dott.ing. Augusto Fosson via Aichino11 11027 Saint-Vincent
cellulare 335 7084294 e mail: augustofosson@libero.it augusto.fosson@ingpec.eu

REGIONE AUTONOMA VALLE D'AOSTA
COMUNE DI VALTOURNENCHE

REGION AUTONOME VALLEE D'AOSTE
COMMUNE DE VALTOURNENCHE

Oggetto: progetto di fattibilità tecnico economica per realizzazione di una struttura da adibire a sala polifunzionale in località Breuil-Cervinia del comune di Valtournenche

Progettisti: architetto Marco Maresca (coordinamento progettuale, progettazione architettonica, prefattibilità ambientale ed inserimento urbanistico); architetto Massimo Desalvo (completamento rilievi, verifica interferenze e prime indicazioni per la sicurezza); ingegnere Augusto Fosson (progettazione strutturale, relazione geotecnica, sismica e sulle strutture, progettazione antincendio); ingegnere Silvano Cheraz (progettazione impiantistica).

Committente: Comune di Valtournenche

PROGETTAZIONE STRUTTURALE pag. 2

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Saint-Vincent, settembre 2021

DOTTORE INGEGNERE
AUGUSTO FOSSON
N. 154 DI ISCRIZIONE
ALL'ALBO DEGLI INGEGNERI
DELLA VALLE D'AOSTA

Valtournenche
Breuil-Cervinia

Latitudine 45.937929°
Longitudine 7.627092°
Quota sul livello del mare m 2008

PROGETTAZIONE STRUTTURALE

La struttura del fabbricato in epigrafe è descritta nella relazione e nei disegni a firma dell'architetto Marco Maresca, con il quale il sottoscritto si è confrontato nella stesura del progetto generale.

Si tratta di un fabbricato fondato su una platea di cemento armato dello spessore di 40 cm, con muri perimetrali in cemento armato dello spessore di 30 cm per la parte di monte, soppalco in cemento armato dello spessore di 30 cm, pilastri della sezione di 60x60 cm nella facciata di valle, copertura con travi principali (di sezione rettangolare con base 60 cm ed altezza variabile da 140 a 180 cm) e secondarie (di sezione rettangolare con base 22 cm ed altezza di 48 cm) in legno lamellare.

RELAZIONE GEOTECNICA

La relazione geologica a firma del geologo dott. Ilaria Rossetti ha fornito i dati seguenti in relazione al terreno di fondazione:

Livello corticale: potenza di circa 2 m, caratterizzato da un terreno debolmente addensato con granulometria ghiaioso-sabbiosa e matrice sabbioso-limosa con frammenti lapidei spigolosi: ghiaia sabbiosa con sabbia limosa (sismostrato con velocità onde Vs 238 m/s):

angolo di attrito ϕ =34°- 36°

coesione nulla

peso di volume (γ_{dry}) = 1800-1900 daN/m^3

Livello glaciale consolidato potenza variabile tra 2 e 25 m circa costituito da till indifferenziato o detritico misto (sismostrato con velocità onde Vs da 336 a 531 m/s), poggiante sul substrato cristallino (substrato sismico). Il terreno è costituito da ghiaie con sabbia limosa con ciottoli anche di dimensioni centimetriche fino a decimetriche, ben addensate e localmente cementate e con presenza sporadica di trovanti anche di medie dimensioni (< 1 m^3)

angolo di attrito ϕ =38°

coesione nulla

peso di volume (γ_{dry}) = 1800 daN/m^3

L'indagine sismica tramite tecnica MASW eseguita dal geologo dott. Pietro Di Sopra ha determinato la velocità equivalente di propagazione delle onde di taglio in VS,eq = 414 m/s compatibili con un sottosuolo di categoria **"B"**, così definita nella normativa sismica (NTC 2018): "Rocce tenere e depositi di terreni a grana grossa molto addensati o terreni a grana fine molto consistenti, caratterizzati da un miglioramento delle proprietà meccaniche con la profondità e da valori di velocità equivalente compresi tra 360 m/s e 800 m/s"

Sulla base dei suddetti dati è stata assunta per la platea di fondazione la costante di Winkler 5 daN/cm^3.

Il calcolo della capacità portante della platea, riportato nel prosieguo della presente relazione, è stato eseguito sulla base degli stessi dati forniti dai geologi.

RELAZIONE SISMICA E SULLE STRUTTURE

ANALISI DEI CARICHI

Peso proprio delle strutture in cemento armato: 2500 daN/m³

Peso proprio delle strutture in legno: 600 daN/m³

Peso proprio del pacchetto di copertura: 100 daN/m²

Carico appeso all'intradosso del tetto (considerato come permanente): 50 daN/m²

Carico permanente sul soppalco: 200 daN/m²

Carichi variabili:

Categoria C2 soppalco: 400 daN/m²

Neve: 900 daN/m²

Valanga: ± 500 daN/m² perpendicolari alle pareti verticali interessate ed al piano del tetto, secondo le linee guida della deliberazione della Giunta Regionale della Valle d'Aosta n. 422/1999 Allegato A – capitolo IV "aree a debole rischio"

Vento: ± 150 daN/m² perpendicolari alle pareti verticali
± 50 daN/m² perpendicolari al piano del tetto

MATERIALI

Calcestruzzo
Classe di resistenza: **C25/30**

Acciaio per cemento armato
L'acciaio per cemento armato **B450C**

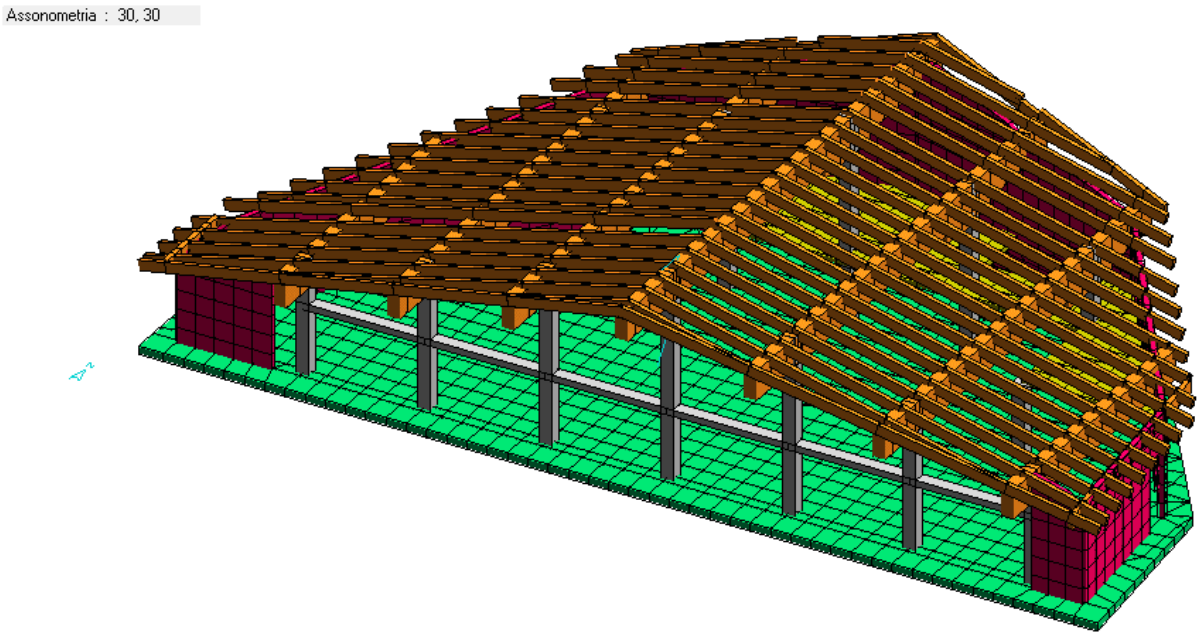
Legno
Legno lamellare GL36h

NORMATIVA

Le Norme di riferimento sono le NTC2018, Norme Tecniche per le Costruzioni, Decreto Ministeriale 17 gennaio 2018.

INDIVIDUAZIONE DEL CODICE DI CALCOLO

Per il calcolo delle sollecitazioni e per la verifica si è fatto ricorso all'elaboratore elettronico utilizzando il seguente programma di calcolo: DOLMEN WIN (R), versione 21 del 2021 prodotto, distribuito ed assistito dalla CDM DOLMEN srl, con sede in Torino, Via Drovetti 9/F.



DATI STRUTTURA:

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*** DATI STRUTTURA

Unita` di misura :
LUNGHEZZE         : cm
SUPERFICI         : cm2
DATI SEZIONALI    : cm
ANGOLI            : gradi
FORZE             : daN
MOMENTI           : daNcm
CARICHI LINEARI   : daN/cm
CARICHI SUPERFIC.: daN/cm2
TENSIONI          : daN/cm2
PESI DI VOLUME    : daN/cm3
COEFF. DI WINKLER: daN/cm3
RIGIDEZZE VINCOL.: daN/cm - daNcm/rad
```

NODI--|----------|----------|----------|----------|----------|num.= 2146

Nome	Coord. X	Coord. Y	Coord. Z
1	0.000	0.000	0.000
2	0.000	0.000	1000.000
3	0.000	2175.100	1000.000
4	0.000	-399.900	1000.000
5	575.000	0.000	0.000
6	575.000	0.000	856.300
7	1150.000	0.000	0.000
8	1150.000	0.000	712.500
9	1725.000	0.000	0.000
10	1725.000	0.000	568.800
11	-575.000	0.000	0.000
12	-575.000	0.000	856.300
13	-1150.000	0.000	0.000
14	-1150.000	0.000	712.500
15	-1725.000	0.000	0.000
16	-1725.000	0.000	568.800
17	0.000	1460.000	0.000
18	0.000	1460.000	1000.000
19	575.000	1460.000	0.000
20	575.000	1460.000	856.300
21	1150.000	1460.000	0.000
22	1150.000	1460.000	712.500
23	-575.000	1460.000	0.000
24	-575.000	1460.000	856.300
25	-1150.000	1460.000	0.000
26	-1150.000	1460.000	712.500
69	-2298.900	-55.000	0.000
70	-2209.100	-55.000	0.000
71	-2209.100	-55.000	89.600
72	-2298.900	-55.000	89.600
73	-2119.300	-55.000	0.000
74	-2119.300	-55.000	89.600
75	-2029.600	-55.000	0.000
76	-2029.600	-55.000	89.600
77	-1939.800	-55.000	0.000
78	-1939.800	-55.000	89.600
79	-1850.000	-55.000	0.000
80	-1850.000	-55.000	89.600
81	-2209.100	-55.000	179.200
82	-2298.900	-55.000	179.200
83	-2119.300	-55.000	179.200
84	-2029.600	-55.000	179.200
85	-1939.800	-55.000	179.200
86	-1850.000	-55.000	179.200
87	-2209.100	-55.000	268.800
88	-2298.900	-55.000	268.800
89	-2119.300	-55.000	268.800
90	-2029.600	-55.000	268.800
91	-1939.800	-55.000	268.800
92	-1850.000	-55.000	268.800
93	-2209.100	-55.000	358.300
94	-2298.900	-55.000	358.300
95	-2119.300	-55.000	358.300
96	-2029.600	-55.000	358.300
97	-1939.800	-55.000	358.300
98	-1850.000	-55.000	358.300
101	-2119.300	-55.000	447.900
102	-2029.600	-55.000	447.900
103	-1939.800	-55.000	447.900
104	-1850.000	-55.000	447.900
110	-1850.000	-55.000	537.500
111	1750.000	-55.000	0.000
112	1830.400	-55.000	0.000
113	1830.400	-55.000	89.600
114	1750.000	-55.000	89.600
115	1910.800	-55.000	0.000
116	1910.800	-55.000	89.600
117	1991.200	-55.000	0.000
118	1991.200	-55.000	89.600
119	1830.400	-55.000	179.200
120	1750.000	-55.000	179.200
121	1910.800	-55.000	179.200
122	1991.200	-55.000	179.200
123	1830.400	-55.000	268.800
124	1750.000	-55.000	268.800
125	1910.800	-55.000	268.800
126	1991.200	-55.000	268.800
127	1830.400	-55.000	358.300
128	1750.000	-55.000	358.300
129	1910.800	-55.000	358.300
130	1991.200	-55.000	358.300
131	1830.400	-55.000	447.900

132	1750.000	-55.000	447.900
133	1910.800	-55.000	447.900
134	1991.200	-55.000	447.900
135	1830.400	-55.000	542.400
136	1750.000	-55.000	562.500
137	1910.800	-55.000	522.300
138	1991.200	-55.000	502.200
139	-1181.700	1753.500	0.000
140	-1121.300	1767.900	0.000
141	-1121.300	1767.900	87.500
142	-1181.700	1753.500	87.500
143	-1060.900	1782.400	0.000
144	-1060.900	1782.400	87.500
145	-1121.300	1767.900	175.000
146	-1181.700	1753.500	175.000
147	-1060.900	1782.400	175.000
148	-1121.300	1767.900	262.500
149	-1181.700	1753.500	262.500
150	-1060.900	1782.400	262.500
151	-1121.300	1767.900	350.000
152	-1181.700	1753.500	350.000
153	-1060.900	1782.400	350.000
154	-924.700	1815.000	0.000
155	-840.600	1835.100	0.000
156	-840.600	1835.100	87.500
157	-924.700	1815.000	87.500
158	-756.600	1855.200	0.000
159	-756.600	1855.200	87.500
160	-672.500	1875.300	0.000
161	-672.500	1875.300	87.500
162	-588.400	1895.400	0.000
163	-588.400	1895.400	87.500
164	-504.400	1915.600	0.000
165	-504.400	1915.600	87.500
166	-420.300	1935.700	0.000
167	-420.300	1935.700	87.500
168	-336.300	1955.800	0.000
169	-336.300	1955.800	87.500
170	-252.200	1975.900	0.000
171	-252.200	1975.900	87.500
172	-168.100	1996.000	0.000
173	-168.100	1996.000	87.500
174	-84.100	2016.100	0.000
175	-84.100	2016.100	87.500
176	0.000	2036.300	0.000
177	0.000	2036.300	87.500
178	-840.600	1835.100	175.000
179	-924.700	1815.000	175.000
180	-756.600	1855.200	175.000
181	-672.500	1875.300	175.000
182	-588.400	1895.400	175.000
183	-504.400	1915.600	175.000
184	-420.300	1935.700	175.000
185	-336.300	1955.800	175.000
186	-252.200	1975.900	175.000
187	-168.100	1996.000	175.000
188	-84.100	2016.100	175.000
189	0.000	2036.300	175.000
190	-840.600	1835.100	262.500
191	-924.700	1815.000	262.500
192	-756.600	1855.200	262.500
193	-672.500	1875.300	262.500
194	-588.400	1895.400	262.500
195	-504.400	1915.600	262.500
196	-420.300	1935.700	262.500
197	-336.300	1955.800	262.500
198	-252.200	1975.900	262.500
199	-168.100	1996.000	262.500
200	-84.100	2016.100	262.500
201	0.000	2036.300	262.500
202	-840.600	1835.100	350.000
203	-924.700	1815.000	350.000
204	-756.600	1855.200	350.000
205	-672.500	1875.300	350.000
206	-588.400	1895.400	350.000
207	-504.400	1915.600	350.000
208	-420.300	1935.700	350.000
209	-336.300	1955.800	350.000
210	-252.200	1975.900	350.000
211	-168.100	1996.000	350.000
212	-84.100	2016.100	350.000
213	0.000	2036.300	350.000
214	-1121.300	1767.900	437.500
215	-1181.700	1753.500	437.500

216	-1060.900	1782.400	437.500
217	-1121.300	1767.900	525.000
218	-1181.700	1753.500	525.000
219	-1060.900	1782.400	525.000
220	-1121.300	1767.900	612.500
221	-1181.700	1753.500	612.500
222	-1060.900	1782.400	612.500
223	-1121.300	1767.900	700.000
224	-1181.700	1753.500	704.600
225	-1060.900	1782.400	700.000
226	-840.600	1835.100	437.500
227	-924.700	1815.000	437.500
228	-756.600	1855.200	437.500
229	-672.500	1875.300	437.500
230	-588.400	1895.400	437.500
231	-504.400	1915.600	437.500
232	-420.300	1935.700	437.500
233	-336.300	1955.800	437.500
234	-252.200	1975.900	437.500
235	-168.100	1996.000	437.500
236	-84.100	2016.100	437.500
237	0.000	2036.300	437.500
238	-840.600	1835.100	525.000
239	-924.700	1815.000	525.000
240	-756.600	1855.200	525.000
241	-672.500	1875.300	525.000
242	-588.400	1895.400	525.000
243	-504.400	1915.600	525.000
244	-420.300	1935.700	525.000
245	-336.300	1955.800	525.000
246	-252.200	1975.900	525.000
247	-168.100	1996.000	525.000
248	-84.100	2016.100	525.000
249	0.000	2036.300	525.000
250	-840.600	1835.100	612.500
251	-924.700	1815.000	612.500
252	-756.600	1855.200	612.500
253	-672.500	1875.300	612.500
254	-588.400	1895.400	612.500
255	-504.400	1915.600	612.500
256	-420.300	1935.700	612.500
257	-336.300	1955.800	612.500
258	-252.200	1975.900	612.500
259	-168.100	1996.000	612.500
260	-84.100	2016.100	612.500
261	0.000	2036.300	612.500
262	-840.600	1835.100	700.000
263	-924.700	1815.000	700.000
264	-756.600	1855.200	700.000
265	-672.500	1875.300	700.000
266	-588.400	1895.400	700.000
267	-504.400	1915.600	700.000
268	-420.300	1935.700	700.000
269	-336.300	1955.800	700.000
270	-252.200	1975.900	700.000
271	-168.100	1996.000	700.000
272	-84.100	2016.100	700.000
273	0.000	2036.300	700.000
274	-992.800	1798.700	350.000
275	-992.800	1798.700	437.500
278	-992.800	1798.700	525.000
280	-992.800	1798.700	612.500
282	-992.800	1798.700	700.000
287	-840.600	1835.100	789.800
289	-756.600	1855.200	787.500
290	-672.500	1875.300	787.500
291	-588.400	1895.400	787.500
292	-504.400	1915.600	787.500
293	-420.300	1935.700	787.500
294	-336.300	1955.800	787.500
295	-252.200	1975.900	787.500
296	-168.100	1996.000	787.500
297	-84.100	2016.100	787.500
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309	-420.300	1935.700	875.000
310	-336.300	1955.800	875.000
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314	0.000	2036.300	875.000
324	-168.100	1996.000	958.000
326	0.000	2036.300	962.500
330	1181.700	1753.500	0.000

331	1121.300	1767.900	0.000
332	1121.300	1767.900	87.500
333	1181.700	1753.500	87.500
334	1060.900	1782.400	0.000
335	1060.900	1782.400	87.500
336	1121.300	1767.900	175.000
337	1181.700	1753.500	175.000
338	1060.900	1782.400	175.000
339	1121.300	1767.900	262.500
340	1181.700	1753.500	262.500
341	1060.900	1782.400	262.500
342	1121.300	1767.900	350.000
343	1181.700	1753.500	350.000
344	1060.900	1782.400	350.000
345	924.700	1815.000	0.000
346	840.600	1835.100	0.000
347	840.600	1835.100	87.500
348	924.700	1815.000	87.500
349	756.600	1855.200	0.000
350	756.600	1855.200	87.500
351	672.500	1875.300	0.000
352	672.500	1875.300	87.500
353	588.400	1895.400	0.000
354	588.400	1895.400	87.500
355	504.400	1915.600	0.000
356	504.400	1915.600	87.500
357	420.300	1935.700	0.000
358	420.300	1935.700	87.500
359	336.300	1955.800	0.000
360	336.300	1955.800	87.500
361	252.200	1975.900	0.000
362	252.200	1975.900	87.500
363	168.100	1996.000	0.000
364	168.100	1996.000	87.500
365	84.100	2016.100	0.000
366	84.100	2016.100	87.500
367	840.600	1835.100	175.000
368	924.700	1815.000	175.000
369	756.600	1855.200	175.000
370	672.500	1875.300	175.000
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372	504.400	1915.600	175.000
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374	336.300	1955.800	175.000
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377	84.100	2016.100	175.000
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380	756.600	1855.200	262.500
381	672.500	1875.300	262.500
382	588.400	1895.400	262.500
383	504.400	1915.600	262.500
384	420.300	1935.700	262.500
385	336.300	1955.800	262.500
386	252.200	1975.900	262.500
387	168.100	1996.000	262.500
388	84.100	2016.100	262.500
389	840.600	1835.100	350.000
390	924.700	1815.000	350.000
391	756.600	1855.200	350.000
392	672.500	1875.300	350.000
393	550.300	1904.600	350.000
394	504.400	1915.600	350.000
395	420.300	1935.700	350.000
396	336.300	1955.800	350.000
397	252.200	1975.900	350.000
398	168.100	1996.000	350.000
399	84.100	2016.100	350.000
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401	1181.700	1753.500	437.500
402	1060.900	1782.400	437.500
403	1121.300	1767.900	525.000
404	1181.700	1753.500	525.000
405	1060.900	1782.400	525.000
406	1121.300	1767.900	612.500
407	1181.700	1753.500	612.500
408	1060.900	1782.400	612.500
409	1121.300	1767.900	700.000
410	1181.700	1753.500	704.600
411	1060.900	1782.400	700.000
412	840.600	1835.100	437.500
413	924.700	1815.000	437.500
414	756.600	1855.200	437.500

415	672.500	1875.300	437.500
416	588.400	1895.400	437.500
417	504.400	1915.600	437.500
418	420.300	1935.700	437.500
419	336.300	1955.800	437.500
420	252.200	1975.900	437.500
421	168.100	1996.000	437.500
422	84.100	2016.100	437.500
423	840.600	1835.100	525.000
424	924.700	1815.000	525.000
425	756.600	1855.200	525.000
426	672.500	1875.300	525.000
427	588.400	1895.400	525.000
428	504.400	1915.600	525.000
429	420.300	1935.700	525.000
430	336.300	1955.800	525.000
431	252.200	1975.900	525.000
432	168.100	1996.000	525.000
433	84.100	2016.100	525.000
434	840.600	1835.100	612.500
435	924.700	1815.000	612.500
436	756.600	1855.200	612.500
437	672.500	1875.300	612.500
438	588.400	1895.400	612.500
439	504.400	1915.600	612.500
440	420.300	1935.700	612.500
441	336.300	1955.800	612.500
442	252.200	1975.900	612.500
443	168.100	1996.000	612.500
444	84.100	2016.100	612.500
445	840.600	1835.100	700.000
446	924.700	1815.000	700.000
447	756.600	1855.200	700.000
448	672.500	1875.300	700.000
449	588.400	1895.400	700.000
450	504.400	1915.600	700.000
451	420.300	1935.700	700.000
452	336.300	1955.800	700.000
453	252.200	1975.900	700.000
454	168.100	1996.000	700.000
455	84.100	2016.100	700.000
456	992.800	1798.700	350.000
457	992.800	1798.700	437.500
458	992.800	1798.700	525.000
459	992.800	1798.700	612.500
460	992.800	1798.700	700.000
464	840.600	1835.100	789.800
466	756.600	1855.200	787.500
467	672.500	1875.300	787.500
468	588.400	1895.400	787.500
469	504.400	1915.600	787.500
470	420.300	1935.700	787.500
471	336.300	1955.800	787.500
472	252.200	1975.900	787.500
473	168.100	1996.000	787.500
474	84.100	2016.100	787.500
480	575.000	1898.700	856.300
481	504.400	1915.600	873.900
482	420.300	1935.700	875.000
483	336.300	1955.800	875.000
484	252.200	1975.900	875.000
485	168.100	1996.000	875.000
486	84.100	2016.100	875.000
492	168.100	1996.000	958.000
493	84.100	2016.100	979.000
496	-2298.900	189.900	0.000
497	-2243.000	268.100	0.000
498	-2243.000	268.100	87.500
499	-2298.900	189.900	87.500
500	-2187.200	346.200	0.000
501	-2187.200	346.200	87.500
502	-2131.300	424.400	0.000
503	-2131.300	424.400	87.500
504	-2075.400	502.600	0.000
505	-2075.400	502.600	87.500
506	-2019.600	580.800	0.000
507	-2019.600	580.800	87.500
508	-1963.700	659.000	0.000
509	-1963.700	659.000	87.500
510	-1907.900	737.100	0.000
511	-1907.900	737.100	87.500
512	-1852.000	815.300	0.000
513	-1852.000	815.300	87.500
514	-1796.200	893.500	0.000

515	-1796.200	893.500	87.500
516	-1740.300	971.700	0.000
517	-1740.300	971.700	87.500
518	-1684.400	1049.900	0.000
519	-1684.400	1049.900	87.500
520	-1628.600	1128.000	0.000
521	-1628.600	1128.000	87.500
522	-1572.700	1206.200	0.000
523	-1572.700	1206.200	87.500
524	-1516.900	1284.400	0.000
525	-1516.900	1284.400	87.500
526	-1461.000	1362.600	0.000
527	-1461.000	1362.600	87.500
528	-1405.100	1440.800	0.000
529	-1405.100	1440.800	87.500
530	-1349.300	1518.900	0.000
531	-1349.300	1518.900	87.500
532	-1293.400	1597.100	0.000
533	-1293.400	1597.100	87.500
534	-1237.600	1675.300	0.000
535	-1237.600	1675.300	87.500
536	-2243.000	268.100	175.000
537	-2298.900	189.900	175.000
538	-2243.000	268.100	262.500
539	-2298.900	189.900	262.500
540	-2243.000	268.100	350.000
541	-2298.900	189.900	350.000
542	-2243.000	268.100	439.200
543	-2298.900	189.900	425.300
546	-2187.200	346.200	175.000
547	-2187.200	346.200	262.500
548	-2187.200	346.200	350.000
551	-2131.300	424.400	175.000
552	-2131.300	424.400	262.500
553	-2131.300	424.400	350.000
554	-2131.300	424.400	437.500
556	-2075.400	502.600	175.000
557	-2075.400	502.600	262.500
558	-2075.400	502.600	350.000
559	-2075.400	502.600	437.500
561	-2019.600	580.800	175.000
562	-2019.600	580.800	262.500
563	-2019.600	580.800	350.000
564	-2019.600	580.800	437.500
566	-1963.700	659.000	175.000
567	-1963.700	659.000	262.500
568	-1963.700	659.000	350.000
569	-1963.700	659.000	437.500
571	-1907.900	737.100	175.000
572	-1907.900	737.100	262.500
573	-1907.900	737.100	350.000
574	-1907.900	737.100	437.500
576	-1852.000	815.300	175.000
577	-1852.000	815.300	262.500
578	-1852.000	815.300	350.000
579	-1852.000	815.300	437.500
581	-1796.200	893.500	175.000
582	-1796.200	893.500	262.500
583	-1796.200	893.500	350.000
584	-1796.200	893.500	437.500
585	-1796.200	893.500	525.000
586	-1740.300	971.700	175.000
587	-1740.300	971.700	262.500
588	-1740.300	971.700	350.000
589	-1740.300	971.700	437.500
591	-1684.400	1049.900	175.000
592	-1684.400	1049.900	262.500
593	-1684.400	1049.900	350.000
594	-1684.400	1049.900	437.500
595	-1684.400	1049.900	525.000
596	-1628.600	1128.000	175.000
597	-1628.600	1128.000	262.500
598	-1628.600	1128.000	350.000
599	-1628.600	1128.000	437.500
600	-1628.600	1128.000	525.000
601	-1572.700	1206.200	175.000
602	-1572.700	1206.200	262.500
603	-1572.700	1206.200	350.000
604	-1572.700	1206.200	437.500
605	-1572.700	1206.200	525.000
606	-1516.900	1284.400	175.000
607	-1516.900	1284.400	262.500
608	-1516.900	1284.400	350.000
609	-1516.900	1284.400	437.500

610	-1516.900	1284.400	525.000
611	-1461.000	1362.600	175.000
612	-1461.000	1362.600	262.500
613	-1461.000	1362.600	350.000
614	-1461.000	1362.600	437.500
615	-1461.000	1362.600	525.000
616	-1405.100	1440.800	175.000
617	-1405.100	1440.800	262.500
618	-1405.100	1440.800	350.000
619	-1405.100	1440.800	437.500
620	-1405.100	1440.800	525.000
621	-1349.300	1518.900	175.000
622	-1349.300	1518.900	262.500
623	-1349.300	1518.900	350.000
624	-1349.300	1518.900	437.500
625	-1349.300	1518.900	525.000
626	-1293.400	1597.100	175.000
627	-1293.400	1597.100	262.500
628	-1293.400	1597.100	350.000
629	-1293.400	1597.100	437.500
630	-1293.400	1597.100	525.000
631	-1237.600	1675.300	175.000
632	-1237.600	1675.300	262.500
633	-1237.600	1675.300	350.000
634	-1237.600	1675.300	437.500
635	-1237.600	1675.300	525.000
645	-1461.000	1362.600	612.500
646	-1405.100	1440.800	612.500
647	-1349.300	1518.900	612.500
648	-1293.400	1597.100	612.500
649	-1237.600	1675.300	612.500
657	-1237.600	1675.300	690.600
658	-2298.900	26.600	0.000
659	-2298.900	26.600	88.900
660	-2298.900	108.300	0.000
661	-2298.900	108.300	88.200
662	-2298.900	26.600	177.800
663	-2298.900	108.300	176.400
664	-2298.900	26.600	266.700
665	-2298.900	108.300	264.600
666	-2298.900	26.600	355.600
667	-2298.900	108.300	352.800
668	-2298.900	26.600	425.300
669	-2298.900	108.300	425.300
670	1238.000	1674.700	0.000
671	1238.000	1674.700	87.500
672	1294.300	1595.900	0.000
673	1294.300	1595.900	87.500
674	1350.600	1517.200	0.000
675	1350.600	1517.200	87.500
676	1406.800	1438.400	0.000
677	1406.800	1438.400	87.500
678	1463.100	1359.600	0.000
679	1463.100	1359.600	87.500
680	1519.400	1280.900	0.000
681	1519.400	1280.900	87.500
682	1575.700	1202.100	0.000
683	1575.700	1202.100	87.500
684	1631.900	1123.300	0.000
685	1631.900	1123.300	87.500
686	1688.200	1044.600	0.000
687	1688.200	1044.600	87.500
688	1744.500	965.800	0.000
689	1744.500	965.800	87.500
690	1800.800	887.000	0.000
691	1800.800	887.000	87.500
692	1857.100	808.300	0.000
693	1857.100	808.300	87.500
694	1913.300	729.500	0.000
695	1913.300	729.500	87.500
696	1238.000	1674.700	175.000
697	1238.000	1674.700	262.500
698	1238.000	1674.700	350.000
699	1238.000	1674.700	437.500
700	1238.000	1674.700	525.000
701	1294.300	1595.900	175.000
702	1294.300	1595.900	262.500
703	1294.300	1595.900	350.000
704	1294.300	1595.900	437.500
705	1294.300	1595.900	525.000
706	1350.600	1517.200	175.000
707	1350.600	1517.200	262.500
708	1350.600	1517.200	350.000
709	1350.600	1517.200	437.500

710	1350.600	1517.200	525.000
711	1406.800	1438.400	175.000
712	1406.800	1438.400	262.500
713	1406.800	1438.400	350.000
714	1406.800	1438.400	437.500
715	1406.800	1438.400	525.000
716	1463.100	1359.600	175.000
717	1463.100	1359.600	262.500
718	1463.100	1359.600	350.000
719	1463.100	1359.600	437.500
720	1463.100	1359.600	525.000
721	1519.400	1280.900	175.000
722	1519.400	1280.900	262.500
723	1519.400	1280.900	350.000
724	1519.400	1280.900	437.500
725	1519.400	1280.900	525.000
726	1575.700	1202.100	175.000
727	1575.700	1202.100	262.500
728	1575.700	1202.100	350.000
729	1575.700	1202.100	437.500
730	1575.700	1202.100	525.000
731	1631.900	1123.300	175.000
732	1631.900	1123.300	262.500
733	1631.900	1123.300	350.000
734	1631.900	1123.300	437.500
735	1631.900	1123.300	525.000
736	1688.200	1044.600	175.000
737	1688.200	1044.600	262.500
738	1688.200	1044.600	350.000
739	1688.200	1044.600	437.500
740	1688.200	1044.600	525.000
741	1744.500	965.800	175.000
742	1744.500	965.800	262.500
743	1744.500	965.800	350.000
744	1744.500	965.800	437.500
746	1800.800	887.000	175.000
747	1800.800	887.000	262.500
748	1800.800	887.000	350.000
749	1800.800	887.000	437.500
750	1800.800	887.000	525.000
751	1857.100	808.300	175.000
752	1857.100	808.300	262.500
753	1857.100	808.300	350.000
754	1857.100	808.300	437.500
756	1913.300	729.500	175.000
757	1913.300	729.500	262.500
758	1913.300	729.500	350.000
759	1913.300	729.500	437.500
760	1913.300	729.500	521.700
761	1238.000	1674.700	612.500
762	1294.300	1595.900	612.500
763	1350.600	1517.200	612.500
764	1406.800	1438.400	612.500
765	1463.100	1359.600	612.500
782	1982.400	34.000	0.000
783	1982.400	34.000	89.600
784	1973.600	123.000	0.000
785	1973.600	123.000	89.600
786	1964.700	212.000	0.000
787	1964.700	212.000	89.600
788	1955.900	301.000	0.000
789	1955.900	301.000	89.600
790	1947.100	390.000	0.000
791	1947.100	390.000	89.600
792	1938.200	479.000	0.000
793	1938.200	479.000	89.600
794	1929.400	568.000	0.000
795	1929.400	568.000	89.600
796	1982.400	34.000	179.200
797	1973.600	123.000	179.200
798	1964.700	212.000	179.200
799	1955.900	301.000	179.200
800	1947.100	390.000	179.200
801	1938.200	479.000	179.200
802	1929.400	568.000	179.200
803	1982.400	34.000	268.800
804	1973.600	123.000	268.800
805	1964.700	212.000	268.800
806	1955.900	301.000	268.800
807	1947.100	390.000	268.800
808	1938.200	479.000	268.800
809	1929.400	568.000	268.800
810	1982.400	34.000	358.300
811	1973.600	123.000	358.300

812	1964.700	212.000	358.300
813	1955.900	301.000	358.300
814	1947.100	390.000	358.300
815	1938.200	479.000	358.300
816	1929.400	568.000	350.000
817	1982.400	34.000	447.900
818	1973.600	123.000	447.900
819	1964.700	212.000	447.900
820	1955.900	301.000	447.900
821	1947.100	390.000	447.900
822	1938.200	479.000	447.900
823	1929.400	568.000	447.900
824	1982.400	34.000	504.400
826	1964.700	212.000	508.800
827	1955.900	301.000	511.000
830	1929.400	568.000	517.700
831	1915.500	707.300	0.000
832	1915.500	707.300	87.500
833	1915.500	707.300	175.000
834	1915.500	707.300	262.500
835	1915.500	707.300	350.000
836	1915.500	707.300	437.500
837	1915.500	707.300	521.100
881	-575.000	2037.500	856.300
882	-1150.000	1899.900	712.500
884	575.000	2037.500	856.300
885	1150.000	1899.900	712.500
887	-575.000	-339.500	856.300
888	-1150.000	-279.100	712.500
889	-1725.000	-218.600	568.800
890	575.000	-339.500	856.300
891	1150.000	-279.100	712.500
892	1725.000	-218.600	568.800
893	-2298.900	-55.000	425.300
894	-2209.100	-55.000	447.700
896	-2119.300	-55.000	470.200
897	-2029.600	-55.000	492.600
898	-1939.800	-55.000	515.100
899	0.000	2036.300	1000.000
900	420.300	1935.700	894.900
901	336.300	1955.800	915.900
902	252.200	1975.900	937.000
903	756.600	1855.200	810.900
904	672.500	1875.300	831.900
905	1150.000	1761.100	712.500
906	1060.900	1782.400	734.800
907	992.800	1798.700	751.800
908	924.700	1815.000	768.800
911	1631.900	1123.300	592.000
912	1688.200	1044.600	577.900
913	1725.000	993.100	568.800
914	1800.800	887.000	549.800
915	1857.100	808.300	535.700
916	1238.000	1674.700	690.500
918	1350.600	1517.200	662.400
921	1519.400	1280.900	620.200
922	-1725.000	993.100	568.800
924	-2131.300	424.400	467.200
925	-2076.100	501.700	481.000
926	-2019.600	580.800	495.100
929	-1796.200	893.500	551.000
931	-1684.400	1049.900	578.900
932	-1628.600	1128.000	592.900
933	-1516.900	1284.400	620.800
936	-1349.300	1518.900	662.700
938	-84.100	2016.100	979.000
940	-1150.000	1761.100	712.500
941	-1060.900	1782.400	734.800
942	-992.800	1798.700	751.800
943	-924.700	1815.000	768.800
944	-420.300	1935.700	894.900
945	-336.300	1955.800	915.900
946	-252.200	1975.900	937.000
947	-756.600	1855.200	810.900
948	-672.500	1875.300	831.900
949	-575.000	1898.700	856.300
950	575.000	1898.700	818.800
952	1150.000	1761.100	675.000
953	1121.300	1767.900	719.700
954	-575.000	1898.700	818.800
956	-1150.000	1761.100	675.000
957	-1121.300	1767.900	719.700
958	-1725.000	993.100	531.300
979	1725.000	993.100	531.300

980	2004.600	-189.200	498.900
982	-2298.900	-158.300	425.300
984	2138.800	-175.100	485.300
985	1262.200	1873.000	704.400
987	0.000	-339.500	1000.000
988	0.000	-218.600	1000.000
989	0.000	-98.600	1000.000
990	2131.200	-98.600	487.200
991	0.000	21.400	1000.000
992	2119.300	21.400	490.200
993	0.000	141.400	1000.000
994	2107.400	141.400	493.100
995	0.000	261.400	1000.000
996	2095.500	261.400	496.100
997	0.000	381.400	1000.000
998	2083.600	381.400	499.100
999	0.000	501.400	1000.000
1000	2071.700	501.400	502.100
1001	0.000	621.400	1000.000
1002	2059.700	621.400	505.100
1003	0.000	741.400	1000.000
1004	2047.800	741.400	508.000
1005	0.000	861.400	1000.000
1006	1985.000	861.400	523.700
1007	0.000	981.400	1000.000
1008	1899.300	981.400	545.200
1009	0.000	1101.400	1000.000
1010	1813.600	1101.400	566.600
1011	0.000	1225.300	1000.000
1013	0.000	1341.400	1000.000
1014	1642.100	1341.400	609.500
1016	1557.300	1460.000	630.700
1018	1470.600	1581.400	652.300
1020	1384.900	1701.400	673.800
1026	-1262.200	1873.000	704.400
1028	-2433.900	-98.600	411.500
1029	-2433.900	21.400	411.500
1030	-2433.900	141.400	411.500
1031	-2415.200	259.400	416.200
1032	-2328.000	381.400	438.000
1033	-2242.200	501.400	459.400
1034	-2156.500	621.400	480.900
1035	-2070.800	741.400	502.300
1036	-1985.000	861.400	523.700
1037	-1899.300	981.400	545.200
1038	-1813.600	1101.400	566.600
1039	-1642.100	1341.400	609.500
1040	-1557.300	1460.000	630.700
1041	-1470.600	1581.400	652.300
1042	-1384.900	1701.400	673.800
1043	-2433.900	-144.100	411.500
1045	-2298.900	189.900	387.800
1046	-2298.900	-55.000	387.800
1051	1991.200	-55.000	464.700
1052	1913.300	729.500	484.200
1057	-2298.900	-98.600	425.300
1059	-1725.000	-98.600	568.800
1060	-1150.000	-218.600	712.500
1061	-1150.000	-98.600	712.500
1062	-575.000	-218.600	856.300
1063	-575.000	-98.600	856.300
1064	-575.000	21.400	856.300
1065	-1150.000	21.400	712.500
1066	-1725.000	21.400	568.800
1068	-2298.900	21.400	425.300
1069	-2298.900	141.400	425.300
1071	-1725.000	141.400	568.800
1072	-1150.000	141.400	712.500
1073	-575.000	141.400	856.300
1074	-575.000	260.900	856.300
1075	-1150.000	260.400	712.500
1076	-1725.000	259.900	568.800
1078	-2298.900	259.500	425.300
1081	-1725.000	381.400	568.800
1083	-1725.000	502.400	568.800
1084	-1150.000	381.400	712.500
1085	-1150.000	502.100	712.500
1086	-575.000	501.700	856.300
1087	-575.000	381.400	856.300
1088	-575.000	621.400	856.300
1089	-1150.000	621.400	712.500
1090	-1725.000	621.400	568.800
1093	-1725.000	741.400	568.800
1094	-1725.000	861.400	568.800

1095	-1150.000	861.400	712.500
1096	-1150.000	741.400	712.500
1097	-575.000	741.400	856.300
1098	-575.000	861.400	856.300
1099	-575.000	981.400	856.300
1100	-575.000	1101.400	856.300
1101	-575.000	1225.300	856.300
1102	-575.000	1341.400	856.300
1103	-1150.000	981.400	712.500
1104	-1150.000	1101.400	712.500
1105	-1150.000	1225.300	712.500
1106	-1725.000	981.400	568.800
1107	-1725.000	1101.400	568.800
1108	-1150.000	1341.400	712.500
1112	1995.600	-98.600	501.100
1113	1983.700	21.400	504.100
1114	1971.700	141.400	507.100
1115	1959.800	261.400	510.000
1116	1947.900	381.400	513.000
1117	1936.000	501.400	516.000
1118	1924.100	621.400	519.000
1119	1912.200	741.400	522.000
1120	1900.200	861.400	524.900
1121	1888.300	981.400	527.900
1122	1725.000	-98.600	568.800
1123	1725.000	21.400	568.800
1124	1725.000	141.400	568.800
1125	1725.000	261.400	568.800
1126	1725.000	381.400	568.800
1127	1725.000	501.400	568.800
1128	1725.000	621.400	568.800
1129	1725.000	741.400	568.800
1130	1725.000	861.400	568.800
1131	1725.000	981.400	568.800
1132	1725.000	1101.400	568.800
1134	1150.000	1341.400	712.500
1135	1150.000	1225.300	712.500
1136	1150.000	1101.400	712.500
1137	1150.000	981.400	712.500
1138	1150.000	861.400	712.500
1139	1150.000	741.400	712.500
1140	1150.000	621.400	712.500
1141	1150.000	501.400	712.500
1142	1150.000	381.400	712.500
1143	1150.000	261.400	712.500
1144	1150.000	141.400	712.500
1145	1150.000	21.400	712.500
1146	1150.000	-98.600	712.500
1147	1150.000	-218.600	712.500
1148	575.000	-218.600	856.300
1149	575.000	-98.600	856.300
1150	575.000	21.400	856.300
1151	575.000	141.400	856.300
1152	575.000	261.400	856.300
1153	575.000	381.400	856.300
1154	575.000	501.400	856.300
1155	575.000	621.400	856.300
1156	575.000	741.400	856.300
1157	575.000	861.400	856.300
1158	575.000	981.400	856.300
1159	575.000	1101.400	856.300
1160	575.000	1225.300	856.300
1161	575.000	1341.400	856.300
1188	0.000	-339.500	1020.000
1189	575.000	-339.500	876.300
1191	575.000	2037.500	876.300
1192	-575.000	-339.500	876.300
1193	-575.000	2037.500	876.300
1194	0.000	-399.900	1020.000
1195	1150.000	-279.100	732.500
1196	1725.000	-218.600	588.800
1197	2004.600	-189.200	518.900
1198	0.000	2175.100	1020.000
1199	1150.000	1899.900	732.500
1201	1725.000	1225.300	588.800
1202	0.000	1460.000	1020.000
1203	575.000	1460.000	876.300
1204	1150.000	1460.000	732.500
1208	-1150.000	-279.100	732.500
1209	-1725.000	-218.600	588.800
1210	-1150.000	1899.900	732.500
1211	-1725.000	1225.300	588.800
1212	-575.000	1460.000	876.300
1213	-1150.000	1460.000	732.500

1216	-2298.900	-158.300	445.300
1219	-2298.900	-98.600	445.300
1220	-1725.000	-98.600	588.800
1221	-1150.000	-218.600	732.500
1222	-1150.000	-98.600	732.500
1223	0.000	-218.600	1020.000
1224	-575.000	-218.600	876.300
1225	0.000	-98.600	1020.000
1226	-575.000	-98.600	876.300
1227	0.000	21.400	1020.000
1228	-575.000	21.400	876.300
1229	-1150.000	21.400	732.500
1230	-1725.000	21.400	588.800
1231	-2298.900	21.400	445.300
1232	-2298.900	141.400	445.300
1233	-1725.000	141.400	588.800
1234	-1150.000	141.400	732.500
1235	0.000	141.400	1020.000
1236	-575.000	141.400	876.300
1237	0.000	261.400	1020.000
1238	-575.000	260.900	876.300
1239	-1150.000	260.400	732.500
1240	-1725.000	259.900	588.800
1241	-2298.900	259.500	445.300
1243	-1725.000	381.400	588.800
1244	-1725.000	502.400	588.800
1245	-1150.000	381.400	732.500
1246	-1150.000	502.100	732.500
1247	0.000	501.400	1020.000
1248	-575.000	501.700	876.300
1249	0.000	381.400	1020.000
1250	-575.000	381.400	876.300
1251	0.000	621.400	1020.000
1252	-575.000	621.400	876.300
1253	-1150.000	621.400	732.500
1254	-1725.000	621.400	588.800
1255	-1725.000	741.400	588.800
1256	-1725.000	861.400	588.800
1257	-1150.000	861.400	732.500
1258	-1150.000	741.400	732.500
1259	0.000	741.400	1020.000
1260	-575.000	741.400	876.300
1261	0.000	861.400	1020.000
1262	-575.000	861.400	876.300
1263	0.000	981.400	1020.000
1264	-575.000	981.400	876.300
1265	0.000	1101.400	1020.000
1266	-575.000	1101.400	876.300
1267	0.000	1225.300	1020.000
1268	-575.000	1225.300	876.300
1269	0.000	1341.400	1020.000
1270	-575.000	1341.400	876.300
1271	-1150.000	981.400	732.500
1272	-1150.000	1101.400	732.500
1273	-1150.000	1225.300	732.500
1274	-1725.000	981.400	588.800
1275	-1725.000	1101.400	588.800
1276	-1150.000	1341.400	732.500
1282	1995.600	-98.600	521.100
1283	1983.700	21.400	524.100
1284	1971.700	141.400	527.100
1285	1959.800	261.400	530.000
1286	1947.900	381.400	533.000
1287	1936.000	501.400	536.000
1288	1924.100	621.400	539.000
1289	1912.200	741.400	542.000
1290	1900.200	861.400	544.900
1291	1888.300	981.400	547.900
1292	1725.000	-98.600	588.800
1293	1725.000	21.400	588.800
1294	1725.000	141.400	588.800
1295	1725.000	261.400	588.800
1296	1725.000	381.400	588.800
1297	1725.000	501.400	588.800
1299	1725.000	741.400	588.800
1300	1725.000	861.400	588.800
1301	1725.000	981.400	588.800
1302	1725.000	1101.400	588.800
1304	1150.000	1341.400	732.500
1305	1150.000	1225.300	732.500
1306	1150.000	1101.400	732.500
1307	1150.000	981.400	732.500
1308	1150.000	861.400	732.500
1309	1150.000	741.400	732.500

1310	1150.000	621.400	732.500
1311	1150.000	501.400	732.500
1312	1150.000	381.400	732.500
1313	1150.000	261.400	732.500
1314	1150.000	141.400	732.500
1315	1150.000	21.400	732.500
1316	1150.000	-98.600	732.500
1317	1150.000	-218.600	732.500
1318	575.000	-218.600	876.300
1319	575.000	-98.600	876.300
1320	575.000	21.400	876.300
1321	575.000	141.400	876.300
1322	575.000	261.400	876.300
1323	575.000	381.400	876.300
1324	575.000	501.400	876.300
1325	575.000	621.400	876.300
1326	575.000	741.400	876.300
1327	575.000	861.400	876.300
1328	575.000	981.400	876.300
1329	575.000	1101.400	876.300
1330	575.000	1225.300	876.300
1331	575.000	1341.400	876.300
1334	-1054.200	0.000	0.000
1335	-1054.200	97.300	0.000
1336	-1150.000	97.300	0.000
1337	-958.300	0.000	0.000
1338	-958.300	97.300	0.000
1339	-862.500	0.000	0.000
1340	-862.500	97.300	0.000
1341	-766.700	0.000	0.000
1342	-766.700	97.300	0.000
1343	-670.800	0.000	0.000
1344	-670.800	97.300	0.000
1345	-575.000	97.300	0.000
1346	-1054.200	194.700	0.000
1347	-1150.000	194.700	0.000
1348	-958.300	194.700	0.000
1349	-862.500	194.700	0.000
1350	-766.700	194.700	0.000
1351	-670.800	194.700	0.000
1352	-575.000	194.700	0.000
1353	-1054.200	292.000	0.000
1354	-1150.000	292.000	0.000
1355	-958.300	292.000	0.000
1356	-862.500	292.000	0.000
1357	-766.700	292.000	0.000
1358	-670.800	292.000	0.000
1359	-575.000	292.000	0.000
1360	-1054.200	389.300	0.000
1361	-1150.000	389.300	0.000
1362	-958.300	389.300	0.000
1363	-862.500	389.300	0.000
1364	-766.700	389.300	0.000
1365	-670.800	389.300	0.000
1366	-575.000	389.300	0.000
1367	-1054.200	486.700	0.000
1368	-1150.000	486.700	0.000
1369	-958.300	486.700	0.000
1370	-862.500	486.700	0.000
1371	-766.700	486.700	0.000
1372	-670.800	486.700	0.000
1373	-575.000	486.700	0.000
1374	-1054.200	584.000	0.000
1375	-1150.000	584.000	0.000
1376	-958.300	584.000	0.000
1377	-862.500	584.000	0.000
1378	-766.700	584.000	0.000
1379	-670.800	584.000	0.000
1380	-575.000	584.000	0.000
1381	-1054.200	681.300	0.000
1382	-1150.000	681.300	0.000
1383	-958.300	681.300	0.000
1384	-862.500	681.300	0.000
1385	-766.700	681.300	0.000
1386	-670.800	681.300	0.000
1387	-575.000	681.300	0.000
1388	-1054.200	778.700	0.000
1389	-1150.000	778.700	0.000
1390	-958.300	778.700	0.000
1391	-862.500	778.700	0.000
1392	-766.700	778.700	0.000
1393	-670.800	778.700	0.000
1394	-575.000	778.700	0.000
1395	-1054.200	876.000	0.000

1396	-1150.000	876.000	0.000
1397	-958.300	876.000	0.000
1398	-862.500	876.000	0.000
1399	-766.700	876.000	0.000
1400	-670.800	876.000	0.000
1401	-575.000	876.000	0.000
1402	-1054.200	973.300	0.000
1403	-1150.000	973.300	0.000
1404	-958.300	973.300	0.000
1405	-862.500	973.300	0.000
1406	-766.700	973.300	0.000
1407	-670.800	973.300	0.000
1408	-575.000	973.300	0.000
1409	-1054.200	1070.700	0.000
1410	-1150.000	1070.700	0.000
1411	-958.300	1070.700	0.000
1412	-862.500	1070.700	0.000
1413	-766.700	1070.700	0.000
1414	-670.800	1070.700	0.000
1415	-575.000	1070.700	0.000
1416	-1054.200	1168.000	0.000
1417	-1150.000	1168.000	0.000
1418	-958.300	1168.000	0.000
1419	-862.500	1168.000	0.000
1420	-766.700	1168.000	0.000
1421	-670.800	1168.000	0.000
1422	-575.000	1168.000	0.000
1423	-1054.200	1265.300	0.000
1424	-1150.000	1265.300	0.000
1425	-958.300	1265.300	0.000
1426	-862.500	1265.300	0.000
1427	-766.700	1265.300	0.000
1428	-670.800	1265.300	0.000
1429	-575.000	1265.300	0.000
1430	-1054.200	1362.700	0.000
1431	-1150.000	1362.700	0.000
1432	-958.300	1362.700	0.000
1433	-862.500	1362.700	0.000
1434	-766.700	1362.700	0.000
1435	-670.800	1362.700	0.000
1436	-575.000	1362.700	0.000
1437	-1054.200	1460.000	0.000
1438	-958.300	1460.000	0.000
1439	-862.500	1460.000	0.000
1440	-766.700	1460.000	0.000
1441	-670.800	1460.000	0.000
1442	-1150.000	-55.000	0.000
1443	-1054.200	-55.000	0.000
1444	-958.300	-55.000	0.000
1445	-862.500	-55.000	0.000
1446	-766.700	-55.000	0.000
1447	-670.800	-55.000	0.000
1448	-575.000	-55.000	0.000
1449	-1150.000	-175.000	0.000
1450	-1054.200	-175.000	0.000
1451	-958.300	-175.000	0.000
1452	-862.500	-175.000	0.000
1453	-766.700	-175.000	0.000
1454	-670.800	-175.000	0.000
1455	-575.000	-175.000	0.000
1456	-1054.200	1557.300	0.000
1457	-1150.000	1557.300	0.000
1458	-958.300	1557.300	0.000
1459	-862.500	1557.300	0.000
1460	-766.700	1557.300	0.000
1461	-670.800	1557.300	0.000
1462	-575.000	1557.300	0.000
1463	-1054.200	1654.700	0.000
1464	-1150.000	1654.700	0.000
1465	-958.300	1654.700	0.000
1466	-862.500	1654.700	0.000
1467	-766.700	1654.700	0.000
1468	-670.800	1654.700	0.000
1469	-575.000	1654.700	0.000
1473	-862.500	1752.000	0.000
1474	-766.700	1752.000	0.000
1475	-670.800	1752.000	0.000
1476	-575.000	1752.000	0.000
1477	-1054.200	1849.300	0.000
1478	-1150.000	1849.300	0.000
1479	-958.300	1849.300	0.000
1488	-766.700	1946.700	0.000
1489	-670.800	1946.700	0.000
1490	-575.000	1946.700	0.000

1496	1054.200	0.000	0.000
1497	1054.200	97.300	0.000
1498	1150.000	97.300	0.000
1499	958.300	0.000	0.000
1500	958.300	97.300	0.000
1501	862.500	0.000	0.000
1502	862.500	97.300	0.000
1503	766.700	0.000	0.000
1504	766.700	97.300	0.000
1505	670.800	0.000	0.000
1506	670.800	97.300	0.000
1507	575.000	97.300	0.000
1508	1054.200	194.700	0.000
1509	1150.000	194.700	0.000
1510	958.300	194.700	0.000
1511	862.500	194.700	0.000
1512	766.700	194.700	0.000
1513	670.800	194.700	0.000
1514	575.000	194.700	0.000
1515	1054.200	292.000	0.000
1516	1150.000	292.000	0.000
1517	958.300	292.000	0.000
1518	862.500	292.000	0.000
1519	766.700	292.000	0.000
1520	670.800	292.000	0.000
1521	575.000	292.000	0.000
1522	1054.200	389.300	0.000
1523	1150.000	389.300	0.000
1524	958.300	389.300	0.000
1525	862.500	389.300	0.000
1526	766.700	389.300	0.000
1527	670.800	389.300	0.000
1528	575.000	389.300	0.000
1529	1054.200	486.700	0.000
1530	1150.000	486.700	0.000
1531	958.300	486.700	0.000
1532	862.500	486.700	0.000
1533	766.700	486.700	0.000
1534	670.800	486.700	0.000
1535	575.000	486.700	0.000
1536	1054.200	584.000	0.000
1537	1150.000	584.000	0.000
1538	958.300	584.000	0.000
1539	862.500	584.000	0.000
1540	766.700	584.000	0.000
1541	670.800	584.000	0.000
1542	575.000	584.000	0.000
1543	1054.200	681.300	0.000
1544	1150.000	681.300	0.000
1545	958.300	681.300	0.000
1546	862.500	681.300	0.000
1547	766.700	681.300	0.000
1548	670.800	681.300	0.000
1549	575.000	681.300	0.000
1550	1054.200	778.700	0.000
1551	1150.000	778.700	0.000
1552	958.300	778.700	0.000
1553	862.500	778.700	0.000
1554	766.700	778.700	0.000
1555	670.800	778.700	0.000
1556	575.000	778.700	0.000
1557	1054.200	876.000	0.000
1559	958.300	876.000	0.000
1560	862.500	876.000	0.000
1561	766.700	876.000	0.000
1562	670.800	876.000	0.000
1563	575.000	876.000	0.000
1564	1054.200	973.300	0.000
1565	1150.000	973.300	0.000
1566	958.300	973.300	0.000
1567	862.500	973.300	0.000
1568	766.700	973.300	0.000
1569	670.800	973.300	0.000
1570	575.000	973.300	0.000
1571	1054.200	1070.700	0.000
1572	1150.000	1070.700	0.000
1573	958.300	1070.700	0.000
1574	862.500	1070.700	0.000
1575	766.700	1070.700	0.000
1576	670.800	1070.700	0.000
1577	575.000	1070.700	0.000
1578	1054.200	1168.000	0.000
1579	1150.000	1168.000	0.000
1580	958.300	1168.000	0.000

1581	862.500	1168.000	0.000
1582	766.700	1168.000	0.000
1583	670.800	1168.000	0.000
1584	575.000	1168.000	0.000
1585	1054.200	1265.300	0.000
1586	1150.000	1265.300	0.000
1587	958.300	1265.300	0.000
1588	862.500	1265.300	0.000
1589	766.700	1265.300	0.000
1590	670.800	1265.300	0.000
1591	575.000	1265.300	0.000
1592	1054.200	1362.700	0.000
1593	1150.000	1362.700	0.000
1594	958.300	1362.700	0.000
1595	862.500	1362.700	0.000
1596	766.700	1362.700	0.000
1597	670.800	1362.700	0.000
1598	575.000	1362.700	0.000
1599	1054.200	1460.000	0.000
1600	958.300	1460.000	0.000
1601	862.500	1460.000	0.000
1602	766.700	1460.000	0.000
1603	670.800	1460.000	0.000
1604	1150.000	-55.000	0.000
1605	1054.200	-55.000	0.000
1606	958.300	-55.000	0.000
1607	862.500	-55.000	0.000
1608	766.700	-55.000	0.000
1609	670.800	-55.000	0.000
1610	575.000	-55.000	0.000
1611	1150.000	-175.000	0.000
1612	1054.200	-175.000	0.000
1613	958.300	-175.000	0.000
1614	862.500	-175.000	0.000
1615	766.700	-175.000	0.000
1616	670.800	-175.000	0.000
1617	575.000	-175.000	0.000
1618	1054.200	1557.300	0.000
1619	1150.000	1557.300	0.000
1620	958.300	1557.300	0.000
1621	862.500	1557.300	0.000
1622	766.700	1557.300	0.000
1623	670.800	1557.300	0.000
1624	575.000	1557.300	0.000
1625	1054.200	1654.700	0.000
1626	1150.000	1654.700	0.000
1627	958.300	1654.700	0.000
1628	862.500	1654.700	0.000
1629	766.700	1654.700	0.000
1630	670.800	1654.700	0.000
1631	575.000	1654.700	0.000
1635	862.500	1752.000	0.000
1636	766.700	1752.000	0.000
1637	670.800	1752.000	0.000
1638	575.000	1752.000	0.000
1639	1054.200	1849.300	0.000
1640	1150.000	1849.300	0.000
1641	958.300	1849.300	0.000
1645	575.000	1849.300	0.000
1650	766.700	1946.700	0.000
1651	670.800	1946.700	0.000
1658	-479.200	0.000	0.000
1659	-479.200	97.300	0.000
1660	95.800	0.000	0.000
1661	95.800	97.300	0.000
1662	0.000	97.300	0.000
1663	-383.300	0.000	0.000
1664	-383.300	97.300	0.000
1665	191.700	0.000	0.000
1666	191.700	97.300	0.000
1667	-287.500	0.000	0.000
1668	-287.500	97.300	0.000
1669	287.500	0.000	0.000
1670	287.500	97.300	0.000
1671	-191.700	0.000	0.000
1672	-191.700	97.300	0.000
1673	383.300	0.000	0.000
1674	383.300	97.300	0.000
1675	-95.800	0.000	0.000
1676	-95.800	97.300	0.000
1677	479.200	0.000	0.000
1678	479.200	97.300	0.000
1679	-479.200	194.700	0.000
1680	95.800	194.700	0.000

1681	0.000	194.700	0.000
1682	-383.300	194.700	0.000
1683	191.700	194.700	0.000
1684	-287.500	194.700	0.000
1685	287.500	194.700	0.000
1686	-191.700	194.700	0.000
1687	383.300	194.700	0.000
1688	-95.800	194.700	0.000
1689	479.200	194.700	0.000
1690	-479.200	292.000	0.000
1691	95.800	292.000	0.000
1692	0.000	292.000	0.000
1693	-383.300	292.000	0.000
1694	191.700	292.000	0.000
1695	-287.500	292.000	0.000
1696	287.500	292.000	0.000
1697	-191.700	292.000	0.000
1698	383.300	292.000	0.000
1699	-95.800	292.000	0.000
1700	479.200	292.000	0.000
1701	-479.200	389.300	0.000
1702	95.800	389.300	0.000
1703	0.000	389.300	0.000
1704	-383.300	389.300	0.000
1705	191.700	389.300	0.000
1706	-287.500	389.300	0.000
1707	287.500	389.300	0.000
1708	-191.700	389.300	0.000
1709	383.300	389.300	0.000
1710	-95.800	389.300	0.000
1711	479.200	389.300	0.000
1712	-479.200	486.700	0.000
1713	95.800	486.700	0.000
1714	0.000	486.700	0.000
1715	-383.300	486.700	0.000
1716	191.700	486.700	0.000
1717	-287.500	486.700	0.000
1718	287.500	486.700	0.000
1719	-191.700	486.700	0.000
1720	383.300	486.700	0.000
1721	-95.800	486.700	0.000
1722	479.200	486.700	0.000
1723	-479.200	584.000	0.000
1724	95.800	584.000	0.000
1725	0.000	584.000	0.000
1726	-383.300	584.000	0.000
1727	191.700	584.000	0.000
1728	-287.500	584.000	0.000
1729	287.500	584.000	0.000
1730	-191.700	584.000	0.000
1731	383.300	584.000	0.000
1732	-95.800	584.000	0.000
1733	479.200	584.000	0.000
1734	-479.200	681.300	0.000
1735	95.800	681.300	0.000
1736	0.000	681.300	0.000
1737	-383.300	681.300	0.000
1738	191.700	681.300	0.000
1739	-287.500	681.300	0.000
1740	287.500	681.300	0.000
1741	-191.700	681.300	0.000
1742	383.300	681.300	0.000
1743	-95.800	681.300	0.000
1744	479.200	681.300	0.000
1745	-479.200	778.700	0.000
1746	95.800	778.700	0.000
1747	0.000	778.700	0.000
1748	-383.300	778.700	0.000
1749	191.700	778.700	0.000
1750	-287.500	778.700	0.000
1751	287.500	778.700	0.000
1752	-191.700	778.700	0.000
1753	383.300	778.700	0.000
1754	-95.800	778.700	0.000
1755	479.200	778.700	0.000
1756	-479.200	876.000	0.000
1757	95.800	876.000	0.000
1758	0.000	876.000	0.000
1759	-383.300	876.000	0.000
1760	191.700	876.000	0.000
1761	-287.500	876.000	0.000
1762	287.500	876.000	0.000
1763	-191.700	876.000	0.000
1764	383.300	876.000	0.000

1765	-95.800	876.000	0.000
1766	479.200	876.000	0.000
1767	-479.200	973.300	0.000
1768	95.800	973.300	0.000
1769	0.000	973.300	0.000
1770	-383.300	973.300	0.000
1771	191.700	973.300	0.000
1772	-287.500	973.300	0.000
1773	287.500	973.300	0.000
1774	-191.700	973.300	0.000
1775	383.300	973.300	0.000
1776	-95.800	973.300	0.000
1777	479.200	973.300	0.000
1778	-479.200	1070.700	0.000
1779	95.800	1070.700	0.000
1780	0.000	1070.700	0.000
1781	-383.300	1070.700	0.000
1782	191.700	1070.700	0.000
1783	-287.500	1070.700	0.000
1784	287.500	1070.700	0.000
1785	-191.700	1070.700	0.000
1786	383.300	1070.700	0.000
1787	-95.800	1070.700	0.000
1788	479.200	1070.700	0.000
1789	-479.200	1168.000	0.000
1790	95.800	1168.000	0.000
1791	0.000	1168.000	0.000
1792	-383.300	1168.000	0.000
1793	191.700	1168.000	0.000
1794	-287.500	1168.000	0.000
1795	287.500	1168.000	0.000
1796	-191.700	1168.000	0.000
1797	383.300	1168.000	0.000
1798	-95.800	1168.000	0.000
1799	479.200	1168.000	0.000
1800	-479.200	1265.300	0.000
1801	95.800	1265.300	0.000
1802	0.000	1265.300	0.000
1803	-383.300	1265.300	0.000
1804	191.700	1265.300	0.000
1805	-287.500	1265.300	0.000
1806	287.500	1265.300	0.000
1807	-191.700	1265.300	0.000
1808	383.300	1265.300	0.000
1809	-95.800	1265.300	0.000
1810	479.200	1265.300	0.000
1811	-479.200	1362.700	0.000
1812	95.800	1362.700	0.000
1813	0.000	1362.700	0.000
1814	-383.300	1362.700	0.000
1815	191.700	1362.700	0.000
1816	-287.500	1362.700	0.000
1817	287.500	1362.700	0.000
1818	-191.700	1362.700	0.000
1819	383.300	1362.700	0.000
1820	-95.800	1362.700	0.000
1821	479.200	1362.700	0.000
1822	-479.200	1460.000	0.000
1823	95.800	1460.000	0.000
1824	-383.300	1460.000	0.000
1825	191.700	1460.000	0.000
1826	-287.500	1460.000	0.000
1827	287.500	1460.000	0.000
1828	-191.700	1460.000	0.000
1829	383.300	1460.000	0.000
1830	-95.800	1460.000	0.000
1831	479.200	1460.000	0.000
1832	-479.200	-55.000	0.000
1833	0.000	-55.000	0.000
1834	95.800	-55.000	0.000
1835	-383.300	-55.000	0.000
1836	191.700	-55.000	0.000
1837	-287.500	-55.000	0.000
1838	287.500	-55.000	0.000
1839	-191.700	-55.000	0.000
1840	383.300	-55.000	0.000
1841	-95.800	-55.000	0.000
1842	479.200	-55.000	0.000
1843	-479.200	-175.000	0.000
1844	0.000	-175.000	0.000
1845	95.800	-175.000	0.000
1846	-383.300	-175.000	0.000
1847	191.700	-175.000	0.000
1848	-287.500	-175.000	0.000

1849	287.500	-175.000	0.000
1850	-191.700	-175.000	0.000
1851	383.300	-175.000	0.000
1852	-95.800	-175.000	0.000
1853	479.200	-175.000	0.000
1854	-479.200	1557.300	0.000
1855	95.800	1557.300	0.000
1856	0.000	1557.300	0.000
1857	-383.300	1557.300	0.000
1858	191.700	1557.300	0.000
1859	-287.500	1557.300	0.000
1860	287.500	1557.300	0.000
1861	-191.700	1557.300	0.000
1862	383.300	1557.300	0.000
1863	-95.800	1557.300	0.000
1864	479.200	1557.300	0.000
1865	-479.200	1654.700	0.000
1866	95.800	1654.700	0.000
1867	0.000	1654.700	0.000
1868	-383.300	1654.700	0.000
1869	191.700	1654.700	0.000
1870	-287.500	1654.700	0.000
1871	287.500	1654.700	0.000
1872	-191.700	1654.700	0.000
1873	383.300	1654.700	0.000
1874	-95.800	1654.700	0.000
1875	479.200	1654.700	0.000
1876	-479.200	1752.000	0.000
1877	95.800	1752.000	0.000
1878	0.000	1752.000	0.000
1879	-383.300	1752.000	0.000
1880	191.700	1752.000	0.000
1881	-287.500	1752.000	0.000
1882	287.500	1752.000	0.000
1883	-191.700	1752.000	0.000
1884	383.300	1752.000	0.000
1885	-95.800	1752.000	0.000
1886	479.200	1752.000	0.000
1887	0.000	1849.300	0.000
1888	-95.800	1849.300	0.000
1889	479.200	1849.300	0.000
1890	-191.700	1849.300	0.000
1891	383.300	1849.300	0.000
1892	-287.500	1849.300	0.000
1893	287.500	1849.300	0.000
1894	-383.300	1849.300	0.000
1895	191.700	1849.300	0.000
1896	-479.200	1849.300	0.000
1897	95.800	1849.300	0.000
1898	-95.800	1946.700	0.000
1899	0.000	1946.700	0.000
1907	383.300	2044.000	0.000
1911	287.500	2044.000	0.000
1913	-381.800	2068.300	0.000
1917	95.800	1946.700	0.000
1918	1629.200	0.000	0.000
1919	1629.200	97.300	0.000
1920	1725.000	97.300	0.000
1925	1533.300	0.000	0.000
1926	1533.300	97.300	0.000
1927	2106.400	0.000	0.000
1928	2096.700	97.300	0.000
1929	1437.500	0.000	0.000
1930	1437.500	97.300	0.000
1933	1341.700	0.000	0.000
1934	1341.700	97.300	0.000
1935	1916.700	0.000	0.000
1936	1916.700	97.300	0.000
1937	1245.800	0.000	0.000
1938	1245.800	97.300	0.000
1939	1820.800	0.000	0.000
1940	1820.800	97.300	0.000
1941	1629.200	194.700	0.000
1942	1725.000	194.700	0.000
1945	1533.300	194.700	0.000
1946	2087.000	194.700	0.000
1947	1437.500	194.700	0.000
1949	1341.700	194.700	0.000
1950	1916.700	194.700	0.000
1951	1245.800	194.700	0.000
1952	1820.800	194.700	0.000
1953	1629.200	292.000	0.000
1954	1725.000	292.000	0.000
1957	1533.300	292.000	0.000

1958	2077.400	292.000	0.000
1959	1437.500	292.000	0.000
1961	1341.700	292.000	0.000
1962	1916.700	292.000	0.000
1963	1245.800	292.000	0.000
1964	1820.800	292.000	0.000
1965	1629.200	389.300	0.000
1966	1725.000	389.300	0.000
1969	1533.300	389.300	0.000
1970	2067.700	389.300	0.000
1971	1437.500	389.300	0.000
1972	2012.500	389.300	0.000
1973	1341.700	389.300	0.000
1975	1245.800	389.300	0.000
1976	1820.800	389.300	0.000
1977	1629.200	486.700	0.000
1978	1725.000	486.700	0.000
1981	1533.300	486.700	0.000
1982	2058.000	486.700	0.000
1983	1437.500	486.700	0.000
1984	2012.500	486.700	0.000
1985	1341.700	486.700	0.000
1987	1245.800	486.700	0.000
1988	1820.800	486.700	0.000
1989	1629.200	584.000	0.000
1990	1725.000	584.000	0.000
1993	1533.300	584.000	0.000
1994	2048.400	584.000	0.000
1995	1437.500	584.000	0.000
1996	2012.500	584.000	0.000
1997	1341.700	584.000	0.000
1999	1245.800	584.000	0.000
2000	1820.800	584.000	0.000
2001	1629.200	681.300	0.000
2002	1725.000	681.300	0.000
2005	1533.300	681.300	0.000
2006	2038.700	681.300	0.000
2007	1437.500	681.300	0.000
2008	2012.500	681.300	0.000
2009	1341.700	681.300	0.000
2011	1245.800	681.300	0.000
2012	1820.800	681.300	0.000
2013	1629.200	778.700	0.000
2014	1725.000	778.700	0.000
2017	1533.300	778.700	0.000
2018	2029.600	773.200	0.000
2019	1437.500	778.700	0.000
2021	1341.700	778.700	0.000
2023	1245.800	778.700	0.000
2025	1629.200	876.000	0.000
2026	1725.000	876.000	0.000
2029	1533.300	876.000	0.000
2031	1437.500	876.000	0.000
2032	1956.100	876.000	0.000
2033	1341.700	876.000	0.000
2035	1245.800	876.000	0.000
2037	1629.200	973.300	0.000
2041	1533.300	973.300	0.000
2043	1437.500	973.300	0.000
2045	1341.700	973.300	0.000
2046	1886.600	973.300	0.000
2047	1245.800	973.300	0.000
2048	1820.800	973.300	0.000
2053	1533.300	1070.700	0.000
2055	1437.500	1070.700	0.000
2057	1341.700	1070.700	0.000
2059	1245.800	1070.700	0.000
2060	1817.100	1070.700	0.000
2062	1747.500	1168.000	0.000
2065	1533.300	1168.000	0.000
2067	1437.500	1168.000	0.000
2069	1341.700	1168.000	0.000
2071	1245.800	1168.000	0.000
2073	1629.200	1265.300	0.000
2074	1678.000	1265.300	0.000
2079	1437.500	1265.300	0.000
2081	1341.700	1265.300	0.000
2083	1245.800	1265.300	0.000
2085	1608.400	1362.700	0.000
2089	1533.300	1362.700	0.000
2093	1341.700	1362.700	0.000
2095	1245.800	1362.700	0.000
2097	1538.900	1460.000	0.000
2107	1245.800	1460.000	0.000

2110	1629.200	-55.000	0.000
2113	1533.300	-55.000	0.000
2114	2111.800	-55.000	0.000
2115	1437.500	-55.000	0.000
2117	1341.700	-55.000	0.000
2119	1245.800	-55.000	0.000
2121	1725.000	-175.000	0.000
2122	1629.200	-175.000	0.000
2125	1533.300	-175.000	0.000
2126	2123.800	-175.000	0.000
2127	1437.500	-175.000	0.000
2128	2012.500	-175.000	0.000
2129	1341.700	-175.000	0.000
2130	1916.700	-175.000	0.000
2131	1245.800	-175.000	0.000
2132	1820.800	-175.000	0.000
2137	1469.300	1557.300	0.000
2143	1245.800	1557.300	0.000
2151	1399.800	1654.700	0.000
2153	1341.700	1654.700	0.000
2157	-1629.200	0.000	0.000
2158	-1629.200	97.300	0.000
2159	-1725.000	97.300	0.000
2161	-2204.200	0.000	0.000
2162	-2204.200	97.300	0.000
2164	-1533.300	0.000	0.000
2165	-1533.300	97.300	0.000
2166	-2108.300	0.000	0.000
2167	-2108.300	97.300	0.000
2168	-1437.500	0.000	0.000
2169	-1437.500	97.300	0.000
2170	-2012.500	0.000	0.000
2171	-2012.500	97.300	0.000
2172	-1341.700	0.000	0.000
2173	-1341.700	97.300	0.000
2174	-1916.700	0.000	0.000
2175	-1916.700	97.300	0.000
2176	-1245.800	0.000	0.000
2177	-1245.800	97.300	0.000
2178	-1820.800	0.000	0.000
2179	-1820.800	97.300	0.000
2180	-1629.200	194.700	0.000
2181	-1725.000	194.700	0.000
2182	-2204.200	194.700	0.000
2184	-1533.300	194.700	0.000
2185	-2108.300	194.700	0.000
2186	-1437.500	194.700	0.000
2187	-2012.500	194.700	0.000
2188	-1341.700	194.700	0.000
2189	-1916.700	194.700	0.000
2190	-1245.800	194.700	0.000
2191	-1820.800	194.700	0.000
2192	-1629.200	292.000	0.000
2193	-1725.000	292.000	0.000
2195	-2300.000	292.000	0.000
2196	-1533.300	292.000	0.000
2197	-2108.300	292.000	0.000
2198	-1437.500	292.000	0.000
2199	-2012.500	292.000	0.000
2200	-1341.700	292.000	0.000
2201	-1916.700	292.000	0.000
2202	-1245.800	292.000	0.000
2203	-1820.800	292.000	0.000
2204	-1629.200	389.300	0.000
2205	-1725.000	389.300	0.000
2208	-1533.300	389.300	0.000
2210	-1437.500	389.300	0.000
2211	-2012.500	389.300	0.000
2212	-1341.700	389.300	0.000
2213	-1916.700	389.300	0.000
2214	-1245.800	389.300	0.000
2215	-1820.800	389.300	0.000
2216	-1629.200	486.700	0.000
2217	-1725.000	486.700	0.000
2218	-2204.200	486.700	0.000
2220	-1533.300	486.700	0.000
2222	-1437.500	486.700	0.000
2223	-2012.500	486.700	0.000
2224	-1341.700	486.700	0.000
2225	-1916.700	486.700	0.000
2226	-1245.800	486.700	0.000
2227	-1820.800	486.700	0.000
2228	-1629.200	584.000	0.000
2229	-1725.000	584.000	0.000

2232	-1533.300	584.000	0.000
2233	-2108.300	584.000	0.000
2234	-1437.500	584.000	0.000
2236	-1341.700	584.000	0.000
2237	-1916.700	584.000	0.000
2238	-1245.800	584.000	0.000
2239	-1820.800	584.000	0.000
2240	-1629.200	681.300	0.000
2241	-1725.000	681.300	0.000
2244	-1533.300	681.300	0.000
2246	-1437.500	681.300	0.000
2247	-2012.500	681.300	0.000
2248	-1341.700	681.300	0.000
2250	-1245.800	681.300	0.000
2251	-1820.800	681.300	0.000
2252	-1629.200	778.700	0.000
2253	-1725.000	778.700	0.000
2256	-1533.300	778.700	0.000
2258	-1437.500	778.700	0.000
2259	-2012.500	778.700	0.000
2260	-1341.700	778.700	0.000
2262	-1245.800	778.700	0.000
2263	-1820.800	778.700	0.000
2264	-1629.200	876.000	0.000
2265	-1725.000	876.000	0.000
2268	-1533.300	876.000	0.000
2270	-1437.500	876.000	0.000
2272	-1341.700	876.000	0.000
2273	-1916.700	876.000	0.000
2274	-1245.800	876.000	0.000
2276	-1629.200	973.300	0.000
2280	-1533.300	973.300	0.000
2282	-1437.500	973.300	0.000
2284	-1341.700	973.300	0.000
2286	-1245.800	973.300	0.000
2287	-1820.800	973.300	0.000
2288	-1629.200	1070.700	0.000
2292	-1533.300	1070.700	0.000
2294	-1437.500	1070.700	0.000
2296	-1341.700	1070.700	0.000
2298	-1245.800	1070.700	0.000
2301	-1725.000	1168.000	0.000
2304	-1533.300	1168.000	0.000
2306	-1437.500	1168.000	0.000
2308	-1341.700	1168.000	0.000
2310	-1245.800	1168.000	0.000
2312	-1629.200	1265.300	0.000
2318	-1437.500	1265.300	0.000
2320	-1341.700	1265.300	0.000
2322	-1245.800	1265.300	0.000
2328	-1533.300	1362.700	0.000
2332	-1341.700	1362.700	0.000
2334	-1245.800	1362.700	0.000
2346	-1245.800	1460.000	0.000
2348	-1725.000	-55.000	0.000
2349	-1629.200	-55.000	0.000
2352	-1533.300	-55.000	0.000
2354	-1437.500	-55.000	0.000
2356	-1341.700	-55.000	0.000
2358	-1245.800	-55.000	0.000
2360	-1725.000	-175.000	0.000
2361	-1629.200	-175.000	0.000
2362	-2300.000	-175.000	0.000
2363	-2204.200	-175.000	0.000
2364	-1533.300	-175.000	0.000
2365	-2108.300	-175.000	0.000
2366	-1437.500	-175.000	0.000
2367	-2012.500	-175.000	0.000
2368	-1341.700	-175.000	0.000
2369	-1916.700	-175.000	0.000
2370	-1245.800	-175.000	0.000
2371	-1820.800	-175.000	0.000
2378	-1437.500	1557.300	0.000
2382	-1245.800	1557.300	0.000
2392	-1341.700	1654.700	0.000
2396	-2418.900	-175.000	0.000
2397	-2418.900	-55.000	0.000
2400	-2418.900	0.000	0.000
2402	-2418.900	97.300	0.000
2404	-2418.900	194.700	0.000
2406	-2418.900	228.300	0.000
2408	-2303.900	389.300	0.000
2412	-1245.800	1752.000	0.000
2415	-1245.800	1849.300	0.000

2420	1245.800	1752.000	0.000
2421	1253.300	1859.800	0.000
2423	1329.200	1753.500	0.000
2426	-479.200	2044.000	0.000
2431	-84.100	2139.500	0.000
2432	0.000	2159.600	0.000
2433	84.100	2139.500	0.000
2442	1150.000	1884.500	0.000
2443	1054.200	1907.400	0.000
2444	958.300	1930.300	0.000
2445	890.100	1946.700	0.000
2446	862.500	1953.300	0.000
2447	766.700	1976.200	0.000
2448	670.800	1999.100	0.000
2449	287.500	2090.800	0.000
2450	383.300	2067.900	0.000
2451	479.200	2045.000	0.000
2453	577.000	2021.600	0.000
2454	168.100	2119.400	0.000
2455	168.100	2027.700	0.000
2459	-186.400	2115.000	0.000
2460	-282.200	2092.100	0.000
2462	-2234.300	486.700	0.000
2463	-2204.200	528.900	0.000
2464	-2164.800	584.000	0.000
2465	-2108.300	663.000	0.000
2466	-2095.200	681.300	0.000
2467	-2025.700	778.700	0.000
2468	-2012.500	797.100	0.000
2469	-1956.100	876.000	0.000
2470	-1916.700	931.300	0.000
2471	-1886.600	973.300	0.000
2473	-1747.500	1168.000	0.000
2474	-1725.000	1199.500	0.000
2475	-1678.000	1265.300	0.000
2476	-1629.200	1333.600	0.000
2477	-1608.400	1362.700	0.000
2479	-1533.300	1467.800	0.000
2480	-1469.300	1557.300	0.000
2481	-1437.500	1601.900	0.000
2482	-1399.800	1654.700	0.000
2483	-1341.700	1736.000	0.000
2484	-1330.300	1752.000	0.000
2485	-1260.700	1849.300	0.000
2486	-1253.300	1859.800	0.000
2487	-1817.400	1070.100	0.000
2498	-1150.000	1884.300	0.000
2499	-1054.200	1907.100	0.000
2500	-958.300	1930.000	0.000
2501	-888.100	1946.700	0.000
2502	-862.500	1952.800	0.000
2503	-766.700	1975.600	0.000
2504	-670.800	1998.400	0.000
2505	-575.000	2021.200	0.000
2506	-1245.800	1861.500	0.000
2519	-1150.000	1460.000	350.000
2520	-575.000	1460.000	350.000
2521	0.000	1460.000	350.000
2522	575.000	1460.000	350.000
2523	1150.000	1460.000	350.000
2524	-1054.200	1460.000	350.000
2525	-1054.200	1557.300	350.000
2526	-1150.000	1557.300	350.000
2527	-958.300	1460.000	350.000
2528	-958.300	1557.300	350.000
2529	-862.500	1460.000	350.000
2530	-862.500	1557.300	350.000
2531	-766.700	1460.000	350.000
2532	-766.700	1557.300	350.000
2533	-670.800	1460.000	350.000
2534	-670.800	1557.300	350.000
2535	-575.000	1557.300	350.000
2536	-1054.200	1654.700	350.000
2537	-1150.000	1654.700	350.000
2538	-958.300	1654.700	350.000
2539	-862.500	1654.700	350.000
2540	-766.700	1654.700	350.000
2541	-670.800	1654.700	350.000
2542	-575.000	1654.700	350.000
2543	-766.700	1752.000	350.000
2544	-862.500	1752.000	350.000
2545	-670.800	1752.000	350.000
2546	-575.000	1752.000	350.000
2547	1054.200	1460.000	350.000

2548	1054.200	1557.300	350.000
2549	1150.000	1557.300	350.000
2550	958.300	1460.000	350.000
2551	958.300	1557.300	350.000
2552	862.500	1460.000	350.000
2553	862.500	1557.300	350.000
2554	766.700	1460.000	350.000
2555	766.700	1557.300	350.000
2556	670.800	1460.000	350.000
2557	670.800	1557.300	350.000
2558	575.000	1557.300	350.000
2559	1054.200	1654.700	350.000
2560	1150.000	1654.700	350.000
2561	958.300	1654.700	350.000
2562	879.300	1625.300	350.000
2563	766.700	1625.300	350.000
2564	670.800	1625.300	350.000
2565	550.300	1625.300	350.000
2567	909.600	1752.000	350.000
2569	550.300	1752.000	350.000
2570	-479.200	1460.000	350.000
2571	-479.200	1557.300	350.000
2572	95.800	1460.000	350.000
2573	95.800	1557.300	350.000
2574	0.000	1557.300	350.000
2575	-383.300	1460.000	350.000
2576	-383.300	1557.300	350.000
2577	191.700	1460.000	350.000
2578	191.700	1557.300	350.000
2579	-287.500	1460.000	350.000
2580	-287.500	1557.300	350.000
2581	287.500	1460.000	350.000
2582	287.500	1557.300	350.000
2583	-191.700	1460.000	350.000
2584	-191.700	1557.300	350.000
2585	383.300	1460.000	350.000
2586	383.300	1557.300	350.000
2587	-95.800	1460.000	350.000
2588	-95.800	1557.300	350.000
2589	479.200	1460.000	350.000
2590	479.200	1557.300	350.000
2591	-479.200	1654.700	350.000
2592	95.800	1654.700	350.000
2593	0.000	1654.700	350.000
2594	-383.300	1654.700	350.000
2595	191.700	1654.700	350.000
2596	-287.500	1654.700	350.000
2597	287.500	1654.700	350.000
2598	-191.700	1654.700	350.000
2599	383.300	1654.700	350.000
2600	-95.800	1654.700	350.000
2601	479.200	1654.700	350.000
2602	-479.200	1752.000	350.000
2603	95.800	1752.000	350.000
2604	0.000	1752.000	350.000
2605	-383.300	1752.000	350.000
2606	191.700	1752.000	350.000
2607	-287.500	1752.000	350.000
2608	287.500	1752.000	350.000
2609	-191.700	1752.000	350.000
2610	383.300	1752.000	350.000
2611	-95.800	1752.000	350.000
2612	479.200	1752.000	350.000
2613	0.000	1849.300	350.000
2614	-95.800	1849.300	350.000
2615	550.300	1849.300	350.000
2616	479.200	1849.300	350.000
2617	-191.700	1849.300	350.000
2618	383.300	1849.300	350.000
2619	-287.500	1849.300	350.000
2620	287.500	1849.300	350.000
2621	-383.300	1849.300	350.000
2622	191.700	1849.300	350.000
2623	-479.200	1849.300	350.000
2624	95.800	1849.300	350.000
2625	0.000	1946.700	350.000
2626	-95.800	1946.700	350.000
2627	95.800	1946.700	350.000
2628	1245.800	1460.000	350.000
2629	1245.800	1557.300	350.000
2630	-1245.800	1460.000	350.000
2631	-1245.800	1557.300	350.000
2632	-1245.800	1362.700	350.000
2633	-1150.000	1362.700	350.000

2634	-1054.200	1362.700	350.000
2635	-958.300	1362.700	350.000
2636	-862.500	1362.700	350.000
2637	-766.700	1362.700	350.000
2638	-670.800	1362.700	350.000
2639	-575.000	1362.700	350.000
2640	-479.200	1362.700	350.000
2641	-383.300	1362.700	350.000
2642	-287.500	1362.700	350.000
2643	-191.700	1362.700	350.000
2644	-95.800	1362.700	350.000
2645	0.000	1362.700	350.000
2646	95.800	1362.700	350.000
2647	191.700	1362.700	350.000
2648	287.500	1362.700	350.000
2649	383.300	1362.700	350.000
2650	479.200	1362.700	350.000
2651	575.000	1362.700	350.000
2652	670.800	1362.700	350.000
2653	766.700	1362.700	350.000
2654	862.500	1362.700	350.000
2655	958.300	1362.700	350.000
2656	1054.200	1362.700	350.000
2657	1150.000	1362.700	350.000
2658	1245.800	1362.700	350.000
2660	-1725.000	0.000	350.000
2661	1725.000	0.000	350.000
2662	-1150.000	0.000	350.000
2663	-575.000	0.000	350.000
2664	0.000	0.000	350.000
2665	575.000	0.000	350.000
2666	1150.000	0.000	350.000
2667	1245.800	1265.300	350.000
2668	1150.000	1265.300	350.000
2669	1245.800	1168.000	350.000
2670	1150.000	1168.000	350.000
2671	1245.800	1070.700	350.000
2672	1150.000	1070.700	350.000
2673	1245.800	973.300	350.000
2674	1150.000	973.300	350.000
2675	1245.800	887.000	350.000
2676	1150.000	887.000	350.000
2677	1341.700	1265.300	350.000
2678	1341.700	1362.700	350.000
2679	1341.700	1168.000	350.000
2680	1341.700	1070.700	350.000
2681	1341.700	973.300	350.000
2682	1341.700	887.000	350.000
2683	1437.500	887.000	350.000
2684	1437.500	973.300	350.000
2685	1437.500	1070.700	350.000
2686	1437.500	1168.000	350.000
2687	1437.500	1265.300	350.000
2694	1533.300	1070.700	350.000
2698	1533.300	973.300	350.000
2699	1629.200	973.300	350.000
2701	1533.300	887.000	350.000
2702	1629.200	887.000	350.000
2703	1725.000	887.000	350.000
2706	1346.500	1446.500	350.000
2707	1150.000	887.000	0.000
2708	-2076.100	501.700	501.000
2709	-1990.600	621.400	522.400
2710	-1904.900	741.400	543.800
2711	-1819.100	861.400	565.200
2713	-1990.600	621.400	502.400
2714	-1904.900	741.400	523.800
2715	-1819.100	861.400	545.200
2716	-1559.100	1225.300	630.200
2717	-1476.200	1341.400	651.000
2718	-1391.400	1460.000	672.100
2720	-1559.100	1225.300	610.200
2721	-1476.200	1341.400	631.000
2722	-1391.400	1460.000	652.100
2724	1476.200	1341.400	651.000
2728	1476.200	1341.400	631.000
2729	1391.400	1460.000	672.100
2731	1559.100	1225.300	630.200
2753	1559.100	1225.300	610.200
2754	1391.400	1460.000	652.100
2755	1275.500	1622.300	681.100
2756	-2162.100	381.400	479.500
2757	-2162.100	381.400	459.500
2758	0.000	1581.400	1020.000

2759	575.000	1581.400	876.300
2760	1150.000	1581.400	732.500
2761	1275.500	1581.400	701.100
2762	-575.000	1581.400	876.300
2763	-1150.000	1581.400	732.500
2764	-1304.700	1581.400	693.800
2765	0.000	1581.400	1000.000
2766	-575.000	1581.400	856.300
2767	-1150.000	1581.400	712.500
2768	1150.000	1581.400	712.500
2769	575.000	1581.400	856.300
2770	-1304.700	1581.400	673.800
2771	1275.500	1581.400	681.100
2772	0.000	1701.400	1020.000
2773	575.000	1701.400	876.300
2774	1150.000	1701.400	732.500
2775	-575.000	1701.400	876.300
2776	-1150.000	1701.400	732.500
2778	1150.000	1701.400	712.500
2780	-1150.000	1701.400	712.500
2781	0.000	1701.400	1000.000
2782	-575.000	1701.400	856.300
2783	575.000	1701.400	856.300
2784	0.000	1821.400	1020.000
2785	575.000	1821.400	876.300
2786	1150.000	1821.400	732.500
2787	-575.000	1821.400	876.300
2788	-1150.000	1821.400	732.500
2794	1150.000	1821.400	712.500
2795	0.000	1821.400	1000.000
2796	-1150.000	1821.400	712.500
2797	0.000	2061.400	1020.000
2798	475.100	2061.400	901.200
2799	-479.400	2060.400	900.200
2800	0.000	2061.400	1000.000
2801	0.000	1941.400	1020.000
2802	575.000	1941.400	876.300
2803	0.000	1941.400	1000.000
2807	-575.000	1941.400	876.300
2808	-976.600	1941.400	775.800
2809	976.600	1941.400	775.800
2810	1299.100	1821.400	695.200
2811	-1299.100	1821.400	695.200
2812	-575.000	1821.400	856.300
2813	-575.000	1941.400	856.300
2814	575.000	1821.400	856.300
2815	575.000	1941.400	856.300
2816	1725.000	621.400	588.800

ASTE--|----------|----------|----------|----------|----------|num.= 546

Nome	Proprieta`	Nodo iniz.	Nodo fin.	Rilasci in.	Rilasci fin.	Orient.
1	1	1	2664			0.0
5	1	5	2665			0.0
6	1	7	2666			0.0
8	1	11	2663			180.0
9	1	13	2662			180.0
11	1	17	2521			0.0
12	1	19	2522			0.0
13	1	21	2523			0.0
14	1	23	2520			180.0
15	1	25	2519			180.0
41	2	16	1066			0.0
45	2	887	1062			0.0
46	2	888	1060			0.0
47	2	889	1059			0.0
48	2	890	1148			0.0
49	2	891	1147			0.0
50	2	892	1122			0.0
53	2	14	1065			0.0
55	2	12	1064			0.0
57	2	6	1150			0.0
59	2	8	1145			0.0
61	2	922	1107			0.0
72	6	24	2766			0.0
74	6	26	2767			0.0
76	2	10	1123			0.0
77	2	913	1132			0.0
78	6	22	2768			0.0
80	6	20	2769			0.0
83	3	326	899		RxRyRz	0.0
84	3	950	480		RxRyRz	0.0
85	3	952	905		RxRyRz	0.0
86	3	954	949		RxRyRz	0.0
87	3	956	940		RxRyRz	0.0

88	3	958	922			RxRyRz	0.0
99	3	979	913			RxRyRz	0.0
106	4	1188	1189	X	RyRz		0.0
107	4	1223	1318	X	RyRz		0.0
108	4	1225	1319	X	RyRz		0.0
109	4	1227	1320	X	RyRz		0.0
110	4	1235	1321	X	RyRz		0.0
111	4	1237	1322	X	RyRz		0.0
112	4	1249	1323	X	RyRz		0.0
113	4	1247	1324	X	RyRz		0.0
114	4	1251	1325	X	RyRz		0.0
115	4	1259	1326	X	RyRz		0.0
116	4	1261	1327	X	RyRz		0.0
117	4	1263	1328	X	RyRz		0.0
118	4	1265	1329	X	RyRz		0.0
119	4	1267	1330	X	RyRz		0.0
120	4	1269	1331	X	RyRz		0.0
122	4	2758	2759	X	RyRz		0.0
125	4	2797	2798	X	RyRz		0.0
130	4	1188	1192	X	RyRz		0.0
131	4	1223	1224	X	RyRz		0.0
132	4	1225	1226	X	RyRz		0.0
133	4	1227	1228	X	RyRz		0.0
134	4	1235	1236	X	RyRz		0.0
135	4	1237	1238	X	RyRz		0.0
136	4	1249	1250	X	RyRz		0.0
138	4	1251	1252	X	RyRz		0.0
139	4	1259	1260	X	RyRz		0.0
140	4	1261	1262	X	RyRz		0.0
141	4	1263	1264	X	RyRz		0.0
142	4	1265	1266	X	RyRz		0.0
143	4	1267	1268	X	RyRz		0.0
144	4	1269	1270	X	RyRz		0.0
146	4	2758	2762	X	RyRz		0.0
149	4	2797	2799	X	RyRz		0.0
153	3	1045	543			RxRyRz	0.0
154	3	1046	893			RxRyRz	0.0
155	3	1051	138			RxRyRz	0.0
156	3	1052	760			RxRyRz	0.0
157	2	4	987				0.0
158	2	987	988				0.0
159	2	988	989				0.0
160	2	989	2				0.0
161	2	2	991				0.0
162	2	991	993				0.0
163	2	993	995				0.0
164	2	995	997				0.0
165	2	997	999				0.0
166	2	999	1001				0.0
167	2	1001	1003				0.0
168	2	1003	1005				0.0
169	2	1005	1007				0.0
170	2	1007	1009				0.0
171	2	1009	1011				0.0
172	6	1011	1013				0.0
173	6	1013	18				0.0
174	6	18	2765				0.0
175	2	2765	2781				0.0
176	2	2781	2795				0.0
178	2	899	2800				0.0
179	2	2800	3				0.0
180	7	980	1112				0.0
181	7	138	1113				0.0
182	7	824	1114				0.0
184	7	826	1115				0.0
185	7	827	1116				0.0
186	7	1116	1117				0.0
188	7	830	1118				0.0
189	7	837	760				0.0
190	7	760	1119				0.0
191	7	982	1057				0.0
192	7	893	1068				0.0
193	7	668	669				0.0
194	7	669	1069				0.0
195	7	543	1078				0.0
196	4	1194	1189	X	RyRz		0.0
197	4	1189	1195				0.0
198	4	1195	1196				0.0
199	4	1196	1197				0.0
200	4	1197	984				0.0
203	4	1199	985				0.0
223	4	1202	1203	X	RyRz		0.0
224	4	1203	1204				0.0
225	4	1204	2729				0.0

226	4	2772	2773	X	RyRz	0.0
227	4	2774	1020			0.0
228	4	2784	2785	X	RyRz	0.0
229	4	2785	2786			0.0
230	4	1194	1192	X	RyRz	0.0
231	4	1192	1208			0.0
232	4	1208	1209			0.0
233	4	1209	1216			0.0
236	4	1210	1026			0.0
246	4	1202	1212	X	RyRz	0.0
247	4	1212	1213			0.0
248	4	1213	2718			0.0
249	4	2772	2775	X	RyRz	0.0
250	4	2776	1042			0.0
251	4	2784	2787	X	RyRz	0.0
252	4	2787	2788			0.0
253	4	1043	1216			0.0
266	4	1247	1248	X	RyRz	0.0
268	4	1219	1028			0.0
269	7	1057	893			0.0
272	4	1220	1219			0.0
273	2	1059	16			0.0
274	4	1221	1209			0.0
275	2	1060	1061			0.0
276	2	1061	14			0.0
277	4	1222	1220			0.0
278	4	1224	1221			0.0
279	2	1062	1063			0.0
280	2	1063	12			0.0
281	4	1226	1222			0.0
282	4	1228	1229			0.0
283	2	1064	1073			0.0
284	4	1229	1230			0.0
285	2	1065	1072			0.0
286	4	1230	1231			0.0
287	2	1066	1071			0.0
290	4	1231	1029			0.0
291	7	1068	668			0.0
292	4	1232	1030			0.0
293	7	1069	543			0.0
296	4	1233	1232			0.0
297	2	1071	1076			0.0
298	2	1072	1075			0.0
299	4	1234	1233			0.0
300	2	1073	1074			0.0
301	4	1236	1234			0.0
302	4	1238	1239			0.0
303	2	1074	1087			0.0
304	4	1239	1240			0.0
305	2	1075	1084			0.0
306	4	1240	1241			0.0
307	2	1076	1081			0.0
310	4	1241	1031			0.0
316	2	1081	1083			0.0
317	4	1243	2756			0.0
320	2	1083	1090			0.0
321	4	1244	2708			0.0
322	4	1245	1243			0.0
323	2	1084	1085			0.0
324	4	1246	1244			0.0
325	2	1085	1089			0.0
326	4	1248	1246			0.0
327	2	1086	1088			0.0
328	4	1250	1245			0.0
329	2	1087	1086			0.0
330	4	1252	1253			0.0
331	2	1088	1097			0.0
332	4	1253	1254			0.0
333	2	1089	1096			0.0
334	4	1254	2709			0.0
335	2	1090	1093			0.0
340	2	1093	1094			0.0
341	4	1255	2710			0.0
342	2	1094	1106			0.0
343	4	1256	2711			0.0
344	2	1095	1103			0.0
345	4	1257	1256			0.0
346	2	1096	1095			0.0
347	4	1258	1255			0.0
348	2	1097	1098			0.0
349	4	1260	1258			0.0
350	4	1262	1257			0.0
351	2	1098	1099			0.0
352	4	1264	1271			0.0

353	2	1099	1100	0.0
354	4	1266	1272	0.0
355	2	1100	1101	0.0
356	4	1268	1273	0.0
357	6	1101	1102	0.0
358	4	1270	1276	0.0
359	8	1102	24	0.0
360	4	1271	1274	0.0
361	2	1103	1104	0.0
362	4	1272	1275	0.0
363	2	1104	1105	0.0
364	4	1273	2716	0.0
365	6	1105	1108	0.0
366	2	1106	922	0.0
367	4	1274	1037	0.0
369	4	1275	1038	0.0
370	6	1108	26	0.0
371	4	1276	2717	0.0
372	2	2766	2782	0.0
373	4	2762	2763	0.0
375	4	2763	2764	0.0
376	4	2775	2776	0.0
378	4	1282	990	0.0
379	7	1112	138	0.0
380	4	1283	992	0.0
381	7	1113	824	0.0
382	4	1284	994	0.0
383	7	1114	826	0.0
384	4	1285	996	0.0
385	7	1115	827	0.0
386	4	1286	998	0.0
388	4	1287	1000	0.0
389	7	1117	830	0.0
390	4	1288	1002	0.0
391	7	1118	837	0.0
392	4	1289	1004	0.0
393	7	1119	1120	0.0
394	4	1290	1006	0.0
395	7	1120	1121	0.0
397	4	1291	1008	0.0
398	4	1292	1282	0.0
399	2	1122	10	0.0
400	4	1293	1283	0.0
401	2	1123	1124	0.0
402	4	1294	1284	0.0
403	2	1124	1125	0.0
404	4	1295	1285	0.0
405	2	1125	1126	0.0
406	4	1296	1286	0.0
407	2	1126	1127	0.0
408	4	1297	1287	0.0
409	2	1127	1128	0.0
410	4	2816	1288	0.0
411	2	1128	1129	0.0
412	4	1299	1289	0.0
413	2	1129	1130	0.0
414	4	1300	1290	0.0
415	2	1130	1131	0.0
416	4	1301	1291	0.0
417	2	1131	913	0.0
418	4	1302	1010	0.0
421	4	2760	2761	0.0
422	6	1134	22	0.0
423	4	1304	2724	0.0
424	6	1135	1134	0.0
425	4	1305	2731	0.0
426	2	1136	1135	0.0
