41828.60	41828.60	41828.60	1.151

Pilastrata n. 19

Nodi: 19 119

Caratteristiche delle sezioni e dei materiali utilizzati

Sez.	Tipo	B <cm>	H <cm>	Cf <cm>	Cls	Fck <daN/cm²>	Fctk <daN/cm²>	Fcd <daN/cm²>	Fctd <daN/cm²>	Tp	Fyk <daN/cm²>	Fyd <daN/cm²>
2R		25.00	65.00	4.10	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	α <grad>	ε _y	Sic.
0.00	17	SLU	1	2	0.00	-10741.40	1211.49	-1286.56	-10741.40	13245.10	-14392.90	277.73	4.65	11.068
0.00	17	SLU	1	2	0.00	-10741.40	1211.49	-1286.56	-10741.40	13245.10	-14392.90	277.73	4.65	11.068
4.03	17	SLU	1	2	402.52	-8615.53	456.57	388.48	-8615.53	16164.90	13787.10	79.80	4.41	35.441

Stato limite elastico - Verifiche a flessione/pressoflessione

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	M'ydy <daNm>	M'ydz <daNm>	α <grad>	ε _y	Sic.
0.00	9	SND	1	2	0.00	-4356.95	-23735.70	-3726.90	-4356.95	-24382.20	-3881.56	230.62	4.88	1.028
0.00	9	SND	1	2	0.00	-4356.95	-23735.70	-3726.90	-4356.95	-24382.20	-3881.56	230.62	4.88	1.028
4.03	9	SND	1	2	402.52	-2721.69	12844.70	2718.64	-2721.69	22904.00	4629.04	56.25	4.72	1.780

Stato limite d'esercizio - Verifiche tensionali

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	Mz <daNm>	My <daNm>	AfT <cmq>	AfC <cmq>	σ _c <daN/cm²>	σ _f <daN/cm²>
0.00	18	SLE R	1	2	0.00	-8076.39	-939.18	868.49	21.99	21.99	19.84	216.19
0.00	20	SLE Q	1	2	0.00	-6920.14	-896.68	785.75	21.99	21.99	18.66	199.94
0.00	18	SLE R	1	2	0.00	-8076.39	-939.18	868.49	21.99	21.99	19.84	216.19
0.00	20	SLE Q	1	2	0.00	-6920.14	-896.68	785.75	21.99	21.99	18.66	199.94
4.03	18	SLE R	1	2	402.52	-6441.13	291.48	346.97	3.14	40.84	7.25	89.63
4.03	20	SLE Q	1	2	402.52	-5284.89	353.64	315.84	12.57	31.42	7.64	90.09

Stato limite d'esercizio - Verifiche a fessurazione

Xg <m>	CC	TCC	El	Sez.	X <cm>	N <daN>	My <daNm>	Mz <daNm>	c <mm>	s <mm>	K ₂	Φ _{eq}	Δ _{sm} <mm>	A _s <cmq>	A _{c eff} <cmq>	σ _s <daN/cm²>	ε _{sm}	Wk <mm>
0.00	20	SLE Q	1	2	0.00	-6920.14	785.75	-896.68	34.00	112.40	0.50	20.00	138.66	3.14	110.99	174.72	0.05	0.01
0.00	19	SLE F	1	2	0.00	-7062.45	792.46	-905.05	34.00	112.40	0.50	20.00	138.08	3.14	110.09	174.72	0.05	0.01
0.00	20	SLE Q	1	2	0.00	-6920.14	785.75	-896.68	34.00	112.40	0.50	20.00	138.66	3.14	110.99	174.72	0.05	0.01
0.00	19	SLE F	1	2	0.00	-7062.45	792.46	-905.05	34.00	112.40	0.50	20.00	138.08	3.14	110.09	174.72	0.05	0.01

Stato limite ultimo - Verifiche a taglio

X0 <m>	X1 <m>	Staff.	Br _y	Br _z	CC	TCC	b _{w,y} <m>	d _y <m>	Vsdu _y <daN>	ctgθ _y	VRsd _y <daN>	VRcd _y <daN>	Vrd _y <daN>	b _{w,z} <m>	d _z <m>	Vsdu _z <daN>	ctgθ _z	VRsd _z <daN>	VRcd _z <daN>	Vrd _z <daN>	Sic.
0.00	0.67	ø6/24	2	21	SLU	0.65	0.21	416.13	2.50	4273.42	35576.80	4273.42	0.25	0.61	187.55	2.50	12571.30	40253.00	12571.30	10.269	
0.00	0.67	ø6/24	2	21	SND	0.65	0.21	976.91	2.50	4273.42	35415.90	4273.42	0.25	0.61	9319.10	2.50	12571.30	40071.00	12571.30	1.349	
0.00	0.67	ø6/24	2	21	SND	0.65	0.21	3098.05	2.50	4273.42	35424.10	4273.42	0.25	0.61	3404.73	2.50	12571.30	40080.20	12571.30	1.379	
0.67	3.35	ø6/24	2	21	SLU	0.65	0.21	416.13	2.50	4273.42	35531.50	4273.42	0.25	0.61	187.55	2.50	12571.30	40201.80	12571.30	10.269	
0.67	3.35	ø6/24	2	21	SND	0.65	0.21	976.91	2.50	4273.42	35381.10	4273.42	0.25	0.61	9319.10	2.50	12571.30	40031.60	12571.30	1.349	
0.67	3.35	ø6/24	2	21	SND	0.65	0.21	3098.05	2.50	4273.42	35389.20	4273.42	0.25	0.61	3404.73	2.50	12571.30	40040.80	12571.30	1.379	
3.35	4.03	ø6/24	2	21	SLU	0.65	0.21	416.13	2.50	4273.42	35350.30	4273.42	0.25	0.61	187.55	2.50	12571.30	39996.80	12571.30	10.269	
3.35	4.03	ø6/24	2	21	SND	0.65	0.21	976.91	2.50	4273.42	35241.70	4273.42	0.25	0.61	9319.10	2.50	12571.30	39873.90	12571.30	1.349	
3.35	4.03	ø6/24	2	21	SND	0.65	0.21	3098.05	2.50	4273.42	35249.80	4273.42	0.25	0.61	3404.73	2.50	12571.30	39883.10	12571.30	1.379	

Verifiche e armature nuclei**Simbologia**

Δ _{sm}	=Distanza media tra le fessure
Φ _{eq}	=Diametro equivalente delle barre
ε _{sm}	=Deformazione unitaria media dell'armatura (*1000)
σ _c	=Tensione nel calcestruzzo
σ _f	=Tensione nel ferro
σ _s	=Tensione nell'acciaio nella sezione fessurata
A _{c eff}	=Area di calcestruzzo efficace
A _s	=Area complessiva dei ferri nell'area di calcestruzzo efficace
CC	=Numero della combinazione delle condizioni di carico elementari
Cf	=Copriferro
Cls	=Tipo di calcestruzzo
Fcd	=Resistenza di calcolo a compressione del calcestruzzo
Fck	=Resistenza caratteristica cilindrica a compressione del calcestruzzo
Fctd	=Resistenza di calcolo a trazione del calcestruzzo
Fctk	=Resistenza caratteristica a trazione del calcestruzzo
Fyd	=Resistenza di calcolo dell'acciaio
Fyk	=Tensione caratteristica di snervamento dell'acciaio
K ₂	=Coefficiente per distribuzione deformazioni
Liv.	=Numero del livello
M'ydy	=Momento resistente massimo in campo sostanzialmente elastico intorno all'asse Y
M'ydz	=Momento resistente massimo in campo sostanzialmente elastico intorno all'asse Z

Relazione di calcolo

MRdy =Momento resistente allo stato limite ultimo intorno all'asse Y
 MRdz =Momento resistente allo stato limite ultimo intorno all'asse Z
 My =Momento flettente intorno all'asse Y
 Mz =Momento flettente intorno all'asse Z
 N =Sforzo normale
 Nu =Sforzo normale ultimo
 Pos. =Posizione (P=Piede, T=Testa)
 Sic. =Sicurezza
 Spess.=Spessore
 TCC =Tipo di combinazione di carico
 SLU = Stato limite ultimo
 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
 SND = Stato limite di salvaguardia della vita (non dissipativo)
 Tp =Tipo di acciaio
 VRcd =Taglio ultimo lato calcestruzzo
 VRsd =Taglio ultimo lato armatura
 Vsdu =Taglio agente nella direzione del momento ultimo
 Wk =Ampiezza caratteristica delle fessure
 c =Ricoprimento dell'armatura
 ctgθ =Cotangente dell'angolo di inclinazione dei puntoni di calcestruzzo
 s =Distanza massima tra le barre