427	4	1306	1302	0.0
428	2	1137	1136	0.0
429	4	1307	1301	0.0
430	2	1138	1137	0.0
431	4	1308	1300	0.0
432	2	1139	1138	0.0
433	4	1309	1299	0.0
434	2	1140	1139	0.0
435	4	1310	2816	0.0
436	2	1141	1140	0.0
437	4	1311	1297	0.0
438	2	1142	1141	0.0
439	4	1312	1296	0.0
440	2	1143	1142	0.0
441	4	1313	1295	0.0
442	2	1144	1143	0.0
443	4	1314	1294	0.0

444	2	1145	1144		0.0
445	4	1315	1293		0.0
446	2	1146	8		0.0
447	4	1316	1292		0.0
448	2	1147	1146		0.0
449	4	1317	1196		0.0
450	2	1148	1149		0.0
451	4	1318	1317		0.0
452	4	1319	1316		0.0
453	2	1149	6		0.0
454	4	1320	1315		0.0
455	2	1150	1151		0.0
456	4	1321	1314		0.0
457	2	1151	1152		0.0
458	4	1322	1313		0.0
459	2	1152	1153		0.0
460	4	1323	1312		0.0
461	2	1153	1154		0.0
462	4	1324	1311		0.0
463	2	1154	1155		0.0
464	4	1325	1310		0.0
465	2	1155	1156		0.0
466	4	1326	1309		0.0
467	2	1156	1157		0.0
468	4	1327	1308		0.0
469	2	1157	1158		0.0
470	4	1328	1307		0.0
471	2	1158	1159		0.0
472	4	1329	1306		0.0
473	2	1159	1160		0.0
474	4	1330	1305		0.0
475	6	1160	1161		0.0
476	4	1331	1304		0.0
477	8	1161	20		0.0
478	4	2759	2760		0.0
479	2	2769	2783		0.0
480	4	2773	2774		0.0
482	3	4	1194	RxRyRz	0.0
483	3	987	1188	RxRyRz	0.0
484	3	988	1223	RxRyRz	0.0
485	3	989	1225	RxRyRz	0.0
486	3	991	1227	RxRyRz	0.0
487	3	993	1235	RxRyRz	0.0
488	3	995	1237	RxRyRz	0.0
489	3	997	1249	RxRyRz	0.0
490	3	999	1247	RxRyRz	0.0
491	3	1001	1251	RxRyRz	0.0
492	3	1003	1259	RxRyRz	0.0
493	3	1005	1261	RxRyRz	0.0
494	3	1007	1263	RxRyRz	0.0
495	3	1009	1265	RxRyRz	0.0
496	3	1011	1267	RxRyRz	0.0
497	3	1013	1269	RxRyRz	0.0
498	3	18	1202	RxRyRz	0.0
499	3	2765	2758	RxRyRz	0.0
500	3	2781	2772	RxRyRz	0.0
501	3	2795	2784	RxRyRz	0.0
502	3	2800	2797	RxRyRz	0.0
503	3	3	1198	RxRyRz	0.0
506	3	887	1192	RxRyRz	0.0
507	3	1062	1224	RxRyRz	0.0
508	3	1063	1226	RxRyRz	0.0
509	3	1064	1228	RxRyRz	0.0
510	3	1073	1236	RxRyRz	0.0
511	3	1074	1238	RxRyRz	0.0
512	3	1087	1250	RxRyRz	0.0
513	3	1086	1248	RxRyRz	0.0
514	3	1088	1252	RxRyRz	0.0
515	3	1097	1260	RxRyRz	0.0
516	3	1098	1262	RxRyRz	0.0
517	3	1099	1264	RxRyRz	0.0
518	3	1100	1266	RxRyRz	0.0
519	3	1101	1268	RxRyRz	0.0
520	3	1102	1270	RxRyRz	0.0
521	3	24	1212	RxRyRz	0.0
522	3	2766	2762	RxRyRz	0.0
523	3	2782	2775	RxRyRz	0.0
524	3	2812	2787	RxRyRz	0.0
525	3	881	1193	RxRyRz	0.0
526	3	888	1208	RxRyRz	0.0
527	3	1060	1221	RxRyRz	0.0
528	3	1061	1222	RxRyRz	0.0
529	3	1065	1229	RxRyRz	0.0
530	3	1072	1234	RxRyRz	0.0

531	3	1075	1239	RxRyRz	0.0
532	3	1084	1245	RxRyRz	0.0
533	3	1085	1246	RxRyRz	0.0
534	3	1089	1253	RxRyRz	0.0
535	3	1096	1258	RxRyRz	0.0
536	3	1095	1257	RxRyRz	0.0
537	3	1103	1271	RxRyRz	0.0
538	3	1104	1272	RxRyRz	0.0
539	3	1105	1273	RxRyRz	0.0
540	3	1108	1276	RxRyRz	0.0
541	3	26	1213	RxRyRz	0.0
542	3	2767	2763	RxRyRz	0.0
543	3	2780	2776	RxRyRz	0.0
544	3	2796	2788	RxRyRz	0.0
545	3	889	1209	RxRyRz	0.0
546	3	1059	1220	RxRyRz	0.0
547	3	1066	1230	RxRyRz	0.0
548	3	1071	1233	RxRyRz	0.0
549	3	1076	1240	RxRyRz	0.0
550	3	1081	1243	RxRyRz	0.0
551	3	1083	1244	RxRyRz	0.0
552	3	1090	1254	RxRyRz	0.0
553	3	1093	1255	RxRyRz	0.0
554	3	1094	1256	RxRyRz	0.0
555	3	1106	1274	RxRyRz	0.0
556	3	1107	1275	RxRyRz	0.0
558	3	982	1216	RxRyRz	0.0
559	3	1057	1219	RxRyRz	0.0
560	3	1068	1231	RxRyRz	0.0
561	3	1069	1232	RxRyRz	0.0
562	3	1078	1241	RxRyRz	0.0
565	3	980	1197	RxRyRz	0.0
566	3	1112	1282	RxRyRz	0.0
567	3	1113	1283	RxRyRz	0.0
568	3	1114	1284	RxRyRz	0.0
569	3	1115	1285	RxRyRz	0.0
570	3	1116	1286	RxRyRz	0.0
571	3	1117	1287	RxRyRz	0.0
572	3	1118	1288	RxRyRz	0.0
573	3	1119	1289	RxRyRz	0.0
574	3	1120	1290	RxRyRz	0.0
575	3	1121	1291	RxRyRz	0.0
577	3	892	1196	RxRyRz	0.0
578	3	1122	1292	RxRyRz	0.0
579	3	1123	1293	RxRyRz	0.0
580	3	1124	1294	RxRyRz	0.0
581	3	1125	1295	RxRyRz	0.0
582	3	1126	1296	RxRyRz	0.0
583	3	1127	1297	RxRyRz	0.0
584	3	1128	2816	RxRyRz	0.0
585	3	1129	1299	RxRyRz	0.0
586	3	1130	1300	RxRyRz	0.0
587	3	1131	1301	RxRyRz	0.0
588	3	1132	1302	RxRyRz	0.0
590	3	891	1195	RxRyRz	0.0
591	3	1147	1317	RxRyRz	0.0
592	3	1146	1316	RxRyRz	0.0
593	3	1145	1315	RxRyRz	0.0
594	3	1144	1314	RxRyRz	0.0
595	3	1143	1313	RxRyRz	0.0
596	3	1142	1312	RxRyRz	0.0
597	3	1141	1311	RxRyRz	0.0
598	3	1140	1310	RxRyRz	0.0
599	3	1139	1309	RxRyRz	0.0
600	3	1138	1308	RxRyRz	0.0
601	3	1137	1307	RxRyRz	0.0
602	3	1136	1306	RxRyRz	0.0
603	3	1135	1305	RxRyRz	0.0
604	3	1134	1304	RxRyRz	0.0
605	3	22	1204	RxRyRz	0.0
606	3	2768	2760	RxRyRz	0.0
607	3	2778	2774	RxRyRz	0.0
608	3	2794	2786	RxRyRz	0.0
609	3	890	1189	RxRyRz	0.0
610	3	1148	1318	RxRyRz	0.0
611	3	1149	1319	RxRyRz	0.0
612	3	1150	1320	RxRyRz	0.0
613	3	1151	1321	RxRyRz	0.0
614	3	1152	1322	RxRyRz	0.0
615	3	1153	1323	RxRyRz	0.0
616	3	1154	1324	RxRyRz	0.0
617	3	1155	1325	RxRyRz	0.0
618	3	1156	1326	RxRyRz	0.0
619	3	1157	1327	RxRyRz	0.0

620	3	1158	1328			RxRyRz	0.0
621	3	1159	1329			RxRyRz	0.0
622	3	1160	1330			RxRyRz	0.0
623	3	1161	1331			RxRyRz	0.0
624	3	20	1203			RxRyRz	0.0
625	3	2769	2759			RxRyRz	0.0
626	3	2783	2773			RxRyRz	0.0
627	3	2815	2802			RxRyRz	0.0
628	3	884	1191			RxRyRz	0.0
629	1	2519	26			RxRyRz	180.0
630	1	2520	24			RxRyRz	180.0
631	1	2521	18			RxRyRz	0.0
632	1	2522	20			RxRyRz	0.0
633	1	2523	22			RxRyRz	0.0
634	5	2660	2662				0.0
635	1	15	2660				180.0
636	1	2660	16			RxRyRz	180.0
637	1	9	2661				0.0
638	1	2661	10			RxRyRz	0.0
639	1	2662	14			RxRyRz	180.0
640	5	2662	2663				0.0
641	1	2663	12			RxRyRz	180.0
642	5	2663	2664				0.0
643	1	2664	2			RxRyRz	0.0
644	5	2664	2665				0.0
645	1	2665	6			RxRyRz	0.0
646	5	2665	2666				0.0
647	1	2666	8			RxRyRz	0.0
648	5	2666	2661				0.0
649	1	2707	2676				0.0
650	4	2708	1033				0.0
651	4	2709	1034				0.0
652	4	2710	1035				0.0
653	4	2711	1036				0.0
654	3	925	2708			RxRyRz	0.0
655	3	2713	2709			RxRyRz	0.0
656	3	2714	2710			RxRyRz	0.0
657	3	2715	2711			RxRyRz	0.0
658	4	2716	1211				0.0
659	4	2717	1039				0.0
660	4	2718	1040				0.0
661	4	2764	1041				0.0
662	3	2720	2716			RxRyRz	0.0
663	3	2721	2717			RxRyRz	0.0
664	3	2722	2718			RxRyRz	0.0
665	3	2770	2764			RxRyRz	0.0
666	4	2724	1014				0.0
670	3	2728	2724			RxRyRz	0.0
671	4	2729	1016				0.0
672	4	2761	1018				0.0
673	4	2731	1201				0.0
685	3	2753	2731			RxRyRz	0.0
686	3	2754	2729			RxRyRz	0.0
687	3	2771	2761			RxRyRz	0.0
688	4	2756	1032				0.0
689	3	2757	2756			RxRyRz	0.0
690	4	2801	2802	X	RyRz		0.0
691	3	2803	2801			RxRyRz	0.0
695	4	2801	2807	X	RyRz		0.0
696	4	2807	2808				0.0
697	4	2802	2809				0.0
698	4	2786	2810				0.0
699	4	2788	2811				0.0
700	2	2795	2803				0.0
701	2	2803	899				0.0
702	3	2813	2807			RxRyRz	0.0
703	2	2782	2812				0.0
704	2	2812	949				0.0
705	2	949	2813				0.0
706	2	2813	881				0.0
707	3	2814	2785			RxRyRz	0.0
708	2	2783	2814				0.0
709	2	2814	480				0.0
710	2	480	2815				0.0
711	2	2815	884				0.0
712	4	1191	2809				0.0
713	4	2809	1199				0.0
714	4	1198	2798	X	RyRz		0.0
715	4	2798	1191				0.0
716	4	1198	2799	X	RyRz		0.0
717	4	2799	1193				0.0
718	4	1193	2808				0.0
719	4	2808	1210				0.0
720	2	2768	2778				0.0

721	2	2778	905		0.0
722	2	905	2794		0.0
723	2	2794	885		0.0
724	3	885	1199	RxRyRz	0.0
725	2	2767	2780		0.0
726	2	2780	940		0.0
727	2	940	2796		0.0
728	2	2796	882		0.0
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GUSCI TRIANGOLARI--|----------|----------|----------|----------|num.= 167

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746	1	750	915	914
756	1	765	921	2728
767	1	2757	554	924
781	1	2715	585	929
795	1	933	645	2721
834	1	308	309	944
844	1	287	289	947
852	1	407	406	952
853	1	952	406	409
855	1	407	952	410
867	1	221	220	956
868	1	956	220	223
870	1	221	956	224
875	1	958	595	931
878	1	958	585	929
882	1	740	979	912
883	1	750	979	914
916	1	819	1115	826
917	1	819	820	1115
918	1	1115	820	827
919	1	823	1118	830
920	1	823	836	1118
921	1	1118	836	837
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1575	2	2018	694	2032
1601	2	2046	2048	2060
1615	2	2060	686	2062
1628	2	2074	2073	2085
1642	2	2085	2089	2097
1692	2	2137	674	2151
1976	2	2406	2195	2408
1993	2	2423	2420	2421
1994	2	2151	2153	2423
1998	2	1913	170	2460
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2013	2	694	692	2032
2014	2	330	1626	331
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2016	2	331	1625	334
2017	2	331	334	1639
2018	2	331	1639	1640
2019	2	330	331	1640
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2042	2	1641	2445	2444
2047	2	2451	353	2453
2048	2	355	353	2451
2052	2	365	363	2455
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2057	2	502	504	2218
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2060	2	500	2197	502
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2073	2	166	1913	168
2074	2	162	1896	164
2075	2	162	164	1490
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2142	2	2468	2273	2469
2145	2	2470	2287	2471
2153	2	2474	2312	2475
2159	2	2476	2328	2477
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2163	2	2479	528	2378
2165	2	2481	2392	2482
2168	2	2483	2412	2484
2203	2	2502	1488	2503
2211	2	1479	2501	2500
2213	2	1490	164	2505
2214	2	2505	164	2426
2218	2	1911	361	359
2221	2	680	2079	678
2222	2	2089	680	678
2225	2	682	2065	680
2226	2	2073	682	680
2228	2	682	2062	684
2229	2	684	686	2062
2231	2	690	2026	688
2232	2	2048	690	688
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2434	1	152	2537	151
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2471	2	1641	345	346
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2508	1	274	2538	203
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2511	2	351	353	1651
2534	1	723	2687	718
2538	1	733	2694	728
2546	1	748	2703	743
2547	1	2628	708	2706
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GUSCI RETTANGOLARI|----------|----------|----------|----------|num.= 1670

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188	1	278	239	251	280
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190	1	280	251	263	282
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1892	2	2360	2361	2349	2348
1893	2	2362	2363	70	69
1894	2	2361	2364	2352	2349
1895	2	2363	2365	73	70
1896	2	2364	2366	2354	2352
1897	2	2365	2367	75	73
1898	2	2366	2368	2356	2354
1899	2	2367	2369	77	75
1900	2	2368	2370	2358	2356
1901	2	2369	2371	79	77
1902	2	2370	1449	1442	2358
1903	2	2371	2360	2348	79
1912	2	530	2346	2382	532
1914	2	2346	25	1457	2382
1926	2	2382	1457	1464	534

1966	2	2396	2362	69	2397
1968	2	2397	69	658	2400
1970	2	2400	658	660	2402
1972	2	2402	660	496	2404
1974	2	2404	496	2195	2406
1984	2	2412	139	1478	2415
1987	2	1899	1917	365	176
1990	2	2420	330	1640	2421
1992	2	2153	670	2420	2423
1996	2	164	166	1913	2426
2000	2	172	174	2431	2459
2001	2	174	176	2432	2431
2002	2	176	365	2433	2432
2021	2	1640	1639	2443	2442
2023	2	1639	1641	2444	2443
2030	2	1650	1651	2448	2447
2032	2	1911	1907	2450	2449
2043	2	1641	346	2446	2445
2045	2	1651	353	2453	2448
2049	2	2454	2455	1911	2449
2051	2	365	2455	2454	2433
2071	2	2459	172	170	2460
2096	2	2466	2247	2259	2467
2127	2	2484	2412	2415	2485
2134	2	2218	504	2233	2463
2140	2	2233	506	2247	2465
2143	2	2259	510	2273	2468
2146	2	2273	514	2287	2470
2147	2	2487	518	2301	2473
2151	2	2287	516	518	2487
2154	2	2301	520	2312	2474
2160	2	2312	524	2328	2476
2166	2	2378	532	2392	2481
2169	2	2392	534	2412	2483
2196	2	1478	1477	2499	2498
2198	2	1477	1479	2500	2499
2205	2	1488	1489	2504	2503
2207	2	1489	1490	2505	2504
2209	2	2415	1478	2498	2506
2212	2	1479	155	2502	2501
2217	2	2485	2415	2506	2486
2219	2	2455	1911	361	363
2272	1	2519	2524	2525	2526
2273	1	2524	2527	2528	2525
2274	1	2527	2529	2530	2528
2275	1	2529	2531	2532	2530
2276	1	2531	2533	2534	2532
2277	1	2533	2520	2535	2534
2278	1	2526	2525	2536	2537
2279	1	2525	2528	2538	2536
2280	1	2528	2530	2539	2538
2281	1	2530	2532	2540	2539
2282	1	2532	2534	2541	2540
2283	1	2534	2535	2542	2541
2284	1	2539	2540	2543	2544
2285	1	2540	2541	2545	2543
2286	1	2541	2542	2546	2545
2287	1	2523	2547	2548	2549
2288	1	2547	2550	2551	2548
2289	1	2550	2552	2553	2551
2290	1	2552	2554	2555	2553
2291	1	2554	2556	2557	2555
2292	1	2556	2522	2558	2557
2293	1	2549	2548	2559	2560
2294	1	2548	2551	2561	2559
2295	1	2551	2553	2562	2561
2296	1	2553	2555	2563	2562
2297	1	2555	2557	2564	2563
2298	1	2557	2558	2565	2564
2302	1	2520	2570	2571	2535
2303	1	2521	2572	2573	2574
2304	1	2570	2575	2576	2571
2305	1	2572	2577	2578	2573
2306	1	2575	2579	2580	2576
2307	1	2577	2581	2582	2578
2308	1	2579	2583	2584	2580
2309	1	2581	2585	2586	2582
2310	1	2583	2587	2588	2584
2311	1	2585	2589	2590	2586
2312	1	2587	2521	2574	2588
2313	1	2589	2522	2558	2590
2314	1	2535	2571	2591	2542
2315	1	2574	2573	2592	2593
2316	1	2571	2576	2594	2591

2317	1	2573	2578	2595	2592
2318	1	2576	2580	2596	2594
2319	1	2578	2582	2597	2595
2320	1	2580	2584	2598	2596
2321	1	2582	2586	2599	2597
2322	1	2584	2588	2600	2598
2323	1	2586	2590	2601	2599
2324	1	2588	2574	2593	2600
2325	1	2590	2558	2565	2601
2326	1	2542	2591	2602	2546
2327	1	2593	2592	2603	2604
2328	1	2591	2594	2605	2602
2329	1	2592	2595	2606	2603
2330	1	2594	2596	2607	2605
2331	1	2595	2597	2608	2606
2332	1	2596	2598	2609	2607
2333	1	2597	2599	2610	2608
2334	1	2598	2600	2611	2609
2335	1	2599	2601	2612	2610
2336	1	2600	2593	2604	2611
2337	1	2601	2565	2569	2612
2338	1	2611	2604	2613	2614
2339	1	2612	2569	2615	2616
2340	1	2609	2611	2614	2617
2341	1	2610	2612	2616	2618
2342	1	2607	2609	2617	2619
2343	1	2608	2610	2618	2620
2344	1	2605	2607	2619	2621
2345	1	2606	2608	2620	2622
2346	1	2602	2605	2621	2623
2347	1	2603	2606	2622	2624
2348	1	2604	2603	2624	2613
2349	1	2614	2613	2625	2626
2350	1	2613	2624	2627	2625
2351	1	2628	2523	2549	2629
2352	1	2630	2519	2526	2631
2353	1	708	2628	2629	703
2354	1	2629	2549	2560	698
2355	1	2561	2562	2567	390
2376	1	2616	2615	393	394
2377	1	2618	2616	394	395
2379	1	2620	2618	395	396
2380	1	2624	2622	397	2627
2381	1	2622	2620	396	397
2382	1	2625	2627	399	213
2383	1	2626	2625	213	212
2405	1	623	2630	2631	628
2406	1	2631	2526	2537	633
2408	1	2538	2539	2544	203
2411	1	2544	2543	204	202
2412	1	2543	2545	205	204
2414	1	2546	2602	2623	206
2415	1	2545	2546	206	205
2417	1	2623	2621	208	207
2418	1	2621	2619	209	208
2419	1	2617	2614	2626	210
2420	1	2619	2617	210	209
2421	1	210	2626	212	211
2475	1	2632	2633	2519	2630
2476	1	2633	2634	2524	2519
2477	1	2634	2635	2527	2524
2478	1	2635	2636	2529	2527
2479	1	2636	2637	2531	2529
2480	1	2637	2638	2533	2531
2481	1	2638	2639	2520	2533
2482	1	2639	2640	2570	2520
2483	1	2640	2641	2575	2570
2484	1	2641	2642	2579	2575
2485	1	2643	2644	2587	2583
2486	1	2642	2643	2583	2579
2487	1	2644	2645	2521	2587
2488	1	2645	2646	2572	2521
2489	1	2646	2647	2577	2572
2490	1	2647	2648	2581	2577
2491	1	2648	2649	2585	2581
2492	1	2649	2650	2589	2585
2493	1	2650	2651	2522	2589
2494	1	2652	2651	2522	2556
2495	1	2653	2652	2556	2554
2496	1	2654	2653	2554	2552
2497	1	2655	2654	2552	2550
2498	1	2656	2655	2550	2547
2499	1	2657	2656	2547	2523
2500	1	2658	2657	2523	2628

2502	1	613	618	2630	2632
2513	3	16	14	2662	2660
2514	3	14	12	2663	2662
2515	3	12	2	2664	2663
2516	3	2	6	2665	2664
2517	3	6	8	2666	2665
2518	3	8	10	2661	2666
2519	1	2667	2668	2657	2658
2520	1	2669	2670	2668	2667
2521	1	2671	2672	2670	2669
2522	1	2673	2674	2672	2671
2523	1	2675	2676	2674	2673
2524	1	2677	2667	2658	2678
2525	1	2679	2669	2667	2677
2526	1	2680	2671	2669	2679
2527	1	2681	2673	2671	2680
2528	1	2682	2675	2673	2681
2529	1	2683	2682	2681	2684
2530	1	2684	2681	2680	2685
2531	1	2685	2680	2679	2686
2532	1	2686	2679	2677	2687
2533	1	2687	2677	2678	718
2535	1	728	2686	2687	723
2537	1	2694	2685	2686	728
2540	1	2698	2684	2685	2694
2541	1	2699	2698	2694	733
2542	1	743	2699	733	738
2543	1	2701	2683	2684	2698
2544	1	2702	2701	2698	2699
2545	1	2703	2702	2699	743
2549	1	2706	713	718	2678
2550	1	2628	2706	2678	2658
2570	3	1222	1226	1228	1229
2571	3	1220	1222	1229	1230
2572	3	1229	1228	1236	1234
2573	3	1230	1229	1234	1233
2574	3	1234	1236	1238	1239
2575	3	1233	1234	1239	1240
2576	3	1239	1238	1250	1245
2577	3	1240	1239	1245	1243
2578	3	1245	1250	1248	1246
2579	3	1243	1245	1246	1244
2580	3	1246	1248	1252	1253
2581	3	1244	1246	1253	1254
2582	3	1253	1252	1260	1258
2583	3	1254	1253	1258	1255
2584	3	1258	1260	1262	1257
2585	3	1255	1258	1257	1256
2586	3	1271	1264	1266	1272
2587	3	1274	1271	1272	1275
2588	3	1257	1262	1264	1271
2589	3	1256	1257	1271	1274
2609	3	1316	1292	1293	1315
2610	3	1319	1316	1315	1320
2611	3	1315	1293	1294	1314
2612	3	1320	1315	1314	1321
2613	3	1314	1294	1295	1313
2614	3	1321	1314	1313	1322
2615	3	1313	1295	1296	1312
2616	3	1322	1313	1312	1323
2617	3	1312	1296	1297	1311
2618	3	1323	1312	1311	1324
2619	3	1311	1297	2816	1310
2620	3	1324	1311	1310	1325
2621	3	1310	2816	1299	1309
2622	3	1325	1310	1309	1326
2623	3	1309	1299	1300	1308
2624	3	1326	1309	1308	1327
2625	3	1307	1301	1302	1306
2626	3	1328	1307	1306	1329
2627	3	1308	1300	1301	1307
2628	3	1327	1308	1307	1328
2632	3	1272	1273	1268	1266
2634	3	1273	1276	1270	1268
2636	3	1276	1213	1212	1270
2638	3	1213	2763	2762	1212
2639	3	2776	2788	2787	2775
2640	3	2763	2776	2775	2762
2642	3	1329	1306	1305	1330
2644	3	1330	1305	1304	1331
2646	3	1331	1304	1204	1203
2648	3	1203	1204	2760	2759
2649	3	2773	2774	2786	2785
2650	3	2759	2760	2774	2773

2651	3	1220	1209	1221	1222
2652	3	1221	1224	1226	1222
2653	3	1318	1317	1316	1319
2654	3	1317	1196	1292	1316

PROPRIETA` ASTE---|----------|----------|----------|----------|num.= 8

Nome	Materiale	Base	Altezza	Area	Area tag. Y	Area tag. Z
		Kw vertic.	Kw orizz.	J tors.	J fless. Y	J fless. Z
1	1	60.00	60.00	3.60000E+03	3.00000E+03	3.00000E+03
		0.000000	0.000000	1.82517E+06	1.08000E+06	1.08000E+06
2	3	60.00	140.00	8.40000E+03	7.00000E+03	7.00000E+03
		0.000000	0.000000	7.36599E+06	2.52000E+06	1.37200E+07
3	2	10.00	10.00	7.85398E+01	7.06858E+01	7.06858E+01
		0.000000	0.000000	9.81748E+02	4.90874E+02	4.90874E+02
4	3	22.00	48.00	1.05600E+03	8.80000E+02	8.80000E+02
		0.000000	0.000000	1.21354E+05	4.25920E+04	2.02752E+05
5	1	60.00	30.00	1.80000E+03	1.50000E+03	1.50000E+03
		0.000000	0.000000	3.70783E+05	5.40000E+05	1.35000E+05
6	3	60.00	180.00	1.08000E+04	9.00000E+03	9.00000E+03
		0.000000	0.000000	1.02411E+07	3.24000E+06	2.91600E+07
7	3	24.00	60.00	1.44000E+03	1.20000E+03	1.20000E+03
		0.000000	0.000000	2.06954E+05	6.91200E+04	4.32000E+05
8	3	60.00	192.00	1.15200E+04	9.60000E+03	9.60000E+03
		0.000000	0.000000	1.11045E+07	3.45600E+06	3.53894E+07

PROPRIETA` GUSCI--|----------|----------|----------|----------|num.= 3

Nome	Materiale	Sp.membr.	Sp. piastra	Kw
1	1	30.00	30.00	0.000000
2	1	40.00	40.00	5.000000
3	3	1.00	0.00	0.000000

MATERIALI---------|----------|----------|----------|----------|num.= 3

Nome	Mod. elast.	Coeff. nu	Mod. tang.	Peso spec.	Dil. te.
1	3.00000E+05	1.50000E-01	1.30000E+05	2.50000E-03	1.00000E-05
2	2.10000E+06	3.00000E-01	8.50000E+05	7.85000E-03	1.00000E-05
3	1.00000E+05	2.50000E-01	6.00000E+03	6.00000E-04	0.00000E+00

VINCOLI----------|----------|----------|----------|----------|num.= 968

Nodo	Rigid. X	Rigid. Y	Rigid. Z	Rigid. RX	Rigid. RY	Rigid. RZ
1	bloccato	bloccato	libero	libero	libero	libero
5	bloccato	bloccato	libero	libero	libero	libero
7	bloccato	bloccato	libero	libero	libero	libero
9	bloccato	bloccato	libero	libero	libero	libero
11	bloccato	bloccato	libero	libero	libero	libero
13	bloccato	bloccato	libero	libero	libero	libero
15	bloccato	bloccato	libero	libero	libero	libero
17	bloccato	bloccato	libero	libero	libero	libero
19	bloccato	bloccato	libero	libero	libero	libero
21	bloccato	bloccato	libero	libero	libero	libero
23	bloccato	bloccato	libero	libero	libero	libero
25	bloccato	bloccato	libero	libero	libero	libero
69	bloccato	bloccato	libero	libero	libero	libero
70	bloccato	bloccato	libero	libero	libero	libero
73	bloccato	bloccato	libero	libero	libero	libero
75	bloccato	bloccato	libero	libero	libero	libero
77	bloccato	bloccato	libero	libero	libero	libero
79	bloccato	bloccato	libero	libero	libero	libero
111	bloccato	bloccato	libero	libero	libero	libero
112	bloccato	bloccato	libero	libero	libero	libero
115	bloccato	bloccato	libero	libero	libero	libero
117	bloccato	bloccato	libero	libero	libero	libero
139	bloccato	bloccato	libero	libero	libero	libero
140	bloccato	bloccato	libero	libero	libero	libero
143	bloccato	bloccato	libero	libero	libero	libero
154	bloccato	bloccato	libero	libero	libero	libero
155	bloccato	bloccato	libero	libero	libero	libero
158	bloccato	bloccato	libero	libero	libero	libero
160	bloccato	bloccato	libero	libero	libero	libero
162	bloccato	bloccato	libero	libero	libero	libero
164	bloccato	bloccato	libero	libero	libero	libero
166	bloccato	bloccato	libero	libero	libero	libero
168	bloccato	bloccato	libero	libero	libero	libero
170	bloccato	bloccato	libero	libero	libero	libero
172	bloccato	bloccato	libero	libero	libero	libero
174	bloccato	bloccato	libero	libero	libero	libero
176	bloccato	bloccato	libero	libero	libero	libero
330	bloccato	bloccato	libero	libero	libero	libero
331	bloccato	bloccato	libero	libero	libero	libero
334	bloccato	bloccato	libero	libero	libero	libero
345	bloccato	bloccato	libero	libero	libero	libero
346	bloccato	bloccato	libero	libero	libero	libero
349	bloccato	bloccato	libero	libero	libero	libero
351	bloccato	bloccato	libero	libero	libero	libero
353	bloccato	bloccato	libero	libero	libero	libero

355	bloccato	bloccato	libero	libero	libero	libero
357	bloccato	bloccato	libero	libero	libero	libero
359	bloccato	bloccato	libero	libero	libero	libero
361	bloccato	bloccato	libero	libero	libero	libero
363	bloccato	bloccato	libero	libero	libero	libero
365	bloccato	bloccato	libero	libero	libero	libero
496	bloccato	bloccato	libero	libero	libero	libero
497	bloccato	bloccato	libero	libero	libero	libero
500	bloccato	bloccato	libero	libero	libero	libero
502	bloccato	bloccato	libero	libero	libero	libero
504	bloccato	bloccato	libero	libero	libero	libero
506	bloccato	bloccato	libero	libero	libero	libero
508	bloccato	bloccato	libero	libero	libero	libero
510	bloccato	bloccato	libero	libero	libero	libero
512	bloccato	bloccato	libero	libero	libero	libero
514	bloccato	bloccato	libero	libero	libero	libero
516	bloccato	bloccato	libero	libero	libero	libero
518	bloccato	bloccato	libero	libero	libero	libero
520	bloccato	bloccato	libero	libero	libero	libero
522	bloccato	bloccato	libero	libero	libero	libero
524	bloccato	bloccato	libero	libero	libero	libero
526	bloccato	bloccato	libero	libero	libero	libero
528	bloccato	bloccato	libero	libero	libero	libero
530	bloccato	bloccato	libero	libero	libero	libero
532	bloccato	bloccato	libero	libero	libero	libero
534	bloccato	bloccato	libero	libero	libero	libero
658	bloccato	bloccato	libero	libero	libero	libero
660	bloccato	bloccato	libero	libero	libero	libero
670	bloccato	bloccato	libero	libero	libero	libero
672	bloccato	bloccato	libero	libero	libero	libero
674	bloccato	bloccato	libero	libero	libero	libero
676	bloccato	bloccato	libero	libero	libero	libero
678	bloccato	bloccato	libero	libero	libero	libero
680	bloccato	bloccato	libero	libero	libero	libero
682	bloccato	bloccato	libero	libero	libero	libero
684	bloccato	bloccato	libero	libero	libero	libero
686	bloccato	bloccato	libero	libero	libero	libero
688	bloccato	bloccato	libero	libero	libero	libero
690	bloccato	bloccato	libero	libero	libero	libero
692	bloccato	bloccato	libero	libero	libero	libero
694	bloccato	bloccato	libero	libero	libero	libero
782	bloccato	bloccato	libero	libero	libero	libero
784	bloccato	bloccato	libero	libero	libero	libero
786	bloccato	bloccato	libero	libero	libero	libero
788	bloccato	bloccato	libero	libero	libero	libero
790	bloccato	bloccato	libero	libero	libero	libero
792	bloccato	bloccato	libero	libero	libero	libero
794	bloccato	bloccato	libero	libero	libero	libero
831	bloccato	bloccato	libero	libero	libero	libero
1334	bloccato	bloccato	libero	libero	libero	libero
1335	bloccato	bloccato	libero	libero	libero	libero
1336	bloccato	bloccato	libero	libero	libero	libero
1337	bloccato	bloccato	libero	libero	libero	libero
1338	bloccato	bloccato	libero	libero	libero	libero
1339	bloccato	bloccato	libero	libero	libero	libero
1340	bloccato	bloccato	libero	libero	libero	libero
1341	bloccato	bloccato	libero	libero	libero	libero
1342	bloccato	bloccato	libero	libero	libero	libero
1343	bloccato	bloccato	libero	libero	libero	libero
1344	bloccato	bloccato	libero	libero	libero	libero
1345	bloccato	bloccato	libero	libero	libero	libero
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1920	bloccato	bloccato	libero	libero	libero	libero

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1970	bloccato	bloccato	libero	libero	libero	libero
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2018	bloccato	bloccato	libero	libero	libero	libero
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2500	bloccato	bloccato	libero	libero	libero	libero
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2505	bloccato	bloccato	libero	libero	libero	libero
2506	bloccato	bloccato	libero	libero	libero	libero
2707	bloccato	bloccato	libero	libero	libero	libero

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CARICHI NODI------|-----------|-----------|-----------|-----------|num.=   7549
  Nome                        Nodo   Direzione  Intensita`
    1 -  3140 : Forze Dinamiche (Autovettori)
 3141 -  5392 : Forze Sismiche  (Analisi Semplificata)
 5393 -  7549 : Momenti Torcenti Addizionali

CARICHI DI SOLAIO-|-----------|-----------|-----------|-----------|num.=      9
  Nome   Cos X   Cos Y   Cos Z Cond. Rifer.    Intens.       Quota
     1  0.0000 -1.0000  0.0000    1   glob    -0.01000     1020.00
     2  0.0000  1.0000  0.0000    1   glob    -0.01000     1020.00
     3  0.0000 -1.0000  0.0000    2   glob    -0.00500     1020.00
     4  0.0000  1.0000  0.0000    2   glob    -0.00500     1020.00
     5  0.0000 -1.0000  0.0000    6   glob    -0.00500     1020.00
     6  0.0000 -1.0000  0.0000    4   glob    -0.09000     1020.00
     7  0.0000  1.0000  0.0000    4   glob    -0.09000     1020.00
     8  0.0000 -1.0000  0.0000    8   glob    -0.05000     1020.00
     9  0.0000  1.0000  0.0000    8   glob    -0.05000     1020.00

CARICHI ASTE------|-----------|-----------|-----------|-----------|num.=    863
  Nome                        Asta Dir Tip RIF Parametro 1 Parametro 2 Parametro 3 Parametro  4
  7550 S002-tetto              231  Z   FT glo      -0.583     -0.292      0.000      0.000
  7551 S002-tetto              232  Z   FT glo      -0.292      0.000      0.000      0.000
  7552 S002-tetto              236  Z   FT glo      -0.371     -0.244      0.000      0.000
  7553 S002-tetto              253  Z   FT glo      -0.220     -0.288      0.000      0.000
  7554 S002-tetto              268  Z   FT glo      -0.872     -0.803      0.000      0.000
  7555 S002-tetto              274  Z   FT glo      -0.875     -0.582      0.000      0.000
  7556 S002-tetto              277  Z   FT glo      -1.164     -1.164      0.000      0.000
  7557 S002-tetto              284  Z   FT glo      -1.164     -1.164      0.000      0.000
  7558 S002-tetto              290  Z   FT glo      -1.164     -1.164      0.000      0.000
  7559 S002-tetto              292  Z   FT glo      -1.060     -1.373      0.000      0.000
  7560 S002-tetto              299  Z   FT glo      -1.160     -1.157      0.000      0.000
  7561 S002-tetto              304  Z   FT glo      -1.164     -1.164      0.000      0.000
  7562 S002-tetto              310  Z   FT glo      -1.497     -0.831      0.000      0.000
  7563 S002-tetto              322  Z   FT glo      -1.172     -1.176      0.000      0.000
  7564 S002-tetto              324  Z   FT glo      -1.164     -1.164      0.000      0.000
  7565 S002-tetto              332  Z   FT glo      -1.161     -1.159      0.000      0.000
  7566 S002-tetto              345  Z   FT glo      -1.164     -1.164      0.000      0.000
  7567 S002-tetto              347  Z   FT glo      -1.164     -1.164      0.000      0.000
  7568 S002-tetto              360  Z   FT glo      -1.164     -1.164      0.000      0.000
  7569 S002-tetto              367  Z   FT glo      -1.305     -1.023      0.000      0.000
  7570 S002-tetto              362  Z   FT glo      -1.183     -1.183      0.000      0.000
  7571 S002-tetto              369  Z   FT glo      -1.785     -0.582      0.000      0.000
  7572 S002-tetto              306  Z   FT glo      -1.164     -1.164      0.000      0.000
  7573 S002-tetto              296  Z   FT glo      -1.157     -1.155      0.000      0.000
  7574 S002-tetto              286  Z   FT glo      -1.164     -1.164      0.000      0.000
  7575 S002-tetto              272  Z   FT glo      -1.164     -0.872      0.000      0.000
  7576 S002-tetto              233  Z   FT glo      -0.579     -0.288      0.000      0.000
  7577 S002-tetto              321  Z   FT glo      -1.164     -1.164      0.000      0.000
  7578 S002-tetto              650  Z   FT glo      -1.319     -1.009      0.000      0.000
  7579 S002-tetto              334  Z   FT glo      -1.159     -1.162      0.000      0.000
  7580 S002-tetto              651  Z   FT glo      -1.317     -1.008      0.000      0.000
  7581 S002-tetto              341  Z   FT glo      -1.164     -1.164      0.000      0.000
  7582 S002-tetto              652  Z   FT glo      -1.320     -1.009      0.000      0.000
  7583 S002-tetto              343  Z   FT glo      -1.164     -1.164      0.000      0.000
  7584 S002-tetto              653  Z   FT glo      -1.320     -1.009      0.000      0.000
  7585 S002-tetto              364  Z   FT glo      -1.164     -1.164      0.000      0.000
  7586 S002-tetto              658  Z   FT glo      -1.305     -1.024      0.000      0.000
  7587 S002-tetto              371  Z   FT glo      -1.138     -1.138      0.000      0.000
  7588 S002-tetto              659  Z   FT glo      -1.289     -0.988      0.000      0.000
  7589 S002-tetto              248  Z   FT glo      -1.164     -1.164      0.000      0.000
  7590 S002-tetto              660  Z   FT glo      -1.325     -1.003      0.000      0.000
  7591 S002-tetto              317  Z   FT glo      -1.176     -1.174      0.000      0.000
  7592 S002-tetto              688  Z   FT glo      -1.329     -1.018      0.000      0.000
  7593 S002-tetto              130  Z   FT glo      -0.879     -0.586      0.000      0.000
  7594 S002-tetto              230  Z   FT glo      -0.292      0.000      0.000      0.000
  7595 S002-tetto              247  Z   FT glo      -1.164     -1.164      0.000      0.000
  7596 S002-tetto              358  Z   FT glo      -1.138     -1.138      0.000      0.000
  7597 S002-tetto              356  Z   FT glo      -1.164     -1.164      0.000      0.000
  7598 S002-tetto              354  Z   FT glo      -1.183     -1.183      0.000      0.000
  7599 S002-tetto              352  Z   FT glo      -1.164     -1.164      0.000      0.000
  7600 S002-tetto              350  Z   FT glo      -1.164     -1.164      0.000      0.000
  7601 S002-tetto              349  Z   FT glo      -1.164     -1.164      0.000      0.000
  7602 S002-tetto              330  Z   FT glo      -1.163     -1.161      0.000      0.000
  7603 S002-tetto              326  Z   FT glo      -1.164     -1.164      0.000      0.000
  7604 S002-tetto              328  Z   FT glo      -1.168     -1.172      0.000      0.000
  7605 S002-tetto              302  Z   FT glo      -1.164     -1.164      0.000      0.000
  7606 S002-tetto              301  Z   FT glo      -1.162     -1.160      0.000      0.000
  7607 S002-tetto              282  Z   FT glo      -1.164     -1.164      0.000      0.000
  7608 S002-tetto              281  Z   FT glo      -1.164     -1.164      0.000      0.000
  7609 S002-tetto              278  Z   FT glo      -1.168     -0.875      0.000      0.000
  7610 S002-tetto              246  Z   FT glo      -1.164     -1.164      0.000      0.000
  7611 S002-tetto              144  Z   FT glo      -1.138     -1.138      0.000      0.000
  7612 S002-tetto              143  Z   FT glo      -1.164     -1.164      0.000      0.000
  7613 S002-tetto              142  Z   FT glo      -1.183     -1.183      0.000      0.000
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7615	S002-tetto	140	Z	FT glo	-1.164	-1.164	0.000	0.000
7616	S002-tetto	139	Z	FT glo	-1.164	-1.164	0.000	0.000
7617	S002-tetto	138	Z	FT glo	-1.164	-1.163	0.000	0.000
7618	S002-tetto	266	Z	FT glo	-1.164	-1.164	0.000	0.000
7619	S002-tetto	136	Z	FT glo	-1.164	-1.168	0.000	0.000
7620	S002-tetto	135	Z	FT glo	-1.164	-1.164	0.000	0.000
7621	S002-tetto	134	Z	FT glo	-1.164	-1.162	0.000	0.000
7622	S002-tetto	133	Z	FT glo	-1.164	-1.164	0.000	0.000
7623	S002-tetto	132	Z	FT glo	-1.164	-1.164	0.000	0.000
7624	S002-tetto	131	Z	FT glo	-1.168	-1.168	0.000	0.000
7625	S002-tetto	146	Z	FT glo	-1.171	-1.171	0.000	0.000
7626	S002-tetto	373	Z	FT glo	-1.171	-1.171	0.000	0.000
7627	S002-tetto	249	Z	FT glo	-1.164	-1.164	0.000	0.000
7628	S002-tetto	376	Z	FT glo	-1.164	-1.164	0.000	0.000
7629	S002-tetto	250	Z	FT glo	-1.242	-1.087	0.000	0.000
7630	S002-tetto	251	Z	FT glo	-1.164	-1.164	0.000	0.000
7631	S002-tetto	252	Z	FT glo	-1.207	-1.061	0.000	0.000
7632	S002-tetto	699	Z	FT glo	-0.970	-0.793	0.000	0.000
7633	S002-tetto	695	Z	FT glo	-1.179	-1.125	0.000	0.000
7634	S002-tetto	696	Z	FT glo	-1.048	-0.582	0.000	0.000
7635	S002-tetto	149	Z	FT glo	-1.134	-0.577	0.000	0.000
7636	S002-tetto	716	Z	FT glo	-0.537	0.000	0.000	0.000
7637	S002-tetto	717	Z	FT glo	-0.562	-0.454	0.000	0.000
7638	S002-tetto	718	Z	FT glo	-0.454	0.000	0.000	0.000
7639	S002-tetto	719	Z	FT glo	-0.567	-0.371	0.000	0.000
7640	S002-tetto	375	Z	FT glo	-1.171	-1.171	0.000	0.000
7641	S002-tetto	661	Z	FT glo	-1.326	-1.015	0.000	0.000
7642	S001-tetto	197	Z	FT glo	-0.583	-0.292	0.000	0.000
7643	S001-tetto	198	Z	FT glo	-0.292	0.000	0.000	0.000
7644	S001-tetto	199	Z	FT glo	-0.579	-0.437	0.000	0.000
7645	S001-tetto	200	Z	FT glo	-0.476	-0.289	0.000	0.000
7646	S001-tetto	203	Z	FT glo	-0.371	-0.244	0.000	0.000
7647	S001-tetto	378	Z	FT glo	-1.115	-0.766	0.000	0.000
7648	S001-tetto	380	Z	FT glo	-1.253	-0.973	0.000	0.000
7649	S001-tetto	382	Z	FT glo	-1.253	-0.973	0.000	0.000
7650	S001-tetto	384	Z	FT glo	-1.253	-0.973	0.000	0.000
7651	S001-tetto	386	Z	FT glo	-1.253	-0.973	0.000	0.000
7652	S001-tetto	388	Z	FT glo	-1.253	-0.973	0.000	0.000
7653	S001-tetto	390	Z	FT glo	-1.253	-0.973	0.000	0.000
7654	S001-tetto	392	Z	FT glo	-1.244	-0.713	0.000	0.000
7655	S001-tetto	394	Z	FT glo	-1.733	-0.582	0.000	0.000
7656	S001-tetto	397	Z	FT glo	-0.731	-0.582	0.000	0.000
7657	S001-tetto	398	Z	FT glo	-1.164	-1.026	0.000	0.000
7658	S001-tetto	400	Z	FT glo	-1.164	-1.164	0.000	0.000
7659	S001-tetto	402	Z	FT glo	-1.164	-1.164	0.000	0.000
7660	S001-tetto	404	Z	FT glo	-1.164	-1.164	0.000	0.000
7661	S001-tetto	406	Z	FT glo	-1.164	-1.164	0.000	0.000
7662	S001-tetto	408	Z	FT glo	-1.164	-1.164	0.000	0.000
7663	S001-tetto	412	Z	FT glo	-1.164	-1.164	0.000	0.000
7664	S001-tetto	414	Z	FT glo	-1.164	-1.164	0.000	0.000
7665	S001-tetto	416	Z	FT glo	-1.294	-0.569	0.000	0.000
7666	S001-tetto	418	Z	FT glo	-1.785	-0.582	0.000	0.000
7667	S001-tetto	427	Z	FT glo	-1.183	-1.183	0.000	0.000
7668	S001-tetto	429	Z	FT glo	-1.164	-1.164	0.000	0.000
7669	S001-tetto	431	Z	FT glo	-1.164	-1.164	0.000	0.000
7670	S001-tetto	433	Z	FT glo	-1.164	-1.164	0.000	0.000
7671	S001-tetto	437	Z	FT glo	-1.164	-1.164	0.000	0.000
7672	S001-tetto	439	Z	FT glo	-1.164	-1.164	0.000	0.000
7673	S001-tetto	441	Z	FT glo	-1.164	-1.164	0.000	0.000
7674	S001-tetto	443	Z	FT glo	-1.164	-1.164	0.000	0.000
7675	S001-tetto	445	Z	FT glo	-1.164	-1.164	0.000	0.000
7676	S001-tetto	447	Z	FT glo	-1.164	-1.164	0.000	0.000
7677	S001-tetto	449	Z	FT glo	-0.875	-0.582	0.000	0.000
7678	S001-tetto	423	Z	FT glo	-1.138	-1.138	0.000	0.000
7679	S001-tetto	666	Z	FT glo	-1.289	-0.988	0.000	0.000
7680	S001-tetto	225	Z	FT glo	-1.164	-1.164	0.000	0.000
7681	S001-tetto	671	Z	FT glo	-1.297	-0.416	0.000	0.000
7682	S001-tetto	425	Z	FT glo	-1.164	-1.164	0.000	0.000
7683	S001-tetto	673	Z	FT glo	-1.305	-1.024	0.000	0.000
7684	S001-tetto	106	Z	FT glo	-0.879	-0.586	0.000	0.000
7685	S001-tetto	196	Z	FT glo	-0.292	0.000	0.000	0.000
7686	S001-tetto	223	Z	FT glo	-1.164	-1.164	0.000	0.000
7687	S001-tetto	120	Z	FT glo	-1.138	-1.138	0.000	0.000
7688	S001-tetto	119	Z	FT glo	-1.164	-1.164	0.000	0.000
7689	S001-tetto	118	Z	FT glo	-1.183	-1.183	0.000	0.000
7690	S001-tetto	117	Z	FT glo	-1.164	-1.164	0.000	0.000
7691	S001-tetto	116	Z	FT glo	-1.164	-1.164	0.000	0.000
7692	S001-tetto	115	Z	FT glo	-1.164	-1.164	0.000	0.000
7693	S001-tetto	114	Z	FT glo	-1.164	-1.164	0.000	0.000
7694	S001-tetto	113	Z	FT glo	-1.164	-1.164	0.000	0.000
7695	S001-tetto	112	Z	FT glo	-1.164	-1.164	0.000	0.000
7696	S001-tetto	111	Z	FT glo	-1.164	-1.164	0.000	0.000
7697	S001-tetto	110	Z	FT glo	-1.164	-1.164	0.000	0.000

7698	S001-tetto	109	Z	FT glo	-1.164	-1.164	0.000	0.000
7699	S001-tetto	108	Z	FT glo	-1.164	-1.164	0.000	0.000
7700	S001-tetto	107	Z	FT glo	-1.168	-1.168	0.000	0.000
7701	S001-tetto	451	Z	FT glo	-1.168	-0.875	0.000	0.000
7702	S001-tetto	452	Z	FT glo	-1.164	-1.164	0.000	0.000
7703	S001-tetto	454	Z	FT glo	-1.164	-1.164	0.000	0.000
7704	S001-tetto	456	Z	FT glo	-1.164	-1.164	0.000	0.000
7705	S001-tetto	458	Z	FT glo	-1.164	-1.164	0.000	0.000
7706	S001-tetto	460	Z	FT glo	-1.164	-1.164	0.000	0.000
7707	S001-tetto	462	Z	FT glo	-1.164	-1.164	0.000	0.000
7708	S001-tetto	464	Z	FT glo	-1.164	-1.164	0.000	0.000
7709	S001-tetto	466	Z	FT glo	-1.164	-1.164	0.000	0.000
7710	S001-tetto	468	Z	FT glo	-1.164	-1.164	0.000	0.000
7711	S001-tetto	470	Z	FT glo	-1.164	-1.164	0.000	0.000
7712	S001-tetto	472	Z	FT glo	-1.183	-1.183	0.000	0.000
7713	S001-tetto	474	Z	FT glo	-1.164	-1.164	0.000	0.000
7714	S001-tetto	476	Z	FT glo	-1.138	-1.138	0.000	0.000
7715	S001-tetto	224	Z	FT glo	-1.164	-1.164	0.000	0.000
7716	S001-tetto	122	Z	FT glo	-1.171	-1.171	0.000	0.000
7717	S001-tetto	478	Z	FT glo	-1.171	-1.171	0.000	0.000
7718	S001-tetto	421	Z	FT glo	-1.171	-1.171	0.000	0.000
7719	S001-tetto	226	Z	FT glo	-1.164	-1.164	0.000	0.000
7720	S001-tetto	480	Z	FT glo	-1.164	-1.164	0.000	0.000
7721	S001-tetto	672	Z	FT glo	-1.274	-0.731	0.000	0.000
7722	S001-tetto	227	Z	FT glo	-1.261	-0.854	0.000	0.000
7723	S001-tetto	228	Z	FT glo	-1.164	-1.164	0.000	0.000
7724	S001-tetto	229	Z	FT glo	-1.207	-1.061	0.000	0.000
7725	S001-tetto	698	Z	FT glo	-0.970	-0.793	0.000	0.000
7726	S001-tetto	690	Z	FT glo	-1.181	-1.127	0.000	0.000
7727	S001-tetto	697	Z	FT glo	-1.048	-0.582	0.000	0.000
7728	S001-tetto	125	Z	FT glo	-1.134	-0.582	0.000	0.000
7729	S001-tetto	712	Z	FT glo	-0.454	0.000	0.000	0.000
7730	S001-tetto	713	Z	FT glo	-0.567	-0.371	0.000	0.000
7731	S001-tetto	714	Z	FT glo	-0.537	0.000	0.000	0.000
7732	S001-tetto	715	Z	FT glo	-0.567	-0.454	0.000	0.000
7733	S001-tetto	410	Z	FT glo	-1.164	-1.164	0.000	0.000
7734	S001-tetto	435	Z	FT glo	-1.164	-1.164	0.000	0.000
7735	S002-appeso_a_tetto	231	Z	FT glo	-0.292	-0.146	0.000	0.000
7736	S002-appeso_a_tetto	232	Z	FT glo	-0.146	0.000	0.000	0.000
7737	S002-appeso_a_tetto	236	Z	FT glo	-0.185	-0.122	0.000	0.000
7738	S002-appeso_a_tetto	253	Z	FT glo	-0.110	-0.144	0.000	0.000
7739	S002-appeso_a_tetto	268	Z	FT glo	-0.436	-0.401	0.000	0.000
7740	S002-appeso_a_tetto	274	Z	FT glo	-0.438	-0.291	0.000	0.000
7741	S002-appeso_a_tetto	277	Z	FT glo	-0.582	-0.582	0.000	0.000
7742	S002-appeso_a_tetto	284	Z	FT glo	-0.582	-0.582	0.000	0.000
7743	S002-appeso_a_tetto	290	Z	FT glo	-0.582	-0.582	0.000	0.000
7744	S002-appeso_a_tetto	292	Z	FT glo	-0.530	-0.687	0.000	0.000
7745	S002-appeso_a_tetto	299	Z	FT glo	-0.580	-0.579	0.000	0.000
7746	S002-appeso_a_tetto	304	Z	FT glo	-0.582	-0.582	0.000	0.000
7747	S002-appeso_a_tetto	310	Z	FT glo	-0.748	-0.416	0.000	0.000
7748	S002-appeso_a_tetto	322	Z	FT glo	-0.586	-0.588	0.000	0.000
7749	S002-appeso_a_tetto	324	Z	FT glo	-0.582	-0.582	0.000	0.000
7750	S002-appeso_a_tetto	332	Z	FT glo	-0.580	-0.580	0.000	0.000
7751	S002-appeso_a_tetto	345	Z	FT glo	-0.582	-0.582	0.000	0.000
7752	S002-appeso_a_tetto	347	Z	FT glo	-0.582	-0.582	0.000	0.000
7753	S002-appeso_a_tetto	360	Z	FT glo	-0.582	-0.582	0.000	0.000
7754	S002-appeso_a_tetto	367	Z	FT glo	-0.653	-0.512	0.000	0.000
7755	S002-appeso_a_tetto	362	Z	FT glo	-0.592	-0.592	0.000	0.000
7756	S002-appeso_a_tetto	369	Z	FT glo	-0.892	-0.291	0.000	0.000
7757	S002-appeso_a_tetto	306	Z	FT glo	-0.582	-0.582	0.000	0.000
7758	S002-appeso_a_tetto	296	Z	FT glo	-0.579	-0.577	0.000	0.000
7759	S002-appeso_a_tetto	286	Z	FT glo	-0.582	-0.582	0.000	0.000
7760	S002-appeso_a_tetto	272	Z	FT glo	-0.582	-0.436	0.000	0.000
7761	S002-appeso_a_tetto	233	Z	FT glo	-0.290	-0.144	0.000	0.000
7762	S002-appeso_a_tetto	321	Z	FT glo	-0.582	-0.582	0.000	0.000
7763	S002-appeso_a_tetto	650	Z	FT glo	-0.660	-0.504	0.000	0.000
7764	S002-appeso_a_tetto	334	Z	FT glo	-0.580	-0.581	0.000	0.000
7765	S002-appeso_a_tetto	651	Z	FT glo	-0.659	-0.504	0.000	0.000
7766	S002-appeso_a_tetto	341	Z	FT glo	-0.582	-0.582	0.000	0.000
7767	S002-appeso_a_tetto	652	Z	FT glo	-0.660	-0.504	0.000	0.000
7768	S002-appeso_a_tetto	343	Z	FT glo	-0.582	-0.582	0.000	0.000
7769	S002-appeso_a_tetto	653	Z	FT glo	-0.660	-0.504	0.000	0.000
7770	S002-appeso_a_tetto	364	Z	FT glo	-0.582	-0.582	0.000	0.000
7771	S002-appeso_a_tetto	658	Z	FT glo	-0.652	-0.512	0.000	0.000
7772	S002-appeso_a_tetto	371	Z	FT glo	-0.569	-0.569	0.000	0.000
7773	S002-appeso_a_tetto	659	Z	FT glo	-0.644	-0.494	0.000	0.000
7774	S002-appeso_a_tetto	248	Z	FT glo	-0.582	-0.582	0.000	0.000
7775	S002-appeso_a_tetto	660	Z	FT glo	-0.663	-0.502	0.000	0.000
7776	S002-appeso_a_tetto	317	Z	FT glo	-0.588	-0.587	0.000	0.000
7777	S002-appeso_a_tetto	688	Z	FT glo	-0.664	-0.509	0.000	0.000
7778	S002-appeso_a_tetto	130	Z	FT glo	-0.440	-0.293	0.000	0.000
7779	S002-appeso_a_tetto	230	Z	FT glo	-0.146	0.000	0.000	0.000
7780	S002-appeso_a_tetto	247	Z	FT glo	-0.582	-0.582	0.000	0.000
7781	S002-appeso_a_tetto	358	Z	FT glo	-0.569	-0.569	0.000	0.000

7782	S002-appeso_a_tetto	356	Z	FT glo	-0.582	-0.582	0.000	0.000
7783	S002-appeso_a_tetto	354	Z	FT glo	-0.592	-0.592	0.000	0.000
7784	S002-appeso_a_tetto	352	Z	FT glo	-0.582	-0.582	0.000	0.000
7785	S002-appeso_a_tetto	350	Z	FT glo	-0.582	-0.582	0.000	0.000
7786	S002-appeso_a_tetto	349	Z	FT glo	-0.582	-0.582	0.000	0.000
7787	S002-appeso_a_tetto	330	Z	FT glo	-0.581	-0.580	0.000	0.000
7788	S002-appeso_a_tetto	326	Z	FT glo	-0.582	-0.582	0.000	0.000
7789	S002-appeso_a_tetto	328	Z	FT glo	-0.584	-0.586	0.000	0.000
7790	S002-appeso_a_tetto	302	Z	FT glo	-0.582	-0.582	0.000	0.000
7791	S002-appeso_a_tetto	301	Z	FT glo	-0.581	-0.580	0.000	0.000
7792	S002-appeso_a_tetto	282	Z	FT glo	-0.582	-0.582	0.000	0.000
7793	S002-appeso_a_tetto	281	Z	FT glo	-0.582	-0.582	0.000	0.000
7794	S002-appeso_a_tetto	278	Z	FT glo	-0.584	-0.438	0.000	0.000
7795	S002-appeso_a_tetto	246	Z	FT glo	-0.582	-0.582	0.000	0.000
7796	S002-appeso_a_tetto	144	Z	FT glo	-0.569	-0.569	0.000	0.000
7797	S002-appeso_a_tetto	143	Z	FT glo	-0.582	-0.582	0.000	0.000
7798	S002-appeso_a_tetto	142	Z	FT glo	-0.592	-0.592	0.000	0.000
7799	S002-appeso_a_tetto	141	Z	FT glo	-0.582	-0.582	0.000	0.000
7800	S002-appeso_a_tetto	140	Z	FT glo	-0.582	-0.582	0.000	0.000
7801	S002-appeso_a_tetto	139	Z	FT glo	-0.582	-0.582	0.000	0.000
7802	S002-appeso_a_tetto	138	Z	FT glo	-0.582	-0.581	0.000	0.000
7803	S002-appeso_a_tetto	266	Z	FT glo	-0.582	-0.582	0.000	0.000
7804	S002-appeso_a_tetto	136	Z	FT glo	-0.582	-0.584	0.000	0.000
7805	S002-appeso_a_tetto	135	Z	FT glo	-0.582	-0.582	0.000	0.000
7806	S002-appeso_a_tetto	134	Z	FT glo	-0.582	-0.581	0.000	0.000
7807	S002-appeso_a_tetto	133	Z	FT glo	-0.582	-0.582	0.000	0.000
7808	S002-appeso_a_tetto	132	Z	FT glo	-0.582	-0.582	0.000	0.000
7809	S002-appeso_a_tetto	131	Z	FT glo	-0.584	-0.584	0.000	0.000
7810	S002-appeso_a_tetto	146	Z	FT glo	-0.585	-0.585	0.000	0.000
7811	S002-appeso_a_tetto	373	Z	FT glo	-0.585	-0.585	0.000	0.000
7812	S002-appeso_a_tetto	249	Z	FT glo	-0.582	-0.582	0.000	0.000
7813	S002-appeso_a_tetto	376	Z	FT glo	-0.582	-0.582	0.000	0.000
7814	S002-appeso_a_tetto	250	Z	FT glo	-0.621	-0.543	0.000	0.000
7815	S002-appeso_a_tetto	251	Z	FT glo	-0.582	-0.582	0.000	0.000
7816	S002-appeso_a_tetto	252	Z	FT glo	-0.603	-0.531	0.000	0.000
7817	S002-appeso_a_tetto	699	Z	FT glo	-0.485	-0.397	0.000	0.000
7818	S002-appeso_a_tetto	695	Z	FT glo	-0.590	-0.562	0.000	0.000
7819	S002-appeso_a_tetto	696	Z	FT glo	-0.524	-0.291	0.000	0.000
7820	S002-appeso_a_tetto	149	Z	FT glo	-0.567	-0.289	0.000	0.000
7821	S002-appeso_a_tetto	716	Z	FT glo	-0.269	0.000	0.000	0.000
7822	S002-appeso_a_tetto	717	Z	FT glo	-0.281	-0.227	0.000	0.000
7823	S002-appeso_a_tetto	718	Z	FT glo	-0.227	0.000	0.000	0.000
7824	S002-appeso_a_tetto	719	Z	FT glo	-0.284	-0.185	0.000	0.000
7825	S002-appeso_a_tetto	375	Z	FT glo	-0.585	-0.585	0.000	0.000
7826	S002-appeso_a_tetto	661	Z	FT glo	-0.663	-0.508	0.000	0.000
7827	S001-appeso_a_tetto	197	Z	FT glo	-0.292	-0.146	0.000	0.000
7828	S001-appeso_a_tetto	198	Z	FT glo	-0.146	0.000	0.000	0.000
7829	S001-appeso_a_tetto	199	Z	FT glo	-0.290	-0.219	0.000	0.000
7830	S001-appeso_a_tetto	200	Z	FT glo	-0.238	-0.144	0.000	0.000
7831	S001-appeso_a_tetto	203	Z	FT glo	-0.185	-0.122	0.000	0.000
7832	S001-appeso_a_tetto	378	Z	FT glo	-0.558	-0.383	0.000	0.000
7833	S001-appeso_a_tetto	380	Z	FT glo	-0.626	-0.487	0.000	0.000
7834	S001-appeso_a_tetto	382	Z	FT glo	-0.626	-0.487	0.000	0.000
7835	S001-appeso_a_tetto	384	Z	FT glo	-0.626	-0.487	0.000	0.000
7836	S001-appeso_a_tetto	386	Z	FT glo	-0.626	-0.487	0.000	0.000
7837	S001-appeso_a_tetto	388	Z	FT glo	-0.626	-0.487	0.000	0.000
7838	S001-appeso_a_tetto	390	Z	FT glo	-0.626	-0.487	0.000	0.000
7839	S001-appeso_a_tetto	392	Z	FT glo	-0.622	-0.357	0.000	0.000
7840	S001-appeso_a_tetto	394	Z	FT glo	-0.867	-0.291	0.000	0.000
7841	S001-appeso_a_tetto	397	Z	FT glo	-0.366	-0.291	0.000	0.000
7842	S001-appeso_a_tetto	398	Z	FT glo	-0.582	-0.513	0.000	0.000
7843	S001-appeso_a_tetto	400	Z	FT glo	-0.582	-0.582	0.000	0.000
7844	S001-appeso_a_tetto	402	Z	FT glo	-0.582	-0.582	0.000	0.000
7845	S001-appeso_a_tetto	404	Z	FT glo	-0.582	-0.582	0.000	0.000
7846	S001-appeso_a_tetto	406	Z	FT glo	-0.582	-0.582	0.000	0.000
7847	S001-appeso_a_tetto	408	Z	FT glo	-0.582	-0.582	0.000	0.000
7848	S001-appeso_a_tetto	412	Z	FT glo	-0.582	-0.582	0.000	0.000
7849	S001-appeso_a_tetto	414	Z	FT glo	-0.582	-0.582	0.000	0.000
7850	S001-appeso_a_tetto	416	Z	FT glo	-0.647	-0.285	0.000	0.000
7851	S001-appeso_a_tetto	418	Z	FT glo	-0.892	-0.291	0.000	0.000
7852	S001-appeso_a_tetto	427	Z	FT glo	-0.592	-0.592	0.000	0.000
7853	S001-appeso_a_tetto	429	Z	FT glo	-0.582	-0.582	0.000	0.000
7854	S001-appeso_a_tetto	431	Z	FT glo	-0.582	-0.582	0.000	0.000
7855	S001-appeso_a_tetto	433	Z	FT glo	-0.582	-0.582	0.000	0.000
7856	S001-appeso_a_tetto	437	Z	FT glo	-0.582	-0.582	0.000	0.000
7857	S001-appeso_a_tetto	439	Z	FT glo	-0.582	-0.582	0.000	0.000
7858	S001-appeso_a_tetto	441	Z	FT glo	-0.582	-0.582	0.000	0.000
7859	S001-appeso_a_tetto	443	Z	FT glo	-0.582	-0.582	0.000	0.000
7860	S001-appeso_a_tetto	445	Z	FT glo	-0.582	-0.582	0.000	0.000
7861	S001-appeso_a_tetto	447	Z	FT glo	-0.582	-0.582	0.000	0.000
7862	S001-appeso_a_tetto	449	Z	FT glo	-0.438	-0.291	0.000	0.000
7863	S001-appeso_a_tetto	423	Z	FT glo	-0.569	-0.569	0.000	0.000
7864	S001-appeso_a_tetto	666	Z	FT glo	-0.644	-0.494	0.000	0.000
7865	S001-appeso_a_tetto	225	Z	FT glo	-0.582	-0.582	0.000	0.000

7866	S001-appeso_a_tetto	671	Z	FT glo	-0.649	-0.208	0.000	0.000
7867	S001-appeso_a_tetto	425	Z	FT glo	-0.582	-0.582	0.000	0.000
7868	S001-appeso_a_tetto	673	Z	FT glo	-0.652	-0.512	0.000	0.000
7869	S001-appeso_a_tetto	106	Z	FT glo	-0.440	-0.293	0.000	0.000
7870	S001-appeso_a_tetto	196	Z	FT glo	-0.146	0.000	0.000	0.000
7871	S001-appeso_a_tetto	223	Z	FT glo	-0.582	-0.582	0.000	0.000
7872	S001-appeso_a_tetto	120	Z	FT glo	-0.569	-0.569	0.000	0.000
7873	S001-appeso_a_tetto	119	Z	FT glo	-0.582	-0.582	0.000	0.000
7874	S001-appeso_a_tetto	118	Z	FT glo	-0.592	-0.592	0.000	0.000
7875	S001-appeso_a_tetto	117	Z	FT glo	-0.582	-0.582	0.000	0.000
7876	S001-appeso_a_tetto	116	Z	FT glo	-0.582	-0.582	0.000	0.000
7877	S001-appeso_a_tetto	115	Z	FT glo	-0.582	-0.582	0.000	0.000
7878	S001-appeso_a_tetto	114	Z	FT glo	-0.582	-0.582	0.000	0.000
7879	S001-appeso_a_tetto	113	Z	FT glo	-0.582	-0.582	0.000	0.000
7880	S001-appeso_a_tetto	112	Z	FT glo	-0.582	-0.582	0.000	0.000
7881	S001-appeso_a_tetto	111	Z	FT glo	-0.582	-0.582	0.000	0.000
7882	S001-appeso_a_tetto	110	Z	FT glo	-0.582	-0.582	0.000	0.000
7883	S001-appeso_a_tetto	109	Z	FT glo	-0.582	-0.582	0.000	0.000
7884	S001-appeso_a_tetto	108	Z	FT glo	-0.582	-0.582	0.000	0.000
7885	S001-appeso_a_tetto	107	Z	FT glo	-0.584	-0.584	0.000	0.000
7886	S001-appeso_a_tetto	451	Z	FT glo	-0.584	-0.438	0.000	0.000
7887	S001-appeso_a_tetto	452	Z	FT glo	-0.582	-0.582	0.000	0.000
7888	S001-appeso_a_tetto	454	Z	FT glo	-0.582	-0.582	0.000	0.000
7889	S001-appeso_a_tetto	456	Z	FT glo	-0.582	-0.582	0.000	0.000
7890	S001-appeso_a_tetto	458	Z	FT glo	-0.582	-0.582	0.000	0.000
7891	S001-appeso_a_tetto	460	Z	FT glo	-0.582	-0.582	0.000	0.000
7892	S001-appeso_a_tetto	462	Z	FT glo	-0.582	-0.582	0.000	0.000
7893	S001-appeso_a_tetto	464	Z	FT glo	-0.582	-0.582	0.000	0.000
7894	S001-appeso_a_tetto	466	Z	FT glo	-0.582	-0.582	0.000	0.000
7895	S001-appeso_a_tetto	468	Z	FT glo	-0.582	-0.582	0.000	0.000
7896	S001-appeso_a_tetto	470	Z	FT glo	-0.582	-0.582	0.000	0.000
7897	S001-appeso_a_tetto	472	Z	FT glo	-0.592	-0.592	0.000	0.000
7898	S001-appeso_a_tetto	474	Z	FT glo	-0.582	-0.582	0.000	0.000
7899	S001-appeso_a_tetto	476	Z	FT glo	-0.569	-0.569	0.000	0.000
7900	S001-appeso_a_tetto	224	Z	FT glo	-0.582	-0.582	0.000	0.000
7901	S001-appeso_a_tetto	122	Z	FT glo	-0.585	-0.585	0.000	0.000
7902	S001-appeso_a_tetto	478	Z	FT glo	-0.585	-0.585	0.000	0.000
7903	S001-appeso_a_tetto	421	Z	FT glo	-0.585	-0.585	0.000	0.000
7904	S001-appeso_a_tetto	226	Z	FT glo	-0.582	-0.582	0.000	0.000
7905	S001-appeso_a_tetto	480	Z	FT glo	-0.582	-0.582	0.000	0.000
7906	S001-appeso_a_tetto	672	Z	FT glo	-0.637	-0.365	0.000	0.000
7907	S001-appeso_a_tetto	227	Z	FT glo	-0.630	-0.427	0.000	0.000
7908	S001-appeso_a_tetto	228	Z	FT glo	-0.582	-0.582	0.000	0.000
7909	S001-appeso_a_tetto	229	Z	FT glo	-0.603	-0.531	0.000	0.000
7910	S001-appeso_a_tetto	698	Z	FT glo	-0.485	-0.397	0.000	0.000
7911	S001-appeso_a_tetto	690	Z	FT glo	-0.590	-0.564	0.000	0.000
7912	S001-appeso_a_tetto	697	Z	FT glo	-0.524	-0.291	0.000	0.000
7913	S001-appeso_a_tetto	125	Z	FT glo	-0.567	-0.291	0.000	0.000
7914	S001-appeso_a_tetto	712	Z	FT glo	-0.227	0.000	0.000	0.000
7915	S001-appeso_a_tetto	713	Z	FT glo	-0.284	-0.185	0.000	0.000
7916	S001-appeso_a_tetto	714	Z	FT glo	-0.269	0.000	0.000	0.000
7917	S001-appeso_a_tetto	715	Z	FT glo	-0.284	-0.227	0.000	0.000
7918	S001-appeso_a_tetto	410	Z	FT glo	-0.582	-0.582	0.000	0.000
7919	S001-appeso_a_tetto	435	Z	FT glo	-0.582	-0.582	0.000	0.000
7920	S002-neve	231	Z	FT glo	-5.250	-2.625	0.000	0.000
7921	S002-neve	232	Z	FT glo	-2.625	0.000	0.000	0.000
7922	S002-neve	236	Z	FT glo	-3.339	-2.197	0.000	0.000
7923	S002-neve	253	Z	FT glo	-1.976	-2.592	0.000	0.000
7924	S002-neve	268	Z	FT glo	-7.844	-7.225	0.000	0.000
7925	S002-neve	274	Z	FT glo	-7.877	-5.239	0.000	0.000
7926	S002-neve	277	Z	FT glo	-10.477	-10.477	0.000	0.000
7927	S002-neve	284	Z	FT glo	-10.477	-10.477	0.000	0.000
7928	S002-neve	290	Z	FT glo	-10.477	-10.477	0.000	0.000
7929	S002-neve	292	Z	FT glo	-9.536	-12.358	0.000	0.000
7930	S002-neve	299	Z	FT glo	-10.436	-10.415	0.000	0.000
7931	S002-neve	304	Z	FT glo	-10.477	-10.477	0.000	0.000
7932	S002-neve	310	Z	FT glo	-13.470	-7.482	0.000	0.000
7933	S002-neve	322	Z	FT glo	-10.549	-10.585	0.000	0.000
7934	S002-neve	324	Z	FT glo	-10.477	-10.477	0.000	0.000
7935	S002-neve	332	Z	FT glo	-10.448	-10.433	0.000	0.000
7936	S002-neve	345	Z	FT glo	-10.477	-10.477	0.000	0.000
7937	S002-neve	347	Z	FT glo	-10.477	-10.477	0.000	0.000
7938	S002-neve	360	Z	FT glo	-10.477	-10.477	0.000	0.000
7939	S002-neve	367	Z	FT glo	-11.745	-9.210	0.000	0.000
7940	S002-neve	362	Z	FT glo	-10.650	-10.650	0.000	0.000
7941	S002-neve	369	Z	FT glo	-16.061	-5.239	0.000	0.000
7942	S002-neve	306	Z	FT glo	-10.477	-10.477	0.000	0.000
7943	S002-neve	296	Z	FT glo	-10.415	-10.394	0.000	0.000
7944	S002-neve	286	Z	FT glo	-10.477	-10.477	0.000	0.000
7945	S002-neve	272	Z	FT glo	-10.477	-7.844	0.000	0.000
7946	S002-neve	233	Z	FT glo	-5.212	-2.592	0.000	0.000
7947	S002-neve	321	Z	FT glo	-10.477	-10.477	0.000	0.000
7948	S002-neve	650	Z	FT glo	-11.872	-9.079	0.000	0.000
7949	S002-neve	334	Z	FT glo	-10.433	-10.456	0.000	0.000

7950	S002-neve	651	Z	FT glo	-11.855	-9.071	0.000	0.000
7951	S002-neve	341	Z	FT glo	-10.477	-10.477	0.000	0.000
7952	S002-neve	652	Z	FT glo	-11.876	-9.079	0.000	0.000
7953	S002-neve	343	Z	FT glo	-10.477	-10.477	0.000	0.000
7954	S002-neve	653	Z	FT glo	-11.876	-9.079	0.000	0.000
7955	S002-neve	364	Z	FT glo	-10.477	-10.477	0.000	0.000
7956	S002-neve	658	Z	FT glo	-11.743	-9.212	0.000	0.000
7957	S002-neve	371	Z	FT glo	-10.245	-10.245	0.000	0.000
7958	S002-neve	659	Z	FT glo	-11.597	-8.894	0.000	0.000
7959	S002-neve	248	Z	FT glo	-10.477	-10.477	0.000	0.000
7960	S002-neve	660	Z	FT glo	-11.925	-9.030	0.000	0.000
7961	S002-neve	317	Z	FT glo	-10.585	-10.563	0.000	0.000
7962	S002-neve	688	Z	FT glo	-11.960	-9.162	0.000	0.000
7963	S002-neve	130	Z	FT glo	-7.915	-5.277	0.000	0.000
7964	S002-neve	230	Z	FT glo	-2.625	0.000	0.000	0.000
7965	S002-neve	247	Z	FT glo	-10.477	-10.477	0.000	0.000
7966	S002-neve	358	Z	FT glo	-10.245	-10.245	0.000	0.000
7967	S002-neve	356	Z	FT glo	-10.477	-10.477	0.000	0.000
7968	S002-neve	354	Z	FT glo	-10.650	-10.650	0.000	0.000
7969	S002-neve	352	Z	FT glo	-10.477	-10.477	0.000	0.000
7970	S002-neve	350	Z	FT glo	-10.477	-10.477	0.000	0.000
7971	S002-neve	349	Z	FT glo	-10.477	-10.477	0.000	0.000
7972	S002-neve	330	Z	FT glo	-10.463	-10.448	0.000	0.000
7973	S002-neve	326	Z	FT glo	-10.477	-10.477	0.000	0.000
7974	S002-neve	328	Z	FT glo	-10.513	-10.549	0.000	0.000
7975	S002-neve	302	Z	FT glo	-10.477	-10.477	0.000	0.000
7976	S002-neve	301	Z	FT glo	-10.457	-10.436	0.000	0.000
7977	S002-neve	282	Z	FT glo	-10.477	-10.477	0.000	0.000
7978	S002-neve	281	Z	FT glo	-10.477	-10.477	0.000	0.000
7979	S002-neve	278	Z	FT glo	-10.515	-7.877	0.000	0.000
7980	S002-neve	246	Z	FT glo	-10.477	-10.477	0.000	0.000
7981	S002-neve	144	Z	FT glo	-10.245	-10.245	0.000	0.000
7982	S002-neve	143	Z	FT glo	-10.477	-10.477	0.000	0.000
7983	S002-neve	142	Z	FT glo	-10.650	-10.650	0.000	0.000
7984	S002-neve	141	Z	FT glo	-10.477	-10.477	0.000	0.000
7985	S002-neve	140	Z	FT glo	-10.477	-10.477	0.000	0.000
7986	S002-neve	139	Z	FT glo	-10.477	-10.477	0.000	0.000
7987	S002-neve	138	Z	FT glo	-10.477	-10.463	0.000	0.000
7988	S002-neve	266	Z	FT glo	-10.477	-10.477	0.000	0.000
7989	S002-neve	136	Z	FT glo	-10.477	-10.513	0.000	0.000
7990	S002-neve	135	Z	FT glo	-10.477	-10.477	0.000	0.000
7991	S002-neve	134	Z	FT glo	-10.477	-10.457	0.000	0.000
7992	S002-neve	133	Z	FT glo	-10.477	-10.477	0.000	0.000
7993	S002-neve	132	Z	FT glo	-10.477	-10.477	0.000	0.000
7994	S002-neve	131	Z	FT glo	-10.515	-10.515	0.000	0.000
7995	S002-neve	146	Z	FT glo	-10.537	-10.537	0.000	0.000
7996	S002-neve	373	Z	FT glo	-10.537	-10.537	0.000	0.000
7997	S002-neve	249	Z	FT glo	-10.477	-10.477	0.000	0.000
7998	S002-neve	376	Z	FT glo	-10.477	-10.477	0.000	0.000
7999	S002-neve	250	Z	FT glo	-11.176	-9.779	0.000	0.000
8000	S002-neve	251	Z	FT glo	-10.477	-10.477	0.000	0.000
8001	S002-neve	252	Z	FT glo	-10.859	-9.550	0.000	0.000
8002	S002-neve	699	Z	FT glo	-8.733	-7.138	0.000	0.000
8003	S002-neve	695	Z	FT glo	-10.615	-10.122	0.000	0.000
8004	S002-neve	696	Z	FT glo	-9.434	-5.239	0.000	0.000
8005	S002-neve	149	Z	FT glo	-10.202	-5.194	0.000	0.000
8006	S002-neve	716	Z	FT glo	-4.835	0.000	0.000	0.000
8007	S002-neve	717	Z	FT glo	-5.060	-4.087	0.000	0.000
8008	S002-neve	718	Z	FT glo	-4.087	0.000	0.000	0.000
8009	S002-neve	719	Z	FT glo	-5.103	-3.339	0.000	0.000
8010	S002-neve	375	Z	FT glo	-10.537	-10.537	0.000	0.000
8011	S002-neve	661	Z	FT glo	-11.936	-9.139	0.000	0.000
8012	S001-neve	197	Z	FT glo	-5.250	-2.625	0.000	0.000
8013	S001-neve	198	Z	FT glo	-2.625	0.000	0.000	0.000
8014	S001-neve	199	Z	FT glo	-5.212	-3.936	0.000	0.000
8015	S001-neve	200	Z	FT glo	-4.281	-2.599	0.000	0.000
8016	S001-neve	203	Z	FT glo	-3.339	-2.197	0.000	0.000
8017	S001-neve	378	Z	FT glo	-10.035	-6.894	0.000	0.000
8018	S001-neve	380	Z	FT glo	-11.277	-8.758	0.000	0.000
8019	S001-neve	382	Z	FT glo	-11.277	-8.758	0.000	0.000
8020	S001-neve	384	Z	FT glo	-11.277	-8.758	0.000	0.000
8021	S001-neve	386	Z	FT glo	-11.277	-8.758	0.000	0.000
8022	S001-neve	388	Z	FT glo	-11.277	-8.758	0.000	0.000
8023	S001-neve	390	Z	FT glo	-11.277	-8.758	0.000	0.000
8024	S001-neve	392	Z	FT glo	-11.192	-6.421	0.000	0.000
8025	S001-neve	394	Z	FT glo	-15.601	-5.239	0.000	0.000
8026	S001-neve	397	Z	FT glo	-6.579	-5.239	0.000	0.000
8027	S001-neve	398	Z	FT glo	-10.477	-9.236	0.000	0.000
8028	S001-neve	400	Z	FT glo	-10.477	-10.477	0.000	0.000
8029	S001-neve	402	Z	FT glo	-10.477	-10.477	0.000	0.000
8030	S001-neve	404	Z	FT glo	-10.477	-10.477	0.000	0.000
8031	S001-neve	406	Z	FT glo	-10.477	-10.477	0.000	0.000
8032	S001-neve	408	Z	FT glo	-10.477	-10.477	0.000	0.000
8033	S001-neve	412	Z	FT glo	-10.477	-10.477	0.000	0.000

8034	S001-neve	414	Z	FT glo	-10.478	-10.476	0.000	0.000
8035	S001-neve	416	Z	FT glo	-11.648	-5.125	0.000	0.000
8036	S001-neve	418	Z	FT glo	-16.061	-5.239	0.000	0.000
8037	S001-neve	427	Z	FT glo	-10.650	-10.650	0.000	0.000
8038	S001-neve	429	Z	FT glo	-10.477	-10.477	0.000	0.000
8039	S001-neve	431	Z	FT glo	-10.477	-10.477	0.000	0.000
8040	S001-neve	433	Z	FT glo	-10.477	-10.477	0.000	0.000
8041	S001-neve	437	Z	FT glo	-10.477	-10.477	0.000	0.000
8042	S001-neve	439	Z	FT glo	-10.477	-10.477	0.000	0.000
8043	S001-neve	441	Z	FT glo	-10.477	-10.477	0.000	0.000
8044	S001-neve	443	Z	FT glo	-10.477	-10.477	0.000	0.000
8045	S001-neve	445	Z	FT glo	-10.477	-10.477	0.000	0.000
8046	S001-neve	447	Z	FT glo	-10.477	-10.477	0.000	0.000
8047	S001-neve	449	Z	FT glo	-7.877	-5.239	0.000	0.000
8048	S001-neve	423	Z	FT glo	-10.245	-10.245	0.000	0.000
8049	S001-neve	666	Z	FT glo	-11.597	-8.894	0.000	0.000
8050	S001-neve	225	Z	FT glo	-10.477	-10.477	0.000	0.000
8051	S001-neve	671	Z	FT glo	-11.674	-3.742	0.000	0.000
8052	S001-neve	425	Z	FT glo	-10.477	-10.477	0.000	0.000
8053	S001-neve	673	Z	FT glo	-11.743	-9.212	0.000	0.000
8054	S001-neve	106	Z	FT glo	-7.915	-5.277	0.000	0.000
8055	S001-neve	196	Z	FT glo	-2.625	0.000	0.000	0.000
8056	S001-neve	223	Z	FT glo	-10.477	-10.477	0.000	0.000
8057	S001-neve	120	Z	FT glo	-10.245	-10.245	0.000	0.000
8058	S001-neve	119	Z	FT glo	-10.477	-10.477	0.000	0.000
8059	S001-neve	118	Z	FT glo	-10.650	-10.650	0.000	0.000
8060	S001-neve	117	Z	FT glo	-10.477	-10.477	0.000	0.000
8061	S001-neve	116	Z	FT glo	-10.477	-10.477	0.000	0.000
8062	S001-neve	115	Z	FT glo	-10.477	-10.477	0.000	0.000
8063	S001-neve	114	Z	FT glo	-10.477	-10.477	0.000	0.000
8064	S001-neve	113	Z	FT glo	-10.477	-10.477	0.000	0.000
8065	S001-neve	112	Z	FT glo	-10.477	-10.477	0.000	0.000
8066	S001-neve	111	Z	FT glo	-10.477	-10.477	0.000	0.000
8067	S001-neve	110	Z	FT glo	-10.477	-10.477	0.000	0.000
8068	S001-neve	109	Z	FT glo	-10.477	-10.477	0.000	0.000
8069	S001-neve	108	Z	FT glo	-10.477	-10.477	0.000	0.000
8070	S001-neve	107	Z	FT glo	-10.515	-10.515	0.000	0.000
8071	S001-neve	451	Z	FT glo	-10.515	-7.877	0.000	0.000
8072	S001-neve	452	Z	FT glo	-10.477	-10.477	0.000	0.000
8073	S001-neve	454	Z	FT glo	-10.477	-10.477	0.000	0.000
8074	S001-neve	456	Z	FT glo	-10.477	-10.477	0.000	0.000
8075	S001-neve	458	Z	FT glo	-10.477	-10.477	0.000	0.000
8076	S001-neve	460	Z	FT glo	-10.477	-10.477	0.000	0.000
8077	S001-neve	462	Z	FT glo	-10.477	-10.477	0.000	0.000
8078	S001-neve	464	Z	FT glo	-10.477	-10.477	0.000	0.000
8079	S001-neve	466	Z	FT glo	-10.477	-10.477	0.000	0.000
8080	S001-neve	468	Z	FT glo	-10.477	-10.477	0.000	0.000
8081	S001-neve	470	Z	FT glo	-10.477	-10.477	0.000	0.000
8082	S001-neve	472	Z	FT glo	-10.650	-10.650	0.000	0.000
8083	S001-neve	474	Z	FT glo	-10.477	-10.477	0.000	0.000
8084	S001-neve	476	Z	FT glo	-10.245	-10.245	0.000	0.000
8085	S001-neve	224	Z	FT glo	-10.477	-10.477	0.000	0.000
8086	S001-neve	122	Z	FT glo	-10.537	-10.537	0.000	0.000
8087	S001-neve	478	Z	FT glo	-10.537	-10.537	0.000	0.000
8088	S001-neve	421	Z	FT glo	-10.537	-10.537	0.000	0.000
8089	S001-neve	226	Z	FT glo	-10.477	-10.477	0.000	0.000
8090	S001-neve	480	Z	FT glo	-10.477	-10.477	0.000	0.000
8091	S001-neve	672	Z	FT glo	-11.462	-6.578	0.000	0.000
8092	S001-neve	227	Z	FT glo	-11.345	-7.688	0.000	0.000
8093	S001-neve	228	Z	FT glo	-10.477	-10.477	0.000	0.000
8094	S001-neve	229	Z	FT glo	-10.859	-9.550	0.000	0.000
8095	S001-neve	698	Z	FT glo	-8.733	-7.138	0.000	0.000
8096	S001-neve	690	Z	FT glo	-10.627	-10.147	0.000	0.000
8097	S001-neve	697	Z	FT glo	-9.434	-5.239	0.000	0.000
8098	S001-neve	125	Z	FT glo	-10.202	-5.239	0.000	0.000
8099	S001-neve	712	Z	FT glo	-4.087	0.000	0.000	0.000
8100	S001-neve	713	Z	FT glo	-5.103	-3.339	0.000	0.000
8101	S001-neve	714	Z	FT glo	-4.835	0.000	0.000	0.000
8102	S001-neve	715	Z	FT glo	-5.103	-4.087	0.000	0.000
8103	S001-neve	410	Z	FT glo	-10.477	-10.477	0.000	0.000
8104	S001-neve	435	Z	FT glo	-10.477	-10.477	0.000	0.000
8105	S002-vento	231	Z	FT glo	-0.301	-0.150	0.000	0.000
8106	S002-vento	232	Z	FT glo	-0.150	0.000	0.000	0.000
8107	S002-vento	236	Z	FT glo	-0.191	-0.126	0.000	0.000
8108	S002-vento	253	Z	FT glo	-0.113	-0.148	0.000	0.000
8109	S002-vento	268	Z	FT glo	-0.449	-0.414	0.000	0.000
8110	S002-vento	274	Z	FT glo	-0.451	-0.300	0.000	0.000
8111	S002-vento	277	Z	FT glo	-0.600	-0.600	0.000	0.000
8112	S002-vento	284	Z	FT glo	-0.600	-0.600	0.000	0.000
8113	S002-vento	290	Z	FT glo	-0.600	-0.600	0.000	0.000
8114	S002-vento	292	Z	FT glo	-0.546	-0.708	0.000	0.000
8115	S002-vento	299	Z	FT glo	-0.598	-0.596	0.000	0.000
8116	S002-vento	304	Z	FT glo	-0.600	-0.600	0.000	0.000
8117	S002-vento	310	Z	FT glo	-0.771	-0.428	0.000	0.000

8118	S002-vento	322	Z	FT glo	-0.604	-0.606	0.000	0.000
8119	S002-vento	324	Z	FT glo	-0.600	-0.600	0.000	0.000
8120	S002-vento	332	Z	FT glo	-0.598	-0.597	0.000	0.000
8121	S002-vento	345	Z	FT glo	-0.600	-0.600	0.000	0.000
8122	S002-vento	347	Z	FT glo	-0.600	-0.600	0.000	0.000
8123	S002-vento	360	Z	FT glo	-0.600	-0.600	0.000	0.000
8124	S002-vento	367	Z	FT glo	-0.673	-0.527	0.000	0.000
8125	S002-vento	362	Z	FT glo	-0.610	-0.610	0.000	0.000
8126	S002-vento	369	Z	FT glo	-0.920	-0.300	0.000	0.000
8127	S002-vento	306	Z	FT glo	-0.600	-0.600	0.000	0.000
8128	S002-vento	296	Z	FT glo	-0.596	-0.595	0.000	0.000
8129	S002-vento	286	Z	FT glo	-0.600	-0.600	0.000	0.000
8130	S002-vento	272	Z	FT glo	-0.600	-0.449	0.000	0.000
8131	S002-vento	233	Z	FT glo	-0.298	-0.148	0.000	0.000
8132	S002-vento	321	Z	FT glo	-0.600	-0.600	0.000	0.000
8133	S002-vento	650	Z	FT glo	-0.680	-0.520	0.000	0.000
8134	S002-vento	334	Z	FT glo	-0.597	-0.599	0.000	0.000
8135	S002-vento	651	Z	FT glo	-0.679	-0.519	0.000	0.000
8136	S002-vento	341	Z	FT glo	-0.600	-0.600	0.000	0.000
8137	S002-vento	652	Z	FT glo	-0.680	-0.520	0.000	0.000
8138	S002-vento	343	Z	FT glo	-0.600	-0.600	0.000	0.000
8139	S002-vento	653	Z	FT glo	-0.680	-0.520	0.000	0.000
8140	S002-vento	364	Z	FT glo	-0.600	-0.600	0.000	0.000
8141	S002-vento	658	Z	FT glo	-0.672	-0.528	0.000	0.000
8142	S002-vento	371	Z	FT glo	-0.587	-0.587	0.000	0.000
8143	S002-vento	659	Z	FT glo	-0.664	-0.509	0.000	0.000
8144	S002-vento	248	Z	FT glo	-0.600	-0.600	0.000	0.000
8145	S002-vento	660	Z	FT glo	-0.683	-0.517	0.000	0.000
8146	S002-vento	317	Z	FT glo	-0.606	-0.605	0.000	0.000
8147	S002-vento	688	Z	FT glo	-0.685	-0.525	0.000	0.000
8148	S002-vento	130	Z	FT glo	-0.453	-0.302	0.000	0.000
8149	S002-vento	230	Z	FT glo	-0.150	0.000	0.000	0.000
8150	S002-vento	247	Z	FT glo	-0.600	-0.600	0.000	0.000
8151	S002-vento	358	Z	FT glo	-0.587	-0.587	0.000	0.000
8152	S002-vento	356	Z	FT glo	-0.600	-0.600	0.000	0.000
8153	S002-vento	354	Z	FT glo	-0.610	-0.610	0.000	0.000
8154	S002-vento	352	Z	FT glo	-0.600	-0.600	0.000	0.000
8155	S002-vento	350	Z	FT glo	-0.600	-0.600	0.000	0.000
8156	S002-vento	349	Z	FT glo	-0.600	-0.600	0.000	0.000
8157	S002-vento	330	Z	FT glo	-0.599	-0.598	0.000	0.000
8158	S002-vento	326	Z	FT glo	-0.600	-0.600	0.000	0.000
8159	S002-vento	328	Z	FT glo	-0.602	-0.604	0.000	0.000
8160	S002-vento	302	Z	FT glo	-0.600	-0.600	0.000	0.000
8161	S002-vento	301	Z	FT glo	-0.599	-0.598	0.000	0.000
8162	S002-vento	282	Z	FT glo	-0.600	-0.600	0.000	0.000
8163	S002-vento	281	Z	FT glo	-0.600	-0.600	0.000	0.000
8164	S002-vento	278	Z	FT glo	-0.602	-0.451	0.000	0.000
8165	S002-vento	246	Z	FT glo	-0.600	-0.600	0.000	0.000
8166	S002-vento	144	Z	FT glo	-0.587	-0.587	0.000	0.000
8167	S002-vento	143	Z	FT glo	-0.600	-0.600	0.000	0.000
8168	S002-vento	142	Z	FT glo	-0.610	-0.610	0.000	0.000
8169	S002-vento	141	Z	FT glo	-0.600	-0.600	0.000	0.000
8170	S002-vento	140	Z	FT glo	-0.600	-0.600	0.000	0.000
8171	S002-vento	139	Z	FT glo	-0.600	-0.600	0.000	0.000
8172	S002-vento	138	Z	FT glo	-0.600	-0.599	0.000	0.000
8173	S002-vento	266	Z	FT glo	-0.600	-0.600	0.000	0.000
8174	S002-vento	136	Z	FT glo	-0.600	-0.602	0.000	0.000
8175	S002-vento	135	Z	FT glo	-0.600	-0.600	0.000	0.000
8176	S002-vento	134	Z	FT glo	-0.600	-0.599	0.000	0.000
8177	S002-vento	133	Z	FT glo	-0.600	-0.600	0.000	0.000
8178	S002-vento	132	Z	FT glo	-0.600	-0.600	0.000	0.000
8179	S002-vento	131	Z	FT glo	-0.602	-0.602	0.000	0.000
8180	S002-vento	146	Z	FT glo	-0.603	-0.603	0.000	0.000
8181	S002-vento	373	Z	FT glo	-0.603	-0.603	0.000	0.000
8182	S002-vento	249	Z	FT glo	-0.600	-0.600	0.000	0.000
8183	S002-vento	376	Z	FT glo	-0.600	-0.600	0.000	0.000
8184	S002-vento	250	Z	FT glo	-0.640	-0.560	0.000	0.000
8185	S002-vento	251	Z	FT glo	-0.600	-0.600	0.000	0.000
8186	S002-vento	252	Z	FT glo	-0.622	-0.547	0.000	0.000
8187	S002-vento	699	Z	FT glo	-0.500	-0.409	0.000	0.000
8188	S002-vento	695	Z	FT glo	-0.608	-0.580	0.000	0.000
8189	S002-vento	696	Z	FT glo	-0.540	-0.300	0.000	0.000
8190	S002-vento	149	Z	FT glo	-0.584	-0.297	0.000	0.000
8191	S002-vento	716	Z	FT glo	-0.277	0.000	0.000	0.000
8192	S002-vento	717	Z	FT glo	-0.290	-0.234	0.000	0.000
8193	S002-vento	718	Z	FT glo	-0.234	0.000	0.000	0.000
8194	S002-vento	719	Z	FT glo	-0.292	-0.191	0.000	0.000
8195	S002-vento	375	Z	FT glo	-0.603	-0.603	0.000	0.000
8196	S002-vento	661	Z	FT glo	-0.684	-0.523	0.000	0.000
8197	S002-valanga	231	Z	FT glo	-2.916	-1.458	0.000	0.000
8198	S002-valanga	232	Z	FT glo	-1.458	0.000	0.000	0.000
8199	S002-valanga	236	Z	FT glo	-1.855	-1.221	0.000	0.000
8200	S002-valanga	253	Z	FT glo	-1.098	-1.440	0.000	0.000
8201	S002-valanga	268	Z	FT glo	-4.358	-4.014	0.000	0.000

8202	S002-valanga	274	Z	FT glo	-4.376	-2.910	0.000	0.000
8203	S002-valanga	277	Z	FT glo	-5.821	-5.821	0.000	0.000
8204	S002-valanga	284	Z	FT glo	-5.821	-5.821	0.000	0.000
8205	S002-valanga	290	Z	FT glo	-5.821	-5.821	0.000	0.000
8206	S002-valanga	292	Z	FT glo	-5.298	-6.866	0.000	0.000
8207	S002-valanga	299	Z	FT glo	-5.798	-5.786	0.000	0.000
8208	S002-valanga	304	Z	FT glo	-5.821	-5.821	0.000	0.000
8209	S002-valanga	310	Z	FT glo	-7.484	-4.157	0.000	0.000
8210	S002-valanga	322	Z	FT glo	-5.861	-5.881	0.000	0.000
8211	S002-valanga	324	Z	FT glo	-5.821	-5.821	0.000	0.000
8212	S002-valanga	332	Z	FT glo	-5.804	-5.796	0.000	0.000
8213	S002-valanga	345	Z	FT glo	-5.821	-5.821	0.000	0.000
8214	S002-valanga	347	Z	FT glo	-5.821	-5.821	0.000	0.000
8215	S002-valanga	360	Z	FT glo	-5.821	-5.821	0.000	0.000
8216	S002-valanga	367	Z	FT glo	-6.525	-5.117	0.000	0.000
8217	S002-valanga	362	Z	FT glo	-5.917	-5.917	0.000	0.000
8218	S002-valanga	369	Z	FT glo	-8.923	-2.910	0.000	0.000
8219	S002-valanga	306	Z	FT glo	-5.821	-5.821	0.000	0.000
8220	S002-valanga	296	Z	FT glo	-5.786	-5.774	0.000	0.000
8221	S002-valanga	286	Z	FT glo	-5.821	-5.821	0.000	0.000
8222	S002-valanga	272	Z	FT glo	-5.821	-4.358	0.000	0.000
8223	S002-valanga	233	Z	FT glo	-2.895	-1.440	0.000	0.000
8224	S002-valanga	321	Z	FT glo	-5.821	-5.821	0.000	0.000
8225	S002-valanga	650	Z	FT glo	-6.596	-5.044	0.000	0.000
8226	S002-valanga	334	Z	FT glo	-5.796	-5.809	0.000	0.000
8227	S002-valanga	651	Z	FT glo	-6.586	-5.040	0.000	0.000
8228	S002-valanga	341	Z	FT glo	-5.821	-5.821	0.000	0.000
8229	S002-valanga	652	Z	FT glo	-6.598	-5.044	0.000	0.000
8230	S002-valanga	343	Z	FT glo	-5.821	-5.821	0.000	0.000
8231	S002-valanga	653	Z	FT glo	-6.598	-5.044	0.000	0.000
8232	S002-valanga	364	Z	FT glo	-5.821	-5.821	0.000	0.000
8233	S002-valanga	658	Z	FT glo	-6.524	-5.118	0.000	0.000
8234	S002-valanga	371	Z	FT glo	-5.692	-5.692	0.000	0.000
8235	S002-valanga	659	Z	FT glo	-6.443	-4.941	0.000	0.000
8236	S002-valanga	248	Z	FT glo	-5.821	-5.821	0.000	0.000
8237	S002-valanga	660	Z	FT glo	-6.625	-5.017	0.000	0.000
8238	S002-valanga	317	Z	FT glo	-5.881	-5.869	0.000	0.000
8239	S002-valanga	688	Z	FT glo	-6.645	-5.090	0.000	0.000
8240	S002-valanga	130	Z	FT glo	-4.397	-2.932	0.000	0.000
8241	S002-valanga	230	Z	FT glo	-1.458	0.000	0.000	0.000
8242	S002-valanga	247	Z	FT glo	-5.821	-5.821	0.000	0.000
8243	S002-valanga	358	Z	FT glo	-5.692	-5.692	0.000	0.000
8244	S002-valanga	356	Z	FT glo	-5.821	-5.821	0.000	0.000
8245	S002-valanga	354	Z	FT glo	-5.917	-5.917	0.000	0.000
8246	S002-valanga	352	Z	FT glo	-5.821	-5.821	0.000	0.000
8247	S002-valanga	350	Z	FT glo	-5.821	-5.821	0.000	0.000
8248	S002-valanga	349	Z	FT glo	-5.821	-5.821	0.000	0.000
8249	S002-valanga	330	Z	FT glo	-5.813	-5.804	0.000	0.000
8250	S002-valanga	326	Z	FT glo	-5.821	-5.821	0.000	0.000
8251	S002-valanga	328	Z	FT glo	-5.841	-5.861	0.000	0.000
8252	S002-valanga	302	Z	FT glo	-5.821	-5.821	0.000	0.000
8253	S002-valanga	301	Z	FT glo	-5.809	-5.798	0.000	0.000
8254	S002-valanga	282	Z	FT glo	-5.821	-5.821	0.000	0.000
8255	S002-valanga	281	Z	FT glo	-5.821	-5.821	0.000	0.000
8256	S002-valanga	278	Z	FT glo	-5.842	-4.376	0.000	0.000
8257	S002-valanga	246	Z	FT glo	-5.821	-5.821	0.000	0.000
8258	S002-valanga	144	Z	FT glo	-5.692	-5.692	0.000	0.000