Numero del nucleo n. 103

Nodi: -48 -76 -105 -134

Caratteristiche delle sezioni e dei materiali utilizzati

Spess.	Cf	Cls	Fck	Fctk	Fcd	Fctd	Tp	Fyk	Fyd
<cm>	<cm>		<daN/cmq>	<daN/cmq>	<daN/cmq>	<daN/cmq>		<daN/cmq>	<daN/cmq>
25.00	4.30	C32/40	332.00	21.69	188.13	14.46	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Liv.	Pos.	CC	TCC	N	My	Mz	Nu	MRdy	MRdz	Sic.
				<daN>	<daNm>	<daNm>	<daN>	<daNm>	<daNm>	
1	P	17	SLU	-35512.60	118.57	20376.70	-35512.60	2837.38	229579.00	11.267
2	P	17	SLU	-34041.80	99.67	17722.80	-34041.80	2835.14	228942.00	12.919
3	P	17	SLU	-32570.90	80.77	15069.00	-32570.90	2832.86	228302.00	15.151
4	P	17	SLU	-31100.10	61.88	12415.20	-31100.10	2830.54	227661.00	18.338
5	P	17	SLU	-29784.00	44.97	10040.50	-29784.00	2828.47	227087.00	22.619
6	P	17	SLU	-28441.00	27.71	7617.47	-28441.00	1759.69	227911.00	29.920
7	P	17	SLU	-27098.00	10.46	5194.41	-1142710.00	1755.61	227340.00	42.169
8	P	17	SLU	-25627.20	-8.44	2540.72	-1142710.00	764.00	227896.00	44.590
9	P	17	SLU	-17867.30	-585.82	-2997.85	-17867.30	-25405.00	-131364.00	43.803

Stato limite elastico - Verifiche a flessione/pressoflessione

Liv.	Pos.	CC	TCC	N	My	Mz	Nu	M' ydy	M' ydz	Sic.
				<daN>	<daNm>	<daNm>	<daN>	<daNm>	<daNm>	
1	P	5	SND	-12899.60	5393.18	123739.00	-12899.60	5123.34	128058.00	1.035
2	P	5	SND	-12066.60	4199.13	101149.00	-12066.60	5116.97	127675.00	1.262
3	P	5	SND	-11233.70	3029.68	78562.00	-11233.70	5110.58	127292.00	1.620
4	P	5	SND	-10400.70	1912.06	55979.40	-10400.70	5104.15	126909.00	2.268
5	P	5	SND	-9655.29	971.71	35781.60	-9655.29	3495.27	131272.00	3.669
6	P	5	SND	-8894.72	-636.79	15225.90	-8894.72	-5089.47	126142.00	8.284
7	P	1	SND	-13631.20	-3821.51	7276.63	-13631.20	-20593.60	38813.30	5.346
8	T	9	SND	-10253.10	10147.90	17437.20	-10253.10	20536.80	35408.10	2.029
9	P	5	SND	-1951.25	-2354.33	-40071.40	-1951.25	-7595.00	-114642.00	2.862

Stato limite d'esercizio - Verifiche tensionali

Liv.	Pos.	CC	TCC	N	My	Mz	σ _c	σ _f
				<daN>	<daNm>	<daNm>	<daN/cmq>	<daN/cmq>
1	P	18	SLE R	-26191.60	73.29	14729.90	15.25	218.45
1	P	20	SLE Q	-21800.80	52.58	13127.80	13.45	192.66
2	P	18	SLE R	-25114.00	62.99	12799.80	13.38	192.24
2	P	20	SLE Q	-20967.90	47.19	11349.40	11.74	168.59
3	P	18	SLE R	-24036.30	52.68	10869.60	11.57	166.82
3	P	20	SLE Q	-20134.90	41.80	9571.05	10.08	145.19
4	P	18	SLE R	-22958.70	42.38	8939.56	9.86	142.72
4	P	20	SLE Q	-19301.90	36.41	7792.78	8.50	123.02
5	P	18	SLE R	-21994.40	33.16	7212.43	8.45	122.78
5	P	20	SLE Q	-18556.50	31.59	6201.48	7.22	104.84
6	P	18	SLE R	-21010.40	23.75	5450.15	7.14	104.24
6	P	20	SLE Q	-17796.00	26.66	4577.80	6.05	88.22
7	P	18	SLE R	-20026.50	14.34	3687.86	5.86	86.03
7	P	20	SLE Q	-17035.40	21.74	2954.10	4.92	71.98
8	P	18	SLE R	-18948.80	4.04	1757.83	4.46	66.08

Relazione di calcolo

8P	20	SLE Q	-16202.40	16.35	1175.86	3.67	54.19
9P	18	SLE R	-13247.30	-434.92	-2211.86	5.48	72.09
9P	20	SLE Q	-11381.50	-438.86	-2105.74	5.15	66.85

Stato limite d'esercizio - Verifiche a fessurazione

Liv.	Pos.	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	c <mm>	s <mm>	K ₂	Φ _{eq}	Δ _{sm} <mm>	A _s <cmq>	A _{c eff} <cmq>	σ _s <daN/cmq>	ε _{sm}	Wk <mm>
1P	20	SLE Q		-21800.80	52.58	13127.80	33.00	164.00	0.50	20.00	151.55	6.28	268.75	107.86	0.03	0.01
1P	19	SLE F		-22609.70	53.86	13437.90	33.00	164.00	0.50	20.00	151.55	6.28	268.75	107.86	0.03	0.01
2P	20	SLE Q		-20967.90	47.19	11349.40	33.00	164.00	0.50	20.00	151.55	6.28	268.75	75.99	0.02	0.01
2P	19	SLE F		-21706.80	48.07	11632.80	33.00	164.00	0.50	20.00	151.55	6.28	268.75	76.24	0.02	0.01
3P	20	SLE Q		-20134.90	41.80	9571.05	33.00	164.00	0.50	20.00	151.31	6.28	268.00	47.23	0.01	0.00
3P	19	SLE F		-20804.00	42.27	9827.81	33.00	164.00	0.50	20.00	151.19	6.28	267.64	47.66	0.01	0.00
4P	20	SLE Q		-19301.90	36.41	7792.78	33.00	164.00	0.50	20.00	127.58	6.28	193.46	22.87	0.01	0.00
4P	19	SLE F		-19901.10	36.47	8022.84	33.00	164.00	0.50	20.00	127.63	6.28	193.61	23.36	0.01	0.00

Stato limite ultimo - Verifiche a taglio

Liv.	Pos.	CC	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Sic.
1P	5	33941.20	2.50	50362.70	126534.00	1.484	
2P	5	33941.20	2.50	50362.70	126408.00	1.484	
3P	5	33941.20	2.50	50362.70	126282.00	1.484	
4P	5	33941.20	2.50	50362.70	126156.00	1.484	
5P	5	33941.20	2.50	50362.70	126043.00	1.484	
6P	5	33941.20	2.50	50362.70	125928.00	1.484	
7P	5	33941.20	2.50	50362.70	125813.00	1.484	
8P	5	33941.20	2.50	50362.70	125687.00	1.484	

Numero del nucleo n. 203

Nodi: 120 -714 -715 121

Caratteristiche delle sezioni e dei materiali utilizzati

Spess. <cm>	Cf <cm>	Cls	Fck <daN/cmq>	Fctk <daN/cmq>	Fcd <daN/cmq>	Fctd <daN/cmq>	Tp	Fyk <daN/cmq>	Fyd <daN/cmq>
25.00	3.90	C32/40	332.00	21.69	188.13	14.46	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Liv.	Pos.	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	MRdy <daNm>	MRdz <daNm>	Sic.
1P	17	SLU		-17867.30	-585.82	-2997.85	-17867.30	-12162.00	-64555.80	21.506
2P	17	SLU		-16711.00	-286.51	-4000.63	-16711.00	-6575.04	-92027.90	23.003
3T	17	SLU		-14995.10	157.69	-5488.89	-14995.10	2845.27	-97458.50	17.756