8259	S002-valanga	143	Z	FT glo	-5.821	-5.821	0.000	0.000
8260	S002-valanga	142	Z	FT glo	-5.917	-5.917	0.000	0.000
8261	S002-valanga	141	Z	FT glo	-5.821	-5.821	0.000	0.000
8262	S002-valanga	140	Z	FT glo	-5.821	-5.821	0.000	0.000
8263	S002-valanga	139	Z	FT glo	-5.821	-5.821	0.000	0.000
8264	S002-valanga	138	Z	FT glo	-5.821	-5.813	0.000	0.000
8265	S002-valanga	266	Z	FT glo	-5.821	-5.821	0.000	0.000
8266	S002-valanga	136	Z	FT glo	-5.821	-5.841	0.000	0.000
8267	S002-valanga	135	Z	FT glo	-5.821	-5.821	0.000	0.000
8268	S002-valanga	134	Z	FT glo	-5.821	-5.809	0.000	0.000
8269	S002-valanga	133	Z	FT glo	-5.821	-5.821	0.000	0.000
8270	S002-valanga	132	Z	FT glo	-5.821	-5.821	0.000	0.000
8271	S002-valanga	131	Z	FT glo	-5.842	-5.842	0.000	0.000
8272	S002-valanga	146	Z	FT glo	-5.854	-5.854	0.000	0.000
8273	S002-valanga	373	Z	FT glo	-5.854	-5.854	0.000	0.000
8274	S002-valanga	249	Z	FT glo	-5.821	-5.821	0.000	0.000
8275	S002-valanga	376	Z	FT glo	-5.821	-5.821	0.000	0.000
8276	S002-valanga	250	Z	FT glo	-6.209	-5.433	0.000	0.000
8277	S002-valanga	251	Z	FT glo	-5.821	-5.821	0.000	0.000
8278	S002-valanga	252	Z	FT glo	-6.033	-5.306	0.000	0.000
8279	S002-valanga	699	Z	FT glo	-4.852	-3.965	0.000	0.000
8280	S002-valanga	695	Z	FT glo	-5.897	-5.624	0.000	0.000
8281	S002-valanga	696	Z	FT glo	-5.241	-2.910	0.000	0.000
8282	S002-valanga	149	Z	FT glo	-5.668	-2.886	0.000	0.000
8283	S002-valanga	716	Z	FT glo	-2.686	0.000	0.000	0.000
8284	S002-valanga	717	Z	FT glo	-2.811	-2.271	0.000	0.000
8285	S002-valanga	718	Z	FT glo	-2.271	0.000	0.000	0.000

8286	S002-valanga	719	Z	FT glo	-2.835	-1.855	0.000	0.000
8287	S002-valanga	375	Z	FT glo	-5.854	-5.854	0.000	0.000
8288	S002-valanga	661	Z	FT glo	-6.631	-5.077	0.000	0.000
8289	S001-valanga	197	Z	FT glo	-2.916	-1.458	0.000	0.000
8290	S001-valanga	198	Z	FT glo	-1.458	0.000	0.000	0.000
8291	S001-valanga	199	Z	FT glo	-2.895	-2.186	0.000	0.000
8292	S001-valanga	200	Z	FT glo	-2.379	-1.444	0.000	0.000
8293	S001-valanga	203	Z	FT glo	-1.855	-1.221	0.000	0.000
8294	S001-valanga	378	Z	FT glo	-5.575	-3.830	0.000	0.000
8295	S001-valanga	380	Z	FT glo	-6.265	-4.866	0.000	0.000
8296	S001-valanga	382	Z	FT glo	-6.265	-4.866	0.000	0.000
8297	S001-valanga	384	Z	FT glo	-6.265	-4.866	0.000	0.000
8298	S001-valanga	386	Z	FT glo	-6.265	-4.866	0.000	0.000
8299	S001-valanga	388	Z	FT glo	-6.265	-4.866	0.000	0.000
8300	S001-valanga	390	Z	FT glo	-6.265	-4.866	0.000	0.000
8301	S001-valanga	392	Z	FT glo	-6.218	-3.567	0.000	0.000
8302	S001-valanga	394	Z	FT glo	-8.667	-2.910	0.000	0.000
8303	S001-valanga	397	Z	FT glo	-3.655	-2.910	0.000	0.000
8304	S001-valanga	398	Z	FT glo	-5.821	-5.131	0.000	0.000
8305	S001-valanga	400	Z	FT glo	-5.821	-5.821	0.000	0.000
8306	S001-valanga	402	Z	FT glo	-5.821	-5.821	0.000	0.000
8307	S001-valanga	404	Z	FT glo	-5.821	-5.821	0.000	0.000
8308	S001-valanga	406	Z	FT glo	-5.821	-5.821	0.000	0.000
8309	S001-valanga	408	Z	FT glo	-5.821	-5.821	0.000	0.000
8310	S001-valanga	412	Z	FT glo	-5.821	-5.821	0.000	0.000
8311	S001-valanga	414	Z	FT glo	-5.821	-5.820	0.000	0.000
8312	S001-valanga	416	Z	FT glo	-6.471	-2.847	0.000	0.000
8313	S001-valanga	418	Z	FT glo	-8.923	-2.910	0.000	0.000
8314	S001-valanga	427	Z	FT glo	-5.917	-5.917	0.000	0.000
8315	S001-valanga	429	Z	FT glo	-5.821	-5.821	0.000	0.000
8316	S001-valanga	431	Z	FT glo	-5.821	-5.821	0.000	0.000
8317	S001-valanga	433	Z	FT glo	-5.821	-5.821	0.000	0.000
8318	S001-valanga	437	Z	FT glo	-5.821	-5.821	0.000	0.000
8319	S001-valanga	439	Z	FT glo	-5.821	-5.821	0.000	0.000
8320	S001-valanga	441	Z	FT glo	-5.821	-5.821	0.000	0.000
8321	S001-valanga	443	Z	FT glo	-5.821	-5.821	0.000	0.000
8322	S001-valanga	445	Z	FT glo	-5.821	-5.821	0.000	0.000
8323	S001-valanga	447	Z	FT glo	-5.821	-5.821	0.000	0.000
8324	S001-valanga	449	Z	FT glo	-4.376	-2.910	0.000	0.000
8325	S001-valanga	423	Z	FT glo	-5.692	-5.692	0.000	0.000
8326	S001-valanga	666	Z	FT glo	-6.443	-4.941	0.000	0.000
8327	S001-valanga	225	Z	FT glo	-5.821	-5.821	0.000	0.000
8328	S001-valanga	671	Z	FT glo	-6.486	-2.079	0.000	0.000
8329	S001-valanga	425	Z	FT glo	-5.821	-5.821	0.000	0.000
8330	S001-valanga	673	Z	FT glo	-6.524	-5.118	0.000	0.000
8331	S001-valanga	106	Z	FT glo	-4.397	-2.932	0.000	0.000
8332	S001-valanga	196	Z	FT glo	-1.458	0.000	0.000	0.000
8333	S001-valanga	223	Z	FT glo	-5.821	-5.821	0.000	0.000
8334	S001-valanga	120	Z	FT glo	-5.692	-5.692	0.000	0.000
8335	S001-valanga	119	Z	FT glo	-5.821	-5.821	0.000	0.000
8336	S001-valanga	118	Z	FT glo	-5.917	-5.917	0.000	0.000
8337	S001-valanga	117	Z	FT glo	-5.821	-5.821	0.000	0.000
8338	S001-valanga	116	Z	FT glo	-5.821	-5.821	0.000	0.000
8339	S001-valanga	115	Z	FT glo	-5.821	-5.821	0.000	0.000
8340	S001-valanga	114	Z	FT glo	-5.821	-5.821	0.000	0.000
8341	S001-valanga	113	Z	FT glo	-5.821	-5.821	0.000	0.000
8342	S001-valanga	112	Z	FT glo	-5.821	-5.821	0.000	0.000
8343	S001-valanga	111	Z	FT glo	-5.821	-5.821	0.000	0.000
8344	S001-valanga	110	Z	FT glo	-5.821	-5.821	0.000	0.000
8345	S001-valanga	109	Z	FT glo	-5.821	-5.821	0.000	0.000
8346	S001-valanga	108	Z	FT glo	-5.821	-5.821	0.000	0.000
8347	S001-valanga	107	Z	FT glo	-5.842	-5.842	0.000	0.000
8348	S001-valanga	451	Z	FT glo	-5.842	-4.376	0.000	0.000
8349	S001-valanga	452	Z	FT glo	-5.821	-5.821	0.000	0.000
8350	S001-valanga	454	Z	FT glo	-5.821	-5.821	0.000	0.000
8351	S001-valanga	456	Z	FT glo	-5.821	-5.821	0.000	0.000
8352	S001-valanga	458	Z	FT glo	-5.821	-5.821	0.000	0.000
8353	S001-valanga	460	Z	FT glo	-5.821	-5.821	0.000	0.000
8354	S001-valanga	462	Z	FT glo	-5.821	-5.821	0.000	0.000
8355	S001-valanga	464	Z	FT glo	-5.821	-5.821	0.000	0.000
8356	S001-valanga	466	Z	FT glo	-5.821	-5.821	0.000	0.000
8357	S001-valanga	468	Z	FT glo	-5.821	-5.821	0.000	0.000
8358	S001-valanga	470	Z	FT glo	-5.821	-5.821	0.000	0.000
8359	S001-valanga	472	Z	FT glo	-5.917	-5.917	0.000	0.000
8360	S001-valanga	474	Z	FT glo	-5.821	-5.821	0.000	0.000
8361	S001-valanga	476	Z	FT glo	-5.692	-5.692	0.000	0.000
8362	S001-valanga	224	Z	FT glo	-5.821	-5.821	0.000	0.000
8363	S001-valanga	122	Z	FT glo	-5.854	-5.854	0.000	0.000
8364	S001-valanga	478	Z	FT glo	-5.854	-5.854	0.000	0.000
8365	S001-valanga	421	Z	FT glo	-5.854	-5.854	0.000	0.000
8366	S001-valanga	226	Z	FT glo	-5.821	-5.821	0.000	0.000
8367	S001-valanga	480	Z	FT glo	-5.821	-5.821	0.000	0.000
8368	S001-valanga	672	Z	FT glo	-6.368	-3.654	0.000	0.000
8369	S001-valanga	227	Z	FT glo	-6.303	-4.271	0.000	0.000

8370	S001-valanga	228	Z	FT glo	-5.821	-5.821	0.000	0.000
8371	S001-valanga	229	Z	FT glo	-6.033	-5.306	0.000	0.000
8372	S001-valanga	698	Z	FT glo	-4.852	-3.965	0.000	0.000
8373	S001-valanga	690	Z	FT glo	-5.904	-5.637	0.000	0.000
8374	S001-valanga	697	Z	FT glo	-5.241	-2.910	0.000	0.000
8375	S001-valanga	125	Z	FT glo	-5.668	-2.910	0.000	0.000
8376	S001-valanga	712	Z	FT glo	-2.271	0.000	0.000	0.000
8377	S001-valanga	713	Z	FT glo	-2.835	-1.855	0.000	0.000
8378	S001-valanga	714	Z	FT glo	-2.686	0.000	0.000	0.000
8379	S001-valanga	715	Z	FT glo	-2.835	-2.271	0.000	0.000
8380	S001-valanga	410	Z	FT glo	-5.821	-5.821	0.000	0.000
8381	S001-valanga	435	Z	FT glo	-5.821	-5.821	0.000	0.000

PESI PROPRI ASTE--|----------|----------|----------|----------|----------|

Cond.	Nome Carichi	Aste
1	8382-8412	1, 5-6, 8-9, 11-15, 629-649

CARICHI DI LINEA |----------|----------|----------|----------|num.= 0

Nome	numero coordinata inizio	fine	Cond.	Direz.	Intensità inizio	fine	Descrizione

CARICHI GUSCI-----|----------|----------|----------|----------|num.= 3021

Nome	Guscio	Dir	Tip	RIF	Intensita`
8413 permsoppalco	2272	Z	FD	glo	-0.02000
8414 permsoppalco	2273	Z	FD	glo	-0.02000
8415 permsoppalco	2274	Z	FD	glo	-0.02000
8416 permsoppalco	2275	Z	FD	glo	-0.02000
8417 permsoppalco	2276	Z	FD	glo	-0.02000
8418 permsoppalco	2277	Z	FD	glo	-0.02000
8419 permsoppalco	2278	Z	FD	glo	-0.02000
8420 permsoppalco	2279	Z	FD	glo	-0.02000
8421 permsoppalco	2280	Z	FD	glo	-0.02000
8422 permsoppalco	2281	Z	FD	glo	-0.02000
8423 permsoppalco	2282	Z	FD	glo	-0.02000
8424 permsoppalco	2283	Z	FD	glo	-0.02000
8425 permsoppalco	2284	Z	FD	glo	-0.02000
8426 permsoppalco	2285	Z	FD	glo	-0.02000
8427 permsoppalco	2286	Z	FD	glo	-0.02000
8428 permsoppalco	2287	Z	FD	glo	-0.02000
8429 permsoppalco	2288	Z	FD	glo	-0.02000
8430 permsoppalco	2289	Z	FD	glo	-0.02000
8431 permsoppalco	2290	Z	FD	glo	-0.02000
8432 permsoppalco	2291	Z	FD	glo	-0.02000
8433 permsoppalco	2292	Z	FD	glo	-0.02000
8434 permsoppalco	2293	Z	FD	glo	-0.02000
8435 permsoppalco	2294	Z	FD	glo	-0.02000
8436 permsoppalco	2302	Z	FD	glo	-0.02000
8437 permsoppalco	2303	Z	FD	glo	-0.02000
8438 permsoppalco	2304	Z	FD	glo	-0.02000
8439 permsoppalco	2305	Z	FD	glo	-0.02000
8440 permsoppalco	2306	Z	FD	glo	-0.02000
8441 permsoppalco	2307	Z	FD	glo	-0.02000
8442 permsoppalco	2308	Z	FD	glo	-0.02000
8443 permsoppalco	2309	Z	FD	glo	-0.02000
8444 permsoppalco	2310	Z	FD	glo	-0.02000
8445 permsoppalco	2311	Z	FD	glo	-0.02000
8446 permsoppalco	2312	Z	FD	glo	-0.02000
8447 permsoppalco	2313	Z	FD	glo	-0.02000
8448 permsoppalco	2314	Z	FD	glo	-0.02000
8449 permsoppalco	2315	Z	FD	glo	-0.02000
8450 permsoppalco	2316	Z	FD	glo	-0.02000
8451 permsoppalco	2317	Z	FD	glo	-0.02000
8452 permsoppalco	2318	Z	FD	glo	-0.02000
8453 permsoppalco	2319	Z	FD	glo	-0.02000
8454 permsoppalco	2320	Z	FD	glo	-0.02000
8455 permsoppalco	2321	Z	FD	glo	-0.02000
8456 permsoppalco	2322	Z	FD	glo	-0.02000
8457 permsoppalco	2323	Z	FD	glo	-0.02000
8458 permsoppalco	2324	Z	FD	glo	-0.02000
8459 permsoppalco	2326	Z	FD	glo	-0.02000
8460 permsoppalco	2327	Z	FD	glo	-0.02000
8461 permsoppalco	2328	Z	FD	glo	-0.02000
8462 permsoppalco	2329	Z	FD	glo	-0.02000
8463 permsoppalco	2330	Z	FD	glo	-0.02000
8464 permsoppalco	2331	Z	FD	glo	-0.02000
8465 permsoppalco	2332	Z	FD	glo	-0.02000
8466 permsoppalco	2333	Z	FD	glo	-0.02000
8467 permsoppalco	2334	Z	FD	glo	-0.02000
8468 permsoppalco	2335	Z	FD	glo	-0.02000
8469 permsoppalco	2336	Z	FD	glo	-0.02000
8470 permsoppalco	2338	Z	FD	glo	-0.02000
8471 permsoppalco	2340	Z	FD	glo	-0.02000
8472 permsoppalco	2341	Z	FD	glo	-0.02000
8473 permsoppalco	2342	Z	FD	glo	-0.02000

8474	permsoppalco	2343	Z	FD	glo	-0.02000
8475	permsoppalco	2344	Z	FD	glo	-0.02000
8476	permsoppalco	2345	Z	FD	glo	-0.02000
8477	permsoppalco	2346	Z	FD	glo	-0.02000
8478	permsoppalco	2347	Z	FD	glo	-0.02000
8479	permsoppalco	2348	Z	FD	glo	-0.02000
8480	permsoppalco	2349	Z	FD	glo	-0.02000
8481	permsoppalco	2350	Z	FD	glo	-0.02000
8482	permsoppalco	2351	Z	FD	glo	-0.02000
8483	permsoppalco	2352	Z	FD	glo	-0.02000
8484	permsoppalco	2353	Z	FD	glo	-0.02000
8485	permsoppalco	2354	Z	FD	glo	-0.02000
8486	permsoppalco	2359	Z	FD	glo	-0.02000
8487	permsoppalco	2360	Z	FD	glo	-0.02000
8488	permsoppalco	2361	Z	FD	glo	-0.02000
8489	permsoppalco	2377	Z	FD	glo	-0.02000
8490	permsoppalco	2379	Z	FD	glo	-0.02000
8491	permsoppalco	2380	Z	FD	glo	-0.02000
8492	permsoppalco	2381	Z	FD	glo	-0.02000
8493	permsoppalco	2382	Z	FD	glo	-0.02000
8494	permsoppalco	2383	Z	FD	glo	-0.02000
8495	permsoppalco	2403	Z	FD	glo	-0.02000
8496	permsoppalco	2404	Z	FD	glo	-0.02000
8497	permsoppalco	2405	Z	FD	glo	-0.02000
8498	permsoppalco	2406	Z	FD	glo	-0.02000
8499	permsoppalco	2408	Z	FD	glo	-0.02000
8500	permsoppalco	2411	Z	FD	glo	-0.02000
8501	permsoppalco	2412	Z	FD	glo	-0.02000
8502	permsoppalco	2414	Z	FD	glo	-0.02000
8503	permsoppalco	2415	Z	FD	glo	-0.02000
8504	permsoppalco	2417	Z	FD	glo	-0.02000
8505	permsoppalco	2418	Z	FD	glo	-0.02000
8506	permsoppalco	2419	Z	FD	glo	-0.02000
8507	permsoppalco	2420	Z	FD	glo	-0.02000
8508	permsoppalco	2421	Z	FD	glo	-0.02000
8509	permsoppalco	2427	Z	FD	glo	-0.02000
8510	permsoppalco	2430	Z	FD	glo	-0.02000
8511	permsoppalco	2432	Z	FD	glo	-0.02000
8512	permsoppalco	2433	Z	FD	glo	-0.02000
8513	permsoppalco	2434	Z	FD	glo	-0.02000
8514	permsoppalco	2438	Z	FD	glo	-0.02000
8515	permsoppalco	2463	Z	FD	glo	-0.02000
8516	permsoppalco	2465	Z	FD	glo	-0.02000
8517	permsoppalco	2467	Z	FD	glo	-0.02000
8518	permsoppalco	2474	Z	FD	glo	-0.02000
8519	permsoppalco	2475	Z	FD	glo	-0.02000
8520	permsoppalco	2476	Z	FD	glo	-0.02000
8521	permsoppalco	2477	Z	FD	glo	-0.02000
8522	permsoppalco	2478	Z	FD	glo	-0.02000
8523	permsoppalco	2479	Z	FD	glo	-0.02000
8524	permsoppalco	2480	Z	FD	glo	-0.02000
8525	permsoppalco	2481	Z	FD	glo	-0.02000
8526	permsoppalco	2482	Z	FD	glo	-0.02000
8527	permsoppalco	2483	Z	FD	glo	-0.02000
8528	permsoppalco	2484	Z	FD	glo	-0.02000
8529	permsoppalco	2485	Z	FD	glo	-0.02000
8530	permsoppalco	2486	Z	FD	glo	-0.02000
8531	permsoppalco	2487	Z	FD	glo	-0.02000
8532	permsoppalco	2488	Z	FD	glo	-0.02000
8533	permsoppalco	2489	Z	FD	glo	-0.02000
8534	permsoppalco	2490	Z	FD	glo	-0.02000
8535	permsoppalco	2491	Z	FD	glo	-0.02000
8536	permsoppalco	2492	Z	FD	glo	-0.02000
8537	permsoppalco	2493	Z	FD	glo	-0.02000
8538	permsoppalco	2494	Z	FD	glo	-0.02000
8539	permsoppalco	2495	Z	FD	glo	-0.02000
8540	permsoppalco	2496	Z	FD	glo	-0.02000
8541	permsoppalco	2497	Z	FD	glo	-0.02000
8542	permsoppalco	2498	Z	FD	glo	-0.02000
8543	permsoppalco	2499	Z	FD	glo	-0.02000
8544	permsoppalco	2500	Z	FD	glo	-0.02000
8545	permsoppalco	2502	Z	FD	glo	-0.02000
8546	permsoppalco	2503	Z	FD	glo	-0.02000
8547	permsoppalco	2504	Z	FD	glo	-0.02000
8548	permsoppalco	2505	Z	FD	glo	-0.02000
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8550	permsoppalco	2507	Z	FD	glo	-0.02000
8551	permsoppalco	2508	Z	FD	glo	-0.02000
8552	permsoppalco	2295	Z	FD	glo	-0.02000
8553	permsoppalco	2355	Z	FD	glo	-0.02000
8554	permsoppalco	2296	Z	FD	glo	-0.02000
8555	permsoppalco	2297	Z	FD	glo	-0.02000
8556	permsoppalco	2339	Z	FD	glo	-0.02000
8557	permsoppalco	2325	Z	FD	glo	-0.02000

8558	permsoppalco	2298	Z	FD glo	-0.02000
8559	permsoppalco	2337	Z	FD glo	-0.02000
8560	permsoppalco	2376	Z	FD glo	-0.02000
8561	permsoppalco	2519	Z	FD glo	-0.02000
8562	permsoppalco	2520	Z	FD glo	-0.02000
8563	permsoppalco	2521	Z	FD glo	-0.02000
8564	permsoppalco	2522	Z	FD glo	-0.02000
8565	permsoppalco	2523	Z	FD glo	-0.02000
8566	permsoppalco	2524	Z	FD glo	-0.02000
8567	permsoppalco	2525	Z	FD glo	-0.02000
8568	permsoppalco	2526	Z	FD glo	-0.02000
8569	permsoppalco	2527	Z	FD glo	-0.02000
8570	permsoppalco	2528	Z	FD glo	-0.02000
8571	permsoppalco	2529	Z	FD glo	-0.02000
8572	permsoppalco	2530	Z	FD glo	-0.02000
8573	permsoppalco	2531	Z	FD glo	-0.02000
8574	permsoppalco	2532	Z	FD glo	-0.02000
8575	permsoppalco	2533	Z	FD glo	-0.02000
8576	permsoppalco	2534	Z	FD glo	-0.02000
8577	permsoppalco	2535	Z	FD glo	-0.02000
8578	permsoppalco	2537	Z	FD glo	-0.02000
8579	permsoppalco	2538	Z	FD glo	-0.02000
8580	permsoppalco	2540	Z	FD glo	-0.02000
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8582	permsoppalco	2542	Z	FD glo	-0.02000
8583	permsoppalco	2543	Z	FD glo	-0.02000
8584	permsoppalco	2544	Z	FD glo	-0.02000
8585	permsoppalco	2545	Z	FD glo	-0.02000
8586	permsoppalco	2546	Z	FD glo	-0.02000
8587	permsoppalco	2547	Z	FD glo	-0.02000
8588	permsoppalco	2548	Z	FD glo	-0.02000
8589	permsoppalco	2549	Z	FD glo	-0.02000
8590	permsoppalco	2550	Z	FD glo	-0.02000
8591	varsoppalco	2272	Z	FD glo	-0.04000
8592	varsoppalco	2273	Z	FD glo	-0.04000
8593	varsoppalco	2274	Z	FD glo	-0.04000
8594	varsoppalco	2275	Z	FD glo	-0.04000
8595	varsoppalco	2276	Z	FD glo	-0.04000
8596	varsoppalco	2277	Z	FD glo	-0.04000
8597	varsoppalco	2278	Z	FD glo	-0.04000
8598	varsoppalco	2279	Z	FD glo	-0.04000
8599	varsoppalco	2280	Z	FD glo	-0.04000
8600	varsoppalco	2281	Z	FD glo	-0.04000
8601	varsoppalco	2282	Z	FD glo	-0.04000
8602	varsoppalco	2283	Z	FD glo	-0.04000
8603	varsoppalco	2284	Z	FD glo	-0.04000
8604	varsoppalco	2285	Z	FD glo	-0.04000
8605	varsoppalco	2286	Z	FD glo	-0.04000
8606	varsoppalco	2287	Z	FD glo	-0.04000
8607	varsoppalco	2288	Z	FD glo	-0.04000
8608	varsoppalco	2289	Z	FD glo	-0.04000
8609	varsoppalco	2290	Z	FD glo	-0.04000
8610	varsoppalco	2291	Z	FD glo	-0.04000
8611	varsoppalco	2292	Z	FD glo	-0.04000
8612	varsoppalco	2293	Z	FD glo	-0.04000
8613	varsoppalco	2294	Z	FD glo	-0.04000
8614	varsoppalco	2302	Z	FD glo	-0.04000
8615	varsoppalco	2303	Z	FD glo	-0.04000
8616	varsoppalco	2304	Z	FD glo	-0.04000
8617	varsoppalco	2305	Z	FD glo	-0.04000
8618	varsoppalco	2306	Z	FD glo	-0.04000
8619	varsoppalco	2307	Z	FD glo	-0.04000
8620	varsoppalco	2308	Z	FD glo	-0.04000
8621	varsoppalco	2309	Z	FD glo	-0.04000
8622	varsoppalco	2310	Z	FD glo	-0.04000
8623	varsoppalco	2311	Z	FD glo	-0.04000
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8627	varsoppalco	2315	Z	FD glo	-0.04000
8628	varsoppalco	2316	Z	FD glo	-0.04000
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8631	varsoppalco	2319	Z	FD glo	-0.04000
8632	varsoppalco	2320	Z	FD glo	-0.04000
8633	varsoppalco	2321	Z	FD glo	-0.04000
8634	varsoppalco	2322	Z	FD glo	-0.04000
8635	varsoppalco	2323	Z	FD glo	-0.04000
8636	varsoppalco	2324	Z	FD glo	-0.04000
8637	varsoppalco	2326	Z	FD glo	-0.04000
8638	varsoppalco	2327	Z	FD glo	-0.04000
8639	varsoppalco	2328	Z	FD glo	-0.04000
8640	varsoppalco	2329	Z	FD glo	-0.04000
8641	varsoppalco	2330	Z	FD glo	-0.04000

8642	varsoppalco	2331	Z	FD	glo	-0.04000
8643	varsoppalco	2332	Z	FD	glo	-0.04000
8644	varsoppalco	2333	Z	FD	glo	-0.04000
8645	varsoppalco	2334	Z	FD	glo	-0.04000
8646	varsoppalco	2335	Z	FD	glo	-0.04000
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8669	varsoppalco	2380	Z	FD	glo	-0.04000
8670	varsoppalco	2381	Z	FD	glo	-0.04000
8671	varsoppalco	2382	Z	FD	glo	-0.04000
8672	varsoppalco	2383	Z	FD	glo	-0.04000
8673	varsoppalco	2403	Z	FD	glo	-0.04000
8674	varsoppalco	2404	Z	FD	glo	-0.04000
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8677	varsoppalco	2408	Z	FD	glo	-0.04000
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8723	varsoppalco	2502	Z	FD	glo	-0.04000
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8726	varsoppalco	2505	Z	FD	glo	-0.04000
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8907	vento	860	Z	FD	loc	0.01500
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8909	vento	867	Z	FD	loc	0.01500
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8965	vento	423	Z	FD	loc	0.01500
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     3         C2:_tribune   N. carichi:  178
        Lista carichi: 8591-8768

     4  Neve_(>1000m_slm)__   N. carichi:  185
        Lista carichi: 7920-8104

     5          Fondazione   N. carichi:  961
        Lista carichi: 10473-11433

     6             vento_X   N. carichi:  387
        Lista carichi: 8105-8196, 8769-9063

     7             vento_Y   N. carichi:    6
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 8             valanga   N. carichi:  774
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10    Autovett_001_(Y)   N. carichi:   80
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11    Autovett_002_(X)   N. carichi:   80
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12    Autovett_002_(Y)   N. carichi:   68
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13    Autovett_003_(X)   N. carichi:   80
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14    Autovett_003_(Y)   N. carichi:   70
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15    Autovett_004_(X)   N. carichi:   47
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16    Autovett_004_(Y)   N. carichi:   80
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17    Autovett_005_(X)   N. carichi:   80
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18    Autovett_005_(Y)   N. carichi:   80
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19    Autovett_006_(X)   N. carichi:   80
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21    Autovett_007_(X)   N. carichi:   80
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22    Autovett_007_(Y)   N. carichi:   80
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23    Autovett_008_(X)   N. carichi:   80
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24    Autovett_008_(Y)   N. carichi:   80
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25    Autovett_009_(X)   N. carichi:   80
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28    Autovett_010_(Y)   N. carichi:   80
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29    Autovett_011_(X)   N. carichi:   80
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30    Autovett_011_(Y)   N. carichi:   80
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31    Autovett_012_(X)   N. carichi:   80
    Lista carichi: 1681-1760

32    Autovett_012_(Y)   N. carichi:   79
    Lista carichi: 1761-1839

33    Autovett_013_(X)   N. carichi:   75
    Lista carichi: 1840-1914

34    Autovett_013_(Y)   N. carichi:   80
    Lista carichi: 1915-1994

35    Autovett_014_(X)   N. carichi:   80
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Lista carichi: 1995-2074

36 Autovett_014_(Y) N. carichi: 80
Lista carichi: 2075-2154

37 Autovett_015_(X) N. carichi: 79
Lista carichi: 2155-2233

38 Autovett_015_(Y) N. carichi: 80
Lista carichi: 2234-2313

39 Autovett_016_(X) N. carichi: 80
Lista carichi: 2314-2393

40 Autovett_016_(Y) N. carichi: 80
Lista carichi: 2394-2473

41 Autovett_017_(X) N. carichi: 80
Lista carichi: 2474-2553

42 Autovett_017_(Y) N. carichi: 80
Lista carichi: 2554-2633

43 Autovett_018_(X) N. carichi: 36
Lista carichi: 2634-2669

44 Autovett_018_(Y) N. carichi: 1
Lista carichi: 2670

45 Autovett_019_(X) N. carichi: 80
Lista carichi: 2671-2750

46 Autovett_019_(Y) N. carichi: 73
Lista carichi: 2751-2823

47 Autovett_020_(X) N. carichi: 79
Lista carichi: 2824-2902

48 Autovett_020_(Y) N. carichi: 79
Lista carichi: 2903-2981

49 Autovett_021_(X) N. carichi: 80
Lista carichi: 2982-3061

50 Autovett_021_(Y) N. carichi: 79
Lista carichi: 3062-3140

51 Sisma_X N. carichi: 1126
Lista carichi: 3141-4266

52 Sisma_Y N. carichi: 1126
Lista carichi: 4267-5392

53 Torcente_add._X N. carichi: 1031
Lista carichi: 5393-6423

54 Torcente_add._Y N. carichi: 1126
Lista carichi: 6424-7549

RISULTANTI DEI CARICHI (punto di applicazione nell'origine degli assi):

cond.	FX	FY	FZ	MX	MY	MZ
1	0.000000E+00	0.000000E+00	-6.485485E+05	-7.408907E+08	-1.263805E+07	0.000000E+00
2	0.000000E+00	0.000000E+00	-7.354828E+04	-7.886719E+07	2.583138E+06	0.000000E+00
3	0.000000E+00	0.000000E+00	-6.048480E+04	-9.297736E+07	1.042238E+07	0.000000E+00
4	0.000000E+00	0.000000E+00	-7.795037E+05	-5.828118E+08	-4.730525E+07	0.000000E+00
5	0.000000E+00	0.000000E+00	-8.099040E+05	-6.483971E+08	-4.859557E+07	0.000000E+00
6	1.727627E+04	-2.294943E+04	-2.293832E+04	-8.305200E+06	-1.723748E+07	2.954025E+06
7	0.000000E+00	2.248020E+04	0.000000E+00	-1.315177E+07	0.000000E+00	0.000000E+00
8	5.449154E+04	-5.153844E+04	-4.330560E+05	-3.081012E+08	-9.575461E+06	1.699416E+07
9	3.797000E+01	0.000000E+00	0.000000E+00	0.000000E+00	1.328950E+04	-3.744280E+03
10	0.000000E+00	3.359656E+04	0.000000E+00	-1.175880E+07	0.000000E+00	-7.962029E+05
11	1.170100E+02	0.000000E+00	0.000000E+00	0.000000E+00	4.095350E+04	-6.952949E+05
12	0.000000E+00	6.900000E-01	0.000000E+00	-2.415000E+02	0.000000E+00	-1.245204E+05
13	5.783819E+04	0.000000E+00	0.000000E+00	0.000000E+00	2.024337E+07	-1.023562E+07
14	0.000000E+00	2.817000E+02	0.000000E+00	-9.859500E+04	0.000000E+00	-2.452717E+06
15	1.002000E+01	0.000000E+00	0.000000E+00	0.000000E+00	3.507000E+03	-3.500585E+04
16	0.000000E+00	2.054821E+04	0.000000E+00	-7.191874E+06	0.000000E+00	-1.448417E+05
17	4.173200E+02	0.000000E+00	0.000000E+00	0.000000E+00	1.460620E+05	1.831519E+06
18	0.000000E+00	5.963950E+03	0.000000E+00	-2.087383E+06	0.000000E+00	1.566857E+07
19	1.788820E+03	0.000000E+00	0.000000E+00	0.000000E+00	6.260870E+05	-4.313764E+06
20	0.000000E+00	6.584130E+03	0.000000E+00	-2.304446E+06	0.000000E+00	-1.144825E+07
21	1.458955E+04	0.000000E+00	0.000000E+00	0.000000E+00	5.106343E+06	-2.057469E+07
22	0.000000E+00	2.240650E+03	0.000000E+00	-7.842275E+05	0.000000E+00	3.737502E+06
23	1.087120E+03	0.000000E+00	0.000000E+00	0.000000E+00	3.804920E+05	-2.156250E+06

24	0.000000E+00	2.283600E+02	0.000000E+00	-7.992600E+04	0.000000E+00	2.366113E+05
25	2.799119E+04	0.000000E+00	0.000000E+00	0.000000E+00	9.796917E+06	-3.661062E+07
26	0.000000E+00	7.425000E+02	0.000000E+00	-2.598750E+05	0.000000E+00	-5.738074E+05
27	8.918500E+02	0.000000E+00	0.000000E+00	0.000000E+00	3.121475E+05	-7.897095E+05
28	0.000000E+00	5.613743E+04	0.000000E+00	-1.964810E+07	0.000000E+00	-1.390986E+07
29	2.313681E+04	0.000000E+00	0.000000E+00	0.000000E+00	8.097884E+06	-2.916909E+07
30	0.000000E+00	6.468510E+03	0.000000E+00	-2.263979E+06	0.000000E+00	9.867417E+06
31	5.865900E+03	0.000000E+00	0.000000E+00	0.000000E+00	2.053065E+06	-8.502345E+06
32	0.000000E+00	3.986300E+02	0.000000E+00	-1.395205E+05	0.000000E+00	8.442447E+05
33	4.900000E+00	0.000000E+00	0.000000E+00	0.000000E+00	1.715000E+03	-2.101626E+04
34	0.000000E+00	3.163500E+03	0.000000E+00	-1.107225E+06	0.000000E+00	9.980009E+05
35	3.427390E+03	0.000000E+00	0.000000E+00	0.000000E+00	1.199587E+06	-2.181581E+06
36	0.000000E+00	1.715205E+04	0.000000E+00	-6.003218E+06	0.000000E+00	-6.325438E+06
37	1.404800E+02	0.000000E+00	0.000000E+00	0.000000E+00	4.916800E+04	-1.999178E+05
38	0.000000E+00	1.447000E+02	0.000000E+00	-5.064500E+04	0.000000E+00	-9.309081E+04
39	5.341800E+03	0.000000E+00	0.000000E+00	0.000000E+00	1.869630E+06	-6.487953E+06
40	0.000000E+00	2.476940E+03	0.000000E+00	-8.669290E+05	0.000000E+00	-4.479414E+05
41	1.674070E+03	0.000000E+00	0.000000E+00	0.000000E+00	5.859245E+05	-3.179084E+06
42	0.000000E+00	1.963826E+04	0.000000E+00	-6.873391E+06	0.000000E+00	9.958922E+06
43	1.848000E+01	0.000000E+00	0.000000E+00	0.000000E+00	6.468000E+03	-6.106515E+03
44	0.000000E+00	2.000000E-01	0.000000E+00	-7.000000E+01	0.000000E+00	-4.486000E+02
45	2.419950E+03	0.000000E+00	0.000000E+00	0.000000E+00	8.469825E+05	-4.106850E+06
46	0.000000E+00	2.020000E+00	0.000000E+00	-7.070000E+02	0.000000E+00	1.763354E+04
47	3.433000E+02	0.000000E+00	0.000000E+00	0.000000E+00	1.201550E+05	-6.350795E+05
48	0.000000E+00	3.260000E+01	0.000000E+00	-1.141000E+04	0.000000E+00	-1.085283E+05
49	2.455800E+04	0.000000E+00	0.000000E+00	0.000000E+00	8.595300E+06	-4.063641E+07
50	0.000000E+00	4.010000E+00	0.000000E+00	-1.403500E+03	0.000000E+00	3.039044E+05
51	2.478569E+05	0.000000E+00	0.000000E+00	0.000000E+00	1.590558E+08	-2.596641E+08
52	0.000000E+00	2.478569E+05	0.000000E+00	-1.590558E+08	0.000000E+00	-8.097284E+05
53	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	1.028802E+04	-2.507960E+07
54	0.000000E+00	0.000000E+00	0.000000E+00	-5.500983E+03	0.000000E+00	3.467258E+07

DATI ANALISI SISMICA:

ANALISI DINAMICA lavoro :\cerv01

PARAMETRI DI CALCOLO:

Modello generale
Assi di vibrazione: X Y
Combinazione quadratica completa (CQC)

DATI PROGETTO

Edificio sito in località (long. 7.627 lat. 45.937900)

Categoria del suolo di fondazione = B

Coeff. di amplificazione stratigrafica Ss = 1.200

Coeff. di amplificazione topografica ST = 1.000

S = 1.200

Vita nominale dell'opera VN = 50 anni

Coefficiente d'uso CU = 1.5

Periodo di riferimento VR = 75.0

PVR : probabilit? di superamento in VR = 10 %

Tempo di ritorno = 711

Coeff. di smorzamento viscoso = 5.0

Valori risultanti per :
ag 1.356 [g/10]
Fo 2.499
TC* 0.297

Fattore di comportamento q = 1.500

Rapporto spettro di esercizio / spettro di progetto = 0.595

CONDIZIONI DI RIFERIMENTO	COEFFICIENTE	PESO RISULTANTE [daN]
1.	1.000	648548.5
2.	1.000	73548.3
3.	0.600	36290.9
4.	0.200	155900.7

*** TABELLA AUTOVETTORI ***

n	PERIODO [sec]	MASSA ATTIVATA %X	%Y	%Z	COEFFICIENTI DI CORRELAZIONE n+1	n+2	n+3	n+4	n+5	n+6	n+7													
1	0.153396	0.016	15.014	0.000	0.757	0.481	0.241	0.148	0.126	0.101	0.052	0.051	0.047	0.038	0.035	0.016	0.014	0.010	0.008	0.006	0.003	0.003	0.002	0.002
2	0.144950	0.052	0.000	0.000	0.818	0.409	0.231	0.192	0.148	0.069	0.067	0.062	0.049	0.044	0.020	0.017	0.011	0.009	0.006	0.004	0.003	0.002	0.002	
3	0.138285	25.893	0.126	0.000	0.652	0.355	0.287	0.213	0.089	0.087	0.079	0.061	0.054	0.023	0.019	0.013	0.010	0.007	0.004	0.003	0.003	0.002		
4	0.128557	0.004	9.464	0.000	0.725	0.584	0.416	0.143	0.139	0.124	0.090	0.079	0.029	0.025	0.016	0.012	0.008	0.005	0.004	0.003	0.003			
5	0.120887	0.197	2.811	0.000	0.951	0.756	0.232	0.223	0.195	0.134	0.114	0.037	0.031	0.019	0.014	0.010	0.005	0.004	0.003	0.003				
6	0.118176	0.850	3.129	0.000	0.896	0.283	0.271	0.236	0.158	0.133	0.041	0.034	0.020	0.015	0.010	0.005	0.004	0.004	0.003					
7	0.114216	7.019	1.078	0.000	0.391	0.373	0.320	0.206	0.171	0.048	0.039	0.023	0.017	0.011	0.006	0.005	0.004	0.003						
8	0.100835	0.546	0.115	0.000	0.998	0.959	0.666	0.528	0.091	0.069	0.036	0.025	0.016	0.008	0.006	0.005	0.004							
9	0.100371	14.069	0.373	0.000	0.975	0.695	0.553	0.093	0.071	0.037	0.026	0.016	0.008	0.006	0.005	0.004								
10	0.098771	0.451	28.363	0.000	0.799	0.647	0.103	0.077	0.039	0.027	0.017	0.008	0.006	0.005	0.004									
11	0.093950	11.876	3.320	0.000	0.947	0.144	0.104	0.049	0.033	0.019	0.009	0.007	0.006	0.005										
12	0.091752	3.033	0.206	0.000	0.172	0.121	0.055	0.036	0.021	0.010	0.008	0.006	0.005											
13	0.073742	0.003	1.740	0.000	0.805	0.216	0.108	0.048	0.018	0.013	0.010	0.008												
14	0.070203	1.909	9.554	0.000	0.335	0.151	0.060	0.021	0.015	0.011	0.009													
15	0.060996	0.081	0.083	0.000	0.525	0.138	0.034	0.024	0.017	0.013														
16	0.055474	3.142	1.457	0.000	0.298	0.052	0.034	0.023	0.017															
17	0.047609	1.015	11.904	0.000	0.121	0.067	0.040	0.028																
18	0.036430	0.013	0.000	0.000	0.500	0.181	0.097																	
19	0.032972	1.556	0.001	0.000	0.444	0.194																		
20	0.029488	0.224	0.021	0.000	0.547																			
21	0.026926	16.194	0.003	0.000																				
MASSA TOTALE		88.142	88.764	0.000																				

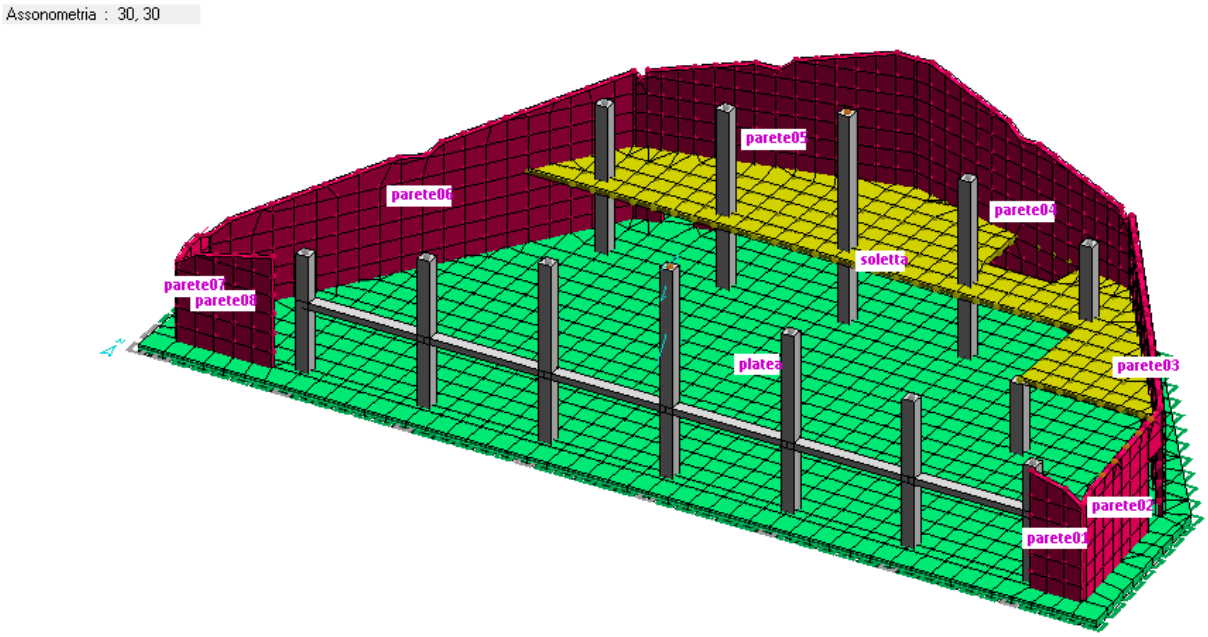
DESCRIZIONE CASI DI CARICO:

NOME	DESCRIZIONE	VERIFICA	TIPO	CONDIZ. INSERITE			CASI INSERITI	
				Num.	Coeff.	Segno	Num.	Coeff.
1	SLU	S.L.U.	somma	1	1.300	+		
				2	1.500	+		
				3	1.500	+		
				4	1.500	+		
				5	1.300	+		
2	SLU VENTOX	S.L.U.	somma	1	1.300	+		
				2	1.500	+		
				3	1.500	+		
				4	1.500	+		
				5	1.300	+		
				6	1.500	±		
3	SLU VENTOY	S.L.U.	somma	1	1.300	+		
				2	1.500	+		
				3	1.500	+		
				4	1.500	+		
				5	1.300	+		
				7	1.500	±		
4	SISMAX SLU	nessuna	somma	9	1.000	quadr.		
				11	1.000	quadr.		
				13	1.000	quadr.		
				15	1.000	quadr.		
				17	1.000	quadr.		
				19	1.000	quadr.		
				21	1.000	quadr.		
				23	1.000	quadr.		
				25	1.000	quadr.		
				27	1.000	quadr.		
				29	1.000	quadr.		
				31	1.000	quadr.		
				33	1.000	quadr.		
				35	1.000	quadr.		
				37	1.000	quadr.		
				39	1.000	quadr.		
				41	1.000	quadr.		
				43	1.000	quadr.		
				44	1.000	quadr.		
				46	1.000	quadr.		
				48	1.000	quadr.		
				52	1.000	±		
5	SISMAY SLU	nessuna	somma	10	1.000	quadr.		
				12	1.000	quadr.		
				14	1.000	quadr.		
				16	1.000	quadr.		
				18	1.000	quadr.		
				20	1.000	quadr.		
				22	1.000	quadr.		
				24	1.000	quadr.		
				26	1.000	quadr.		
				28	1.000	quadr.		
				30	1.000	quadr.		
				32	1.000	quadr.		
				34	1.000	quadr.		
				36	1.000	quadr.		
				38	1.000	quadr.		
				40	1.000	quadr.		
				42	1.000	quadr.		
				45	1.000	quadr.		
				47	1.000	quadr.		
				49	1.000	quadr.		
				53	1.000	±		
6	SLU con SISMAX PRINC	S.L.U.	somma	1	1.000	+	4	1.000
				2	1.000	+	5	0.300
				3	0.600	+		
				4	0.200	+		
				5	1.000	+		
7	SLU con SISMAY PRINC	S.L.U.	somma	1	1.000	+	5	1.000
				2	1.000	+	4	0.300
				3	0.600	+		
				4	0.200	+		

				5	1.000	+			
8	SLD con SISMAX PRINC	S.L.Danno	somma	1	1.000	+	4	0.596
				2	1.000	+	5	0.179
				3	0.600	+		
				4	0.200	+		
				5	1.000	+		
9	SLD con SISMAY PRINC	S.L.Danno	somma	1	1.000	+	5	0.596
				2	1.000	+	4	0.179
				3	0.600	+		
				4	0.200	+		
				5	1.000	+		
10	SLUGeo	SLU_GEO	somma	1	1.000	+		
				2	1.300	+		
				3	1.300	+		
				4	1.300	+		
				5	1.000	+		
11	SLUGeo VENTOX	SLU_GEO	somma	1	1.000	+		
				2	1.300	+		
				3	1.300	+		
				4	1.300	+		
				5	1.000	+		
				6	1.300	±		
12	SLUGeo VENTOY	SLU_GEO	somma	1	1.000	+		
				2	1.300	+		
				3	1.300	+		
				4	1.300	+		
				5	1.000	+		
				7	1.300	±		
13	SLUEqu	SLU_EQU	somma	1	0.900	+		
				2	1.500	+		
				3	1.500	+		
				4	1.500	+		
				5	0.900	+		
14	SLUEqu VENTOX	SLU_EQU	somma	1	0.900	+		
				2	1.500	+		
				3	1.500	+		
				4	1.500	+		
				5	0.900	+		
				6	1.500	±		
15	SLUEqu VENTOY	SLU_EQU	somma	1	0.900	+		
				2	1.500	+		
				3	1.500	+		
				4	1.500	+		
				5	0.900	+		
				7	1.500	±		
16	Rara	Rara	somma	1	1.000	+		
				2	1.000	+		
				3	1.000	+		
				4	1.000	+		
				5	1.000	+		
17	Rara VentoX	Rara	somma	1	1.000	+		
				2	1.000	+		
				3	1.000	+		
				4	1.000	+		
				5	1.000	+		
				6	1.000	±		
18	Rara VentoY	Rara	somma	1	1.000	+		
				2	1.000	+		
				3	1.000	+		
				4	1.000	+		
				5	1.000	+		
				7	1.000	±		
19	Frequente	Freq.	somma	1	1.000	+		
				2	1.000	+		
				3	0.700	+		
				4	0.500	+		
				5	1.000	+		
20	Frequente VentoX	Freq.	somma	1	1.000	+		
				2	1.000	+		
				3	0.700	+		

				4	0.500	+			
				5	1.000	+			
				6	0.200	±			
21	Frequente VentoY	Freq.	somma	1	1.000	+			
				2	1.000	+			
				3	0.700	+			
				4	0.500	+			
				5	1.000	+			
				7	0.200	±			
22	Quasi Perm	QuasiPerm.	somma	1	1.000	+			
				2	1.000	+			
				3	0.600	+			
				4	0.200	+			
				5	1.000	+			
23	valanga	S.L.U.	somma	1	1.000	+			
				2	1.000	+			
				3	0.600	+			
				4	0.200	+			
				8	1.000	±			

VERIFICA GUSCI IN C.A.:



MACROGUSCIO parete01

VERIFICA ARMATURE EFFETTIVE (EFFETTO MEMBRANA + PIASTRA)

CASI DI CARICO: ->

Nome	Descrizione
1	SLU
2	SLU VENTOX
3	SLU VENTOY
6	SLU con SISMAX PRINC
7	SLU con SISMAY PRINC
13	SLUEqu
14	SLUEqu VENTOX
15	SLUEqu VENTOY
23	valanga

DATI:

tensione di snervamento acciaio (fyk)	: 4500	daN/cm2
coefficiente sicurezza acciaio	: 1.15	
deformazione ultima acciaio	: 1.86	per mille
deformazione ultima cls	: 3.5	per mille
rapporto rottura/snervamento (k)	: 1	
resistenza cilindrica cls (fck)	: 249	daN/cm2
coefficiente sicurezza cls	: 1.5	
coefficiente riduttivo (alfa)	: 0.85	
copriferro inferiore (asse armatura)	: 3	cm
copriferro superiore (asse armatura)	: 3	cm
moltiplicatore sollecitazioni	: 1	

LEGENDA:

spess = spessore guscio. Verifica effettuata su sezione BxH, con B=1 cm e H="spess" cm
Af = area disposta al lembo teso, in cm2 al metro
Afc = area disposta al lembo compresso, in cm2 al metro
Mom = momento flettente [daNcm/cm]
Nor = sforzo normale [daN]
epsC = deformazione cls [per mille]
epsF = deformazione acciaio [per mille]

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L'armatura è sufficiente se le deformazioni dei materiali sono ovunque minori delle corrispondenti deformazioni ultime.

Per gli elementi non dissipativi la permanenza in campo elastico è ottenuta limitando la deformazione dell'acciaio alla deformazione di snervamento (1.86 per mille) e quella del calcestruzzo al 2 per mille.

		INFERIORE ORIZZONTALE						INFERIORE VERTICALE						COEF.
GUSCI	spess	Af	Afc	Mom	Nor	epsC	epsF	Af	Afc	Mom	Nor	epsC	epsF	MAX %

61	30	4.52	4.52	0.	86.	0.00	0.45	4.52	4.52	375.	159.	0.00	1.00	53
62	30	4.52	4.52	213.	38.	0.00	0.29	4.52	4.52	565.	55.	0.00	0.55	29
63	30	4.52	4.52	356.	8.	0.01	0.19	4.52	4.52	523.	11.	0.00	0.31	16
64	30	4.52	4.52	65.	45.	0.00	0.26	4.52	4.52	0.	135.	0.00	0.71	38
65	30	4.52	4.52	133.	48.	0.00	0.31	4.52	4.52	10.	79.	0.00	0.42	23
66	30	4.52	4.52	368.	21.	0.00	0.27	4.52	4.52	96.	27.	0.00	0.18	14
67	30	4.52	4.52	169.	21.	0.00	0.18	4.52	4.52	0.	97.	0.00	0.51	28
68	30	4.52	4.52	153.	48.	0.00	0.32	4.52	4.52	0.	71.	0.00	0.37	20
69	30	4.52	4.52	372.	36.	0.00	0.35	4.52	4.52	0.	28.	0.00	0.15	18
70	30	4.52	4.52	164.	18.	0.00	0.16	4.52	4.52	0.	68.	0.00	0.36	19
71	30	4.52	4.52	220.	46.	0.00	0.34	4.52	4.52	0.	59.	0.00	0.31	18
72	30	4.52	4.52	546.	45.	0.00	0.46	4.52	4.52	75.	25.	0.00	0.16	24
73	30	4.52	4.52	148.	17.	0.00	0.15	4.52	4.52	148.	38.	0.00	0.26	14
74	30	4.52	4.52	290.	55.	0.00	0.41	4.52	4.52	214.	48.	0.00	0.34	21
75	30	4.52	4.52	1111.	102.	0.00	1.00	4.52	4.52	379.	42.	0.00	0.38	52
76	30	4.52	4.52	139.	9.	0.00	0.11	4.52	4.52	126.	5.	0.00	0.08	6
77	30	4.52	4.52	326.	44.	0.00	0.37	4.52	4.52	140.	10.	0.00	0.11	19
915	30	4.52	4.52	1358.	138.	0.00	1.30	4.52	4.52	69.	97.	0.00	0.54	68

		SUPERIORE ORIZZONTALE						SUPERIORE VERTICALE						COEF.
GUSCI	spess	Af	Afc	Mom	Nor	epsC	epsF	Af	Afc	Mom	Nor	epsC	epsF	MAX %
61	30	4.52	4.52	31.	86.	0.00	0.46	4.52	4.52	253.	158.	0.00	0.94	50
62	30	4.52	4.52	195.	38.	0.00	0.28	4.52	4.52	210.	70.	0.00	0.45	24
63	30	4.52	4.52	315.	9.	0.01	0.18	4.52	4.52	133.	29.	0.00	0.21	11
64	30	4.52	4.52	72.	45.	0.00	0.26	4.52	4.52	135.	135.	0.00	0.77	41
65	30	4.52	4.52	198.	36.	0.00	0.31	4.52	4.52	138.	79.	0.00	0.48	25
66	30	4.52	4.52	400.	15.	0.00	0.25	4.52	4.52	109.	27.	0.00	0.19	13
67	30	4.52	4.52	115.	21.	0.00	0.16	4.52	4.52	113.	96.	0.00	0.56	30
68	30	4.52	4.52	72.	40.	0.00	0.26	4.52	4.52	126.	71.	0.00	0.43	23
69	30	4.52	4.52	465.	29.	0.00	0.35	4.52	4.52	91.	28.	0.00	0.18	18
70	30	4.52	4.52	96.	13.	0.00	0.12	4.52	4.52	58.	68.	0.00	0.38	20
71	30	4.52	4.52	0.	47.	0.00	0.25	4.52	4.52	54.	59.	0.00	0.33	18
72	30	4.52	4.52	496.	43.	0.00	0.43	4.52	4.52	79.	25.	0.01	0.17	22
73	30	4.52	4.52	51.	14.	0.00	0.10	4.52	4.52	0.	38.	0.00	0.20	11
74	30	4.52	4.52	0.	55.	0.00	0.29	4.52	4.52	0.	48.	0.00	0.26	15
75	30	4.52	4.52	618.	102.	0.00	0.79	4.52	4.52	78.	42.	0.00	0.27	42
76	30	4.52	4.52	0.	11.	0.00	0.06	4.52	4.52	24.	5.	0.00	0.04	3
77	30	4.52	4.52	0.	50.	0.00	0.26	4.52	4.52	108.	4.	0.00	0.08	14
915	30	4.52	4.52	657.	138.	0.00	1.00	4.52	4.52	4.	97.	0.00	0.51	53

L'ARMATURA È OVUNQUE > DELLA QUANTITÀ RICHIESTA: IL PUNTO 2.3 DELLE NTC È VERIFICATO (Rd > Ed)

*** VERIFICHE A TAGLIO SECONDO NTC2018 (cap. 7.4.4.5.1) ***

Vrcd = compressione cls d'anima
Vrsd = trazione armatura trasversale
Vrd,s = scorrimento in zona dissipativa

Quota [cm]	Sezione [cm2]	Af long. [cm2]	Af trasv. [cm2]	Taglio [daN]	Vrcd [daN]	Vrsd [daN]	alfas	Vrd,s [daN]
20.0	7236	21.82	21.82	10859	204246	68316	-	-
60.0	7236	21.82	21.82	11631	204224	68316	-	-
100.0	7236	21.82	21.82	11631	204224	68316	-	-
140.0	7236	21.82	21.82	12432	204201	68316	-	-
180.0	7236	21.82	21.82	12432	204201	68316	-	-
220.0	7236	21.82	21.82	12432	204201	68316	-	-
260.0	7236	21.82	21.82	12614	204219	68316	-	-
300.0	7236	21.82	21.82	12614	204219	68316	-	-
340.0	7236	21.82	21.82	12914	204278	68316	-	-
380.0	7236	21.82	21.82	12914	204278	68316	-	-
420.0	7236	21.82	21.82	12102	204205	68316	-	-
460.0	7236	21.82	21.82	13436	204203	68316	-	-
500.0	5758	17.37	17.37	16508	162519	54360	-	-
540.0	2700	8.14	8.14	6216	76245	25491	-	-

MACROGUSCIO parete02

VERIFICA ARMATURE EFFETTIVE (EFFETTO MEMBRANA + PIASTRA)

CASI DI CARICO: ->

Nome	Descrizione
1	SLU
2	SLU VENTOX
3	SLU VENTOY
6	SLU con SISMAX PRINC
7	SLU con SISMAY PRINC
13	SLUEqu
14	SLUEqu VENTOX
15	SLUEqu VENTOY
23	valanga

DATI:
   tensione di snervamento acciaio (fyk): 4500 daN/cm2
   coefficiente sicurezza acciaio : 1.15
   deformazione ultima acciaio : 1.86 per mille
   deformazione ultima cls : 3.5 per mille
   rapporto rottura/snervamento (k): 1
   resistenza cilindrica cls (fck): 249 daN/cm2
   coefficiente sicurezza cls : 1.5
   coefficiente riduttivo (alfa): 0.85
   copriferro inferiore (asse armatura): 3 cm
   copriferro superiore (asse armatura): 3 cm
   moltiplicatore sollecitazioni : 1

LEGENDA:
   spess = spessore guscio. Verifica effettuata su sezione BxH, con B=1 cm e H="spess" cm
   Af = area disposta al lembo teso, in cm2 al metro
   Afc = area disposta al lembo compresso, in cm2 al metro
   Mom = momento flettente [daNcm/cm]
   Nor = sforzo normale [daN]
   epsC = deformazione cls [per mille]
   epsF = deformazione acciaio [per mille]
<-
   L'armatura è sufficiente se le deformazioni dei materiali sono ovunque minori delle corrispondenti deformazioni ultime.

   Per gli elementi non dissipativi la permanenza in campo elastico è ottenuta limitando la deformazione dell'acciaio alla deformazione di snervamento (1.86 per mille) e quella del calcestruzzo al 2 per mille.

		INFERIORE ORIZZONTALE						INFERIORE VERTICALE						COEF.
GUSCI	spess	Af	Afc	Mom	Nor	epsC	epsF	Af	Afc	Mom	Nor	epsC	epsF	MAX %
636	30	4.52	4.52	294.	36.	0.00	0.31	4.52	4.52	346.	19.	0.00	0.25	16
637	30	4.52	4.52	171.	40.	0.00	0.28	4.52	4.52	458.	44.	0.00	0.42	22
638	30	4.52	4.52	161.	55.	0.00	0.36	4.52	4.52	416.	43.	0.00	0.40	21
639	30	4.52	4.52	130.	60.	0.00	0.37	4.52	4.52	214.	41.	0.00	0.30	20
640	30	4.52	4.52	115.	56.	0.00	0.34	4.52	4.52	0.	38.	0.00	0.20	18
641	30	4.52	4.52	36.	43.	0.00	0.24	4.52	4.52	0.	37.	0.00	0.19	13
642	30	4.52	4.52	41.	23.	0.00	0.14	4.52	4.52	0.	-19.	0.00	0.07	7
643	30	4.52	4.52	300.	28.	0.00	0.27	4.52	4.52	0.	28.	0.00	0.15	14
644	30	4.52	4.52	194.	10.	0.02	0.13	4.52	4.52	128.	29.	0.00	0.20	11
645	30	4.52	4.52	175.	53.	0.00	0.35	4.52	4.52	211.	41.	0.00	0.30	18
646	30	4.52	4.52	194.	65.	0.00	0.42	4.52	4.52	177.	48.	0.00	0.33	22
647	30	4.52	4.52	190.	77.	0.00	0.48	4.52	4.52	173.	53.	0.00	0.35	26
648	30	4.52	4.52	186.	69.	0.00	0.44	4.52	4.52	111.	56.	0.00	0.34	23
649	30	4.52	4.52	220.	39.	0.00	0.30	4.52	4.52	60.	13.	0.01	0.09	16
650	30	4.52	4.52	366.	20.	0.03	0.26	4.52	4.52	0.	22.	0.00	0.12	13
651	30	4.52	4.52	229.	8.	0.02	0.14	4.52	4.52	86.	18.	0.01	0.13	7
652	30	4.52	4.52	152.	50.	0.00	0.32	4.52	4.52	226.	31.	0.00	0.26	17
653	30	4.52	4.52	202.	73.	0.00	0.47	4.52	4.52	282.	46.	0.00	0.36	25
654	30	4.52	4.52	194.	93.	0.00	0.57	4.52	4.52	294.	65.	0.00	0.46	30
655	30	4.52	4.52	190.	107.	0.00	0.65	4.52	4.52	265.	76.	0.00	0.51	34
656	30	4.52	4.52	175.	84.	0.00	0.51	4.52	4.52	449.	54.	0.00	0.50	27
657	30	4.52	4.52	435.	2.	0.04	0.19	4.52	4.52	476.	-4.	0.05	0.20	10
658	30	4.52	4.52	525.	1.	0.05	0.23	4.52	4.52	419.	-9.	0.04	0.17	12
659	30	4.52	4.52	107.	48.	0.00	0.30	4.52	4.52	280.	18.	0.01	0.21	16
660	30	4.52	4.52	174.	74.	0.00	0.46	4.52	4.52	337.	30.	0.00	0.30	25
661	30	4.52	4.52	179.	97.	0.00	0.59	4.52	4.52	365.	38.	0.00	0.35	31
662	30	4.52	4.52	152.	121.	0.00	0.70	4.52	4.52	580.	50.	0.00	0.56	37
663	30	4.52	4.52	102.	141.	0.00	0.80	4.52	4.52	720.	102.	0.00	0.99	53
664	30	4.52	4.52	1301.	-1.	0.13	0.54	4.52	4.52	1054.	29.	0.00	0.59	30
665	30	4.52	4.52	657.	-1.	0.06	0.28	4.52	4.52	699.	18.	0.05	0.39	20
666	30	4.52	4.52	101.	36.	0.00	0.24	4.52	4.52	554.	-2.	0.05	0.23	13
667	30	4.52	4.52	120.	60.	0.00	0.37	4.52	4.52	418.	16.	0.01	0.26	20
668	30	4.52	4.52	134.	82.	0.00	0.49	4.52	4.52	521.	31.	0.00	0.38	26
669	30	4.52	4.52	123.	105.	0.00	0.60	4.52	4.52	602.	48.	0.00	0.50	32
670	30	4.52	4.52	0.	149.	0.00	0.78	4.52	4.52	832.	116.	0.00	0.96	50
672	30	4.52	4.52	782.	15.	0.01	0.41	4.52	4.52	1205.	21.	0.04	0.61	31
673	30	4.52	4.52	121.	26.	0.00	0.18	4.52	4.52	734.	9.	0.06	0.35	18
675	30	4.52	4.52	122.	50.	0.00	0.32	4.52	4.52	561.	26.	0.00	0.37	19
676	30	4.52	4.52	131.	57.	0.00	0.35	4.52	4.52	633.	51.	0.00	0.54	28
677	30	4.52	4.52	148.	48.	0.00	0.31	4.52	4.52	631.	67.	0.00	0.62	32
678	30	4.52	4.52	61.	155.	0.00	0.84	4.52	4.52	0.	247.	0.00	1.30	70
679	30	4.52	4.52	290.	9.	0.00	0.27	4.52	4.52	234.	-38.	0.03	0.08	15
680	30	4.52	4.52	214.	14.	0.00	0.19	4.52	4.52	0.	108.	0.00	0.57	31
681	30	4.52	4.52	867.	125.	0.00	1.02	14.66	14.66	375.	452.	0.00	0.78	54
682	30	10.47	10.47	2827.	191.	0.00	0.95	4.52	4.52	0.	247.	0.00	1.30	70
684	30	4.52	4.52	1056.	182.	0.00	1.42	4.52	4.52	665.	108.	0.00	1.00	75
901	30	4.52	4.52	2151.	-5.	0.21	0.89	4.52	4.52	2466.	44.	0.15	1.26	65
907	30	10.47	10.47	4478.	258.	0.04	1.41	4.52	4.52	1068.	88.	0.00	0.91	73
916	30	4.52	4.52	45.	33.	0.00	0.19	4.52	4.52	582.	4.	0.04	0.26	13
917	30	4.52	4.52	95.	39.	0.00	0.25	4.52	4.52	557.	4.	0.04	0.25	13
918	30	4.52	4.52	62.	26.	0.00	0.16	4.52	4.52	524.	10.	0.01	0.27	14
919	30	4.52	4.52	112.	62.	0.00	0.37	4.52	4.52	732.	65.	0.00	0.65	34
920	30	4.52	4.52	497.	137.	0.00	0.93	4.52	4.52	819.	91.	0.00	0.82	49

921	30	4.52	4.52	415.	50.	0.00	0.44	4.52	4.52	834.	91.	0.00	0.83	43

		SUPERIORE ORIZZONTALE						SUPERIORE VERTICALE						COEF.
GUSCI	spess	Af	Afc	Mom	Nor	epsC	epsF	Af	Afc	Mom	Nor	epsC	epsF	MAX %
636	30	4.52	4.52	10.	36.	0.00	0.19	4.52	4.52	337.	22.	0.00	0.26	13
637	30	4.52	4.52	0.	40.	0.00	0.21	4.52	4.52	359.	44.	0.00	0.38	20
638	30	4.52	4.52	34.	56.	0.00	0.31	4.52	4.52	523.	43.	0.00	0.45	23
639	30	4.52	4.52	106.	61.	0.00	0.37	4.52	4.52	661.	40.	0.00	0.49	25
640	30	4.52	4.52	164.	55.	0.00	0.36	4.52	4.52	818.	36.	0.00	0.53	27
641	30	4.52	4.52	209.	43.	0.00	0.32	4.52	4.52	966.	29.	0.00	0.55	29
642	30	4.52	4.52	144.	23.	0.00	0.18	4.52	4.52	1042.	-15.	0.11	0.43	22
643	30	4.52	4.52	265.	24.	0.00	0.24	4.52	4.52	101.	28.	0.00	0.19	12
644	30	4.52	4.52	177.	10.	0.01	0.13	4.52	4.52	250.	24.	0.00	0.23	12
645	30	4.52	4.52	168.	50.	0.00	0.34	4.52	4.52	265.	37.	0.00	0.30	18
646	30	4.52	4.52	188.	65.	0.00	0.42	4.52	4.52	233.	48.	0.00	0.35	22
647	30	4.52	4.52	232.	77.	0.00	0.50	4.52	4.52	319.	55.	0.00	0.42	26
648	30	4.52	4.52	274.	69.	0.00	0.48	4.52	4.52	348.	56.	0.00	0.44	25
649	30	4.52	4.52	267.	39.	0.00	0.32	4.52	4.52	539.	-14.	0.06	0.27	17
650	30	4.52	4.52	512.	11.	0.05	0.27	4.52	4.52	237.	16.	0.00	0.20	14
651	30	4.52	4.52	334.	-5.	0.03	0.15	4.52	4.52	163.	18.	0.01	0.16	8
652	30	4.52	4.52	238.	49.	0.00	0.36	4.52	4.52	143.	31.	0.00	0.22	19
653	30	4.52	4.52	204.	73.	0.00	0.47	4.52	4.52	151.	46.	0.00	0.31	25
654	30	4.52	4.52	232.	90.	0.00	0.57	4.52	4.52	179.	65.	0.00	0.42	30
655	30	4.52	4.52	235.	107.	0.00	0.66	4.52	4.52	323.	75.	0.00	0.53	35
656	30	4.52	4.52	308.	84.	0.00	0.57	4.52	4.52	419.	74.	0.00	0.57	30
657	30	4.52	4.52	826.	10.	0.07	0.40	4.52	4.52	399.	-9.	0.04	0.17	20
658	30	4.52	4.52	634.	1.	0.06	0.27	4.52	4.52	437.	-9.	0.05	0.18	14
659	30	4.52	4.52	282.	48.	0.00	0.37	4.52	4.52	332.	18.	0.02	0.23	19
660	30	4.52	4.52	181.	74.	0.00	0.47	4.52	4.52	327.	27.	0.00	0.29	25
661	30	4.52	4.52	152.	97.	0.00	0.58	4.52	4.52	321.	37.	0.00	0.33	31
662	30	4.52	4.52	202.	121.	0.00	0.72	4.52	4.52	435.	71.	0.00	0.56	38
663	30	4.52	4.52	411.	152.	0.00	0.97	4.52	4.52	494.	176.	0.00	1.14	60
664	30	4.52	4.52	1768.	-1.	0.17	0.74	4.52	4.52	886.	25.	0.00	0.50	38
665	30	4.52	4.52	799.	1.	0.08	0.35	4.52	4.52	565.	12.	0.03	0.30	18
666	30	4.52	4.52	214.	41.	0.00	0.31	4.52	4.52	399.	-2.	0.04	0.17	16
667	30	4.52	4.52	46.	60.	0.00	0.34	4.52	4.52	318.	16.	0.00	0.22	18
668	30	4.52	4.52	15.	82.	0.00	0.44	4.52	4.52	387.	31.	0.00	0.32	24
669	30	4.52	4.52	100.	105.	0.00	0.59	4.52	4.52	418.	38.	0.00	0.40	32
670	30	4.52	4.52	385.	149.	0.00	0.95	4.52	4.52	266.	78.	0.00	0.62	50
672	30	4.52	4.52	788.	15.	0.01	0.41	4.52	4.52	1010.	20.	0.02	0.53	27
673	30	4.52	4.52	114.	27.	0.00	0.19	4.52	4.52	505.	9.	0.03	0.26	13
675	30	4.52	4.52	0.	52.	0.00	0.27	4.52	4.52	324.	26.	0.00	0.27	15
676	30	4.52	4.52	158.	41.	0.00	0.32	4.52	4.52	605.	51.	0.00	0.52	27
677	30	4.52	4.52	276.	48.	0.00	0.37	4.52	4.52	837.	55.	0.00	0.68	35
678	30	4.52	4.52	214.	155.	0.01	0.91	4.52	4.52	880.	247.	0.00	1.69	89
679	30	4.52	4.52	124.	52.	0.00	0.32	4.52	4.52	863.	-9.	0.09	0.35	18
680	30	4.52	4.52	85.	25.	0.00	0.17	4.52	4.52	474.	108.	0.00	0.77	41
681	30	4.52	4.52	610.	125.	0.00	0.91	14.66	14.66	0.	452.	0.00	0.73	48
682	30	10.47	10.47	2952.	191.	0.00	0.98	4.52	4.52	526.	247.	0.00	1.53	82
684	30	4.52	4.52	301.	235.	0.00	1.37	4.52	4.52	293.	190.	0.00	1.13	73
901	30	4.52	4.52	2634.	-5.	0.26	1.09	4.52	4.52	2074.	44.	0.09	1.10	56
907	30	10.47	10.47	4395.	258.	0.03	1.40	4.52	4.52	1029.	73.	0.00	0.82	72
916	30	4.52	4.52	2.	33.	0.00	0.17	4.52	4.52	339.	4.	0.02	0.16	9
917	30	4.52	4.52	0.	39.	0.00	0.21	4.52	4.52	339.	4.	0.01	0.16	11
918	30	4.52	4.52	41.	26.	0.00	0.16	4.52	4.52	292.	10.	0.00	0.17	9
919	30	4.52	4.52	0.	62.	0.00	0.32	4.52	4.52	912.	65.	0.00	0.72	37
920	30	4.52	4.52	0.	137.	0.00	0.72	4.52	4.52	965.	91.	0.00	0.89	46
921	30	4.52	4.52	103.	50.	0.00	0.31	4.52	4.52	801.	91.	0.00	0.82	43

L'ARMATURA È OVUNQUE > DELLA QUANTITÀ RICHIESTA: IL PUNTO 2.3 DELLE NTC È VERIFICATO (Rd > Ed)

*** VERIFICHE A TAGLIO SECONDO NTC2018 (cap. 7.4.4.5.1) ***

Vrcd = compressione cls d'anima
Vrsd = trazione armatura trasversale
Vrd,s = scorrimento in zona dissipativa

Quota [cm]	Sezione [cm2]	Af long. [cm2]	Af trasv. [cm2]	Taglio [daN]	Vrcd [daN]	Vrsd [daN]	alfas	Vrd,s [daN]
20.0	19451	58.66	58.66	55705	548995	183638	-	-
60.0	19451	58.66	58.66	50878	548965	183638	-	-
100.0	19451	58.66	58.66	50878	548965	183638	-	-
140.0	19451	58.66	58.66	45877	549193	183638	-	-
180.0	19451	58.66	58.66	45877	549193	183638	-	-
220.0	19451	58.66	58.66	45877	549193	183638	-	-
260.0	19451	66.88	58.66	47013	550113	183638	-	-
300.0	19451	75.10	58.66	47013	550113	183638	-	-
340.0	19451	66.40	63.20	42023	549646	197843	-	-
380.0	23651	71.33	81.75	51097	668323	255914	-	-
420.0	23651	71.33	86.96	26162	667505	272226	-	-
460.0	23651	71.33	75.80	28135	667501	237271	-	-
500.0	20979	63.27	69.67	31343	592248	218094	-	-
520.5	688	2.08	3.44	960	19431	10771	-	-

MACROGUSCIO parete03

VERIFICA ARMATURE EFFETTIVE (EFFETTO MEMBRANA + PIASTRA)

CASI DI CARICO: ->

Nome	Descrizione
1	SLU
2	SLU VENTOX
3	SLU VENTOY
6	SLU con SISMAX PRINC
7	SLU con SISMAY PRINC
13	SLUEqu
14	SLUEqu VENTOX
15	SLUEqu VENTOY
23	valanga

DATI:

tensione di snervamento acciaio (fyk)	: 4500	daN/cm2
coefficiente sicurezza acciaio	: 1.15	
deformazione ultima acciaio	: 1.86	per mille
deformazione ultima cls	: 3.5	per mille
rapporto rottura/snervamento (k)	: 1	
resistenza cilindrica cls (fck)	: 249	daN/cm2
coefficiente sicurezza cls	: 1.5	
coefficiente riduttivo (alfa)	: 0.85	
copriferro inferiore (asse armatura)	: 3	cm
copriferro superiore (asse armatura)	: 3	cm
moltiplicatore sollecitazioni	: 1	

LEGENDA:

spess = spessore guscio. Verifica effettuata su sezione BxH, con B=1 cm e H="spess" cm
Af = area disposta al lembo teso, in cm2 al metro
Afc = area disposta al lembo compresso, in cm2 al metro
Mom = momento flettente [daNcm/cm]
Nor = sforzo normale [daN]
epsC = deformazione cls [per mille]
epsF = deformazione acciaio [per mille]
<-

L'armatura è sufficiente se le deformazioni dei materiali sono ovunque minori delle corrispondenti deformazioni ultime.

Per gli elementi non dissipativi la permanenza in campo elastico è ottenuta limitando la deformazione dell'acciaio alla deformazione di snervamento (1.86 per mille) e quella del calcestruzzo al 2 per mille.

		INFERIORE ORIZZONTALE						INFERIORE VERTICALE						COEF.
GUSCI	spess	Af	Afc	Mom	Nor	epsC	epsF	Af	Afc	Mom	Nor	epsC	epsF	MAX %
537	30	7.70	7.70	430.	74.	0.00	0.34	7.70	7.70	2651.	39.	0.13	0.78	40
538	30	7.70	7.70	591.	103.	0.00	0.47	7.70	7.70	3290.	107.	0.08	1.15	59
539	30	7.70	7.70	185.	96.	0.01	0.34	7.70	7.70	3593.	78.	0.16	1.14	59
540	30	7.70	7.70	213.	56.	0.01	0.23	7.70	7.70	2666.	51.	0.19	0.82	42
541	30	7.70	7.70	220.	26.	0.00	0.14	7.70	7.70	996.	-41.	0.08	0.31	16
542	30	7.70	7.70	41.	103.	0.00	0.33	7.70	7.70	750.	47.	0.00	0.33	18
543	30	7.70	7.70	0.	108.	0.00	0.33	7.70	7.70	628.	58.	0.00	0.34	18
544	30	7.70	7.70	77.	21.	0.00	0.10	7.70	7.70	540.	59.	0.00	0.32	16
545	30	7.70	7.70	99.	91.	0.00	0.31	7.70	7.70	481.	67.	0.00	0.33	17
546	30	7.70	7.70	73.	22.	0.00	0.09	7.70	7.70	442.	67.	0.00	0.32	16
547	30	7.70	7.70	0.	66.	0.00	0.21	7.70	7.70	404.	62.	0.00	0.29	15
548	30	7.70	7.70	216.	61.	0.00	0.24	7.70	7.70	225.	14.	0.01	0.10	13
549	30	7.70	7.70	319.	101.	0.00	0.39	7.70	7.70	263.	72.	0.00	0.29	20
550	30	7.70	7.70	182.	129.	0.00	0.44	7.70	7.70	578.	97.	0.00	0.44	24
551	30	7.70	7.70	331.	187.	0.00	0.69	7.70	7.70	0.	155.	0.00	0.48	37
552	30	7.70	7.70	480.	238.	0.00	0.86	7.70	7.70	0.	223.	0.00	0.69	45
553	30	7.70	7.70	1117.	154.	0.00	0.75	7.70	7.70	1807.	82.	0.00	0.70	39
554	30	7.70	7.70	2650.	109.	0.00	1.00	7.70	7.70	936.	40.	0.00	0.36	51
555	30	7.70	7.70	174.	127.	0.00	0.49	7.70	7.70	1104.	102.	0.00	0.59	30
556	30	7.70	7.70	0.	216.	0.00	0.67	7.70	7.70	0.	128.	0.00	0.40	36
557	30	7.70	7.70	0.	233.	0.00	0.72	7.70	7.70	0.	84.	0.00	0.26	39
558	30	7.70	7.70	0.	180.	0.00	0.56	7.70	7.70	2206.	66.	0.04	0.75	38
559	30	7.70	7.70	1172.	172.	0.00	0.82	7.70	7.70	566.	97.	0.00	0.44	43
560	30	7.70	7.70	118.	157.	0.00	0.52	7.70	7.70	929.	78.	0.00	0.47	28
561	30	7.70	7.70	0.	194.	0.00	0.60	7.70	7.70	0.	114.	0.00	0.35	32
562	30	7.70	7.70	0.	206.	0.00	0.64	7.70	7.70	0.	105.	0.00	0.33	34
563	30	7.70	7.70	427.	167.	0.00	0.62	7.70	7.70	2170.	27.	0.11	0.65	33
564	30	7.70	7.70	595.	214.	0.00	0.81	7.70	7.70	713.	103.	0.00	0.49	43
565	30	7.70	7.70	148.	156.	0.00	0.52	7.70	7.70	430.	80.	0.00	0.35	28
566	30	7.70	7.70	0.	189.	0.00	0.59	7.70	7.70	0.	103.	0.00	0.32	31
567	30	7.70	7.70	0.	202.	0.00	0.62	7.70	7.70	0.	108.	0.00	0.33	34
568	30	7.70	7.70	339.	187.	0.00	0.66	7.70	7.70	1571.	23.	0.12	0.46	35
569	30	7.70	7.70	453.	226.	0.00	0.81	7.70	7.70	847.	75.	0.00	0.47	43
570	30	7.70	7.70	0.	163.	0.00	0.50	7.70	7.70	264.	69.	0.00	0.28	27
571	30	7.70	7.70	0.	198.	0.00	0.61	7.70	7.70	0.	92.	0.00	0.28	33
572	30	7.70	7.70	0.	210.	0.00	0.65	7.70	7.70	0.	101.	0.00	0.31	35
573	30	7.70	7.70	266.	196.	0.00	0.67	7.70	7.70	1173.	63.	0.00	0.49	36

574	30	7.70	7.70	453.	220.	0.00	0.79	7.70	7.70	922.	61.	0.00	0.42	42
575	30	7.70	7.70	0.	168.	0.00	0.52	7.70	7.70	165.	65.	0.00	0.24	28
576	30	7.70	7.70	0.	197.	0.00	0.61	7.70	7.70	0.	82.	0.00	0.25	33
577	30	7.70	7.70	0.	207.	0.00	0.64	7.70	7.70	0.	85.	0.00	0.26	34
578	30	7.70	7.70	418.	188.	0.00	0.69	7.70	7.70	1568.	48.	0.00	0.54	36
579	30	7.70	7.70	659.	207.	0.00	0.81	7.70	7.70	1072.	46.	0.00	0.41	42
580	30	7.70	7.70	0.	167.	0.00	0.52	7.70	7.70	135.	68.	0.00	0.24	28
581	30	7.70	7.70	0.	197.	0.00	0.61	7.70	7.70	0.	77.	0.00	0.24	33
582	30	7.70	7.70	91.	204.	0.00	0.65	7.70	7.70	0.	79.	0.00	0.24	35
583	30	7.70	7.70	691.	188.	0.00	0.76	7.70	7.70	2144.	47.	0.06	0.68	40
584	30	7.70	7.70	1029.	201.	0.00	0.88	7.70	7.70	1294.	40.	0.01	0.45	46
585	30	7.70	7.70	0.	158.	0.00	0.49	7.70	7.70	206.	66.	0.00	0.26	26
586	30	7.70	7.70	0.	186.	0.00	0.58	7.70	7.70	199.	67.	0.00	0.26	31
587	30	7.70	7.70	243.	191.	0.00	0.65	7.70	7.70	314.	59.	0.00	0.26	35
588	30	7.70	7.70	955.	178.	0.00	0.79	7.70	7.70	2782.	41.	0.13	0.82	42
589	30	7.70	7.70	1189.	193.	0.00	0.90	7.70	7.70	1615.	36.	0.04	0.51	47
590	30	7.70	7.70	87.	144.	0.00	0.47	7.70	7.70	240.	63.	0.00	0.26	25
591	30	7.70	7.70	79.	159.	0.00	0.53	7.70	7.70	381.	61.	0.00	0.28	28
592	30	7.70	7.70	421.	179.	0.00	0.66	7.70	7.70	971.	52.	0.00	0.40	35
593	30	7.70	7.70	798.	177.	0.00	0.75	7.70	7.70	3228.	25.	0.20	0.88	45
594	30	7.70	7.70	958.	189.	0.00	0.82	7.70	7.70	1909.	24.	0.09	0.55	43
595	30	7.70	7.70	146.	126.	0.00	0.43	7.70	7.70	251.	63.	0.00	0.26	23
596	30	7.70	7.70	65.	146.	0.00	0.47	7.70	7.70	545.	54.	0.00	0.30	25
597	30	7.70	7.70	69.	170.	0.00	0.54	7.70	7.70	1321.	38.	0.02	0.45	29
598	30	7.70	7.70	0.	182.	0.00	0.56	7.70	7.70	3143.	4.	0.23	0.80	41
599	30	7.70	7.70	0.	228.	0.00	0.71	7.70	7.70	1756.	-26.	0.14	0.42	38
600	30	7.70	7.70	211.	105.	0.00	0.38	7.70	7.70	333.	57.	0.00	0.26	20
601	30	7.70	7.70	511.	92.	0.00	0.41	7.70	7.70	478.	52.	0.00	0.28	21
602	30	7.70	7.70	566.	91.	0.00	0.42	7.70	7.70	1613.	25.	0.06	0.48	24
603	30	7.70	7.70	698.	27.	0.00	0.32	7.70	7.70	3100.	-8.	0.24	0.76	39
604	30	7.70	7.70	0.	187.	0.00	0.58	7.70	7.70	2424.	-37.	0.19	0.58	31
605	30	7.70	7.70	113.	82.	0.00	0.28	7.70	7.70	124.	-3.	0.01	0.03	15
606	30	7.70	7.70	1004.	92.	0.00	0.53	7.70	7.70	170.	28.	0.01	0.13	27
607	30	7.70	7.70	1362.	76.	0.00	0.57	7.70	7.70	1183.	-9.	0.09	0.37	29
608	30	7.70	7.70	732.	104.	0.00	0.50	7.70	7.70	2684.	-8.	0.21	0.66	34
609	30	7.70	7.70	827.	203.	0.00	0.83	7.70	7.70	2258.	28.	0.17	0.65	44
610	30	7.70	7.70	348.	89.	0.00	0.36	7.70	7.70	0.	-40.	0.01	-0.01	19
611	30	7.70	7.70	343.	72.	0.00	0.31	7.70	7.70	326.	118.	0.00	0.44	23
612	30	7.70	7.70	925.	43.	0.00	0.39	7.70	7.70	928.	147.	0.00	0.70	37
613	30	7.70	7.70	2538.	158.	0.00	1.12	7.70	7.70	1414.	9.	0.09	0.38	58
615	30	15.41	15.41	4495.	317.	0.01	1.06	7.70	7.70	1380.	72.	0.00	0.57	54
616	30	15.41	15.41	3014.	160.	0.00	0.63	7.70	7.70	721.	156.	0.00	0.66	35
617	30	7.70	7.70	770.	303.	0.00	1.13	7.70	7.70	760.	134.	0.00	0.60	60
618	30	7.70	7.70	485.	263.	0.00	0.94	7.70	7.70	725.	87.	0.00	0.45	50
619	30	7.70	7.70	579.	236.	0.00	0.87	7.70	7.70	669.	50.	0.00	0.32	46
620	30	7.70	7.70	803.	215.	0.00	0.87	7.70	7.70	626.	36.	0.00	0.27	46
736	30	7.70	7.70	1154.	208.	0.00	0.94	7.70	7.70	682.	33.	0.00	0.27	49
738	30	7.70	7.70	1290.	208.	0.00	0.97	7.70	7.70	638.	22.	0.03	0.23	50
740	30	7.70	7.70	1026.	194.	0.00	0.86	7.70	7.70	671.	-4.	0.05	0.21	45
746	30	7.70	7.70	1100.	214.	0.00	0.94	7.70	7.70	1996.	15.	0.12	0.55	49
748	30	15.41	15.41	6521.	-38.	0.36	0.90	7.70	7.70	1828.	37.	0.05	0.76	46
750	30	7.70	7.70	1037.	343.	0.00	1.33	7.70	7.70	742.	115.	0.00	0.54	70
752	30	7.70	7.70	496.	279.	0.00	0.99	7.70	7.70	579.	50.	0.00	0.30	52
754	30	7.70	7.70	617.	242.	0.00	0.90	7.70	7.70	473.	38.	0.00	0.23	48
756	30	7.70	7.70	695.	225.	0.00	0.87	7.70	7.70	332.	10.	0.00	0.11	46
764	30	15.41	15.41	6687.	561.	0.06	1.72	7.70	7.70	3627.	128.	0.11	1.30	90
882	30	7.70	7.70	0.	240.	0.00	0.74	7.70	7.70	663.	-5.	0.05	0.16	40
883	30	7.70	7.70	0.	195.	0.00	0.60	7.70	7.70	1941.	-6.	0.15	0.48	32
911	30	7.70	7.70	3163.	282.	0.00	1.67	7.70	7.70	2249.	37.	0.09	0.68	87

		SUPERIORE ORIZZONTALE						SUPERIORE VERTICALE						COEF.
GUSCI	spess	Af	Afc	Mom	Nor	epsC	epsF	Af	Afc	Mom	Nor	epsC	epsF	MAX %
537	30	7.70	7.70	0.	85.	0.00	0.26	7.70	7.70	0.	54.	0.00	0.17	14
538	30	7.70	7.70	0.	116.	0.00	0.36	7.70	7.70	0.	116.	0.00	0.36	19
539	30	7.70	7.70	0.	96.	0.00	0.30	7.70	7.70	0.	115.	0.00	0.36	19
540	30	7.70	7.70	0.	56.	0.00	0.17	7.70	7.70	570.	-10.	0.05	0.16	9
541	30	7.70	7.70	233.	20.	0.00	0.13	7.70	7.70	925.	-32.	0.08	0.25	13
542	30	7.70	7.70	212.	103.	0.00	0.37	7.70	7.70	909.	47.	0.02	0.37	20
543	30	7.70	7.70	215.	101.	0.00	0.38	7.70	7.70	578.	58.	0.00	0.32	20
544	30	7.70	7.70	207.	34.	0.00	0.16	7.70	7.70	879.	60.	0.00	0.40	21
545	30	7.70	7.70	255.	91.	0.02	0.35	7.70	7.70	1028.	67.	0.00	0.46	24
546	30	7.70	7.70	195.	30.	0.01	0.14	7.70	7.70	1103.	67.	0.00	0.48	25
547	30	7.70	7.70	119.	66.	0.01	0.24	7.70	7.70	1152.	60.	0.00	0.47	24
548	30	7.70	7.70	116.	70.	0.01	0.25	7.70	7.70	1079.	17.	0.08	0.32	16
549	30	7.70	7.70	320.	101.	0.00	0.39	7.70	7.70	856.	72.	0.08	0.44	22
550	30	7.70	7.70	0.	129.	0.00	0.40	7.70	7.70	0.	97.	0.00	0.30	21
551	30	7.70	7.70	170.	184.	0.00	0.66	7.70	7.70	369.	150.	0.00	0.55	36
552	30	7.70	7.70	254.	253.	0.00	0.85	7.70	7.70	2160.	140.	0.00	1.09	57
553	30	7.70	7.70	95.	209.	0.00	0.67	7.70	7.70	1385.	82.	0.00	0.60	36
554	30	7.70	7.70	3098.	109.	0.06	1.11	7.70	7.70	1008.	91.	0.00	0.53	57
555	30	7.70	7.70	83.	160.	0.00	0.51	7.70	7.70	0.	105.	0.00	0.32	28
556	30	7.70	7.70	341.	216.	0.00	0.75	7.70	7.70	548.	121.	0.00	0.51	40
557	30	7.70	7.70	429.	233.	0.00	0.83	7.70	7.70	2250.	-18.	0.18	0.64	44
558	30	7.70	7.70	384.	180.	0.00	0.65	7.70	7.70	972.	66.	0.00	0.45	34

559	30	7.70	7.70	0.	172.	0.00	0.53	7.70	7.70	0.	108.	0.00	0.33	29
560	30	7.70	7.70	125.	157.	0.00	0.52	7.70	7.70	41.	102.	0.00	0.32	28
561	30	7.70	7.70	223.	194.	0.00	0.66	7.70	7.70	653.	108.	0.00	0.50	35
562	30	7.70	7.70	325.	191.	0.00	0.69	7.70	7.70	2363.	84.	0.01	0.85	43
563	30	7.70	7.70	366.	182.	0.00	0.65	7.70	7.70	769.	44.	0.00	0.33	35
564	30	7.70	7.70	392.	195.	0.00	0.73	7.70	7.70	378.	103.	0.00	0.41	39
565	30	7.70	7.70	142.	156.	0.00	0.52	7.70	7.70	263.	93.	0.00	0.35	28
566	30	7.70	7.70	124.	189.	0.00	0.62	7.70	7.70	595.	103.	0.00	0.47	33
567	30	7.70	7.70	173.	194.	0.00	0.65	7.70	7.70	1383.	105.	0.00	0.67	35
568	30	7.70	7.70	350.	191.	0.00	0.68	7.70	7.70	373.	23.	0.01	0.22	36
569	30	7.70	7.70	491.	226.	0.00	0.82	7.70	7.70	367.	89.	0.00	0.37	44
570	30	7.70	7.70	214.	163.	0.00	0.56	7.70	7.70	347.	79.	0.00	0.33	30
571	30	7.70	7.70	193.	198.	0.00	0.66	7.70	7.70	588.	89.	0.00	0.42	35
572	30	7.70	7.70	182.	210.	0.00	0.70	7.70	7.70	1572.	97.	0.00	0.69	37
573	30	7.70	7.70	264.	202.	0.00	0.69	7.70	7.70	0.	63.	0.00	0.19	37
574	30	7.70	7.70	400.	220.	0.00	0.78	7.70	7.70	188.	64.	0.00	0.24	41
575	30	7.70	7.70	230.	168.	0.00	0.58	7.70	7.70	434.	75.	0.00	0.34	31
576	30	7.70	7.70	195.	197.	0.00	0.66	7.70	7.70	902.	80.	0.00	0.47	35
577	30	7.70	7.70	189.	207.	0.00	0.69	7.70	7.70	1828.	82.	0.00	0.71	37
578	30	7.70	7.70	208.	195.	0.00	0.65	7.70	7.70	0.	56.	0.00	0.17	35
579	30	7.70	7.70	303.	205.	0.00	0.71	7.70	7.70	140.	43.	0.00	0.17	38
580	30	7.70	7.70	201.	167.	0.00	0.57	7.70	7.70	513.	75.	0.00	0.36	30
581	30	7.70	7.70	210.	197.	0.00	0.66	7.70	7.70	1357.	75.	0.00	0.57	35
582	30	7.70	7.70	241.	208.	0.00	0.70	7.70	7.70	2048.	75.	0.00	0.74	38
583	30	7.70	7.70	149.	202.	0.00	0.66	7.70	7.70	749.	47.	0.00	0.33	35
584	30	7.70	7.70	239.	199.	0.00	0.68	7.70	7.70	266.	36.	0.00	0.18	36
585	30	7.70	7.70	233.	158.	0.00	0.55	7.70	7.70	704.	70.	0.00	0.39	29
586	30	7.70	7.70	201.	186.	0.00	0.63	7.70	7.70	1544.	68.	0.00	0.60	33
587	30	7.70	7.70	301.	196.	0.00	0.68	7.70	7.70	2363.	59.	0.06	0.77	39
588	30	7.70	7.70	219.	189.	0.00	0.64	7.70	7.70	1314.	41.	0.00	0.45	34
589	30	7.70	7.70	628.	185.	0.00	0.73	7.70	7.70	460.	31.	0.00	0.21	38
590	30	7.70	7.70	192.	140.	0.00	0.49	7.70	7.70	787.	65.	0.00	0.40	26
591	30	7.70	7.70	143.	166.	0.00	0.55	7.70	7.70	1677.	61.	0.00	0.61	31
592	30	7.70	7.70	296.	183.	0.00	0.64	7.70	7.70	2691.	50.	0.11	0.83	42
593	30	7.70	7.70	543.	177.	0.00	0.68	7.70	7.70	1785.	25.	0.09	0.52	36
594	30	7.70	7.70	1422.	186.	0.00	0.93	7.70	7.70	612.	24.	0.00	0.23	48
595	30	7.70	7.70	188.	126.	0.00	0.44	7.70	7.70	772.	60.	0.00	0.38	23
596	30	7.70	7.70	187.	146.	0.00	0.50	7.70	7.70	1669.	54.	0.00	0.58	30
597	30	7.70	7.70	117.	163.	0.00	0.53	7.70	7.70	2970.	38.	0.16	0.86	44
598	30	7.70	7.70	651.	171.	0.00	0.69	7.70	7.70	2457.	-4.	0.19	0.61	36
599	30	7.70	7.70	2996.	228.	0.00	1.46	7.70	7.70	981.	-33.	0.08	0.23	76
600	30	7.70	7.70	291.	105.	0.01	0.40	7.70	7.70	971.	38.	0.00	0.38	21
601	30	7.70	7.70	609.	92.	0.00	0.44	7.70	7.70	1387.	52.	0.03	0.51	26
602	30	7.70	7.70	1124.	35.	0.03	0.45	7.70	7.70	2960.	25.	0.18	0.82	42
603	30	7.70	7.70	2161.	69.	0.03	0.80	7.70	7.70	2736.	-8.	0.21	0.67	41
604	30	7.70	7.70	2604.	187.	0.00	1.23	7.70	7.70	2141.	-16.	0.17	0.52	64
605	30	7.70	7.70	451.	82.	0.02	0.36	7.70	7.70	960.	-19.	0.08	0.24	19
606	30	7.70	7.70	748.	106.	0.00	0.51	7.70	7.70	1055.	28.	0.08	0.35	27
607	30	7.70	7.70	1286.	76.	0.00	0.55	7.70	7.70	2235.	-9.	0.17	0.55	28
608	30	7.70	7.70	1798.	104.	0.00	0.78	7.70	7.70	2621.	-8.	0.20	0.65	40
609	30	7.70	7.70	1768.	165.	0.00	0.96	7.70	7.70	2486.	28.	0.16	0.71	50
610	30	7.70	7.70	131.	89.	0.00	0.31	7.70	7.70	934.	-40.	0.08	0.23	16
611	30	7.70	7.70	733.	72.	0.00	0.41	7.70	7.70	672.	118.	0.00	0.53	28
612	30	7.70	7.70	1253.	43.	0.03	0.48	7.70	7.70	821.	147.	0.00	0.66	34
613	30	7.70	7.70	2075.	113.	0.00	0.87	7.70	7.70	2068.	56.	0.13	0.69	44
615	30	15.41	15.41	3616.	317.	0.05	0.94	7.70	7.70	1802.	72.	0.00	0.78	48
616	30	15.41	15.41	0.	335.	0.00	0.52	7.70	7.70	0.	166.	0.00	0.51	28
617	30	7.70	7.70	262.	265.	0.00	0.94	7.70	7.70	73.	127.	0.00	0.41	50
618	30	7.70	7.70	472.	263.	0.00	0.93	7.70	7.70	229.	87.	0.00	0.33	50
619	30	7.70	7.70	406.	235.	0.00	0.83	7.70	7.70	311.	50.	0.00	0.23	44
620	30	7.70	7.70	295.	222.	0.00	0.76	7.70	7.70	474.	33.	0.00	0.22	40
736	30	7.70	7.70	179.	212.	0.00	0.70	7.70	7.70	562.	33.	0.01	0.24	37
738	30	7.70	7.70	600.	197.	0.00	0.76	7.70	7.70	964.	10.	0.06	0.28	40
740	30	7.70	7.70	1575.	192.	0.00	0.99	7.70	7.70	1843.	-4.	0.14	0.46	51
746	30	7.70	7.70	1545.	214.	0.00	1.05	7.70	7.70	2008.	15.	0.12	0.55	55
748	30	15.41	15.41	3962.	344.	0.30	1.03	7.70	7.70	2115.	145.	0.04	0.97	53
750	30	7.70	7.70	0.	349.	0.00	1.08	7.70	7.70	566.	91.	0.00	0.42	58
752	30	7.70	7.70	532.	264.	0.00	0.97	7.70	7.70	468.	57.	0.00	0.29	52
754	30	7.70	7.70	394.	242.	0.00	0.85	7.70	7.70	371.	35.	0.00	0.20	45
756	30	7.70	7.70	225.	225.	0.00	0.75	7.70	7.70	348.	10.	0.00	0.12	40
764	30	15.41	15.41	1941.	440.	0.00	0.93	7.70	7.70	3836.	128.	0.13	1.35	70
882	30	7.70	7.70	3585.	240.	0.06	1.64	7.70	7.70	2277.	-5.	0.17	0.56	86
883	30	7.70	7.70	2835.	195.	0.00	1.31	7.70	7.70	1915.	-6.	0.15	0.47	68
911	30	7.70	7.70	1676.	210.	0.00	1.07	7.70	7.70	2684.	37.	0.13	0.81	56

L'ARMATURA È OVUNQUE > DELLA QUANTITÀ RICHIESTA: IL PUNTO 2.3 DELLE NTC È VERIFICATO (Rd > Ed)

*** VERIFICHE A TAGLIO SECONDO NTC2018 (cap. 7.4.4.5.1) ***

Vrcd = compressione cls d'anima
Vrsd = trazione armatura trasversale
Vrd,s = scorrimento in zona dissipativa

Quota [cm]	Sezione [cm2]	Af long. [cm2]	Af trasv. [cm2]	Taglio [daN]	Vrcd [daN]	Vrsd [daN]	alfas	Vrd,s [daN]
20.0	37755	193.73	193.73	217492	1074626	606454	-	-
60.0	37755	193.73	193.73	218870	1074262	606454	-	-
100.0	37755	193.73	193.73	218870	1074262	606454	-	-
140.0	37755	193.73	193.73	219877	1073749	606454	-	-
180.0	37755	193.73	193.73	219877	1073749	606454	-	-
220.0	37755	193.73	193.73	219877	1073749	606454	-	-
260.0	37755	193.73	193.73	216397	1073589	606454	-	-
300.0	37755	193.73	193.73	216397	1073589	606454	-	-
340.0	37755	193.73	193.73	158579	1070797	606454	-	-
380.0	37755	193.73	193.73	158579	1070797	606454	-	-
420.0	37755	193.73	193.73	97299	1067612	606454	-	-
460.0	37755	193.73	193.73	97752	1067685	606454	-	-
500.0	36864	189.16	189.16	88672	1040734	592145	-	-
540.0	31772	163.03	176.10	73544	896844	551267	-	-
580.0	25705	131.90	158.34	90430	725679	495665	-	-
620.0	17467	89.63	115.29	62227	493140	360905	-	-
660.0	9205	47.23	66.17	34842	259782	207131	-	-
692.3	2534	13.01	21.69	14283	71555	67912	-	-

MACROGUSCIO parete04

VERIFICA ARMATURE EFFETTIVE (EFFETTO MEMBRANA + PIASTRA)

CASI DI CARICO: ->

Nome	Descrizione
1	SLU
2	SLU VENTOX
3	SLU VENTOY
6	SLU con SISMAX PRINC
7	SLU con SISMAY PRINC
13	SLUEqu
14	SLUEqu VENTOX
15	SLUEqu VENTOY
23	valanga

DATI:
tensione di snervamento acciaio (fyk): 4500 daN/cm2
coefficiente sicurezza acciaio : 1.15
deformazione ultima acciaio : 1.86 per mille
deformazione ultima cls : 3.5 per mille
rapporto rottura/snervamento (k): 1
resistenza cilindrica cls (fck): 249 daN/cm2
coefficiente sicurezza cls : 1.5
coefficiente riduttivo (alfa): 0.85
copriferro inferiore (asse armatura): 3 cm
copriferro superiore (asse armatura): 3 cm
moltiplicatore sollecitazioni : 1

LEGENDA:
spess = spessore guscio. Verifica effettuata su sezione BxH, con B=1 cm e H="spess" cm
Af = area disposta al lembo teso, in cm2 al metro
Afc = area disposta al lembo compresso, in cm2 al metro
Mom = momento flettente [daNcm/cm]
Nor = sforzo normale [daN]
epsC = deformazione cls [per mille]
epsF = deformazione acciaio [per mille]
<-
L'armatura è sufficiente se le deformazioni dei materiali sono ovunque minori delle corrispondenti deformazioni ultime.

Per gli elementi non dissipativi la permanenza in campo elastico è ottenuta limitando la deformazione dell'acciaio alla deformazione di snervamento (1.86 per mille) e quella del calcestruzzo al 2 per mille.

		INFERIORE ORIZZONTALE						INFERIORE VERTICALE						COEF.
GUSCI	spess	Af	Afc	Mom	Nor	epsC	epsF	Af	Afc	Mom	Nor	epsC	epsF	MAX %
233	30	7.70	7.70	102.	8.	0.01	0.05	7.70	7.70	1555.	-19.	0.12	0.37	19
234	30	7.70	7.70	55.	52.	0.00	0.17	7.70	7.70	1454.	-6.	0.11	0.36	18
235	30	7.70	7.70	259.	72.	0.00	0.29	7.70	7.70	0.	-38.	0.01	-0.01	15
236	30	7.70	7.70	61.	3.	0.00	0.03	7.70	7.70	0.	-63.	0.01	-0.01	2
237	30	7.70	7.70	412.	149.	0.00	0.56	7.70	7.70	279.	66.	0.00	0.27	30
238	30	7.70	7.70	0.	96.	0.00	0.30	7.70	7.70	126.	59.	0.00	0.21	16
239	30	7.70	7.70	301.	292.	0.00	0.98	7.70	7.70	0.	190.	0.00	0.59	52

240	30	7.70	7.70	95.	298.	0.00	0.94	7.70	7.70	0.	190.	0.00	0.59	51
241	30	7.70	7.70	161.	41.	0.00	0.17	7.70	7.70	0.	-36.	0.01	0.02	9
242	30	7.70	7.70	113.	49.	0.00	0.18	7.70	7.70	0.	30.	0.00	0.09	10
243	30	7.70	7.70	0.	53.	0.00	0.16	7.70	7.70	0.	26.	0.00	0.08	9
244	30	7.70	7.70	0.	46.	0.00	0.14	7.70	7.70	0.	-28.	0.01	0.04	8
245	30	7.70	7.70	103.	2.	0.00	0.03	7.70	7.70	85.	-47.	0.02	-0.01	2
246	30	7.70	7.70	0.	52.	0.00	0.16	7.70	7.70	0.	22.	0.00	0.07	9
247	30	7.70	7.70	0.	68.	0.00	0.21	7.70	7.70	0.	40.	0.00	0.12	11
248	30	7.70	7.70	0.	86.	0.00	0.27	7.70	7.70	0.	55.	0.00	0.17	14
249	30	7.70	7.70	0.	99.	0.00	0.31	7.70	7.70	0.	66.	0.00	0.20	16
250	30	7.70	7.70	0.	104.	0.00	0.32	7.70	7.70	0.	76.	0.00	0.23	17
251	30	7.70	7.70	123.	73.	0.00	0.26	7.70	7.70	0.	100.	0.00	0.31	17
252	30	7.70	7.70	127.	45.	0.00	0.17	7.70	7.70	0.	-31.	0.01	0.05	9
253	30	7.70	7.70	139.	62.	0.00	0.23	7.70	7.70	0.	28.	0.00	0.09	12
254	30	7.70	7.70	80.	55.	0.00	0.20	7.70	7.70	0.	24.	0.00	0.07	10
255	30	7.70	7.70	90.	28.	0.00	0.11	7.70	7.70	0.	-54.	0.01	-0.01	6
256	30	7.70	7.70	135.	13.	0.00	0.07	7.70	7.70	0.	-56.	0.01	-0.01	4
257	30	7.70	7.70	0.	46.	0.00	0.14	7.70	7.70	0.	-20.	0.00	0.03	8
258	30	7.70	7.70	0.	68.	0.00	0.21	7.70	7.70	0.	27.	0.00	0.08	11
259	30	7.70	7.70	0.	89.	0.00	0.27	7.70	7.70	0.	46.	0.00	0.14	15
260	30	7.70	7.70	0.	108.	0.00	0.34	7.70	7.70	0.	64.	0.00	0.20	18
261	30	7.70	7.70	0.	116.	0.00	0.36	7.70	7.70	0.	87.	0.00	0.27	19
262	30	7.70	7.70	391.	86.	0.00	0.36	7.70	7.70	0.	115.	0.00	0.36	19
263	30	7.70	7.70	99.	97.	0.00	0.32	7.70	7.70	0.	57.	0.00	0.18	17
264	30	7.70	7.70	251.	76.	0.00	0.30	7.70	7.70	36.	-56.	0.02	0.00	16
265	30	7.70	7.70	113.	70.	0.00	0.24	7.70	7.70	559.	-30.	0.05	0.13	13
266	30	7.70	7.70	134.	53.	0.00	0.21	7.70	7.70	344.	-32.	0.03	0.07	11
267	30	7.70	7.70	6.	52.	0.00	0.16	7.70	7.70	0.	-51.	0.01	-0.01	9
268	30	7.70	7.70	0.	53.	0.00	0.16	7.70	7.70	0.	-52.	0.01	-0.01	9
269	30	7.70	7.70	0.	46.	0.00	0.14	7.70	7.70	0.	-20.	0.00	0.04	8
270	30	7.70	7.70	0.	86.	0.00	0.26	7.70	7.70	0.	37.	0.00	0.12	14
271	30	7.70	7.70	0.	106.	0.00	0.33	7.70	7.70	0.	64.	0.00	0.20	18
272	30	7.70	7.70	0.	128.	0.00	0.40	7.70	7.70	0.	103.	0.00	0.32	21
273	30	7.70	7.70	518.	126.	0.00	0.52	7.70	7.70	0.	145.	0.00	0.45	27
274	30	7.70	7.70	1337.	254.	0.00	1.12	7.70	7.70	609.	-2.	0.05	0.15	59
275	30	7.70	7.70	313.	167.	0.00	0.59	7.70	7.70	1505.	-30.	0.12	0.35	31
276	30	7.70	7.70	0.	122.	0.00	0.38	7.70	7.70	1354.	-16.	0.11	0.33	20
277	30	7.70	7.70	354.	92.	0.00	0.37	7.70	7.70	1230.	-25.	0.10	0.30	19
278	30	7.70	7.70	718.	69.	0.00	0.39	7.70	7.70	231.	-35.	0.03	0.05	20
279	30	7.70	7.70	496.	62.	0.00	0.32	7.70	7.70	0.	-42.	0.01	-0.01	16
280	30	7.70	7.70	367.	83.	0.00	0.35	7.70	7.70	0.	-50.	0.01	-0.01	18