Stato limite elastico - Verifiche a flessione/pressoflessione

Liv.	Pos.	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	Nu <daN>	M'ydy <daNm>	M'ydz <daNm>	Sic.
1P	5	SND		-1951.27	-2354.33	-40071.40	-1951.27	-3244.91	-50594.10	1.263
2P	5	SND		-1296.45	-1819.55	-37984.30	-1296.45	-2364.07	-52019.80	1.369
3T	1	SND		-6995.82	-5785.93	-16478.30	-6995.82	-6270.04	-17430.50	1.061

Stato limite d'esercizio - Verifiche tensionali

Liv.	Pos.	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	σ _c <daN/cmq>	σ _f <daN/cmq>
1P	18	SLE R		-13247.30	-434.92	-2211.86	6.44	85.71
1P	20	SLE Q		-11381.50	-438.86	-2105.74	6.08	79.89
2P	18	SLE R		-12400.20	-216.58	-2978.40	5.74	79.73
2P	20	SLE Q		-10726.70	-226.01	-2943.68	5.46	75.28
3T	18	SLE R		-11143.00	107.45	-4116.03	5.90	83.75
3T	20	SLE Q		-9754.89	89.88	-4187.27	5.76	81.62

Stato limite d'esercizio - Verifiche a fessurazione

Liv.	Pos.	CC	TCC	N <daN>	My <daNm>	Mz <daNm>	c <mm>	s <mm>	K ₂	Φ _{eq}	Δ _{sm} <mm>	A _s <cmq>	A _{c eff} <cmq>	σ _s <daN/cmq>	ε _{sm}	Wk <mm>
3T	20	SLE Q		-9754.89	89.88	-4187.27	33.00	172.00	0.50	12.00	183.42	1.13	110.67	25.51	0.01	0.00
3T	19	SLE F		-9836.73	92.99	-4120.70	33.00	172.00	0.50	12.00	172.31	1.13	100.19	23.57	0.01	0.00

Stato limite ultimo - Verifiche a taglio

Liv.	Pos.	CC	Vsdu <daN>	ctgθ	VRsd <daN>	VRcd <daN>	Sic.
1	P	5	10432.40	2.50	50480.80	125170.00	4.839
2	P	5	10432.40	2.50	50480.80	125070.00	4.839
3	P	5	10432.40	2.50	50480.80	124973.00	4.839

Verifiche e armature solette/platee

Simbologia

Δ_{sm}	= Distanza media tra le fessure
Φ_{eq}	= Diametro equivalente delle barre
$\beta (u_0)$	= Coeff. amplificativo dello sforzo di punzonamento sul perimetro u_0
$\beta (u_1)$	= Coeff. amplificativo dello sforzo di punzonamento sul perimetro u_1
ϵ_{sm}	= Deformazione unitaria media dell'armatura (*1000)
ν	= Coeff. di riduzione della resistenza per il calcestruzzo fessurato a taglio
ρ_l	= Rapporto d'armatura longitudinale (*1000)
σ_c	= Tensione nel calcestruzzo
σ_f	= Tensione nel ferro
σ_s	= Tensione nell'acciaio nella sezione fessurata
$A_{c\ eff}$	= Area di calcestruzzo efficace
A_s	= Area complessiva dei ferri nell'area di calcestruzzo efficace
A_{sw}	= Area di armatura a taglio a punzonamento
AfE I	= Area di ferro effettiva totale presente nel punto di verifica, inferiore
AfE S	= Area di ferro effettiva totale presente nel punto di verifica, superiore
AfE St.	= Area di ferro effettiva della staffatura
CC	= Numero della combinazione delle condizioni di carico elementari
Cf inf	= Copriferro inferiore
Cf sup	= Copriferro superiore
Cls	= Tipo di calcestruzzo
DV	= Direzione di verifica XX = Verifica per momento Mxx YY = Verifica per momento Myy
Fcd	= Resistenza di calcolo a compressione del calcestruzzo
Fck	= Resistenza caratteristica cilindrica a compressione del calcestruzzo
Fctd	= Resistenza di calcolo a trazione del calcestruzzo
Fctk	= Resistenza caratteristica a trazione del calcestruzzo
Fyd	= Resistenza di calcolo dell'acciaio
Fyk	= Tensione caratteristica di snervamento dell'acciaio
K_2	= Coefficiente per distribuzione deformazioni
M'ydy	= Momento resistente massimo in campo sostanzialmente elastico intorno all'asse Y
MRdy	= Momento resistente allo stato limite ultimo intorno all'asse Y
Mom	= Momento flettente
My	= Momento flettente intorno all'asse Y
Mz	= Momento intorno all'asse Z
Nodo	= Numero del nodo
Pil	= Numero del pilastro
Sic.	= Sicurezza
Spess.	= Spessore
TCC	= Tipo di combinazione di carico SLU = Stato limite ultimo 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 SND = Stato limite di salvaguardia della vita (non dissipativo)
Tp	= Tipo di acciaio
$V_{Ed, red} (u_0)$	= Valore di progetto del taglio agente ridotto sul perimetro u_0
$V_{Ed, red} (u_1)$	= Valore di progetto del taglio agente ridotto sul perimetro u_1
$V_{Rd, c}$	= Resistenza di progetto a punzonamento
$V_{Rd, cs}$	= Resistenza a taglio punzonamento
$V_{Rd, max}$	= Valore di progetto del max taglio punzonamento resistente lungo la sez. di verifica
VRcd	= Taglio ultimo lato calcestruzzo
VRsd	= Taglio ultimo lato armatura
Vrdu	= Taglio ultimo resistente
Vsdu	= Taglio agente nella direzione del momento ultimo
Wk	= Ampiezza caratteristica delle fessure
X	= Coordinata X del nodo
Y	= Coordinata Y del nodo
a	= Distanza dal contorno del pilastro al perimetro di verifica considerato
c	= Ricoprimento dell'armatura
ctg θ	= Cotangente dell'angolo di inclinazione dei puntoni di calcestruzzo
d	= Media delle altezze utili nelle due direzioni ortogonali
s	= Distanza massima tra le barre
u_0	= Perimetro del pilastro
u_1	= Perimetro di verifica di base
$u_{out, ef}$	= Perimetro u_{out} efficace oltre il quale non sono più richieste armature
$V_{Ed} (u_0)$	= Tensione max di taglio sul perimetro u_0
$V_{Ed} (u_1)$	= Tensione max di taglio sul perimetro u_1

Armatura platea a quota 0.00

Caratteristiche delle sezioni e dei materiali utilizzati

Relazione di calcolo

Spess.	Cf sup	Cf inf	Cls	Fck	Fctk	Fcd	Fctd	Tp	Fyk	Fyd
<cm>	<cm>	<cm>		<daN/cm²>	<daN/cm²>	<daN/cm²>	<daN/cm²>		<daN/cm²>	<daN/cm²>
45.00	3.00	3.00	C28/35	290.50	19.84	164.62	13.23	B450C	4500.00	3913.04

Stato limite ultimo - Verifiche a flessione/pressoflessione

Nodo	X	Y	DV	CC	TCC	Afe S	Afe I	My	MRdy	Sic.
	<m>	<m>				<cmq>	<cmq>	<daNm>	<daNm>	
-1020	1.71	6.46	XX	17	SLU	13.40	13.40	-3107.72	-21169.80	6.812
-134	12.29	2.90	XX	17	SLU	13.40	13.40	3899.71	21169.80	5.429
-1192	12.29	9.98	YY	17	SLU	13.40	13.40	-4023.52	-21169.80	5.261
-134	12.29	2.90	YY	17	SLU	13.40	13.40	2338.24	21169.80	9.054

Stato limite elastico - Verifiche a flessione/pressoflessione

Nodo	X	Y	DV	CC	TCC	Afe S	Afe I	My	M'ydy	Sic.
	<m>	<m>				<cmq>	<cmq>	<daNm>	<daNm>	
-858	0.57	0.55	XX	9	SND	13.40	13.40	-15104.60	-20318.40	1.345
-134	12.29	2.90	YY	5	SND	13.40	13.40	17151.90	20318.40	1.185