281	30	7.70	7.70	207.	96.	0.00	0.35	7.70	7.70	0.	32.	0.00	0.10	18
282	30	7.70	7.70	0.	108.	0.00	0.33	7.70	7.70	0.	69.	0.00	0.21	18
283	30	7.70	7.70	0.	130.	0.00	0.40	7.70	7.70	0.	103.	0.00	0.32	22
284	30	7.70	7.70	301.	120.	0.00	0.47	7.70	7.70	0.	134.	0.00	0.41	25
285	30	7.70	7.70	1490.	294.	0.00	1.29	7.70	7.70	1734.	264.	0.00	1.26	68
286	30	7.70	7.70	1195.	341.	0.00	1.36	7.70	7.70	2400.	280.	0.00	1.47	77
287	30	7.70	7.70	2852.	143.	0.00	1.26	7.70	7.70	2417.	157.	0.00	1.09	65
288	30	7.70	7.70	1517.	297.	0.00	1.30	7.70	7.70	3132.	214.	0.00	1.45	75
289	30	7.70	7.70	4146.	192.	0.16	1.63	7.70	7.70	4624.	77.	0.29	1.39	84
290	30	7.70	7.70	1652.	196.	0.00	1.02	7.70	7.70	4151.	84.	0.21	1.32	68
292	30	7.70	7.70	549.	280.	0.00	1.01	7.70	7.70	3472.	79.	0.14	1.11	57
293	30	7.70	7.70	1634.	385.	0.00	1.64	7.70	7.70	3511.	149.	0.12	1.33	87
294	30	7.70	7.70	22.	299.	0.00	0.93	7.70	7.70	2510.	21.	0.18	0.69	50
295	30	7.70	7.70	0.	211.	0.00	0.65	7.70	7.70	2212.	-5.	0.17	0.55	35
296	30	7.70	7.70	238.	99.	0.00	0.43	7.70	7.70	3145.	10.	0.22	0.82	42
297	30	7.70	7.70	836.	71.	0.00	0.44	7.70	7.70	3998.	12.	0.29	1.03	53
298	30	7.70	7.70	924.	79.	0.00	0.48	7.70	7.70	4424.	2.	0.33	1.11	57
299	30	7.70	7.70	940.	89.	0.00	0.51	7.70	7.70	4021.	-11.	0.31	0.99	50
300	30	7.70	7.70	922.	95.	0.00	0.52	7.70	7.70	3420.	-10.	0.26	0.84	43
301	30	7.70	7.70	495.	121.	0.00	0.50	7.70	7.70	2452.	8.	0.19	0.64	33
302	30	7.70	7.70	220.	135.	0.00	0.47	7.70	7.70	1786.	73.	0.04	0.68	35
303	30	7.70	7.70	119.	124.	0.00	0.43	7.70	7.70	1587.	126.	0.00	0.78	40
304	30	7.70	7.70	1054.	383.	0.00	1.45	7.70	7.70	2336.	158.	0.00	1.07	77
305	30	7.70	7.70	0.	340.	0.00	1.05	7.70	7.70	2072.	85.	0.05	0.78	57
306	30	7.70	7.70	0.	293.	0.00	0.90	7.70	7.70	1914.	39.	0.06	0.60	49
307	30	7.70	7.70	0.	241.	0.00	0.74	7.70	7.70	1920.	40.	0.05	0.61	40
308	30	7.70	7.70	0.	193.	0.00	0.60	7.70	7.70	2551.	40.	0.11	0.76	39
309	30	7.70	7.70	749.	118.	0.00	0.59	7.70	7.70	2945.	36.	0.18	0.84	43
310	30	7.70	7.70	952.	97.	0.00	0.54	7.70	7.70	3022.	7.	0.22	0.80	41
311	30	7.70	7.70	1157.	81.	0.00	0.55	7.70	7.70	2777.	-9.	0.21	0.68	35
312	30	7.70	7.70	1058.	73.	0.00	0.51	7.70	7.70	1428.	-2.	0.11	0.36	26
313	30	7.70	7.70	1052.	42.	0.00	0.43	7.70	7.70	569.	99.	0.00	0.52	28
314	30	7.70	7.70	872.	10.	0.04	0.27	7.70	7.70	0.	195.	0.00	0.60	32
315	30	7.70	7.70	471.	347.	0.00	1.19	7.70	7.70	1995.	130.	0.00	0.90	64
316	30	7.70	7.70	0.	361.	0.00	1.11	7.70	7.70	1499.	110.	0.00	0.71	60
317	30	7.70	7.70	0.	349.	0.00	1.08	7.70	7.70	1421.	87.	0.00	0.62	58
318	30	7.70	7.70	0.	316.	0.00	0.98	7.70	7.70	1534.	83.	0.00	0.64	53
319	30	7.70	7.70	0.	275.	0.00	0.85	7.70	7.70	1637.	85.	0.00	0.67	46
320	30	7.70	7.70	447.	196.	0.00	0.75	7.70	7.70	2046.	78.	0.01	0.75	40
321	30	7.70	7.70	849.	172.	0.00	0.74	7.70	7.70	2244.	57.	0.08	0.73	39
322	30	7.70	7.70	1262.	117.	0.00	0.68	7.70	7.70	2218.	28.	0.16	0.64	35
323	30	7.70	7.70	1553.	52.	0.00	0.55	7.70	7.70	1019.	3.	0.08	0.26	28
324	30	7.70	7.70	1749.	21.	0.08	0.50	7.70	7.70	0.	153.	0.00	0.47	26

325	30	7.70	7.70	1665.	7.	0.11	0.44	7.70	7.70	0.	231.	0.00	0.71	38
326	30	7.70	7.70	128.	360.	0.00	1.15	7.70	7.70	1582.	107.	0.00	0.73	61
327	30	7.70	7.70	0.	395.	0.00	1.22	7.70	7.70	1205.	95.	0.00	0.60	66
328	30	7.70	7.70	0.	401.	0.00	1.24	7.70	7.70	1045.	107.	0.00	0.59	67
329	30	7.70	7.70	0.	397.	0.00	1.23	7.70	7.70	1073.	119.	0.00	0.63	66
330	30	7.70	7.70	0.	366.	0.00	1.13	7.70	7.70	1121.	125.	0.00	0.67	61
331	30	7.70	7.70	0.	338.	0.00	1.05	7.70	7.70	1605.	123.	0.00	0.78	56
332	30	7.70	7.70	805.	254.	0.00	1.06	7.70	7.70	1750.	112.	0.00	0.78	56
333	30	7.70	7.70	1159.	231.	0.00	1.01	7.70	7.70	1840.	81.	0.02	0.72	53
334	30	7.70	7.70	1635.	153.	0.00	0.88	7.70	7.70	1926.	31.	0.12	0.58	45
335	30	7.70	7.70	2094.	55.	0.07	0.69	7.70	7.70	894.	21.	0.01	0.34	35
336	30	7.70	7.70	2492.	32.	0.14	0.72	7.70	7.70	0.	256.	0.00	0.79	43
337	30	16.44	16.44	1453.	404.	0.00	0.76	7.70	7.70	3559.	272.	0.07	1.74	91
338	30	7.70	7.70	1504.	340.	0.00	1.44	7.70	7.70	3178.	223.	0.00	1.49	77
339	30	7.70	7.70	1269.	264.	0.00	1.14	7.70	7.70	3364.	131.	0.07	1.24	64
340	30	7.70	7.70	360.	370.	0.00	1.24	7.70	7.70	2318.	96.	0.00	0.87	66
341	30	7.70	7.70	348.	385.	0.00	1.28	7.70	7.70	1888.	108.	0.00	0.80	68
342	30	7.70	7.70	1133.	316.	0.00	1.27	7.70	7.70	2615.	137.	0.00	1.08	67
343	30	7.70	7.70	2137.	371.	0.00	1.70	7.70	7.70	2898.	207.	0.00	1.36	89
344	30	16.44	16.44	2843.	442.	0.00	0.98	7.70	7.70	3992.	214.	0.14	1.72	90
348	30	7.70	7.70	0.	428.	0.00	1.32	7.70	7.70	812.	80.	0.00	0.45	71
349	30	18.07	18.07	0.	422.	0.00	0.56	7.70	7.70	775.	102.	0.00	0.51	30
350	30	18.07	18.07	0.	457.	0.00	0.60	7.70	7.70	732.	143.	0.00	0.62	33
351	30	18.07	18.07	0.	403.	0.00	0.53	7.70	7.70	778.	162.	0.00	0.70	36
352	30	18.07	18.07	0.	464.	0.00	0.61	7.70	7.70	1355.	144.	0.00	0.78	41
353	30	18.07	18.07	487.	438.	0.00	0.63	7.70	7.70	1402.	160.	0.00	0.84	44
354	30	18.07	18.07	963.	396.	0.00	0.63	7.70	7.70	1605.	152.	0.00	0.87	45
355	30	18.07	18.07	1438.	326.	0.00	0.59	7.70	7.70	1781.	120.	0.00	0.82	42
356	30	18.07	18.07	2147.	219.	0.02	0.52	7.70	7.70	737.	63.	0.00	0.38	26
357	30	18.07	18.07	3282.	82.	0.09	0.47	7.70	7.70	0.	263.	0.00	0.81	44
365	30	18.07	18.07	356.	503.	0.00	0.71	7.70	7.70	2103.	160.	0.00	1.02	53
366	30	18.07	18.07	616.	534.	0.00	0.78	7.70	7.70	921.	197.	0.00	0.84	44
367	30	18.07	18.07	815.	591.	0.00	0.87	7.70	7.70	1107.	217.	0.00	0.95	50
368	30	18.07	18.07	1380.	422.	0.00	0.70	7.70	7.70	1470.	204.	0.00	1.00	52
369	30	18.07	18.07	1671.	513.	0.00	0.86	7.70	7.70	1973.	146.	0.00	0.94	49
370	30	18.07	18.07	3905.	317.	0.05	0.84	7.70	7.70	791.	132.	0.00	0.61	43
376	30	18.07	18.07	2542.	800.	0.00	1.33	7.70	7.70	2930.	125.	0.01	1.12	70
377	30	18.07	18.07	5324.	903.	0.00	1.77	7.70	7.70	5303.	-3.	0.40	1.54	94
705	30	18.07	18.07	601.	585.	0.00	0.84	7.70	7.70	410.	177.	0.00	0.67	45
707	30	18.07	18.07	869.	657.	0.00	0.97	7.70	7.70	380.	195.	0.00	0.70	51
709	30	18.07	18.07	1149.	691.	0.00	1.04	7.70	7.70	955.	84.	0.00	0.50	55
713	30	18.07	18.07	450.	515.	0.00	0.73	7.70	7.70	406.	150.	0.00	0.57	39
715	30	18.07	18.07	0.	430.	0.00	0.57	7.70	7.70	428.	61.	0.00	0.29	30
721	30	7.70	7.70	0.	439.	0.00	1.36	7.70	7.70	668.	92.	0.00	0.45	73
725	30	7.70	7.70	312.	418.	0.00	1.37	7.70	7.70	1091.	103.	0.00	0.59	74
727	30	7.70	7.70	289.	420.	0.00	1.37	7.70	7.70	979.	87.	0.00	0.51	73
732	30	7.70	7.70	0.	410.	0.00	1.27	7.70	7.70	550.	47.	0.00	0.28	68
847	30	18.07	18.07	0.	479.	0.00	0.63	7.70	7.70	1152.	162.	0.06	0.79	41
849	30	18.07	18.07	0.	530.	0.00	0.70	7.70	7.70	2721.	154.	0.00	1.15	60
852	30	16.31	16.31	3857.	154.	0.03	0.69	7.70	7.70	3489.	100.	0.12	1.18	60
853	30	16.31	16.31	295.	518.	0.00	0.79	7.70	7.70	2997.	105.	0.05	1.07	55
855	30	16.31	16.31	7190.	543.	0.08	1.65	7.70	7.70	4182.	131.	0.18	1.45	86
858	30	7.70	7.70	0.	401.	0.00	1.24	7.70	7.70	465.	121.	0.00	0.49	67

		SUPERIORE ORIZZONTALE						SUPERIORE VERTICALE						COEF.
GUSCI	spess	Af	Afc	Mom	Nor	epsC	epsF	Af	Afc	Mom	Nor	epsC	epsF	MAX %
233	30	7.70	7.70	72.	-6.	0.01	0.04	7.70	7.70	187.	-19.	0.02	0.04	2
234	30	7.70	7.70	0.	52.	0.00	0.16	7.70	7.70	137.	-6.	0.01	0.07	9
235	30	7.70	7.70	8.	72.	0.00	0.22	7.70	7.70	152.	-38.	0.02	0.03	12
236	30	7.70	7.70	34.	10.	0.00	0.04	7.70	7.70	214.	-63.	0.03	0.04	2
237	30	7.70	7.70	0.	149.	0.00	0.46	7.70	7.70	165.	66.	0.00	0.25	25
238	30	7.70	7.70	86.	96.	0.00	0.32	7.70	7.70	172.	59.	0.00	0.22	17
239	30	7.70	7.70	75.	292.	0.00	0.92	7.70	7.70	1812.	169.	0.00	0.97	50
240	30	7.70	7.70	396.	298.	0.00	1.02	7.70	7.70	1849.	182.	0.00	1.02	54
241	30	7.70	7.70	267.	41.	0.00	0.19	7.70	7.70	586.	-36.	0.05	0.13	10
242	30	7.70	7.70	181.	53.	0.00	0.21	7.70	7.70	689.	30.	0.00	0.27	13
243	30	7.70	7.70	144.	52.	0.00	0.20	7.70	7.70	712.	26.	0.01	0.26	13
244	30	7.70	7.70	118.	46.	0.00	0.17	7.70	7.70	754.	-28.	0.06	0.21	11
245	30	7.70	7.70	145.	2.	0.01	0.06	7.70	7.70	831.	-47.	0.07	0.23	12
246	30	7.70	7.70	184.	51.	0.00	0.20	7.70	7.70	977.	22.	0.07	0.31	16
247	30	7.70	7.70	164.	67.	0.00	0.25	7.70	7.70	1047.	40.	0.00	0.38	20
248	30	7.70	7.70	233.	85.	0.00	0.32	7.70	7.70	1131.	55.	0.00	0.45	23
249	30	7.70	7.70	267.	99.	0.00	0.37	7.70	7.70	1183.	66.	0.00	0.50	25
250	30	7.70	7.70	274.	101.	0.00	0.38	7.70	7.70	1263.	74.	0.00	0.54	28
251	30	7.70	7.70	132.	86.	0.00	0.30	7.70	7.70	1325.	93.	0.00	0.62	32
252	30	7.70	7.70	339.	45.	0.00	0.22	7.70	7.70	1229.	10.	0.09	0.35	18
253	30	7.70	7.70	176.	66.	0.00	0.25	7.70	7.70	1202.	22.	0.04	0.37	19
254	30	7.70	7.70	82.	54.	0.00	0.19	7.70	7.70	1107.	24.	0.08	0.35	18
255	30	7.70	7.70	81.	27.	0.00	0.10	7.70	7.70	936.	-54.	0.08	0.24	12
256	30	7.70	7.70	186.	16.	0.00	0.10	7.70	7.70	969.	-53.	0.09	0.22	12
257	30	7.70	7.70	205.	46.	0.00	0.19	7.70	7.70	939.	-20.	0.08	0.27	14
258	30	7.70	7.70	200.	68.	0.00	0.26	7.70	7.70	928.	27.	0.03	0.32	16
259	30	7.70	7.70	293.	89.	0.00	0.35	7.70	7.70	856.	46.	0.00	0.36	18
260	30	7.70	7.70	287.	108.	0.00	0.41	7.70	7.70	827.	52.	0.00	0.39	21

261	30	7.70	7.70	237.	111.	0.00	0.41	7.70	7.70	697.	73.	0.00	0.41	22
262	30	7.70	7.70	0.	98.	0.00	0.30	7.70	7.70	468.	114.	0.00	0.47	24
263	30	7.70	7.70	219.	77.	0.00	0.30	7.70	7.70	1644.	57.	0.06	0.59	30
264	30	7.70	7.70	52.	88.	0.00	0.28	7.70	7.70	1536.	-56.	0.13	0.39	20
265	30	7.70	7.70	105.	66.	0.00	0.23	7.70	7.70	1468.	-37.	0.12	0.34	18
266	30	7.70	7.70	243.	68.	0.00	0.27	7.70	7.70	1418.	-34.	0.12	0.33	17
267	30	7.70	7.70	341.	52.	0.00	0.25	7.70	7.70	1311.	-48.	0.11	0.30	16
268	30	7.70	7.70	410.	53.	0.00	0.27	7.70	7.70	1322.	-42.	0.11	0.30	16
269	30	7.70	7.70	357.	46.	0.00	0.23	7.70	7.70	1264.	-20.	0.10	0.34	17
270	30	7.70	7.70	305.	86.	0.00	0.34	7.70	7.70	1195.	31.	0.04	0.40	20
271	30	7.70	7.70	284.	106.	0.00	0.40	7.70	7.70	1029.	59.	0.00	0.44	22
272	30	7.70	7.70	380.	128.	0.00	0.49	7.70	7.70	816.	96.	0.00	0.50	26
273	30	7.70	7.70	0.	136.	0.00	0.42	7.70	7.70	588.	140.	0.00	0.58	30
274	30	7.70	7.70	0.	254.	0.00	0.78	7.70	7.70	2267.	27.	0.16	0.65	42
275	30	7.70	7.70	340.	167.	0.00	0.60	7.70	7.70	2134.	-30.	0.17	0.51	32
276	30	7.70	7.70	367.	122.	0.00	0.47	7.70	7.70	1940.	-11.	0.15	0.47	25
277	30	7.70	7.70	736.	82.	0.00	0.44	7.70	7.70	2072.	-25.	0.16	0.49	25
278	30	7.70	7.70	626.	69.	0.00	0.37	7.70	7.70	2455.	-40.	0.19	0.57	29
279	30	7.70	7.70	477.	56.	0.00	0.29	7.70	7.70	2486.	-33.	0.20	0.59	30
280	30	7.70	7.70	366.	66.	0.00	0.32	7.70	7.70	2048.	-38.	0.16	0.48	25
281	30	7.70	7.70	271.	96.	0.00	0.36	7.70	7.70	1856.	-18.	0.15	0.54	27
282	30	7.70	7.70	486.	75.	0.00	0.41	7.70	7.70	1696.	63.	0.02	0.62	32
283	30	7.70	7.70	471.	130.	0.00	0.52	7.70	7.70	1556.	103.	0.00	0.71	36
284	30	7.70	7.70	225.	133.	0.00	0.47	7.70	7.70	1865.	134.	0.00	0.88	45
285	30	7.70	7.70	497.	294.	0.00	1.03	7.70	7.70	232.	264.	0.00	0.87	55
286	30	7.70	7.70	885.	350.	0.00	1.31	7.70	7.70	666.	284.	0.00	1.05	69
287	30	7.70	7.70	3338.	143.	0.05	1.27	7.70	7.70	2925.	157.	0.00	1.21	66
288	30	7.70	7.70	880.	297.	0.00	1.14	7.70	7.70	3020.	200.	0.00	1.39	72
289	30	7.70	7.70	4107.	118.	0.18	1.40	7.70	7.70	4850.	77.	0.32	1.45	74
290	30	7.70	7.70	1052.	211.	0.00	0.92	7.70	7.70	4314.	84.	0.23	1.35	69
292	30	7.70	7.70	681.	326.	0.00	1.18	7.70	7.70	3553.	79.	0.15	1.13	63
293	30	7.70	7.70	0.	418.	0.00	1.29	7.70	7.70	2287.	149.	0.04	1.03	70
294	30	7.70	7.70	501.	299.	0.00	1.05	7.70	7.70	2245.	-13.	0.17	0.62	56
295	30	7.70	7.70	667.	211.	0.00	0.82	7.70	7.70	2332.	-5.	0.18	0.58	43
296	30	7.70	7.70	597.	122.	0.00	0.53	7.70	7.70	2306.	8.	0.16	0.60	31
297	30	7.70	7.70	569.	71.	0.00	0.40	7.70	7.70	2425.	12.	0.16	0.64	33
298	30	7.70	7.70	149.	69.	0.00	0.25	7.70	7.70	2463.	2.	0.18	0.63	32
299	30	7.70	7.70	93.	87.	0.00	0.29	7.70	7.70	2103.	-11.	0.16	0.51	26
300	30	7.70	7.70	182.	100.	0.00	0.35	7.70	7.70	1541.	-10.	0.12	0.38	19
301	30	7.70	7.70	134.	113.	0.00	0.38	7.70	7.70	1047.	-1.	0.08	0.26	20
302	30	7.70	7.70	124.	131.	0.00	0.44	7.70	7.70	542.	82.	0.00	0.40	23
303	30	7.70	7.70	85.	137.	0.00	0.44	7.70	7.70	234.	151.	0.00	0.52	28
304	30	7.70	7.70	209.	368.	0.00	1.19	7.70	7.70	2187.	158.	0.00	1.03	64
305	30	7.70	7.70	688.	340.	0.00	1.23	7.70	7.70	1896.	85.	0.02	0.73	65
306	30	7.70	7.70	935.	293.	0.00	1.14	7.70	7.70	1563.	39.	0.02	0.51	60
307	30	7.70	7.70	887.	241.	0.00	0.97	7.70	7.70	1289.	43.	0.00	0.45	51
308	30	7.70	7.70	456.	193.	0.00	0.71	7.70	7.70	1658.	40.	0.03	0.54	38
309	30	7.70	7.70	177.	139.	0.00	0.48	7.70	7.70	1942.	24.	0.09	0.57	29
310	30	7.70	7.70	236.	97.	0.00	0.36	7.70	7.70	1906.	17.	0.14	0.53	27
311	30	7.70	7.70	220.	81.	0.00	0.30	7.70	7.70	1744.	-9.	0.13	0.43	22
312	30	7.70	7.70	0.	106.	0.00	0.33	7.70	7.70	1521.	-2.	0.12	0.44	23
313	30	7.70	7.70	998.	42.	0.00	0.38	7.70	7.70	1226.	107.	0.00	0.69	36
314	30	7.70	7.70	1372.	10.	0.08	0.37	7.70	7.70	870.	189.	0.00	0.80	42
315	30	7.70	7.70	851.	350.	0.00	1.30	7.70	7.70	1949.	130.	0.00	0.89	69
316	30	7.70	7.70	970.	361.	0.00	1.36	7.70	7.70	0.	110.	0.00	0.34	72
317	30	7.70	7.70	1201.	349.	0.00	1.39	7.70	7.70	0.	87.	0.00	0.27	73
318	30	7.70	7.70	1199.	316.	0.00	1.29	7.70	7.70	0.	83.	0.00	0.26	68
319	30	7.70	7.70	955.	275.	0.00	1.09	7.70	7.70	0.	85.	0.00	0.26	58
320	30	7.70	7.70	1007.	230.	0.00	0.96	7.70	7.70	1484.	66.	0.00	0.58	51
321	30	7.70	7.70	887.	172.	0.00	0.75	7.70	7.70	1691.	57.	0.04	0.60	39
322	30	7.70	7.70	834.	117.	0.00	0.57	7.70	7.70	1729.	28.	0.13	0.52	29
323	30	7.70	7.70	475.	50.	0.00	0.27	7.70	7.70	1663.	39.	0.13	0.53	27
324	30	7.70	7.70	1847.	21.	0.09	0.53	7.70	7.70	1434.	153.	0.00	0.83	43
325	30	7.70	7.70	2335.	7.	0.16	0.61	7.70	7.70	1299.	217.	0.00	1.01	53
326	30	7.70	7.70	1017.	360.	0.00	1.37	7.70	7.70	0.	107.	0.00	0.33	73
327	30	7.70	7.70	1420.	395.	0.00	1.59	7.70	7.70	0.	102.	0.00	0.31	84
328	30	7.70	7.70	1708.	401.	0.00	1.68	7.70	7.70	0.	107.	0.00	0.33	89
329	30	7.70	7.70	1843.	397.	0.00	1.70	7.70	7.70	0.	119.	0.00	0.37	90
330	30	7.70	7.70	1880.	366.	0.00	1.62	7.70	7.70	0.	125.	0.00	0.39	85
331	30	7.70	7.70	1837.	338.	0.00	1.52	7.70	7.70	0.	123.	0.00	0.38	80
332	30	7.70	7.70	1312.	294.	0.00	1.24	7.70	7.70	205.	97.	0.00	0.37	65
333	30	7.70	7.70	908.	231.	0.00	0.94	7.70	7.70	1636.	53.	0.00	0.57	50
334	30	7.70	7.70	393.	153.	0.00	0.57	7.70	7.70	1734.	31.	0.14	0.53	30
335	30	7.70	7.70	2019.	30.	0.09	0.60	7.70	7.70	1758.	109.	0.09	0.78	40
336	30	7.70	7.70	3109.	32.	0.18	0.87	7.70	7.70	1613.	256.	0.00	1.20	63
337	30	16.44	16.44	689.	415.	0.00	0.68	7.70	7.70	1892.	282.	0.00	1.35	71
338	30	7.70	7.70	958.	305.	0.00	1.20	7.70	7.70	2857.	223.	0.00	1.41	73
339	30	7.70	7.70	1089.	272.	0.00	1.12	7.70	7.70	3367.	131.	0.07	1.24	64
340	30	7.70	7.70	917.	370.	0.00	1.38	7.70	7.70	2304.	96.	0.00	0.87	73
341	30	7.70	7.70	1190.	385.	0.00	1.50	7.70	7.70	831.	108.	0.00	0.54	79
342	30	7.70	7.70	943.	319.	0.00	1.23	7.70	7.70	2560.	137.	0.00	1.06	65
343	30	7.70	7.70	523.	345.	0.00	1.20	7.70	7.70	2595.	207.	0.00	1.29	67
344	30	16.44	16.44	144.	421.	0.00	0.64	7.70	7.70	2186.	215.	0.00	1.21	63
348	30	7.70	7.70	1715.	428.	0.00	1.77	7.70	7.70	97.	80.	0.00	0.27	94

349	30	18.07	18.07	2155.	418.	0.00	0.78	7.70	7.70	113.	96.	0.00	0.34	40
350	30	18.07	18.07	2439.	440.	0.00	0.85	7.70	7.70	0.	149.	0.00	0.46	44
351	30	18.07	18.07	2965.	391.	0.00	0.83	7.70	7.70	327.	145.	0.00	0.53	43
352	30	18.07	18.07	2240.	464.	0.00	0.85	7.70	7.70	706.	137.	0.00	0.60	44
353	30	18.07	18.07	1353.	438.	0.00	0.72	7.70	7.70	627.	150.	0.00	0.62	38
354	30	18.07	18.07	745.	396.	0.00	0.60	7.70	7.70	459.	153.	0.00	0.59	32
355	30	18.07	18.07	449.	248.	0.00	0.43	7.70	7.70	897.	71.	0.00	0.48	25
356	30	18.07	18.07	891.	78.	0.00	0.29	7.70	7.70	2153.	110.	0.05	0.87	45
357	30	18.07	18.07	3405.	46.	0.12	0.43	7.70	7.70	2183.	263.	0.00	1.36	71
365	30	18.07	18.07	2454.	499.	0.00	0.92	7.70	7.70	1758.	160.	0.00	0.94	49
366	30	18.07	18.07	1352.	513.	0.00	0.85	7.70	7.70	1250.	185.	0.00	0.88	46
367	30	18.07	18.07	343.	591.	0.00	0.82	7.70	7.70	547.	205.	0.00	0.77	44
368	30	18.07	18.07	0.	433.	0.00	0.57	7.70	7.70	60.	204.	0.00	0.65	35
369	30	18.07	18.07	0.	513.	0.00	0.68	7.70	7.70	2465.	91.	0.01	0.90	46
370	30	18.07	18.07	1548.	185.	0.00	0.42	7.70	7.70	3162.	160.	0.01	1.28	66
376	30	18.07	18.07	0.	800.	0.00	1.05	7.70	7.70	2000.	125.	0.00	0.89	57
377	30	18.07	18.07	0.	903.	0.00	1.19	7.70	7.70	5266.	-3.	0.40	1.38	72
705	30	18.07	18.07	1272.	554.	0.00	0.89	7.70	7.70	943.	177.	0.00	0.78	47
707	30	18.07	18.07	155.	668.	0.00	0.90	7.70	7.70	552.	195.	0.00	0.74	48
709	30	18.07	18.07	0.	691.	0.00	0.91	7.70	7.70	0.	128.	0.00	0.40	49
713	30	18.07	18.07	1615.	515.	0.00	0.85	7.70	7.70	1067.	150.	0.00	0.73	45
715	30	18.07	18.07	2252.	417.	0.00	0.79	7.70	7.70	188.	61.	0.00	0.23	41
721	30	7.70	7.70	1727.	439.	0.00	1.80	7.70	7.70	43.	92.	0.00	0.30	96
725	30	7.70	7.70	952.	418.	0.00	1.54	7.70	7.70	241.	103.	0.00	0.38	82
727	30	7.70	7.70	1174.	420.	0.00	1.60	7.70	7.70	24.	87.	0.00	0.28	85
732	30	7.70	7.70	1287.	410.	0.00	1.60	7.70	7.70	0.	47.	0.00	0.15	85
847	30	18.07	18.07	2914.	454.	0.00	0.91	7.70	7.70	0.	162.	0.00	0.50	47
849	30	18.07	18.07	4128.	530.	0.00	1.14	7.70	7.70	1934.	154.	0.00	0.96	59
852	30	16.31	16.31	3912.	154.	0.03	0.69	7.70	7.70	3641.	100.	0.14	1.21	62
853	30	16.31	16.31	2965.	518.	0.00	1.11	7.70	7.70	3143.	105.	0.07	1.11	58
855	30	16.31	16.31	2489.	543.	0.00	1.09	7.70	7.70	4371.	131.	0.21	1.49	77
858	30	7.70	7.70	567.	401.	0.00	1.39	7.70	7.70	13.	121.	0.00	0.38	74

L'ARMATURA È OVUNQUE > DELLA QUANTITÀ RICHIESTA: IL PUNTO 2.3 DELLE NTC È VERIFICATO (Rd > Ed)

*** VERIFICHE A TAGLIO SECONDO NTC2018 (cap. 7.4.4.5.1) ***

Vrcd = compressione cls d'anima
Vrsd = trazione armatura trasversale
Vrd,s = scorrimento in zona dissipativa

Quota [cm]	Sezione [cm2]	Af long. [cm2]	Af trasv. [cm2]	Taglio [daN]	Vrcd [daN]	Vrsd [daN]	alfas	Vrd,s [daN]
20.0	32251	165.49	165.49	76147	916346	518039	-	-
60.0	32251	165.49	165.49	71256	915972	518039	-	-
100.0	32251	165.49	165.49	71256	915972	518039	-	-
140.0	32251	165.49	165.49	70558	915476	518039	-	-
180.0	32251	165.49	165.49	70558	915476	518039	-	-
220.0	32251	165.49	165.49	70558	915476	518039	-	-
260.0	32251	165.49	165.49	82427	915506	518039	-	-
300.0	32251	165.49	165.49	82427	915506	518039	-	-
340.0	32251	165.49	178.92	104786	913672	560088	-	-
380.0	36452	187.05	215.39	118437	1032700	674242	-	-
420.0	36452	187.05	201.22	146546	1030706	629884	-	-
460.0	36452	187.05	187.05	146546	1030706	585526	-	-
500.0	36452	187.05	187.05	120377	1028841	585526	-	-
540.0	36452	187.05	187.05	120377	1028841	585526	-	-
580.0	36452	187.05	187.05	108066	1029377	585526	-	-
620.0	36452	187.05	206.67	108066	1029377	646974	-	-
660.0	36452	187.05	223.99	108066	1029377	701192	-	-
700.0	34741	178.27	263.64	101656	980532	825284	-	-
740.0	32083	164.63	307.24	93127	906097	961778	-	-
780.0	27141	139.27	292.81	97235	765995	916616	-	-
820.0	21892	112.33	248.57	78471	617997	778122	-	-
860.0	16109	82.66	194.04	78048	454704	607423	-	-
900.0	12336	63.30	148.59	61729	348181	465161	-	-
940.0	7409	38.02	89.25	34479	209107	279393	-	-
969.5	2666	13.68	32.12	10235	75266	100535	-	-

MACROGUSCIO parete05

VERIFICA ARMATURE EFFETTIVE (EFFETTO MEMBRANA + PIASTRA)

CASI DI CARICO: ->

Nome	Descrizione
1	SLU
2	SLU VENTOX
3	SLU VENTOY
6	SLU con SISMAX PRINC
7	SLU con SISMAY PRINC
13	SLUEqu
14	SLUEqu VENTOX
15	SLUEqu VENTOY
23	valanga

DATI:

tensione di snervamento acciaio (fyk)	: 4500	daN/cm2
coefficiente sicurezza acciaio	: 1.15	
deformazione ultima acciaio	: 1.86	per mille
deformazione ultima cls	: 3.5	per mille
rapporto rottura/snervamento (k)	: 1	
resistenza cilindrica cls (fck)	: 249	daN/cm2
coefficiente sicurezza cls	: 1.5	
coefficiente riduttivo (alfa)	: 0.85	
copriferro inferiore (asse armatura)	: 3	cm
copriferro superiore (asse armatura)	: 3	cm
moltiplicatore sollecitazioni	: 1	

LEGENDA:

spess = spessore guscio. Verifica effettuata su sezione BxH, con B=1 cm e H="spess" cm
Af = area disposta al lembo teso, in cm2 al metro
Afc = area disposta al lembo compresso, in cm2 al metro
Mom = momento flettente [daNcm/cm]
Nor = sforzo normale [daN]
epsC = deformazione cls [per mille]
epsF = deformazione acciaio [per mille]

<-

L'armatura è sufficiente se le deformazioni dei materiali sono ovunque minori delle corrispondenti deformazioni ultime.

Per gli elementi non dissipativi la permanenza in campo elastico è ottenuta limitando la deformazione dell'acciaio alla deformazione di snervamento (1.86 per mille) e quella del calcestruzzo al 2 per mille.

		INFERIORE ORIZZONTALE						INFERIORE VERTICALE						COEF.
GUSCI	spess	Af	Afc	Mom	Nor	epsC	epsF	Af	Afc	Mom	Nor	epsC	epsF	MAX %
79	30	7.70	7.70	412.	-21.	0.04	0.10	7.70	7.70	1581.	-22.	0.12	0.38	20
80	30	7.70	7.70	242.	19.	0.01	0.12	7.70	7.70	1456.	-7.	0.11	0.36	18
81	30	7.70	7.70	278.	17.	0.02	0.12	7.70	7.70	60.	-93.	0.02	-0.02	6
82	30	7.70	7.70	166.	-8.	0.01	0.04	7.70	7.70	34.	-106.	0.03	-0.02	2
83	30	7.70	7.70	394.	140.	0.00	0.53	7.70	7.70	346.	47.	0.02	0.23	28
84	30	7.70	7.70	0.	87.	0.00	0.27	7.70	7.70	232.	23.	0.01	0.14	14
85	30	7.70	7.70	232.	268.	0.00	0.89	7.70	7.70	0.	155.	0.00	0.48	47
86	30	7.70	7.70	0.	269.	0.00	0.83	7.70	7.70	0.	155.	0.00	0.48	45
87	30	7.70	7.70	51.	44.	0.00	0.15	7.70	7.70	137.	-74.	0.03	-0.02	8
88	30	7.70	7.70	41.	47.	0.00	0.16	7.70	7.70	244.	-10.	0.02	0.06	8
89	30	7.70	7.70	0.	50.	0.00	0.15	7.70	7.70	718.	-40.	0.06	0.16	9
90	30	7.70	7.70	0.	41.	0.00	0.13	7.70	7.70	830.	-70.	0.08	0.17	10
91	30	7.70	7.70	115.	26.	0.00	0.11	7.70	7.70	428.	-48.	0.04	0.09	6
92	30	7.70	7.70	0.	53.	0.00	0.16	7.70	7.70	119.	-14.	0.01	0.07	9
93	30	7.70	7.70	0.	71.	0.00	0.22	7.70	7.70	0.	44.	0.00	0.13	12
94	30	7.70	7.70	0.	89.	0.00	0.27	7.70	7.70	0.	58.	0.00	0.18	15
95	30	7.70	7.70	0.	99.	0.00	0.31	7.70	7.70	0.	67.	0.00	0.21	17
96	30	7.70	7.70	0.	101.	0.00	0.31	7.70	7.70	0.	74.	0.00	0.23	17
97	30	7.70	7.70	143.	71.	0.00	0.26	7.70	7.70	0.	92.	0.00	0.29	15
98	30	7.70	7.70	0.	44.	0.00	0.14	7.70	7.70	0.	-117.	0.03	-0.03	7
99	30	7.70	7.70	0.	60.	0.00	0.18	7.70	7.70	0.	-27.	0.01	0.06	10
100	30	7.70	7.70	0.	49.	0.00	0.15	7.70	7.70	0.	20.	0.00	0.06	8
101	30	7.70	7.70	0.	31.	0.00	0.10	7.70	7.70	0.	-52.	0.01	-0.01	5
102	30	7.70	7.70	93.	20.	0.00	0.09	7.70	7.70	0.	-70.	0.02	-0.02	5
103	30	7.70	7.70	0.	50.	0.00	0.15	7.70	7.70	0.	-46.	0.01	0.03	8
104	30	7.70	7.70	0.	74.	0.00	0.23	7.70	7.70	0.	31.	0.00	0.10	12
105	30	7.70	7.70	0.	97.	0.00	0.30	7.70	7.70	0.	49.	0.00	0.15	16
106	30	7.70	7.70	0.	112.	0.00	0.35	7.70	7.70	0.	65.	0.00	0.20	19
107	30	7.70	7.70	0.	117.	0.00	0.36	7.70	7.70	0.	89.	0.00	0.28	19
108	30	7.70	7.70	381.	90.	0.00	0.37	7.70	7.70	0.	116.	0.00	0.36	19
109	30	7.70	7.70	0.	64.	0.00	0.20	7.70	7.70	0.	44.	0.00	0.14	11
110	30	7.70	7.70	0.	79.	0.00	0.24	7.70	7.70	0.	27.	0.00	0.08	13
111	30	7.70	7.70	0.	66.	0.00	0.20	7.70	7.70	0.	-15.	0.00	0.03	11
112	30	7.70	7.70	0.	73.	0.00	0.23	7.70	7.70	0.	-46.	0.01	-0.01	12
113	30	7.70	7.70	0.	74.	0.00	0.23	7.70	7.70	0.	-52.	0.01	-0.01	12
114	30	7.70	7.70	0.	77.	0.00	0.24	7.70	7.70	0.	-67.	0.01	-0.01	13
115	30	7.70	7.70	0.	59.	0.00	0.18	7.70	7.70	0.	-42.	0.01	0.05	10

116	30	7.70	7.70	0.	87.	0.00	0.27	7.70	7.70	0.	39.	0.00	0.12	15
117	30	7.70	7.70	0.	117.	0.00	0.36	7.70	7.70	0.	63.	0.00	0.20	19
118	30	7.70	7.70	0.	134.	0.00	0.42	7.70	7.70	0.	101.	0.00	0.31	22
119	30	7.70	7.70	519.	138.	0.00	0.56	7.70	7.70	0.	140.	0.00	0.43	29
120	30	7.70	7.70	363.	149.	0.00	0.55	7.70	7.70	0.	90.	0.00	0.28	29
121	30	7.70	7.70	313.	119.	0.00	0.45	7.70	7.70	0.	-28.	0.01	0.08	23
122	30	7.70	7.70	242.	118.	0.00	0.43	7.70	7.70	0.	-54.	0.01	-0.01	23
123	30	7.70	7.70	101.	112.	0.00	0.37	7.70	7.70	0.	-53.	0.01	-0.01	20
124	30	7.70	7.70	132.	103.	0.00	0.35	7.70	7.70	0.	-55.	0.01	-0.01	19
125	30	7.70	7.70	267.	108.	0.00	0.40	7.70	7.70	0.	-49.	0.01	-0.01	21
126	30	7.70	7.70	240.	105.	0.00	0.39	7.70	7.70	70.	-50.	0.02	-0.01	20
127	30	7.70	7.70	197.	104.	0.00	0.37	7.70	7.70	0.	-33.	0.01	0.09	20
128	30	7.70	7.70	0.	106.	0.00	0.33	7.70	7.70	0.	65.	0.00	0.20	18
129	30	7.70	7.70	0.	136.	0.00	0.42	7.70	7.70	0.	98.	0.00	0.30	23
130	30	7.70	7.70	133.	166.	0.00	0.55	7.70	7.70	0.	126.	0.00	0.39	29
131	30	7.70	7.70	1291.	251.	0.00	1.10	7.70	7.70	2154.	46.	0.06	0.89	58
132	30	7.70	7.70	979.	290.	0.00	1.14	7.70	7.70	1829.	217.	0.03	1.13	60
133	30	7.70	7.70	2719.	114.	0.00	1.11	7.70	7.70	2239.	122.	0.00	0.94	57
134	30	7.70	7.70	1495.	212.	0.00	1.09	7.70	7.70	2893.	182.	0.00	1.29	67
135	30	7.70	7.70	4260.	170.	0.18	1.59	7.70	7.70	3720.	77.	0.17	1.16	82
136	30	7.70	7.70	1409.	182.	0.00	0.91	7.70	7.70	4002.	80.	0.20	1.24	64
138	30	7.70	7.70	0.	382.	0.00	1.18	7.70	7.70	3482.	68.	0.16	1.08	63
139	30	7.70	7.70	847.	308.	0.00	1.17	7.70	7.70	3308.	121.	0.16	1.20	62
140	30	7.70	7.70	604.	261.	0.00	0.96	7.70	7.70	3660.	25.	0.24	1.03	52
141	30	7.70	7.70	450.	229.	0.00	0.82	7.70	7.70	3833.	30.	0.25	1.05	54
142	30	7.70	7.70	255.	193.	0.00	0.66	7.70	7.70	3916.	33.	0.25	1.08	55
143	30	7.70	7.70	383.	165.	0.00	0.60	7.70	7.70	3949.	25.	0.27	1.06	54
144	30	7.70	7.70	625.	120.	0.00	0.53	7.70	7.70	3846.	-2.	0.29	0.97	50
145	30	7.70	7.70	781.	110.	0.00	0.53	7.70	7.70	3648.	-12.	0.28	0.89	46
146	30	7.70	7.70	904.	111.	0.00	0.57	7.70	7.70	3224.	-9.	0.25	0.79	41
147	30	7.70	7.70	569.	112.	0.00	0.49	7.70	7.70	2324.	-3.	0.18	0.58	30
148	30	7.70	7.70	160.	133.	0.00	0.45	7.70	7.70	1670.	91.	0.00	0.70	36
149	30	7.70	7.70	115.	120.	0.00	0.40	7.70	7.70	1596.	129.	0.00	0.79	41
150	30	7.70	7.70	781.	308.	0.00	1.15	7.70	7.70	2845.	136.	0.02	1.13	61
151	30	7.70	7.70	542.	277.	0.00	1.04	7.70	7.70	2845.	81.	0.08	0.97	55
152	30	7.70	7.70	353.	246.	0.00	0.90	7.70	7.70	2908.	60.	0.11	0.91	48
153	30	7.70	7.70	0.	249.	0.00	0.77	7.70	7.70	2805.	61.	0.10	0.89	45
154	30	7.70	7.70	293.	177.	0.00	0.67	7.70	7.70	2875.	58.	0.12	0.90	46
155	30	7.70	7.70	444.	170.	0.00	0.64	7.70	7.70	2938.	40.	0.17	0.86	44
156	30	7.70	7.70	750.	121.	0.00	0.56	7.70	7.70	2821.	19.	0.21	0.76	39
157	30	7.70	7.70	955.	108.	0.00	0.57	7.70	7.70	2661.	-13.	0.21	0.65	33
158	30	7.70	7.70	1085.	71.	0.00	0.51	7.70	7.70	1376.	-7.	0.11	0.34	26
159	30	7.70	7.70	888.	50.	0.00	0.41	7.70	7.70	500.	112.	0.00	0.53	28
160	30	7.70	7.70	756.	10.	0.03	0.25	7.70	7.70	0.	201.	0.00	0.62	33
161	30	7.70	7.70	583.	309.	0.00	1.12	7.70	7.70	2498.	107.	0.00	0.95	59
162	30	7.70	7.70	305.	314.	0.00	1.08	7.70	7.70	2265.	96.	0.00	0.86	58
163	30	7.70	7.70	0.	333.	0.00	1.03	7.70	7.70	2113.	94.	0.00	0.82	55
164	30	7.70	7.70	0.	312.	0.00	0.97	7.70	7.70	1888.	94.	0.00	0.76	52
165	30	7.70	7.70	0.	280.	0.00	0.87	7.70	7.70	2008.	95.	0.00	0.79	47
166	30	7.70	7.70	322.	218.	0.00	0.79	7.70	7.70	2276.	85.	0.02	0.83	42
167	30	7.70	7.70	657.	193.	0.00	0.76	7.70	7.70	2331.	61.	0.08	0.78	40
168	30	7.70	7.70	1063.	129.	0.00	0.66	7.70	7.70	2255.	31.	0.15	0.66	34
169	30	7.70	7.70	1353.	61.	0.00	0.53	7.70	7.70	1387.	-10.	0.11	0.34	27
170	30	7.70	7.70	1549.	28.	0.05	0.47	7.70	7.70	0.	158.	0.00	0.49	26
171	30	7.70	7.70	1538.	7.	0.10	0.40	7.70	7.70	0.	237.	0.00	0.73	39
172	30	7.70	7.70	435.	335.	0.00	1.15	7.70	7.70	1867.	97.	0.00	0.76	61
173	30	7.70	7.70	83.	376.	0.00	1.18	7.70	7.70	1745.	97.	0.00	0.73	64
174	30	7.70	7.70	0.	385.	0.00	1.19	7.70	7.70	1474.	104.	0.00	0.69	64
175	30	7.70	7.70	0.	391.	0.00	1.21	7.70	7.70	1298.	123.	0.00	0.70	65
176	30	7.70	7.70	0.	365.	0.00	1.13	7.70	7.70	1371.	131.	0.00	0.75	61
177	30	7.70	7.70	174.	309.	0.00	1.05	7.70	7.70	1817.	128.	0.00	0.85	57
178	30	7.70	7.70	548.	301.	0.00	1.07	7.70	7.70	1891.	116.	0.00	0.83	57
179	30	7.70	7.70	989.	240.	0.00	0.99	7.70	7.70	1855.	95.	0.02	0.76	52
180	30	7.70	7.70	1471.	157.	0.00	0.85	7.70	7.70	1972.	34.	0.12	0.60	44
181	30	7.70	7.70	1930.	57.	0.05	0.66	7.70	7.70	894.	25.	0.00	0.34	34
182	30	7.70	7.70	2367.	31.	0.14	0.69	7.70	7.70	0.	260.	0.00	0.80	43
183	30	7.70	7.70	1049.	340.	0.00	1.37	7.70	7.70	2784.	234.	0.00	1.42	74
184	30	7.70	7.70	950.	353.	0.00	1.34	7.70	7.70	2978.	209.	0.03	1.39	72
185	30	7.70	7.70	1088.	283.	0.00	1.15	7.70	7.70	3019.	189.	0.00	1.34	69
186	30	7.70	7.70	981.	304.	0.00	1.19	7.70	7.70	2985.	178.	0.00	1.29	67
187	30	7.70	7.70	961.	231.	0.00	0.96	7.70	7.70	3382.	103.	0.10	1.16	60
188	30	7.70	7.70	772.	281.	0.00	1.07	7.70	7.70	2765.	113.	0.01	1.05	57
189	30	7.70	7.70	332.	375.	0.00	1.24	7.70	7.70	2300.	78.	0.01	0.82	67
190	30	7.70	7.70	467.	377.	0.00	1.29	7.70	7.70	2010.	92.	0.00	0.79	69
194	30	7.70	7.70	38.	408.	0.00	1.27	7.70	7.70	1186.	84.	0.00	0.55	68
195	30	7.70	7.70	0.	404.	0.00	1.25	7.70	7.70	1137.	90.	0.00	0.57	67
196	30	18.07	18.07	0.	488.	0.00	0.64	7.70	7.70	913.	143.	0.00	0.67	35
197	30	18.07	18.07	0.	494.	0.00	0.65	7.70	7.70	1018.	164.	0.00	0.76	40
198	30	18.07	18.07	0.	458.	0.00	0.60	7.70	7.70	1398.	160.	0.00	0.84	44
199	30	18.07	18.07	446.	435.	0.00	0.62	7.70	7.70	1488.	164.	0.00	0.88	46
200	30	18.07	18.07	841.	398.	0.00	0.61	7.70	7.70	1651.	155.	0.00	0.89	46
201	30	18.07	18.07	1292.	327.	0.00	0.57	7.70	7.70	1791.	123.	0.00	0.83	42
202	30	18.07	18.07	2014.	220.	0.01	0.51	7.70	7.70	744.	65.	0.00	0.39	26
203	30	18.07	18.07	3159.	82.	0.09	0.45	7.70	7.70	0.	265.	0.00	0.82	44

213	30	18.07	18.07	76.	508.	0.00	0.68	7.70	7.70	793.	182.	0.00	0.77	41
214	30	18.07	18.07	427.	548.	0.00	0.77	7.70	7.70	920.	197.	0.00	0.84	44
215	30	18.07	18.07	740.	588.	0.00	0.85	7.70	7.70	1131.	217.	0.00	0.96	50
216	30	18.07	18.07	1000.	589.	0.00	0.88	7.70	7.70	1478.	204.	0.00	1.00	52
217	30	18.07	18.07	1751.	513.	0.00	0.86	7.70	7.70	1970.	146.	0.00	0.94	49
218	30	18.07	18.07	3992.	317.	0.04	0.85	7.70	7.70	909.	133.	0.00	0.64	43
229	30	18.07	18.07	2616.	799.	0.00	1.34	7.70	7.70	2981.	136.	0.01	1.26	71
230	30	18.07	18.07	5398.	904.	0.00	1.78	7.70	7.70	5318.	-3.	0.41	1.56	94
816	30	7.70	7.70	356.	429.	0.00	1.42	7.70	7.70	1056.	108.	0.00	0.60	76
818	30	7.70	7.70	470.	416.	0.00	1.41	7.70	7.70	1011.	83.	0.00	0.51	75
823	30	7.70	7.70	237.	399.	0.00	1.30	7.70	7.70	680.	44.	0.00	0.31	69
826	30	18.07	18.07	496.	579.	0.00	0.82	7.70	7.70	472.	174.	0.00	0.67	44
828	30	18.07	18.07	732.	664.	0.00	0.95	7.70	7.70	450.	220.	0.00	0.79	51
830	30	18.07	18.07	1288.	724.	0.00	1.10	7.70	7.70	1228.	224.	0.00	1.00	58
834	30	18.07	18.07	175.	507.	0.00	0.69	7.70	7.70	505.	147.	0.00	0.58	37
836	30	7.70	7.70	0.	410.	0.00	1.27	7.70	7.70	974.	66.	0.00	0.45	68
844	30	7.70	7.70	30.	418.	0.00	1.30	7.70	7.70	1023.	87.	0.00	0.52	70
860	30	18.07	18.07	0.	577.	0.00	0.76	7.70	7.70	731.	196.	0.00	0.80	42
866	30	18.07	18.07	0.	538.	0.00	0.71	7.70	7.70	1848.	10.	0.12	0.71	38
867	30	16.31	16.31	4123.	159.	0.04	0.73	7.70	7.70	3579.	113.	0.11	1.24	64
868	30	16.31	16.31	76.	570.	0.00	0.84	7.70	7.70	3260.	113.	0.07	1.16	60
870	30	16.31	16.31	7850.	600.	0.17	1.82	7.70	7.70	4485.	154.	0.22	1.59	95
873	30	7.70	7.70	0.	453.	0.00	1.40	7.70	7.70	830.	143.	0.00	0.69	75

		SUPERIORE ORIZZONTALE						SUPERIORE VERTICALE						COEF.
GUSCI	spess	Af	Afc	Mom	Nor	epsC	epsF	Af	Afc	Mom	Nor	epsC	epsF	MAX %
79	30	7.70	7.70	34.	-21.	0.01	0.01	7.70	7.70	0.	-22.	0.00	0.02	1
80	30	7.70	7.70	0.	22.	0.00	0.07	7.70	7.70	0.	23.	0.00	0.07	4
81	30	7.70	7.70	71.	-13.	0.01	0.06	7.70	7.70	134.	-93.	0.03	0.02	3
82	30	7.70	7.70	124.	-8.	0.01	0.03	7.70	7.70	182.	-106.	0.04	0.03	3
83	30	7.70	7.70	0.	140.	0.00	0.43	7.70	7.70	225.	47.	0.03	0.20	23
84	30	7.70	7.70	263.	87.	0.00	0.33	7.70	7.70	271.	-58.	0.03	0.15	18
85	30	7.70	7.70	7.	268.	0.00	0.83	7.70	7.70	2268.	134.	0.00	0.98	50
86	30	7.70	7.70	354.	269.	0.00	0.92	7.70	7.70	2336.	143.	0.00	1.03	53
87	30	7.70	7.70	95.	44.	0.00	0.16	7.70	7.70	332.	-99.	0.05	0.06	8
88	30	7.70	7.70	145.	50.	0.00	0.19	7.70	7.70	353.	19.	0.02	0.15	10
89	30	7.70	7.70	155.	48.	0.00	0.19	7.70	7.70	462.	6.	0.03	0.13	10
90	30	7.70	7.70	113.	41.	0.00	0.16	7.70	7.70	524.	-66.	0.05	0.12	8
91	30	7.70	7.70	63.	27.	0.00	0.10	7.70	7.70	588.	-67.	0.06	0.16	9
92	30	7.70	7.70	115.	52.	0.00	0.19	7.70	7.70	842.	22.	0.06	0.28	14
93	30	7.70	7.70	181.	70.	0.00	0.26	7.70	7.70	985.	44.	0.00	0.38	19
94	30	7.70	7.70	236.	88.	0.00	0.33	7.70	7.70	1098.	58.	0.00	0.45	23
95	30	7.70	7.70	268.	99.	0.00	0.37	7.70	7.70	1142.	67.	0.00	0.49	25
96	30	7.70	7.70	272.	101.	0.00	0.38	7.70	7.70	1221.	73.	0.00	0.53	27
97	30	7.70	7.70	146.	77.	0.00	0.28	7.70	7.70	1301.	84.	0.00	0.58	30
98	30	7.70	7.70	194.	44.	0.00	0.18	7.70	7.70	869.	-117.	0.09	0.18	10
99	30	7.70	7.70	229.	60.	0.00	0.24	7.70	7.70	845.	-27.	0.07	0.28	14
100	30	7.70	7.70	211.	49.	0.00	0.20	7.70	7.70	963.	3.	0.07	0.27	14
101	30	7.70	7.70	190.	25.	0.00	0.13	7.70	7.70	999.	-39.	0.08	0.23	12
102	30	7.70	7.70	146.	26.	0.00	0.12	7.70	7.70	999.	-68.	0.09	0.21	12
103	30	7.70	7.70	128.	50.	0.00	0.19	7.70	7.70	918.	-46.	0.08	0.25	13
104	30	7.70	7.70	194.	74.	0.00	0.28	7.70	7.70	892.	31.	0.02	0.32	16
105	30	7.70	7.70	265.	95.	0.00	0.36	7.70	7.70	856.	49.	0.00	0.36	19
106	30	7.70	7.70	248.	112.	0.00	0.41	7.70	7.70	829.	54.	0.00	0.39	22
107	30	7.70	7.70	230.	109.	0.00	0.40	7.70	7.70	707.	74.	0.00	0.42	22
108	30	7.70	7.70	0.	96.	0.00	0.30	7.70	7.70	492.	105.	0.00	0.46	24
109	30	7.70	7.70	185.	64.	0.00	0.24	7.70	7.70	1382.	44.	0.01	0.48	24
110	30	7.70	7.70	250.	64.	0.00	0.28	7.70	7.70	1411.	24.	0.06	0.43	22
111	30	7.70	7.70	100.	66.	0.00	0.23	7.70	7.70	1401.	-15.	0.11	0.38	19
112	30	7.70	7.70	105.	73.	0.00	0.25	7.70	7.70	1462.	-36.	0.12	0.34	18
113	30	7.70	7.70	123.	74.	0.00	0.26	7.70	7.70	1441.	-51.	0.12	0.32	17
114	30	7.70	7.70	137.	77.	0.00	0.27	7.70	7.70	1378.	-67.	0.12	0.30	16
115	30	7.70	7.70	265.	59.	0.00	0.25	7.70	7.70	1276.	-42.	0.11	0.35	18
116	30	7.70	7.70	309.	87.	0.00	0.35	7.70	7.70	1184.	35.	0.02	0.40	20
117	30	7.70	7.70	260.	117.	0.00	0.43	7.70	7.70	990.	60.	0.00	0.43	22
118	30	7.70	7.70	368.	134.	0.00	0.51	7.70	7.70	774.	94.	0.00	0.48	27
119	30	7.70	7.70	0.	151.	0.00	0.47	7.70	7.70	545.	136.	0.00	0.56	29
120	30	7.70	7.70	299.	149.	0.00	0.54	7.70	7.70	2126.	87.	0.02	0.80	41
121	30	7.70	7.70	213.	103.	0.00	0.37	7.70	7.70	2357.	-28.	0.19	0.60	31
122	30	7.70	7.70	0.	118.	0.00	0.37	7.70	7.70	2781.	-54.	0.22	0.63	33
123	30	7.70	7.70	107.	93.	0.00	0.35	7.70	7.70	2877.	-44.	0.23	0.67	34
124	30	7.70	7.70	107.	88.	0.00	0.32	7.70	7.70	2818.	-55.	0.23	0.64	33
125	30	7.70	7.70	169.	99.	0.00	0.35	7.70	7.70	2795.	-33.	0.22	0.66	34
126	30	7.70	7.70	234.	97.	0.00	0.36	7.70	7.70	2577.	-62.	0.21	0.58	30
127	30	7.70	7.70	298.	104.	0.00	0.40	7.70	7.70	2038.	8.	0.15	0.54	27
128	30	7.70	7.70	512.	78.	0.00	0.42	7.70	7.70	1675.	59.	0.02	0.60	31
129	30	7.70	7.70	442.	136.	0.00	0.53	7.70	7.70	1450.	91.	0.00	0.64	33
130	30	7.70	7.70	243.	137.	0.00	0.52	7.70	7.70	1780.	110.	0.00	0.78	40
131	30	7.70	7.70	572.	251.	0.00	0.92	7.70	7.70	1269.	180.	0.00	0.87	49
132	30	7.70	7.70	703.	304.	0.00	1.12	7.70	7.70	1045.	217.	0.00	0.93	59
133	30	7.70	7.70	3312.	114.	0.08	1.18	7.70	7.70	2848.	122.	0.04	1.09	60
134	30	7.70	7.70	688.	166.	0.00	0.77	7.70	7.70	2906.	166.	0.00	1.25	65
135	30	7.70	7.70	4248.	114.	0.20	1.41	7.70	7.70	4923.	121.	0.31	1.60	82
136	30	7.70	7.70	818.	167.	0.00	0.76	7.70	7.70	4343.	115.	0.21	1.44	74

138	30	7.70	7.70	549.	382.	0.00	1.32	7.70	7.70	3404.	68.	0.15	1.06	70
139	30	7.70	7.70	41.	308.	0.00	0.96	7.70	7.70	1947.	121.	0.03	0.86	52
140	30	7.70	7.70	0.	261.	0.00	0.81	7.70	7.70	2514.	41.	0.15	0.75	43
141	30	7.70	7.70	0.	229.	0.00	0.71	7.70	7.70	2763.	30.	0.15	0.78	40
142	30	7.70	7.70	0.	193.	0.00	0.60	7.70	7.70	2605.	33.	0.13	0.75	38
143	30	7.70	7.70	0.	165.	0.00	0.51	7.70	7.70	2264.	25.	0.13	0.65	33
144	30	7.70	7.70	0.	120.	0.00	0.37	7.70	7.70	2119.	7.	0.16	0.55	28
145	30	7.70	7.70	0.	111.	0.00	0.34	7.70	7.70	1760.	-12.	0.14	0.43	22
146	30	7.70	7.70	166.	111.	0.00	0.39	7.70	7.70	1307.	-9.	0.10	0.32	20
147	30	7.70	7.70	206.	113.	0.00	0.40	7.70	7.70	647.	50.	0.07	0.32	21
148	30	7.70	7.70	135.	125.	0.00	0.43	7.70	7.70	521.	103.	0.00	0.45	23
149	30	7.70	7.70	496.	96.	0.00	0.43	7.70	7.70	237.	151.	0.00	0.53	28
150	30	7.70	7.70	475.	306.	0.00	1.07	7.70	7.70	2316.	136.	0.00	1.00	57
151	30	7.70	7.70	396.	303.	0.00	1.04	7.70	7.70	2098.	91.	0.00	0.80	55
152	30	7.70	7.70	327.	280.	0.00	0.95	7.70	7.70	1919.	66.	0.01	0.68	50
153	30	7.70	7.70	274.	249.	0.00	0.84	7.70	7.70	1557.	61.	0.00	0.58	45
154	30	7.70	7.70	266.	213.	0.00	0.72	7.70	7.70	1620.	58.	0.00	0.58	39
155	30	7.70	7.70	290.	170.	0.00	0.60	7.70	7.70	1681.	40.	0.06	0.55	32
156	30	7.70	7.70	254.	121.	0.00	0.44	7.70	7.70	1657.	19.	0.12	0.47	24
157	30	7.70	7.70	160.	89.	0.00	0.33	7.70	7.70	1551.	-13.	0.12	0.38	19
158	30	7.70	7.70	74.	86.	0.00	0.31	7.70	7.70	1243.	43.	0.11	0.44	22
159	30	7.70	7.70	298.	103.	0.00	0.39	7.70	7.70	1075.	115.	0.00	0.70	36
160	30	7.70	7.70	1578.	10.	0.10	0.42	7.70	7.70	789.	197.	0.00	0.81	42
161	30	7.70	7.70	861.	320.	0.00	1.21	7.70	7.70	2122.	107.	0.00	0.86	64
162	30	7.70	7.70	852.	336.	0.00	1.26	7.70	7.70	1710.	96.	0.00	0.72	67
163	30	7.70	7.70	877.	333.	0.00	1.25	7.70	7.70	0.	94.	0.00	0.29	66
164	30	7.70	7.70	841.	312.	0.00	1.18	7.70	7.70	0.	94.	0.00	0.29	63
165	30	7.70	7.70	841.	280.	0.00	1.08	7.70	7.70	0.	97.	0.00	0.30	57
166	30	7.70	7.70	900.	240.	0.00	0.97	7.70	7.70	1481.	73.	0.00	0.59	51
167	30	7.70	7.70	897.	193.	0.00	0.82	7.70	7.70	1652.	61.	0.02	0.61	43
168	30	7.70	7.70	758.	129.	0.00	0.59	7.70	7.70	1678.	31.	0.13	0.51	31
169	30	7.70	7.70	474.	61.	0.00	0.31	7.70	7.70	1677.	-10.	0.13	0.48	24
170	30	7.70	7.70	924.	39.	0.00	0.35	7.70	7.70	1286.	158.	0.00	0.81	42
171	30	7.70	7.70	2221.	7.	0.15	0.57	7.70	7.70	1117.	226.	0.00	0.98	51
172	30	7.70	7.70	965.	335.	0.00	1.29	7.70	7.70	1426.	91.	0.00	0.64	68
173	30	7.70	7.70	1343.	376.	0.00	1.51	7.70	7.70	0.	97.	0.00	0.30	80
174	30	7.70	7.70	1577.	385.	0.00	1.60	7.70	7.70	0.	112.	0.00	0.35	85
175	30	7.70	7.70	1618.	391.	0.00	1.62	7.70	7.70	0.	124.	0.00	0.38	86
176	30	7.70	7.70	1775.	365.	0.00	1.59	7.70	7.70	0.	131.	0.00	0.41	84
177	30	7.70	7.70	1807.	339.	0.00	1.51	7.70	7.70	0.	128.	0.00	0.40	80
178	30	7.70	7.70	1385.	301.	0.00	1.28	7.70	7.70	134.	102.	0.00	0.36	68
179	30	7.70	7.70	1003.	240.	0.00	1.00	7.70	7.70	1594.	55.	0.00	0.57	52
180	30	7.70	7.70	497.	157.	0.00	0.61	7.70	7.70	1697.	34.	0.13	0.53	32
181	30	7.70	7.70	998.	57.	0.00	0.43	7.70	7.70	1717.	102.	0.08	0.75	38
182	30	7.70	7.70	2974.	31.	0.17	0.84	7.70	7.70	1523.	237.	0.00	1.13	59
183	30	7.70	7.70	503.	351.	0.00	1.21	7.70	7.70	1318.	246.	0.00	1.09	65
184	30	7.70	7.70	158.	338.	0.00	1.09	7.70	7.70	1878.	173.	0.00	1.00	59
185	30	7.70	7.70	765.	254.	0.00	0.98	7.70	7.70	2770.	189.	0.00	1.28	66
186	30	7.70	7.70	496.	288.	0.00	1.02	7.70	7.70	2536.	178.	0.00	1.18	61
187	30	7.70	7.70	901.	248.	0.00	0.99	7.70	7.70	3344.	103.	0.10	1.15	59
188	30	7.70	7.70	819.	297.	0.00	1.13	7.70	7.70	2538.	113.	0.00	0.98	60
189	30	7.70	7.70	675.	375.	0.00	1.33	7.70	7.70	2220.	78.	0.00	0.80	71
190	30	7.70	7.70	1001.	377.	0.00	1.43	7.70	7.70	1823.	92.	0.00	0.74	76
194	30	7.70	7.70	1537.	408.	0.00	1.66	7.70	7.70	188.	84.	0.00	0.31	88
195	30	7.70	7.70	2040.	402.	0.00	1.77	7.70	7.70	184.	98.	0.00	0.35	93
196	30	18.07	18.07	2412.	478.	0.00	0.89	7.70	7.70	0.	151.	0.00	0.47	46
197	30	18.07	18.07	3407.	494.	0.00	1.02	7.70	7.70	277.	153.	0.00	0.54	53
198	30	18.07	18.07	2177.	458.	0.00	0.84	7.70	7.70	770.	141.	0.00	0.63	43
199	30	18.07	18.07	1436.	435.	0.00	0.73	7.70	7.70	672.	155.	0.00	0.65	38
200	30	18.07	18.07	839.	398.	0.00	0.61	7.70	7.70	455.	156.	0.00	0.60	32
201	30	18.07	18.07	504.	249.	0.00	0.43	7.70	7.70	827.	74.	0.00	0.44	23
202	30	18.07	18.07	0.	220.	0.00	0.29	7.70	7.70	2035.	110.	0.04	0.85	44
203	30	18.07	18.07	3259.	45.	0.11	0.41	7.70	7.70	1891.	265.	0.00	1.30	68
213	30	18.07	18.07	2239.	491.	0.00	0.89	7.70	7.70	2089.	115.	0.00	0.95	50
214	30	18.07	18.07	1419.	508.	0.00	0.85	7.70	7.70	1092.	185.	0.00	0.84	45
215	30	18.07	18.07	379.	588.	0.00	0.81	7.70	7.70	455.	206.	0.00	0.75	43
216	30	18.07	18.07	0.	589.	0.00	0.78	7.70	7.70	0.	205.	0.00	0.64	42
217	30	18.07	18.07	0.	513.	0.00	0.68	7.70	7.70	2362.	92.	0.00	0.87	45
218	30	18.07	18.07	1474.	184.	0.00	0.42	7.70	7.70	2831.	191.	0.00	1.30	67
229	30	18.07	18.07	0.	799.	0.00	1.05	7.70	7.70	2017.	136.	0.00	0.92	57
230	30	18.07	18.07	0.	904.	0.00	1.19	7.70	7.70	5291.	-3.	0.40	1.44	74
816	30	7.70	7.70	674.	429.	0.00	1.50	7.70	7.70	198.	98.	0.00	0.40	80
818	30	7.70	7.70	1056.	407.	0.00	1.55	7.70	7.70	0.	83.	0.00	0.26	82
823	30	7.70	7.70	1125.	399.	0.00	1.52	7.70	7.70	0.	44.	0.00	0.14	81
826	30	18.07	18.07	1337.	548.	0.00	0.89	7.70	7.70	1022.	174.	0.00	0.79	47
828	30	18.07	18.07	549.	596.	0.00	0.89	7.70	7.70	521.	197.	0.00	0.76	48
830	30	18.07	18.07	0.	740.	0.00	0.97	7.70	7.70	0.	251.	0.00	0.78	52
834	30	18.07	18.07	1822.	507.	0.00	0.86	7.70	7.70	1230.	147.	0.00	0.76	45
836	30	7.70	7.70	2176.	398.	0.00	1.79	7.70	7.70	890.	67.	0.00	0.43	95
844	30	7.70	7.70	1564.	418.	0.00	1.69	7.70	7.70	408.	87.	0.00	0.37	90
860	30	18.07	18.07	4023.	566.	0.00	1.18	7.70	7.70	2483.	88.	0.02	0.89	61
866	30	18.07	18.07	2982.	531.	0.00	1.02	7.70	7.70	905.	136.	0.06	0.64	53
867	30	16.31	16.31	4090.	159.	0.04	0.72	7.70	7.70	3457.	113.	0.10	1.21	62
868	30	16.31	16.31	3445.	570.	0.00	1.24	7.70	7.70	2840.	113.	0.02	1.06	65

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870  |  30 |16.31 16.31    2354.     600.  0.00  1.16 | 7.70  7.70    3947.     154.  0.13  1.46 |  75 |
873  |  30 | 7.70  7.70     458.     453.  0.00  1.52 | 7.70  7.70       0.     176.  0.00  0.54 |  81 |

L'ARMATURA È OVUNQUE > DELLA QUANTITÀ RICHIESTA: IL PUNTO 2.3 DELLE NTC È VERIFICATO (Rd > Ed)


          *** VERIFICHE A TAGLIO SECONDO NTC2018 (cap. 7.4.4.5.1) ***

Vrcd  = compressione cls d'anima
Vrsd  = trazione armatura trasversale
Vrd,s = scorrimento in zona dissipativa
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Quota [cm]	Sezione [cm2]	Af long. [cm2]	Af trasv. [cm2]	Taglio [daN]	Vrcd [daN]	Vrsd [daN]	alfas	Vrd,s [daN]
20.0	32251	165.49	165.49	75576	917772	518039	-	-
60.0	32251	165.49	165.49	69815	917391	518039	-	-
100.0	32251	165.49	165.49	69815	917391	518039	-	-
140.0	32251	165.49	165.49	75036	916973	518039	-	-
180.0	32251	165.49	165.49	75036	916973	518039	-	-
220.0	32251	165.49	165.49	75036	916973	518039	-	-
260.0	32251	165.49	165.49	83340	917137	518039	-	-
300.0	32251	165.49	165.49	83340	917137	518039	-	-
340.0	32251	165.49	165.49	89189	914530	518039	-	-
380.0	36452	187.05	187.05	100808	1033669	585526	-	-
420.0	36452	187.05	187.05	139388	1030138	585526	-	-
460.0	36452	187.05	187.05	139388	1030138	585526	-	-
500.0	36452	187.05	187.05	121446	1028864	585526	-	-
540.0	36452	187.05	187.05	121446	1028864	585526	-	-
580.0	36452	187.05	187.05	106395	1028950	585526	-	-
620.0	36452	187.05	206.67	106395	1028950	646974	-	-
660.0	36452	187.05	223.99	106395	1028950	701192	-	-
700.0	34741	178.27	255.63	124694	980775	800218	-	-
740.0	32083	164.63	291.39	114329	906088	912175	-	-
780.0	27141	139.27	275.75	121287	765953	863210	-	-
820.0	21892	112.33	233.43	101135	617922	730736	-	-
860.0	16109	82.66	194.04	110039	454687	607423	-	-
900.0	12336	63.30	148.59	89125	348171	465161	-	-
940.0	7409	38.02	89.25	63450	209101	279393	-	-
969.5	2666	13.68	32.12	23671	75282	100535	-	-

MACROGUSCIO parete06

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VERIFICA ARMATURE EFFETTIVE (EFFETTO MEMBRANA + PIASTRA)

CASI DI CARICO: ->
    Nome  Descrizione
    1     SLU
    2     SLU VENTOX
    3     SLU VENTOY
    6     SLU con SISMAX PRINC
    7     SLU con SISMAY PRINC
    13    SLUEqu
    14    SLUEqu VENTOX
    15    SLUEqu VENTOY
    23    valanga

DATI:
   tensione di snervamento acciaio (fyk): 4500    daN/cm2
   coefficiente sicurezza acciaio       : 1.15
   deformazione ultima acciaio          : 1.86    per mille
   deformazione ultima cls              :  3.5    per mille
   rapporto rottura/snervamento      (k): 1
   resistenza cilindrica cls       (fck): 249     daN/cm2
   coefficiente sicurezza cls           : 1.5
   coefficiente riduttivo         (alfa): 0.85
   copriferro inferiore  (asse armatura):  3      cm
   copriferro superiore  (asse armatura):  3      cm
   moltiplicatore sollecitazioni        :  1

LEGENDA:
   spess = spessore guscio. Verifica effettuata su sezione BxH, con B=1 cm e H="spess" cm
   Af    = area disposta al lembo teso, in cm2 al metro
   Afc   = area disposta al lembo compresso, in cm2 al metro
   Mom   = momento flettente [daNcm/cm]
   Nor   = sforzo normale [daN]
   epsC  = deformazione cls [per mille]
   epsF  = deformazione acciaio [per mille]
<-
   L'armatura è sufficiente se le deformazioni dei materiali sono ovunque minori delle
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corrispondenti deformazioni ultime.

Per gli elementi non dissipativi la permanenza in campo elastico è ottenuta limitando la deformazione dell'acciaio alla deformazione di snervamento (1.86 per mille) e quella del calcestruzzo al 2 per mille.

		INFERIORE ORIZZONTALE						INFERIORE VERTICALE						COEF.
GUSCI	spess	Af	Afc	Mom	Nor	epsC	epsF	Af	Afc	Mom	Nor	epsC	epsF	MAX %
380	30	7.70	7.70	247.	54.	0.00	0.23	7.70	7.70	1056.	18.	0.03	0.32	16
381	30	7.70	7.70	398.	73.	0.00	0.34	7.70	7.70	1422.	63.	0.00	0.55	28
382	30	7.70	7.70	411.	81.	0.00	0.35	7.70	7.70	1502.	61.	0.00	0.56	29
383	30	7.70	7.70	265.	85.	0.00	0.33	7.70	7.70	1551.	55.	0.00	0.56	28
384	30	7.70	7.70	260.	92.	0.00	0.35	7.70	7.70	1674.	48.	0.02	0.57	29
385	30	7.70	7.70	269.	95.	0.00	0.36	7.70	7.70	1897.	48.	0.03	0.62	32
386	30	7.70	7.70	266.	101.	0.00	0.38	7.70	7.70	2202.	41.	0.08	0.68	35
387	30	7.70	7.70	485.	99.	0.00	0.43	7.70	7.70	2473.	41.	0.11	0.74	38
388	30	7.70	7.70	397.	82.	0.00	0.38	7.70	7.70	2555.	42.	0.11	0.77	39
389	30	7.70	7.70	368.	96.	0.00	0.39	7.70	7.70	2520.	39.	0.11	0.75	38
390	30	7.70	7.70	496.	106.	0.00	0.46	7.70	7.70	2407.	41.	0.10	0.73	37
391	30	7.70	7.70	606.	110.	0.00	0.49	7.70	7.70	2184.	38.	0.08	0.66	34
392	30	7.70	7.70	756.	112.	0.00	0.54	7.70	7.70	1657.	31.	0.05	0.51	28
393	30	7.70	7.70	839.	118.	0.00	0.57	7.70	7.70	940.	33.	0.07	0.34	30
394	30	7.70	7.70	667.	65.	0.00	0.37	7.70	7.70	722.	26.	0.05	0.26	19
395	30	7.70	7.70	320.	50.	0.00	0.23	7.70	7.70	1210.	56.	0.00	0.47	24
396	30	7.70	7.70	631.	14.	0.01	0.25	7.70	7.70	2694.	70.	0.07	0.89	45
397	30	7.70	7.70	245.	80.	0.00	0.31	7.70	7.70	3363.	71.	0.14	1.06	54
398	30	7.70	7.70	613.	82.	0.00	0.41	7.70	7.70	3239.	91.	0.10	1.09	56
399	30	7.70	7.70	501.	60.	0.00	0.31	7.70	7.70	2603.	31.	0.14	0.74	38
400	30	7.70	7.70	528.	58.	0.03	0.31	7.70	7.70	682.	17.	0.01	0.22	16
401	30	7.70	7.70	1056.	33.	0.02	0.36	7.70	7.70	771.	14.	0.02	0.24	19
402	30	7.70	7.70	1446.	72.	0.00	0.58	7.70	7.70	1355.	10.	0.08	0.37	30
405	30	7.70	7.70	660.	62.	0.00	0.36	7.70	7.70	1110.	59.	0.00	0.46	23
406	30	7.70	7.70	1064.	75.	0.00	0.50	7.70	7.70	910.	45.	0.00	0.37	25
407	30	7.70	7.70	1464.	98.	0.00	0.70	7.70	7.70	1201.	25.	0.05	0.38	36
408	30	7.70	7.70	1425.	144.	0.00	0.80	7.70	7.70	1147.	15.	0.05	0.33	41
410	30	7.70	7.70	461.	85.	0.00	0.38	7.70	7.70	1200.	63.	0.00	0.49	25
411	30	7.70	7.70	446.	98.	0.00	0.41	7.70	7.70	932.	54.	0.00	0.40	22
412	30	7.70	7.70	141.	133.	0.00	0.44	7.70	7.70	1007.	30.	0.00	0.34	24
413	30	7.70	7.70	0.	175.	0.00	0.54	7.70	7.70	912.	25.	0.01	0.31	29
415	30	7.70	7.70	193.	104.	0.00	0.37	7.70	7.70	1098.	60.	0.00	0.46	23
416	30	7.70	7.70	292.	125.	0.00	0.46	7.70	7.70	827.	54.	0.00	0.37	24
417	30	7.70	7.70	413.	153.	0.00	0.58	7.70	7.70	740.	42.	0.00	0.32	30
418	30	7.70	7.70	312.	182.	0.00	0.64	7.70	7.70	700.	30.	0.00	0.27	34
420	30	7.70	7.70	229.	115.	0.00	0.41	7.70	7.70	1083.	57.	0.00	0.45	23
421	30	7.70	7.70	243.	139.	0.00	0.49	7.70	7.70	593.	58.	0.00	0.33	26
422	30	7.70	7.70	256.	163.	0.00	0.57	7.70	7.70	668.	40.	0.00	0.29	30
423	30	7.70	7.70	147.	194.	0.00	0.64	7.70	7.70	602.	31.	0.00	0.25	34
425	30	7.70	7.70	213.	123.	0.00	0.43	7.70	7.70	1213.	55.	0.00	0.47	24
426	30	7.70	7.70	243.	150.	0.00	0.52	7.70	7.70	686.	53.	0.00	0.34	28
427	30	7.70	7.70	279.	177.	0.00	0.62	7.70	7.70	908.	38.	0.00	0.34	33
428	30	7.70	7.70	220.	195.	0.00	0.67	7.70	7.70	771.	32.	0.00	0.29	36
430	30	7.70	7.70	174.	130.	0.00	0.45	7.70	7.70	1362.	54.	0.00	0.51	26
431	30	7.70	7.70	222.	159.	0.00	0.55	7.70	7.70	876.	46.	0.00	0.37	29
432	30	7.70	7.70	295.	187.	0.00	0.65	7.70	7.70	1213.	45.	0.00	0.44	35
433	30	7.70	7.70	376.	193.	0.00	0.70	7.70	7.70	1204.	31.	0.01	0.39	37
435	30	7.70	7.70	456.	138.	0.00	0.54	7.70	7.70	1671.	52.	0.02	0.58	29
436	30	7.70	7.70	527.	141.	0.00	0.57	7.70	7.70	981.	55.	0.00	0.41	30
437	30	7.70	7.70	920.	133.	0.00	0.64	7.70	7.70	1566.	47.	0.01	0.53	33
438	30	7.70	7.70	1234.	133.	0.00	0.74	7.70	7.70	1666.	25.	0.07	0.49	38
439	30	7.70	7.70	1313.	142.	0.00	0.80	7.70	7.70	1150.	32.	0.02	0.39	42
440	30	7.70	7.70	293.	119.	0.00	0.44	7.70	7.70	1599.	46.	0.01	0.54	28
441	30	7.70	7.70	500.	133.	0.00	0.53	7.70	7.70	898.	51.	0.00	0.38	28
442	30	7.70	7.70	574.	138.	0.00	0.59	7.70	7.70	1720.	42.	0.04	0.56	32
443	30	7.70	7.70	0.	236.	0.00	0.73	7.70	7.70	1757.	23.	0.08	0.51	39
444	30	7.70	7.70	305.	237.	0.00	0.81	7.70	7.70	1094.	16.	0.04	0.32	43
445	30	7.70	7.70	301.	111.	0.00	0.46	7.70	7.70	1717.	43.	0.04	0.56	29
446	30	7.70	7.70	0.	174.	0.00	0.54	7.70	7.70	1216.	32.	0.01	0.41	29
447	30	7.70	7.70	0.	217.	0.00	0.67	7.70	7.70	1611.	29.	0.05	0.49	36
448	30	7.70	7.70	0.	247.	0.00	0.76	7.70	7.70	1532.	16.	0.08	0.43	41
449	30	7.70	7.70	0.	277.	0.00	0.86	7.70	7.70	779.	12.	0.03	0.23	46
450	30	7.70	7.70	447.	121.	0.00	0.52	7.70	7.70	1826.	40.	0.06	0.58	29
451	30	7.70	7.70	158.	161.	0.00	0.57	7.70	7.70	1472.	33.	0.03	0.47	31
452	30	7.70	7.70	0.	228.	0.00	0.71	7.70	7.70	1421.	45.	0.00	0.49	38
453	30	7.70	7.70	0.	280.	0.00	0.87	7.70	7.70	1390.	24.	0.06	0.42	47
454	30	7.70	15.40	0.	344.	0.00	1.06	7.70	7.70	709.	35.	0.00	0.29	38
455	30	7.70	7.70	560.	144.	0.00	0.59	7.70	7.70	1884.	34.	0.06	0.58	31
456	30	7.70	7.70	459.	177.	0.00	0.66	7.70	7.70	1750.	34.	0.05	0.54	35
457	30	7.70	7.70	317.	208.	0.00	0.72	7.70	7.70	1801.	49.	0.02	0.61	38
458	30	7.70	7.70	0.	277.	0.00	0.86	7.70	7.70	1797.	33.	0.06	0.55	46
459	30	7.70	7.70	0.	301.	0.00	0.93	7.70	7.70	1235.	44.	0.00	0.44	50
460	30	7.70	7.70	921.	160.	0.00	0.72	7.70	7.70	1836.	37.	0.06	0.57	38
461	30	7.70	7.70	997.	196.	0.00	0.86	7.70	7.70	1998.	35.	0.07	0.61	45
462	30	7.70	7.70	720.	242.	0.00	0.93	7.70	7.70	1814.	53.	0.02	0.62	49
463	30	7.70	7.70	541.	261.	0.00	0.94	7.70	7.70	1855.	39.	0.05	0.58	50

464	30	7.70	7.70	632.	241.	0.00	0.90	7.70	7.70	1216.	39.	0.00	0.42	48
465	30	7.70	7.70	1435.	167.	0.00	0.87	7.70	7.70	1554.	37.	0.04	0.50	45
466	30	7.70	7.70	1826.	207.	0.00	1.12	7.70	7.70	2011.	38.	0.08	0.62	58
467	30	7.70	7.70	1931.	253.	0.00	1.27	7.70	7.70	2513.	39.	0.11	0.75	66
468	30	7.70	7.70	1576.	278.	0.00	1.26	7.70	7.70	1897.	32.	0.10	0.57	66
469	30	7.70	7.70	1330.	295.	0.00	1.25	7.70	7.70	1138.	34.	0.00	0.39	66
470	30	7.70	7.70	1524.	164.	0.00	0.89	7.70	7.70	957.	31.	0.05	0.33	46
471	30	7.70	7.70	2720.	231.	0.00	1.40	7.70	7.70	1622.	44.	0.02	0.54	73
472	30	7.70	7.70	3558.	286.	0.08	1.79	7.70	7.70	2952.	46.	0.14	0.88	93
473	30	7.70	7.70	3525.	288.	0.08	1.78	7.70	7.70	2841.	-9.	0.22	0.70	93
474	30	7.70	7.70	2612.	285.	0.00	1.55	7.70	7.70	1134.	36.	0.00	0.39	81
475	30	7.70	7.70	821.	153.	0.00	0.68	7.70	7.70	361.	53.	0.03	0.25	35
476	30	7.70	7.70	1589.	220.	0.00	1.08	7.70	7.70	578.	59.	0.00	0.33	56
477	30	7.70	7.70	2802.	244.	0.00	1.46	7.70	7.70	2083.	69.	0.01	0.73	76
478	30	7.70	7.70	3592.	243.	0.06	1.66	7.70	7.70	3168.	-23.	0.25	0.76	86
479	30	7.70	7.70	2799.	268.	0.00	1.54	7.70	7.70	1700.	33.	0.05	0.53	80
480	30	7.70	7.70	482.	149.	0.00	0.58	7.70	7.70	694.	47.	0.03	0.32	31
481	30	7.70	7.70	480.	183.	0.00	0.69	7.70	7.70	573.	62.	0.00	0.34	37
482	30	7.70	7.70	345.	209.	0.00	0.73	7.70	7.70	771.	79.	0.00	0.44	39
483	30	7.70	7.70	1021.	205.	0.00	0.89	7.70	7.70	3066.	1.	0.23	0.77	47
484	30	7.70	7.70	1375.	270.	0.00	1.18	7.70	7.70	1806.	41.	0.04	0.59	62
485	30	7.70	7.70	177.	148.	0.00	0.50	7.70	7.70	980.	64.	0.05	0.44	27
486	30	7.70	7.70	0.	205.	0.00	0.63	7.70	7.70	227.	50.	0.00	0.21	34
487	30	7.70	7.70	148.	205.	0.00	0.68	7.70	7.70	0.	73.	0.00	0.23	37
488	30	7.70	7.70	845.	178.	0.00	0.76	7.70	7.70	2743.	6.	0.20	0.71	40
489	30	7.70	7.70	1126.	246.	0.00	1.04	7.70	7.70	1612.	67.	0.00	0.61	55
490	30	7.70	7.70	243.	106.	0.00	0.46	7.70	7.70	1089.	82.	0.00	0.53	27
491	30	7.70	7.70	0.	218.	0.00	0.67	7.70	7.70	0.	94.	0.00	0.29	36
492	30	7.70	7.70	0.	238.	0.00	0.74	7.70	7.70	0.	58.	0.00	0.18	40
493	30	7.70	7.70	615.	140.	0.00	0.59	7.70	7.70	2489.	51.	0.09	0.78	40
494	30	7.70	7.70	1473.	185.	0.00	0.94	7.70	7.70	1337.	79.	0.00	0.58	49
495	30	7.70	7.70	201.	92.	0.00	0.36	7.70	7.70	603.	75.	0.00	0.38	20
496	30	7.70	7.70	336.	171.	0.00	0.66	7.70	7.70	0.	118.	0.00	0.36	35
497	30	7.70	7.70	470.	223.	0.00	0.81	7.70	7.70	0.	196.	0.00	0.61	43
498	30	7.70	7.70	878.	128.	0.00	0.64	7.70	7.70	2097.	58.	0.03	0.70	36
499	30	7.70	7.70	2319.	99.	0.00	0.88	7.70	7.70	628.	95.	0.00	0.45	45
507	30	7.70	7.70	1347.	315.	0.00	1.32	7.70	7.70	423.	33.	0.01	0.21	70
508	30	7.70	7.70	2025.	300.	0.00	1.46	7.70	7.70	570.	35.	0.00	0.25	77
509	30	7.70	7.70	2138.	297.	0.00	1.46	7.70	7.70	1003.	43.	0.00	0.38	77
510	30	7.70	7.70	1239.	324.	0.00	1.32	7.70	7.70	1349.	76.	0.00	0.57	70
511	30	7.70	7.70	1180.	321.	0.00	1.34	7.70	7.70	1583.	126.	0.00	0.78	71
512	30	16.27	7.70	2486.	253.	0.00	0.67	7.70	7.70	1548.	152.	0.00	0.85	44
513	30	16.27	7.70	4460.	348.	0.00	1.04	7.70	7.70	659.	147.	0.00	0.62	60
521	30	16.27	16.05	7170.	626.	0.08	1.78	7.70	7.70	2862.	123.	0.14	1.09	93
767	30	7.70	7.70	0.	182.	0.00	0.56	7.70	7.70	308.	13.	0.00	0.12	30
769	30	7.70	7.70	277.	197.	0.00	0.68	7.70	7.70	504.	24.	0.00	0.20	36
771	30	7.70	7.70	0.	213.	0.00	0.66	7.70	7.70	455.	21.	0.00	0.18	35
773	30	7.70	7.70	80.	217.	0.00	0.71	7.70	7.70	444.	16.	0.02	0.16	38
778	30	7.70	7.70	467.	232.	0.00	0.84	7.70	7.70	546.	24.	0.01	0.21	44
781	30	7.70	7.70	620.	232.	0.00	0.87	7.70	7.70	1515.	11.	0.09	0.41	46
787	30	7.70	7.70	0.	308.	0.00	0.95	7.70	7.70	500.	27.	0.00	0.21	51
792	30	7.70	7.70	601.	303.	0.00	1.09	7.70	7.70	370.	14.	0.01	0.14	58
795	30	7.70	7.70	1826.	318.	0.00	1.45	7.70	7.70	388.	43.	0.00	0.23	76
797	30	7.70	7.70	1765.	317.	0.00	1.43	7.70	7.70	710.	41.	0.00	0.30	75
799	30	7.70	7.70	1194.	333.	0.00	1.36	7.70	7.70	839.	61.	0.00	0.40	72
801	30	7.70	7.70	1172.	378.	0.00	1.47	7.70	7.70	1108.	69.	0.00	0.49	78
806	30	16.27	7.70	4278.	417.	0.00	1.12	7.70	7.70	3187.	118.	0.06	1.16	66
875	30	7.70	15.40	0.	365.	0.00	1.13	7.70	7.70	754.	4.	0.05	0.20	40
878	30	7.70	7.70	0.	280.	0.00	0.86	7.70	7.70	1630.	-6.	0.13	0.40	47
897	30	7.70	7.70	1116.	144.	0.00	0.73	7.70	7.70	1043.	39.	0.05	0.38	38

		SUPERIORE ORIZZONTALE						SUPERIORE VERTICALE						COEF.
GUSCI	spess	Af	Afc	Mom	Nor	epsC	epsF	Af	Afc	Mom	Nor	epsC	epsF	MAX %
380	30	7.70	7.70	146.	26.	0.00	0.17	7.70	7.70	1304.	18.	0.07	0.38	19
381	30	7.70	7.70	270.	83.	0.00	0.32	7.70	7.70	1539.	63.	0.00	0.58	29
382	30	7.70	7.70	297.	82.	0.00	0.33	7.70	7.70	1755.	61.	0.00	0.62	32
383	30	7.70	7.70	406.	89.	0.00	0.38	7.70	7.70	1774.	55.	0.02	0.61	31
384	30	7.70	7.70	404.	92.	0.00	0.38	7.70	7.70	1856.	45.	0.04	0.61	31
385	30	7.70	7.70	376.	94.	0.00	0.38	7.70	7.70	2100.	48.	0.05	0.67	34
386	30	7.70	7.70	68.	92.	0.00	0.31	7.70	7.70	2260.	48.	0.09	0.71	36
387	30	7.70	7.70	120.	100.	0.00	0.34	7.70	7.70	2647.	41.	0.12	0.79	40
388	30	7.70	7.70	272.	82.	0.00	0.34	7.70	7.70	2786.	42.	0.13	0.83	42
389	30	7.70	7.70	338.	84.	0.00	0.35	7.70	7.70	2858.	39.	0.15	0.83	43
390	30	7.70	7.70	285.	106.	0.00	0.40	7.70	7.70	2759.	41.	0.13	0.81	42
391	30	7.70	7.70	431.	110.	0.00	0.45	7.70	7.70	2528.	38.	0.11	0.75	38
392	30	7.70	7.70	672.	110.	0.00	0.51	7.70	7.70	2097.	31.	0.09	0.62	32
393	30	7.70	7.70	555.	118.	0.00	0.50	7.70	7.70	1389.	33.	0.09	0.45	26
394	30	7.70	7.70	295.	65.	0.00	0.28	7.70	7.70	962.	-48.	0.09	0.31	16
395	30	7.70	7.70	0.	50.	0.00	0.15	7.70	7.70	844.	46.	0.00	0.35	18
396	30	7.70	7.70	0.	54.	0.00	0.17	7.70	7.70	0.	78.	0.00	0.24	13
397	30	7.70	7.70	0.	80.	0.00	0.25	7.70	7.70	0.	102.	0.00	0.32	17
398	30	7.70	7.70	90.	95.	0.00	0.32	7.70	7.70	0.	98.	0.00	0.30	17
399	30	7.70	7.70	46.	62.	0.00	0.20	7.70	7.70	0.	59.	0.00	0.18	11
400	30	7.70	7.70	503.	58.	0.02	0.31	7.70	7.70	741.	28.	0.03	0.27	16

401	30	7.70	7.70	788.	33.	0.00	0.30	7.70	7.70	748.	8.	0.03	0.21	15
402	30	7.70	7.70	848.	72.	0.00	0.43	7.70	7.70	680.	10.	0.02	0.21	22
405	30	7.70	7.70	260.	69.	0.00	0.28	7.70	7.70	950.	59.	0.00	0.42	21
406	30	7.70	7.70	594.	75.	0.00	0.38	7.70	7.70	591.	45.	0.00	0.29	20
407	30	7.70	7.70	712.	98.	0.00	0.48	7.70	7.70	493.	23.	0.00	0.19	25
408	30	7.70	7.70	919.	161.	0.00	0.73	7.70	7.70	728.	15.	0.01	0.23	38
410	30	7.70	7.70	333.	87.	0.00	0.35	7.70	7.70	1035.	62.	0.00	0.45	23
411	30	7.70	7.70	650.	107.	0.00	0.49	7.70	7.70	608.	48.	0.00	0.30	26
412	30	7.70	7.70	847.	139.	0.00	0.64	7.70	7.70	636.	36.	0.00	0.27	33
413	30	7.70	7.70	826.	159.	0.00	0.70	7.70	7.70	422.	25.	0.00	0.18	37
415	30	7.70	7.70	481.	97.	0.00	0.43	7.70	7.70	1049.	61.	0.00	0.45	23
416	30	7.70	7.70	482.	117.	0.00	0.48	7.70	7.70	534.	51.	0.00	0.29	25
417	30	7.70	7.70	447.	143.	0.00	0.55	7.70	7.70	672.	45.	0.00	0.31	29
418	30	7.70	7.70	405.	180.	0.00	0.66	7.70	7.70	507.	34.	0.00	0.23	35
420	30	7.70	7.70	430.	115.	0.00	0.46	7.70	7.70	1261.	57.	0.00	0.49	25
421	30	7.70	7.70	318.	125.	0.00	0.46	7.70	7.70	362.	58.	0.00	0.27	25
422	30	7.70	7.70	0.	168.	0.00	0.52	7.70	7.70	699.	44.	0.00	0.31	28
423	30	7.70	7.70	151.	199.	0.00	0.65	7.70	7.70	542.	31.	0.00	0.23	35
425	30	7.70	7.70	251.	116.	0.00	0.42	7.70	7.70	1359.	55.	0.00	0.51	26
426	30	7.70	7.70	0.	150.	0.00	0.46	7.70	7.70	562.	59.	0.00	0.32	25
427	30	7.70	7.70	0.	177.	0.00	0.55	7.70	7.70	890.	38.	0.00	0.34	29
428	30	7.70	7.70	70.	208.	0.00	0.66	7.70	7.70	532.	31.	0.00	0.23	35
430	30	7.70	7.70	0.	130.	0.00	0.40	7.70	7.70	1504.	48.	0.00	0.53	27
431	30	7.70	7.70	0.	159.	0.00	0.49	7.70	7.70	666.	56.	0.00	0.34	26
432	30	7.70	7.70	0.	187.	0.00	0.58	7.70	7.70	1269.	45.	0.00	0.45	31
433	30	7.70	7.70	0.	199.	0.00	0.62	7.70	7.70	1153.	31.	0.01	0.38	33
435	30	7.70	7.70	35.	138.	0.00	0.43	7.70	7.70	1840.	52.	0.04	0.62	32
436	30	7.70	7.70	860.	148.	0.00	0.67	7.70	7.70	1113.	55.	0.00	0.45	35
437	30	7.70	7.70	1355.	166.	0.00	0.85	7.70	7.70	1614.	47.	0.01	0.55	44
438	30	7.70	7.70	1306.	148.	0.00	0.78	7.70	7.70	1537.	29.	0.05	0.47	41
439	30	7.70	7.70	1073.	238.	0.00	1.01	7.70	7.70	1052.	26.	0.02	0.34	53
440	30	7.70	7.70	263.	119.	0.00	0.43	7.70	7.70	1850.	46.	0.03	0.60	31
441	30	7.70	7.70	736.	133.	0.00	0.62	7.70	7.70	1183.	51.	0.00	0.45	32
442	30	7.70	7.70	1423.	175.	0.00	0.90	7.70	7.70	1921.	36.	0.06	0.59	47
443	30	7.70	7.70	1671.	236.	0.00	1.15	7.70	7.70	1748.	23.	0.08	0.51	60
444	30	7.70	7.70	1559.	241.	0.00	1.14	7.70	7.70	826.	19.	0.05	0.26	60
445	30	7.70	7.70	166.	135.	0.00	0.46	7.70	7.70	1875.	43.	0.06	0.60	31
446	30	7.70	7.70	547.	174.	0.00	0.67	7.70	7.70	1062.	45.	0.00	0.40	36
447	30	7.70	7.70	898.	211.	0.00	0.88	7.70	7.70	1846.	29.	0.07	0.55	46
448	30	7.70	7.70	1740.	247.	0.00	1.20	7.70	7.70	1599.	19.	0.08	0.46	63
449	30	7.70	7.70	2282.	277.	0.00	1.43	7.70	7.70	762.	41.	0.04	0.32	75
450	30	7.70	7.70	514.	145.	0.00	0.58	7.70	7.70	2007.	40.	0.07	0.62	32
451	30	7.70	7.70	1123.	184.	0.00	0.85	7.70	7.70	1438.	33.	0.03	0.46	44
452	30	7.70	7.70	1468.	228.	0.00	1.07	7.70	7.70	1427.	45.	0.01	0.50	56
453	30	7.70	7.70	1927.	280.	0.00	1.35	7.70	7.70	1156.	24.	0.02	0.36	71
454	30	15.40	7.70	3154.	344.	0.00	0.93	7.70	7.70	890.	58.	0.00	0.40	55
455	30	7.70	7.70	956.	150.	0.00	0.70	7.70	7.70	2038.	39.	0.08	0.63	37
456	30	7.70	7.70	1566.	174.	0.00	0.93	7.70	7.70	1714.	34.	0.05	0.54	48
457	30	7.70	7.70	2016.	219.	0.00	1.18	7.70	7.70	1698.	49.	0.01	0.58	61
458	30	7.70	7.70	2255.	277.	0.00	1.43	7.70	7.70	1024.	33.	0.00	0.36	75
459	30	7.70	7.70	2298.	294.	0.00	1.49	7.70	7.70	960.	52.	0.00	0.40	78
460	30	7.70	7.70	1198.	160.	0.00	0.79	7.70	7.70	1994.	37.	0.07	0.61	41
461	30	7.70	7.70	1594.	205.	0.00	1.03	7.70	7.70	1954.	35.	0.07	0.60	54
462	30	7.70	7.70	1936.	217.	0.00	1.16	7.70	7.70	1622.	57.	0.00	0.58	61
463	30	7.70	7.70	1759.	251.	0.00	1.22	7.70	7.70	1578.	35.	0.04	0.50	64
464	30	7.70	7.70	1071.	241.	0.00	1.03	7.70	7.70	1035.	33.	0.00	0.36	55
465	30	7.70	7.70	716.	167.	0.00	0.69	7.70	7.70	1713.	37.	0.05	0.54	36
466	30	7.70	7.70	952.	197.	0.00	0.85	7.70	7.70	1964.	38.	0.06	0.61	44
467	30	7.70	7.70	776.	243.	0.00	0.95	7.70	7.70	2203.	39.	0.08	0.67	50
468	30	7.70	7.70	214.	272.	0.00	0.89	7.70	7.70	1559.	32.	0.07	0.49	48
469	30	7.70	7.70	0.	300.	0.00	0.93	7.70	7.70	963.	33.	0.00	0.34	50
470	30	7.70	7.70	127.	143.	0.00	0.51	7.70	7.70	1118.	31.	0.07	0.37	27
471	30	7.70	7.70	0.	231.	0.00	0.72	7.70	7.70	1657.	44.	0.02	0.55	38
472	30	7.70	7.70	0.	292.	0.00	0.90	7.70	7.70	2607.	46.	0.11	0.79	49
473	30	7.70	7.70	0.	296.	0.00	0.92	7.70	7.70	2094.	-9.	0.16	0.53	49
474	30	7.70	7.70	0.	290.	0.00	0.90	7.70	7.70	818.	36.	0.00	0.31	48
475	30	7.70	7.70	0.	153.	0.00	0.47	7.70	7.70	408.	53.	0.04	0.27	26
476	30	7.70	7.70	0.	220.	0.00	0.68	7.70	7.70	890.	55.	0.00	0.39	37
477	30	7.70	7.70	0.	252.	0.00	0.78	7.70	7.70	2136.	69.	0.01	0.74	42
478	30	7.70	7.70	0.	249.	0.00	0.77	7.70	7.70	2114.	-26.	0.17	0.50	41
479	30	7.70	7.70	0.	284.	0.00	0.88	7.70	7.70	1087.	33.	0.00	0.37	47
480	30	7.70	7.70	153.	149.	0.00	0.50	7.70	7.70	391.	57.	0.01	0.27	27
481	30	7.70	7.70	195.	193.	0.00	0.65	7.70	7.70	714.	62.	0.00	0.37	35
482	30	7.70	7.70	378.	209.	0.00	0.74	7.70	7.70	2478.	75.	0.04	0.85	43
483	30	7.70	7.70	547.	207.	0.00	0.78	7.70	7.70	885.	-5.	0.07	0.22	41
484	30	7.70	7.70	525.	251.	0.00	0.93	7.70	7.70	702.	41.	0.00	0.30	50
485	30	7.70	7.70	292.	148.	0.00	0.53	7.70	7.70	99.	57.	0.00	0.20	28
486	30	7.70	7.70	376.	193.	0.00	0.71	7.70	7.70	452.	42.	0.03	0.24	38
487	30	7.70	7.70	492.	205.	0.00	0.77	7.70	7.70	2533.	52.	0.09	0.79	41
488	30	7.70	7.70	528.	194.	0.00	0.73	7.70	7.70	467.	30.	0.01	0.21	39
489	30	7.70	7.70	400.	246.	0.00	0.86	7.70	7.70	125.	69.	0.00	0.24	46
490	30	7.70	7.70	253.	146.	0.00	0.52	7.70	7.70	0.	84.	0.00	0.26	27
491	30	7.70	7.70	450.	218.	0.00	0.79	7.70	7.70	343.	94.	0.00	0.38	42
492	30	7.70	7.70	470.	238.	0.00	0.85	7.70	7.70	1893.	-21.	0.15	0.52	45

493	30	7.70	7.70	447.	175.	0.00	0.65	7.70	7.70	537.	43.	0.00	0.27	34
494	30	7.70	7.70	0.	185.	0.00	0.57	7.70	7.70	168.	76.	0.00	0.28	31
495	30	7.70	7.70	0.	106.	0.00	0.33	7.70	7.70	0.	75.	0.00	0.23	18
496	30	7.70	7.70	0.	202.	0.00	0.63	7.70	7.70	523.	106.	0.00	0.46	34
497	30	7.70	7.70	183.	235.	0.00	0.77	7.70	7.70	1952.	120.	0.00	0.98	51
498	30	7.70	7.70	191.	144.	0.00	0.56	7.70	7.70	567.	58.	0.00	0.32	30
499	30	7.70	7.70	2213.	75.	0.01	0.78	7.70	7.70	1220.	95.	0.00	0.61	40
507	30	7.70	7.70	0.	319.	0.00	0.99	7.70	7.70	189.	33.	0.00	0.15	53
508	30	7.70	7.70	0.	312.	0.00	0.97	7.70	7.70	210.	34.	0.00	0.16	52
509	30	7.70	7.70	0.	313.	0.00	0.97	7.70	7.70	227.	43.	0.00	0.19	52
510	30	7.70	7.70	440.	313.	0.00	1.09	7.70	7.70	313.	62.	0.00	0.27	58
511	30	7.70	7.70	256.	352.	0.00	1.16	7.70	7.70	0.	126.	0.00	0.39	62
512	30	7.70	16.27	0.	273.	0.00	0.84	7.70	7.70	0.	159.	0.00	0.49	29
513	30	7.70	16.27	869.	277.	0.00	1.08	7.70	7.70	2197.	147.	0.00	1.00	52
521	30	16.05	16.27	0.	650.	0.00	0.96	7.70	7.70	2165.	89.	0.02	0.88	52
767	30	7.70	7.70	658.	182.	0.00	0.73	7.70	7.70	58.	13.	0.00	0.05	38
769	30	7.70	7.70	477.	194.	0.00	0.72	7.70	7.70	393.	24.	0.00	0.17	38
771	30	7.70	7.70	261.	213.	0.00	0.72	7.70	7.70	200.	24.	0.00	0.12	39
773	30	7.70	7.70	108.	230.	0.00	0.74	7.70	7.70	334.	-3.	0.03	0.10	40
778	30	7.70	7.70	0.	232.	0.00	0.72	7.70	7.70	376.	8.	0.01	0.12	39
781	30	7.70	7.70	1135.	232.	0.00	1.00	7.70	7.70	1358.	11.	0.08	0.37	53
787	30	7.70	7.70	2230.	304.	0.00	1.51	7.70	7.70	1536.	27.	0.05	0.47	79
792	30	7.70	7.70	235.	303.	0.00	1.00	7.70	7.70	290.	10.	0.00	0.10	53
795	30	7.70	7.70	0.	318.	0.00	0.98	7.70	7.70	108.	43.	0.00	0.16	53
797	30	7.70	7.70	0.	323.	0.00	1.00	7.70	7.70	414.	44.	0.00	0.24	54
799	30	7.70	7.70	447.	340.	0.00	1.17	7.70	7.70	672.	60.	0.00	0.35	62
801	30	7.70	7.70	416.	360.	0.00	1.27	7.70	7.70	539.	36.	0.00	0.30	68
806	30	7.70	16.27	0.	467.	0.00	1.44	7.70	7.70	2526.	118.	0.08	0.99	51
875	30	15.40	7.70	3529.	365.	0.00	1.01	7.70	7.70	1856.	4.	0.13	0.48	59
878	30	7.70	7.70	2467.	280.	0.00	1.49	7.70	7.70	1339.	-6.	0.10	0.33	78
897	30	7.70	7.70	0.	147.	0.00	0.46	7.70	7.70	516.	30.	0.03	0.23	25

L'ARMATURA È OVUNQUE > DELLA QUANTITÀ RICHIESTA: IL PUNTO 2.3 DELLE NTC È VERIFICATO (Rd > Ed)

*** VERIFICHE A TAGLIO SECONDO NTC2018 (cap. 7.4.4.5.1) ***

Vrcd = compressione cls d'anima
Vrsd = trazione armatura trasversale
Vrd,s = scorrimento in zona dissipativa

Quota [cm]	Sezione [cm2]	Af long. [cm2]	Af trasv. [cm2]	Taglio [daN]	Vrcd [daN]	Vrsd [daN]	alfas	Vrd,s [daN]
20.0	57651	295.82	295.82	232589	1637801	926050	-	-
60.0	57651	295.82	295.82	231614	1636980	926050	-	-
100.0	57651	295.82	295.82	231614	1636980	926050	-	-
140.0	57651	295.82	295.82	228933	1635516	926050	-	-
180.0	57651	295.82	295.82	228933	1635516	926050	-	-
220.0	57651	295.82	295.82	228933	1635516	926050	-	-
260.0	57651	295.82	295.82	224961	1634302	926050	-	-
300.0	57651	295.82	295.82	224961	1634302	926050	-	-
340.0	57651	295.82	295.82	169581	1631538	926050	-	-
380.0	57651	295.82	295.82	167745	1631436	926050	-	-
420.0	55845	286.55	290.33	115665	1577772	908843	-	-
460.0	50488	259.07	265.55	102713	1426212	831275	-	-
500.0	42234	216.71	223.09	93245	1192422	698366	-	-
540.0	31963	164.01	177.35	72509	902467	555168	-	-
580.0	25716	131.95	153.25	62071	725982	479736	-	-
620.0	17461	89.60	107.33	46013	492781	335970	-	-
660.0	9203	47.22	62.87	21449	259877	196796	-	-
692.3	2534	13.00	23.77	7021	71507	74403	-	-

MACROGUSCIO parete07

VERIFICA ARMATURE EFFETTIVE (EFFETTO MEMBRANA + PIASTRA)

CASI DI CARICO: ->

Nome	Descrizione
1	SLU
2	SLU VENTOX
3	SLU VENTOY
6	SLU con SISMAX PRINC
7	SLU con SISMAY PRINC
13	SLUEqu
14	SLUEqu VENTOX
15	SLUEqu VENTOY
23	valanga

DATI:
tensione di snervamento acciaio (fyk): 4500 daN/cm2
coefficiente sicurezza acciaio : 1.15
deformazione ultima acciaio : 1.86 per mille
deformazione ultima cls : 3.5 per mille
rapporto rottura/snervamento (k): 1
resistenza cilindrica cls (fck): 249 daN/cm2
coefficiente sicurezza cls : 1.5
coefficiente riduttivo (alfa): 0.85
copriferro inferiore (asse armatura): 3 cm
copriferro superiore (asse armatura): 3 cm
moltiplicatore sollecitazioni : 1

LEGENDA:
spess = spessore guscio. Verifica effettuata su sezione BxH, con B=1 cm e H="spess" cm
Af = area disposta al lembo teso, in cm2 al metro
Afc = area disposta al lembo compresso, in cm2 al metro
Mom = momento flettente [daNcm/cm]
Nor = sforzo normale [daN]
epsC = deformazione cls [per mille]
epsF = deformazione acciaio [per mille]
<-
L'armatura è sufficiente se le deformazioni dei materiali sono ovunque minori delle corrispondenti deformazioni ultime.

Per gli elementi non dissipativi la permanenza in campo elastico è ottenuta limitando la deformazione dell'acciaio alla deformazione di snervamento (1.86 per mille) e quella del calcestruzzo al 2 per mille.

		INFERIORE ORIZZONTALE						INFERIORE VERTICALE						COEF.
GUSCI	spess	Af	Afc	Mom	Nor	epsC	epsF	Af	Afc	Mom	Nor	epsC	epsF	MAX %
522	30	4.52	4.52	225.	17.	0.00	0.21	4.52	4.52	217.	39.	0.00	0.30	16
523	30	4.52	4.52	220.	9.	0.00	0.17	4.52	4.52	195.	25.	0.00	0.21	11
524	30	4.52	4.52	268.	72.	0.00	0.49	4.52	4.52	706.	11.	0.02	0.35	26
525	30	4.52	4.52	410.	23.	0.00	0.29	4.52	4.52	358.	43.	0.00	0.38	20
526	30	4.52	4.52	339.	46.	0.00	0.39	4.52	4.52	156.	-1.	0.02	0.07	20
527	30	4.52	4.52	188.	69.	0.00	0.44	4.52	4.52	529.	50.	0.00	0.48	25
528	30	4.52	4.52	804.	18.	0.00	0.45	4.52	4.52	398.	37.	0.00	0.37	23
529	30	4.52	4.52	360.	32.	0.00	0.32	4.52	4.52	135.	7.	0.01	0.09	17
530	30	4.52	4.52	316.	22.	0.00	0.28	4.52	4.52	605.	54.	0.00	0.54	28
531	30	9.34	9.34	1997.	56.	0.03	0.56	9.14	9.14	1425.	27.	0.04	0.37	28
532	30	9.34	9.34	570.	62.	0.00	0.28	9.14	9.14	1119.	34.	0.00	0.33	17
533	30	9.34	9.34	0.	90.	0.00	0.23	9.14	9.14	625.	47.	0.00	0.25	13
535	30	9.34	9.34	568.	55.	0.00	0.26	9.14	9.14	1532.	20.	0.07	0.38	19
885	30	9.34	9.34	2393.	62.	0.05	0.65	9.14	9.14	2557.	40.	0.11	0.64	33
891	30	9.34	9.34	454.	83.	0.00	0.35	9.14	9.14	1117.	6.	0.06	0.25	19

		SUPERIORE ORIZZONTALE						SUPERIORE VERTICALE						COEF.
GUSCI	spess	Af	Afc	Mom	Nor	epsC	epsF	Af	Afc	Mom	Nor	epsC	epsF	MAX %
522	30	4.52	4.52	478.	24.	0.04	0.32	4.52	4.52	513.	33.	0.00	0.39	20
523	30	4.52	4.52	459.	29.	0.00	0.35	4.52	4.52	678.	11.	0.02	0.38	20
524	30	4.52	4.52	297.	72.	0.00	0.50	4.52	4.52	791.	11.	0.03	0.39	26
525	30	4.52	4.52	637.	23.	0.02	0.39	4.52	4.52	551.	43.	0.00	0.46	24
526	30	4.52	4.52	241.	46.	0.00	0.34	4.52	4.52	609.	3.	0.05	0.27	18
527	30	4.52	4.52	448.	69.	0.01	0.55	4.52	4.52	301.	23.	0.00	0.30	29
528	30	4.52	4.52	861.	18.	0.03	0.45	4.52	4.52	732.	37.	0.02	0.50	26
529	30	4.52	4.52	290.	36.	0.00	0.31	4.52	4.52	781.	3.	0.07	0.34	18
530	30	4.52	4.52	578.	22.	0.01	0.38	4.52	4.52	385.	29.	0.00	0.35	20
531	30	9.34	9.34	1468.	56.	0.00	0.45	9.14	9.14	1861.	27.	0.07	0.46	24
532	30	9.34	9.34	217.	76.	0.00	0.24	9.14	9.14	1488.	34.	0.03	0.41	21
533	30	9.34	9.34	672.	90.	0.00	0.37	9.14	9.14	910.	47.	0.00	0.31	19
535	30	9.34	9.34	275.	58.	0.00	0.20	9.14	9.14	1836.	20.	0.09	0.44	22
885	30	9.34	9.34	1678.	32.	0.05	0.46	9.14	9.14	3243.	40.	0.16	0.79	40
891	30	9.34	9.34	807.	139.	0.00	0.52	9.14	9.14	1434.	9.	0.08	0.33	27

L'ARMATURA È OVUNQUE > DELLA QUANTITÀ RICHIESTA: IL PUNTO 2.3 DELLE NTC È VERIFICATO (Rd > Ed)

*** VERIFICHE A TAGLIO SECONDO NTC2018 (cap. 7.4.4.5.1) ***

Vrcd = compressione cls d'anima
Vrsd = trazione armatura trasversale
Vrd,s = scorrimento in zona dissipativa

Quota [cm]	Sezione [cm2]	Af long. [cm2]	Af trasv. [cm2]	Taglio [daN]	Vrcd [daN]	Vrsd [daN]	alfas	Vrd,s [daN]
20.0	7347	22.16	22.16	13575	207376	69363	-	-
60.0	7347	22.16	22.16	16828	207338	69363	-	-
100.0	7347	22.16	22.16	16828	207338	69363	-	-
140.0	7347	22.16	22.16	21451	207340	69363	-	-
180.0	7347	22.16	22.16	21451	207340	69363	-	-
220.0	7347	22.16	22.16	21451	207340	69363	-	-
260.0	7347	33.47	33.94	22269	207372	106259	-	-
300.0	7347	44.78	45.73	22269	207372	143154	-	-

340.0	7347	44.78	45.73	18057	207469	143154	-	-
380.0	7347	44.78	45.73	17726	207496	143154	-	-
412.6	4103	25.00	25.54	8414	115900	79938	-	-

MACROGUSCIO parete08

VERIFICA ARMATURE EFFETTIVE (EFFETTO MEMBRANA + PIASTRA)

CASI DI CARICO: ->

Nome	Descrizione
1	SLU
2	SLU VENTOX
3	SLU VENTOY
6	SLU con SISMAX PRINC
7	SLU con SISMAY PRINC
13	SLUEqu
14	SLUEqu VENTOX
15	SLUEqu VENTOY
23	valanga

DATI:

```
   tensione di snervamento acciaio (fyk): 4500    daN/cm2
   coefficiente sicurezza acciaio       : 1.15
   deformazione ultima acciaio          : 1.86    per mille
   deformazione ultima cls              :  3.5    per mille
   rapporto rottura/snervamento      (k): 1
   resistenza cilindrica cls       (fck): 249     daN/cm2
   coefficiente sicurezza cls           : 1.5
   coefficiente riduttivo         (alfa): 0.85
   copriferro inferiore  (asse armatura):  3      cm
   copriferro superiore  (asse armatura):  3      cm
   moltiplicatore sollecitazioni        :  1
```

LEGENDA:

```
   spess = spessore guscio. Verifica effettuata su sezione BxH, con B=1 cm e H="spess" cm
   Af    = area disposta al lembo teso, in cm2 al metro
   Afc   = area disposta al lembo compresso, in cm2 al metro
   Mom   = momento flettente [daNcm/cm]
   Nor   = sforzo normale [daN]
   epsC  = deformazione cls [per mille]
   epsF  = deformazione acciaio [per mille]
<-
```

L'armatura è sufficiente se le deformazioni dei materiali sono ovunque minori delle corrispondenti deformazioni ultime.

Per gli elementi non dissipativi la permanenza in campo elastico è ottenuta limitando la deformazione dell'acciaio alla deformazione di snervamento (1.86 per mille) e quella del calcestruzzo al 2 per mille.

		INFERIORE ORIZZONTALE						INFERIORE VERTICALE						COEF.
GUSCI	spess	Af	Afc	Mom	Nor	epsC	epsF	Af	Afc	Mom	Nor	epsC	epsF	MAX %
31	30	4.52	4.52	331.	12.	0.00	0.20	4.52	4.52	416.	-5.	0.04	0.17	10
32	30	4.52	4.52	349.	9.	0.01	0.19	4.52	4.52	840.	-21.	0.09	0.33	17
33	30	4.52	4.52	351.	3.	0.02	0.16	4.52	4.52	938.	-40.	0.10	0.36	19
34	30	4.52	4.52	179.	16.	0.00	0.20	4.52	4.52	970.	-45.	0.10	0.35	18
35	30	4.52	4.52	0.	160.	0.00	0.84	4.52	4.52	0.	229.	0.00	1.20	65
36	30	4.52	4.52	665.	17.	0.00	0.37	4.52	4.52	284.	26.	0.00	0.26	19
37	30	4.52	4.52	398.	21.	0.01	0.28	4.52	4.52	261.	-23.	0.03	0.10	14
38	30	4.52	4.52	214.	9.	0.00	0.16	4.52	4.52	612.	-30.	0.07	0.23	12
39	30	4.52	4.52	22.	67.	0.00	0.36	4.52	4.52	524.	-34.	0.06	0.20	19
40	30	4.52	4.52	0.	91.	0.00	0.48	4.52	4.52	0.	102.	0.00	0.53	29
41	30	4.52	4.52	951.	20.	0.01	0.50	4.52	4.52	435.	15.	0.00	0.26	26
42	30	4.52	4.52	627.	29.	0.00	0.42	4.52	4.52	312.	18.	0.00	0.23	21
43	30	4.52	4.52	273.	37.	0.00	0.31	4.52	4.52	68.	14.	0.00	0.10	16
44	30	4.52	4.52	167.	46.	0.00	0.33	4.52	4.52	177.	22.	0.00	0.19	17
45	30	4.52	4.52	123.	37.	0.00	0.25	4.52	4.52	100.	33.	0.00	0.22	13
46	30	4.52	4.52	1503.	52.	0.03	0.90	4.52	4.52	725.	19.	0.01	0.40	46
47	30	4.52	4.52	770.	48.	0.00	0.58	4.52	4.52	474.	33.	0.00	0.37	30
48	30	4.52	4.52	353.	33.	0.00	0.32	4.52	4.52	185.	20.	0.00	0.18	17
49	30	4.52	4.52	167.	20.	0.00	0.21	4.52	4.52	222.	12.	0.00	0.15	11
50	30	4.52	4.52	167.	15.	0.00	0.15	4.52	4.52	144.	10.	0.00	0.12	8
53	30	4.52	4.52	560.	22.	0.00	0.35	4.52	4.52	168.	2.	0.01	0.08	18
54	30	4.52	4.52	353.	6.	0.00	0.20	4.52	4.52	116.	-2.	0.01	0.05	10
55	30	4.52	4.52	178.	1.	0.01	0.08	4.52	4.52	210.	-7.	0.02	0.08	4
690	30	4.52	4.52	845.	47.	0.00	0.60	4.52	4.52	268.	9.	0.03	0.16	31
691	30	4.52	4.52	754.	42.	0.00	0.54	4.52	4.52	301.	3.	0.01	0.14	28
695	30	4.52	4.52	557.	16.	0.00	0.32	4.52	4.52	276.	0.	0.03	0.12	16
697	30	4.52	4.52	382.	4.	0.02	0.18	4.52	4.52	120.	-1.	0.01	0.05	9

699	30	4.52	4.52	203.	0.	0.02	0.09	4.52	4.52	108.	-3.	0.01	0.04	4
893	30	7.32	4.52	1776.	72.	0.00	0.70	4.52	4.52	267.	39.	0.00	0.32	38

		SUPERIORE ORIZZONTALE						SUPERIORE VERTICALE						COEF.
GUSCI	spess	Af	Afc	Mom	Nor	epsC	epsF	Af	Afc	Mom	Nor	epsC	epsF	MAX %
31	30	4.52	4.52	206.	18.	0.00	0.18	4.52	4.52	637.	-5.	0.06	0.26	13
32	30	4.52	4.52	232.	3.	0.01	0.11	4.52	4.52	971.	-21.	0.10	0.38	20
33	30	4.52	4.52	326.	3.	0.03	0.15	4.52	4.52	1221.	-40.	0.13	0.46	24
34	30	4.52	4.52	216.	26.	0.00	0.24	4.52	4.52	1283.	-45.	0.13	0.51	26
35	30	4.52	4.52	117.	160.	0.00	0.89	4.52	4.52	820.	229.	0.00	1.56	83
36	30	4.52	4.52	319.	17.	0.00	0.22	4.52	4.52	564.	23.	0.00	0.36	19
37	30	4.52	4.52	233.	21.	0.02	0.21	4.52	4.52	687.	-23.	0.07	0.27	14
38	30	4.52	4.52	319.	2.	0.02	0.15	4.52	4.52	796.	-30.	0.08	0.30	16
39	30	4.52	4.52	156.	67.	0.00	0.42	4.52	4.52	804.	-34.	0.09	0.33	22
40	30	4.52	4.52	129.	85.	0.00	0.52	4.52	4.52	412.	102.	0.00	0.71	37
41	30	4.52	4.52	702.	20.	0.00	0.40	4.52	4.52	632.	15.	0.01	0.34	20
42	30	4.52	4.52	265.	24.	0.00	0.24	4.52	4.52	589.	18.	0.00	0.34	17
43	30	4.52	4.52	176.	37.	0.00	0.27	4.52	4.52	542.	10.	0.01	0.29	15
44	30	4.52	4.52	219.	46.	0.00	0.35	4.52	4.52	417.	19.	0.00	0.27	19
45	30	4.52	4.52	202.	30.	0.00	0.26	4.52	4.52	208.	40.	0.00	0.30	16
46	30	4.52	4.52	814.	20.	0.00	0.45	4.52	4.52	481.	-12.	0.05	0.22	23
47	30	4.52	4.52	305.	44.	0.00	0.36	4.52	4.52	509.	23.	0.00	0.34	19
48	30	4.52	4.52	198.	32.	0.00	0.26	4.52	4.52	380.	20.	0.00	0.27	14
49	30	4.52	4.52	242.	33.	0.00	0.27	4.52	4.52	172.	13.	0.00	0.14	14
50	30	4.52	4.52	230.	12.	0.00	0.17	4.52	4.52	247.	12.	0.00	0.17	9
53	30	4.52	4.52	234.	23.	0.00	0.22	4.52	4.52	319.	0.	0.03	0.14	11
54	30	4.52	4.52	243.	12.	0.00	0.17	4.52	4.52	119.	1.	0.01	0.05	9
55	30	4.52	4.52	218.	2.	0.01	0.10	4.52	4.52	199.	-7.	0.02	0.08	5
690	30	4.52	4.52	0.	50.	0.00	0.26	4.52	4.52	399.	-2.	0.04	0.17	14
691	30	4.52	4.52	0.	42.	0.00	0.22	4.52	4.52	277.	3.	0.01	0.13	12
695	30	4.52	4.52	300.	18.	0.00	0.22	4.52	4.52	261.	0.	0.02	0.11	11
697	30	4.52	4.52	296.	4.	0.01	0.14	4.52	4.52	115.	-1.	0.01	0.05	7
699	30	4.52	4.52	206.	0.	0.02	0.09	4.52	4.52	88.	-3.	0.01	0.04	4
893	30	4.52	7.32	426.	89.	0.00	0.65	4.52	4.52	697.	39.	0.00	0.50	29

L'ARMATURA È OVUNQUE > DELLA QUANTITÀ RICHIESTA: IL PUNTO 2.3 DELLE NTC È VERIFICATO (Rd > Ed)

*** VERIFICHE A TAGLIO SECONDO NTC2018 (cap. 7.4.4.5.1) ***

Vrcd = compressione cls d'anima
Vrsd = trazione armatura trasversale
Vrd,s = scorrimento in zona dissipativa

Quota [cm]	Sezione [cm2]	Af long. [cm2]	Af trasv. [cm2]	Taglio [daN]	Vrcd [daN]	Vrsd [daN]	alfas	Vrd,s [daN]
20.0	13467	40.62	40.62	25531	380572	127143	-	-
60.0	13467	40.62	40.62	19309	380502	127143	-	-
100.0	13467	40.62	40.62	19309	380502	127143	-	-
140.0	13467	40.62	40.62	13454	380501	127143	-	-
180.0	13467	40.62	40.62	13454	380501	127143	-	-
220.0	13467	40.62	40.62	13454	380501	127143	-	-
260.0	13467	40.62	40.62	12766	380577	127143	-	-
300.0	13467	40.62	40.62	12766	380577	127143	-	-
340.0	13467	40.62	41.87	12766	380582	131078	-	-
380.0	13467	40.62	43.13	12766	380593	135013	-	-
420.0	12019	36.25	38.49	12766	339439	120494	-	-
460.0	9300	28.05	29.01	12766	262655	90824	-	-
500.0	4502	13.58	13.58	12766	127098	42503	-	-

MACROGUSCIO platea

VERIFICA ARMATURE EFFETTIVE (EFFETTO MEMBRANA + PIASTRA)

CASI DI CARICO: ->

Nome	Descrizione
1	SLU
2	SLU VENTOX
3	SLU VENTOY
6	SLU con SISMAX PRINC
7	SLU con SISMAY PRINC
13	SLUEqu
14	SLUEqu VENTOX
15	SLUEqu VENTOY
23	valanga

DATI:
   tensione di snervamento acciaio (fyk): 4500 daN/cm2
   coefficiente sicurezza acciaio : 1.15
   deformazione ultima acciaio : 1.86 per mille
   deformazione ultima cls : 3.5 per mille
   rapporto rottura/snervamento (k): 1
   resistenza cilindrica cls (fck): 249 daN/cm2
   coefficiente sicurezza cls : 1.5
   coefficiente riduttivo (alfa): 0.85
   copriferro inferiore (asse armatura): 3 cm
   copriferro superiore (asse armatura): 3 cm
   moltiplicatore sollecitazioni : 1

LEGENDA:
   spess = spessore guscio. Verifica effettuata su sezione BxH, con B=1 cm e H="spess" cm
   Af = area disposta al lembo teso, in cm2 al metro
   Afc = area disposta al lembo compresso, in cm2 al metro
   Mom = momento flettente [daNcm/cm]
   Nor = sforzo normale [daN]
   epsC = deformazione cls [per mille]
   epsF = deformazione acciaio [per mille]
<-
   L'armatura è sufficiente se le deformazioni dei materiali sono ovunque minori delle corrispondenti deformazioni ultime.

   Per gli elementi non dissipativi la permanenza in campo elastico è ottenuta limitando la deformazione dell'acciaio alla deformazione di snervamento (1.86 per mille) e quella del calcestruzzo al 2 per mille.

		INFERIORE ORIZZONTALE						INFERIORE VERTICALE						COEF.
GUSCI	spess	Af	Afc	Mom	Nor	epsC	epsF	Af	Afc	Mom	Nor	epsC	epsF	MAX %
922	40	14.29	6.16	9407.	0.	0.35	0.93	14.58	6.16	9235.	0.	0.34	0.90	48
923	40	6.16	6.16	1367.	0.	0.07	0.31	6.16	6.16	6129.	0.	0.32	1.37	70
924	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	2447.	0.	0.13	0.55	28
925	40	6.16	6.16	26.	0.	0.00	0.01	6.16	6.16	3164.	0.	0.16	0.71	36
926	40	6.16	6.16	2199.	0.	0.11	0.49	6.16	6.16	7411.	0.	0.38	1.66	85
927	40	14.29	6.16	11651.	0.	0.43	1.15	14.41	6.16	11329.	0.	0.42	1.11	59
928	40	6.16	6.16	5881.	0.	0.30	1.31	6.16	6.16	1670.	0.	0.09	0.37	67
929	40	6.16	6.16	1492.	0.	0.08	0.33	6.16	6.16	1861.	0.	0.10	0.42	21
930	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	772.	0.	0.04	0.17	9
931	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	1409.	0.	0.07	0.31	16
932	40	6.16	6.16	2510.	0.	0.13	0.56	6.16	6.16	2648.	0.	0.14	0.59	30
933	40	6.16	6.16	7911.	0.	0.41	1.77	6.16	6.16	2023.	0.	0.10	0.45	90
934	40	6.16	6.16	2360.	0.	0.12	0.53	6.16	6.16	116.	0.	0.01	0.03	27
935	40	6.16	6.16	710.	0.	0.04	0.16	6.16	6.16	197.	0.	0.01	0.04	8
936	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
937	40	6.16	6.16	56.	0.	0.00	0.01	6.16	6.16	27.	0.	0.00	0.01	1
938	40	6.16	6.16	1329.	0.	0.07	0.30	6.16	6.16	271.	0.	0.01	0.06	15
939	40	6.16	6.16	3279.	0.	0.17	0.73	6.16	6.16	53.	0.	0.00	0.01	37
940	40	6.16	6.16	632.	0.	0.03	0.14	6.16	6.16	0.	0.	0.00	0.00	7
941	40	6.16	6.16	154.	0.	0.01	0.03	6.16	6.16	0.	0.	0.00	0.00	2
942	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
943	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
944	40	6.16	6.16	324.	0.	0.02	0.07	6.16	6.16	0.	0.	0.00	0.00	4
945	40	6.16	6.16	918.	0.	0.05	0.21	6.16	6.16	0.	0.	0.00	0.00	10
946	40	6.16	6.16	192.	0.	0.01	0.04	6.16	6.16	0.	0.	0.00	0.00	2
947	40	6.16	6.16	53.	0.	0.00	0.01	6.16	6.16	0.	0.	0.00	0.00	1
948	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
949	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
950	40	6.16	6.16	46.	0.	0.00	0.01	6.16	6.16	0.	0.	0.00	0.00	1
951	40	6.16	6.16	216.	0.	0.01	0.05	6.16	6.16	0.	0.	0.00	0.00	2
952	40	6.16	6.16	79.	0.	0.00	0.02	6.16	6.16	32.	0.	0.00	0.01	1
953	40	6.16	6.16	49.	0.	0.00	0.01	6.16	6.16	20.	0.	0.00	0.00	1
954	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
955	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
956	40	6.16	6.16	4.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
957	40	6.16	6.16	61.	0.	0.00	0.01	6.16	6.16	0.	0.	0.00	0.00	1
958	40	6.16	6.16	39.	0.	0.00	0.01	6.16	6.16	42.	0.	0.00	0.01	0
959	40	6.16	6.16	52.	0.	0.00	0.01	6.16	6.16	54.	0.	0.00	0.01	1
960	40	6.16	6.16	49.	0.	0.00	0.01	6.16	6.16	69.	0.	0.00	0.02	1
961	40	6.16	6.16	15.	0.	0.00	0.00	6.16	6.16	65.	0.	0.00	0.01	1
962	40	6.16	6.16	14.	0.	0.00	0.00	6.16	6.16	44.	0.	0.00	0.01	1
963	40	6.16	6.16	26.	0.	0.00	0.01	6.16	6.16	16.	0.	0.00	0.00	0
964	40	6.16	6.16	2.	0.	0.00	0.00	6.16	6.16	31.	0.	0.00	0.01	0
965	40	6.16	6.16	29.	0.	0.00	0.01	6.16	6.16	42.	0.	0.00	0.01	0
966	40	6.16	6.16	45.	0.	0.00	0.01	6.16	6.16	64.	0.	0.00	0.01	1
967	40	6.16	6.16	44.	0.	0.00	0.01	6.16	6.16	64.	0.	0.00	0.01	1
968	40	6.16	6.16	45.	0.	0.00	0.01	6.16	6.16	44.	0.	0.00	0.01	1
969	40	6.16	6.16	27.	0.	0.00	0.01	6.16	6.16	22.	0.	0.00	0.00	0
970	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
971	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
972	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	12.	0.	0.00	0.00	0
973	40	6.16	6.16	42.	0.	0.00	0.01	6.16	6.16	36.	0.	0.00	0.01	0
974	40	6.16	6.16	49.	0.	0.00	0.01	6.16	6.16	0.	0.	0.00	0.00	1

975	40	6.16	6.16	40.	0.	0.00	0.01	6.16	6.16	0.	0.	0.00	0.00	0
976	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
977	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
978	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
979	40	6.16	6.16	8.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
980	40	6.16	6.16	46.	0.	0.00	0.01	6.16	6.16	0.	0.	0.00	0.00	1
981	40	6.16	6.16	108.	0.	0.01	0.02	6.16	6.16	0.	0.	0.00	0.00	1
982	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
983	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
984	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
985	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
986	40	6.16	6.16	130.	0.	0.01	0.03	6.16	6.16	0.	0.	0.00	0.00	1
987	40	6.16	6.16	407.	0.	0.02	0.09	6.16	6.16	0.	0.	0.00	0.00	5
988	40	6.16	6.16	334.	0.	0.02	0.07	6.16	6.16	0.	0.	0.00	0.00	4
989	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
990	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
991	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
992	40	6.16	6.16	725.	0.	0.04	0.16	6.16	6.16	0.	0.	0.00	0.00	8
993	40	6.16	6.16	1588.	0.	0.08	0.35	6.16	6.16	0.	0.	0.00	0.00	18
994	40	6.16	6.16	2572.	0.	0.13	0.57	6.16	6.16	0.	0.	0.00	0.00	29
995	40	6.16	6.16	585.	0.	0.03	0.13	6.16	6.16	0.	0.	0.00	0.00	7
996	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
997	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
998	40	6.16	6.16	2494.	0.	0.13	0.56	6.16	6.16	68.	0.	0.00	0.02	28
999	40	6.16	6.16	5600.	0.	0.29	1.25	6.16	6.16	0.	0.	0.00	0.00	64
1000	40	14.41	6.16	6837.	0.	0.25	0.67	6.16	6.16	1999.	0.	0.10	0.45	34
1001	40	6.16	6.16	1222.	0.	0.06	0.27	6.16	6.16	2703.	0.	0.14	0.60	31
1002	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	800.	0.	0.04	0.18	9
1003	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	2369.	0.	0.12	0.53	27
1004	40	6.16	6.16	3909.	0.	0.20	0.87	6.16	6.16	4645.	0.	0.24	1.04	53
1005	40	14.41	6.16	12518.	0.	0.46	1.23	6.16	6.16	3478.	0.	0.18	0.78	63
1006	40	14.41	6.16	11554.	0.	0.43	1.13	14.54	6.16	12935.	0.	0.48	1.26	64
1007	40	6.16	6.16	586.	0.	0.03	0.13	14.54	6.16	8146.	0.	0.30	0.79	41
1008	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	3746.	0.	0.19	0.84	43
1009	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	5427.	0.	0.28	1.21	62
1010	40	6.16	6.16	2509.	0.	0.13	0.56	16.63	6.16	12454.	0.	0.44	1.06	54
1011	40	14.41	6.16	17910.	0.	0.66	1.76	16.63	6.16	18254.	0.	0.64	1.56	90
1012	40	14.29	6.16	9231.	0.	0.34	0.91	14.58	6.16	10224.	0.	0.38	0.99	51
1013	40	6.16	6.16	446.	0.	0.02	0.10	6.16	6.16	6799.	0.	0.35	1.52	78
1014	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	2624.	0.	0.13	0.59	30
1015	40	6.16	6.16	46.	0.	0.00	0.01	6.16	6.16	3156.	0.	0.16	0.70	36
1016	40	6.16	6.16	1003.	0.	0.05	0.22	6.16	6.16	8133.	0.	0.42	1.82	93
1017	40	14.29	6.16	12542.	0.	0.46	1.24	14.41	6.16	12356.	0.	0.46	1.21	63
1018	40	14.29	6.16	8643.	0.	0.32	0.85	6.16	6.16	3107.	0.	0.16	0.69	44
1019	40	6.16	6.16	1412.	0.	0.07	0.32	6.16	6.16	2985.	0.	0.15	0.67	34
1020	40	6.16	6.16	59.	0.	0.00	0.01	6.16	6.16	1536.	0.	0.08	0.34	18
1021	40	6.16	6.16	77.	0.	0.00	0.02	6.16	6.16	1668.	0.	0.09	0.37	19
1022	40	6.16	6.16	2217.	0.	0.11	0.50	6.16	6.16	3661.	0.	0.19	0.82	42
1023	40	14.29	6.16	10323.	0.	0.38	1.02	6.16	6.16	3722.	0.	0.19	0.83	52
1024	40	14.41	6.16	13097.	0.	0.48	1.29	14.54	6.16	13216.	0.	0.49	1.29	66
1025	40	6.16	6.16	889.	0.	0.05	0.20	14.54	6.16	8471.	0.	0.31	0.82	42
1026	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	3526.	0.	0.18	0.79	40
1027	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	5272.	0.	0.27	1.18	60
1028	40	6.16	6.16	3025.	0.	0.16	0.68	16.63	6.16	13026.	0.	0.46	1.11	57
1030	40	14.41	6.16	8643.	0.	0.32	0.85	6.16	6.16	1336.	0.	0.07	0.30	43
1031	40	6.16	6.16	1865.	0.	0.10	0.42	6.16	6.16	1799.	0.	0.09	0.40	21
1032	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1033	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	1417.	0.	0.07	0.32	16
1034	40	6.16	6.16	4140.	0.	0.21	0.92	6.16	6.16	4011.	0.	0.21	0.90	47
1035	40	14.41	6.16	12162.	0.	0.45	1.19	6.16	6.16	2846.	0.	0.15	0.64	61
1037	40	6.16	6.16	1537.	0.	0.08	0.34	6.16	6.16	1584.	0.	0.08	0.35	18
1038	40	6.16	6.16	827.	0.	0.04	0.18	6.16	6.16	873.	0.	0.04	0.19	10
1039	40	6.16	6.16	264.	0.	0.01	0.06	6.16	6.16	39.	0.	0.00	0.01	3
1040	40	6.16	6.16	2383.	0.	0.12	0.53	6.16	6.16	0.	0.	0.00	0.00	27
1041	40	6.16	6.16	5040.	0.	0.26	1.13	6.16	6.16	0.	0.	0.00	0.00	58
1043	40	6.16	6.16	1277.	0.	0.07	0.29	6.16	6.16	3175.	0.	0.16	0.71	36
1045	40	6.16	6.16	646.	0.	0.03	0.14	6.16	6.16	2405.	0.	0.12	0.54	27
1046	40	6.16	6.16	998.	0.	0.05	0.22	6.16	6.16	2122.	0.	0.11	0.47	24
1047	40	6.16	6.16	1334.	0.	0.07	0.30	6.16	6.16	1666.	0.	0.09	0.37	19
1051	40	6.16	6.16	1189.	0.	0.06	0.27	6.16	6.16	2798.	0.	0.14	0.63	32
1052	40	6.16	6.16	874.	0.	0.04	0.20	6.16	6.16	2872.	0.	0.15	0.64	33
1053	40	6.16	6.16	953.	0.	0.05	0.21	6.16	6.16	3259.	0.	0.17	0.73	37
1058	40	14.29	6.16	9498.	0.	0.35	0.94	14.49	6.16	9291.	0.	0.34	0.91	48
1059	40	6.16	6.16	1414.	0.	0.07	0.32	6.16	6.16	6185.	0.	0.32	1.38	71
1060	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	2468.	0.	0.13	0.55	28
1061	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	3088.	0.	0.16	0.69	35
1062	40	6.16	6.16	2149.	0.	0.11	0.48	6.16	6.16	7689.	0.	0.40	1.72	88
1063	40	14.29	6.16	12171.	0.	0.45	1.20	14.45	6.16	11959.	0.	0.44	1.17	62
1064	40	6.16	6.16	6022.	0.	0.31	1.35	6.16	6.16	1554.	0.	0.08	0.35	69
1065	40	6.16	6.16	1546.	0.	0.08	0.35	6.16	6.16	1876.	0.	0.10	0.42	21
1066	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	853.	0.	0.04	0.19	10
1067	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	1367.	0.	0.07	0.31	16
1068	40	6.16	6.16	2410.	0.	0.12	0.54	6.16	6.16	2616.	0.	0.13	0.58	30
1069	40	6.16	6.16	7784.	0.	0.40	1.74	6.16	6.16	2872.	0.	0.15	0.64	89

1070	40	6.16	6.16	2401.	0.	0.12	0.54	6.16	6.16	0.	0.	0.00	0.00	27
1071	40	6.16	6.16	750.	0.	0.04	0.17	6.16	6.16	140.	0.	0.01	0.03	9
1072	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1073	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	161.	0.	0.01	0.04	2
1074	40	6.16	6.16	1321.	0.	0.07	0.30	6.16	6.16	276.	0.	0.01	0.06	15
1075	40	6.16	6.16	3251.	0.	0.17	0.73	6.16	6.16	226.	0.	0.01	0.05	37
1076	40	6.16	6.16	661.	0.	0.03	0.15	6.16	6.16	0.	0.	0.00	0.00	8
1077	40	6.16	6.16	133.	0.	0.01	0.03	6.16	6.16	0.	0.	0.00	0.00	2
1078	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1079	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1080	40	6.16	6.16	374.	0.	0.02	0.08	6.16	6.16	0.	0.	0.00	0.00	4
1081	40	6.16	6.16	900.	0.	0.05	0.20	6.16	6.16	0.	0.	0.00	0.00	10
1082	40	6.16	6.16	249.	0.	0.01	0.06	6.16	6.16	0.	0.	0.00	0.00	3
1083	40	6.16	6.16	61.	0.	0.00	0.01	6.16	6.16	0.	0.	0.00	0.00	1
1084	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1085	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1086	40	6.16	6.16	50.	0.	0.00	0.01	6.16	6.16	0.	0.	0.00	0.00	1
1087	40	6.16	6.16	205.	0.	0.01	0.05	6.16	6.16	0.	0.	0.00	0.00	2
1088	40	6.16	6.16	241.	0.	0.01	0.05	6.16	6.16	0.	0.	0.00	0.00	3
1089	40	6.16	6.16	208.	0.	0.01	0.05	6.16	6.16	0.	0.	0.00	0.00	2
1090	40	6.16	6.16	100.	0.	0.01	0.02	6.16	6.16	0.	0.	0.00	0.00	1
1091	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1092	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1093	40	6.16	6.16	34.	0.	0.00	0.01	6.16	6.16	0.	0.	0.00	0.00	0
1094	40	6.16	6.16	702.	0.	0.04	0.16	6.16	6.16	0.	0.	0.00	0.00	8
1095	40	6.16	6.16	422.	0.	0.02	0.09	6.16	6.16	140.	0.	0.01	0.03	5
1096	40	6.16	6.16	162.	0.	0.01	0.04	6.16	6.16	170.	0.	0.01	0.04	2
1097	40	6.16	6.16	17.	0.	0.00	0.00	6.16	6.16	132.	0.	0.01	0.03	2
1098	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	63.	0.	0.00	0.01	1
1099	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	6.	0.	0.00	0.00	0
1100	40	6.16	6.16	1503.	0.	0.08	0.34	6.16	6.16	471.	0.	0.02	0.11	17
1101	40	6.16	6.16	595.	0.	0.03	0.13	6.16	6.16	566.	0.	0.03	0.13	7
1102	40	6.16	6.16	153.	0.	0.01	0.03	6.16	6.16	408.	0.	0.02	0.09	5
1103	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	235.	0.	0.01	0.05	3
1104	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	62.	0.	0.00	0.01	1
1105	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	18.	0.	0.00	0.00	0
1106	40	6.16	6.16	2284.	0.	0.12	0.51	6.16	6.16	2024.	0.	0.10	0.45	26
1107	40	6.16	6.16	503.	0.	0.03	0.11	6.16	6.16	1258.	0.	0.06	0.28	14
1108	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	549.	0.	0.03	0.12	6
1109	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	146.	0.	0.01	0.03	2
1110	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	31.	0.	0.00	0.01	0
1111	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1112	40	6.16	6.16	2006.	0.	0.10	0.45	6.16	6.16	1419.	0.	0.07	0.32	23
1113	40	6.16	6.16	298.	0.	0.02	0.07	6.16	6.16	760.	0.	0.04	0.17	9
1114	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	335.	0.	0.02	0.07	4
1115	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	43.	0.	0.00	0.01	0
1116	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1117	40	6.16	6.16	7.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1118	40	6.16	6.16	946.	0.	0.05	0.21	6.16	6.16	0.	0.	0.00	0.00	11
1119	40	6.16	6.16	150.	0.	0.01	0.03	6.16	6.16	12.	0.	0.00	0.00	2
1120	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1121	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1122	40	6.16	6.16	18.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1123	40	6.16	6.16	314.	0.	0.02	0.07	6.16	6.16	0.	0.	0.00	0.00	4
1124	40	6.16	6.16	503.	0.	0.03	0.11	6.16	6.16	0.	0.	0.00	0.00	6
1125	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1126	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1127	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1128	40	6.16	6.16	638.	0.	0.03	0.14	6.16	6.16	0.	0.	0.00	0.00	7
1129	40	6.16	6.16	1454.	0.	0.07	0.32	6.16	6.16	0.	0.	0.00	0.00	17
1130	40	6.16	6.16	2462.	0.	0.13	0.55	6.16	6.16	0.	0.	0.00	0.00	28
1131	40	6.16	6.16	362.	0.	0.02	0.08	6.16	6.16	0.	0.	0.00	0.00	4
1132	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1133	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1134	40	6.16	6.16	2297.	0.	0.12	0.51	6.16	6.16	86.	0.	0.00	0.02	26
1135	40	6.16	6.16	5273.	0.	0.27	1.18	6.16	6.16	0.	0.	0.00	0.00	60
1136	40	14.64	6.16	6821.	0.	0.25	0.66	6.16	6.16	1845.	0.	0.09	0.41	34
1137	40	6.16	6.16	1230.	0.	0.06	0.27	6.16	6.16	2522.	0.	0.13	0.56	29
1138	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	687.	0.	0.04	0.15	8
1139	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	2130.	0.	0.11	0.48	24
1140	40	6.16	6.16	3679.	0.	0.19	0.82	6.16	6.16	4373.	0.	0.22	0.98	50
1141	40	14.41	6.16	11296.	0.	0.42	1.11	6.16	6.16	4562.	0.	0.23	1.02	57
1142	40	14.64	6.16	11472.	0.	0.42	1.11	14.45	6.16	12696.	0.	0.47	1.24	64
1143	40	6.16	6.16	671.	0.	0.03	0.15	14.45	6.16	7984.	0.	0.29	0.78	40
1144	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	3601.	0.	0.19	0.80	41
1145	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	5117.	0.	0.26	1.14	58
1146	40	6.16	6.16	2326.	0.	0.12	0.52	14.54	6.16	12448.	0.	0.46	1.21	62
1147	40	14.41	6.16	16742.	0.	0.62	1.64	14.54	6.16	17867.	0.	0.66	1.74	89
1148	40	14.29	6.16	9511.	0.	0.35	0.94	14.49	6.16	10334.	0.	0.38	1.01	52
1149	40	6.16	6.16	537.	0.	0.03	0.12	6.16	6.16	6924.	0.	0.36	1.55	79
1150	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	2666.	0.	0.14	0.60	30
1151	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	3120.	0.	0.16	0.70	36
1153	40	14.29	6.16	12112.	0.	0.45	1.20	14.45	6.16	12755.	0.	0.47	1.25	64
1154	40	14.29	6.16	8906.	0.	0.33	0.88	6.16	6.16	3189.	0.	0.16	0.71	45

1155	40	6.16	6.16	1495.	0.	0.08	0.33	6.16	6.16	2980.	0.	0.15	0.67	34
1156	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	1485.	0.	0.08	0.33	17
1157	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	1641.	0.	0.08	0.37	19
1158	40	6.16	6.16	2068.	0.	0.11	0.46	6.16	6.16	3642.	0.	0.19	0.81	42
1159	40	14.29	6.16	11189.	0.	0.41	1.11	6.16	6.16	4650.	0.	0.24	1.04	57
1160	40	14.64	6.16	12920.	0.	0.47	1.25	14.45	6.16	13092.	0.	0.48	1.28	66
1161	40	6.16	6.16	998.	0.	0.05	0.22	14.45	6.16	8371.	0.	0.31	0.82	42
1162	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	3412.	0.	0.18	0.76	39
1163	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	4969.	0.	0.26	1.11	57
1164	40	6.16	6.16	2882.	0.	0.15	0.64	14.54	6.16	12516.	0.	0.46	1.22	62
1165	40	14.41	6.16	18356.	0.	0.68	1.80	14.54	6.16	19035.	0.	0.70	1.85	95
1166	40	14.64	6.16	8521.	0.	0.31	0.82	6.16	6.16	1434.	0.	0.07	0.32	42
1167	40	6.16	6.16	1908.	0.	0.10	0.43	6.16	6.16	1959.	0.	0.10	0.44	22
1168	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	374.	0.	0.02	0.08	4
1169	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	1444.	0.	0.07	0.32	17
1170	40	6.16	6.16	3970.	0.	0.20	0.89	6.16	6.16	3808.	0.	0.20	0.85	45
1171	40	14.41	6.16	12238.	0.	0.45	1.20	6.16	6.16	3860.	0.	0.20	0.86	61
1173	40	6.16	6.16	1551.	0.	0.08	0.35	6.16	6.16	1622.	0.	0.08	0.36	19
1174	40	6.16	6.16	838.	0.	0.04	0.19	6.16	6.16	1189.	0.	0.06	0.27	14
1175	40	6.16	6.16	178.	0.	0.01	0.04	6.16	6.16	82.	0.	0.00	0.02	2
1176	40	6.16	6.16	2354.	0.	0.12	0.53	6.16	6.16	0.	0.	0.00	0.00	27
1177	40	6.16	6.16	4713.	0.	0.24	1.05	6.16	6.16	0.	0.	0.00	0.00	54
1179	40	6.16	6.16	1274.	0.	0.07	0.28	6.16	6.16	3012.	0.	0.15	0.67	34
1181	40	6.16	6.16	865.	0.	0.04	0.19	6.16	6.16	2580.	0.	0.13	0.58	29
1182	40	6.16	6.16	1004.	0.	0.05	0.22	6.16	6.16	2242.	0.	0.12	0.50	26
1183	40	6.16	6.16	1242.	0.	0.06	0.28	6.16	6.16	1300.	0.	0.07	0.29	15
1187	40	6.16	6.16	1175.	0.	0.06	0.26	6.16	6.16	2768.	0.	0.14	0.62	32
1188	40	6.16	6.16	1000.	0.	0.05	0.22	6.16	6.16	3007.	0.	0.15	0.67	34
1194	40	14.29	6.16	12278.	0.	0.45	1.21	14.41	6.16	11870.	0.	0.44	1.16	62
1195	40	14.29	6.16	9612.	0.	0.36	0.95	14.49	6.16	9788.	0.	0.36	0.95	49
1196	40	6.16	6.16	2169.	0.	0.11	0.48	6.16	6.16	7942.	0.	0.41	1.77	91
1197	40	6.16	6.16	1232.	0.	0.06	0.28	6.16	6.16	6364.	0.	0.33	1.42	73
1198	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	3197.	0.	0.16	0.71	37
1199	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	2488.	0.	0.13	0.56	28
1200	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	2533.	0.	0.13	0.57	29
1201	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	3199.	0.	0.16	0.71	37
1202	40	6.16	6.16	1338.	0.	0.07	0.30	6.16	6.16	5894.	0.	0.30	1.32	67
1203	40	6.16	6.16	2156.	0.	0.11	0.48	6.16	6.16	7366.	0.	0.38	1.65	84
1204	40	14.29	6.16	9021.	0.	0.33	0.89	14.49	6.16	9352.	0.	0.34	0.91	47
1205	40	14.29	6.16	11595.	0.	0.43	1.15	14.45	6.16	11992.	0.	0.44	1.17	60
1206	40	6.16	6.16	7858.	0.	0.40	1.76	6.16	6.16	2165.	0.	0.11	0.48	90
1207	40	6.16	6.16	5908.	0.	0.30	1.32	6.16	6.16	1895.	0.	0.10	0.42	67
1208	40	6.16	6.16	2490.	0.	0.13	0.56	6.16	6.16	2685.	0.	0.14	0.60	31
1209	40	6.16	6.16	1416.	0.	0.07	0.32	6.16	6.16	1998.	0.	0.10	0.45	23
1210	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	1448.	0.	0.07	0.32	17
1211	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	770.	0.	0.04	0.17	9
1212	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	797.	0.	0.04	0.18	9
1213	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	1447.	0.	0.07	0.32	17
1214	40	6.16	6.16	1424.	0.	0.07	0.32	6.16	6.16	1992.	0.	0.10	0.44	23
1215	40	6.16	6.16	2465.	0.	0.13	0.55	6.16	6.16	2668.	0.	0.14	0.60	30
1216	40	6.16	6.16	5959.	0.	0.31	1.33	6.16	6.16	1747.	0.	0.09	0.39	68
1217	40	6.16	6.16	7831.	0.	0.40	1.75	6.16	6.16	2886.	0.	0.15	0.64	89
1218	40	6.16	6.16	3299.	0.	0.17	0.74	6.16	6.16	109.	0.	0.01	0.02	38
1219	40	6.16	6.16	2379.	0.	0.12	0.53	6.16	6.16	135.	0.	0.01	0.03	27
1220	40	6.16	6.16	1354.	0.	0.07	0.30	6.16	6.16	271.	0.	0.01	0.06	15
1221	40	6.16	6.16	707.	0.	0.04	0.16	6.16	6.16	327.	0.	0.02	0.07	8
1222	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	65.	0.	0.00	0.01	1
1223	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1224	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	109.	0.	0.01	0.02	1
1225	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1226	40	6.16	6.16	731.	0.	0.04	0.16	6.16	6.16	322.	0.	0.02	0.07	8
1227	40	6.16	6.16	1365.	0.	0.07	0.30	6.16	6.16	263.	0.	0.01	0.06	16
1228	40	6.16	6.16	2365.	0.	0.12	0.53	6.16	6.16	84.	0.	0.00	0.02	27
1229	40	6.16	6.16	3268.	0.	0.17	0.73	6.16	6.16	211.	0.	0.01	0.05	37
1230	40	6.16	6.16	914.	0.	0.05	0.20	6.16	6.16	0.	0.	0.00	0.00	10
1231	40	6.16	6.16	605.	0.	0.03	0.14	6.16	6.16	0.	0.	0.00	0.00	7
1232	40	6.16	6.16	346.	0.	0.02	0.08	6.16	6.16	0.	0.	0.00	0.00	4
1233	40	6.16	6.16	105.	0.	0.01	0.02	6.16	6.16	0.	0.	0.00	0.00	1
1234	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1235	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1236	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1237	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1238	40	6.16	6.16	129.	0.	0.01	0.03	6.16	6.16	0.	0.	0.00	0.00	1
1239	40	6.16	6.16	371.	0.	0.02	0.08	6.16	6.16	0.	0.	0.00	0.00	4
1240	40	6.16	6.16	604.	0.	0.03	0.14	6.16	6.16	0.	0.	0.00	0.00	7
1241	40	6.16	6.16	909.	0.	0.05	0.20	6.16	6.16	0.	0.	0.00	0.00	10
1242	40	6.16	6.16	216.	0.	0.01	0.05	6.16	6.16	0.	0.	0.00	0.00	2
1243	40	6.16	6.16	146.	0.	0.01	0.03	6.16	6.16	0.	0.	0.00	0.00	2
1244	40	6.16	6.16	51.	0.	0.00	0.01	6.16	6.16	0.	0.	0.00	0.00	1
1245	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1246	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1247	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1248	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1249	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0

1250	40	6.16	6.16	5.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1251	40	6.16	6.16	46.	0.	0.00	0.01	6.16	6.16	0.	0.	0.00	0.00	1
1252	40	6.16	6.16	145.	0.	0.01	0.03	6.16	6.16	0.	0.	0.00	0.00	2
1253	40	6.16	6.16	210.	0.	0.01	0.05	6.16	6.16	0.	0.	0.00	0.00	2
1254	40	6.16	6.16	59.	0.	0.00	0.01	6.16	6.16	0.	0.	0.00	0.00	1
1255	40	6.16	6.16	47.	0.	0.00	0.01	6.16	6.16	22.	0.	0.00	0.00	1
1256	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1257	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1258	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1259	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1260	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1261	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1262	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	24.	0.	0.00	0.01	0
1263	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1264	40	6.16	6.16	47.	0.	0.00	0.01	6.16	6.16	20.	0.	0.00	0.00	1
1265	40	6.16	6.16	40.	0.	0.00	0.01	6.16	6.16	0.	0.	0.00	0.00	0
1266	40	6.16	6.16	24.	0.	0.00	0.01	6.16	6.16	15.	0.	0.00	0.00	0
1267	40	6.16	6.16	38.	0.	0.00	0.01	6.16	6.16	63.	0.	0.00	0.01	1
1268	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	38.	0.	0.00	0.01	0
1269	40	6.16	6.16	9.	0.	0.00	0.00	6.16	6.16	62.	0.	0.00	0.01	1
1270	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	56.	0.	0.00	0.01	1
1271	40	6.16	6.16	7.	0.	0.00	0.00	6.16	6.16	61.	0.	0.00	0.01	1
1272	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	60.	0.	0.00	0.01	1
1273	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	56.	0.	0.00	0.01	1
1274	40	6.16	6.16	3.	0.	0.00	0.00	6.16	6.16	63.	0.	0.00	0.01	1
1275	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	24.	0.	0.00	0.01	0
1276	40	6.16	6.16	38.	0.	0.00	0.01	6.16	6.16	61.	0.	0.00	0.01	1
1277	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1278	40	6.16	6.16	21.	0.	0.00	0.00	6.16	6.16	16.	0.	0.00	0.00	0
1279	40	6.16	6.16	39.	0.	0.00	0.01	6.16	6.16	44.	0.	0.00	0.01	0
1280	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	24.	0.	0.00	0.01	0
1281	40	6.16	6.16	13.	0.	0.00	0.00	6.16	6.16	52.	0.	0.00	0.01	1
1282	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	42.	0.	0.00	0.01	0
1283	40	6.16	6.16	2.	0.	0.00	0.00	6.16	6.16	50.	0.	0.00	0.01	1
1284	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	51.	0.	0.00	0.01	1
1285	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	42.	0.	0.00	0.01	0
1286	40	6.16	6.16	8.	0.	0.00	0.00	6.16	6.16	52.	0.	0.00	0.01	1
1287	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	23.	0.	0.00	0.01	0
1288	40	6.16	6.16	38.	0.	0.00	0.01	6.16	6.16	43.	0.	0.00	0.01	0
1289	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	12.	0.	0.00	0.00	0
1290	40	6.16	6.16	32.	0.	0.00	0.01	6.16	6.16	0.	0.	0.00	0.00	0
1291	40	6.16	6.16	35.	0.	0.00	0.01	6.16	6.16	0.	0.	0.00	0.00	0
1292	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1293	40	6.16	6.16	2.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1294	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1295	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1296	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1297	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1298	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1299	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1300	40	6.16	6.16	34.	0.	0.00	0.01	6.16	6.16	0.	0.	0.00	0.00	0
1301	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1302	40	6.16	6.16	98.	0.	0.01	0.02	6.16	6.16	0.	0.	0.00	0.00	1
1303	40	6.16	6.16	52.	0.	0.00	0.01	6.16	6.16	0.	0.	0.00	0.00	1
1304	40	6.16	6.16	6.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1305	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1306	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1307	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1308	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1309	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1310	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1311	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1312	40	6.16	6.16	50.	0.	0.00	0.01	6.16	6.16	0.	0.	0.00	0.00	1
1313	40	6.16	6.16	35.	0.	0.00	0.01	6.16	6.16	0.	0.	0.00	0.00	0
1314	40	6.16	6.16	387.	0.	0.02	0.09	6.16	6.16	0.	0.	0.00	0.00	4
1315	40	6.16	6.16	182.	0.	0.01	0.04	6.16	6.16	0.	0.	0.00	0.00	2
1316	40	6.16	6.16	93.	0.	0.00	0.02	6.16	6.16	0.	0.	0.00	0.00	1
1317	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1318	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1319	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1320	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1321	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1322	40	6.16	6.16	5.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1323	40	6.16	6.16	76.	0.	0.00	0.02	6.16	6.16	0.	0.	0.00	0.00	1
1324	40	6.16	6.16	180.	0.	0.01	0.04	6.16	6.16	0.	0.	0.00	0.00	2
1325	40	6.16	6.16	332.	0.	0.02	0.07	6.16	6.16	0.	0.	0.00	0.00	4
1326	40	6.16	6.16	1586.	0.	0.08	0.35	6.16	6.16	0.	0.	0.00	0.00	18
1327	40	6.16	6.16	850.	0.	0.04	0.19	6.16	6.16	0.	0.	0.00	0.00	10
1328	40	6.16	6.16	733.	0.	0.04	0.16	6.16	6.16	0.	0.	0.00	0.00	8
1329	40	6.16	6.16	173.	0.	0.01	0.04	6.16	6.16	0.	0.	0.00	0.00	2
1330	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1331	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1332	40	6.16	6.16	2.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1333	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0

1334	40	6.16	6.16	254.	0.	0.01	0.06	6.16	6.16	0.	0.	0.00	0.00	3
1335	40	6.16	6.16	686.	0.	0.04	0.15	6.16	6.16	0.	0.	0.00	0.00	8
1336	40	6.16	6.16	829.	0.	0.04	0.19	6.16	6.16	0.	0.	0.00	0.00	9
1337	40	6.16	6.16	1469.	0.	0.08	0.33	6.16	6.16	0.	0.	0.00	0.00	17
1338	40	6.16	6.16	5696.	0.	0.29	1.27	6.16	6.16	2.	0.	0.00	0.00	65
1339	40	6.16	6.16	3588.	0.	0.18	0.80	6.16	6.16	0.	0.	0.00	0.00	41
1340	40	6.16	6.16	2596.	0.	0.13	0.58	6.16	6.16	181.	0.	0.01	0.04	30
1341	40	6.16	6.16	1155.	0.	0.06	0.26	6.16	6.16	77.	0.	0.00	0.02	13
1342	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1343	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1344	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	66.	0.	0.00	0.01	1
1345	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	25.	0.	0.00	0.01	0
1346	40	6.16	6.16	1131.	0.	0.06	0.25	6.16	6.16	67.	0.	0.00	0.01	13
1347	40	6.16	6.16	2440.	0.	0.13	0.55	6.16	6.16	169.	0.	0.01	0.04	28
1348	40	6.16	6.16	3536.	0.	0.18	0.79	6.16	6.16	0.	0.	0.00	0.00	40
1349	40	6.16	6.16	5375.	0.	0.28	1.20	6.16	6.16	0.	0.	0.00	0.00	61
1350	40	14.41	6.16	12843.	0.	0.47	1.26	6.16	6.16	3840.	0.	0.20	0.86	64
1351	40	14.41	6.16	8096.	0.	0.30	0.79	6.16	6.16	2863.	0.	0.15	0.64	41
1352	40	6.16	6.16	4005.	0.	0.21	0.89	6.16	6.16	4966.	0.	0.26	1.11	57
1353	40	6.16	6.16	1930.	0.	0.10	0.43	6.16	6.16	3436.	0.	0.18	0.77	39
1354	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	2597.	0.	0.13	0.58	30
1355	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	1197.	0.	0.06	0.27	14
1356	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	1208.	0.	0.06	0.27	14
1357	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	2449.	0.	0.13	0.55	28
1358	40	6.16	6.16	1881.	0.	0.10	0.42	6.16	6.16	3403.	0.	0.17	0.76	39
1359	40	6.16	6.16	3820.	0.	0.20	0.85	6.16	6.16	4717.	0.	0.24	1.05	54
1360	40	14.41	6.16	8014.	0.	0.30	0.79	6.16	6.16	2712.	0.	0.14	0.61	40
1361	40	14.41	6.16	11608.	0.	0.43	1.14	6.16	6.16	4693.	0.	0.24	1.05	58
1363	40	14.41	6.16	12768.	0.	0.47	1.25	14.54	6.16	14328.	0.	0.53	1.39	71
1364	40	6.16	6.16	2725.	0.	0.14	0.61	16.63	6.16	13837.	0.	0.48	1.18	60
1365	40	6.16	6.16	914.	0.	0.05	0.20	14.54	6.16	10201.	0.	0.38	0.99	51
1366	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	5943.	0.	0.31	1.33	68
1367	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	4392.	0.	0.23	0.98	50
1368	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	4473.	0.	0.23	1.00	51
1369	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	5659.	0.	0.29	1.26	65
1370	40	6.16	6.16	998.	0.	0.05	0.22	14.54	6.16	9439.	0.	0.35	0.92	47
1371	40	6.16	6.16	2638.	0.	0.14	0.59	14.54	6.16	12512.	0.	0.46	1.22	62
1372	40	14.41	6.16	12312.	0.	0.45	1.21	14.54	6.16	14091.	0.	0.52	1.37	70
1373	40	14.41	6.16	17448.	0.	0.64	1.71	14.54	6.16	17692.	0.	0.65	1.72	88
1374	40	14.29	6.16	12125.	0.	0.45	1.20	14.41	6.16	12766.	0.	0.47	1.25	64
1375	40	14.29	6.16	9383.	0.	0.35	0.93	14.49	6.16	10499.	0.	0.39	1.02	52
1377	40	6.16	6.16	448.	0.	0.02	0.10	6.16	6.16	7115.	0.	0.37	1.59	81
1378	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	3141.	0.	0.16	0.70	36
1379	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	2698.	0.	0.14	0.60	31
1380	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	2728.	0.	0.14	0.61	31
1381	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	3153.	0.	0.16	0.70	36
1382	40	6.16	6.16	562.	0.	0.03	0.13	6.16	6.16	6804.	0.	0.35	1.52	78
1383	40	6.16	6.16	991.	0.	0.05	0.22	6.16	6.16	8145.	0.	0.42	1.82	93
1384	40	14.29	6.16	9606.	0.	0.36	0.95	14.49	6.16	10086.	0.	0.37	0.98	50
1385	40	14.29	6.16	12221.	0.	0.45	1.21	14.45	6.16	12759.	0.	0.47	1.25	64
1386	40	14.29	6.16	11362.	0.	0.42	1.12	6.16	6.16	3919.	0.	0.20	0.88	57
1387	40	14.29	6.16	8683.	0.	0.32	0.86	6.16	6.16	3243.	0.	0.17	0.72	44
1388	40	6.16	6.16	2139.	0.	0.11	0.48	6.16	6.16	3627.	0.	0.19	0.81	41
1389	40	6.16	6.16	1476.	0.	0.08	0.33	6.16	6.16	2990.	0.	0.15	0.67	34
1390	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	1660.	0.	0.09	0.37	19
1391	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	1473.	0.	0.08	0.33	17
1392	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	1493.	0.	0.08	0.33	17
1393	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	1636.	0.	0.08	0.37	19
1394	40	6.16	6.16	1558.	0.	0.08	0.35	6.16	6.16	3008.	0.	0.15	0.67	34
1395	40	6.16	6.16	2163.	0.	0.11	0.48	6.16	6.16	3607.	0.	0.19	0.81	41
1396	40	14.29	6.16	7917.	0.	0.29	0.78	6.16	6.16	3092.	0.	0.16	0.69	40
1397	40	14.29	6.16	10321.	0.	0.38	1.02	6.16	6.16	4637.	0.	0.24	1.04	53
1398	40	14.41	6.16	17954.	0.	0.66	1.76	16.63	6.16	18003.	0.	0.63	1.54	90
1399	40	14.41	6.16	13169.	0.	0.49	1.29	14.54	6.16	14255.	0.	0.52	1.39	71
1400	40	6.16	6.16	2393.	0.	0.12	0.53	16.63	6.16	12118.	0.	0.42	1.04	53
1401	40	6.16	6.16	1113.	0.	0.06	0.25	14.54	6.16	9578.	0.	0.35	0.93	48
1402	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	5270.	0.	0.27	1.18	60
1403	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	4185.	0.	0.22	0.93	48
1404	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	4253.	0.	0.22	0.95	49
1405	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	4986.	0.	0.26	1.11	57
1406	40	6.16	6.16	1224.	0.	0.06	0.27	14.54	6.16	9278.	0.	0.34	0.90	46
1407	40	6.16	6.16	2425.	0.	0.12	0.54	14.54	6.16	11397.	0.	0.42	1.11	57
1408	40	14.41	6.16	12199.	0.	0.45	1.20	14.54	6.16	13576.	0.	0.50	1.32	68
1409	40	14.41	6.16	16858.	0.	0.62	1.65	14.54	6.16	18760.	0.	0.69	1.83	93
1410	40	14.41	6.16	11572.	0.	0.43	1.14	6.16	6.16	2330.	0.	0.12	0.52	58
1411	40	14.41	6.16	8372.	0.	0.31	0.82	6.16	6.16	1792.	0.	0.09	0.40	42
1412	40	6.16	6.16	3605.	0.	0.19	0.81	6.16	6.16	3652.	0.	0.19	0.82	42
1413	40	6.16	6.16	1720.	0.	0.09	0.38	6.16	6.16	2439.	0.	0.13	0.54	28
1414	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	1082.	0.	0.06	0.24	12
1415	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	537.	0.	0.03	0.12	6
1416	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	529.	0.	0.03	0.12	6
1417	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	1060.	0.	0.05	0.24	12
1418	40	6.16	6.16	1669.	0.	0.09	0.37	6.16	6.16	2422.	0.	0.12	0.54	28
1419	40	6.16	6.16	3423.	0.	0.18	0.76	6.16	6.16	3437.	0.	0.18	0.77	39

1420	40	14.41	6.16	8284.	0.	0.31	0.81	6.16	6.16	1632.	0.	0.08	0.36	42
1421	40	14.41	6.16	11637.	0.	0.43	1.14	6.16	6.16	3654.	0.	0.19	0.82	58
1422	40	6.16	6.16	4605.	0.	0.24	1.03	6.16	6.16	0.	0.	0.00	0.00	53
1423	40	6.16	6.16	2726.	0.	0.14	0.61	6.16	6.16	0.	0.	0.00	0.00	31
1424	40	6.16	6.16	1926.	0.	0.10	0.43	6.16	6.16	0.	0.	0.00	0.00	22
1425	40	6.16	6.16	485.	0.	0.02	0.11	6.16	6.16	0.	0.	0.00	0.00	6
1426	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1427	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1428	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1429	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1430	40	6.16	6.16	468.	0.	0.02	0.10	6.16	6.16	0.	0.	0.00	0.00	5
1431	40	6.16	6.16	1824.	0.	0.09	0.41	6.16	6.16	0.	0.	0.00	0.00	21
1432	40	6.16	6.16	2695.	0.	0.14	0.60	6.16	6.16	0.	0.	0.00	0.00	31
1433	40	6.16	6.16	4383.	0.	0.23	0.98	6.16	6.16	0.	0.	0.00	0.00	50
1434	40	6.16	6.16	180.	0.	0.01	0.04	6.16	6.16	0.	0.	0.00	0.00	2
1435	40	6.16	6.16	1407.	0.	0.07	0.31	6.16	6.16	329.	0.	0.02	0.07	16
1436	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1437	40	6.16	6.16	974.	0.	0.05	0.22	6.16	6.16	0.	0.	0.00	0.00	11
1438	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1439	40	6.16	6.16	56.	0.	0.00	0.01	6.16	6.16	0.	0.	0.00	0.00	1
1440	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1441	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1442	40	6.16	6.16	833.	0.	0.04	0.19	6.16	6.16	0.	0.	0.00	0.00	10
1443	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1444	40	6.16	6.16	1569.	0.	0.08	0.35	6.16	6.16	1087.	0.	0.06	0.24	18
1445	40	6.16	6.16	194.	0.	0.01	0.04	6.16	6.16	0.	0.	0.00	0.00	2
1446	40	6.16	6.16	584.	0.	0.03	0.13	6.16	6.16	4143.	0.	0.21	0.93	47
1448	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	371.	0.	0.02	0.08	4
1449	40	6.16	6.16	1493.	0.	0.08	0.33	6.16	6.16	2781.	0.	0.14	0.62	32
1450	40	6.16	6.16	778.	0.	0.04	0.17	6.16	6.16	3790.	0.	0.19	0.85	43
1451	40	6.16	6.16	1437.	0.	0.07	0.32	6.16	6.16	3438.	0.	0.18	0.77	39
1452	40	6.16	6.16	533.	0.	0.03	0.12	6.16	6.16	1826.	0.	0.09	0.41	21
1453	40	6.16	6.16	1330.	0.	0.07	0.30	6.16	6.16	3064.	0.	0.16	0.68	35
1455	40	6.16	6.16	1336.	0.	0.07	0.30	6.16	6.16	3830.	0.	0.20	0.86	44
1456	40	6.16	6.16	851.	0.	0.04	0.19	6.16	6.16	2710.	0.	0.14	0.61	31
1457	40	6.16	6.16	1157.	0.	0.06	0.26	6.16	6.16	3144.	0.	0.16	0.70	36
1460	40	6.16	6.16	686.	0.	0.04	0.15	6.16	6.16	3142.	0.	0.16	0.70	36
1461	40	6.16	6.16	1002.	0.	0.05	0.22	6.16	6.16	2755.	0.	0.14	0.62	31
1468	40	6.16	6.16	1340.	0.	0.07	0.30	6.16	6.16	3219.	0.	0.17	0.72	37
1469	40	6.16	6.16	520.	0.	0.03	0.12	6.16	6.16	1800.	0.	0.09	0.40	21
1471	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	382.	0.	0.02	0.09	4
1472	40	14.29	6.16	5262.	0.	0.19	0.52	6.16	6.16	5465.	0.	0.28	1.22	62
1474	40	6.16	6.16	1036.	0.	0.05	0.23	6.16	6.16	3672.	0.	0.19	0.82	42
1476	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	1785.	0.	0.09	0.40	20
1477	40	6.16	6.16	2226.	0.	0.11	0.50	6.16	6.16	1009.	0.	0.05	0.23	25
1478	40	6.16	6.16	15.	0.	0.00	0.00	6.16	6.16	2587.	0.	0.13	0.58	30
1479	40	6.16	6.16	2654.	0.	0.14	0.59	6.16	6.16	1966.	0.	0.10	0.44	30
1480	40	6.16	6.16	1980.	0.	0.10	0.44	6.16	6.16	5934.	0.	0.31	1.33	68
1481	40	6.16	6.16	1996.	0.	0.10	0.45	6.16	6.16	3985.	0.	0.20	0.89	46
1482	40	14.29	6.16	9480.	0.	0.35	0.94	14.49	6.16	8925.	0.	0.33	0.87	48
1483	40	14.29	6.16	5224.	0.	0.19	0.52	6.16	6.16	5587.	0.	0.29	1.25	64
1484	40	6.16	6.16	2896.	0.	0.15	0.65	6.16	6.16	970.	0.	0.05	0.22	33
1486	40	6.16	6.16	1007.	0.	0.05	0.22	6.16	6.16	1171.	0.	0.06	0.26	13
1488	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	411.	0.	0.02	0.09	5
1489	40	6.16	6.16	2461.	0.	0.13	0.55	6.16	6.16	877.	0.	0.05	0.20	28
1490	40	6.16	6.16	159.	0.	0.01	0.04	6.16	6.16	1239.	0.	0.06	0.28	14
1491	40	6.16	6.16	3682.	0.	0.19	0.82	6.16	6.16	1212.	0.	0.06	0.27	42
1492	40	6.16	6.16	2096.	0.	0.11	0.47	6.16	6.16	2133.	0.	0.11	0.48	24
1493	40	6.16	6.16	2437.	0.	0.13	0.54	6.16	6.16	1641.	0.	0.08	0.37	28
1494	40	6.16	6.16	6347.	0.	0.33	1.42	6.16	6.16	1628.	0.	0.08	0.36	73
1495	40	6.16	6.16	3572.	0.	0.18	0.80	6.16	6.16	1481.	0.	0.08	0.33	41
1496	40	6.16	6.16	1184.	0.	0.06	0.26	6.16	6.16	0.	0.	0.00	0.00	14
1498	40	6.16	6.16	539.	0.	0.03	0.12	6.16	6.16	86.	0.	0.00	0.02	6
1500	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1501	40	6.16	6.16	2704.	0.	0.14	0.60	6.16	6.16	820.	0.	0.04	0.18	31
1502	40	6.16	6.16	25.	0.	0.00	0.01	6.16	6.16	197.	0.	0.01	0.04	2
1503	40	6.16	6.16	4070.	0.	0.21	0.91	6.16	6.16	820.	0.	0.04	0.18	46
1504	40	6.16	6.16	1101.	0.	0.06	0.25	6.16	6.16	250.	0.	0.01	0.06	13
1505	40	6.16	6.16	2682.	0.	0.14	0.60	6.16	6.16	658.	0.	0.03	0.15	31
1506	40	6.16	6.16	2581.	0.	0.13	0.58	6.16	6.16	0.	0.	0.00	0.00	29
1507	40	6.16	6.16	1886.	0.	0.10	0.42	6.16	6.16	234.	0.	0.01	0.05	22
1508	40	6.16	6.16	368.	0.	0.02	0.08	6.16	6.16	0.	0.	0.00	0.00	4
1510	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1512	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1513	40	6.16	6.16	2432.	0.	0.13	0.54	6.16	6.16	879.	0.	0.05	0.20	28
1514	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1516	40	6.16	6.16	255.	0.	0.01	0.06	6.16	6.16	0.	0.	0.00	0.00	3
1517	40	6.16	6.16	3161.	0.	0.16	0.71	6.16	6.16	542.	0.	0.03	0.12	36
1518	40	6.16	6.16	724.	0.	0.04	0.16	6.16	6.16	0.	0.	0.00	0.00	8
1519	40	6.16	6.16	824.	0.	0.04	0.18	6.16	6.16	55.	0.	0.00	0.01	9
1520	40	6.16	6.16	26.	0.	0.00	0.01	6.16	6.16	0.	0.	0.00	0.00	0
1522	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1524	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1525	40	6.16	6.16	1118.	0.	0.06	0.25	6.16	6.16	665.	0.	0.03	0.15	13

1526	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1527	40	6.16	6.16	3470.	0.	0.18	0.78	6.16	6.16	678.	0.	0.03	0.15	40
1528	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1529	40	6.16	6.16	3412.	0.	0.18	0.76	6.16	6.16	597.	0.	0.03	0.13	39
1530	40	6.16	6.16	240.	0.	0.01	0.05	6.16	6.16	0.	0.	0.00	0.00	3
1531	40	6.16	6.16	333.	0.	0.02	0.07	6.16	6.16	203.	0.	0.01	0.05	4
1532	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1534	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1536	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1537	40	6.16	6.16	591.	0.	0.03	0.13	6.16	6.16	1379.	0.	0.07	0.31	16
1538	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1539	40	6.16	6.16	3449.	0.	0.18	0.77	6.16	6.16	1278.	0.	0.07	0.29	39
1540	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1541	40	6.16	6.16	3619.	0.	0.19	0.81	6.16	6.16	1000.	0.	0.05	0.22	41
1542	40	6.16	6.16	210.	0.	0.01	0.05	6.16	6.16	0.	0.	0.00	0.00	2
1543	40	6.16	6.16	394.	0.	0.02	0.09	6.16	6.16	317.	0.	0.02	0.07	5
1544	40	6.16	6.16	126.	0.	0.01	0.03	6.16	6.16	0.	0.	0.00	0.00	1
1546	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1548	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1549	40	6.16	6.16	419.	0.	0.02	0.09	6.16	6.16	532.	0.	0.03	0.12	6
1550	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1551	40	6.16	6.16	3300.	0.	0.17	0.74	6.16	6.16	736.	0.	0.04	0.16	38
1552	40	6.16	6.16	21.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1553	40	6.16	6.16	3880.	0.	0.20	0.87	6.16	6.16	794.	0.	0.04	0.18	44
1554	40	6.16	6.16	431.	0.	0.02	0.10	6.16	6.16	0.	0.	0.00	0.00	5
1555	40	6.16	6.16	910.	0.	0.05	0.20	6.16	6.16	235.	0.	0.01	0.05	10
1556	40	6.16	6.16	314.	0.	0.02	0.07	6.16	6.16	0.	0.	0.00	0.00	4
1558	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1560	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1561	40	6.16	6.16	468.	0.	0.02	0.10	6.16	6.16	1784.	0.	0.09	0.40	20
1562	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1563	40	6.16	6.16	2911.	0.	0.15	0.65	6.16	6.16	1841.	0.	0.09	0.41	33
1564	40	6.16	6.16	156.	0.	0.01	0.03	6.16	6.16	157.	0.	0.01	0.04	2
1565	40	6.16	6.16	3895.	0.	0.20	0.87	6.16	6.16	1899.	0.	0.10	0.42	44
1566	40	6.16	6.16	1030.	0.	0.05	0.23	6.16	6.16	200.	0.	0.01	0.04	12
1567	40	6.16	6.16	2600.	0.	0.13	0.58	6.16	6.16	1266.	0.	0.07	0.28	30
1568	40	6.16	6.16	965.	0.	0.05	0.22	6.16	6.16	447.	0.	0.02	0.10	11
1570	40	6.16	6.16	17.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1572	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1574	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	84.	0.	0.00	0.02	1
1575	40	6.16	6.16	2106.	0.	0.11	0.47	6.16	6.16	1719.	0.	0.09	0.38	24
1576	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	801.	0.	0.04	0.18	9
1578	40	6.16	6.16	1699.	0.	0.09	0.38	6.16	6.16	1876.	0.	0.10	0.42	21
1579	40	6.16	6.16	3341.	0.	0.17	0.75	6.16	6.16	2114.	0.	0.11	0.47	38
1580	40	6.16	6.16	2582.	0.	0.13	0.58	6.16	6.16	1736.	0.	0.09	0.39	29
1582	40	6.16	6.16	479.	0.	0.02	0.11	6.16	6.16	26.	0.	0.00	0.01	5
1584	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1586	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	248.	0.	0.01	0.06	3
1588	40	6.16	6.16	212.	0.	0.01	0.05	6.16	6.16	858.	0.	0.04	0.19	10
1589	40	6.16	6.16	2555.	0.	0.13	0.57	6.16	6.16	1820.	0.	0.09	0.41	29
1590	40	6.16	6.16	1634.	0.	0.08	0.36	6.16	6.16	1514.	0.	0.08	0.34	19
1592	40	6.16	6.16	2681.	0.	0.14	0.60	6.16	6.16	2593.	0.	0.13	0.58	31
1594	40	6.16	6.16	2232.	0.	0.11	0.50	6.16	6.16	1459.	0.	0.08	0.33	26
1596	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	157.	0.	0.01	0.04	2
1598	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1600	40	6.16	6.16	160.	0.	0.01	0.04	6.16	6.16	145.	0.	0.01	0.03	2
1601	40	6.16	6.16	1672.	0.	0.09	0.37	6.16	6.16	1759.	0.	0.09	0.39	20
1602	40	6.16	6.16	964.	0.	0.05	0.22	6.16	6.16	88.	0.	0.00	0.02	11
1603	40	6.16	6.16	3084.	0.	0.16	0.69	6.16	6.16	2364.	0.	0.12	0.53	35
1606	40	6.16	6.16	3052.	0.	0.16	0.68	6.16	6.16	2539.	0.	0.13	0.57	35
1608	40	6.16	6.16	631.	0.	0.03	0.14	6.16	6.16	958.	0.	0.05	0.21	11
1610	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1612	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1614	40	6.16	6.16	335.	0.	0.02	0.07	6.16	6.16	0.	0.	0.00	0.00	4
1615	40	6.16	6.16	2267.	0.	0.12	0.51	6.16	6.16	1298.	0.	0.07	0.29	26
1616	40	6.16	6.16	2165.	0.	0.11	0.48	6.16	6.16	2679.	0.	0.14	0.60	31
1620	40	6.16	6.16	2241.	0.	0.12	0.50	6.16	6.16	2987.	0.	0.15	0.67	34
1622	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	1669.	0.	0.09	0.37	19
1624	40	6.16	6.16	554.	0.	0.03	0.12	6.16	6.16	307.	0.	0.02	0.07	6
1626	40	6.16	6.16	2945.	0.	0.15	0.66	6.16	6.16	0.	0.	0.00	0.00	34
1628	40	6.16	6.16	1330.	0.	0.07	0.30	6.16	6.16	2838.	0.	0.15	0.63	32
1630	40	6.16	6.16	2076.	0.	0.11	0.46	6.16	6.16	3601.	0.	0.19	0.80	41
1634	40	6.16	6.16	940.	0.	0.05	0.21	6.16	6.16	4909.	0.	0.25	1.10	56
1636	40	6.16	6.16	1908.	0.	0.10	0.43	6.16	6.16	4762.	0.	0.24	1.06	54
1638	40	14.64	6.16	8168.	0.	0.30	0.79	6.16	6.16	2977.	0.	0.15	0.67	40
1642	40	6.16	6.16	931.	0.	0.05	0.21	6.16	6.16	3522.	0.	0.18	0.79	40
1644	40	6.16	6.16	2129.	0.	0.11	0.48	6.16	6.16	4167.	0.	0.21	0.93	48
1646	40	6.16	6.16	1202.	0.	0.06	0.27	6.16	6.16	5227.	0.	0.27	1.17	60
1648	40	6.16	6.16	1857.	0.	0.10	0.41	14.45	6.16	10034.	0.	0.37	0.98	50
1650	40	14.64	6.16	13074.	0.	0.48	1.26	14.45	6.16	14165.	0.	0.52	1.39	71
1652	40	14.29	6.16	5856.	0.	0.22	0.58	6.16	6.16	7206.	0.	0.37	1.61	82
1654	40	6.16	6.16	764.	0.	0.04	0.17	6.16	6.16	4558.	0.	0.23	1.02	52
1656	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	1943.	0.	0.10	0.43	22
1657	40	6.16	6.16	1955.	0.	0.10	0.44	6.16	6.16	1780.	0.	0.09	0.40	22

1658	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	2539.	0.	0.13	0.57	29
1659	40	6.16	6.16	2156.	0.	0.11	0.48	6.16	6.16	2193.	0.	0.11	0.49	25
1660	40	6.16	6.16	1044.	0.	0.05	0.23	6.16	6.16	6556.	0.	0.34	1.46	75
1661	40	6.16	6.16	1353.	0.	0.07	0.30	6.16	6.16	4022.	0.	0.21	0.90	46
1662	40	14.29	6.16	10051.	0.	0.37	0.99	14.49	6.16	10000.	0.	0.37	0.98	51
1663	40	14.29	6.16	4640.	0.	0.17	0.46	6.16	6.16	7246.	0.	0.37	1.62	83
1664	40	14.29	6.16	4745.	0.	0.18	0.47	6.16	6.16	2280.	0.	0.12	0.51	26
1666	40	6.16	6.16	1051.	0.	0.05	0.23	6.16	6.16	1853.	0.	0.10	0.41	21
1668	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	1076.	0.	0.06	0.24	12
1669	40	6.16	6.16	1593.	0.	0.08	0.36	6.16	6.16	1345.	0.	0.07	0.30	18
1670	40	6.16	6.16	21.	0.	0.00	0.00	6.16	6.16	1287.	0.	0.07	0.29	15
1671	40	6.16	6.16	1968.	0.	0.10	0.44	6.16	6.16	1663.	0.	0.09	0.37	22
1672	40	6.16	6.16	1899.	0.	0.10	0.42	6.16	6.16	2960.	0.	0.15	0.66	34
1673	40	6.16	6.16	1033.	0.	0.05	0.23	6.16	6.16	1362.	0.	0.07	0.30	16
1674	40	14.29	6.16	8470.	0.	0.31	0.84	6.16	6.16	3073.	0.	0.16	0.69	43
1675	40	14.29	6.16	4202.	0.	0.16	0.42	6.16	6.16	1544.	0.	0.08	0.34	21
1680	40	6.16	6.16	1031.	0.	0.05	0.23	6.16	6.16	4098.	0.	0.21	0.92	47
1684	40	6.16	6.16	1011.	0.	0.05	0.23	14.45	6.16	7552.	0.	0.28	0.74	38
1686	40	14.64	6.16	12030.	0.	0.44	1.16	14.45	6.16	11662.	0.	0.43	1.14	59
1692	40	6.16	6.16	592.	0.	0.03	0.13	6.16	6.16	930.	0.	0.05	0.21	11
1694	40	6.16	6.16	1120.	0.	0.06	0.25	6.16	6.16	990.	0.	0.05	0.22	13
1698	40	14.64	6.16	7557.	0.	0.28	0.73	6.16	6.16	840.	0.	0.04	0.19	37
1700	40	14.29	6.16	7158.	0.	0.26	0.71	6.16	6.16	7284.	0.	0.37	1.63	83
1701	40	6.16	6.16	2531.	0.	0.13	0.57	6.16	6.16	1271.	0.	0.07	0.28	29
1702	40	6.16	6.16	1016.	0.	0.05	0.23	6.16	6.16	4889.	0.	0.25	1.09	56
1703	40	6.16	6.16	1102.	0.	0.06	0.25	6.16	6.16	1552.	0.	0.08	0.35	18
1704	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	2045.	0.	0.11	0.46	23
1705	40	6.16	6.16	517.	0.	0.03	0.12	6.16	6.16	1566.	0.	0.08	0.35	18
1706	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	2543.	0.	0.13	0.57	29
1707	40	6.16	6.16	309.	0.	0.02	0.07	6.16	6.16	1750.	0.	0.09	0.39	20
1708	40	6.16	6.16	1810.	0.	0.09	0.40	6.16	6.16	5935.	0.	0.31	1.33	68
1709	40	6.16	6.16	822.	0.	0.04	0.18	6.16	6.16	4697.	0.	0.24	1.05	54
1710	40	14.29	6.16	9190.	0.	0.34	0.91	14.58	6.16	8896.	0.	0.33	0.86	46
1711	40	14.29	6.16	6925.	0.	0.26	0.68	6.16	6.16	7117.	0.	0.37	1.59	81
1712	40	6.16	6.16	4323.	0.	0.22	0.97	6.16	6.16	1349.	0.	0.07	0.30	49
1713	40	6.16	6.16	2324.	0.	0.12	0.52	6.16	6.16	920.	0.	0.05	0.21	27
1714	40	6.16	6.16	1032.	0.	0.05	0.23	6.16	6.16	1490.	0.	0.08	0.33	17
1715	40	6.16	6.16	1064.	0.	0.05	0.24	6.16	6.16	730.	0.	0.04	0.16	12
1716	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	541.	0.	0.03	0.12	6
1717	40	6.16	6.16	266.	0.	0.01	0.06	6.16	6.16	643.	0.	0.03	0.14	7
1718	40	6.16	6.16	120.	0.	0.01	0.03	6.16	6.16	1116.	0.	0.06	0.25	13
1719	40	6.16	6.16	254.	0.	0.01	0.06	6.16	6.16	845.	0.	0.04	0.19	10
1720	40	6.16	6.16	1991.	0.	0.10	0.44	6.16	6.16	1971.	0.	0.10	0.44	23
1721	40	6.16	6.16	815.	0.	0.04	0.18	6.16	6.16	1321.	0.	0.07	0.30	15
1722	40	6.16	6.16	6214.	0.	0.32	1.39	6.16	6.16	1530.	0.	0.08	0.34	71
1723	40	6.16	6.16	4259.	0.	0.22	0.95	6.16	6.16	1357.	0.	0.07	0.30	49
1724	40	6.16	6.16	1459.	0.	0.08	0.33	6.16	6.16	190.	0.	0.01	0.04	17
1726	40	6.16	6.16	457.	0.	0.02	0.10	6.16	6.16	291.	0.	0.01	0.07	5
1727	40	6.16	6.16	1934.	0.	0.10	0.43	6.16	6.16	321.	0.	0.02	0.07	22
1728	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	101.	0.	0.01	0.02	1
1729	40	6.16	6.16	408.	0.	0.02	0.09	6.16	6.16	112.	0.	0.01	0.02	5
1730	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	131.	0.	0.01	0.03	1
1731	40	6.16	6.16	217.	0.	0.01	0.05	6.16	6.16	225.	0.	0.01	0.05	3
1732	40	6.16	6.16	1050.	0.	0.05	0.23	6.16	6.16	264.	0.	0.01	0.06	12
1733	40	6.16	6.16	641.	0.	0.03	0.14	6.16	6.16	172.	0.	0.01	0.04	7
1734	40	6.16	6.16	2480.	0.	0.13	0.55	6.16	6.16	43.	0.	0.00	0.01	28
1735	40	6.16	6.16	1632.	0.	0.08	0.36	6.16	6.16	0.	0.	0.00	0.00	19
1736	40	6.16	6.16	189.	0.	0.01	0.04	6.16	6.16	0.	0.	0.00	0.00	2
1737	40	6.16	6.16	2257.	0.	0.12	0.50	6.16	6.16	968.	0.	0.05	0.22	26
1738	40	6.16	6.16	105.	0.	0.01	0.02	6.16	6.16	0.	0.	0.00	0.00	1
1740	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1741	40	6.16	6.16	1911.	0.	0.10	0.43	6.16	6.16	875.	0.	0.04	0.20	22
1742	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1743	40	6.16	6.16	231.	0.	0.01	0.05	6.16	6.16	0.	0.	0.00	0.00	3
1744	40	6.16	6.16	289.	0.	0.01	0.06	6.16	6.16	0.	0.	0.00	0.00	3
1745	40	6.16	6.16	275.	0.	0.01	0.06	6.16	6.16	0.	0.	0.00	0.00	3
1746	40	6.16	6.16	713.	0.	0.04	0.16	6.16	6.16	0.	0.	0.00	0.00	8
1747	40	6.16	6.16	281.	0.	0.01	0.06	6.16	6.16	0.	0.	0.00	0.00	3
1748	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1750	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1752	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1753	40	6.16	6.16	2742.	0.	0.14	0.61	6.16	6.16	1596.	0.	0.08	0.36	31
1754	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1755	40	6.16	6.16	970.	0.	0.05	0.22	6.16	6.16	338.	0.	0.02	0.08	11
1756	40	6.16	6.16	69.	0.	0.00	0.02	6.16	6.16	0.	0.	0.00	0.00	1
1757	40	6.16	6.16	172.	0.	0.01	0.04	6.16	6.16	0.	0.	0.00	0.00	2
1758	40	6.16	6.16	196.	0.	0.01	0.04	6.16	6.16	0.	0.	0.00	0.00	2
1759	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1760	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1762	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1764	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1766	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1767	40	6.16	6.16	2381.	0.	0.12	0.53	6.16	6.16	1540.	0.	0.08	0.34	27
1768	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0

1769	40	6.16	6.16	674.	0.	0.03	0.15	6.16	6.16	287.	0.	0.01	0.06	8
1770	40	6.16	6.16	78.	0.	0.00	0.02	6.16	6.16	0.	0.	0.00	0.00	1
1771	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1772	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1774	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1776	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1778	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1780	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1781	40	6.16	6.16	2322.	0.	0.12	0.52	6.16	6.16	1666.	0.	0.09	0.37	27
1782	40	6.16	6.16	17.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1783	40	6.16	6.16	75.	0.	0.00	0.02	6.16	6.16	0.	0.	0.00	0.00	1
1784	40	6.16	6.16	69.	0.	0.00	0.02	6.16	6.16	15.	0.	0.00	0.00	1
1786	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1788	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1790	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1791	40	6.16	6.16	2716.	0.	0.14	0.61	6.16	6.16	1745.	0.	0.09	0.39	31
1792	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1793	40	6.16	6.16	3217.	0.	0.17	0.72	6.16	6.16	1901.	0.	0.10	0.42	37
1794	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	8.	0.	0.00	0.00	0
1795	40	6.16	6.16	1469.	0.	0.08	0.33	6.16	6.16	974.	0.	0.05	0.22	17
1796	40	6.16	6.16	1016.	0.	0.05	0.23	6.16	6.16	981.	0.	0.05	0.22	12
1798	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	89.	0.	0.00	0.02	1
1800	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1802	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1804	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1806	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1807	40	6.16	6.16	3125.	0.	0.16	0.70	6.16	6.16	2031.	0.	0.10	0.45	36
1808	40	6.16	6.16	2715.	0.	0.14	0.61	6.16	6.16	1962.	0.	0.10	0.44	31
1810	40	6.16	6.16	176.	0.	0.01	0.04	6.16	6.16	270.	0.	0.01	0.06	3
1812	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1814	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1816	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1818	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1820	40	6.16	6.16	3415.	0.	0.18	0.76	6.16	6.16	2402.	0.	0.12	0.54	39
1822	40	6.16	6.16	1883.	0.	0.10	0.42	6.16	6.16	1573.	0.	0.08	0.35	22
1824	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1826	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1828	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1830	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1834	40	6.16	6.16	3153.	0.	0.16	0.70	6.16	6.16	2542.	0.	0.13	0.57	36
1836	40	6.16	6.16	824.	0.	0.04	0.18	6.16	6.16	1302.	0.	0.07	0.29	15
1838	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1840	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1842	40	6.16	6.16	57.	0.	0.00	0.01	6.16	6.16	0.	0.	0.00	0.00	1
1848	40	6.16	6.16	2648.	0.	0.14	0.59	6.16	6.16	3305.	0.	0.17	0.74	38
1850	40	6.16	6.16	205.	0.	0.01	0.05	6.16	6.16	2125.	0.	0.11	0.47	24
1852	40	6.16	6.16	691.	0.	0.04	0.15	6.16	6.16	646.	0.	0.03	0.14	8
1854	40	6.16	6.16	3129.	0.	0.16	0.70	6.16	6.16	0.	0.	0.00	0.00	36
1862	40	6.16	6.16	1182.	0.	0.06	0.26	6.16	6.16	5090.	0.	0.26	1.14	58
1864	40	6.16	6.16	2200.	0.	0.11	0.49	6.16	6.16	5037.	0.	0.26	1.13	58
1866	40	14.41	6.16	8445.	0.	0.31	0.83	6.16	6.16	3183.	0.	0.16	0.71	42
1872	40	6.16	6.16	2119.	0.	0.11	0.47	6.16	6.16	4148.	0.	0.21	0.93	47
1874	40	6.16	6.16	1132.	0.	0.06	0.25	6.16	6.16	5312.	0.	0.27	1.19	61
1876	40	6.16	6.16	2127.	0.	0.11	0.48	14.54	6.16	10335.	0.	0.38	1.01	51
1878	40	14.41	6.16	13382.	0.	0.49	1.31	14.54	6.16	14483.	0.	0.53	1.41	72
1880	40	14.29	6.16	7381.	0.	0.27	0.73	6.16	6.16	8321.	0.	0.43	1.86	95
1881	40	6.16	6.16	2067.	0.	0.11	0.46	6.16	6.16	2302.	0.	0.12	0.51	26
1882	40	6.16	6.16	381.	0.	0.02	0.09	6.16	6.16	5389.	0.	0.28	1.20	62
1883	40	6.16	6.16	970.	0.	0.05	0.22	6.16	6.16	3134.	0.	0.16	0.70	36
1884	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	2240.	0.	0.12	0.50	26
1885	40	6.16	6.16	618.	0.	0.03	0.14	6.16	6.16	3629.	0.	0.19	0.81	41
1886	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	2577.	0.	0.13	0.58	29
1887	40	6.16	6.16	371.	0.	0.02	0.08	6.16	6.16	3382.	0.	0.17	0.76	39
1888	40	6.16	6.16	919.	0.	0.05	0.21	6.16	6.16	6523.	0.	0.34	1.46	75
1889	40	6.16	6.16	1406.	0.	0.07	0.31	6.16	6.16	5266.	0.	0.27	1.18	60
1890	40	14.29	6.16	9978.	0.	0.37	0.99	14.58	6.16	9925.	0.	0.36	0.96	50
1892	40	14.29	6.16	6324.	0.	0.23	0.63	6.16	6.16	2217.	0.	0.11	0.50	32
1893	40	6.16	6.16	1566.	0.	0.08	0.35	6.16	6.16	1681.	0.	0.09	0.38	19
1894	40	6.16	6.16	1008.	0.	0.05	0.23	6.16	6.16	2463.	0.	0.13	0.55	28
1895	40	6.16	6.16	844.	0.	0.04	0.19	6.16	6.16	2095.	0.	0.11	0.47	24
1896	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	1263.	0.	0.06	0.28	14
1897	40	6.16	6.16	665.	0.	0.03	0.15	6.16	6.16	2176.	0.	0.11	0.49	25
1898	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	1363.	0.	0.07	0.30	16
1899	40	6.16	6.16	710.	0.	0.04	0.16	6.16	6.16	2095.	0.	0.11	0.47	24
1900	40	6.16	6.16	1897.	0.	0.10	0.42	6.16	6.16	2963.	0.	0.15	0.66	34
1901	40	6.16	6.16	1634.	0.	0.08	0.36	6.16	6.16	2109.	0.	0.11	0.47	24
1902	40	14.29	6.16	8289.	0.	0.31	0.82	6.16	6.16	3006.	0.	0.15	0.67	42
1903	40	14.29	6.16	6086.	0.	0.23	0.60	6.16	6.16	2328.	0.	0.12	0.52	31
1912	40	6.16	6.16	1423.	0.	0.07	0.32	14.54	6.16	7690.	0.	0.28	0.75	38
1914	40	14.41	6.16	12338.	0.	0.46	1.21	14.54	6.16	11756.	0.	0.43	1.14	62
1926	40	14.41	6.16	7769.	0.	0.29	0.76	6.16	6.16	672.	0.	0.03	0.15	39
1966	40	6.16	6.16	1264.	0.	0.07	0.28	6.16	6.16	1155.	0.	0.06	0.26	14
1968	40	6.16	6.16	1768.	0.	0.09	0.39	6.16	6.16	1462.	0.	0.08	0.33	20
1970	40	6.16	6.16	2211.	0.	0.11	0.49	6.16	6.16	966.	0.	0.05	0.22	25

1972	40	6.16	6.16	2230.	0.	0.11	0.50	6.16	6.16	980.	0.	0.05	0.22	25
1974	40	6.16	6.16	1899.	0.	0.10	0.42	6.16	6.16	715.	0.	0.04	0.16	22
1976	40	6.16	6.16	1511.	0.	0.08	0.34	6.16	6.16	518.	0.	0.03	0.12	17
1984	40	6.16	6.16	2543.	0.	0.13	0.57	6.16	6.16	1694.	0.	0.09	0.38	29
1987	40	6.16	6.16	677.	0.	0.03	0.15	6.16	6.16	3963.	0.	0.20	0.89	45
1990	40	6.16	6.16	2464.	0.	0.13	0.55	6.16	6.16	1882.	0.	0.10	0.42	28
1992	40	6.16	6.16	1399.	0.	0.07	0.31	6.16	6.16	1160.	0.	0.06	0.26	16
1993	40	6.16	6.16	1162.	0.	0.06	0.26	6.16	6.16	1199.	0.	0.06	0.27	14
1994	40	6.16	6.16	353.	0.	0.02	0.08	6.16	6.16	705.	0.	0.04	0.16	8
1996	40	6.16	6.16	1210.	0.	0.06	0.27	6.16	6.16	2639.	0.	0.14	0.59	30
1998	40	6.16	6.16	857.	0.	0.04	0.19	6.16	6.16	2249.	0.	0.12	0.50	26
2000	40	6.16	6.16	840.	0.	0.04	0.19	6.16	6.16	3561.	0.	0.18	0.80	41
2001	40	6.16	6.16	947.	0.	0.05	0.21	6.16	6.16	3650.	0.	0.19	0.82	42
2002	40	6.16	6.16	937.	0.	0.05	0.21	6.16	6.16	3550.	0.	0.18	0.79	41
2012	40	6.16	6.16	2842.	0.	0.15	0.63	6.16	6.16	2335.	0.	0.12	0.52	32
2013	40	6.16	6.16	3500.	0.	0.18	0.78	6.16	6.16	1629.	0.	0.08	0.36	40
2014	40	6.16	6.16	2406.	0.	0.12	0.54	6.16	6.16	1535.	0.	0.08	0.34	27
2015	40	6.16	6.16	3748.	0.	0.19	0.84	6.16	6.16	1234.	0.	0.06	0.28	43
2016	40	6.16	6.16	2681.	0.	0.14	0.60	6.16	6.16	1350.	0.	0.07	0.30	31
2017	40	6.16	6.16	1852.	0.	0.10	0.41	6.16	6.16	2585.	0.	0.13	0.58	30
2018	40	6.16	6.16	2359.	0.	0.12	0.53	6.16	6.16	2007.	0.	0.10	0.45	27
2019	40	6.16	6.16	2198.	0.	0.11	0.49	6.16	6.16	2104.	0.	0.11	0.47	25
2021	40	6.16	6.16	2373.	0.	0.12	0.53	6.16	6.16	644.	0.	0.03	0.14	27
2023	40	6.16	6.16	1163.	0.	0.06	0.26	6.16	6.16	1200.	0.	0.06	0.27	14
2028	40	6.16	6.16	1096.	0.	0.06	0.24	6.16	6.16	330.	0.	0.02	0.07	13
2030	40	6.16	6.16	1008.	0.	0.05	0.23	6.16	6.16	786.	0.	0.04	0.18	12
2032	40	6.16	6.16	1279.	0.	0.07	0.29	6.16	6.16	751.	0.	0.04	0.17	15
2034	40	6.16	6.16	1391.	0.	0.07	0.31	6.16	6.16	419.	0.	0.02	0.09	16
2040	40	6.16	6.16	2284.	0.	0.12	0.51	6.16	6.16	295.	0.	0.02	0.07	26
2042	40	6.16	6.16	1398.	0.	0.07	0.31	6.16	6.16	947.	0.	0.05	0.21	16
2043	40	6.16	6.16	1392.	0.	0.07	0.31	6.16	6.16	2108.	0.	0.11	0.47	24
2045	40	6.16	6.16	1260.	0.	0.06	0.28	6.16	6.16	1775.	0.	0.09	0.40	20
2047	40	6.16	6.16	1242.	0.	0.06	0.28	6.16	6.16	1640.	0.	0.08	0.37	19
2048	40	6.16	6.16	1405.	0.	0.07	0.31	6.16	6.16	2487.	0.	0.13	0.56	28
2049	40	6.16	6.16	855.	0.	0.04	0.19	6.16	6.16	1651.	0.	0.08	0.37	19
2051	40	6.16	6.16	642.	0.	0.03	0.14	6.16	6.16	3028.	0.	0.16	0.68	35
2052	40	6.16	6.16	451.	0.	0.02	0.10	6.16	6.16	3847.	0.	0.20	0.86	44
2053	40	6.16	6.16	440.	0.	0.02	0.10	6.16	6.16	3502.	0.	0.18	0.78	40
2054	40	6.16	6.16	593.	0.	0.03	0.13	6.16	6.16	3074.	0.	0.16	0.69	35
2057	40	6.16	6.16	2522.	0.	0.13	0.56	6.16	6.16	1758.	0.	0.09	0.39	29
2058	40	6.16	6.16	2695.	0.	0.14	0.60	6.16	6.16	1146.	0.	0.06	0.26	31
2059	40	6.16	6.16	2378.	0.	0.12	0.53	6.16	6.16	1026.	0.	0.05	0.23	27
2060	40	6.16	6.16	2620.	0.	0.13	0.59	6.16	6.16	952.	0.	0.05	0.21	30
2063	40	6.16	6.16	3253.	0.	0.17	0.73	6.16	6.16	1904.	0.	0.10	0.43	37
2064	40	6.16	6.16	2759.	0.	0.14	0.62	6.16	6.16	2100.	0.	0.11	0.47	32
2065	40	6.16	6.16	2869.	0.	0.15	0.64	6.16	6.16	1929.	0.	0.10	0.43	33
2066	40	6.16	6.16	2897.	0.	0.15	0.65	6.16	6.16	1881.	0.	0.10	0.42	33
2067	40	6.16	6.16	3328.	0.	0.17	0.74	6.16	6.16	2777.	0.	0.14	0.62	38
2068	40	6.16	6.16	2915.	0.	0.15	0.65	6.16	6.16	3487.	0.	0.18	0.78	40
2069	40	6.16	6.16	2836.	0.	0.15	0.63	6.16	6.16	3151.	0.	0.16	0.70	36
2070	40	6.16	6.16	2811.	0.	0.14	0.63	6.16	6.16	3237.	0.	0.17	0.72	37
2071	40	6.16	6.16	856.	0.	0.04	0.19	6.16	6.16	2978.	0.	0.15	0.67	34
2072	40	6.16	6.16	646.	0.	0.03	0.14	6.16	6.16	3071.	0.	0.16	0.69	35
2073	40	6.16	6.16	356.	0.	0.02	0.08	6.16	6.16	2853.	0.	0.15	0.64	33
2074	40	6.16	6.16	1313.	0.	0.07	0.29	6.16	6.16	2063.	0.	0.11	0.46	24
2075	40	6.16	6.16	1398.	0.	0.07	0.31	6.16	6.16	3487.	0.	0.18	0.78	40
2077	40	6.16	6.16	976.	0.	0.05	0.22	6.16	6.16	1798.	0.	0.09	0.40	21
2078	40	6.16	6.16	1390.	0.	0.07	0.31	6.16	6.16	3252.	0.	0.17	0.73	37
2080	40	6.16	6.16	3804.	0.	0.20	0.85	6.16	6.16	1358.	0.	0.07	0.30	43
2081	40	6.16	6.16	2719.	0.	0.14	0.61	6.16	6.16	1442.	0.	0.07	0.32	31
2082	40	6.16	6.16	2520.	0.	0.13	0.56	6.16	6.16	1683.	0.	0.09	0.38	29
2083	40	6.16	6.16	1868.	0.	0.10	0.42	6.16	6.16	2538.	0.	0.13	0.57	29
2084	40	6.16	6.16	2400.	0.	0.12	0.54	6.16	6.16	1865.	0.	0.10	0.42	27
2085	40	6.16	6.16	2327.	0.	0.12	0.52	6.16	6.16	1867.	0.	0.10	0.42	27
2086	40	6.16	6.16	1594.	0.	0.08	0.36	6.16	6.16	863.	0.	0.04	0.19	18
2087	40	6.16	6.16	1434.	0.	0.07	0.32	6.16	6.16	997.	0.	0.05	0.22	16
2088	40	6.16	6.16	618.	0.	0.03	0.14	6.16	6.16	818.	0.	0.04	0.18	9
2089	40	6.16	6.16	924.	0.	0.05	0.21	6.16	6.16	2890.	0.	0.15	0.65	33
2090	40	6.16	6.16	1200.	0.	0.06	0.27	6.16	6.16	908.	0.	0.05	0.20	14
2093	40	6.16	6.16	1350.	0.	0.07	0.30	6.16	6.16	951.	0.	0.05	0.21	15
2096	40	6.16	6.16	1255.	0.	0.06	0.28	6.16	6.16	1299.	0.	0.07	0.29	15
2098	40	6.16	6.16	550.	0.	0.03	0.12	6.16	6.16	1386.	0.	0.07	0.31	16
2101	40	6.16	6.16	1224.	0.	0.06	0.27	6.16	6.16	1268.	0.	0.07	0.28	14
2104	40	6.16	6.16	954.	0.	0.05	0.21	6.16	6.16	1488.	0.	0.08	0.33	17
2107	40	6.16	6.16	1316.	0.	0.07	0.29	6.16	6.16	2284.	0.	0.12	0.51	26
2110	40	6.16	6.16	1224.	0.	0.06	0.27	6.16	6.16	2542.	0.	0.13	0.57	29
2113	40	6.16	6.16	837.	0.	0.04	0.19	6.16	6.16	3417.	0.	0.18	0.76	39
2118	40	6.16	6.16	541.	0.	0.03	0.12	6.16	6.16	897.	0.	0.05	0.20	10
2124	40	6.16	6.16	696.	0.	0.04	0.16	6.16	6.16	999.	0.	0.05	0.22	11
2127	40	6.16	6.16	1577.	0.	0.08	0.35	6.16	6.16	1110.	0.	0.06	0.25	18
2133	40	6.16	6.16	1587.	0.	0.08	0.35	6.16	6.16	826.	0.	0.04	0.18	18
2134	40	6.16	6.16	2211.	0.	0.11	0.49	6.16	6.16	1348.	0.	0.07	0.30	25
2136	40	6.16	6.16	1802.	0.	0.09	0.40	6.16	6.16	1124.	0.	0.06	0.25	21
2137	40	6.16	6.16	1282.	0.	0.07	0.29	6.16	6.16	1381.	0.	0.07	0.31	16

2139	40	6.16	6.16	1288.	0.	0.07	0.29	6.16	6.16	881.	0.	0.05	0.20	15
2140	40	6.16	6.16	2218.	0.	0.11	0.50	6.16	6.16	1551.	0.	0.08	0.35	25
2142	40	6.16	6.16	805.	0.	0.04	0.18	6.16	6.16	1163.	0.	0.06	0.26	13
2143	40	6.16	6.16	1905.	0.	0.10	0.43	6.16	6.16	1724.	0.	0.09	0.39	22
2145	40	6.16	6.16	1273.	0.	0.07	0.28	6.16	6.16	1171.	0.	0.06	0.26	15
2146	40	6.16	6.16	1988.	0.	0.10	0.44	6.16	6.16	1793.	0.	0.09	0.40	23
2147	40	6.16	6.16	1965.	0.	0.10	0.44	6.16	6.16	2441.	0.	0.13	0.55	28
2151	40	6.16	6.16	2778.	0.	0.14	0.62	6.16	6.16	2299.	0.	0.12	0.51	32
2153	40	6.16	6.16	980.	0.	0.05	0.22	6.16	6.16	2284.	0.	0.12	0.51	26
2154	40	6.16	6.16	2106.	0.	0.11	0.47	6.16	6.16	2844.	0.	0.15	0.64	32
2159	40	6.16	6.16	1124.	0.	0.06	0.25	6.16	6.16	2568.	0.	0.13	0.57	29
2160	40	6.16	6.16	2010.	0.	0.10	0.45	6.16	6.16	3549.	0.	0.18	0.79	41
2162	40	6.16	6.16	643.	0.	0.03	0.14	6.16	6.16	1766.	0.	0.09	0.39	20
2163	40	6.16	6.16	958.	0.	0.05	0.21	6.16	6.16	2204.	0.	0.11	0.49	25
2165	40	6.16	6.16	493.	0.	0.03	0.11	6.16	6.16	845.	0.	0.04	0.19	10
2166	40	6.16	6.16	896.	0.	0.05	0.20	6.16	6.16	1125.	0.	0.06	0.25	13
2168	40	6.16	6.16	816.	0.	0.04	0.18	6.16	6.16	924.	0.	0.05	0.21	11
2169	40	6.16	6.16	1592.	0.	0.08	0.36	6.16	6.16	1415.	0.	0.07	0.32	18
2196	40	6.16	6.16	2392.	0.	0.12	0.53	6.16	6.16	616.	0.	0.03	0.14	27
2198	40	6.16	6.16	1161.	0.	0.06	0.26	6.16	6.16	1201.	0.	0.06	0.27	14
2203	40	6.16	6.16	1114.	0.	0.06	0.25	6.16	6.16	291.	0.	0.01	0.06	13
2205	40	6.16	6.16	854.	0.	0.04	0.19	6.16	6.16	529.	0.	0.03	0.12	10
2207	40	6.16	6.16	946.	0.	0.05	0.21	6.16	6.16	1116.	0.	0.06	0.25	13
2209	40	6.16	6.16	2581.	0.	0.13	0.58	6.16	6.16	290.	0.	0.01	0.06	29
2211	40	6.16	6.16	1382.	0.	0.07	0.31	6.16	6.16	991.	0.	0.05	0.22	16
2212	40	6.16	6.16	1438.	0.	0.07	0.32	6.16	6.16	2219.	0.	0.11	0.50	25
2213	40	6.16	6.16	1276.	0.	0.07	0.29	6.16	6.16	1797.	0.	0.09	0.40	21
2214	40	6.16	6.16	1272.	0.	0.07	0.28	6.16	6.16	1763.	0.	0.09	0.39	20
2217	40	6.16	6.16	1495.	0.	0.08	0.33	6.16	6.16	134.	0.	0.01	0.03	17
2218	40	6.16	6.16	993.	0.	0.05	0.22	6.16	6.16	3604.	0.	0.19	0.81	41
2219	40	6.16	6.16	648.	0.	0.03	0.14	6.16	6.16	4269.	0.	0.22	0.95	49
2221	40	6.16	6.16	2469.	0.	0.13	0.55	6.16	6.16	4314.	0.	0.22	0.96	49
2222	40	6.16	6.16	2388.	0.	0.12	0.53	6.16	6.16	4038.	0.	0.21	0.90	46
2225	40	6.16	6.16	2957.	0.	0.15	0.66	6.16	6.16	3234.	0.	0.17	0.72	37
2226	40	6.16	6.16	2858.	0.	0.15	0.64	6.16	6.16	3025.	0.	0.16	0.68	35
2228	40	6.16	6.16	2174.	0.	0.11	0.49	6.16	6.16	2614.	0.	0.13	0.58	30
2229	40	6.16	6.16	2008.	0.	0.10	0.45	6.16	6.16	1177.	0.	0.06	0.26	23
2231	40	6.16	6.16	3538.	0.	0.18	0.79	6.16	6.16	2046.	0.	0.11	0.46	40
2232	40	6.16	6.16	3343.	0.	0.17	0.75	6.16	6.16	2173.	0.	0.11	0.49	38
2234	40	6.16	6.16	4101.	0.	0.21	0.92	6.16	6.16	706.	0.	0.04	0.16	47
2235	40	6.16	6.16	3069.	0.	0.16	0.69	6.16	6.16	753.	0.	0.04	0.17	35
2237	40	6.16	6.16	2176.	0.	0.11	0.49	6.16	6.16	492.	0.	0.03	0.11	25
2238	40	6.16	6.16	2088.	0.	0.11	0.47	6.16	6.16	582.	0.	0.03	0.13	24
2241	40	6.16	6.16	2782.	0.	0.14	0.62	6.16	6.16	1687.	0.	0.09	0.38	32
2242	40	6.16	6.16	2672.	0.	0.14	0.60	6.16	6.16	1542.	0.	0.08	0.34	31
2244	40	6.16	6.16	2900.	0.	0.15	0.65	6.16	6.16	1896.	0.	0.10	0.42	33
2247	40	6.16	6.16	2736.	0.	0.14	0.61	6.16	6.16	1807.	0.	0.09	0.40	31
2248	40	6.16	6.16	3367.	0.	0.17	0.75	6.16	6.16	2207.	0.	0.11	0.49	38
2251	40	6.16	6.16	2866.	0.	0.15	0.64	6.16	6.16	2015.	0.	0.10	0.45	33
2253	40	6.16	6.16	3269.	0.	0.17	0.73	6.16	6.16	2557.	0.	0.13	0.57	37
2254	40	6.16	6.16	2581.	0.	0.13	0.58	6.16	6.16	2540.	0.	0.13	0.57	29
2256	40	6.16	6.16	2700.	0.	0.14	0.60	6.16	6.16	4446.	0.	0.23	0.99	51
2259	40	6.16	6.16	2431.	0.	0.13	0.54	6.16	6.16	3999.	0.	0.21	0.89	46
2260	40	6.16	6.16	3431.	0.	0.18	0.77	6.16	6.16	1671.	0.	0.09	0.37	39
2263	40	6.16	6.16	2784.	0.	0.14	0.62	6.16	6.16	1505.	0.	0.08	0.34	32
2265	40	6.16	6.16	3318.	0.	0.17	0.74	6.16	6.16	1414.	0.	0.07	0.32	38
2266	40	6.16	6.16	2729.	0.	0.14	0.61	6.16	6.16	1305.	0.	0.07	0.29	31
2269	40	6.16	6.16	1096.	0.	0.06	0.24	6.16	6.16	897.	0.	0.05	0.20	13
2270	40	6.16	6.16	1399.	0.	0.07	0.31	6.16	6.16	867.	0.	0.04	0.19	16
2470	40	6.16	6.16	996.	0.	0.05	0.22	6.16	6.16	2001.	0.	0.10	0.45	23
2471	40	6.16	6.16	1361.	0.	0.07	0.30	6.16	6.16	3098.	0.	0.16	0.69	35
2510	40	6.16	6.16	1032.	0.	0.05	0.23	6.16	6.16	2131.	0.	0.11	0.48	24
2511	40	6.16	6.16	887.	0.	0.05	0.20	6.16	6.16	2436.	0.	0.13	0.54	28

		SUPERIORE ORIZZONTALE						SUPERIORE VERTICALE						COEF.
GUSCI	spess	Af	Afc	Mom	Nor	epsC	epsF	Af	Afc	Mom	Nor	epsC	epsF	MAX %
922	40	6.16	14.29	1011.	0.	0.05	0.23	6.16	14.58	1279.	0.	0.06	0.29	15
923	40	6.16	6.16	3086.	0.	0.16	0.69	6.16	6.16	1087.	0.	0.06	0.24	35
924	40	6.16	6.16	4493.	0.	0.23	1.00	6.16	6.16	311.	0.	0.02	0.07	51
925	40	6.16	6.16	4548.	0.	0.23	1.02	6.16	6.16	512.	0.	0.03	0.11	52
926	40	6.16	6.16	3384.	0.	0.17	0.76	6.16	6.16	1025.	0.	0.05	0.23	39
927	40	6.16	14.29	761.	0.	0.04	0.17	6.16	14.41	1132.	0.	0.05	0.25	13
928	40	6.16	6.16	740.	0.	0.04	0.17	6.16	6.16	2011.	0.	0.10	0.45	23
929	40	6.16	6.16	2911.	0.	0.15	0.65	6.16	6.16	2087.	0.	0.11	0.47	33
930	40	6.16	6.16	3649.	0.	0.19	0.82	6.16	6.16	1157.	0.	0.06	0.26	42
931	40	6.16	6.16	4279.	0.	0.22	0.96	6.16	6.16	1866.	0.	0.10	0.42	49
932	40	6.16	6.16	3261.	0.	0.17	0.73	6.16	6.16	2846.	0.	0.15	0.64	37
933	40	6.16	6.16	626.	0.	0.03	0.14	6.16	6.16	2305.	0.	0.12	0.51	26
934	40	6.16	6.16	287.	0.	0.01	0.06	6.16	6.16	2680.	0.	0.14	0.60	31
935	40	6.16	6.16	1955.	0.	0.10	0.44	6.16	6.16	2576.	0.	0.13	0.58	29
936	40	6.16	6.16	2423.	0.	0.12	0.54	6.16	6.16	1889.	0.	0.10	0.42	28
937	40	6.16	6.16	2906.	0.	0.15	0.65	6.16	6.16	2548.	0.	0.13	0.57	33
938	40	6.16	6.16	2215.	0.	0.11	0.49	6.16	6.16	3232.	0.	0.17	0.72	37
939	40	6.16	6.16	260.	0.	0.01	0.06	6.16	6.16	3142.	0.	0.16	0.70	36

940	40	6.16	6.16	158.	0.	0.01	0.04	6.16	6.16	2097.	0.	0.11	0.47	24
941	40	6.16	6.16	1088.	0.	0.06	0.24	6.16	6.16	2063.	0.	0.11	0.46	24
942	40	6.16	6.16	1290.	0.	0.07	0.29	6.16	6.16	1670.	0.	0.09	0.37	19
943	40	6.16	6.16	1630.	0.	0.08	0.36	6.16	6.16	2115.	0.	0.11	0.47	24
944	40	6.16	6.16	1284.	0.	0.07	0.29	6.16	6.16	2625.	0.	0.13	0.59	30
945	40	6.16	6.16	169.	0.	0.01	0.04	6.16	6.16	2574.	0.	0.13	0.58	29
946	40	6.16	6.16	102.	0.	0.01	0.02	6.16	6.16	1348.	0.	0.07	0.30	15
947	40	6.16	6.16	535.	0.	0.03	0.12	6.16	6.16	1314.	0.	0.07	0.29	15
948	40	6.16	6.16	612.	0.	0.03	0.14	6.16	6.16	1104.	0.	0.06	0.25	13
949	40	6.16	6.16	805.	0.	0.04	0.18	6.16	6.16	1336.	0.	0.07	0.30	15
950	40	6.16	6.16	662.	0.	0.03	0.15	6.16	6.16	1637.	0.	0.08	0.37	19
951	40	6.16	6.16	128.	0.	0.01	0.03	6.16	6.16	1668.	0.	0.09	0.37	19
952	40	6.16	6.16	50.	0.	0.00	0.01	6.16	6.16	649.	0.	0.03	0.14	7
953	40	6.16	6.16	224.	0.	0.01	0.05	6.16	6.16	628.	0.	0.03	0.14	7
954	40	6.16	6.16	253.	0.	0.01	0.06	6.16	6.16	544.	0.	0.03	0.12	6
955	40	6.16	6.16	341.	0.	0.02	0.08	6.16	6.16	640.	0.	0.03	0.14	7
956	40	6.16	6.16	298.	0.	0.02	0.07	6.16	6.16	780.	0.	0.04	0.17	9
957	40	6.16	6.16	79.	0.	0.00	0.02	6.16	6.16	809.	0.	0.04	0.18	9
958	40	6.16	6.16	53.	0.	0.00	0.01	6.16	6.16	229.	0.	0.01	0.05	3
959	40	6.16	6.16	60.	0.	0.00	0.01	6.16	6.16	181.	0.	0.01	0.04	2
960	40	6.16	6.16	73.	0.	0.00	0.02	6.16	6.16	146.	0.	0.01	0.03	2
961	40	6.16	6.16	93.	0.	0.00	0.02	6.16	6.16	168.	0.	0.01	0.04	2
962	40	6.16	6.16	88.	0.	0.00	0.02	6.16	6.16	231.	0.	0.01	0.05	3
963	40	6.16	6.16	20.	0.	0.00	0.00	6.16	6.16	255.	0.	0.01	0.06	3
964	40	6.16	6.16	204.	0.	0.01	0.05	6.16	6.16	259.	0.	0.01	0.06	3
965	40	6.16	6.16	78.	0.	0.00	0.02	6.16	6.16	106.	0.	0.01	0.02	1
966	40	6.16	6.16	28.	0.	0.00	0.01	6.16	6.16	25.	0.	0.00	0.01	0
967	40	6.16	6.16	61.	0.	0.00	0.01	6.16	6.16	54.	0.	0.00	0.01	1
968	40	6.16	6.16	55.	0.	0.00	0.01	6.16	6.16	98.	0.	0.01	0.02	1
969	40	6.16	6.16	16.	0.	0.00	0.00	6.16	6.16	120.	0.	0.01	0.03	1
970	40	6.16	6.16	422.	0.	0.02	0.09	6.16	6.16	645.	0.	0.03	0.14	7
971	40	6.16	6.16	291.	0.	0.01	0.07	6.16	6.16	482.	0.	0.02	0.11	6
972	40	6.16	6.16	178.	0.	0.01	0.04	6.16	6.16	361.	0.	0.02	0.08	4
973	40	6.16	6.16	240.	0.	0.01	0.05	6.16	6.16	436.	0.	0.02	0.10	5
974	40	6.16	6.16	207.	0.	0.01	0.05	6.16	6.16	532.	0.	0.03	0.12	6
975	40	6.16	6.16	76.	0.	0.00	0.02	6.16	6.16	558.	0.	0.03	0.12	6
976	40	6.16	6.16	673.	0.	0.03	0.15	6.16	6.16	1354.	0.	0.07	0.30	15
977	40	6.16	6.16	631.	0.	0.03	0.14	6.16	6.16	1174.	0.	0.06	0.26	13
978	40	6.16	6.16	482.	0.	0.02	0.11	6.16	6.16	974.	0.	0.05	0.22	11
979	40	6.16	6.16	628.	0.	0.03	0.14	6.16	6.16	1193.	0.	0.06	0.27	14
980	40	6.16	6.16	516.	0.	0.03	0.12	6.16	6.16	1418.	0.	0.07	0.32	16
981	40	6.16	6.16	136.	0.	0.01	0.03	6.16	6.16	1454.	0.	0.07	0.32	17
982	40	6.16	6.16	850.	0.	0.04	0.19	6.16	6.16	2261.	0.	0.12	0.51	26
983	40	6.16	6.16	1169.	0.	0.06	0.26	6.16	6.16	2093.	0.	0.11	0.47	24
984	40	6.16	6.16	1035.	0.	0.05	0.23	6.16	6.16	1722.	0.	0.09	0.38	20
985	40	6.16	6.16	1372.	0.	0.07	0.31	6.16	6.16	2235.	0.	0.11	0.50	26
986	40	6.16	6.16	1076.	0.	0.06	0.24	6.16	6.16	2724.	0.	0.14	0.61	31
987	40	6.16	6.16	151.	0.	0.01	0.03	6.16	6.16	2762.	0.	0.14	0.62	32
988	40	6.16	6.16	874.	0.	0.04	0.20	6.16	6.16	3068.	0.	0.16	0.69	35
989	40	6.16	6.16	2006.	0.	0.10	0.45	6.16	6.16	2986.	0.	0.15	0.67	34
990	40	6.16	6.16	2028.	0.	0.10	0.45	6.16	6.16	2426.	0.	0.12	0.54	28
991	40	6.16	6.16	2652.	0.	0.14	0.59	6.16	6.16	3361.	0.	0.17	0.75	38
992	40	6.16	6.16	2014.	0.	0.10	0.45	6.16	6.16	4118.	0.	0.21	0.92	47
993	40	6.16	6.16	114.	0.	0.01	0.03	6.16	6.16	4069.	0.	0.21	0.91	46
994	40	6.16	6.16	852.	0.	0.04	0.19	6.16	6.16	3482.	0.	0.18	0.78	40
995	40	6.16	6.16	3202.	0.	0.16	0.72	6.16	6.16	3415.	0.	0.18	0.76	39
996	40	6.16	6.16	3648.	0.	0.19	0.81	6.16	6.16	2436.	0.	0.13	0.54	42
997	40	6.16	6.16	4519.	0.	0.23	1.01	6.16	6.16	3814.	0.	0.20	0.85	52
998	40	6.16	6.16	3376.	0.	0.17	0.75	6.16	6.16	4785.	0.	0.25	1.07	55
999	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	4518.	0.	0.23	1.01	52
1000	40	6.16	14.41	919.	0.	0.04	0.21	6.16	6.16	2523.	0.	0.13	0.56	29
1001	40	6.16	6.16	4394.	0.	0.23	0.98	6.16	6.16	2442.	0.	0.13	0.55	50
1002	40	6.16	6.16	5251.	0.	0.27	1.17	6.16	6.16	1231.	0.	0.06	0.27	60
1003	40	6.16	6.16	5914.	0.	0.30	1.32	6.16	6.16	2227.	0.	0.11	0.50	68
1004	40	6.16	6.16	4957.	0.	0.25	1.11	6.16	6.16	3828.	0.	0.20	0.86	57
1005	40	6.16	14.41	20.	0.	0.00	0.00	6.16	6.16	2685.	0.	0.14	0.60	31
1006	40	6.16	14.41	509.	0.	0.02	0.11	6.16	14.54	582.	0.	0.03	0.13	7
1007	40	6.16	6.16	4240.	0.	0.22	0.95	6.16	14.54	902.	0.	0.04	0.20	48
1008	40	6.16	6.16	6229.	0.	0.32	1.39	6.16	6.16	878.	0.	0.05	0.20	71
1009	40	6.16	6.16	6272.	0.	0.32	1.40	6.16	6.16	688.	0.	0.04	0.15	72
1010	40	6.16	6.16	4038.	0.	0.21	0.90	6.16	16.63	323.	0.	0.01	0.07	46
1011	40	6.16	14.41	0.	0.	0.00	0.00	6.16	16.63	297.	0.	0.01	0.07	3
1012	40	6.16	14.29	797.	0.	0.04	0.18	6.16	14.58	839.	0.	0.04	0.19	10
1013	40	6.16	6.16	2946.	0.	0.15	0.66	6.16	6.16	486.	0.	0.02	0.11	34
1014	40	6.16	6.16	4763.	0.	0.24	1.06	6.16	6.16	0.	0.	0.00	0.00	54
1015	40	6.16	6.16	4792.	0.	0.25	1.07	6.16	6.16	0.	0.	0.00	0.00	55
1016	40	6.16	6.16	2633.	0.	0.14	0.59	6.16	6.16	145.	0.	0.01	0.03	30
1017	40	6.16	14.29	379.	0.	0.02	0.08	6.16	14.41	750.	0.	0.04	0.17	9
1018	40	6.16	14.29	844.	0.	0.04	0.19	6.16	6.16	433.	0.	0.02	0.10	10
1019	40	6.16	6.16	2881.	0.	0.15	0.64	6.16	6.16	388.	0.	0.02	0.09	33
1020	40	6.16	6.16	4683.	0.	0.24	1.05	6.16	6.16	98.	0.	0.01	0.02	53
1021	40	6.16	6.16	4705.	0.	0.24	1.05	6.16	6.16	202.	0.	0.01	0.05	54
1022	40	6.16	6.16	2695.	0.	0.14	0.60	6.16	6.16	626.	0.	0.03	0.14	31
1023	40	6.16	14.29	469.	0.	0.02	0.10	6.16	6.16	384.	0.	0.02	0.09	5

1024	40	6.16	14.41	502.	0.	0.02	0.11	6.16	14.54	921.	0.	0.04	0.21	11
1025	40	6.16	6.16	4166.	0.	0.21	0.93	6.16	14.54	1069.	0.	0.05	0.24	48
1026	40	6.16	6.16	6198.	0.	0.32	1.38	6.16	6.16	1256.	0.	0.06	0.28	71
1027	40	6.16	6.16	6707.	0.	0.34	1.50	6.16	6.16	1293.	0.	0.07	0.29	77
1028	40	6.16	6.16	4642.	0.	0.24	1.04	6.16	16.63	1250.	0.	0.06	0.28	53
1029	40	6.16	14.41	86.	0.	0.00	0.02	6.16	16.63	538.	0.	0.02	0.12	6
1030	40	6.16	14.41	1018.	0.	0.05	0.23	6.16	6.16	3034.	0.	0.16	0.68	35
1031	40	6.16	6.16	3920.	0.	0.20	0.88	6.16	6.16	3192.	0.	0.16	0.71	45
1032	40	6.16	6.16	5105.	0.	0.26	1.14	6.16	6.16	2067.	0.	0.11	0.46	58
1033	40	6.16	6.16	6555.	0.	0.34	1.46	6.16	6.16	3828.	0.	0.20	0.86	75
1034	40	6.16	6.16	5291.	0.	0.27	1.18	6.16	6.16	5409.	0.	0.28	1.21	62
1035	40	6.16	14.41	525.	0.	0.02	0.12	6.16	6.16	4383.	0.	0.23	0.98	50
1037	40	6.16	6.16	2581.	0.	0.13	0.58	6.16	6.16	2690.	0.	0.14	0.60	31
1038	40	6.16	6.16	3023.	0.	0.16	0.68	6.16	6.16	2052.	0.	0.11	0.46	35
1039	40	6.16	6.16	4411.	0.	0.23	0.99	6.16	6.16	4504.	0.	0.23	1.01	51
1040	40	6.16	6.16	3708.	0.	0.19	0.83	6.16	6.16	5924.	0.	0.30	1.32	68
1041	40	6.16	6.16	368.	0.	0.02	0.08	6.16	6.16	6045.	0.	0.31	1.35	69
1043	40	6.16	6.16	1574.	0.	0.08	0.35	6.16	6.16	405.	0.	0.02	0.09	18
1045	40	6.16	6.16	1374.	0.	0.07	0.31	6.16	6.16	1747.	0.	0.09	0.39	20
1046	40	6.16	6.16	1734.	0.	0.09	0.39	6.16	6.16	3374.	0.	0.17	0.75	39
1047	40	6.16	6.16	133.	0.	0.01	0.03	6.16	6.16	3552.	0.	0.18	0.79	41
1051	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1052	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1053	40	6.16	6.16	254.	0.	0.01	0.06	6.16	6.16	0.	0.	0.00	0.00	3
1058	40	6.16	14.29	1001.	0.	0.05	0.22	6.16	14.49	1296.	0.	0.06	0.29	15
1059	40	6.16	6.16	3039.	0.	0.16	0.68	6.16	6.16	1102.	0.	0.06	0.25	35
1060	40	6.16	6.16	4374.	0.	0.22	0.98	6.16	6.16	304.	0.	0.02	0.07	50
1061	40	6.16	6.16	4450.	0.	0.23	0.99	6.16	6.16	510.	0.	0.03	0.11	51
1062	40	6.16	6.16	3254.	0.	0.17	0.73	6.16	6.16	1031.	0.	0.05	0.23	37
1063	40	6.16	14.29	707.	0.	0.03	0.16	6.16	14.45	1832.	0.	0.09	0.41	21
1064	40	6.16	6.16	874.	0.	0.04	0.20	6.16	6.16	1879.	0.	0.10	0.42	21
1065	40	6.16	6.16	2850.	0.	0.15	0.64	6.16	6.16	2139.	0.	0.11	0.48	33
1066	40	6.16	6.16	3555.	0.	0.18	0.79	6.16	6.16	1199.	0.	0.06	0.27	41
1067	40	6.16	6.16	4144.	0.	0.21	0.93	6.16	6.16	1848.	0.	0.10	0.41	47
1068	40	6.16	6.16	3238.	0.	0.17	0.72	6.16	6.16	2804.	0.	0.14	0.63	37
1069	40	6.16	6.16	593.	0.	0.03	0.13	6.16	6.16	2939.	0.	0.15	0.66	34
1070	40	6.16	6.16	300.	0.	0.02	0.07	6.16	6.16	2532.	0.	0.13	0.57	29
1071	40	6.16	6.16	1903.	0.	0.10	0.43	6.16	6.16	2529.	0.	0.13	0.56	29
1072	40	6.16	6.16	2398.	0.	0.12	0.54	6.16	6.16	1923.	0.	0.10	0.43	27
1073	40	6.16	6.16	2837.	0.	0.15	0.63	6.16	6.16	2476.	0.	0.13	0.55	32
1074	40	6.16	6.16	2191.	0.	0.11	0.49	6.16	6.16	3111.	0.	0.16	0.70	36
1075	40	6.16	6.16	224.	0.	0.01	0.05	6.16	6.16	3308.	0.	0.17	0.74	38
1076	40	6.16	6.16	141.	0.	0.01	0.03	6.16	6.16	2117.	0.	0.11	0.47	24
1077	40	6.16	6.16	1048.	0.	0.05	0.23	6.16	6.16	2091.	0.	0.11	0.47	24
1078	40	6.16	6.16	1277.	0.	0.07	0.29	6.16	6.16	1697.	0.	0.09	0.38	19
1079	40	6.16	6.16	1631.	0.	0.08	0.36	6.16	6.16	2092.	0.	0.11	0.47	24
1080	40	6.16	6.16	1294.	0.	0.07	0.29	6.16	6.16	2557.	0.	0.13	0.57	29
1081	40	6.16	6.16	158.	0.	0.01	0.04	6.16	6.16	2748.	0.	0.14	0.61	31
1082	40	6.16	6.16	60.	0.	0.00	0.01	6.16	6.16	1501.	0.	0.08	0.34	17
1083	40	6.16	6.16	466.	0.	0.02	0.10	6.16	6.16	1421.	0.	0.07	0.32	16
1084	40	6.16	6.16	579.	0.	0.03	0.13	6.16	6.16	1177.	0.	0.06	0.26	13
1085	40	6.16	6.16	867.	0.	0.04	0.19	6.16	6.16	1413.	0.	0.07	0.32	16
1086	40	6.16	6.16	709.	0.	0.04	0.16	6.16	6.16	1669.	0.	0.09	0.37	19
1087	40	6.16	6.16	147.	0.	0.01	0.03	6.16	6.16	1751.	0.	0.09	0.39	20
1088	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	917.	0.	0.05	0.20	10
1089	40	6.16	6.16	111.	0.	0.01	0.02	6.16	6.16	826.	0.	0.04	0.18	9
1090	40	6.16	6.16	334.	0.	0.02	0.07	6.16	6.16	771.	0.	0.04	0.17	9
1091	40	6.16	6.16	483.	0.	0.02	0.11	6.16	6.16	804.	0.	0.04	0.18	9
1092	40	6.16	6.16	397.	0.	0.02	0.09	6.16	6.16	865.	0.	0.04	0.19	10
1093	40	6.16	6.16	132.	0.	0.01	0.03	6.16	6.16	873.	0.	0.04	0.20	10
1094	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	605.	0.	0.03	0.14	7
1095	40	6.16	6.16	231.	0.	0.01	0.05	6.16	6.16	589.	0.	0.03	0.13	7
1096	40	6.16	6.16	385.	0.	0.02	0.09	6.16	6.16	469.	0.	0.02	0.10	5
1097	40	6.16	6.16	356.	0.	0.02	0.08	6.16	6.16	369.	0.	0.02	0.08	4
1098	40	6.16	6.16	267.	0.	0.01	0.06	6.16	6.16	336.	0.	0.02	0.08	4
1099	40	6.16	6.16	120.	0.	0.01	0.03	6.16	6.16	309.	0.	0.02	0.07	4
1100	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	379.	0.	0.02	0.08	4
1101	40	6.16	6.16	386.	0.	0.02	0.09	6.16	6.16	412.	0.	0.02	0.09	5
1102	40	6.16	6.16	493.	0.	0.03	0.11	6.16	6.16	281.	0.	0.01	0.06	6
1103	40	6.16	6.16	393.	0.	0.02	0.09	6.16	6.16	170.	0.	0.01	0.04	4
1104	40	6.16	6.16	245.	0.	0.01	0.05	6.16	6.16	129.	0.	0.01	0.03	3
1105	40	6.16	6.16	117.	0.	0.01	0.03	6.16	6.16	125.	0.	0.01	0.03	1
1106	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	95.	0.	0.00	0.02	1
1107	40	6.16	6.16	452.	0.	0.02	0.10	6.16	6.16	190.	0.	0.01	0.04	5
1108	40	6.16	6.16	529.	0.	0.03	0.12	6.16	6.16	122.	0.	0.01	0.03	6
1109	40	6.16	6.16	554.	0.	0.03	0.12	6.16	6.16	242.	0.	0.01	0.05	6
1110	40	6.16	6.16	428.	0.	0.02	0.10	6.16	6.16	438.	0.	0.02	0.10	5
1111	40	6.16	6.16	204.	0.	0.01	0.05	6.16	6.16	523.	0.	0.03	0.12	6
1112	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	756.	0.	0.04	0.17	9
1113	40	6.16	6.16	440.	0.	0.02	0.10	6.16	6.16	797.	0.	0.04	0.18	9
1114	40	6.16	6.16	866.	0.	0.04	0.19	6.16	6.16	883.	0.	0.05	0.20	10
1115	40	6.16	6.16	992.	0.	0.05	0.22	6.16	6.16	1142.	0.	0.06	0.26	13
1116	40	6.16	6.16	752.	0.	0.04	0.17	6.16	6.16	1370.	0.	0.07	0.31	16
1117	40	6.16	6.16	273.	0.	0.01	0.06	6.16	6.16	1443.	0.	0.07	0.32	16

1118	40	6.16	6.16	100.	0.	0.01	0.02	6.16	6.16	2389.	0.	0.12	0.53	27
1119	40	6.16	6.16	739.	0.	0.04	0.17	6.16	6.16	1918.	0.	0.10	0.43	22
1120	40	6.16	6.16	1292.	0.	0.07	0.29	6.16	6.16	1959.	0.	0.10	0.44	22
1121	40	6.16	6.16	1649.	0.	0.08	0.37	6.16	6.16	2314.	0.	0.12	0.52	26
1122	40	6.16	6.16	1254.	0.	0.06	0.28	6.16	6.16	2695.	0.	0.14	0.60	31
1123	40	6.16	6.16	284.	0.	0.01	0.06	6.16	6.16	2801.	0.	0.14	0.63	32
1124	40	6.16	6.16	561.	0.	0.03	0.13	6.16	6.16	3380.	0.	0.17	0.76	39
1125	40	6.16	6.16	1748.	0.	0.09	0.39	6.16	6.16	3113.	0.	0.16	0.70	36
1126	40	6.16	6.16	1916.	0.	0.10	0.43	6.16	6.16	2632.	0.	0.14	0.59	30
1127	40	6.16	6.16	2764.	0.	0.14	0.62	6.16	6.16	3396.	0.	0.17	0.76	39
1128	40	6.16	6.16	2086.	0.	0.11	0.47	6.16	6.16	4046.	0.	0.21	0.90	46
1129	40	6.16	6.16	221.	0.	0.01	0.05	6.16	6.16	4271.	0.	0.22	0.95	49
1130	40	6.16	6.16	576.	0.	0.03	0.13	6.16	6.16	3802.	0.	0.20	0.85	43
1131	40	6.16	6.16	3101.	0.	0.16	0.69	6.16	6.16	3670.	0.	0.19	0.82	42
1132	40	6.16	6.16	3551.	0.	0.18	0.79	6.16	6.16	2571.	0.	0.13	0.57	41
1133	40	6.16	6.16	4459.	0.	0.23	1.00	6.16	6.16	3788.	0.	0.19	0.85	51
1134	40	6.16	6.16	3332.	0.	0.17	0.74	6.16	6.16	4680.	0.	0.24	1.05	53
1135	40	6.16	6.16	76.	0.	0.00	0.02	6.16	6.16	5036.	0.	0.26	1.13	58
1136	40	6.16	14.64	673.	0.	0.03	0.15	6.16	6.16	2407.	0.	0.12	0.54	27
1137	40	6.16	6.16	4330.	0.	0.22	0.97	6.16	6.16	2628.	0.	0.14	0.59	49
1138	40	6.16	6.16	5188.	0.	0.27	1.16	6.16	6.16	1336.	0.	0.07	0.30	59
1139	40	6.16	6.16	5958.	0.	0.31	1.33	6.16	6.16	2229.	0.	0.11	0.50	68
1140	40	6.16	6.16	4818.	0.	0.25	1.08	6.16	6.16	3737.	0.	0.19	0.83	55
1141	40	6.16	14.41	149.	0.	0.01	0.03	6.16	6.16	3631.	0.	0.19	0.81	41
1142	40	6.16	14.64	0.	0.	0.00	0.00	6.16	14.45	0.	0.	0.00	0.00	0
1143	40	6.16	6.16	4238.	0.	0.22	0.95	6.16	14.45	534.	0.	0.03	0.12	48
1144	40	6.16	6.16	6106.	0.	0.31	1.36	6.16	6.16	411.	0.	0.02	0.09	70
1145	40	6.16	6.16	6126.	0.	0.31	1.37	6.16	6.16	364.	0.	0.02	0.08	70
1146	40	6.16	6.16	3932.	0.	0.20	0.88	6.16	14.54	238.	0.	0.01	0.05	45
1147	40	6.16	14.41	165.	0.	0.01	0.04	6.16	14.54	0.	0.	0.00	0.00	2
1148	40	6.16	14.29	639.	0.	0.03	0.14	6.16	14.49	695.	0.	0.03	0.16	8
1149	40	6.16	6.16	2842.	0.	0.15	0.63	6.16	6.16	305.	0.	0.02	0.07	32
1150	40	6.16	6.16	4648.	0.	0.24	1.04	6.16	6.16	0.	0.	0.00	0.00	53
1151	40	6.16	6.16	4682.	0.	0.24	1.05	6.16	6.16	0.	0.	0.00	0.00	53
1152	40	6.16	6.16	2705.	0.	0.14	0.60	6.16	6.16	436.	0.	0.02	0.10	31
1153	40	6.16	14.29	484.	0.	0.02	0.11	6.16	14.45	1343.	0.	0.06	0.30	15
1154	40	6.16	14.29	642.	0.	0.03	0.14	6.16	6.16	319.	0.	0.02	0.07	7
1155	40	6.16	6.16	2784.	0.	0.14	0.62	6.16	6.16	483.	0.	0.02	0.11	32
1156	40	6.16	6.16	4616.	0.	0.24	1.03	6.16	6.16	13.	0.	0.00	0.00	53
1157	40	6.16	6.16	4638.	0.	0.24	1.04	6.16	6.16	240.	0.	0.01	0.05	53
1158	40	6.16	6.16	2659.	0.	0.14	0.59	6.16	6.16	704.	0.	0.04	0.16	30
1159	40	6.16	14.29	593.	0.	0.03	0.13	6.16	6.16	693.	0.	0.04	0.15	8
1160	40	6.16	14.64	306.	0.	0.01	0.07	6.16	14.45	383.	0.	0.02	0.09	4
1161	40	6.16	6.16	4166.	0.	0.21	0.93	6.16	14.45	817.	0.	0.04	0.18	48
1162	40	6.16	6.16	6071.	0.	0.31	1.36	6.16	6.16	669.	0.	0.03	0.15	69
1163	40	6.16	6.16	6319.	0.	0.32	1.41	6.16	6.16	926.	0.	0.05	0.21	72
1164	40	6.16	6.16	4541.	0.	0.23	1.01	6.16	14.54	1105.	0.	0.05	0.25	52
1165	40	6.16	14.41	447.	0.	0.02	0.10	6.16	14.54	908.	0.	0.04	0.20	10
1166	40	6.16	14.64	927.	0.	0.04	0.21	6.16	6.16	3052.	0.	0.16	0.68	35
1167	40	6.16	6.16	3965.	0.	0.20	0.89	6.16	6.16	3206.	0.	0.16	0.72	45
1168	40	6.16	6.16	5107.	0.	0.26	1.14	6.16	6.16	2053.	0.	0.11	0.46	58
1169	40	6.16	6.16	6244.	0.	0.32	1.39	6.16	6.16	3635.	0.	0.19	0.81	71
1170	40	6.16	6.16	5133.	0.	0.26	1.15	6.16	6.16	5218.	0.	0.27	1.17	60
1171	40	6.16	14.41	454.	0.	0.02	0.10	6.16	6.16	5349.	0.	0.28	1.19	61
1173	40	6.16	6.16	2612.	0.	0.13	0.58	6.16	6.16	2639.	0.	0.14	0.59	30
1174	40	6.16	6.16	3026.	0.	0.16	0.68	6.16	6.16	1973.	0.	0.10	0.44	35
1175	40	6.16	6.16	4161.	0.	0.21	0.93	6.16	6.16	4174.	0.	0.21	0.93	48
1176	40	6.16	6.16	3567.	0.	0.18	0.80	6.16	6.16	5695.	0.	0.29	1.27	65
1177	40	6.16	6.16	253.	0.	0.01	0.06	6.16	6.16	5975.	0.	0.31	1.33	68
1179	40	6.16	6.16	1659.	0.	0.09	0.37	6.16	6.16	517.	0.	0.03	0.12	19
1181	40	6.16	6.16	1252.	0.	0.06	0.28	6.16	6.16	1293.	0.	0.07	0.29	15
1182	40	6.16	6.16	1619.	0.	0.08	0.36	6.16	6.16	2983.	0.	0.15	0.67	34
1183	40	6.16	6.16	14.	0.	0.00	0.00	6.16	6.16	4040.	0.	0.21	0.90	46
1187	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	2.	0.	0.00	0.00	0
1188	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1194	40	6.16	14.29	838.	0.	0.04	0.19	6.16	14.41	1289.	0.	0.06	0.29	15
1195	40	6.16	14.29	1200.	0.	0.06	0.27	6.16	14.49	2389.	0.	0.11	0.53	27
1196	40	6.16	6.16	3235.	0.	0.17	0.72	6.16	6.16	1139.	0.	0.06	0.25	37
1197	40	6.16	6.16	3092.	0.	0.16	0.69	6.16	6.16	1703.	0.	0.09	0.38	35
1198	40	6.16	6.16	4500.	0.	0.23	1.01	6.16	6.16	589.	0.	0.03	0.13	51
1199	40	6.16	6.16	4346.	0.	0.22	0.97	6.16	6.16	613.	0.	0.03	0.14	50
1200	40	6.16	6.16	4410.	0.	0.23	0.99	6.16	6.16	617.	0.	0.03	0.14	50
1201	40	6.16	6.16	4394.	0.	0.23	0.98	6.16	6.16	617.	0.	0.03	0.14	50
1202	40	6.16	6.16	3015.	0.	0.16	0.67	6.16	6.16	1660.	0.	0.09	0.37	34
1203	40	6.16	6.16	3494.	0.	0.18	0.78	6.16	6.16	1172.	0.	0.06	0.26	40
1204	40	6.16	14.29	1267.	0.	0.06	0.28	6.16	14.49	2346.	0.	0.11	0.52	27
1205	40	6.16	14.29	981.	0.	0.05	0.22	6.16	14.45	1983.	0.	0.09	0.44	23
1206	40	6.16	6.16	624.	0.	0.03	0.14	6.16	6.16	2418.	0.	0.12	0.54	28
1207	40	6.16	6.16	847.	0.	0.04	0.19	6.16	6.16	2328.	0.	0.12	0.52	27
1208	40	6.16	6.16	3259.	0.	0.17	0.73	6.16	6.16	2844.	0.	0.15	0.64	37
1209	40	6.16	6.16	2873.	0.	0.15	0.64	6.16	6.16	2124.	0.	0.11	0.47	33
1210	40	6.16	6.16	4256.	0.	0.22	0.95	6.16	6.16	1875.	0.	0.10	0.42	49
1211	40	6.16	6.16	3529.	0.	0.18	0.79	6.16	6.16	1236.	0.	0.06	0.28	40
1212	40	6.16	6.16	3542.	0.	0.18	0.79	6.16	6.16	1208.	0.	0.06	0.27	40

1213	40	6.16	6.16	4131.	0.	0.21	0.92	6.16	6.16	1883.	0.	0.10	0.42	47
1214	40	6.16	6.16	2862.	0.	0.15	0.64	6.16	6.16	2131.	0.	0.11	0.48	33
1215	40	6.16	6.16	3218.	0.	0.17	0.72	6.16	6.16	2829.	0.	0.15	0.63	37
1216	40	6.16	6.16	994.	0.	0.05	0.22	6.16	6.16	2209.	0.	0.11	0.49	25
1217	40	6.16	6.16	790.	0.	0.04	0.18	6.16	6.16	2942.	0.	0.15	0.66	34
1218	40	6.16	6.16	230.	0.	0.01	0.05	6.16	6.16	3360.	0.	0.17	0.75	38
1219	40	6.16	6.16	335.	0.	0.02	0.07	6.16	6.16	2636.	0.	0.14	0.59	30
1220	40	6.16	6.16	2221.	0.	0.11	0.50	6.16	6.16	3294.	0.	0.17	0.74	38
1221	40	6.16	6.16	1949.	0.	0.10	0.44	6.16	6.16	2527.	0.	0.13	0.56	29
1222	40	6.16	6.16	2900.	0.	0.15	0.65	6.16	6.16	2559.	0.	0.13	0.57	33
1223	40	6.16	6.16	2376.	0.	0.12	0.53	6.16	6.16	1844.	0.	0.09	0.41	27
1224	40	6.16	6.16	2393.	0.	0.12	0.53	6.16	6.16	1842.	0.	0.09	0.41	27
1225	40	6.16	6.16	2846.	0.	0.15	0.64	6.16	6.16	2500.	0.	0.13	0.56	33
1226	40	6.16	6.16	1937.	0.	0.10	0.43	6.16	6.16	2456.	0.	0.13	0.55	28
1227	40	6.16	6.16	2176.	0.	0.11	0.49	6.16	6.16	3192.	0.	0.16	0.71	36
1228	40	6.16	6.16	392.	0.	0.02	0.09	6.16	6.16	2501.	0.	0.13	0.56	29
1229	40	6.16	6.16	306.	0.	0.02	0.07	6.16	6.16	3305.	0.	0.17	0.74	38
1230	40	6.16	6.16	162.	0.	0.01	0.04	6.16	6.16	2625.	0.	0.13	0.59	30
1231	40	6.16	6.16	198.	0.	0.01	0.04	6.16	6.16	2105.	0.	0.11	0.47	24
1232	40	6.16	6.16	1292.	0.	0.07	0.29	6.16	6.16	2630.	0.	0.14	0.59	30
1233	40	6.16	6.16	1100.	0.	0.06	0.25	6.16	6.16	2019.	0.	0.10	0.45	23
1234	40	6.16	6.16	1639.	0.	0.08	0.37	6.16	6.16	2128.	0.	0.11	0.48	24
1235	40	6.16	6.16	1284.	0.	0.07	0.29	6.16	6.16	1615.	0.	0.08	0.36	18
1236	40	6.16	6.16	1293.	0.	0.07	0.29	6.16	6.16	1630.	0.	0.08	0.36	19
1237	40	6.16	6.16	1618.	0.	0.08	0.36	6.16	6.16	2059.	0.	0.11	0.46	24
1238	40	6.16	6.16	1095.	0.	0.06	0.24	6.16	6.16	2021.	0.	0.10	0.45	23
1239	40	6.16	6.16	1273.	0.	0.07	0.28	6.16	6.16	2541.	0.	0.13	0.57	29
1240	40	6.16	6.16	216.	0.	0.01	0.05	6.16	6.16	2072.	0.	0.11	0.46	24
1241	40	6.16	6.16	185.	0.	0.01	0.04	6.16	6.16	2743.	0.	0.14	0.61	31
1242	40	6.16	6.16	132.	0.	0.01	0.03	6.16	6.16	1689.	0.	0.09	0.38	19
1243	40	6.16	6.16	133.	0.	0.01	0.03	6.16	6.16	1355.	0.	0.07	0.30	15
1244	40	6.16	6.16	675.	0.	0.03	0.15	6.16	6.16	1647.	0.	0.08	0.37	19
1245	40	6.16	6.16	547.	0.	0.03	0.12	6.16	6.16	1308.	0.	0.07	0.29	15
1246	40	6.16	6.16	825.	0.	0.04	0.18	6.16	6.16	1350.	0.	0.07	0.30	15
1247	40	6.16	6.16	616.	0.	0.03	0.14	6.16	6.16	1090.	0.	0.06	0.24	12
1248	40	6.16	6.16	625.	0.	0.03	0.14	6.16	6.16	1093.	0.	0.06	0.24	12
1249	40	6.16	6.16	816.	0.	0.04	0.18	6.16	6.16	1334.	0.	0.07	0.30	15
1250	40	6.16	6.16	548.	0.	0.03	0.12	6.16	6.16	1312.	0.	0.07	0.29	15
1251	40	6.16	6.16	667.	0.	0.03	0.15	6.16	6.16	1626.	0.	0.08	0.36	19
1252	40	6.16	6.16	135.	0.	0.01	0.03	6.16	6.16	1350.	0.	0.07	0.30	15
1253	40	6.16	6.16	139.	0.	0.01	0.03	6.16	6.16	1737.	0.	0.09	0.39	20
1254	40	6.16	6.16	90.	0.	0.00	0.02	6.16	6.16	819.	0.	0.04	0.18	9
1255	40	6.16	6.16	69.	0.	0.00	0.02	6.16	6.16	651.	0.	0.03	0.15	7
1256	40	6.16	6.16	317.	0.	0.02	0.07	6.16	6.16	794.	0.	0.04	0.18	9
1257	40	6.16	6.16	235.	0.	0.01	0.05	6.16	6.16	628.	0.	0.03	0.14	7
1258	40	6.16	6.16	371.	0.	0.02	0.08	6.16	6.16	665.	0.	0.03	0.15	8
1259	40	6.16	6.16	260.	0.	0.01	0.06	6.16	6.16	544.	0.	0.03	0.12	6
1260	40	6.16	6.16	268.	0.	0.01	0.06	6.16	6.16	548.	0.	0.03	0.12	6
1261	40	6.16	6.16	367.	0.	0.02	0.08	6.16	6.16	664.	0.	0.03	0.15	8
1262	40	6.16	6.16	239.	0.	0.01	0.05	6.16	6.16	631.	0.	0.03	0.14	7
1263	40	6.16	6.16	316.	0.	0.02	0.07	6.16	6.16	792.	0.	0.04	0.18	9
1264	40	6.16	6.16	69.	0.	0.00	0.02	6.16	6.16	650.	0.	0.03	0.15	7
1265	40	6.16	6.16	98.	0.	0.01	0.02	6.16	6.16	850.	0.	0.04	0.19	10
1266	40	6.16	6.16	37.	0.	0.00	0.01	6.16	6.16	267.	0.	0.01	0.06	3
1267	40	6.16	6.16	14.	0.	0.00	0.00	6.16	6.16	177.	0.	0.01	0.04	2
1268	40	6.16	6.16	124.	0.	0.01	0.03	6.16	6.16	249.	0.	0.01	0.06	3
1269	40	6.16	6.16	71.	0.	0.00	0.02	6.16	6.16	170.	0.	0.01	0.04	2
1270	40	6.16	6.16	144.	0.	0.01	0.03	6.16	6.16	193.	0.	0.01	0.04	2
1271	40	6.16	6.16	84.	0.	0.00	0.02	6.16	6.16	145.	0.	0.01	0.03	2
1272	40	6.16	6.16	91.	0.	0.00	0.02	6.16	6.16	144.	0.	0.01	0.03	2
1273	40	6.16	6.16	141.	0.	0.01	0.03	6.16	6.16	193.	0.	0.01	0.04	2
1274	40	6.16	6.16	75.	0.	0.00	0.02	6.16	6.16	172.	0.	0.01	0.04	2
1275	40	6.16	6.16	129.	0.	0.01	0.03	6.16	6.16	248.	0.	0.01	0.06	3
1276	40	6.16	6.16	14.	0.	0.00	0.00	6.16	6.16	179.	0.	0.01	0.04	2
1277	40	6.16	6.16	61.	0.	0.00	0.01	6.16	6.16	281.	0.	0.01	0.06	3
1278	40	6.16	6.16	12.	0.	0.00	0.00	6.16	6.16	109.	0.	0.01	0.02	1
1279	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	54.	0.	0.00	0.01	1
1280	40	6.16	6.16	61.	0.	0.00	0.01	6.16	6.16	93.	0.	0.00	0.02	1
1281	40	6.16	6.16	25.	0.	0.00	0.01	6.16	6.16	48.	0.	0.00	0.01	1
1282	40	6.16	6.16	80.	0.	0.00	0.02	6.16	6.16	54.	0.	0.00	0.01	1
1283	40	6.16	6.16	41.	0.	0.00	0.01	6.16	6.16	40.	0.	0.00	0.01	0
1284	40	6.16	6.16	46.	0.	0.00	0.01	6.16	6.16	40.	0.	0.00	0.01	1
1285	40	6.16	6.16	74.	0.	0.00	0.02	6.16	6.16	58.	0.	0.00	0.01	1
1286	40	6.16	6.16	30.	0.	0.00	0.01	6.16	6.16	48.	0.	0.00	0.01	1
1287	40	6.16	6.16	76.	0.	0.00	0.02	6.16	6.16	96.	0.	0.00	0.02	1
1288	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	54.	0.	0.00	0.01	1
1289	40	6.16	6.16	73.	0.	0.00	0.02	6.16	6.16	119.	0.	0.01	0.03	1
1290	40	6.16	6.16	67.	0.	0.00	0.01	6.16	6.16	542.	0.	0.03	0.12	6
1291	40	6.16	6.16	42.	0.	0.00	0.01	6.16	6.16	378.	0.	0.02	0.08	4
1292	40	6.16	6.16	210.	0.	0.01	0.05	6.16	6.16	524.	0.	0.03	0.12	6
1293	40	6.16	6.16	130.	0.	0.01	0.03	6.16	6.16	367.	0.	0.02	0.08	4
1294	40	6.16	6.16	245.	0.	0.01	0.05	6.16	6.16	435.	0.	0.02	0.10	5
1295	40	6.16	6.16	146.	0.	0.01	0.03	6.16	6.16	334.	0.	0.02	0.07	4
1296	40	6.16	6.16	158.	0.	0.01	0.04	6.16	6.16	347.	0.	0.02	0.08	4

1297	40	6.16	6.16	231.	0.	0.01	0.05	6.16	6.16	414.	0.	0.02	0.09	5
1298	40	6.16	6.16	138.	0.	0.01	0.03	6.16	6.16	370.	0.	0.02	0.08	4
1299	40	6.16	6.16	216.	0.	0.01	0.05	6.16	6.16	499.	0.	0.03	0.11	6
1300	40	6.16	6.16	45.	0.	0.00	0.01	6.16	6.16	380.	0.	0.02	0.08	4
1301	40	6.16	6.16	122.	0.	0.01	0.03	6.16	6.16	535.	0.	0.03	0.12	6
1302	40	6.16	6.16	123.	0.	0.01	0.03	6.16	6.16	1440.	0.	0.07	0.32	16
1303	40	6.16	6.16	121.	0.	0.01	0.03	6.16	6.16	1077.	0.	0.06	0.24	12
1304	40	6.16	6.16	510.	0.	0.03	0.11	6.16	6.16	1407.	0.	0.07	0.31	16
1305	40	6.16	6.16	365.	0.	0.02	0.08	6.16	6.16	1049.	0.	0.05	0.23	12
1306	40	6.16	6.16	615.	0.	0.03	0.14	6.16	6.16	1193.	0.	0.06	0.27	14
1307	40	6.16	6.16	397.	0.	0.02	0.09	6.16	6.16	942.	0.	0.05	0.21	11
1308	40	6.16	6.16	403.	0.	0.02	0.09	6.16	6.16	977.	0.	0.05	0.22	11
1309	40	6.16	6.16	582.	0.	0.03	0.13	6.16	6.16	1141.	0.	0.06	0.25	13
1310	40	6.16	6.16	375.	0.	0.02	0.08	6.16	6.16	1054.	0.	0.05	0.24	12
1311	40	6.16	6.16	499.	0.	0.03	0.11	6.16	6.16	1341.	0.	0.07	0.30	15
1312	40	6.16	6.16	125.	0.	0.01	0.03	6.16	6.16	1080.	0.	0.06	0.24	12
1313	40	6.16	6.16	164.	0.	0.01	0.04	6.16	6.16	1426.	0.	0.07	0.32	16
1314	40	6.16	6.16	137.	0.	0.01	0.03	6.16	6.16	2753.	0.	0.14	0.62	31
1315	40	6.16	6.16	156.	0.	0.01	0.03	6.16	6.16	2075.	0.	0.11	0.46	24
1316	40	6.16	6.16	1064.	0.	0.05	0.24	6.16	6.16	2700.	0.	0.14	0.60	31
1317	40	6.16	6.16	818.	0.	0.04	0.18	6.16	6.16	2005.	0.	0.10	0.45	23
1318	40	6.16	6.16	1335.	0.	0.07	0.30	6.16	6.16	2218.	0.	0.11	0.50	25
1319	40	6.16	6.16	912.	0.	0.05	0.20	6.16	6.16	1686.	0.	0.09	0.38	19
1320	40	6.16	6.16	917.	0.	0.05	0.20	6.16	6.16	1737.	0.	0.09	0.39	20
1321	40	6.16	6.16	1267.	0.	0.07	0.28	6.16	6.16	2121.	0.	0.11	0.47	24
1322	40	6.16	6.16	831.	0.	0.04	0.19	6.16	6.16	2007.	0.	0.10	0.45	23
1323	40	6.16	6.16	1024.	0.	0.05	0.23	6.16	6.16	2577.	0.	0.13	0.58	29
1324	40	6.16	6.16	155.	0.	0.01	0.03	6.16	6.16	2071.	0.	0.11	0.46	24
1325	40	6.16	6.16	172.	0.	0.01	0.04	6.16	6.16	2757.	0.	0.14	0.62	31
1326	40	6.16	6.16	102.	0.	0.01	0.02	6.16	6.16	4098.	0.	0.21	0.92	47
1327	40	6.16	6.16	150.	0.	0.01	0.03	6.16	6.16	3050.	0.	0.16	0.68	35
1328	40	6.16	6.16	2012.	0.	0.10	0.45	6.16	6.16	4071.	0.	0.21	0.91	47
1329	40	6.16	6.16	1626.	0.	0.08	0.36	6.16	6.16	2939.	0.	0.15	0.66	34
1330	40	6.16	6.16	2605.	0.	0.13	0.58	6.16	6.16	3313.	0.	0.17	0.74	38
1331	40	6.16	6.16	1894.	0.	0.10	0.42	6.16	6.16	2384.	0.	0.12	0.53	27
1332	40	6.16	6.16	1901.	0.	0.10	0.42	6.16	6.16	2390.	0.	0.12	0.53	27
1333	40	6.16	6.16	2479.	0.	0.13	0.55	6.16	6.16	3143.	0.	0.16	0.70	36
1334	40	6.16	6.16	1648.	0.	0.08	0.37	6.16	6.16	2929.	0.	0.15	0.65	33
1335	40	6.16	6.16	1934.	0.	0.10	0.43	6.16	6.16	3885.	0.	0.20	0.87	44
1336	40	6.16	6.16	153.	0.	0.01	0.03	6.16	6.16	3040.	0.	0.16	0.68	35
1337	40	6.16	6.16	123.	0.	0.01	0.03	6.16	6.16	4216.	0.	0.22	0.94	48
1338	40	6.16	6.16	48.	0.	0.00	0.01	6.16	6.16	4883.	0.	0.25	1.09	56
1339	40	6.16	6.16	52.	0.	0.00	0.01	6.16	6.16	3495.	0.	0.18	0.78	40
1340	40	6.16	6.16	3423.	0.	0.18	0.76	6.16	6.16	4851.	0.	0.25	1.08	55
1341	40	6.16	6.16	2876.	0.	0.15	0.64	6.16	6.16	3381.	0.	0.17	0.76	39
1342	40	6.16	6.16	4514.	0.	0.23	1.01	6.16	6.16	3691.	0.	0.19	0.82	52
1343	40	6.16	6.16	3515.	0.	0.18	0.79	6.16	6.16	2340.	0.	0.12	0.52	40
1344	40	6.16	6.16	3547.	0.	0.18	0.79	6.16	6.16	2337.	0.	0.12	0.52	41
1345	40	6.16	6.16	4316.	0.	0.22	0.96	6.16	6.16	3526.	0.	0.18	0.79	49
1346	40	6.16	6.16	2921.	0.	0.15	0.65	6.16	6.16	3368.	0.	0.17	0.75	38
1347	40	6.16	6.16	3304.	0.	0.17	0.74	6.16	6.16	4605.	0.	0.24	1.03	53
1348	40	6.16	6.16	45.	0.	0.00	0.01	6.16	6.16	3493.	0.	0.18	0.78	40
1349	40	6.16	6.16	4.	0.	0.00	0.00	6.16	6.16	4954.	0.	0.25	1.11	57
1350	40	6.16	14.41	153.	0.	0.01	0.03	6.16	6.16	2986.	0.	0.15	0.67	34
1351	40	6.16	14.41	310.	0.	0.01	0.07	6.16	6.16	2137.	0.	0.11	0.48	24
1352	40	6.16	6.16	5064.	0.	0.26	1.13	6.16	6.16	3742.	0.	0.19	0.84	58
1353	40	6.16	6.16	4229.	0.	0.22	0.94	6.16	6.16	2337.	0.	0.12	0.52	48
1354	40	6.16	6.16	6034.	0.	0.31	1.35	6.16	6.16	1993.	0.	0.10	0.45	69
1355	40	6.16	6.16	5017.	0.	0.26	1.12	6.16	6.16	883.	0.	0.05	0.20	57
1356	40	6.16	6.16	5137.	0.	0.26	1.15	6.16	6.16	912.	0.	0.05	0.20	59
1357	40	6.16	6.16	5808.	0.	0.30	1.30	6.16	6.16	1933.	0.	0.10	0.43	66
1358	40	6.16	6.16	4292.	0.	0.22	0.96	6.16	6.16	2311.	0.	0.12	0.52	49
1359	40	6.16	6.16	4883.	0.	0.25	1.09	6.16	6.16	3584.	0.	0.18	0.80	56
1360	40	6.16	14.41	367.	0.	0.02	0.08	6.16	6.16	1879.	0.	0.10	0.42	21
1361	40	6.16	14.41	108.	0.	0.01	0.02	6.16	6.16	3599.	0.	0.19	0.80	41
1362	40	6.16	14.41	335.	0.	0.02	0.07	6.16	16.63	377.	0.	0.02	0.08	4
1363	40	6.16	14.41	0.	0.	0.00	0.00	6.16	14.54	0.	0.	0.00	0.00	0
1364	40	6.16	6.16	4402.	0.	0.23	0.98	6.16	16.63	356.	0.	0.02	0.08	50
1365	40	6.16	6.16	4019.	0.	0.21	0.90	6.16	14.54	0.	0.	0.00	0.00	46
1366	40	6.16	6.16	6419.	0.	0.33	1.43	6.16	6.16	161.	0.	0.01	0.04	73
1367	40	6.16	6.16	6111.	0.	0.31	1.37	6.16	6.16	0.	0.	0.00	0.00	70
1368	40	6.16	6.16	6285.	0.	0.32	1.40	6.16	6.16	0.	0.	0.00	0.00	72
1369	40	6.16	6.16	6228.	0.	0.32	1.39	6.16	6.16	0.	0.	0.00	0.00	71
1370	40	6.16	6.16	4131.	0.	0.21	0.92	6.16	14.54	0.	0.	0.00	0.00	47
1371	40	6.16	6.16	4131.	0.	0.21	0.92	6.16	14.54	0.	0.	0.00	0.00	47
1372	40	6.16	14.41	0.	0.	0.00	0.00	6.16	14.54	0.	0.	0.00	0.00	0
1373	40	6.16	14.41	0.	0.	0.00	0.00	6.16	14.54	0.	0.	0.00	0.00	0
1374	40	6.16	14.29	478.	0.	0.02	0.11	6.16	14.41	789.	0.	0.04	0.18	9
1375	40	6.16	14.29	779.	0.	0.04	0.17	6.16	14.49	1696.	0.	0.08	0.38	19
1376	40	6.16	6.16	2699.	0.	0.14	0.60	6.16	6.16	547.	0.	0.03	0.12	31
1377	40	6.16	6.16	2850.	0.	0.15	0.64	6.16	6.16	674.	0.	0.03	0.15	33
1378	40	6.16	6.16	4727.	0.	0.24	1.06	6.16	6.16	0.	0.	0.00	0.00	54
1379	40	6.16	6.16	4620.	0.	0.24	1.03	6.16	6.16	0.	0.	0.00	0.00	53
1380	40	6.16	6.16	4687.	0.	0.24	1.05	6.16	6.16	0.	0.	0.00	0.00	54

1381	40	6.16	6.16	4647.	0.	0.24	1.04	6.16	6.16	0.	0.	0.00	0.00	53
1382	40	6.16	6.16	2833.	0.	0.15	0.63	6.16	6.16	433.	0.	0.02	0.10	32
1383	40	6.16	6.16	2635.	0.	0.14	0.59	6.16	6.16	0.	0.	0.00	0.00	30
1384	40	6.16	14.29	691.	0.	0.03	0.15	6.16	14.49	1486.	0.	0.07	0.33	17
1385	40	6.16	14.29	406.	0.	0.02	0.09	6.16	14.45	1189.	0.	0.06	0.27	14
1386	40	6.16	14.29	735.	0.	0.03	0.16	6.16	6.16	494.	0.	0.03	0.11	8
1387	40	6.16	14.29	968.	0.	0.05	0.22	6.16	6.16	781.	0.	0.04	0.17	11
1388	40	6.16	6.16	2665.	0.	0.14	0.60	6.16	6.16	532.	0.	0.03	0.12	30
1389	40	6.16	6.16	2824.	0.	0.15	0.63	6.16	6.16	611.	0.	0.03	0.14	32
1390	40	6.16	6.16	4620.	0.	0.24	1.03	6.16	6.16	80.	0.	0.00	0.02	53
1391	40	6.16	6.16	4586.	0.	0.24	1.02	6.16	6.16	270.	0.	0.01	0.06	52
1392	40	6.16	6.16	4610.	0.	0.24	1.03	6.16	6.16	264.	0.	0.01	0.06	53
1393	40	6.16	6.16	4588.	0.	0.24	1.03	6.16	6.16	83.	0.	0.00	0.02	52
1394	40	6.16	6.16	2865.	0.	0.15	0.64	6.16	6.16	582.	0.	0.03	0.13	33
1395	40	6.16	6.16	2594.	0.	0.13	0.58	6.16	6.16	580.	0.	0.03	0.13	30
1396	40	6.16	14.29	698.	0.	0.03	0.16	6.16	6.16	639.	0.	0.03	0.14	8
1397	40	6.16	14.29	136.	0.	0.01	0.03	6.16	6.16	633.	0.	0.03	0.14	7
1398	40	6.16	14.41	308.	0.	0.01	0.07	6.16	16.63	480.	0.	0.02	0.11	5
1399	40	6.16	14.41	0.	0.	0.00	0.00	6.16	14.54	0.	0.	0.00	0.00	0
1400	40	6.16	6.16	4134.	0.	0.21	0.92	6.16	16.63	594.	0.	0.03	0.13	47
1401	40	6.16	6.16	4388.	0.	0.23	0.98	6.16	14.54	523.	0.	0.02	0.12	50
1402	40	6.16	6.16	6356.	0.	0.33	1.42	6.16	6.16	579.	0.	0.03	0.13	73
1403	40	6.16	6.16	6159.	0.	0.32	1.38	6.16	6.16	448.	0.	0.02	0.10	70
1404	40	6.16	6.16	6327.	0.	0.33	1.41	6.16	6.16	547.	0.	0.03	0.12	72
1405	40	6.16	6.16	6153.	0.	0.32	1.37	6.16	6.16	385.	0.	0.02	0.09	70
1406	40	6.16	6.16	4484.	0.	0.23	1.00	6.16	14.54	522.	0.	0.02	0.12	51
1407	40	6.16	6.16	4180.	0.	0.21	0.93	6.16	14.54	444.	0.	0.02	0.10	48
1408	40	6.16	14.41	0.	0.	0.00	0.00	6.16	14.54	0.	0.	0.00	0.00	0
1409	40	6.16	14.41	0.	0.	0.00	0.00	6.16	14.54	572.	0.	0.03	0.13	7
1410	40	6.16	14.41	158.	0.	0.01	0.04	6.16	6.16	4148.	0.	0.21	0.93	47
1411	40	6.16	14.41	728.	0.	0.03	0.16	6.16	6.16	3843.	0.	0.20	0.86	44
1412	40	6.16	6.16	4970.	0.	0.26	1.11	6.16	6.16	4928.	0.	0.25	1.10	57
1413	40	6.16	6.16	4629.	0.	0.24	1.03	6.16	6.16	3952.	0.	0.20	0.88	53
1414	40	6.16	6.16	6219.	0.	0.32	1.39	6.16	6.16	3148.	0.	0.16	0.70	71
1415	40	6.16	6.16	5791.	0.	0.30	1.29	6.16	6.16	2550.	0.	0.13	0.57	66
1416	40	6.16	6.16	5793.	0.	0.30	1.29	6.16	6.16	2556.	0.	0.13	0.57	66
1417	40	6.16	6.16	5974.	0.	0.31	1.33	6.16	6.16	3074.	0.	0.16	0.69	68
1418	40	6.16	6.16	4677.	0.	0.24	1.04	6.16	6.16	3972.	0.	0.20	0.89	53
1419	40	6.16	6.16	4763.	0.	0.24	1.06	6.16	6.16	4792.	0.	0.25	1.07	55
1420	40	6.16	14.41	709.	0.	0.03	0.16	6.16	6.16	3525.	0.	0.18	0.79	40
1421	40	6.16	14.41	76.	0.	0.00	0.02	6.16	6.16	5030.	0.	0.26	1.12	57
1422	40	6.16	6.16	258.	0.	0.01	0.06	6.16	6.16	6299.	0.	0.32	1.41	72
1423	40	6.16	6.16	804.	0.	0.04	0.18	6.16	6.16	5414.	0.	0.28	1.21	62
1424	40	6.16	6.16	3498.	0.	0.18	0.78	6.16	6.16	6267.	0.	0.32	1.40	72
1425	40	6.16	6.16	3494.	0.	0.18	0.78	6.16	6.16	5343.	0.	0.27	1.19	61
1426	40	6.16	6.16	4502.	0.	0.23	1.01	6.16	6.16	5167.	0.	0.27	1.15	59
1427	40	6.16	6.16	4071.	0.	0.21	0.91	6.16	6.16	4455.	0.	0.23	1.00	51
1428	40	6.16	6.16	4079.	0.	0.21	0.91	6.16	6.16	4516.	0.	0.23	1.01	52
1429	40	6.16	6.16	4339.	0.	0.22	0.97	6.16	6.16	5051.	0.	0.26	1.13	58
1430	40	6.16	6.16	3533.	0.	0.18	0.79	6.16	6.16	5375.	0.	0.28	1.20	61
1431	40	6.16	6.16	3353.	0.	0.17	0.75	6.16	6.16	6065.	0.	0.31	1.35	69
1432	40	6.16	6.16	838.	0.	0.04	0.19	6.16	6.16	5437.	0.	0.28	1.21	62
1433	40	6.16	6.16	158.	0.	0.01	0.04	6.16	6.16	6181.	0.	0.32	1.38	71
1434	40	6.16	6.16	1219.	0.	0.06	0.27	6.16	6.16	4810.	0.	0.25	1.07	55
1435	40	6.16	6.16	262.	0.	0.01	0.06	6.16	6.16	4842.	0.	0.25	1.08	55
1436	40	6.16	6.16	2417.	0.	0.12	0.54	6.16	6.16	4811.	0.	0.25	1.07	55
1437	40	6.16	6.16	2042.	0.	0.11	0.46	6.16	6.16	4929.	0.	0.25	1.10	56
1438	40	6.16	6.16	2375.	0.	0.12	0.53	6.16	6.16	4098.	0.	0.21	0.92	47
1439	40	6.16	6.16	2513.	0.	0.13	0.56	6.16	6.16	4208.	0.	0.22	0.94	48
1440	40	6.16	6.16	2559.	0.	0.13	0.57	6.16	6.16	4233.	0.	0.22	0.95	48
1441	40	6.16	6.16	2358.	0.	0.12	0.53	6.16	6.16	4007.	0.	0.21	0.90	46
1442	40	6.16	6.16	2069.	0.	0.11	0.46	6.16	6.16	5029.	0.	0.26	1.12	57
1443	40	6.16	6.16	2345.	0.	0.12	0.52	6.16	6.16	4744.	0.	0.24	1.06	54
1444	40	6.16	6.16	387.	0.	0.02	0.09	6.16	6.16	4463.	0.	0.23	1.00	51
1445	40	6.16	6.16	1153.	0.	0.06	0.26	6.16	6.16	4788.	0.	0.25	1.07	55
1446	40	6.16	6.16	1048.	0.	0.05	0.23	6.16	6.16	0.	0.	0.00	0.00	12
1448	40	6.16	6.16	1228.	0.	0.06	0.27	6.16	6.16	2688.	0.	0.14	0.60	31
1449	40	6.16	6.16	261.	0.	0.01	0.06	6.16	6.16	1720.	0.	0.09	0.38	20
1450	40	6.16	6.16	514.	0.	0.03	0.11	6.16	6.16	0.	0.	0.00	0.00	6
1451	40	6.16	6.16	444.	0.	0.02	0.10	6.16	6.16	0.	0.	0.00	0.00	5
1452	40	6.16	6.16	1233.	0.	0.06	0.28	6.16	6.16	2123.	0.	0.11	0.47	24
1453	40	6.16	6.16	889.	0.	0.05	0.20	6.16	6.16	2061.	0.	0.11	0.46	24
1455	40	6.16	6.16	260.	0.	0.01	0.06	6.16	6.16	0.	0.	0.00	0.00	3
1456	40	6.16	6.16	1029.	0.	0.05	0.23	6.16	6.16	1098.	0.	0.06	0.25	13
1457	40	6.16	6.16	1086.	0.	0.06	0.24	6.16	6.16	1711.	0.	0.09	0.38	20
1460	40	6.16	6.16	1050.	0.	0.05	0.23	6.16	6.16	1630.	0.	0.08	0.36	19
1461	40	6.16	6.16	993.	0.	0.05	0.22	6.16	6.16	1277.	0.	0.07	0.29	15
1468	40	6.16	6.16	903.	0.	0.05	0.20	6.16	6.16	2041.	0.	0.10	0.46	23
1469	40	6.16	6.16	1206.	0.	0.06	0.27	6.16	6.16	2098.	0.	0.11	0.47	24
1471	40	6.16	6.16	1155.	0.	0.06	0.26	6.16	6.16	2593.	0.	0.13	0.58	30
1472	40	6.16	14.29	2343.	0.	0.11	0.52	6.16	6.16	2201.	0.	0.11	0.49	27
1474	40	6.16	6.16	2604.	0.	0.13	0.58	6.16	6.16	1197.	0.	0.06	0.27	30
1476	40	6.16	6.16	3593.	0.	0.18	0.80	6.16	6.16	498.	0.	0.03	0.11	41
1477	40	6.16	6.16	802.	0.	0.04	0.18	6.16	6.16	896.	0.	0.05	0.20	10

1478	40	6.16	6.16	3611.	0.	0.19	0.81	6.16	6.16	398.	0.	0.02	0.09	41
1479	40	6.16	6.16	896.	0.	0.05	0.20	6.16	6.16	1362.	0.	0.07	0.30	16
1480	40	6.16	6.16	2726.	0.	0.14	0.61	6.16	6.16	902.	0.	0.05	0.20	31
1481	40	6.16	6.16	1387.	0.	0.07	0.31	6.16	6.16	2294.	0.	0.12	0.51	26
1482	40	6.16	14.29	530.	0.	0.02	0.12	6.16	14.49	978.	0.	0.05	0.22	11
1483	40	6.16	14.29	2163.	0.	0.10	0.48	6.16	6.16	2815.	0.	0.14	0.63	32
1484	40	6.16	6.16	2224.	0.	0.11	0.50	6.16	6.16	1686.	0.	0.09	0.38	25
1486	40	6.16	6.16	2513.	0.	0.13	0.56	6.16	6.16	1305.	0.	0.07	0.29	29
1488	40	6.16	6.16	2913.	0.	0.15	0.65	6.16	6.16	799.	0.	0.04	0.18	33
1489	40	6.16	6.16	691.	0.	0.04	0.15	6.16	6.16	970.	0.	0.05	0.22	11
1490	40	6.16	6.16	3455.	0.	0.18	0.77	6.16	6.16	1619.	0.	0.08	0.36	39
1491	40	6.16	6.16	721.	0.	0.04	0.16	6.16	6.16	1560.	0.	0.08	0.35	18
1492	40	6.16	6.16	2591.	0.	0.13	0.58	6.16	6.16	2336.	0.	0.12	0.52	30
1493	40	6.16	6.16	1593.	0.	0.08	0.36	6.16	6.16	2234.	0.	0.11	0.50	26
1494	40	6.16	6.16	605.	0.	0.03	0.14	6.16	6.16	1988.	0.	0.10	0.44	23
1495	40	6.16	6.16	1837.	0.	0.09	0.41	6.16	6.16	2357.	0.	0.12	0.53	27
1496	40	6.16	6.16	1860.	0.	0.10	0.42	6.16	6.16	2113.	0.	0.11	0.47	24
1498	40	6.16	6.16	2102.	0.	0.11	0.47	6.16	6.16	1513.	0.	0.08	0.34	24
1500	40	6.16	6.16	2127.	0.	0.11	0.48	6.16	6.16	1440.	0.	0.07	0.32	24
1501	40	6.16	6.16	487.	0.	0.03	0.11	6.16	6.16	816.	0.	0.04	0.18	9
1502	40	6.16	6.16	2525.	0.	0.13	0.56	6.16	6.16	2119.	0.	0.11	0.47	29
1503	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	1335.	0.	0.07	0.30	15
1504	40	6.16	6.16	1755.	0.	0.09	0.39	6.16	6.16	2634.	0.	0.14	0.59	30
1505	40	6.16	6.16	1262.	0.	0.06	0.28	6.16	6.16	2208.	0.	0.11	0.49	25
1506	40	6.16	6.16	238.	0.	0.01	0.05	6.16	6.16	2689.	0.	0.14	0.60	31
1507	40	6.16	6.16	1725.	0.	0.09	0.39	6.16	6.16	2402.	0.	0.12	0.54	27
1508	40	6.16	6.16	2031.	0.	0.10	0.45	6.16	6.16	1880.	0.	0.10	0.42	23
1510	40	6.16	6.16	1750.	0.	0.09	0.39	6.16	6.16	1611.	0.	0.08	0.36	20
1512	40	6.16	6.16	1678.	0.	0.09	0.37	6.16	6.16	1483.	0.	0.08	0.33	19
1513	40	6.16	6.16	333.	0.	0.02	0.07	6.16	6.16	418.	0.	0.02	0.09	5
1514	40	6.16	6.16	1653.	0.	0.08	0.37	6.16	6.16	1813.	0.	0.09	0.41	21
1516	40	6.16	6.16	1073.	0.	0.06	0.24	6.16	6.16	2134.	0.	0.11	0.48	24
1517	40	6.16	6.16	609.	0.	0.03	0.14	6.16	6.16	1390.	0.	0.07	0.31	16
1518	40	6.16	6.16	117.	0.	0.01	0.03	6.16	6.16	2165.	0.	0.11	0.48	25
1519	40	6.16	6.16	1803.	0.	0.09	0.40	6.16	6.16	1889.	0.	0.10	0.42	22
1520	40	6.16	6.16	2187.	0.	0.11	0.49	6.16	6.16	1511.	0.	0.08	0.34	25
1522	40	6.16	6.16	1947.	0.	0.10	0.43	6.16	6.16	1454.	0.	0.07	0.32	22
1524	40	6.16	6.16	1481.	0.	0.08	0.33	6.16	6.16	1278.	0.	0.07	0.29	17
1525	40	6.16	6.16	226.	0.	0.01	0.05	6.16	6.16	0.	0.	0.00	0.00	3
1526	40	6.16	6.16	1123.	0.	0.06	0.25	6.16	6.16	1301.	0.	0.07	0.29	15
1527	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1528	40	6.16	6.16	621.	0.	0.03	0.14	6.16	6.16	1469.	0.	0.08	0.33	17
1529	40	6.16	6.16	1.	0.	0.00	0.00	6.16	6.16	674.	0.	0.03	0.15	8
1530	40	6.16	6.16	70.	0.	0.00	0.02	6.16	6.16	1511.	0.	0.08	0.34	17
1531	40	6.16	6.16	1758.	0.	0.09	0.39	6.16	6.16	1424.	0.	0.07	0.32	20
1532	40	6.16	6.16	2261.	0.	0.12	0.51	6.16	6.16	1494.	0.	0.08	0.33	26
1534	40	6.16	6.16	2175.	0.	0.11	0.49	6.16	6.16	1447.	0.	0.07	0.32	25
1536	40	6.16	6.16	1626.	0.	0.08	0.36	6.16	6.16	1198.	0.	0.06	0.27	19
1537	40	6.16	6.16	85.	0.	0.00	0.02	6.16	6.16	1200.	0.	0.06	0.27	14
1538	40	6.16	6.16	988.	0.	0.05	0.22	6.16	6.16	971.	0.	0.05	0.22	11
1539	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	1101.	0.	0.06	0.25	13
1540	40	6.16	6.16	386.	0.	0.02	0.09	6.16	6.16	914.	0.	0.05	0.20	10
1541	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	1097.	0.	0.06	0.25	13
1542	40	6.16	6.16	28.	0.	0.00	0.01	6.16	6.16	942.	0.	0.05	0.21	11
1543	40	6.16	6.16	1534.	0.	0.08	0.34	6.16	6.16	1340.	0.	0.07	0.30	18
1544	40	6.16	6.16	2271.	0.	0.12	0.51	6.16	6.16	1716.	0.	0.09	0.38	26
1546	40	6.16	6.16	2455.	0.	0.13	0.55	6.16	6.16	1658.	0.	0.09	0.37	28
1548	40	6.16	6.16	1980.	0.	0.10	0.44	6.16	6.16	1304.	0.	0.07	0.29	23
1549	40	6.16	6.16	219.	0.	0.01	0.05	6.16	6.16	1189.	0.	0.06	0.27	14
1550	40	6.16	6.16	1203.	0.	0.06	0.27	6.16	6.16	886.	0.	0.05	0.20	14
1551	40	6.16	6.16	143.	0.	0.01	0.03	6.16	6.16	1233.	0.	0.06	0.28	14
1552	40	6.16	6.16	506.	0.	0.03	0.11	6.16	6.16	643.	0.	0.03	0.14	7
1553	40	6.16	6.16	255.	0.	0.01	0.06	6.16	6.16	1277.	0.	0.07	0.29	15
1554	40	6.16	6.16	70.	0.	0.00	0.02	6.16	6.16	645.	0.	0.03	0.14	7
1555	40	6.16	6.16	1282.	0.	0.07	0.29	6.16	6.16	1432.	0.	0.07	0.32	16
1556	40	6.16	6.16	2122.	0.	0.11	0.47	6.16	6.16	1668.	0.	0.09	0.37	24
1558	40	6.16	6.16	2639.	0.	0.14	0.59	6.16	6.16	1718.	0.	0.09	0.38	30
1560	40	6.16	6.16	2441.	0.	0.13	0.55	6.16	6.16	1493.	0.	0.08	0.33	28
1561	40	6.16	6.16	321.	0.	0.02	0.07	6.16	6.16	1490.	0.	0.08	0.33	17
1562	40	6.16	6.16	1715.	0.	0.09	0.38	6.16	6.16	950.	0.	0.05	0.21	20
1563	40	6.16	6.16	442.	0.	0.02	0.10	6.16	6.16	1669.	0.	0.09	0.37	19
1564	40	6.16	6.16	712.	0.	0.04	0.16	6.16	6.16	412.	0.	0.02	0.09	8
1565	40	6.16	6.16	332.	0.	0.02	0.07	6.16	6.16	1655.	0.	0.09	0.37	19
1566	40	6.16	6.16	201.	0.	0.01	0.04	6.16	6.16	348.	0.	0.02	0.08	4
1567	40	6.16	6.16	705.	0.	0.04	0.16	6.16	6.16	1182.	0.	0.06	0.26	14
1568	40	6.16	6.16	1472.	0.	0.08	0.33	6.16	6.16	1254.	0.	0.06	0.28	17
1570	40	6.16	6.16	2632.	0.	0.14	0.59	6.16	6.16	1657.	0.	0.09	0.37	30
1572	40	6.16	6.16	2793.	0.	0.14	0.62	6.16	6.16	1646.	0.	0.08	0.37	32
1574	40	6.16	6.16	2335.	0.	0.12	0.52	6.16	6.16	1222.	0.	0.06	0.27	27
1575	40	6.16	6.16	395.	0.	0.02	0.09	6.16	6.16	944.	0.	0.05	0.21	11
1576	40	6.16	6.16	1365.	0.	0.07	0.30	6.16	6.16	476.	0.	0.02	0.11	16
1578	40	6.16	6.16	204.	0.	0.01	0.05	6.16	6.16	162.	0.	0.01	0.04	2
1579	40	6.16	6.16	41.	0.	0.00	0.01	6.16	6.16	360.	0.	0.02	0.08	4
1580	40	6.16	6.16	504.	0.	0.03	0.11	6.16	6.16	711.	0.	0.04	0.16	8

1582	40	6.16	6.16	2207.	0.	0.11	0.49	6.16	6.16	1515.	0.	0.08	0.34	25
1584	40	6.16	6.16	2833.	0.	0.15	0.63	6.16	6.16	1849.	0.	0.10	0.41	32
1586	40	6.16	6.16	2700.	0.	0.14	0.60	6.16	6.16	1813.	0.	0.09	0.41	31
1588	40	6.16	6.16	1949.	0.	0.10	0.44	6.16	6.16	1599.	0.	0.08	0.36	22
1589	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	142.	0.	0.01	0.03	2
1590	40	6.16	6.16	723.	0.	0.04	0.16	6.16	6.16	1339.	0.	0.07	0.30	15
1592	40	6.16	6.16	131.	0.	0.01	0.03	6.16	6.16	89.	0.	0.00	0.02	1
1594	40	6.16	6.16	1139.	0.	0.06	0.25	6.16	6.16	812.	0.	0.04	0.18	13
1596	40	6.16	6.16	2518.	0.	0.13	0.56	6.16	6.16	1693.	0.	0.09	0.38	29
1598	40	6.16	6.16	2701.	0.	0.14	0.60	6.16	6.16	2226.	0.	0.11	0.50	31
1600	40	6.16	6.16	1978.	0.	0.10	0.44	6.16	6.16	2443.	0.	0.13	0.55	28
1601	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1602	40	6.16	6.16	835.	0.	0.04	0.19	6.16	6.16	2578.	0.	0.13	0.58	29
1603	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	84.	0.	0.00	0.02	1
1606	40	6.16	6.16	162.	0.	0.01	0.04	6.16	6.16	243.	0.	0.01	0.05	3
1608	40	6.16	6.16	1530.	0.	0.08	0.34	6.16	6.16	963.	0.	0.05	0.22	17
1610	40	6.16	6.16	2309.	0.	0.12	0.52	6.16	6.16	1751.	0.	0.09	0.39	26
1612	40	6.16	6.16	2033.	0.	0.10	0.45	6.16	6.16	2610.	0.	0.13	0.58	30
1614	40	6.16	6.16	634.	0.	0.03	0.14	6.16	6.16	3247.	0.	0.17	0.73	37
1615	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1616	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1620	40	6.16	6.16	1605.	0.	0.08	0.36	6.16	6.16	537.	0.	0.03	0.12	18
1622	40	6.16	6.16	3231.	0.	0.17	0.72	6.16	6.16	1806.	0.	0.09	0.40	37
1624	40	6.16	6.16	3398.	0.	0.17	0.76	6.16	6.16	3094.	0.	0.16	0.69	39
1626	40	6.16	6.16	550.	0.	0.03	0.12	6.16	6.16	3322.	0.	0.17	0.74	38
1628	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
1630	40	6.16	6.16	28.	0.	0.00	0.01	6.16	6.16	0.	0.	0.00	0.00	0
1634	40	6.16	6.16	4178.	0.	0.21	0.93	6.16	6.16	899.	0.	0.05	0.20	48
1636	40	6.16	6.16	4593.	0.	0.24	1.03	6.16	6.16	2267.	0.	0.12	0.51	52
1638	40	6.16	14.64	1091.	0.	0.05	0.24	6.16	6.16	2602.	0.	0.13	0.58	30
1642	40	6.16	6.16	141.	0.	0.01	0.03	6.16	6.16	0.	0.	0.00	0.00	2
1644	40	6.16	6.16	1544.	0.	0.08	0.34	6.16	6.16	63.	0.	0.00	0.01	18
1646	40	6.16	6.16	3130.	0.	0.16	0.70	6.16	6.16	0.	0.	0.00	0.00	36
1648	40	6.16	6.16	4751.	0.	0.24	1.06	6.16	14.45	255.	0.	0.01	0.06	54
1650	40	6.16	14.64	0.	0.	0.00	0.00	6.16	14.45	0.	0.	0.00	0.00	0
1652	40	6.16	14.29	2284.	0.	0.11	0.51	6.16	6.16	2439.	0.	0.13	0.54	28
1654	40	6.16	6.16	2668.	0.	0.14	0.60	6.16	6.16	1435.	0.	0.07	0.32	30
1656	40	6.16	6.16	3767.	0.	0.19	0.84	6.16	6.16	186.	0.	0.01	0.04	43
1657	40	6.16	6.16	734.	0.	0.04	0.16	6.16	6.16	521.	0.	0.03	0.12	8
1658	40	6.16	6.16	3680.	0.	0.19	0.82	6.16	6.16	0.	0.	0.00	0.00	42
1659	40	6.16	6.16	769.	0.	0.04	0.17	6.16	6.16	851.	0.	0.04	0.19	10
1660	40	6.16	6.16	1992.	0.	0.10	0.45	6.16	6.16	350.	0.	0.02	0.08	23
1661	40	6.16	6.16	481.	0.	0.02	0.11	6.16	6.16	659.	0.	0.03	0.15	8
1662	40	6.16	14.29	616.	0.	0.03	0.14	6.16	14.49	905.	0.	0.04	0.20	10
1663	40	6.16	14.29	1354.	0.	0.06	0.30	6.16	6.16	1825.	0.	0.09	0.41	21
1664	40	6.16	14.29	1671.	0.	0.08	0.37	6.16	6.16	751.	0.	0.04	0.17	19
1666	40	6.16	6.16	2764.	0.	0.14	0.62	6.16	6.16	453.	0.	0.02	0.10	32
1668	40	6.16	6.16	3717.	0.	0.19	0.83	6.16	6.16	68.	0.	0.00	0.02	42
1669	40	6.16	6.16	556.	0.	0.03	0.12	6.16	6.16	227.	0.	0.01	0.05	6
1670	40	6.16	6.16	3528.	0.	0.18	0.79	6.16	6.16	58.	0.	0.00	0.01	40
1671	40	6.16	6.16	564.	0.	0.03	0.13	6.16	6.16	147.	0.	0.01	0.03	6
1672	40	6.16	6.16	1932.	0.	0.10	0.43	6.16	6.16	557.	0.	0.03	0.12	22
1673	40	6.16	6.16	573.	0.	0.03	0.13	6.16	6.16	437.	0.	0.02	0.10	7
1674	40	6.16	14.29	802.	0.	0.04	0.18	6.16	6.16	434.	0.	0.02	0.10	9
1675	40	6.16	14.29	764.	0.	0.04	0.17	6.16	6.16	695.	0.	0.04	0.16	9
1680	40	6.16	6.16	2075.	0.	0.11	0.46	6.16	6.16	0.	0.	0.00	0.00	24
1684	40	6.16	6.16	3070.	0.	0.16	0.69	6.16	14.45	1506.	0.	0.08	0.34	35
1686	40	6.16	14.64	0.	0.	0.00	0.00	6.16	14.45	564.	0.	0.03	0.13	6
1692	40	6.16	6.16	2261.	0.	0.12	0.51	6.16	6.16	15.	0.	0.00	0.00	26
1694	40	6.16	6.16	1870.	0.	0.10	0.42	6.16	6.16	1103.	0.	0.06	0.25	21
1698	40	6.16	14.64	0.	0.	0.00	0.00	6.16	6.16	2412.	0.	0.12	0.54	28
1700	40	6.16	14.29	1521.	0.	0.07	0.34	6.16	6.16	2138.	0.	0.11	0.48	24
1701	40	6.16	6.16	815.	0.	0.04	0.18	6.16	6.16	1037.	0.	0.05	0.23	12
1702	40	6.16	6.16	2621.	0.	0.13	0.59	6.16	6.16	1391.	0.	0.07	0.31	30
1703	40	6.16	6.16	1490.	0.	0.08	0.33	6.16	6.16	1564.	0.	0.08	0.35	18
1704	40	6.16	6.16	3661.	0.	0.19	0.82	6.16	6.16	671.	0.	0.03	0.15	42
1705	40	6.16	6.16	1971.	0.	0.10	0.44	6.16	6.16	1652.	0.	0.08	0.37	23
1706	40	6.16	6.16	3621.	0.	0.19	0.81	6.16	6.16	391.	0.	0.02	0.09	41
1707	40	6.16	6.16	2113.	0.	0.11	0.47	6.16	6.16	1548.	0.	0.08	0.35	24
1708	40	6.16	6.16	2762.	0.	0.14	0.62	6.16	6.16	1035.	0.	0.05	0.23	32
1709	40	6.16	6.16	2058.	0.	0.11	0.46	6.16	6.16	1877.	0.	0.10	0.42	24
1710	40	6.16	14.29	1004.	0.	0.05	0.22	6.16	14.58	1256.	0.	0.06	0.28	14
1711	40	6.16	14.29	1457.	0.	0.07	0.33	6.16	6.16	2256.	0.	0.12	0.50	26
1712	40	6.16	6.16	1286.	0.	0.07	0.29	6.16	6.16	1985.	0.	0.10	0.44	23
1713	40	6.16	6.16	778.	0.	0.04	0.17	6.16	6.16	1131.	0.	0.06	0.25	13
1714	40	6.16	6.16	2522.	0.	0.13	0.56	6.16	6.16	1778.	0.	0.09	0.40	29
1715	40	6.16	6.16	1558.	0.	0.08	0.35	6.16	6.16	2321.	0.	0.12	0.52	27
1716	40	6.16	6.16	3021.	0.	0.16	0.67	6.16	6.16	1085.	0.	0.06	0.24	35
1717	40	6.16	6.16	2359.	0.	0.12	0.53	6.16	6.16	2695.	0.	0.14	0.60	31
1718	40	6.16	6.16	3382.	0.	0.17	0.76	6.16	6.16	1405.	0.	0.07	0.31	39
1719	40	6.16	6.16	2796.	0.	0.14	0.62	6.16	6.16	2811.	0.	0.14	0.63	32
1720	40	6.16	6.16	2561.	0.	0.13	0.57	6.16	6.16	2219.	0.	0.11	0.50	29
1721	40	6.16	6.16	2575.	0.	0.13	0.58	6.16	6.16	2866.	0.	0.15	0.64	33
1722	40	6.16	6.16	727.	0.	0.04	0.16	6.16	6.16	1850.	0.	0.10	0.41	21

1723	40	6.16	6.16	1410.	0.	0.07	0.31	6.16	6.16	2526.	0.	0.13	0.56	29
1724	40	6.16	6.16	752.	0.	0.04	0.17	6.16	6.16	2417.	0.	0.12	0.54	28
1726	40	6.16	6.16	1817.	0.	0.09	0.41	6.16	6.16	2219.	0.	0.11	0.50	25
1727	40	6.16	6.16	1110.	0.	0.06	0.25	6.16	6.16	1922.	0.	0.10	0.43	22
1728	40	6.16	6.16	2059.	0.	0.11	0.46	6.16	6.16	1605.	0.	0.08	0.36	24
1729	40	6.16	6.16	2293.	0.	0.12	0.51	6.16	6.16	3090.	0.	0.16	0.69	35
1730	40	6.16	6.16	2300.	0.	0.12	0.51	6.16	6.16	2021.	0.	0.10	0.45	26
1731	40	6.16	6.16	2828.	0.	0.15	0.63	6.16	6.16	3540.	0.	0.18	0.79	40
1732	40	6.16	6.16	1702.	0.	0.09	0.38	6.16	6.16	2533.	0.	0.13	0.57	29
1733	40	6.16	6.16	2522.	0.	0.13	0.56	6.16	6.16	3579.	0.	0.18	0.80	41
1734	40	6.16	6.16	257.	0.	0.01	0.06	6.16	6.16	2429.	0.	0.12	0.54	28
1735	40	6.16	6.16	1353.	0.	0.07	0.30	6.16	6.16	3353.	0.	0.17	0.75	38
1736	40	6.16	6.16	1183.	0.	0.06	0.26	6.16	6.16	2613.	0.	0.13	0.58	30
1737	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	542.	0.	0.03	0.12	6
1738	40	6.16	6.16	1163.	0.	0.06	0.26	6.16	6.16	1869.	0.	0.10	0.42	21
1740	40	6.16	6.16	1179.	0.	0.06	0.26	6.16	6.16	1454.	0.	0.07	0.32	17
1741	40	6.16	6.16	1672.	0.	0.09	0.37	6.16	6.16	2161.	0.	0.11	0.48	25
1742	40	6.16	6.16	1359.	0.	0.07	0.30	6.16	6.16	1750.	0.	0.09	0.39	20
1743	40	6.16	6.16	2551.	0.	0.13	0.57	6.16	6.16	3084.	0.	0.16	0.69	35
1744	40	6.16	6.16	979.	0.	0.05	0.22	6.16	6.16	2084.	0.	0.11	0.47	24
1745	40	6.16	6.16	2479.	0.	0.13	0.55	6.16	6.16	3272.	0.	0.17	0.73	37
1746	40	6.16	6.16	128.	0.	0.01	0.03	6.16	6.16	2031.	0.	0.10	0.45	23
1747	40	6.16	6.16	1819.	0.	0.09	0.41	6.16	6.16	3196.	0.	0.16	0.71	37
1748	40	6.16	6.16	1665.	0.	0.09	0.37	6.16	6.16	2339.	0.	0.12	0.52	27
1750	40	6.16	6.16	1239.	0.	0.06	0.28	6.16	6.16	1814.	0.	0.09	0.41	21
1752	40	6.16	6.16	956.	0.	0.05	0.21	6.16	6.16	1389.	0.	0.07	0.31	16
1753	40	6.16	6.16	991.	0.	0.05	0.22	6.16	6.16	1230.	0.	0.06	0.27	14
1754	40	6.16	6.16	851.	0.	0.04	0.19	6.16	6.16	1270.	0.	0.07	0.28	15
1755	40	6.16	6.16	1840.	0.	0.09	0.41	6.16	6.16	2091.	0.	0.11	0.47	24
1756	40	6.16	6.16	551.	0.	0.03	0.12	6.16	6.16	1364.	0.	0.07	0.30	16
1757	40	6.16	6.16	2330.	0.	0.12	0.52	6.16	6.16	2623.	0.	0.13	0.59	30
1758	40	6.16	6.16	83.	0.	0.00	0.02	6.16	6.16	1333.	0.	0.07	0.30	15
1759	40	6.16	6.16	2121.	0.	0.11	0.47	6.16	6.16	2631.	0.	0.14	0.59	30
1760	40	6.16	6.16	2003.	0.	0.10	0.45	6.16	6.16	2047.	0.	0.11	0.46	23
1762	40	6.16	6.16	1628.	0.	0.08	0.36	6.16	6.16	1704.	0.	0.09	0.38	19
1764	40	6.16	6.16	1183.	0.	0.06	0.26	6.16	6.16	1292.	0.	0.07	0.29	15
1766	40	6.16	6.16	770.	0.	0.04	0.17	6.16	6.16	975.	0.	0.05	0.22	11
1767	40	6.16	6.16	1169.	0.	0.06	0.26	6.16	6.16	1383.	0.	0.07	0.31	16
1768	40	6.16	6.16	419.	0.	0.02	0.09	6.16	6.16	789.	0.	0.04	0.18	9
1769	40	6.16	6.16	1910.	0.	0.10	0.43	6.16	6.16	1939.	0.	0.10	0.43	22
1770	40	6.16	6.16	120.	0.	0.01	0.03	6.16	6.16	683.	0.	0.04	0.15	8
1771	40	6.16	6.16	2161.	0.	0.11	0.48	6.16	6.16	2107.	0.	0.11	0.47	25
1772	40	6.16	6.16	2106.	0.	0.11	0.47	6.16	6.16	1835.	0.	0.09	0.41	24
1774	40	6.16	6.16	1948.	0.	0.10	0.44	6.16	6.16	1692.	0.	0.09	0.38	22
1776	40	6.16	6.16	1518.	0.	0.08	0.34	6.16	6.16	1338.	0.	0.07	0.30	17
1778	40	6.16	6.16	1014.	0.	0.05	0.23	6.16	6.16	951.	0.	0.05	0.21	12
1780	40	6.16	6.16	567.	0.	0.03	0.13	6.16	6.16	632.	0.	0.03	0.14	7
1781	40	6.16	6.16	1373.	0.	0.07	0.31	6.16	6.16	1454.	0.	0.07	0.32	17
1782	40	6.16	6.16	238.	0.	0.01	0.05	6.16	6.16	398.	0.	0.02	0.09	5
1783	40	6.16	6.16	2072.	0.	0.11	0.46	6.16	6.16	1798.	0.	0.09	0.40	24
1784	40	6.16	6.16	2077.	0.	0.11	0.46	6.16	6.16	1701.	0.	0.09	0.38	24
1786	40	6.16	6.16	2116.	0.	0.11	0.47	6.16	6.16	1708.	0.	0.09	0.38	24
1788	40	6.16	6.16	1858.	0.	0.10	0.42	6.16	6.16	1503.	0.	0.08	0.34	21
1790	40	6.16	6.16	1363.	0.	0.07	0.30	6.16	6.16	1143.	0.	0.06	0.26	16
1791	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	233.	0.	0.01	0.05	3
1792	40	6.16	6.16	843.	0.	0.04	0.19	6.16	6.16	776.	0.	0.04	0.17	10
1793	40	6.16	6.16	1196.	0.	0.06	0.27	6.16	6.16	923.	0.	0.05	0.21	14
1794	40	6.16	6.16	442.	0.	0.02	0.10	6.16	6.16	476.	0.	0.02	0.11	5
1795	40	6.16	6.16	1690.	0.	0.09	0.38	6.16	6.16	1471.	0.	0.08	0.33	19
1796	40	6.16	6.16	1719.	0.	0.09	0.38	6.16	6.16	1470.	0.	0.08	0.33	20
1798	40	6.16	6.16	2118.	0.	0.11	0.47	6.16	6.16	1699.	0.	0.09	0.38	24
1800	40	6.16	6.16	2077.	0.	0.11	0.46	6.16	6.16	1680.	0.	0.09	0.38	24
1802	40	6.16	6.16	1703.	0.	0.09	0.38	6.16	6.16	1456.	0.	0.07	0.33	19
1804	40	6.16	6.16	1152.	0.	0.06	0.26	6.16	6.16	1139.	0.	0.06	0.25	13
1806	40	6.16	6.16	688.	0.	0.04	0.15	6.16	6.16	849.	0.	0.04	0.19	10
1807	40	6.16	6.16	1368.	0.	0.07	0.31	6.16	6.16	1153.	0.	0.06	0.26	16
1808	40	6.16	6.16	1267.	0.	0.07	0.28	6.16	6.16	1119.	0.	0.06	0.25	14
1810	40	6.16	6.16	1818.	0.	0.09	0.41	6.16	6.16	1533.	0.	0.08	0.34	21
1812	40	6.16	6.16	2100.	0.	0.11	0.47	6.16	6.16	1760.	0.	0.09	0.39	24
1814	40	6.16	6.16	1898.	0.	0.10	0.42	6.16	6.16	1739.	0.	0.09	0.39	22
1816	40	6.16	6.16	1358.	0.	0.07	0.30	6.16	6.16	1592.	0.	0.08	0.36	18
1818	40	6.16	6.16	867.	0.	0.04	0.19	6.16	6.16	1462.	0.	0.08	0.33	17
1820	40	6.16	6.16	621.	0.	0.03	0.14	6.16	6.16	321.	0.	0.02	0.07	7
1822	40	6.16	6.16	1174.	0.	0.06	0.26	6.16	6.16	1061.	0.	0.05	0.24	13
1824	40	6.16	6.16	1905.	0.	0.10	0.43	6.16	6.16	1546.	0.	0.08	0.35	22
1826	40	6.16	6.16	1905.	0.	0.10	0.43	6.16	6.16	1851.	0.	0.10	0.41	22
1828	40	6.16	6.16	1367.	0.	0.07	0.31	6.16	6.16	2008.	0.	0.10	0.45	23
1830	40	6.16	6.16	882.	0.	0.05	0.20	6.16	6.16	2148.	0.	0.11	0.48	25
1834	40	6.16	6.16	323.	0.	0.02	0.07	6.16	6.16	314.	0.	0.02	0.07	4
1836	40	6.16	6.16	1363.	0.	0.07	0.30	6.16	6.16	981.	0.	0.05	0.22	16
1838	40	6.16	6.16	2092.	0.	0.11	0.47	6.16	6.16	1448.	0.	0.07	0.32	24
1840	40	6.16	6.16	2135.	0.	0.11	0.48	6.16	6.16	2394.	0.	0.12	0.53	27
1842	40	6.16	6.16	722.	0.	0.04	0.16	6.16	6.16	2770.	0.	0.14	0.62	32
1848	40	6.16	6.16	1510.	0.	0.08	0.34	6.16	6.16	426.	0.	0.02	0.10	17

1850	40	6.16	6.16	3152.	0.	0.16	0.70	6.16	6.16	1623.	0.	0.08	0.36	36
1852	40	6.16	6.16	3341.	0.	0.17	0.75	6.16	6.16	2939.	0.	0.15	0.66	38
1854	40	6.16	6.16	585.	0.	0.03	0.13	6.16	6.16	3138.	0.	0.16	0.70	36
1862	40	6.16	6.16	4077.	0.	0.21	0.91	6.16	6.16	826.	0.	0.04	0.18	47
1864	40	6.16	6.16	4469.	0.	0.23	1.00	6.16	6.16	2122.	0.	0.11	0.47	51
1866	40	6.16	14.41	871.	0.	0.04	0.19	6.16	6.16	2450.	0.	0.13	0.55	28
1872	40	6.16	6.16	1591.	0.	0.08	0.36	6.16	6.16	64.	0.	0.00	0.01	18
1874	40	6.16	6.16	2849.	0.	0.15	0.64	6.16	6.16	119.	0.	0.01	0.03	33
1876	40	6.16	6.16	4517.	0.	0.23	1.01	6.16	14.54	263.	0.	0.01	0.06	52
1878	40	6.16	14.41	653.	0.	0.03	0.15	6.16	14.54	319.	0.	0.01	0.07	7
1880	40	6.16	14.29	1650.	0.	0.08	0.37	6.16	6.16	1835.	0.	0.09	0.41	21
1881	40	6.16	6.16	663.	0.	0.03	0.15	6.16	6.16	545.	0.	0.03	0.12	8
1882	40	6.16	6.16	2495.	0.	0.13	0.56	6.16	6.16	961.	0.	0.05	0.21	29
1883	40	6.16	6.16	966.	0.	0.05	0.22	6.16	6.16	333.	0.	0.02	0.07	11
1884	40	6.16	6.16	3845.	0.	0.20	0.86	6.16	6.16	0.	0.	0.00	0.00	44
1885	40	6.16	6.16	898.	0.	0.05	0.20	6.16	6.16	322.	0.	0.02	0.07	10
1886	40	6.16	6.16	3829.	0.	0.20	0.86	6.16	6.16	0.	0.	0.00	0.00	44
1887	40	6.16	6.16	798.	0.	0.04	0.18	6.16	6.16	165.	0.	0.01	0.04	9
1888	40	6.16	6.16	2175.	0.	0.11	0.49	6.16	6.16	41.	0.	0.00	0.01	25
1889	40	6.16	6.16	2006.	0.	0.10	0.45	6.16	6.16	181.	0.	0.01	0.04	23
1890	40	6.16	14.29	580.	0.	0.03	0.13	6.16	14.58	793.	0.	0.04	0.18	9
1891	40	6.16	14.29	1301.	0.	0.06	0.29	6.16	6.16	1782.	0.	0.09	0.40	20
1892	40	6.16	14.29	1802.	0.	0.08	0.40	6.16	6.16	687.	0.	0.04	0.15	21
1893	40	6.16	6.16	476.	0.	0.02	0.11	6.16	6.16	283.	0.	0.01	0.06	5
1894	40	6.16	6.16	2469.	0.	0.13	0.55	6.16	6.16	523.	0.	0.03	0.12	28
1895	40	6.16	6.16	551.	0.	0.03	0.12	6.16	6.16	298.	0.	0.02	0.07	6
1896	40	6.16	6.16	3772.	0.	0.19	0.84	6.16	6.16	92.	0.	0.00	0.02	43
1897	40	6.16	6.16	353.	0.	0.02	0.08	6.16	6.16	248.	0.	0.01	0.06	4
1898	40	6.16	6.16	3749.	0.	0.19	0.84	6.16	6.16	133.	0.	0.01	0.03	43
1899	40	6.16	6.16	362.	0.	0.02	0.08	6.16	6.16	292.	0.	0.01	0.07	4
1900	40	6.16	6.16	2136.	0.	0.11	0.48	6.16	6.16	486.	0.	0.02	0.11	24
1901	40	6.16	6.16	2170.	0.	0.11	0.48	6.16	6.16	548.	0.	0.03	0.12	25
1902	40	6.16	14.29	618.	0.	0.03	0.14	6.16	6.16	375.	0.	0.02	0.08	7
1903	40	6.16	14.29	1327.	0.	0.06	0.30	6.16	6.16	479.	0.	0.02	0.11	15
1912	40	6.16	6.16	2786.	0.	0.14	0.62	6.16	14.54	1971.	0.	0.10	0.44	32
1914	40	6.16	14.41	354.	0.	0.02	0.08	6.16	14.54	873.	0.	0.04	0.19	10
1926	40	6.16	14.41	0.	0.	0.00	0.00	6.16	6.16	2512.	0.	0.13	0.56	29
1966	40	6.16	6.16	485.	0.	0.02	0.11	6.16	6.16	391.	0.	0.02	0.09	6
1968	40	6.16	6.16	420.	0.	0.02	0.09	6.16	6.16	535.	0.	0.03	0.12	6
1970	40	6.16	6.16	347.	0.	0.02	0.08	6.16	6.16	456.	0.	0.02	0.10	5
1972	40	6.16	6.16	334.	0.	0.02	0.07	6.16	6.16	571.	0.	0.03	0.13	7
1974	40	6.16	6.16	308.	0.	0.02	0.07	6.16	6.16	631.	0.	0.03	0.14	7
1976	40	6.16	6.16	171.	0.	0.01	0.04	6.16	6.16	351.	0.	0.02	0.08	4
1984	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	236.	0.	0.01	0.05	3
1987	40	6.16	6.16	1009.	0.	0.05	0.23	6.16	6.16	0.	0.	0.00	0.00	12
1990	40	6.16	6.16	172.	0.	0.01	0.04	6.16	6.16	568.	0.	0.03	0.13	6
1992	40	6.16	6.16	355.	0.	0.02	0.08	6.16	6.16	1113.	0.	0.06	0.25	13
1993	40	6.16	6.16	90.	0.	0.00	0.02	6.16	6.16	315.	0.	0.02	0.07	4
1994	40	6.16	6.16	882.	0.	0.05	0.20	6.16	6.16	804.	0.	0.04	0.18	10
1996	40	6.16	6.16	221.	0.	0.01	0.05	6.16	6.16	0.	0.	0.00	0.00	3
1998	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
2000	40	6.16	6.16	424.	0.	0.02	0.09	6.16	6.16	305.	0.	0.02	0.07	5
2001	40	6.16	6.16	978.	0.	0.05	0.22	6.16	6.16	461.	0.	0.02	0.10	11
2002	40	6.16	6.16	994.	0.	0.05	0.22	6.16	6.16	414.	0.	0.02	0.09	11
2012	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	311.	0.	0.02	0.07	4
2013	40	6.16	6.16	180.	0.	0.01	0.04	6.16	6.16	833.	0.	0.04	0.19	10
2014	40	6.16	6.16	292.	0.	0.02	0.07	6.16	6.16	1389.	0.	0.07	0.31	16
2015	40	6.16	6.16	342.	0.	0.02	0.08	6.16	6.16	1815.	0.	0.09	0.41	21
2016	40	6.16	6.16	957.	0.	0.05	0.21	6.16	6.16	2077.	0.	0.11	0.46	24
2017	40	6.16	6.16	1232.	0.	0.06	0.28	6.16	6.16	511.	0.	0.03	0.11	14
2018	40	6.16	6.16	940.	0.	0.05	0.21	6.16	6.16	613.	0.	0.03	0.14	11
2019	40	6.16	6.16	242.	0.	0.01	0.05	6.16	6.16	515.	0.	0.03	0.11	6
2021	40	6.16	6.16	1149.	0.	0.06	0.26	6.16	6.16	776.	0.	0.04	0.17	13
2023	40	6.16	6.16	1410.	0.	0.07	0.32	6.16	6.16	598.	0.	0.03	0.13	16
2028	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	349.	0.	0.02	0.08	4
2030	40	6.16	6.16	171.	0.	0.01	0.04	6.16	6.16	400.	0.	0.02	0.09	5
2032	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	135.	0.	0.01	0.03	2
2034	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	381.	0.	0.02	0.09	4
2040	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	640.	0.	0.03	0.14	7
2042	40	6.16	6.16	1183.	0.	0.06	0.26	6.16	6.16	67.	0.	0.00	0.02	14
2043	40	6.16	6.16	1063.	0.	0.05	0.24	6.16	6.16	69.	0.	0.00	0.02	12
2045	40	6.16	6.16	235.	0.	0.01	0.05	6.16	6.16	40.	0.	0.00	0.01	3
2047	40	6.16	6.16	176.	0.	0.01	0.04	6.16	6.16	0.	0.	0.00	0.00	2
2048	40	6.16	6.16	148.	0.	0.01	0.03	6.16	6.16	0.	0.	0.00	0.00	2
2049	40	6.16	6.16	105.	0.	0.01	0.02	6.16	6.16	134.	0.	0.01	0.03	2
2051	40	6.16	6.16	385.	0.	0.02	0.09	6.16	6.16	338.	0.	0.02	0.08	4
2052	40	6.16	6.16	205.	0.	0.01	0.05	6.16	6.16	0.	0.	0.00	0.00	2
2053	40	6.16	6.16	423.	0.	0.02	0.09	6.16	6.16	0.	0.	0.00	0.00	5
2054	40	6.16	6.16	157.	0.	0.01	0.04	6.16	6.16	0.	0.	0.00	0.00	2
2057	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	478.	0.	0.02	0.11	5
2058	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	466.	0.	0.02	0.10	5
2059	40	6.16	6.16	395.	0.	0.02	0.09	6.16	6.16	841.	0.	0.04	0.19	10
2060	40	6.16	6.16	346.	0.	0.02	0.08	6.16	6.16	702.	0.	0.04	0.16	8
2063	40	6.16	6.16	315.	0.	0.02	0.07	6.16	6.16	390.	0.	0.02	0.09	4

2064	40	6.16	6.16	288.	0.	0.01	0.06	6.16	6.16	308.	0.	0.02	0.07	4
2065	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	189.	0.	0.01	0.04	2
2066	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	55.	0.	0.00	0.01	1
2067	40	6.16	6.16	349.	0.	0.02	0.08	6.16	6.16	0.	0.	0.00	0.00	4
2068	40	6.16	6.16	412.	0.	0.02	0.09	6.16	6.16	40.	0.	0.00	0.01	5
2069	40	6.16	6.16	347.	0.	0.02	0.08	6.16	6.16	0.	0.	0.00	0.00	4
2070	40	6.16	6.16	433.	0.	0.02	0.10	6.16	6.16	0.	0.	0.00	0.00	5
2071	40	6.16	6.16	369.	0.	0.02	0.08	6.16	6.16	0.	0.	0.00	0.00	4
2072	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
2073	40	6.16	6.16	111.	0.	0.01	0.02	6.16	6.16	0.	0.	0.00	0.00	1
2074	40	6.16	6.16	190.	0.	0.01	0.04	6.16	6.16	1579.	0.	0.08	0.35	18
2075	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
2077	40	6.16	6.16	1040.	0.	0.05	0.23	6.16	6.16	0.	0.	0.00	0.00	12
2078	40	6.16	6.16	847.	0.	0.04	0.19	6.16	6.16	0.	0.	0.00	0.00	10
2080	40	6.16	6.16	482.	0.	0.02	0.11	6.16	6.16	1841.	0.	0.09	0.41	21
2081	40	6.16	6.16	996.	0.	0.05	0.22	6.16	6.16	1980.	0.	0.10	0.44	23
2082	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	1411.	0.	0.07	0.32	16
2083	40	6.16	6.16	1180.	0.	0.06	0.26	6.16	6.16	366.	0.	0.02	0.08	13
2084	40	6.16	6.16	871.	0.	0.04	0.19	6.16	6.16	428.	0.	0.02	0.10	10
2085	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	172.	0.	0.01	0.04	2
2086	40	6.16	6.16	1605.	0.	0.08	0.36	6.16	6.16	2544.	0.	0.13	0.57	29
2087	40	6.16	6.16	757.	0.	0.04	0.17	6.16	6.16	1882.	0.	0.10	0.42	21
2088	40	6.16	6.16	1632.	0.	0.08	0.36	6.16	6.16	1126.	0.	0.06	0.25	19
2089	40	6.16	6.16	1610.	0.	0.08	0.36	6.16	6.16	0.	0.	0.00	0.00	18
2090	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	400.	0.	0.02	0.09	5
2093	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	139.	0.	0.01	0.03	2
2096	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	110.	0.	0.01	0.02	1
2098	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
2101	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
2104	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
2107	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
2110	40	6.16	6.16	195.	0.	0.01	0.04	6.16	6.16	0.	0.	0.00	0.00	2
2113	40	6.16	6.16	521.	0.	0.03	0.12	6.16	6.16	0.	0.	0.00	0.00	6
2118	40	6.16	6.16	1390.	0.	0.07	0.31	6.16	6.16	364.	0.	0.02	0.08	16
2124	40	6.16	6.16	810.	0.	0.04	0.18	6.16	6.16	714.	0.	0.04	0.16	9
2127	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	304.	0.	0.02	0.07	3
2133	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	169.	0.	0.01	0.04	2
2134	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	406.	0.	0.02	0.09	5
2136	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	268.	0.	0.01	0.06	3
2137	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	287.	0.	0.01	0.06	3
2139	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	146.	0.	0.01	0.03	2
2140	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	346.	0.	0.02	0.08	4
2142	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	37.	0.	0.00	0.01	0
2143	40	6.16	6.16	28.	0.	0.00	0.01	6.16	6.16	0.	0.	0.00	0.00	0
2145	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
2146	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	16.	0.	0.00	0.00	0
2147	40	6.16	6.16	22.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
2151	40	6.16	6.16	60.	0.	0.00	0.01	6.16	6.16	142.	0.	0.01	0.03	2
2153	40	6.16	6.16	50.	0.	0.00	0.01	6.16	6.16	0.	0.	0.00	0.00	1
2154	40	6.16	6.16	39.	0.	0.00	0.01	6.16	6.16	0.	0.	0.00	0.00	0
2159	40	6.16	6.16	433.	0.	0.02	0.10	6.16	6.16	0.	0.	0.00	0.00	5
2160	40	6.16	6.16	488.	0.	0.03	0.11	6.16	6.16	0.	0.	0.00	0.00	6
2162	40	6.16	6.16	1372.	0.	0.07	0.31	6.16	6.16	0.	0.	0.00	0.00	16
2163	40	6.16	6.16	1403.	0.	0.07	0.31	6.16	6.16	0.	0.	0.00	0.00	16
2165	40	6.16	6.16	1412.	0.	0.07	0.32	6.16	6.16	903.	0.	0.05	0.20	16
2166	40	6.16	6.16	1570.	0.	0.08	0.35	6.16	6.16	1505.	0.	0.08	0.34	18
2168	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	297.	0.	0.02	0.07	3
2169	40	6.16	6.16	70.	0.	0.00	0.02	6.16	6.16	1063.	0.	0.05	0.24	12
2196	40	6.16	6.16	1094.	0.	0.06	0.24	6.16	6.16	845.	0.	0.04	0.19	13
2198	40	6.16	6.16	1349.	0.	0.07	0.30	6.16	6.16	626.	0.	0.03	0.14	15
2203	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	296.	0.	0.02	0.07	3
2205	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	378.	0.	0.02	0.08	4
2207	40	6.16	6.16	299.	0.	0.02	0.07	6.16	6.16	199.	0.	0.01	0.04	3
2209	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	599.	0.	0.03	0.13	7
2211	40	6.16	6.16	935.	0.	0.05	0.21	6.16	6.16	0.	0.	0.00	0.00	11
2212	40	6.16	6.16	836.	0.	0.04	0.19	6.16	6.16	0.	0.	0.00	0.00	10
2213	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
2214	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
2217	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	360.	0.	0.02	0.08	4
2218	40	6.16	6.16	8.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
2219	40	6.16	6.16	217.	0.	0.01	0.05	6.16	6.16	0.	0.	0.00	0.00	2
2221	40	6.16	6.16	695.	0.	0.04	0.16	6.16	6.16	0.	0.	0.00	0.00	8
2222	40	6.16	6.16	550.	0.	0.03	0.12	6.16	6.16	0.	0.	0.00	0.00	6
2225	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
2226	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
2228	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	19.	0.	0.00	0.00	0
2229	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0
2231	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	109.	0.	0.01	0.02	1
2232	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	5.	0.	0.00	0.00	0
2234	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	705.	0.	0.04	0.16	8
2235	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	391.	0.	0.02	0.09	4
2237	40	6.16	6.16	251.	0.	0.01	0.06	6.16	6.16	518.	0.	0.03	0.12	6
2238	40	6.16	6.16	174.	0.	0.01	0.04	6.16	6.16	445.	0.	0.02	0.10	5
2241	40	6.16	6.16	155.	0.	0.01	0.03	6.16	6.16	639.	0.	0.03	0.14	7

2242	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	251.	0.	0.01	0.06	3
2244	40	6.16	6.16	353.	0.	0.02	0.08	6.16	6.16	787.	0.	0.04	0.18	9
2247	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	470.	0.	0.02	0.11	5
2248	40	6.16	6.16	445.	0.	0.02	0.10	6.16	6.16	285.	0.	0.01	0.06	5
2251	40	6.16	6.16	143.	0.	0.01	0.03	6.16	6.16	71.	0.	0.00	0.02	2
2253	40	6.16	6.16	169.	0.	0.01	0.04	6.16	6.16	0.	0.	0.00	0.00	2
2254	40	6.16	6.16	51.	0.	0.00	0.01	6.16	6.16	0.	0.	0.00	0.00	1
2256	40	6.16	6.16	698.	0.	0.04	0.16	6.16	6.16	0.	0.	0.00	0.00	8
2259	40	6.16	6.16	498.	0.	0.03	0.11	6.16	6.16	0.	0.	0.00	0.00	6
2260	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	1465.	0.	0.08	0.33	17
2263	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	1037.	0.	0.05	0.23	12
2265	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	1456.	0.	0.07	0.33	17
2266	40	6.16	6.16	14.	0.	0.00	0.00	6.16	6.16	1050.	0.	0.05	0.23	12
2269	40	6.16	6.16	1901.	0.	0.10	0.42	6.16	6.16	2158.	0.	0.11	0.48	25
2270	40	6.16	6.16	1183.	0.	0.06	0.26	6.16	6.16	1717.	0.	0.09	0.38	20
2470	40	6.16	6.16	1225.	0.	0.06	0.27	6.16	6.16	0.	0.	0.00	0.00	14
2471	40	6.16	6.16	1067.	0.	0.05	0.24	6.16	6.16	0.	0.	0.00	0.00	12
2510	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	427.	0.	0.02	0.10	5
2511	40	6.16	6.16	0.	0.	0.00	0.00	6.16	6.16	0.	0.	0.00	0.00	0

VERIFICHE A PUNZONAMENTO

		Norm [daN]	beta	sigT [daN/cm2]	Pcrit [cm]	Ro [%]	Acrit [cm2]	VRd,c [daN]	VEd [daN]	A staffe [cm2]	VRd,cs [daN]	
A	1	-88418.8	1.08	0.10	702.5	0.39	55681.9	115453.0	90166.0	0.0	0.0	sì
A	5	-110685.3	1.05	0.10	702.5	0.39	55681.9	115453.0	111195.0	0.0	0.0	sì
A	6	-90181.4	1.05	0.10	702.5	0.39	55681.9	115453.0	88802.0	0.0	0.0	sì
A	8	-111106.3	1.06	0.10	702.5	0.39	55681.9	115453.0	112167.0	0.0	0.0	sì
A	9	-92517.7	1.02	0.10	702.5	0.39	55681.9	115453.0	88338.0	0.0	0.0	sì
A	11	-143753.2	1.02	0.10	705.0	0.39	38563.4	115860.0	139800.0	30.2	190193.0	sì
A	12	-186157.4	1.01	0.10	705.0	0.39	38563.4	115860.0	177127.0	33.5	201564.0	sì
A	13	-136973.6	1.02	0.10	705.0	0.39	38563.4	115860.0	134069.0	24.1	169540.0	sì
A	14	-195161.6	1.01	0.10	705.0	0.42	38563.4	118757.0	186377.0	33.5	203737.0	sì
A	15	-138330.6	1.02	0.10	705.0	0.39	38563.4	115860.0	135247.0	24.1	169540.0	sì
A	635	-78656.3	1.02	0.10	702.5	0.25	55681.9	103733.0	74607.0	0.0	0.0	sì
A	637	-60938.9	1.08	0.10	702.5	0.25	55681.9	103733.0	60498.0	0.0	0.0	sì
A	649	-18371.8	1.25	0.10	705.0	0.17	38563.4	104099.0	19153.0	0.0	0.0	sì

MACROGUSCIO soletta

VERIFICA ARMATURE EFFETTIVE (EFFETTO MEMBRANA + PIASTRA)

CASI DI CARICO: ->

Nome	Descrizione
1	SLU
2	SLU VENTOX
3	SLU VENTOY
6	SLU con SISMAX PRINC
7	SLU con SISMAY PRINC
13	SLUEqu
14	SLUEqu VENTOX
15	SLUEqu VENTOY
23	valanga

DATI:

```
   tensione di snervamento acciaio (fyk): 4500    daN/cm2
   coefficiente sicurezza acciaio       : 1.15
   deformazione ultima acciaio          : 1.96    per mille
   deformazione ultima cls              :  3.5    per mille
   rapporto rottura/snervamento      (k): 1
   resistenza cilindrica cls       (fck): 249     daN/cm2
   coefficiente sicurezza cls           : 1.5
   coefficiente riduttivo         (alfa): 0.85
   copriferro inferiore  (asse armatura):  3      cm
   copriferro superiore  (asse armatura):  3      cm
   moltiplicatore sollecitazioni        :  1
```

LEGENDA:

```
   spess = spessore guscio. Verifica effettuata su sezione BxH, con B=1 cm e H="spess" cm
   Af    = area disposta al lembo teso, in cm2 al metro
   Afc   = area disposta al lembo compresso, in cm2 al metro
   Mom   = momento flettente [daNcm/cm]
   Nor   = sforzo normale [daN]
   epsC  = deformazione cls [per mille]
   epsF  = deformazione acciaio [per mille]
<-
   L'armatura è sufficiente se le deformazioni dei materiali sono ovunque minori delle
corrispondenti deformazioni ultime.
```

Per gli elementi non dissipativi la permanenza in campo elastico è ottenuta limitando la deformazione dell'acciaio alla deformazione di snervamento (1.96 per mille) e quella del calcestruzzo al 2 per mille.

		INFERIORE ORIZZONTALE						INFERIORE VERTICALE						COEF.
GUSCI	spess	Af	Afc	Mom	Nor	epsC	epsF	Af	Afc	Mom	Nor	epsC	epsF	MAX %
2272	30	7.70	7.70	792.	179.	0.00	0.79	7.70	7.70	3386.	60.	0.16	1.08	53
2273	30	7.70	7.70	1095.	100.	0.00	0.65	7.70	7.70	2036.	79.	0.00	0.79	38
2274	30	7.70	7.70	1682.	128.	0.00	0.85	7.70	7.70	1434.	81.	0.00	0.64	42
2275	30	7.70	7.70	1895.	157.	0.00	1.00	7.70	7.70	1727.	38.	0.04	0.58	49
2276	30	7.70	7.70	1434.	149.	0.00	0.86	7.70	7.70	2205.	16.	0.15	0.63	42
2277	30	7.70	7.70	0.	179.	0.00	0.58	7.70	7.70	2625.	-1.	0.21	0.69	33
2278	30	7.70	7.70	605.	257.	0.00	1.00	7.70	7.70	1189.	87.	0.00	0.59	50
2279	30	7.70	7.70	773.	146.	0.00	0.77	7.70	7.70	1500.	141.	0.00	0.85	42
2280	30	7.70	7.70	1153.	55.	0.00	0.48	7.70	7.70	1160.	136.	0.00	0.75	37
2281	30	7.70	7.70	1750.	99.	0.00	0.78	7.70	7.70	1489.	101.	0.00	0.72	38
2282	30	7.70	7.70	1373.	103.	0.00	0.69	7.70	7.70	2032.	67.	0.12	0.75	36
2283	30	7.70	7.70	0.	100.	0.00	0.33	7.70	7.70	2507.	23.	0.17	0.73	36
2284	30	7.70	7.70	921.	46.	0.00	0.39	7.70	7.70	1050.	21.	0.02	0.44	22
2285	30	7.70	7.70	815.	45.	0.00	0.36	7.70	7.70	1949.	38.	0.06	0.63	31
2286	30	7.70	7.70	0.	65.	0.00	0.21	7.70	7.70	2033.	39.	0.10	0.66	32
2287	30	7.70	7.70	726.	124.	0.00	0.59	7.70	7.70	2927.	103.	0.04	1.10	54
2288	30	7.70	7.70	1137.	132.	0.00	0.72	7.70	7.70	1744.	91.	0.00	0.75	37
2289	30	7.70	7.70	1691.	137.	0.00	0.96	7.70	7.70	880.	47.	0.00	0.40	47
2290	30	7.70	7.70	2218.	250.	0.00	1.40	7.70	7.70	1254.	83.	0.00	0.60	70
2291	30	7.70	7.70	1698.	101.	0.00	0.77	7.70	7.70	1507.	157.	0.00	0.92	45
2292	30	7.70	7.70	0.	183.	0.00	0.59	7.70	7.70	1505.	195.	0.00	1.03	51
2293	30	7.70	7.70	573.	175.	0.00	0.72	7.70	7.70	1267.	179.	0.00	0.91	45
2294	30	7.70	7.70	739.	237.	0.00	0.96	7.70	7.70	1236.	177.	0.00	0.90	48
2295	30	7.70	7.70	976.	338.	0.00	1.36	7.70	7.70	525.	276.	0.00	1.03	69
2296	30	7.70	7.70	2002.	382.	0.00	1.78	7.70	7.70	900.	248.	0.00	1.04	90
2297	30	7.70	7.70	2060.	61.	0.11	0.77	7.70	7.70	1308.	44.	0.00	0.53	38
2298	30	7.70	7.70	0.	322.	0.00	1.04	7.70	7.70	1409.	217.	0.00	1.07	53
2302	30	7.70	7.70	0.	160.	0.00	0.52	7.70	7.70	1794.	-23.	0.14	0.47	27
2303	30	7.70	7.70	0.	155.	0.00	0.50	7.70	7.70	0.	13.	0.00	0.04	26
2304	30	7.70	7.70	1045.	150.	0.00	0.76	7.70	7.70	1520.	-7.	0.12	0.39	38
2305	30	7.70	7.70	1211.	147.	0.00	0.79	7.70	7.70	1918.	-4.	0.15	0.50	39
2306	30	7.70	7.70	1752.	161.	0.00	0.98	7.70	7.70	1578.	6.	0.11	0.43	48
2307	30	7.70	7.70	2145.	146.	0.00	1.04	7.70	7.70	1854.	4.	0.14	0.50	51
2308	30	7.70	7.70	1902.	146.	0.00	0.98	7.70	7.70	1872.	7.	0.13	0.51	48
2309	30	7.70	7.70	1869.	185.	0.00	1.09	7.70	7.70	1449.	6.	0.10	0.40	54
2310	30	7.70	7.70	1187.	141.	0.00	0.77	7.70	7.70	1898.	-4.	0.15	0.49	38
2311	30	7.70	7.70	1049.	143.	0.00	0.80	7.70	7.70	1501.	33.	0.03	0.51	40
2312	30	7.70	7.70	0.	153.	0.00	0.50	7.70	7.70	0.	15.	0.00	0.05	25
2313	30	7.70	7.70	0.	175.	0.00	0.57	7.70	7.70	1569.	71.	0.00	0.71	35
2314	30	7.70	7.70	0.	92.	0.00	0.30	7.70	7.70	2405.	8.	0.17	0.66	32
2315	30	7.70	7.70	0.	96.	0.00	0.31	7.70	7.70	3206.	1.	0.25	0.86	42
2316	30	7.70	7.70	1122.	81.	0.00	0.58	7.70	7.70	2275.	5.	0.17	0.61	30
2317	30	7.70	7.70	1384.	93.	0.00	0.66	7.70	7.70	3538.	8.	0.26	0.95	46
2318	30	7.70	7.70	1736.	86.	0.05	0.73	7.70	7.70	2759.	8.	0.20	0.75	36
2319	30	7.70	7.70	2440.	66.	0.14	0.85	7.70	7.70	3244.	10.	0.23	0.88	43
2320	30	7.70	7.70	2086.	89.	0.08	0.83	7.70	7.70	3255.	10.	0.24	0.88	43
2321	30	7.70	7.70	1826.	70.	0.00	0.74	7.70	7.70	2729.	11.	0.19	0.75	36
2322	30	7.70	7.70	1493.	76.	0.00	0.66	7.70	7.70	3546.	9.	0.26	0.96	47
2323	30	7.70	7.70	943.	115.	0.00	0.64	7.70	7.70	2154.	110.	0.07	0.92	45
2324	30	7.70	7.70	0.	97.	0.00	0.31	7.70	7.70	3024.	0.	0.24	0.79	39
2325	30	7.70	7.70	0.	252.	0.00	0.82	7.70	7.70	2310.	138.	0.00	1.10	55
2326	30	7.70	7.70	0.	54.	0.00	0.17	7.70	7.70	1935.	22.	0.14	0.58	28
2327	30	7.70	7.70	491.	65.	0.00	0.34	7.70	7.70	3620.	8.	0.27	0.97	47
2328	30	7.70	7.70	800.	50.	0.00	0.37	7.70	7.70	2148.	6.	0.16	0.58	28
2329	30	7.70	7.70	1372.	62.	0.00	0.56	7.70	7.70	3679.	11.	0.27	1.00	49
2330	30	7.70	7.70	1777.	17.	0.10	0.52	7.70	7.70	2858.	6.	0.21	0.77	37
2331	30	7.70	7.70	2288.	28.	0.12	0.69	7.70	7.70	3408.	14.	0.24	0.94	46
2332	30	7.70	7.70	2247.	19.	0.13	0.65	7.70	7.70	3439.	10.	0.25	0.93	45
2333	30	7.70	7.70	1119.	85.	0.00	0.57	7.70	7.70	2872.	16.	0.19	0.80	39
2334	30	7.70	7.70	1575.	37.	0.05	0.53	7.70	7.70	3702.	9.	0.27	1.00	49
2335	30	7.70	7.70	271.	157.	0.00	0.58	7.70	7.70	1927.	175.	0.00	1.17	58
2336	30	7.70	7.70	437.	66.	0.00	0.33	7.70	7.70	3539.	11.	0.26	0.96	47
2337	30	7.70	7.70	0.	243.	0.00	0.79	7.70	7.70	2177.	349.	0.00	1.72	86
2338	30	7.70	7.70	656.	82.	0.00	0.44	7.70	7.70	2399.	26.	0.13	0.71	35
2339	30	7.70	7.70	157.	37.	0.00	0.16	7.70	7.70	8.	155.	0.00	0.50	26
2340	30	7.70	7.70	1256.	37.	0.00	0.45	7.70	7.70	2529.	24.	0.15	0.74	36
2341	30	7.70	7.70	0.	128.	0.00	0.42	7.70	7.70	987.	21.	0.02	0.43	21
2342	30	7.70	7.70	1361.	21.	0.05	0.42	7.70	7.70	2166.	18.	0.13	0.63	30
2343	30	7.70	7.70	247.	117.	0.00	0.45	7.70	7.70	1638.	36.	0.05	0.54	26
2344	30	7.70	7.70	608.	36.	0.00	0.28	7.70	7.70	1590.	25.	0.12	0.50	24
2345	30	7.70	7.70	1095.	68.	0.00	0.51	7.70	7.70	2153.	13.	0.14	0.62	30
2346	30	7.70	7.70	359.	68.	0.00	0.32	7.70	7.70	1800.	-6.	0.14	0.47	23
2347	30	7.70	7.70	1078.	61.	0.00	0.48	7.70	7.70	2512.	14.	0.16	0.70	34
2348	30	7.70	7.70	678.	75.	0.00	0.42	7.70	7.70	2431.	22.	0.14	0.71	34
2349	30	7.70	7.70	709.	93.	0.00	0.51	7.70	7.70	1013.	50.	0.00	0.43	25
2350	30	7.70	7.70	643.	89.	0.00	0.47	7.70	7.70	1037.	44.	0.00	0.41	23
2351	30	7.70	7.70	3228.	60.	0.15	1.05	7.70	7.70	2969.	111.	0.03	1.14	55

2352	30	7.70	7.70	3130.	125.	0.04	1.22	7.70	7.70	3412.	96.	0.11	1.20	60
2353	30	7.70	7.70	0.	186.	0.00	0.60	7.70	7.70	643.	111.	0.00	0.53	31
2354	30	7.70	7.70	860.	185.	0.00	0.82	7.70	7.70	793.	157.	0.00	0.72	41
2355	30	7.70	7.70	662.	378.	0.00	1.41	7.70	7.70	258.	210.	0.03	0.75	71
2359	30	7.70	7.70	379.	333.	0.00	1.18	7.70	7.70	277.	171.	0.00	0.63	60
2360	30	7.70	7.70	301.	225.	0.00	0.81	7.70	7.70	158.	107.	0.00	0.39	41
2361	30	7.70	7.70	115.	328.	0.00	1.10	7.70	7.70	0.	119.	0.00	0.39	56
2376	30	7.70	7.70	0.	57.	0.00	0.18	7.70	7.70	0.	111.	0.00	0.36	18
2377	30	7.70	7.70	0.	89.	0.00	0.29	7.70	7.70	0.	107.	0.00	0.35	18
2379	30	7.70	7.70	0.	114.	0.00	0.37	7.70	7.70	0.	100.	0.00	0.32	19
2380	30	7.70	7.70	168.	94.	0.00	0.37	7.70	7.70	349.	20.	0.00	0.16	19
2381	30	7.70	7.70	0.	124.	0.00	0.40	7.70	7.70	0.	75.	0.00	0.24	21
2382	30	7.70	7.70	426.	139.	0.00	0.56	7.70	7.70	0.	82.	0.00	0.27	28
2383	30	7.70	7.70	431.	144.	0.00	0.58	7.70	7.70	0.	84.	0.00	0.27	29
2403	30	7.70	7.70	0.	123.	0.00	0.40	7.70	7.70	0.	38.	0.00	0.12	20
2404	30	7.70	7.70	0.	121.	0.00	0.39	7.70	7.70	0.	42.	0.00	0.14	20
2405	30	7.70	7.70	0.	244.	0.00	0.79	7.70	7.70	1249.	114.	0.00	0.70	41
2406	30	7.70	7.70	834.	265.	0.00	1.08	7.70	7.70	0.	178.	0.00	0.58	54
2408	30	7.70	7.70	237.	183.	0.00	0.70	7.70	7.70	0.	200.	0.00	0.65	36
2411	30	7.70	7.70	0.	213.	0.00	0.69	7.70	7.70	0.	183.	0.00	0.59	35
2412	30	7.70	7.70	0.	185.	0.00	0.60	7.70	7.70	396.	4.	0.02	0.23	31
2414	30	7.70	7.70	0.	123.	0.00	0.40	7.70	7.70	1637.	12.	0.13	0.47	23
2415	30	7.70	7.70	0.	161.	0.00	0.52	7.70	7.70	1542.	23.	0.07	0.48	27
2417	30	7.70	7.70	0.	118.	0.00	0.38	7.70	7.70	0.	86.	0.00	0.28	20
2418	30	7.70	7.70	0.	110.	0.00	0.36	7.70	7.70	0.	62.	0.00	0.20	18
2419	30	7.70	7.70	277.	91.	0.00	0.39	7.70	7.70	741.	41.	0.00	0.33	20
2420	30	7.70	7.70	83.	90.	0.00	0.34	7.70	7.70	64.	33.	0.00	0.14	17
2421	30	7.70	7.70	0.	134.	0.00	0.43	7.70	7.70	0.	53.	0.00	0.17	22
2427	30	7.70	7.70	0.	138.	0.00	0.45	7.70	7.70	0.	74.	0.00	0.24	23
2430	30	7.70	7.70	97.	246.	0.00	0.82	7.70	7.70	0.	193.	0.00	0.63	42
2432	30	7.70	7.70	437.	284.	0.00	1.04	7.70	7.70	452.	169.	0.00	0.67	53
2433	30	7.70	7.70	264.	318.	0.00	1.10	7.70	7.70	245.	87.	0.00	0.35	56
2434	30	7.70	7.70	446.	320.	0.00	1.16	7.70	7.70	609.	243.	0.00	0.95	59
2438	30	7.70	7.70	0.	275.	0.00	0.89	7.70	7.70	0.	160.	0.00	0.52	46
2463	30	7.70	7.70	272.	312.	0.00	1.09	7.70	7.70	264.	259.	0.00	0.91	55
2465	30	7.70	7.70	340.	239.	0.00	0.87	7.70	7.70	268.	246.	0.00	0.87	44
2467	30	7.70	7.70	0.	195.	0.00	0.63	7.70	7.70	395.	136.	0.00	0.54	32
2474	30	7.70	7.70	0.	187.	0.00	0.61	7.70	7.70	796.	95.	0.00	0.52	31
2475	30	7.70	7.70	3062.	104.	0.06	1.14	7.70	7.70	1432.	30.	0.07	0.47	56
2476	30	7.70	7.70	313.	80.	0.00	0.36	7.70	7.70	1239.	-13.	0.10	0.32	18
2477	30	7.70	7.70	1037.	78.	0.00	0.52	7.70	7.70	743.	22.	0.03	0.27	26
2478	30	7.70	7.70	1865.	173.	0.00	1.05	7.70	7.70	573.	7.	0.04	0.17	52
2479	30	7.70	7.70	1888.	189.	0.00	1.13	7.70	7.70	871.	2.	0.06	0.23	56
2480	30	7.70	7.70	791.	205.	0.00	0.87	7.70	7.70	841.	2.	0.06	0.23	44
2481	30	7.70	7.70	0.	240.	0.00	0.78	7.70	7.70	80.	5.	0.00	0.04	40
2482	30	7.70	7.70	0.	225.	0.00	0.73	7.70	7.70	170.	5.	0.00	0.06	37
2483	30	7.70	7.70	1105.	205.	0.00	0.95	7.70	7.70	216.	10.	0.01	0.09	48
2484	30	7.70	7.70	1875.	201.	0.00	1.15	7.70	7.70	579.	4.	0.03	0.16	57
2485	30	7.70	7.70	719.	189.	0.00	0.80	7.70	7.70	19.	20.	0.00	0.07	40
2486	30	7.70	7.70	1760.	197.	0.00	1.11	7.70	7.70	523.	7.	0.02	0.16	55
2487	30	7.70	10.27	0.	203.	0.00	0.66	7.70	7.70	56.	15.	0.00	0.06	29
2488	30	7.70	10.27	0.	208.	0.00	0.67	7.70	7.70	62.	10.	0.00	0.05	30
2489	30	7.70	7.70	634.	203.	0.00	0.82	7.70	7.70	29.	1.	0.00	0.01	41
2490	30	7.70	7.70	1816.	230.	0.00	1.23	7.70	7.70	604.	-1.	0.05	0.16	61
2491	30	7.70	7.70	1969.	272.	0.00	1.40	7.70	7.70	484.	11.	0.00	0.16	70
2492	30	7.70	7.70	1290.	251.	0.00	1.21	7.70	7.70	220.	23.	0.00	0.13	61
2493	30	7.70	7.70	0.	302.	0.00	0.98	7.70	7.70	300.	19.	0.00	0.14	50
2494	30	7.70	7.70	0.	303.	0.00	0.98	7.70	7.70	62.	40.	0.00	0.15	50
2495	30	7.70	7.70	1596.	73.	0.00	0.68	7.70	7.70	671.	74.	0.00	0.42	34
2496	30	7.70	7.70	2709.	103.	0.04	1.11	7.70	7.70	728.	48.	0.00	0.35	55
2497	30	7.70	7.70	1809.	213.	0.00	1.16	7.70	7.70	370.	18.	0.00	0.16	58
2498	30	7.70	7.70	1296.	188.	0.00	1.01	7.70	7.70	444.	36.	0.00	0.23	50
2499	30	7.70	7.70	0.	320.	0.00	1.04	7.70	7.70	0.	172.	0.00	0.56	53
2500	30	7.70	7.70	2718.	108.	0.01	1.06	7.70	7.70	0.	168.	0.00	0.55	52
2502	30	7.70	10.28	0.	435.	0.00	1.41	7.70	7.70	205.	175.	0.00	0.62	62
2503	30	7.70	7.70	489.	310.	0.00	1.14	7.70	7.70	0.	230.	0.00	0.75	58
2504	30	7.70	7.70	593.	293.	0.00	1.11	7.70	7.70	0.	217.	0.00	0.70	56
2505	30	7.70	7.70	593.	445.	0.00	1.60	7.70	7.70	35.	67.	0.00	0.23	81
2506	30	7.70	7.70	385.	364.	0.00	1.29	7.70	7.70	0.	68.	0.00	0.22	65
2507	30	7.70	7.70	38.	231.	0.00	0.76	7.70	7.70	0.	160.	0.00	0.52	39
2508	30	7.70	7.70	446.	356.	0.00	1.27	7.70	7.70	0.	212.	0.00	0.69	65
2519	30	7.70	7.70	994.	123.	0.00	0.75	7.70	7.70	2957.	140.	0.03	1.23	60
2520	30	7.70	7.70	2146.	22.	0.12	0.63	7.70	7.70	4295.	53.	0.26	1.30	63
2521	30	7.70	7.70	2555.	16.	0.17	0.72	7.70	7.70	4795.	17.	0.35	1.31	64
2522	30	7.70	7.70	2589.	8.	0.18	0.70	7.70	7.70	3958.	-3.	0.31	1.03	50
2523	30	7.70	7.70	1583.	9.	0.10	0.44	7.70	7.70	884.	6.	0.05	0.25	21
2524	30	7.70	7.70	730.	188.	0.00	0.86	7.70	7.70	2140.	53.	0.05	0.73	43
2525	30	7.70	7.70	2262.	78.	0.01	0.84	7.70	7.70	3659.	47.	0.21	1.11	54
2526	30	7.70	7.70	3499.	31.	0.22	1.02	7.70	7.70	4341.	26.	0.30	1.22	59
2527	30	7.70	7.70	3921.	16.	0.28	1.08	7.70	7.70	3657.	15.	0.26	1.00	53
2528	30	7.70	7.70	4007.	12.	0.29	1.09	7.70	7.70	1979.	6.	0.14	0.54	53
2529	30	7.70	7.70	4264.	25.	0.30	1.20	7.70	7.70	2110.	7.	0.15	0.58	58
2530	30	7.70	7.70	3955.	28.	0.27	1.13	7.70	7.70	3255.	19.	0.22	0.91	55
2531	30	7.70	7.70	3061.	37.	0.17	0.92	7.70	7.70	3361.	23.	0.22	0.95	46

2532	30	7.70	7.70	1097.	113.	0.00	0.68	7.70	7.70	2233.	2.	0.17	0.59	34
2533	30	7.70	7.70	374.	205.	0.00	0.76	7.70	7.70	172.	77.	0.00	0.30	38
2534	30	7.70	7.70	0.	200.	0.00	0.65	7.70	7.70	0.	93.	0.00	0.30	33
2535	30	7.70	7.70	0.	199.	0.00	0.65	7.70	7.70	0.	98.	0.00	0.32	33
2537	30	7.70	7.70	968.	63.	0.00	0.48	7.70	7.70	1535.	18.	0.07	0.46	24
2538	30	7.70	7.70	0.	175.	0.00	0.57	7.70	7.70	0.	80.	0.00	0.26	29
2540	30	7.70	7.70	2566.	39.	0.12	0.80	7.70	7.70	2388.	14.	0.15	0.67	39
2541	30	7.70	7.70	659.	9.	0.02	0.34	7.70	7.70	767.	6.	0.04	0.22	17
2542	30	7.70	7.70	0.	202.	0.00	0.66	7.70	7.70	48.	105.	0.00	0.37	34
2543	30	7.70	7.70	3198.	41.	0.17	0.97	7.70	7.70	1763.	6.	0.12	0.48	47
2544	30	7.70	7.70	1604.	55.	0.07	0.60	7.70	7.70	973.	12.	0.04	0.29	29
2545	30	7.70	7.70	0.	141.	0.00	0.46	7.70	7.70	85.	33.	0.00	0.15	23
2546	30	7.70	7.70	0.	217.	0.00	0.70	7.70	7.70	0.	60.	0.00	0.19	36
2547	30	7.70	7.70	0.	196.	0.00	0.64	7.70	7.70	0.	89.	0.00	0.29	33
2548	30	7.70	7.70	0.	202.	0.00	0.66	7.70	7.70	0.	84.	0.00	0.27	34
2549	30	7.70	7.70	0.	219.	0.00	0.71	7.70	7.70	0.	86.	0.00	0.28	36
2550	30	7.70	7.70	394.	224.	0.00	0.83	7.70	7.70	576.	52.	0.00	0.32	42

		SUPERIORE ORIZZONTALE						SUPERIORE VERTICALE						COEF.
GUSCI	spess	Af	Afc	Mom	Nor	epsC	epsF	Af	Afc	Mom	Nor	epsC	epsF	MAX %
2272	30	7.70	7.70	3540.	122.	0.10	1.33	7.70	7.70	3454.	60.	0.17	1.10	65
2273	30	7.70	7.70	0.	120.	0.00	0.39	7.70	7.70	1403.	79.	0.00	0.62	30
2274	30	7.70	7.70	0.	128.	0.00	0.42	7.70	7.70	0.	81.	0.00	0.26	21
2275	30	7.70	7.70	0.	157.	0.00	0.51	7.70	7.70	0.	67.	0.00	0.22	26
2276	30	7.70	7.70	372.	158.	0.00	0.61	7.70	7.70	2066.	6.	0.15	0.56	31
2277	30	7.70	7.70	3567.	163.	0.07	1.46	7.70	7.70	4226.	-20.	0.33	1.07	72
2278	30	7.70	7.70	861.	208.	0.00	0.91	7.70	7.70	836.	76.	0.00	0.47	46
2279	30	7.70	7.70	222.	200.	0.00	0.71	7.70	7.70	163.	132.	0.00	0.47	36
2280	30	7.70	7.70	0.	94.	0.00	0.30	7.70	7.70	0.	136.	0.00	0.44	23
2281	30	7.70	7.70	0.	99.	0.00	0.32	7.70	7.70	0.	108.	0.00	0.35	18
2282	30	7.70	7.70	598.	95.	0.00	0.46	7.70	7.70	267.	67.	0.00	0.29	23
2283	30	7.70	7.70	2341.	100.	0.00	0.94	7.70	7.70	488.	23.	0.00	0.20	46
2284	30	7.70	7.70	289.	98.	0.00	0.39	7.70	7.70	694.	23.	0.00	0.34	20
2285	30	7.70	7.70	290.	82.	0.00	0.34	7.70	7.70	163.	48.	0.00	0.20	17
2286	30	7.70	7.70	774.	38.	0.00	0.35	7.70	7.70	0.	39.	0.00	0.13	17
2287	30	7.70	7.70	3024.	144.	0.00	1.26	7.70	7.70	3110.	103.	0.07	1.16	62
2288	30	7.70	7.70	0.	132.	0.00	0.43	7.70	7.70	771.	91.	0.00	0.50	24
2289	30	7.70	7.70	0.	175.	0.00	0.57	7.70	7.70	330.	109.	0.00	0.44	29
2290	30	7.70	7.70	0.	250.	0.00	0.81	7.70	7.70	435.	96.	0.00	0.43	42
2291	30	7.70	7.70	504.	95.	0.00	0.44	7.70	7.70	1890.	170.	0.00	1.05	52
2292	30	7.70	7.70	3615.	146.	0.09	1.42	7.70	7.70	3937.	180.	0.14	1.62	80
2293	30	7.70	7.70	1713.	152.	0.00	0.94	7.70	7.70	768.	175.	0.00	0.77	46
2294	30	7.70	7.70	137.	237.	0.00	0.80	7.70	7.70	0.	177.	0.00	0.57	41
2295	30	7.70	7.70	0.	338.	0.00	1.10	7.70	7.70	0.	276.	0.00	0.89	56
2296	30	7.70	7.70	0.	385.	0.00	1.25	7.70	7.70	0.	248.	0.00	0.80	64
2297	30	7.70	7.70	750.	32.	0.00	0.40	7.70	7.70	860.	81.	0.00	0.49	24
2298	30	7.70	7.70	2401.	241.	0.00	1.55	7.70	7.70	0.	217.	0.00	0.70	78
2302	30	7.70	7.70	3886.	140.	0.13	1.47	7.70	7.70	4352.	-15.	0.34	1.11	72
2303	30	7.70	7.70	4444.	140.	0.22	1.61	7.70	7.70	4593.	13.	0.34	1.24	79
2304	30	7.70	7.70	0.	163.	0.00	0.53	7.70	7.70	1564.	-7.	0.12	0.40	27
2305	30	7.70	7.70	483.	137.	0.00	0.57	7.70	7.70	2149.	-5.	0.17	0.56	29
2306	30	7.70	7.70	0.	161.	0.00	0.52	7.70	7.70	221.	1.	0.01	0.06	27
2307	30	7.70	7.70	0.	173.	0.00	0.56	7.70	7.70	458.	0.	0.04	0.12	29
2308	30	7.70	7.70	0.	160.	0.00	0.52	7.70	7.70	279.	2.	0.02	0.08	27
2309	30	7.70	7.70	0.	185.	0.00	0.60	7.70	7.70	356.	9.	0.00	0.12	31
2310	30	7.70	7.70	424.	146.	0.00	0.59	7.70	7.70	2065.	-4.	0.16	0.54	29
2311	30	7.70	7.70	0.	188.	0.00	0.61	7.70	7.70	1516.	41.	0.01	0.53	31
2312	30	7.70	7.70	4314.	138.	0.20	1.57	7.70	7.70	4539.	11.	0.34	1.22	77
2313	30	7.70	7.70	3526.	147.	0.07	1.40	7.70	7.70	4136.	78.	0.22	1.38	69
2314	30	7.70	7.70	2069.	92.	0.00	0.84	7.70	7.70	0.	17.	0.00	0.05	41
2315	30	7.70	7.70	2713.	96.	0.03	1.02	7.70	7.70	439.	-7.	0.04	0.11	50
2316	30	7.70	7.70	102.	89.	0.00	0.32	7.70	7.70	0.	6.	0.00	0.02	16
2317	30	7.70	7.70	505.	89.	0.00	0.42	7.70	7.70	341.	7.	0.01	0.11	21
2318	30	7.70	7.70	0.	86.	0.00	0.28	7.70	7.70	0.	8.	0.00	0.02	14
2319	30	7.70	7.70	0.	66.	0.00	0.21	7.70	7.70	0.	10.	0.00	0.03	11
2320	30	7.70	7.70	0.	89.	0.00	0.29	7.70	7.70	0.	10.	0.00	0.03	15
2321	30	7.70	7.70	0.	97.	0.00	0.32	7.70	7.70	0.	25.	0.00	0.08	16
2322	30	7.70	7.70	602.	87.	0.00	0.44	7.70	7.70	232.	8.	0.00	0.09	22
2323	30	7.70	7.70	0.	153.	0.00	0.50	7.70	7.70	0.	110.	0.00	0.36	25
2324	30	7.70	7.70	2637.	97.	0.01	1.00	7.70	7.70	403.	-1.	0.03	0.10	49
2325	30	7.70	7.70	1657.	180.	0.00	1.02	7.70	7.70	0.	200.	0.00	0.65	50
2326	30	7.70	7.70	590.	45.	0.00	0.30	7.70	7.70	0.	28.	0.00	0.09	15
2327	30	7.70	7.70	653.	73.	0.00	0.41	7.70	7.70	0.	8.	0.00	0.03	20
2328	30	7.70	7.70	72.	43.	0.00	0.16	7.70	7.70	0.	6.	0.00	0.02	8
2329	30	7.70	7.70	0.	67.	0.00	0.22	7.70	7.70	0.	13.	0.00	0.04	11
2330	30	7.70	7.70	0.	33.	0.00	0.11	7.70	7.70	0.	6.	0.00	0.02	6
2331	30	7.70	7.70	0.	55.	0.00	0.18	7.70	7.70	0.	15.	0.00	0.05	9
2332	30	7.70	7.70	0.	19.	0.00	0.06	7.70	7.70	0.	10.	0.00	0.03	3
2333	30	7.70	7.70	0.	119.	0.00	0.38	7.70	7.70	0.	61.	0.00	0.20	20
2334	30	7.70	7.70	0.	50.	0.00	0.16	7.70	7.70	0.	12.	0.00	0.04	8
2335	30	7.70	7.70	60.	155.	0.00	0.52	7.70	7.70	0.	232.	0.00	0.75	38
2336	30	7.70	7.70	675.	71.	0.00	0.41	7.70	7.70	0.	11.	0.00	0.04	20
2337	30	7.70	7.70	266.	243.	0.00	0.86	7.70	7.70	0.	349.	0.00	1.13	58
2338	30	7.70	7.70	0.	82.	0.00	0.26	7.70	7.70	0.	49.	0.00	0.16	14

2339	30	7.70	7.70	987.	31.	0.00	0.36	7.70	7.70	1654.	147.	0.00	0.91	45
2340	30	7.70	7.70	0.	64.	0.00	0.21	7.70	7.70	0.	48.	0.00	0.16	11
2341	30	7.70	7.70	759.	101.	0.00	0.53	7.70	7.70	1241.	80.	0.00	0.58	28
2342	30	7.70	7.70	0.	62.	0.00	0.20	7.70	7.70	0.	42.	0.00	0.14	10
2343	30	7.70	7.70	338.	117.	0.00	0.47	7.70	7.70	564.	31.	0.00	0.25	23
2344	30	7.70	7.70	367.	58.	0.00	0.28	7.70	7.70	342.	13.	0.01	0.13	14
2345	30	7.70	7.70	0.	100.	0.00	0.33	7.70	7.70	0.	40.	0.00	0.13	17
2346	30	7.70	7.70	758.	71.	0.00	0.43	7.70	7.70	1071.	-3.	0.08	0.28	21
2347	30	7.70	7.70	0.	91.	0.00	0.29	7.70	7.70	0.	43.	0.00	0.14	15
2348	30	7.70	7.70	0.	75.	0.00	0.24	7.70	7.70	0.	47.	0.00	0.15	12
2349	30	7.70	7.70	0.	121.	0.00	0.39	7.70	7.70	849.	53.	0.00	0.39	20
2350	30	7.70	7.70	0.	112.	0.00	0.36	7.70	7.70	920.	47.	0.00	0.39	19
2351	30	7.70	7.70	1760.	87.	0.00	0.77	7.70	7.70	3104.	112.	0.05	1.17	57
2352	30	7.70	7.70	417.	197.	0.00	0.78	7.70	7.70	3393.	96.	0.11	1.20	59
2353	30	7.70	7.70	4503.	182.	0.23	1.77	7.70	7.70	3532.	108.	0.11	1.27	87
2354	30	7.70	7.70	1238.	216.	0.00	1.03	7.70	7.70	2866.	142.	0.00	1.21	59
2355	30	7.70	7.70	0.	378.	0.00	1.23	7.70	7.70	2251.	5.	0.16	0.83	63
2359	30	7.70	7.70	217.	333.	0.00	1.14	7.70	7.70	1881.	171.	0.00	1.05	58
2360	30	7.70	7.70	1210.	225.	0.00	1.05	7.70	7.70	1684.	107.	0.00	0.79	52
2361	30	7.70	7.70	630.	328.	0.00	1.24	7.70	7.70	1395.	119.	0.00	0.75	63
2376	30	7.70	7.70	1717.	57.	0.00	0.63	7.70	7.70	6278.	81.	0.47	1.90	93
2377	30	7.70	7.70	1657.	73.	0.00	0.67	7.70	7.70	5107.	103.	0.32	1.67	82
2379	30	7.70	7.70	1457.	106.	0.00	0.73	7.70	7.70	4186.	90.	0.21	1.38	68
2380	30	7.70	7.70	489.	98.	0.00	0.46	7.70	7.70	3095.	39.	0.17	0.94	46
2381	30	7.70	7.70	1275.	124.	0.00	0.74	7.70	7.70	3477.	69.	0.16	1.13	55
2382	30	7.70	7.70	0.	143.	0.00	0.47	7.70	7.70	3899.	82.	0.21	1.29	63
2383	30	7.70	7.70	0.	149.	0.00	0.49	7.70	7.70	4252.	68.	0.24	1.33	65
2403	30	7.70	7.70	637.	123.	0.00	0.57	7.70	7.70	4068.	38.	0.26	1.19	58
2404	30	7.70	7.70	516.	121.	0.00	0.53	7.70	7.70	3800.	42.	0.23	1.13	55
2405	30	7.70	7.70	4537.	189.	0.24	1.80	7.70	7.70	3481.	126.	0.09	1.32	89
2406	30	7.70	7.70	717.	272.	0.00	1.09	7.70	7.70	2750.	177.	0.09	1.30	64
2408	30	7.70	7.70	527.	196.	0.00	0.79	7.70	7.70	1858.	196.	0.00	1.12	56
2411	30	7.70	7.70	657.	213.	0.00	0.87	7.70	7.70	3262.	168.	0.01	1.40	69
2412	30	7.70	7.70	1016.	185.	0.00	0.87	7.70	7.70	3448.	71.	0.19	1.13	55
2414	30	7.70	7.70	1342.	123.	0.00	0.75	7.70	7.70	2936.	-1.	0.23	0.77	37
2415	30	7.70	7.70	1466.	161.	0.00	0.91	7.70	7.70	3392.	26.	0.22	0.97	47
2417	30	7.70	7.70	1468.	118.	0.00	0.77	7.70	7.70	4515.	77.	0.27	1.43	70
2418	30	7.70	7.70	1452.	110.	0.00	0.74	7.70	7.70	4442.	58.	0.27	1.35	66
2419	30	7.70	7.70	519.	121.	0.00	0.53	7.70	7.70	3210.	45.	0.17	0.99	48
2420	30	7.70	7.70	1210.	100.	0.00	0.64	7.70	7.70	3922.	43.	0.24	1.16	57
2421	30	7.70	7.70	756.	134.	0.00	0.63	7.70	7.70	4117.	53.	0.25	1.25	61
2427	30	7.70	7.70	1514.	138.	0.00	0.84	7.70	7.70	3656.	74.	0.17	1.20	58
2430	30	7.70	7.70	302.	246.	0.00	0.88	7.70	7.70	2607.	193.	0.00	1.31	65
2432	30	7.70	7.70	348.	284.	0.00	1.02	7.70	7.70	2977.	169.	0.00	1.33	65
2433	30	7.70	7.70	304.	318.	0.00	1.12	7.70	7.70	2102.	87.	0.00	0.83	57
2434	30	7.70	7.70	278.	320.	0.00	1.11	7.70	7.70	3373.	243.	0.01	1.68	83
2438	30	7.70	7.70	2082.	275.	0.00	1.45	7.70	7.70	3279.	160.	0.02	1.38	72
2463	30	7.70	7.70	726.	312.	0.00	1.21	7.70	7.70	3906.	259.	0.15	1.87	93
2465	30	7.70	7.70	1456.	239.	0.00	1.16	7.70	7.70	2698.	246.	0.00	1.51	75
2467	30	7.70	7.70	4202.	195.	0.17	1.73	7.70	7.70	3086.	136.	0.02	1.25	86
2474	30	7.70	7.70	2995.	187.	0.00	1.39	7.70	7.70	1437.	95.	0.00	0.68	69
2475	30	7.70	7.70	1497.	99.	0.00	0.72	7.70	7.70	1784.	4.	0.13	0.48	36
2476	30	7.70	7.70	4482.	100.	0.24	1.50	7.70	7.70	2357.	-3.	0.18	0.61	73
2477	30	7.70	7.70	307.	89.	0.00	0.37	7.70	7.70	927.	22.	0.05	0.31	18
2478	30	7.70	7.70	0.	173.	0.00	0.56	7.70	7.70	318.	7.	0.01	0.11	29
2479	30	7.70	7.70	0.	206.	0.00	0.67	7.70	7.70	332.	2.	0.02	0.09	34
2480	30	7.70	7.70	92.	218.	0.00	0.73	7.70	7.70	916.	12.	0.05	0.28	37
2481	30	7.70	7.70	2760.	216.	0.00	1.43	7.70	7.70	2223.	8.	0.15	0.61	71
2482	30	7.70	7.70	3566.	195.	0.05	1.60	7.70	7.70	2269.	16.	0.16	0.65	79
2483	30	7.70	7.70	449.	204.	0.00	0.78	7.70	7.70	1481.	15.	0.09	0.44	39
2484	30	7.70	7.70	0.	209.	0.00	0.68	7.70	7.70	386.	1.	0.03	0.11	35
2485	30	7.70	7.70	643.	198.	0.00	0.81	7.70	7.70	1187.	12.	0.06	0.35	41
2486	30	7.70	7.70	0.	212.	0.00	0.69	7.70	7.70	367.	5.	0.01	0.12	35
2487	30	10.27	7.70	5522.	189.	0.18	1.55	7.70	7.70	2091.	14.	0.13	0.59	77
2488	30	10.27	7.70	5348.	199.	0.15	1.54	7.70	7.70	1987.	7.	0.14	0.54	77
2489	30	7.70	7.70	732.	193.	0.00	0.82	7.70	7.70	1302.	4.	0.09	0.35	41
2490	30	7.70	7.70	0.	238.	0.00	0.77	7.70	7.70	417.	-1.	0.03	0.11	40
2491	30	7.70	7.70	0.	272.	0.00	0.88	7.70	7.70	410.	25.	0.00	0.19	45
2492	30	7.70	7.70	409.	280.	0.00	1.02	7.70	7.70	1436.	8.	0.09	0.40	51
2493	30	7.70	7.70	3132.	239.	0.00	1.70	7.70	7.70	1905.	24.	0.11	0.58	85
2494	30	7.70	7.70	2924.	248.	0.00	1.66	7.70	7.70	1944.	35.	0.08	0.62	83
2495	30	7.70	7.70	336.	151.	0.00	0.61	7.70	7.70	833.	64.	0.00	0.42	31
2496	30	7.70	7.70	0.	141.	0.00	0.46	7.70	7.70	289.	48.	0.00	0.23	23
2497	30	7.70	7.70	0.	213.	0.00	0.69	7.70	7.70	321.	18.	0.00	0.14	35
2498	30	7.70	7.70	0.	220.	0.00	0.71	7.70	7.70	925.	45.	0.00	0.39	37
2499	30	7.70	7.70	3120.	279.	0.00	1.74	7.70	7.70	3165.	172.	0.02	1.39	86
2500	30	7.70	7.70	1656.	102.	0.00	0.94	7.70	7.70	3486.	105.	0.11	1.37	67
2502	30	10.28	7.70	3719.	435.	0.00	1.81	7.70	7.70	1036.	175.	0.00	0.84	92
2503	30	7.70	7.70	0.	310.	0.00	1.01	7.70	7.70	1558.	230.	0.00	1.16	57
2504	30	7.70	7.70	394.	293.	0.00	1.06	7.70	7.70	1875.	217.	0.00	1.20	59
2505	30	7.70	7.70	0.	445.	0.00	1.44	7.70	7.70	2016.	67.	0.00	0.75	74
2506	30	7.70	7.70	0.	364.	0.00	1.18	7.70	7.70	1379.	68.	0.00	0.58	60
2507	30	7.70	7.70	488.	231.	0.00	0.88	7.70	7.70	1380.	160.	0.00	0.88	44
2508	30	7.70	7.70	0.	356.	0.00	1.15	7.70	7.70	1546.	212.	0.00	1.10	59

2519	30	7.70	7.70	510.	208.	0.00	0.81	7.70	7.70	904.	116.	0.00	0.61	41
2520	30	7.70	7.70	453.	40.	0.00	0.25	7.70	7.70	0.	56.	0.00	0.18	12
2521	30	7.70	7.70	1731.	12.	0.10	0.49	7.70	7.70	0.	24.	0.00	0.08	24
2522	30	7.70	7.70	2418.	8.	0.17	0.66	7.70	7.70	1949.	11.	0.13	0.55	32
2523	30	7.70	7.70	3074.	25.	0.19	0.88	7.70	7.70	4781.	16.	0.35	1.30	64
2524	30	7.70	7.70	0.	220.	0.00	0.71	7.70	7.70	545.	51.	0.00	0.31	36
2525	30	7.70	7.70	0.	143.	0.00	0.46	7.70	7.70	0.	47.	0.00	0.15	24
2526	30	7.70	7.70	744.	31.	0.00	0.30	7.70	7.70	0.	28.	0.00	0.09	14
2527	30	7.70	7.70	949.	22.	0.01	0.32	7.70	7.70	1326.	17.	0.06	0.40	20
2528	30	7.70	7.70	810.	10.	0.04	0.24	7.70	7.70	2188.	10.	0.15	0.61	29
2529	30	7.70	7.70	0.	28.	0.00	0.09	7.70	7.70	1032.	6.	0.06	0.29	14
2530	30	7.70	7.70	0.	34.	0.00	0.11	7.70	7.70	687.	19.	0.00	0.24	12
2531	30	7.70	7.70	0.	82.	0.00	0.26	7.70	7.70	0.	23.	0.00	0.07	14
2532	30	7.70	7.70	0.	175.	0.00	0.57	7.70	7.70	348.	19.	0.02	0.15	29
2533	30	7.70	7.70	932.	201.	0.00	0.90	7.70	7.70	1158.	91.	0.00	0.60	45
2534	30	7.70	7.70	1706.	200.	0.00	1.10	7.70	7.70	1338.	93.	0.00	0.65	54
2535	30	7.70	7.70	1850.	188.	0.00	1.09	7.70	7.70	1309.	98.	0.00	0.66	54
2537	30	7.70	7.70	1563.	144.	0.00	0.88	7.70	7.70	1086.	47.	0.00	0.44	43
2538	30	7.70	7.70	2143.	175.	0.00	1.13	7.70	7.70	1191.	80.	0.00	0.57	56
2540	30	7.70	7.70	0.	41.	0.00	0.13	7.70	7.70	81.	10.	0.00	0.05	7
2541	30	7.70	7.70	1965.	79.	0.01	0.80	7.70	7.70	1018.	49.	0.00	0.42	39
2542	30	7.70	7.70	2297.	126.	0.00	1.16	7.70	7.70	1140.	114.	0.00	0.67	57
2543	30	7.70	7.70	0.	55.	0.00	0.18	7.70	7.70	240.	6.	0.00	0.08	9
2544	30	7.70	7.70	146.	51.	0.00	0.20	7.70	7.70	0.	23.	0.00	0.08	10
2545	30	7.70	7.70	2020.	141.	0.00	0.99	7.70	7.70	864.	45.	0.00	0.37	48
2546	30	7.70	7.70	1409.	217.	0.00	1.07	7.70	7.70	951.	60.	0.00	0.44	53
2547	30	7.70	7.70	2476.	196.	0.00	1.29	7.70	7.70	2077.	89.	0.00	0.83	63
2548	30	7.70	7.70	3526.	202.	0.04	1.58	7.70	7.70	2462.	84.	0.02	0.91	78
2549	30	7.70	7.70	2918.	208.	0.00	1.44	7.70	7.70	1674.	86.	0.00	0.72	71
2550	30	7.70	7.70	1063.	205.	0.00	0.94	7.70	7.70	1142.	52.	0.00	0.48	47

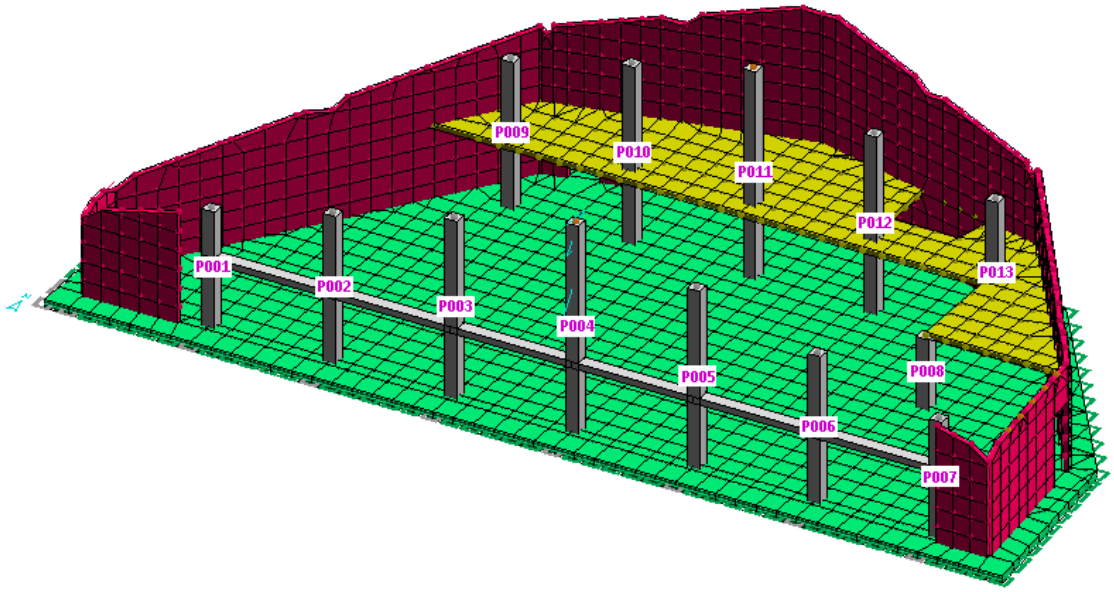
L'ARMATURA È OVUNQUE > DELLA QUANTITÀ RICHIESTA: IL PUNTO 2.3 DELLE NTC È VERIFICATO (Rd > Ed)

VERIFICHE A PUNZONAMENTO

		Norm [daN]	beta	sigT [daN/cm2]	Pcrit [cm]	Ro [%]	Acrit [cm2]	VRd,c [daN]	VEd [daN]	A staffe [cm2]	VRd,cs [daN]	
A	11	-38991.9	1.22	0.10	484.2	0.33	29207.0	58920.0	44671.0	0.0	0.0	SÌ
A	12	-22072.0	1.54	0.10	484.2	0.29	29207.0	57973.0	31068.0	0.0	0.0	SÌ
A	13	-14676.4	1.78	0.10	451.4	0.29	25720.9	54040.0	23585.0	0.0	0.0	SÌ
A	14	-24677.4	1.55	0.10	484.2	0.29	29207.0	57973.0	35384.0	0.0	0.0	SÌ
A	15	-14091.3	1.70	0.10	483.6	0.29	58378.0	57892.0	18170.0	0.0	0.0	SÌ
A	649	-14336.1	1.83	0.10	204.8	0.29	12370.2	24521.0	24848.0	5.0	34361.0	SÌ

VERIFICA PILASTRI:

Assonometria : 30, 30



VERIFICA PILASTRO IN CEMENTO ARMATO

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Nome pilastro      : P001  (ID=6)
Aste               : 635; 636
Metodo di verifica : stati limite - NTC18 (q=1.5 ; muphi=4.7) ->
Duttilita'         : non prevista (struttura non dissipativa).
                   : dettagli costruttivi del capito 7 attivi.
Unita' di misura   : cm; daN; daN/cm; daNcm; daN/cm2; deform. %; 1/r â€˚(permille)
Unita' particolari : fessure [Wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
Copriferri (assi)  : longitudinali= 3.5 ; staffe= 2.5
Imperfezioni       : M minimo = N * e0 ; M aggiunto = N * ei
Instabilita'       : snellezza limite [EC2 5.8.3.1]
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MATERIALI

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CLS    : C25/30; Rck=300; fck=249; fctk=17.91; fctm=25.58; Ecm=314472;
         gc=1.5; fcd=141.1; fbd=26.86; fctd=11.94; Ec2=0.2%; Ecu=0.35%
ACCIAIO: B450C; ftk=5175; fyk=4500; Es=2100000; gs=1.15; fyd=3913;
         ftd=4500; fud=4439.8; Eyd=0.1863%; Eud=6.75%
```