Stato limite ultimo - Verifiche a taglio

Nodo	X	Y	DV	CC	TCC	Afe S	Afe I	Afe St.	Vsdu	ctgθ	VRcd	VRsd	Vrdu	Sic.
	<m>	<m>				<cmq>	<cmq>	<cmq/m>	<daN>		<daN>	<daN>	<daN>	
-809	7.99	0.55	XX	17	SLU	13.40	13.40		6411.49				17894.10	2.791
-773	11.76	0.55	XX	5	SND	13.40	13.40		17398.10				17894.10	1.029
-750	11.76	2.90	XX	17	SLU	13.40	13.40	10.05	7171.15	2.50	107285.00	37174.60	37174.60	5.184
-750	11.76	2.90	XX	5	SND	13.40	13.40	10.05	22150.50	2.50	107285.00	37174.60	37174.60	1.678
-1423	-0.60	6.08	YY	17	SLU	13.40	13.40		6060.32				17894.10	2.953
-55	-0.60	1.73	YY	9	SND	13.40	13.40		19814.40				17894.10	1.003
-944	12.29	3.46	YY	17	SLU	13.40	13.40	10.05	6638.48	2.50	107285.00	37174.60	37174.60	5.600
-749	11.76	2.32	YY	5	SND	13.40	13.40	10.05	21235.10	2.50	107285.00	37174.60	37174.60	1.751

Stato limite d'esercizio - Verifiche tensionali

Nodo	X	Y	DV	CC	TCC	Afe S	Afe I	Mom	σc	σf
	<m>	<m>				<cmq>	<cmq>	<daNm>	<daN/cm²>	<daN/cm²>
-1020	1.71	6.46	XX	18	SLE R	13.40	13.40	-2260.38	9.09	435.35
-1020	1.71	6.46	XX	20	SLE Q	13.40	13.40	-1991.70	8.01	383.60
-134	12.29	2.90	XX	18	SLE R	13.40	13.40	2869.77	11.54	552.72
-134	12.29	2.90	XX	20	SLE Q	13.40	13.40	2367.10	9.52	455.90
-1192	12.29	9.98	YY	18	SLE R	13.40	13.40	-2885.97	11.61	555.84
-1192	12.29	9.98	YY	20	SLE Q	13.40	13.40	-2642.07	10.63	508.87
8	4.46	6.46	YY	18	SLE R	13.40	13.40	1737.45	6.99	334.63
-134	12.29	2.90	YY	20	SLE Q	13.40	13.40	1487.36	5.98	286.47

Stato limite d'esercizio - Verifiche a fessurazione

Nodo	X	Y	DV	CC	TCC	c	s	K ₂	Φ _{eq}	Δ _{sm}	A _s	A _{c eff}	σ _s	ε _{sm}	W _k
	<m>	<m>				<mm>	<mm>			<mm>	<cmq>	<cmq>	<daN/cm²>		<mm>
-1020	1.71	6.46	XX	20	SLE Q	22.00	150.00	0.50	16.00	262.36	15.41	750.00	383.60	0.11	0.05
-1020	1.71	6.46	XX	19	SLE F	22.00	150.00	0.50	16.00	262.36	15.41	750.00	389.77	0.11	0.05
-134	12.29	2.90	XX	20	SLE Q	22.00	150.00	0.50	16.00	262.36	15.41	750.00	455.90	0.13	0.06
-134	12.29	2.90	XX	19	SLE F	22.00	150.00	0.50	16.00	262.36	15.41	750.00	475.49	0.14	0.06
-1192	12.29	9.98	YY	20	SLE Q	22.00	150.00	0.50	16.00	262.36	15.41	750.00	508.87	0.15	0.07
-1192	12.29	9.98	YY	19	SLE F	22.00	150.00	0.50	16.00	262.36	15.41	750.00	515.14	0.15	0.07
-134	12.29	2.90	YY	20	SLE Q	22.00	150.00	0.50	16.00	262.36	15.41	750.00	286.47	0.08	0.04
-134	12.29	2.90	YY	19	SLE F	22.00	150.00	0.50	16.00	262.36	15.41	750.00	294.87	0.09	0.04

Stato limite ultimo - Verifiche a punzonamento

Pil	CC	TCC	d	My	Mz	u ₀	V _{Ed,r ed} (u ₀)	β (u ₀)	v	V _{Ed} (u ₀)	V _{Rd,max}	a	u ₁	V _{Ed,r ed} (u ₁)	β (u ₁)	ρ ₁	V _{Ed} (u ₁)	V _{Rd,c}	A _{sw}	V _{Rd,cs}	u _{out,ef}
			<m>	<daNm>	<daNm>	<m>	<daN>			<daN/mq>	<daN/mq>	<m>	<m>	<daN>			<daN/mq>	<daN/mq>	<cmq>	<daN/mq>	<m>
1	1	SND	0.42	37711.70	4043.87	0.90	15004.50	3.35	0.53	133107.00	436465.00	0.21	1.56	12599.00	9.06	3.19	174450.00	170421.00	0.00	0.00	1.59
2	1	SND	0.42	18636.90	1586.95	1.00	23151.50	1.75	0.53	96624.60	436465.00	0.21	1.99	20842.80	3.41	3.19	85096.30	170421.00	0.00	0.00	0.00
3	9	SND	0.42	38643.40	2206.62	1.15	15928.50	3.27	0.53	107680.00	436465.00	0.21	2.14	13382.60	8.76	3.19	130667.00	170421.00	0.00	0.00	0.00
4	9	SND	0.42	32629.60	3679.94	0.90	9676.40	4.16	0.53	106457.00	436465.00	0.21	1.56	7457.36	12.78	3.19	145709.00	170421.00	0.00	0.00	0.00
5	13	SND	0.42	2026.04	813.05	1.00	17542.80	1.12	0.53	46616.10	436465.00	0.34	3.11	14485.70	1.29	3.19	14375.40	106513.00	0.00	0.00	0.00
6	5	SND	0.42	18059.00	2329.69	1.00	11704.40	2.45	0.53	68229.70	436465.00	0.17	1.79	9970.06	6.59	3.19	87375.50	213026.00	0.00	0.00	0.00
7	5	SND	0.42	36976.20	4135.28	1.15	13399.90	3.58	0.53	99447.40	436465.00	0.21	2.14	10990.50	10.06	3.19	123208.00	170421.00	0.00	0.00	0.00
8	5	SND	0.42	18459.00	2954.63	1.50	25537.80	1.68	0.53	68135.60	436465.00	0.25	3.08	22934.90	2.94	3.19	52059.30	142018.00	0.00	0.00	0.00
9	5	SND	0.42	16668.20	1868.50	1.50	12737.30	2.23	0.53	45014.50	436465.00	0.21	2.82	10773.00	5.17	3.19	47101.60	170421.00	0.00	0.00	0.00
10	1	SND	0.42	716.11	2125.35	1.00	13948.50	1.15	0.53	38190.80	436465.00	0.29	2.84	11288.50	1.43	3.19	13493.00	121729.00	0.00	0.00	0.00
11	13	SND	0.42	20354.60	2062.35	1.00	10264.40	2.86	0.53	69819.40	436465.00	0.17	1.79	8489.38	8.38	3.19	94696.00	213026.00	0.00	0.00	0.00
12	5	SND	0.42	36076.60	4069.58	1.15	9223.53	4.66	0.53	89061.50	436465.00	0.17	1.94	7127.25	16.58	3.19	145099.00	213026.00	0.00	0.00	0.00
13	5	SND	0.42	18444.90	2793.61	1.50	19976.50	1.87	0.53	59258.60	436465.00	0.21	2.82	17567.90	3.84	3.19	57011.80	170421.00	0.00	0.00	0.00
14	13	SND	0.42	17600.70	1809.31	1.50	9485.24	2.74	0.53	41219.40	436465.00	0.21	2.82	7325.36	7.47	3.19	46290.60	170421.00	0.00	0.00	0.00
15	9	SND	0.42	34981.10	3718.78	0.90	11695.30	3.80	0.53	117583.00	436465.00	0.21	1.56	8972.54	11.50	3.19	157664.00	170421.00	0.00	0.00	0.00
16	9	SND	0.42	17059.50	1535.36	1.00	18273.80	1.87	0.53	81511.00	436465.00	0.21	1.99	15601.30	3.94	3.19	73738.70	170421.00	0.00	0.00	0.00
17	9	SND	0.42	34081.10	3314.47	1.15	15257.00	3.09	0.53	97609.50	436465.00	0.21	2.14	12459.30	8.36	3.19	116096.00	170421.00	0.00	0.00	0.00
18	9	SND	0.42	26614.90	2276.30	1.15	15504.20	2.60	0.53	83620.40	436465.00	0.21	2.14	12630.10	6.67	3.19	93861.00	170421.00	0.00	0.00	0.00
19	1	SND	0.42	27837.90	2419.78	0.90	9901.90	3.63	0.53	95058.00	436465.00	0.21	1.56	7174.18	11.44	3.19	125437.00	170421.00	0.00	0.00	0.00