TENSIONI MASSIME IN ESERCIZIO

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GRUPPO : ordinario.
CLS    :  σc (rara)=149.4;  σc (quasi permanente)=112; fbd(esercizio)=26.86
ACCIAIO:  σf (rara)=3600; Coeff.Omogeneizzazione=15
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CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (statico)	2
3	SLU VENTOY	SLU (statico)	2
6	SLU con SISMAX PRINC	SLU (sismico)	16
7	SLU con SISMAY PRINC	SLU (sismico)	16
16	Rara	RARA	1
17	Rara VentoX	RARA	2
18	Rara VentoY	RARA	2
19	Frequente	FREQUENTE	1
20	Frequente VentoX	FREQUENTE	2
21	Frequente VentoY	FREQUENTE	2
22	Quasi Perm	QUASI PERMAN.	1
23	valanga	SLU (statico)	2

<-

SEZIONI UTILIZZATE

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 1) Rettangolare: base=60; alt.=60; Acls=3600; iy=17.32; iz=17.32
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DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	1.17	1.17	350.	320.	60.	60.	40.21	1.117	20ϕ16
2	1	2.	2.	.73	.73	219.	79.	0.	0.	40.21	1.117	20ϕ16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (incluse le imperfezioni):

Asta	Caso	NEd	MEyd		MEzd		E cls	σc	E acc	σf	VE
> 1	6-13	-22145.	-981482.	1.03	-2177233.	1.01	-.093	-100.7	.137	2887.2	SI
1	7- 4	-19512.	-684758.	1.	-68541.	1.	-.02	-27.	.02	425.4	SI
1	6-15	-19032.	-475988.	1.05	1584717.	1.01	-.058	-70.1	.087	1818.1	SI
> 2	6- 2	-16515.	435296.	1.03	-1345169.	1.01	-.05	-61.7	.074	1553.1	SI
2	6- 2	-15531.	211620.	1.	-666557.	1.	-.024	-31.7	.028	579.7	SI
2	2- 1	-69647.	190136.	999.	190136.	999.	-.019	-24.9	-.007	-139.3	SI

SNELLEZZA LIMITE Y [EC2 5.8.3.1]:

Asta	Caso	NEd	MEyd inf	MEyd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	1- 1	-77201.3	-139143.	-52145.9	350.	.7	1.27	1.33	.152	60.56	20.21	SI
2	2- 1	-72206.7	-23328.6	0.	219.	.7	1.27	1.7	.142	80.33	12.64	SI

SNELLEZZA LIMITE Z [EC2 5.8.3.1]:

Asta	Caso	NEd	MEzd inf	MEzd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	23- 1	-42798.	30263.9	73039.4	350.	.7	1.27	1.29	.084	78.91	20.21	SI
2	2- 1	-72206.7	-60616.7	0.	219.	.7	1.27	1.7	.142	80.33	12.64	SI

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	6-13	10625.3	92581.5	95016.5	92581.5	3.02	12.	1.9	SI
1 C	6-13	10625.3	26320.4	26320.4	77229.2	1.01	19.	2.5	SI
1 S	6-13	10625.3	92516.1	92516.1	93408.7	3.02	12.	1.85	SI
2 I	6- 3	6145.6	92516.1	92516.1	92946.6	3.02	12.	1.85	SI
2 C	6- 3	6145.6	92516.1	92516.1	92772.1	3.02	12.	1.85	SI
2 S	6- 3	6145.6	92516.1	92516.1	92597.5	3.02	12.	1.85	SI

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	7- 4	-5632.6	92516.1	92516.1	93779.5	3.02	12.	1.85	SI
1 C	7- 4	-5632.6	26320.4	26320.4	77074.5	1.01	19.	2.5	SI
1 S	7- 4	-5632.6	92516.1	92516.1	93221.1	3.02	12.	1.85	SI
2 I	7-12	-4307.5	92516.1	92516.1	92823.7	3.02	12.	1.85	SI
2 C	7-12	-4307.5	92516.1	92516.1	92649.2	3.02	12.	1.85	SI
2 S	7-12	-4307.5	92474.7	92516.1	92474.7	3.02	12.	1.85	SI

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	18- 1	-52896.2	-194530.4	-67653.5	-18.5	-113.3	SI
1 C	18- 1	-51321.2	-97973.8	7565.1	-14.7	-153.8	SI
1 S	18- 2	-49770.4	-75298.5	86105.	-15.5	-131.8	SI
2 I	18- 2	-46829.4	-87333.9	-55484.	-14.4	-126.6	SI
2 C	18- 2	-45844.8	-43667.	-27742.	-12.6	-144.1	SI
2 S	17- 1	-46996.6	0.	0.	-11.3	-169.3	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	21- 1	-32955.	-108665.2	-10574.1	-10.6	-83.6	SI
1 C	21- 1	-31380.	-67539.5	27815.6	-9.7	-85.	SI
1 S	21- 2	-29809.8	-41189.9	66869.5	-9.6	-75.6	SI
2 I	21- 2	-27581.4	-47308.1	-63264.	-9.1	-66.8	SI
2 C	21- 2	-26596.8	-23654.1	-31632.	-7.6	-79.5	SI
2 S	20- 1	-26039.5	0.	0.	-6.3	-93.8	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	22- 1	-20985.4	-83449.7	24106.4	-7.4	-43.9	SI
1 C	22- 1	-19410.4	-57341.3	39965.5	-6.8	-41.3	SI
1 S	22- 1	-17835.4	-31233.	55824.6	-6.2	-38.6	SI
2 I	22- 1	-16032.8	-34690.7	-67571.9	-6.1	-27.6	SI
2 C	22- 1	-15048.2	-17345.3	-33785.9	-4.8	-39.2	SI
2 S	22- 1	-14063.6	0.	0.	-3.4	-50.7	SI

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : **P002** (ID=8)
Aste : 9; 639

```
Metodo di verifica : stati limite - NTC18 (q=1.5 ; muphi=4.7) ->
Duttilita'         : non prevista (struttura non dissipativa).
                   : dettagli costruttivi del capito 7 attivi.
Unita' di misura   : cm; daN; daN/cm; daNcm; daN/cm2; deform. %; 1/r â€°(permille)
Unita' particolari : fessure [wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
Copriferri (assi)  : longitudinali= 3.5 ; staffe= 2.5
Imperfezioni       : M minimo = N * e0 ; M aggiunto = N * ei
Instabilita'       : snellezza limite [EC2 5.8.3.1]
```

MATERIALI

```
CLS    : C25/30; Rck=300; fck=249; fctk=17.91; fctm=25.58; Ecm=314472;
         gc=1.5; fcd=141.1; fbd=26.86; fctd=11.94; Ec2=0.2%; Ecu=0.35%
ACCIAIO: B450C; ftk=5175; fyk=4500; Es=2100000; gs=1.15; fyd=3913;
         ftd=4500; fud=4439.8; Eyd=0.1863%; Eud=6.75%
```

TENSIONI MASSIME IN ESERCIZIO

```
GRUPPO : ordinario.
CLS    :  σc (rara)=149.4;  σc (quasi permanente)=112; fbd(esercizio)=26.86
ACCIAIO:  σf (rara)=3600; Coeff.Omogeneizzazione=15
```

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (statico)	2
3	SLU VENTOY	SLU (statico)	2
6	SLU con SISMAX PRINC	SLU (sismico)	16
7	SLU con SISMAY PRINC	SLU (sismico)	16
16	Rara	RARA	1
17	Rara VentoX	RARA	2
18	Rara VentoY	RARA	2
19	Frequente	FREQUENTE	1
20	Frequente VentoX	FREQUENTE	2
21	Frequente VentoY	FREQUENTE	2
22	Quasi Perm	QUASI PERMAN.	1
23	valanga	SLU (statico)	2

<-

SEZIONI UTILIZZATE

1) Rettangolare: base=60; alt.=60; Acls=3600; iy=17.32; iz=17.32

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	1.17	1.17	350.	320.	60.	60.	40.21	1.117	20ϕ16
2	1	2.	2.	1.21	1.21	362.	222.	60.	60.	40.21	1.117	20ϕ16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (incluse le imperfezioni):

Asta	Caso	NEd	MEyd		MEzd		E cls	σc	E acc	σf	VE
> 1	6-13	-23156.	-616081.	1.05	-1928450.	1.01	-.073	-84.1	.107	2250.7	SI
1	7-12	-23090.	-597163.	1.	-61851.	1.	-.017	-23.6	.012	259.6	SI
1	6-15	-20067.	-277140.	1.09	1492826.	1.02	-.049	-60.6	.073	1532.6	SI
> 2	6-14	-17355.	240523.	1.1	1020731.	1.02	-.035	-44.6	.047	988.2	SI
2	6-14	-15724.	109791.	1.	499894.	1.	-.016	-21.9	.015	314.2	SI
2	2- 1	-78540.	251851.	999.	251851.	999.	-.022	-29.6	-.006	-134.2	SI

SNELLEZZA LIMITE Y [EC2 5.8.3.1]:

Asta	Caso	NEd	MEyd inf	MEyd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	2- 1	-94646.4	32483.8	11260.8	350.	.7	1.27	1.35	.186	55.86	20.21	SI
2	2- 1	-82781.	17907.9	0.	362.	.7	1.27	1.7	.163	75.03	20.9	SI

SNELLEZZA LIMITE Z [EC2 5.8.3.1]:

Asta	Caso	NEd	MEzd inf	MEzd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	7- 6	-26107.3	-35343.5	-29138.7	350.	.7	1.27	.876	.051	68.81	20.21	SI
2	2- 1	-82781.	-5372.3	0.	362.	.7	1.27	1.7	.163	75.03	20.9	SI

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	6-16	9746.9	92823.6	95016.5	92823.6	3.02	12.	1.9	SI
1 C	6-16	9746.9	26320.4	26320.4	77431.7	1.01	19.	2.5	SI
1 S	6-16	9746.9	92516.1	92516.1	93654.4	3.02	12.	1.85	SI
2 I	6-14	-2758.	92516.1	92516.1	93117.9	3.02	12.	1.85	SI
2 C	6-14	-2758.	26320.4	26320.4	76521.	1.01	19.	2.5	SI
2 S	6-14	-2758.	92516.1	92516.1	92539.6	3.02	12.	1.85	SI

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	7- 4	-6399.9	92986.3	95016.5	92986.3	3.02	12.	1.9	SI
1 C	7- 4	-6399.9	26320.4	26320.4	77567.8	1.01	19.	2.5	SI

1 S	7- 4	-6399.9	92516.1	92516.1	93819.5	3.02	12.	1.85	SI
2 I	7-11	-2035.7	92516.1	92516.1	93364.	3.02	12.	1.85	SI
2 C	7-11	-2035.7	26320.4	26320.4	76723.8	1.01	19.	2.5	SI
2 S	7-11	-2035.7	92516.1	92516.1	92785.7	3.02	12.	1.85	SI

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	18- 1	-62295.8	-257285.1	-47430.9	-21.7	-134.7	SI
1 C	18- 1	-60720.8	-46942.7	-8121.8	-15.8	-202.6	SI
1 S	18- 2	-59189.8	-169474.2	36203.8	-18.8	-152.7	SI
2 I	18- 1	-53734.2	179752.1	-1429.5	-16.9	-140.2	SI
2 C	18- 1	-52102.9	89876.	-714.7	-14.5	-161.	SI
2 S	17- 1	-52990.8	0.	0.	-12.7	-190.9	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	21- 1	-39510.5	-72908.1	-28767.6	-11.8	-112.4	SI
1 C	21- 1	-37935.5	-24820.3	-5169.2	-9.8	-127.9	SI
1 S	21- 2	-36369.3	-43307.3	19432.5	-10.1	-112.6	SI
2 I	21- 2	-32087.	-38837.7	1417.5	-8.6	-103.8	SI
2 C	21- 2	-30455.7	-19418.8	708.7	-7.8	-103.8	SI
2 S	20- 1	-29320.1	0.	0.	-7.	-105.6	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	22- 1	-25834.5	-29525.1	-16368.1	-7.2	-79.6	SI
1 C	22- 1	-24259.5	-21923.8	-3169.	-6.4	-80.	SI
1 S	22- 1	-22684.5	-14322.6	10030.1	-6.	-74.6	SI
2 I	22- 1	-19080.6	-10850.7	2079.7	-4.9	-64.9	SI
2 C	22- 1	-17449.4	-5425.3	1039.8	-4.3	-61.	SI
2 S	22- 1	-15818.1	0.	0.	-3.8	-57.	SI

VERIFICA PILASTRO IN CEMENTO ARMATO

```
Nome pilastro      : P003  (ID=9)
Aste               : 8; 641
Metodo di verifica : stati limite - NTC18 (q=1.5 ; muphi=4.7) ->
Duttilita'         : non prevista (struttura non dissipativa).
                   : dettagli costruttivi del capito 7 attivi.
Unita' di misura   : cm; daN; daN/cm; daNcm; daN/cm2; deform. %; 1/r â€°(permille)
Unita' particolari : fessure [Wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
Copriferri (assi)  : longitudinali= 3.5 ; staffe= 2.5
Imperfezioni       : M minimo = N * e0 ; M aggiunto = N * ei
Instabilita'       : snellezza limite [EC2 5.8.3.1]
```

MATERIALI

```
CLS    : C25/30; Rck=300; fck=249; fctk=17.91; fctm=25.58; Ecm=314472;
         gc=1.5; fcd=141.1; fbd=26.86; fctd=11.94; Ec2=0.2%; Ecu=0.35%
ACCIAIO: B450C; ftk=5175; fyk=4500; Es=2100000; gs=1.15; fyd=3913;
         ftd=4500; fud=4439.8; Eyd=0.1863%; Eud=6.75%
```

TENSIONI MASSIME IN ESERCIZIO

```
GRUPPO : ordinario.
CLS    :  σc (rara)=149.4;  σc (quasi permanente)=112; fbd(esercizio)=26.86
ACCIAIO:  σf (rara)=3600; Coeff.Omogeneizzazione=15
```

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (statico)	2
3	SLU VENTOY	SLU (statico)	2
6	SLU con SISMAX PRINC	SLU (sismico)	16
7	SLU con SISMAY PRINC	SLU (sismico)	16
16	Rara	RARA	1
17	Rara VentoX	RARA	2
18	Rara VentoY	RARA	2
19	Frequente	FREQUENTE	1
20	Frequente VentoX	FREQUENTE	2
21	Frequente VentoY	FREQUENTE	2
22	Quasi Perm	QUASI PERMAN.	1
23	valanga	SLU (statico)	2

<-

SEZIONI UTILIZZATE

1) Rettangolare: base=60; alt.=60; Acls=3600; iy=17.32; iz=17.32

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	1.17	1.17	350.	320.	60.	60.	40.21	1.117	20ϕ16
2	1	2.53	2.53	1.69	1.69	506.	366.	61.	61.	40.21	1.117	20ϕ16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (incluse le imperfezioni):

Asta	Caso	NEd	MEyd		MEzd		E cls	σc	E acc	σf	VE
> 1	7- 1	-28462.	-3022087.	1.01	637214.	1.05	-.106	-110.2	.168	3521.7	SI
1	7- 4	-25928.	-1436319.	1.	-76661.	1.	-.041	-51.9	.057	1190.4	SI
1	7-12	-24590.	-2023326.	1.01	418245.	1.07	-.069	-80.4	.104	2185.4	SI
> 2	7-12	-21008.	-2120303.	1.02	278546.	1.15	-.067	-78.3	.109	2296.8	SI
2	7-12	-18730.	-1042434.	1.	121556.	1.	-.031	-40.9	.043	903.4	SI
2	2- 1	-87835.	370372.	999.	370372.	999.	-.028	-36.7	-.005	-95.3	SI

SNELLEZZA LIMITE Y [EC2 5.8.3.1]:

Asta	Caso	NEd	MEyd inf	MEyd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	2- 1	-105752.5	35669.	40813.3	350.	.7	1.27	.826	.208	32.26	20.21	SI
2	2- 1	-93759.	54289.2	0.	506.	.7	1.27	1.7	.185	70.5	29.21	SI

SNELLEZZA LIMITE Z [EC2 5.8.3.1]:

Asta	Caso	NEd	MEzd inf	MEzd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	7- 6	-29495.9	-32240.5	-23300.	350.	.7	1.27	.977	.058	72.26	20.21	SI
2	2- 1	-93759.	2456.5	0.	506.	.7	1.27	1.7	.185	70.5	29.21	SI

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	6-16	9326.3	93540.5	95016.5	93540.5	3.02	12.	1.9	SI
1 C	6-16	9326.3	26320.4	26320.4	78031.5	1.01	19.	2.5	SI
1 S	6-16	9326.3	92990.4	95016.5	92990.4	3.02	12.	1.9	SI
2 I	6-16	-1665.1	92516.1	92516.1	93736.7	3.02	12.	1.85	SI
2 C	6-16	-1665.1	26320.4	26320.4	76936.5	1.01	19.	2.5	SI
2 S	6-16	-1665.1	92516.1	92516.1	92929.	3.02	12.	1.85	SI

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	7- 1	-9002.9	93684.8	95016.5	93684.8	3.02	12.	1.9	SI
1 C	7- 1	-9002.9	26320.4	26320.4	78152.2	1.01	19.	2.5	SI
1 S	7- 1	-9002.9	93134.7	95016.5	93134.7	3.02	12.	1.9	SI
2 I	7-12	-4117.9	92516.1	92516.1	93765.5	3.02	12.	1.85	SI
2 C	7-12	-4117.9	26320.4	26320.4	76960.3	1.01	19.	2.5	SI
2 S	7-12	-4117.9	92516.1	92516.1	92957.8	3.02	12.	1.85	SI

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	18- 1	-69648.5	-452324.2	-30332.1	-27.5	-108.7	SI
1 C	18- 1	-68073.5	-139393.6	-5147.5	-19.6	-202.7	SI
1 S	18- 2	-66580.3	-213119.9	25432.3	-21.3	-169.6	SI
2 I	18- 2	-60986.7	-202545.	4076.7	-19.2	-158.9	SI
2 C	18- 2	-58708.4	-101272.5	2038.3	-16.4	-181.1	SI
2 S	17- 1	-59253.5	0.	0.	-14.2	-213.5	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	21- 1	-44215.4	-116764.8	-17158.3	-13.6	-119.8	SI
1 C	21- 1	-42640.4	-48440.	-2375.8	-11.4	-138.7	SI
1 S	21- 2	-41081.8	-57446.5	13485.8	-11.4	-127.1	SI
2 I	21- 2	-36728.3	-53886.	1425.3	-10.1	-116.	SI
2 C	21- 2	-34450.	-26943.	712.7	-8.9	-116.	SI
2 S	20- 1	-32736.4	0.	0.	-7.9	-118.	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	22- 1	-28946.3	-32945.	-8071.	-7.9	-92.2	SI
1 C	22- 1	-27371.3	-25471.5	-529.	-7.2	-91.	SI
1 S	22- 1	-25796.3	-17998.1	7013.	-6.8	-85.6	SI
2 I	22- 1	-22186.2	-16382.5	147.2	-5.7	-75.1	SI
2 C	22- 1	-19907.9	-8191.2	73.6	-5.	-69.3	SI
2 S	22- 1	-17629.5	0.	0.	-4.2	-63.5	SI

```
Nome pilastro      : P004  (ID=10)
Aste               : 1; 643
Metodo di verifica : stati limite - NTC18 (q=1.5 ; muphi=4.7) ->
Duttilita'         : non prevista (struttura non dissipativa).
                   : dettagli costruttivi del capito 7 attivi.
Unita' di misura   : cm; daN; daN/cm; daNcm; daN/cm2; deform. %; 1/r â€°(permille)
Unita' particolari : fessure [wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
Copriferri (assi)  : longitudinali= 3.5 ; staffe= 2.5
Imperfezioni       : M minimo = N * e0 ; M aggiunto = N * ei
Instabilita'       : snellezza limite [EC2 5.8.3.1]
```

MATERIALI

```
CLS    : C25/30; Rck=300; fck=249; fctk=17.91; fctm=25.58; Ecm=314472;
         gc=1.5; fcd=141.1; fbd=26.86; fctd=11.94; Ec2=0.2%; Ecu=0.35%
ACCIAIO: B450C; ftk=5175; fyk=4500; Es=2100000; gs=1.15; fyd=3913;
         ftd=4500; fud=4439.8; Eyd=0.1863%; Eud=6.75%
```

TENSIONI MASSIME IN ESERCIZIO

```
GRUPPO : ordinario.
CLS    :  σc (rara)=149.4;  σc (quasi permanente)=112; fbd(esercizio)=26.86
ACCIAIO:  σf (rara)=3600; Coeff.Omogeneizzazione=15
```

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (statico)	2
3	SLU VENTOY	SLU (statico)	2
6	SLU con SISMAX PRINC	SLU (sismico)	16
7	SLU con SISMAY PRINC	SLU (sismico)	16
16	Rara	RARA	1
17	Rara VentoX	RARA	2
18	Rara VentoY	RARA	2
19	Frequente	FREQUENTE	1
20	Frequente VentoX	FREQUENTE	2
21	Frequente VentoY	FREQUENTE	2
22	Quasi Perm	QUASI PERMAN.	1
23	valanga	SLU (statico)	2

<-

SEZIONI UTILIZZATE

1) Rettangolare: base=60; alt.=60; Acls=3600; iy=17.32; iz=17.32

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	1.17	1.17	350.	320.	60.	60.	50.39	1.4	20ϕ16+4ϕ18
2	1	3.25	3.25	2.17	2.17	650.	510.	85.	85.	40.21	1.117	20ϕ16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (incluse le imperfezioni):

Asta	Caso	NEd	MEyd		MEzd		E cls	σc	E acc	σf	VE
> 1	7- 1	-26487.	3943104.	1.01	-638362.	1.05	-.117	-117.1	.182	3831.	SI
1	7- 1	-24912.	1332661.	1.	-99757.	1.	-.035	-44.9	.043	895.9	SI
1	7- 9	-24079.	2110759.	1.01	425400.	1.07	-.063	-75.	.089	1875.8	SI
> 2	7- 9	-20334.	2005500.	1.02	278811.	1.19	-.063	-75.2	.103	2169.4	SI
2	7- 9	-17409.	980722.	1.	117377.	1.	-.03	-38.7	.041	856.2	SI
2	2- 1	-84364.	456974.	999.	456974.	999.	-.03	-39.5	-.001	-29.3	SI

SNELLEZZA LIMITE Y [EC2 5.8.3.1]:

Asta	Caso	NEd	MEyd inf	MEyd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	2- 1	-104499.3	56851.1	64868.5	350.	.7	1.33	.824	.206	33.88	20.21	SI
2	2- 1	-91969.4	76283.7	0.	650.	.7	1.27	1.7	.181	71.18	37.53	SI

SNELLEZZA LIMITE Z [EC2 5.8.3.1]:

Asta	Caso	NEd	MEzd inf	MEzd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	2- 1	-104499.3	17409.	6287.7	350.	.7	1.33	1.34	.206	55.08	20.21	SI
2	2- 1	-91969.4	12922.5	0.	650.	.7	1.27	1.7	.181	71.18	37.53	SI

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	6- 1	9054.8	80013.9	80013.9	80583.4	2.01	12.	2.4	SI
1 C	6- 1	9054.8	26320.4	26320.4	78037.6	1.01	19.	2.5	SI
1 S	6- 1	9054.8	80013.9	80013.9	80109.5	2.01	12.	2.4	SI
2 I	6- 1	-1151.5	92516.1	92516.1	93741.4	3.02	12.	1.85	SI
2 C	6- 1	-1151.5	26320.4	26320.4	76845.9	1.01	19.	2.5	SI
2 S	6- 1	-1151.5	92516.1	92516.1	92704.5	3.02	12.	1.85	SI

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	7- 2	14769.2	80013.9	80013.9	80566.5	2.01	12.	2.4	SI
1 C	7- 2	14769.2	26320.4	26320.4	78021.2	1.01	19.	2.5	SI
1 S	7- 3	14755.9	79888.5	80013.9	79888.5	2.01	12.	2.4	SI
2 I	7-10	3020.9	92516.1	92516.1	93842.	3.02	12.	1.85	SI
2 C	7-10	3020.9	26320.4	26320.4	76928.9	1.01	19.	2.5	SI
2 S	7-10	3020.9	92516.1	92516.1	92805.	3.02	12.	1.85	SI

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	18- 1	-70363.2	571801.6	10496.8	-28.6	-82.3	SI
1 C	18- 1	-68788.2	178159.3	6509.8	-19.9	-188.	SI
1 S	18- 2	-67526.4	321846.3	-1865.	-22.5	-144.7	SI
2 I	18- 2	-61612.4	324486.1	6972.5	-22.2	-124.3	SI
2 C	18- 2	-58687.4	162243.	3486.2	-17.8	-162.6	SI
2 S	17- 1	-56909.6	0.	0.	-13.7	-205.1	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	21- 1	-45114.1	155841.2	4210.9	-13.9	-112.4	SI
1 C	21- 1	-43539.1	72382.3	3307.6	-11.7	-130.5	SI
1 S	21- 2	-42026.8	96389.3	1526.8	-11.8	-119.	SI
2 I	21- 2	-37518.	99670.6	5188.9	-11.3	-104.3	SI
2 C	21- 2	-34593.	49835.3	2594.4	-9.5	-109.2	SI
2 S	20- 1	-31897.4	0.	0.	-7.7	-114.9	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	22- 1	-29922.4	48158.8	-634.3	-8.	-90.6	SI
1 C	22- 1	-28347.4	42325.1	1183.8	-7.5	-86.6	SI
1 S	22- 1	-26772.4	36491.5	3001.9	-7.1	-82.2	SI
2 I	22- 1	-23109.3	39244.7	3819.9	-6.5	-70.6	SI
2 C	22- 1	-20184.3	19622.4	1910.	-5.3	-66.4	SI
2 S	22- 1	-17259.3	0.	0.	-4.1	-62.2	SI

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : **P005** (ID=11)
Aste : 5; 645
Metodo di verifica : stati limite - NTC18 (q=1.5 ; muphi=4.7) ->
Duttilita' : non prevista (struttura non dissipativa).
: dettagli costruttivi del capito 7 attivi.
Unita' di misura : cm; daN; daN/cm; daNcm; daN/cm2; deform. %; 1/r â€˚(permille)
Unita' particolari : fessure [Wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
Copriferri (assi) : longitudinali= 3.5 ; staffe= 2.5
Imperfezioni : M minimo = N * e0 ; M aggiunto = N * ei
Instabilita' : snellezza limite [EC2 5.8.3.1]

MATERIALI

CLS : C25/30; Rck=300; fck=249; fctk=17.91; fctm=25.58; Ecm=314472;
gc=1.5; fcd=141.1; fbd=26.86; fctd=11.94; Ec2=0.2%; Ecu=0.35%
ACCIAIO: B450C; ftk=5175; fyk=4500; Es=2100000; gs=1.15; fyd=3913;
ftd=4500; fud=4439.8; Eyd=0.1863%; Eud=6.75%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.
CLS : σc (rara)=149.4; σc (quasi permanente)=112; fbd(esercizio)=26.86
ACCIAIO: σf (rara)=3600; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (statico)	2
3	SLU VENTOY	SLU (statico)	2
6	SLU con SISMAX PRINC	SLU (sismico)	16
7	SLU con SISMAY PRINC	SLU (sismico)	16
16	Rara	RARA	1
17	Rara VentoX	RARA	2
18	Rara VentoY	RARA	2
19	Frequente	FREQUENTE	1
20	Frequente VentoX	FREQUENTE	2
21	Frequente VentoY	FREQUENTE	2
22	Quasi Perm	QUASI PERMAN.	1

```
  23|valanga              |SLU (statico) |  2|
<-
                                SEZIONI UTILIZZATE

 1) Rettangolare: base=60; alt.=60; Acls=3600; iy=17.32; iz=17.32

                    DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As Se|e0z |e0y |eiz |eiy |Lassi Lnet  Lcr.I Lcr.S| Af    % arm                |
 1| 1|2.  |2.  |1.17|1.17|350. |320. | 60. | 60. | 40.21|1.117|20ϕ16           |
 2| 1|2.53|2.53|1.69|1.69|506. |366. | 61. | 61. | 40.21|1.117|20ϕ16           |

                        VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (incluse le imperfezioni):
Asta Caso |  NEd    |  MEyd        |  MEzd        |E cls|  σc  |E acc|  σf  |VE|
> 1|  7- 1| -27224.| 3086072.|1.01| -652623.|1.05|-.109|-111.8| .174|3647.1|SI|
  1|  7- 1| -25649.| 1480851.|1.  |  -86337.|1.  |-.042| -53.6| .06 |1257.5|SI|
  1|  7- 9| -24433.| 2063189.|1.01|  458599.|1.07|-.071| -82.7| .108|2269.1|SI|
> 2|  7- 9| -20942.| 2157989.|1.02|  307963.|1.13|-.069| -80.2| .113|2366.9|SI|
  2|  7- 9| -18663.| 1061333.|1.  |  136321.|1.  |-.032| -42.1| .045| 937.5|SI|
  2|  2- 2| -82762.|  348978.|999.|  348978.|999.|-.026| -34.7|-.004| -89.9|SI|

SNELLEZZA LIMITE Y [EC2 5.8.3.1]:
Asta Caso |  NEd    |MEyd inf|MEyd sup| l0  |  A |  B |  C | nu  |L lim|Lambd|VE|
  1|  2- 1|-100624.6| 58910.7| 33780.2|350. |.7  |1.27|1.13| .198|45.1 |20.21|SI|
  2|  2- 2| -88685.4| 22323.8|     0. |506. |.7  |1.27|1.7 | .175|72.49|29.21|SI|

SNELLEZZA LIMITE Z [EC2 5.8.3.1]:
Asta Caso |  NEd    |MEzd inf|MEzd sup| l0  |  A |  B |  C | nu  |L lim|Lambd|VE|
  1|  7-14| -30120.2| 32122.8| 36418. |350. |.7  |1.27|.818| .059|59.85|20.21|SI|
  2|  2- 2| -88685.4| 39435.9|     0. |506. |.7  |1.27|1.7 | .175|72.49|29.21|SI|

TAGLIO Y:
Asta| Caso | VEd    | VRd      VRsd     VRcd   | Asw | s  |ctgT|VE|
 1 I|  6- 1|  9394.9| 93321.4| 95016.5| 93321.4| 3.02|12. |1.9 |SI|
 1 C|  6- 1|  9394.9| 26320.4| 26320.4| 77848.2| 1.01|19. |2.5 |SI|
 1 S|  6- 1|  9394.9| 92771.3| 95016.5| 92771.3| 3.02|12. |1.9 |SI|
 2 I|  6- 1| -1693.2| 92516.1| 92516.1| 93582. | 3.02|12. |1.85|SI|
 2 C|  6- 1| -1693.2| 26320.4| 26320.4| 76809. | 1.01|19. |2.5 |SI|
 2 S|  6- 1| -1693.2| 92516.1| 92516.1| 92774.2| 3.02|12. |1.85|SI|

TAGLIO Z:
Asta| Caso | VEd    | VRd      VRsd     VRcd   | Asw | s  |ctgT|VE|
 1 I|  7- 4|  9208.2| 93692.8| 95016.5| 93692.8| 3.02|12. |1.9 |SI|
 1 C|  7- 4|  9208.2| 26320.4| 26320.4| 78158.9| 1.01|19. |2.5 |SI|
 1 S|  7- 4|  9208.2| 93142.6| 95016.5| 93142.6| 3.02|12. |1.9 |SI|
 2 I|  7-10|  4194.6| 92516.1| 92516.1| 93895. | 3.02|12. |1.85|SI|
 2 C|  7-10|  4194.6| 26320.4| 26320.4| 77067. | 1.01|19. |2.5 |SI|
 2 S|  7-10|  4194.6| 92516.1| 92516.1| 93087.2| 3.02|12. |1.85|SI|

                    VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:
Asta| Caso |  NEd     |  MEyd    |  MEzd    |  σc  |  σf   |VE|
 1 I| 18- 1|  -69198.9|  466485. |  -12509.7| -27.3| -108.2|SI|
 1 C| 18- 1|  -67623.9|  149169.9|    9229.3| -19.8| -197. |SI|
 1 S| 18- 2|  -66112. |  215638.1|   27382.1| -21.3| -166.6|SI|
 2 I| 18- 2|  -60340.8|  204330.4|   27379.6| -19.6| -149.1|SI|
 2 C| 18- 2|  -58062.4|  102165.2|   13689.8| -16.5| -175.1|SI|
 2 S| 17- 2|  -55865.4|       0. |       0. | -13.4| -201.3|SI|

Frequenti:
Asta| Caso |  NEd     |  MEyd    |  MEzd    |  σc  |  σf   |VE|
 1 I| 21- 1|  -43955.6|  124943.8|  -10554.4| -13.6| -118.4|SI|
 1 C| 21- 1|  -42380.6|   54396.5|    4985.7| -11.5| -135.2|SI|
 1 S| 21- 2|  -40818.2|   60605.9|   19808.7| -11.6| -123.4|SI|
 2 I| 21- 2|  -36375.6|   57354.8|   17095.5| -10.4| -109.1|SI|
 2 C| 21- 2|  -34097.2|   28677.4|    8547.7|  -9. | -111.9|SI|
 2 S| 20- 2|  -31835.1|       0. |       0. |  -7.6| -114.7|SI|

Quasi permanenti:
Asta| Caso |  NEd     |  MEyd    |  MEzd    |  σc  |  σf   |VE|
 1 I| 22- 1|  -28803.3|   38908.1|  -10367.4|  -8. |  -89.3|SI|
 1 C| 22- 1|  -27228.3|   30072.8|    2223.6|  -7.3|  -88.6|SI|
 1 S| 22- 1|  -25653.3|   21237.5|   14814.5|  -7. |  -81.8|SI|
 2 I| 22- 1|  -22005.8|   20384.8|   10612.8|  -6. |  -70.2|SI|
 2 C| 22- 1|  -19727.5|   10192.4|    5306.4|  -5.1|  -66.5|SI|
 2 S| 22- 1|  -17449.1|       0. |       0. |  -4.2|  -62.9|SI|
```

VERIFICA PILASTRO IN CEMENTO ARMATO

```
Nome pilastro      : P006  (ID=12)
Aste               : 6; 647
Metodo di verifica : stati limite - NTC18 (q=1.5 ; muphi=4.7) ->
Duttilita'         : non prevista (struttura non dissipativa).
                   : dettagli costruttivi del capito 7 attivi.
Unita' di misura   : cm; daN; daN/cm; daNcm; daN/cm2; deform. %; 1/r â€˚(permille)
Unita' particolari : fessure [Wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
Copriferri (assi)  : longitudinali= 3.5 ; staffe= 2.5
Imperfezioni       : M minimo = N * e0 ; M aggiunto = N * ei
Instabilita'       : snellezza limite [EC2 5.8.3.1]
```

MATERIALI

```
CLS    : C25/30; Rck=300; fck=249; fctk=17.91; fctm=25.58; Ecm=314472;
         gc=1.5; fcd=141.1; fbd=26.86; fctd=11.94; Ec2=0.2%; Ecu=0.35%
ACCIAIO: B450C; ftk=5175; fyk=4500; Es=2100000; gs=1.15; fyd=3913;
         ftd=4500; fud=4439.8; Eyd=0.1863%; Eud=6.75%
```

TENSIONI MASSIME IN ESERCIZIO

```
GRUPPO : ordinario.
CLS    :  σc (rara)=149.4;  σc (quasi permanente)=112; fbd(esercizio)=26.86
ACCIAIO:  σf (rara)=3600; Coeff.Omogeneizzazione=15
```

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (statico)	2
3	SLU VENTOY	SLU (statico)	2
6	SLU con SISMAX PRINC	SLU (sismico)	16
7	SLU con SISMAY PRINC	SLU (sismico)	16
16	Rara	RARA	1
17	Rara VentoX	RARA	2
18	Rara VentoY	RARA	2
19	Frequente	FREQUENTE	1
20	Frequente VentoX	FREQUENTE	2
21	Frequente VentoY	FREQUENTE	2
22	Quasi Perm	QUASI PERMAN.	1
23	valanga	SLU (statico)	2

<-

SEZIONI UTILIZZATE

1) Rettangolare: base=60; alt.=60; Acls=3600; iy=17.32; iz=17.32

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	1.17	1.17	350.	320.	60.	60.	40.21	1.117	20ϕ16
2	1	2.	2.	1.21	1.21	362.	222.	60.	60.	40.21	1.117	20ϕ16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (incluse le imperfezioni):

Asta	Caso	NEd	MEyd		MEzd		E cls	σc	E acc	σf	VE
> 1	6- 1	-22389.	538517.	1.05	-2011063.	1.01	-.073	-83.8	.11	2315.	SI
1	7- 1	-22958.	598494.	1.	-68837.	1.	-.018	-23.9	.013	266.7	SI
1	6- 2	-19593.	-291401.	1.09	1539548.	1.02	-.051	-62.4	.077	1612.7	SI
> 2	6- 2	-17727.	-310559.	1.07	1018330.	1.02	-.037	-47.1	.049	1025.5	SI
2	6- 2	-16095.	-144585.	1.	498470.	1.	-.017	-23.1	.016	326.4	SI
2	2- 2	-77298.	247868.	999.	247868.	999.	-.022	-29.2	-.006	-132.1	SI

SNELLEZZA LIMITE Y [EC2 5.8.3.1]:

Asta	Caso	NEd	MEyd inf	MEyd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	2- 2	-92121.6	43015.6	15737.3	350.	.7	1.27	1.33	.181	55.82	20.21	SI
2	2- 2	-81539.1	8907.	0.	362.	.7	1.27	1.7	.161	75.6	20.9	SI

SNELLEZZA LIMITE Z [EC2 5.8.3.1]:

Asta	Caso	NEd	MEzd inf	MEzd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	3- 2	-92100.4	-79547.3	119700.5	350.	.7	1.27	2.37	.181	98.94	20.21	SI
2	2- 2	-81539.1	76345.9	0.	362.	.7	1.27	1.7	.161	75.6	20.9	SI

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	6- 1	10066.6	92624.2	95016.5	92624.2	3.02	12.	1.9	SI
1 C	6- 1	10066.6	26320.4	26320.4	77264.9	1.01	19.	2.5	SI
1 S	6- 1	10066.6	92516.1	92516.1	93452.	3.02	12.	1.85	SI
2 I	6- 1	-2771.7	92516.1	92516.1	93147.	3.02	12.	1.85	SI
2 C	6- 1	-2771.7	26320.4	26320.4	76545.	1.01	19.	2.5	SI

2 S	6- 1	-2771.7	92516.1	92516.1	92568.7	3.02	12.	1.85	SI

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	7- 1	5945.8	92998.6	95016.5	92998.6	3.02	12.	1.9	SI
1 C	7- 1	5945.8	26320.4	26320.4	77578.2	1.01	19.	2.5	SI
1 S	7- 1	5945.8	92516.1	92516.1	93832.	3.02	12.	1.85	SI
2 I	7-12	1973.6	92516.1	92516.1	93590.7	3.02	12.	1.85	SI
2 C	7-12	1973.6	26320.4	26320.4	76910.7	1.01	19.	2.5	SI
2 S	7-12	1973.6	92516.1	92516.1	93012.4	3.02	12.	1.85	SI

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	18- 1	-63287.5	278793.7	-61860.1	-22.8	-127.6	SI
1 C	18- 1	-61712.5	63885.7	11687.3	-16.5	-200.1	SI
1 S	18- 2	-60177.7	180682.9	80952.8	-20.3	-139.7	SI
2 I	18- 2	-55443.1	180388.8	52775.4	-18.5	-131.1	SI
2 C	18- 2	-53811.8	90194.4	26387.7	-15.5	-159.5	SI
2 S	17- 2	-52198.5	0.	0.	-12.5	-188.1	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	21- 1	-40174.8	84423.2	-40124.6	-12.4	-108.1	SI
1 C	21- 1	-38599.8	33660.6	4192.8	-10.1	-127.9	SI
1 S	21- 2	-37032.8	49239.	47653.8	-11.1	-104.9	SI
2 I	21- 2	-33101.8	47490.9	32628.8	-9.7	-95.7	SI
2 C	21- 2	-31470.5	23745.4	16314.4	-8.5	-101.6	SI
2 S	20- 2	-29842.9	0.	0.	-7.2	-107.5	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	22- 1	-26303.7	34549.7	-28072.2	-7.7	-76.3	SI
1 C	22- 1	-24728.7	25683.5	-473.9	-6.5	-81.4	SI
1 S	22- 1	-23153.7	16817.4	27124.4	-6.5	-70.5	SI
2 I	22- 1	-19700.2	15493.9	20254.3	-5.5	-60.4	SI
2 C	22- 1	-18068.9	7747.	10127.1	-4.7	-59.8	SI
2 S	22- 1	-16437.7	0.	0.	-3.9	-59.2	SI

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : **P007** (ID=7)
Aste : 637; 638
Metodo di verifica : stati limite - NTC18 (q=1.5 ; muphi=4.7) ->
Duttilita' : non prevista (struttura non dissipativa).
: dettagli costruttivi del capito 7 attivi.
Unita' di misura : cm; daN; daN/cm; daNcm; daN/cm2; deform. %; 1/r â€°(permille)
Unita' particolari : fessure [Wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
Copriferri (assi) : longitudinali= 3.5 ; staffe= 2.5
Imperfezioni : M minimo = N * e0 ; M aggiunto = N * ei
Instabilita' : snellezza limite [EC2 5.8.3.1]

MATERIALI

CLS : C25/30; Rck=300; fck=249; fctk=17.91; fctm=25.58; Ecm=314472;
gc=1.5; fcd=141.1; fbd=26.86; fctd=11.94; Ec2=0.2%; Ecu=0.35%
ACCIAIO: B450C; ftk=5175; fyk=4500; Es=2100000; gs=1.15; fyd=3913;
ftd=4500; fud=4439.8; Eyd=0.1863%; Eud=6.75%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.
CLS : σc (rara)=149.4; σc (quasi permanente)=112; fbd(esercizio)=26.86
ACCIAIO: σf (rara)=3600; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (statico)	2
3	SLU VENTOY	SLU (statico)	2
6	SLU con SISMAX PRINC	SLU (sismico)	16
7	SLU con SISMAY PRINC	SLU (sismico)	16
16	Rara	RARA	1
17	Rara VentoX	RARA	2
18	Rara VentoY	RARA	2
19	Frequente	FREQUENTE	1

```
  20|Frequente VentoX     |FREQUENTE     |  2|
  21|Frequente VentoY     |FREQUENTE     |  2|
  22|Quasi Perm           |QUASI PERMAN. |  1|
  23|valanga              |SLU (statico) |  2|
<-
```

SEZIONI UTILIZZATE

1) Rettangolare: base=60; alt.=60; Acls=3600; iy=17.32; iz=17.32

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

```
As Se|e0z |e0y |eiz |eiy |Lassi Lnet  Lcr.I Lcr.S| Af    % arm                |
 1| 1|2.  |2.  |1.17|1.17|350. |320. | 60. | 60. | 40.21|1.117|20ϕ16           |
 2| 1|2.  |2.  | .73| .73|219. | 79. |  0. |  0. | 40.21|1.117|20ϕ16           |
```

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (incluse le imperfezioni):

```
Asta Caso |  NEd    |  MEyd        |  MEzd        |E cls|  σc  |E acc|  σf  |VE|
> 1|  6-13| -12514.|  453867.|1.03| 2234588.|1.01|-.076| -86.5| .133|2787.7|SI|
  1|  6-15| -10977.|  150802.|1.  |  389071.|1.  |-.014| -19.7| .015| 312.3|SI|
  1|  6-16|  -9205.|  346710.|1.03|-1470720.|1.01|-.05 | -62.1| .087|1833.2|SI|
> 2|  6-16|  -9689.|  331195.|1.02|-1302620.|1.01|-.045| -56.6| .076|1599. |SI|
  2|  6-16|  -8704.|  162061.|1.  | -647774.|1.  |-.022| -29.4| .033| 688.2|SI|
  2|  2- 2| -47115.|  128625.|999.|  128625.|999.|-.012| -16.9|-.004| -93.9|SI|
```

SNELLEZZA LIMITE Y [EC2 5.8.3.1]:

```
Asta Caso |  NEd    |MEyd inf|MEyd sup| l0  |  A |  B |  C | nu  |L lim|Lambd|VE|
  1|  1- 1| -57405.8|  5375. |  2868. |350. |.7  |1.27|1.17| .113|61.82|20.21|SI|
  2|  2- 2| -49675.4|  2965.3|     0. |219. |.7  |1.27|1.7 | .098|96.85|12.64|SI|
```

SNELLEZZA LIMITE Z [EC2 5.8.3.1]:

```
Asta Caso |  NEd    |MEzd inf|MEzd sup| l0  |  A |  B |  C | nu  |L lim|Lambd|VE|
  1|  7- 3| -18326.3|-64194.9|-62923.7|350. |.7  |1.27|.72 | .036|67.52|20.21|SI|
  2|  2- 2| -49675.4|-248239.|     0. |219. |.7  |1.27|1.7 | .098|96.85|12.64|SI|
```

TAGLIO Y:

```
Asta| Caso | VEd    | VRd      VRsd     VRcd   | Asw | s  |ctgT|VE|
 1 I|  6-16|-10702. | 92231.6| 92516.1| 92231.6| 3.02|12. |1.85|SI|
 1 C|  6-16|-10702. | 26320.4| 26320.4| 75798.6| 1.01|19. |2.5 |SI|
 1 S|  6-16|-10702. | 91673.2| 92516.1| 91673.2| 3.02|12. |1.85|SI|
 2 I|  6-16|  5921.1| 91759.1| 92516.1| 91759.1| 3.02|12. |1.85|SI|
 2 C|  6-16|  5921.1| 91584.5| 92516.1| 91584.5| 3.02|12. |1.85|SI|
 2 S|  6-16|  5921.1| 91410. | 92516.1| 91410. | 3.02|12. |1.85|SI|
```

TAGLIO Z:

```
Asta| Caso | VEd    | VRd      VRsd     VRcd   | Asw | s  |ctgT|VE|
 1 I|  7- 3|  5952.7| 92516.1| 92516.1| 93290.1| 3.02|12. |1.85|SI|
 1 C|  7- 3|  5952.7| 26320.4| 26320.4| 76671.2| 1.01|19. |2.5 |SI|
 1 S|  7- 3|  5952.7| 92516.1| 92516.1| 92731.7| 3.02|12. |1.85|SI|
 2 I|  7-15|  4873.3| 92266.5| 92516.1| 92266.5| 3.02|12. |1.85|SI|
 2 C|  7-15|  4873.3| 92092. | 92516.1| 92092. | 3.02|12. |1.85|SI|
 2 S|  7-15|  4873.3| 91917.4| 92516.1| 91917.4| 3.02|12. |1.85|SI|
```

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

```
Asta| Caso |  NEd     |  MEyd    |  MEzd    |  σc  |  σf   |VE|
 1 I| 18- 1|  -39559.1|   69619.2|   88002.9| -13. |  -96.1|SI|
 1 C| 17- 1|  -37921.1|   14696.6|   35910.7| -10.2| -121.7|SI|
 1 S| 18- 2|  -36340.9|   52976.6|  -18982.5| -10.3| -109.7|SI|
 2 I| 18- 2|  -33709.6|   63488.5| -171088.8| -13.3|  -52.3|SI|
 2 C| 18- 2|  -32725. |   31744.2|  -85544.4| -10.5|  -83.3|SI|
 2 S| 17- 2|  -31797.6|       0. |       0. |  -7.6| -114.6|SI|
```

Frequenti:

```
Asta| Caso |  NEd     |  MEyd    |  MEzd    |  σc  |  σf   |VE|
 1 I| 21- 1|  -25265.2|   37802.8|   92103.5| -9.  |  -52.8|SI|
 1 C| 20- 1|  -23677.6|   19551.3|   49190.3| -7.2|  -65.1|SI|
 1 S| 21- 2|  -22101.5|   19940.3|    5717. | -5.9|  -72.1|SI|
 2 I| 21- 2|  -20057.1|   23570.2| -129735.4| -8.2|  -27.1|SI|
 2 C| 21- 2|  -19072.5|   11785.1|  -64867.7| -6.3|  -46.1|SI|
 2 S| 20- 2|  -18099.3|       0. |       0. | -4.3|  -65.2|SI|
```

Quasi permanenti:

```
Asta| Caso |  NEd     |  MEyd    |  MEzd    |  σc  |  σf   |VE|
 1 I| 22- 1|  -16698.1|   35376.5|   92880.5| -6.9|  -22.4|SI|
 1 C| 22- 1|  -15123.1|   24545.4|   56716.2| -5.4|  -30.5|SI|
 1 S| 22- 1|  -13548.1|   13714.2|   20551.9| -4. |  -38.7|SI|
 2 I| 22- 1|  -11857.5|   14766.8| -104666.2| -5.5|   -7.5|SI|
 2 C| 22- 1|  -10872.9|    7383.4|  -52333.1| -3.9|  -21.6|SI|
 2 S| 22- 1|   -9888.3|       0. |       0. | -2.4|  -35.6|SI|
```

VERIFICA PILASTRO IN CEMENTO ARMATO

```
Nome pilastro      : P008  (ID=13)
Aste               : 649
Metodo di verifica : stati limite - NTC18 (q=1.5 ; muphi=4.7) ->
Duttilita'         : non prevista (struttura non dissipativa).
                   : dettagli costruttivi del capito 7 attivi.
Unita' di misura   : cm; daN; daN/cm; daNcm; daN/cm2; deform. %; 1/r â€°(permille)
Unita' particolari : fessure [Wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
Copriferri (assi)  : longitudinali= 3.5 ; staffe= 2.5
Imperfezioni       : M minimo = N * e0 ; M aggiunto = N * ei
Instabilita'       : snellezza limite [EC2 5.8.3.1]
```

MATERIALI

```
CLS    : C25/30; Rck=300; fck=249; fctk=17.91; fctm=25.58; Ecm=314472;
         gc=1.5; fcd=141.1; fbd=26.86; fctd=11.94; Ec2=0.2%; Ecu=0.35%
ACCIAIO: B450C; ftk=5175; fyk=4500; Es=2100000; gs=1.15; fyd=3913;
         ftd=4500; fud=4439.8; Eyd=0.1863%; Eud=6.75%
```

TENSIONI MASSIME IN ESERCIZIO

```
GRUPPO : ordinario.
CLS    :  σc (rara)=149.4;  σc (quasi permanente)=112; fbd(esercizio)=26.86
ACCIAIO:  σf (rara)=3600; Coeff.Omogeneizzazione=15
```

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (statico)	2
3	SLU VENTOY	SLU (statico)	2
6	SLU con SISMAX PRINC	SLU (sismico)	16
7	SLU con SISMAY PRINC	SLU (sismico)	16
16	Rara	RARA	1
17	Rara VentoX	RARA	2
18	Rara VentoY	RARA	2
19	Frequente	FREQUENTE	1
20	Frequente VentoX	FREQUENTE	2
21	Frequente VentoY	FREQUENTE	2
22	Quasi Perm	QUASI PERMAN.	1
23	valanga	SLU (statico)	2

<-

SEZIONI UTILIZZATE

1) Rettangolare: base=60; alt.=60; Acls=3600; iy=17.32; iz=17.32

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	1.17	1.17	350.	350.	60.	60.	40.21	1.117	20ϕ16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (incluse le imperfezioni):

Asta	Caso	NEd	MEyd	MEzd	E cls	σc	E acc	σf	VE
> 1	6-13	-14165.	-176667.	1398119.	-.043	-53.8	.071	1492.1	SI
1	6- 4	-7052.	85185.	-547133.	-.017	-22.8	.026	552.8	SI
1	6-16	-11495.	551901.	-726771.	-.036	-46.7	.049	1031.4	SI

SNELLEZZA LIMITE Y [EC2 5.8.3.1]:

Asta	Caso	NEd	MEyd inf	MEyd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	6- 1	-8147.	193026.3	189423.9	350.	.7	1.27	.719	.016	101.1	20.21	SI

SNELLEZZA LIMITE Z [EC2 5.8.3.1]:

Asta	Caso	NEd	MEzd inf	MEzd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	7- 7	-11214.1	-264671.	-244984.	350.	.7	1.27	.774	.022	92.86	20.21	SI

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	6-13	-6153.3	92516.1	92516.1	92552.5	3.02	12.	1.85	SI
1 C	6-13	-6153.3	26320.4	26320.4	76063.1	1.01	19.	2.5	SI
1 S	6-13	-6153.3	91994.1	92516.1	91994.1	3.02	12.	1.85	SI

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	7-16	-3743.7	92363.4	92516.1	92363.4	3.02	12.	1.85	SI
1 C	7-16	-3743.7	26320.4	26320.4	75907.2	1.01	19.	2.5	SI

1 S	7-16	-3743.7	91805.	92516.1	91805.	3.02	12.	1.85 | SI |

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	17- 2	-13543.3	-343791.8	59477.5	-14.7	155.5	SI
1 C	17- 1	-11724.8	110169.7	-193933.9	-10.7	75.9	SI
1 S	17- 2	-10393.3	540143.7	-387300.7	-35.8	687.5	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	20- 2	-12054.3	-213808.9	71649.9	-10.2	66.	SI
1 C	20- 1	-10430.6	107371.8	-144161.5	-8.8	54.2	SI
1 S	20- 2	-8904.3	423755.	-347964.	-29.8	560.3	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	22- 1	-11395.9	-143918.6	94569.5	-8.5	39.6	SI
1 C	22- 1	-9820.9	110019.4	-121125.2	-8.1	47.4	SI
1 S	22- 1	-8245.9	363957.4	-336819.9	-27.1	502.5	SI

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : **P009** (ID=1)
Aste : 15; 629
Metodo di verifica : stati limite - NTC18 (q=1.5 ; muphi=4.7) ->
Duttilita' : non prevista (struttura non dissipativa).
: dettagli costruttivi del capito 7 attivi.
Unita' di misura : cm; daN; daN/cm; daNcm; daN/cm2; deform. %; 1/r â€˚(permille)
Unita' particolari : fessure [wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
Copriferri (assi) : longitudinali= 3.5 ; staffe= 2.5
Imperfezioni : M minimo = N * e0 ; M aggiunto = N * ei
Instabilita' : snellezza limite [EC2 5.8.3.1]

MATERIALI

CLS : C25/30; Rck=300; fck=249; fctk=17.91; fctm=25.58; Ecm=314472;
gc=1.5; fcd=141.1; fbd=26.86; fctd=11.94; Ec2=0.2%; Ecu=0.35%
ACCIAIO: B450C; ftk=5175; fyk=4500; Es=2100000; gs=1.15; fyd=3913;
ftd=4500; fud=4439.8; Eyd=0.1863%; Eud=6.75%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.
CLS : σc (rara)=149.4; σc (quasi permanente)=112; fbd(esercizio)=26.86
ACCIAIO: σf (rara)=3600; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (statico)	2
3	SLU VENTOY	SLU (statico)	2
6	SLU con SISMAX PRINC	SLU (sismico)	16
7	SLU con SISMAY PRINC	SLU (sismico)	16
16	Rara	RARA	1
17	Rara VentoX	RARA	2
18	Rara VentoY	RARA	2
19	Frequente	FREQUENTE	1
20	Frequente VentoX	FREQUENTE	2
21	Frequente VentoY	FREQUENTE	2
22	Quasi Perm	QUASI PERMAN.	1
23	valanga	SLU (statico)	2

<-

SEZIONI UTILIZZATE

1) Rettangolare: base=60; alt.=60; Acls=3600; iy=17.32; iz=17.32

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	1.17	1.17	350.	320.	60.	60.	40.21	1.117	20ϕ16
2	1	2.	2.	1.21	1.21	362.	182.	60.	60.	48.25	1.34	24ϕ16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (incluse le imperfezioni):

Asta	Caso	NEd	MEyd		MEzd		E cls	σc	E acc	σf	VE
> 1	2- 1	-150187.	-475593.	6.05	-475593.	2.06	-.044	-55.4	-.012	-261.	SI
1	2- 1	-148140.	350745.	1.	185733.	1.	-.036	-46.6	-.018	-387.6	SI
1	6-12	-46169.	228751.	1.31	2028282.	1.03	-.063	-75.1	.074	1553.5	SI
> 2	6-14	-32625.	1092084.	1.04	-3509098.	1.01	-.126	-121.6	.179	3761.1	SI
2	6-14	-30994.	526358.	1.	-1734865.	1.	-.059	-70.7	.072	1502.1	SI
2	2- 1	-147343.	472481.	999.	472481.	999.	-.042	-52.9	-.012	-249.2	SI

SNELLEZZA LIMITE Y [EC2 5.8.3.1]:

Asta	Caso	NEd	MEyd inf	MEyd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	6-12	-49319.5	189522.1	174887.	350.	.7	1.27	.777	.097	44.44	20.21	SI
2	2- 1	-151584.6	-101313.	0.	362.	.7	1.32	1.7	.298	57.53	20.9	SI

SNELLEZZA LIMITE Z [EC2 5.8.3.1]:

Asta	Caso	NEd	MEzd inf	MEzd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	7- 9	-42705.4	204303.	267204.3	350.	.7	1.27	.935	.084	57.48	20.21	SI
2	2- 1	-151584.6	-1044935	0.	362.	.7	1.32	1.7	.298	57.53	20.9	SI

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	6-12	7228.3	95884.9	97516.9	95884.9	3.02	12.	1.95	SI
1 C	6-12	7228.3	26320.4	26320.4	81199.9	1.01	19.	2.5	SI
1 S	6-12	7228.3	95342.9	97516.9	95342.9	3.02	12.	1.95	SI
2 I	6-13	10158.9	80194.2	81680.9	80194.2	2.01	12.	2.45	SI
2 C	6-13	10158.9	26320.4	26320.4	78799.	1.01	19.	2.5	SI
2 S	6-13	10158.9	80013.9	80013.9	80884.9	2.01	12.	2.4	SI

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	7- 8	-4405.7	95234.2	97516.9	95234.2	3.02	12.	1.95	SI
1 C	7- 8	-4405.7	26320.4	26320.4	80647.3	1.01	19.	2.5	SI
1 S	7- 8	-4405.7	95016.5	95016.5	96116.9	3.02	12.	1.9	SI
2 I	7-16	6004.2	80120.	81680.9	80120.	2.01	12.	2.45	SI
2 C	7- 1	-6010.4	26320.4	26320.4	78974.9	1.01	19.	2.5	SI
2 S	7- 1	-6010.4	80013.9	80013.9	81066.	2.01	12.	2.4	SI

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	18- 2	-99390.2	-82837.8	-165176.	-29.4	-285.	SI
1 C	17- 1	-101612.7	241355.3	134369.7	-32.8	-255.4	SI
1 S	18- 2	-96240.2	603836.1	412954.5	-45.7	-47.1	SI
2 I	18- 1	-98321.7	-234791.	-763003.8	-44.4	-61.8	SI
2 C	18- 1	-96690.4	-117395.5	-381501.9	-33.3	-197.6	SI
2 S	17- 1	-99471.5	0.	0.	-23.3	-349.	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	20- 1	-65378.4	21561.8	-28760.3	-16.8	-220.7	SI
1 C	20- 1	-63803.4	150263.1	112810.1	-21.2	-152.4	SI
1 S	21- 2	-61468.9	295527.7	255384.5	-27.	-59.1	SI
2 I	21- 1	-57677.3	-58694.2	-495939.5	-25.4	-44.9	SI
2 C	21- 1	-56046.1	-29347.1	-247969.8	-19.	-117.9	SI
2 S	20- 1	-55297.3	0.	0.	-12.9	-194.	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	22- 1	-44121.6	64683.7	37223.1	-12.9	-128.9	SI
1 C	22- 1	-42546.6	101249.7	105452.6	-14.8	-92.4	SI
1 S	22- 1	-40971.6	137815.8	173682.1	-16.8	-55.8	SI
2 I	22- 1	-33296.	-1127.	-345088.1	-15.2	-18.6	SI
2 C	22- 1	-31664.7	-563.5	-172544.1	-11.1	-62.	SI
2 S	22- 1	-30033.5	0.	0.	-7.	-105.4	SI

VERIFICA PILASTRO IN CEMENTO ARMATO

```
Nome pilastro      : P010  (ID=2)
Aste               : 14; 630
Metodo di verifica : stati limite - NTC18 (q=1.5 ; muphi=4.7) ->
Duttilita'         : non prevista (struttura non dissipativa).
                   : dettagli costruttivi del capito 7 attivi.
Unita' di misura   : cm; daN; daN/cm; daNcm; daN/cm2; deform. %; 1/r â€˚(permille)
Unita' particolari : fessure [Wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
Copriferri (assi)  : longitudinali= 3.5 ; staffe= 2.5
Imperfezioni       : M minimo = N * e0 ; M aggiunto = N * ei
Instabilita'       : snellezza limite [EC2 5.8.3.1]
```

MATERIALI

```
CLS    : C25/30; Rck=300; fck=249; fctk=17.91; fctm=25.58; Ecm=314472;
         gc=1.5; fcd=141.1; fbd=26.86; fctd=11.94; Ec2=0.2%; Ecu=0.35%
ACCIAIO: B450C; ftk=5175; fyk=4500; Es=2100000; gs=1.15; fyd=3913;
         ftd=4500; fud=4439.8; Eyd=0.1863%; Eud=6.75%
```

TENSIONI MASSIME IN ESERCIZIO

```
GRUPPO : ordinario.
CLS    :  σc (rara)=149.4;  σc (quasi permanente)=112; fbd(esercizio)=26.86
ACCIAIO:  σf (rara)=3600; Coeff.Omogeneizzazione=15
```

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (statico)	2
3	SLU VENTOY	SLU (statico)	2
6	SLU con SISMAX PRINC	SLU (sismico)	16
7	SLU con SISMAY PRINC	SLU (sismico)	16
16	Rara	RARA	1
17	Rara VentoX	RARA	2
18	Rara VentoY	RARA	2
19	Frequente	FREQUENTE	1
20	Frequente VentoX	FREQUENTE	2
21	Frequente VentoY	FREQUENTE	2
22	Quasi Perm	QUASI PERMAN.	1
23	valanga	SLU (statico)	2

<-

SEZIONI UTILIZZATE

1) Rettangolare: base=60; alt.=60; Acls=3600; iy=17.32; iz=17.32

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	1.17	1.17	350.	320.	60.	60.	40.21	1.117	20ϕ16
2	1	2.53	2.53	1.69	1.69	506.	326.	60.	60.	48.25	1.34	24ϕ16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (incluse le imperfezioni):

Asta	Caso	NEd	MEyd	MEzd	E cls	σc	E acc	σf	VE
> 1	2- 1	-176249.	558123.|3.43	558123.|11.1	-.053	-64.5	-.015	-306.3	SI
1	2- 1	-174202.	194508.|1.	-11954.|1.	-.036	-45.8	-.029	-600.2	SI
1	7-10	-44990.	-1960501.|1.03	-481394.|1.12	-.069	-80.7	.079	1663.6	SI
> 2	7-13	-31167.	3727970.|1.01	889942.|1.06	-.125	-121.2	.185	3885.8	SI
2	7-13	-28888.	1837701.|1.	418687.|1.	-.058	-70.2	.075	1584.1	SI
2	2- 1	-136129.	574013.|999.	574013.|999.	-.043	-54.3	-.007	-146.	SI

SNELLEZZA LIMITE Y [EC2 5.8.3.1]:

Asta	Caso	NEd	MEyd inf	MEyd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	2- 1	-176249.4	162703.9	226312.3	350.	.7	1.27	.981	.347	29.67	20.21	SI
2	2- 1	-142053.2	227096.6	0.	506.	.7	1.32	1.7	.28	59.43	29.21	SI

SNELLEZZA LIMITE Z [EC2 5.8.3.1]:

Asta	Caso	NEd	MEzd inf	MEzd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	3- 2	-170111.7	-26126.3	-26704.8	350.	.7	1.27	.722	.335	22.22	20.21	SI
2	2- 1	-142053.2	-241087.	0.	506.	.7	1.32	1.7	.28	59.43	29.21	SI

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	6- 5	-3695.1	96188.2	97516.9	96188.2	3.02	12.	1.95	SI
1 C	6-12	3695.9	26320.4	26320.4	82842.9	1.01	19.	2.5	SI
1 S	6- 5	-3695.1	95646.2	97516.9	95646.2	3.02	12.	1.95	SI
2 I	6-13	4138.1	80013.9	80013.9	81175.6	2.01	12.	2.4	SI
2 C	6-13	4138.1	26320.4	26320.4	78510.	1.01	19.	2.5	SI
2 S	6-13	4138.1	80013.9	80013.9	80490.1	2.01	12.	2.4	SI

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	7- 9	6962.2	95883.8	97516.9	95883.8	3.02	12.	1.95	SI
1 C	7- 9	6962.2	26320.4	26320.4	81199.1	1.01	19.	2.5	SI
1 S	7- 9	6962.2	95341.9	97516.9	95341.9	3.02	12.	1.95	SI
2 I	7-16	7560.9	80013.9	80013.9	81015.2	2.01	12.	2.4	SI
2 C	7-16	7560.9	26320.4	26320.4	78354.3	1.01	19.	2.5	SI
2 S	7-16	7560.9	80013.9	80013.9	80329.7	2.01	12.	2.4	SI

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	17- 1	-121471.3	113792.	34848.7	-32.5	-393.9	SI
1 C	17- 1	-119896.3	125252.4	-7578.5	-31.8	-392.9	SI
1 S	18- 2	-114229.5	249787.2	-18253.3	-33.4	-332.6	SI
2 I	18- 2	-92132.7	348923.7	-179469.5	-32.9	-173.3	SI
2 C	18- 2	-89854.3	174461.8	-89734.8	-26.7	-240.3	SI
2 S	17- 1	-91909.9	0.	0.	-21.5	-322.4	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	20- 1	-79285.3	71428.8	8033.3	-20.8	-262.3	SI
1 C	20- 1	-77710.3	31504.7	-3855.9	-19.5	-269.6	SI
1 S	21- 1	-75082.5	-45300.	-15385.1	-19.4	-252.7	SI
2 I	21- 2	-54712.7	158240.2	-123631.	-18.8	-112.	SI
2 C	21- 2	-52434.3	79120.1	-61815.5	-15.3	-144.	SI
2 S	20- 1	-51022.8	0.	0.	-11.9	-179.	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	22- 1	-55823.	58338.5	1276.2	-14.7	-183.6	SI
1 C	22- 1	-54248.	-15382.2	1347.6	-13.4	-190.5	SI
1 S	22- 1	-52673.	-89102.8	1419.1	-14.7	-163.1	SI
2 I	22- 1	-32232.6	127297.6	-87247.5	-12.1	-52.2	SI
2 C	22- 1	-29954.2	63648.8	-43623.8	-9.3	-74.6	SI
2 S	22- 1	-27675.9	0.	0.	-6.5	-97.1	SI

VERIFICA PILASTRO IN CEMENTO ARMATO

```
Nome pilastro      : P011  (ID=3)
Aste               : 11; 631
Metodo di verifica : stati limite - NTC18 (q=1.5 ; muphi=4.7) ->
Duttilita'         : non prevista (struttura non dissipativa).
                   : dettagli costruttivi del capito 7 attivi.
Unita' di misura   : cm; daN; daN/cm; daNcm; daN/cm2; deform. %; 1/r â€°(permille)
Unita' particolari : fessure [wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
Copriferri (assi)  : longitudinali= 3.5 ; staffe= 2.5
Imperfezioni       : M minimo = N * e0 ; M aggiunto = N * ei
Instabilita'       : snellezza limite [EC2 5.8.3.1]
```

MATERIALI

```
CLS    : C25/30; Rck=300; fck=249; fctk=17.91; fctm=25.58; Ecm=314472;
         gc=1.5; fcd=141.1; fbd=26.86; fctd=11.94; Ec2=0.2%; Ecu=0.35%
ACCIAIO: B450C; ftk=5175; fyk=4500; Es=2100000; gs=1.15; fyd=3913;
         ftd=4500; fud=4439.8; Eyd=0.1863%; Eud=6.75%
```

TENSIONI MASSIME IN ESERCIZIO

```
GRUPPO : ordinario.
CLS    :  σc (rara)=149.4;  σc (quasi permanente)=112; fbd(esercizio)=26.86
ACCIAIO:  σf (rara)=3600; Coeff.Omogeneizzazione=15
```

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (statico)	2
3	SLU VENTOY	SLU (statico)	2
6	SLU con SISMAX PRINC	SLU (sismico)	16
7	SLU con SISMAY PRINC	SLU (sismico)	16
16	Rara	RARA	1
17	Rara VentoX	RARA	2
18	Rara VentoY	RARA	2
19	Frequente	FREQUENTE	1
20	Frequente VentoX	FREQUENTE	2
21	Frequente VentoY	FREQUENTE	2
22	Quasi Perm	QUASI PERMAN.	1
23	valanga	SLU (statico)	2

<-

SEZIONI UTILIZZATE

```
 1) Rettangolare: base=60; alt.=60; Acls=3600; iy=17.32; iz=17.32
```

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	1.17	1.17	350.	320.	60.	60.	40.21	1.117	20ϕ16

2	1	3.25	3.25	2.17	2.17	650.	470.	79.	79.	40.21	1.117	20ϕ16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (incluse le imperfezioni):

Asta	Caso	NEd	MEyd		MEzd		E cls	σc	E acc	σf	VE
> 1	2- 1	-167902.	-531691.	1.94	-531691.	7.57	-.05	-61.6	-.014	-291.8	SI
1	3- 1	-162631.	122317.	1.	38669.	1.	-.032	-42.1	-.027	-568.2	SI
1	7-11	-46956.	1379134.	1.04	-148694.	3.66	-.042	-52.8	.035	726.2	SI
> 2	7- 5	-30308.	-2136379.	1.03	-454059.	1.17	-.073	-84.6	.105	2211.8	SI
2	7- 5	-27383.	-1035356.	1.	-194196.	1.	-.033	-43.2	.035	745.3	SI
2	2- 1	-119865.	649270.	999.	649270.	999.	-.044	-55.3	-.002	-38.	SI

SNELLEZZA LIMITE Y [EC2 5.8.3.1]:

Asta	Caso	NEd	MEyd inf	MEyd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	6-13	-63496.7	293538.2	320477.	350.	.7	1.27	.784	.125	39.51	20.21	SI
2	2- 1	-127470.3	-81251.6	0.	650.	.7	1.27	1.7	.251	60.46	37.53	SI

SNELLEZZA LIMITE Z [EC2 5.8.3.1]:

Asta	Caso	NEd	MEzd inf	MEzd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	3- 2	-166217.2	11407.3	61395.4	350.	.7	1.27	1.51	.327	47.16	20.21	SI
2	2- 1	-127470.3	147930.	0.	650.	.7	1.27	1.7	.251	60.46	37.53	SI

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	7- 2	1658.9	96279.1	97516.9	96279.1	3.02	12.	1.95	SI
1 C	6- 5	1664.5	26320.4	26320.4	82910.3	1.01	19.	2.5	SI
1 S	7- 2	1658.9	95737.1	97516.9	95737.1	3.02	12.	1.95	SI
2 I	6-13	-1954.3	95016.5	95016.5	95548.8	3.02	12.	1.9	SI
2 C	6-13	-1954.3	26320.4	26320.4	79514.5	1.01	19.	2.5	SI
2 S	6-13	-1954.3	94527.1	95016.5	94527.1	3.02	12.	1.9	SI

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	7-11	-3745.7	96020.2	97516.9	96020.2	3.02	12.	1.95	SI
1 C	7-11	-3745.7	26320.4	26320.4	81314.9	1.01	19.	2.5	SI
1 S	7-11	-3745.7	95478.2	97516.9	95478.2	3.02	12.	1.95	SI
2 I	7- 7	-3193.1	94143.5	95016.5	94143.5	3.02	12.	1.9	SI
2 C	7- 8	-3215.3	26320.4	26320.4	79017.6	1.01	19.	2.5	SI
2 S	7- 7	-3193.1	93121.9	95016.5	93121.9	3.02	12.	1.9	SI

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	17- 1	-116137.6	-186408.4	-47075.5	-33.1	-349.7	SI
1 C	18- 1	-112413.7	94711.7	26359.1	-29.7	-369.4	SI
1 S	17- 1	-112987.6	261407.4	90173.3	-35.	-303.5	SI
2 I	18- 2	-85493.	-211841.8	108064.1	-27.7	-213.8	SI
2 C	18- 2	-82568.	-105920.9	54032.	-23.4	-250.4	SI
2 S	17- 1	-80905.1	0.	0.	-19.4	-291.5	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	20- 1	-78660.	-111023.3	-9438.	-21.6	-247.9	SI
1 C	21- 1	-76655.2	98099.	16015.8	-21.	-242.6	SI
1 S	20- 1	-75510.	284336.3	39545.5	-25.3	-176.6	SI
2 I	21- 2	-51112.4	-138645.5	69292.	-16.9	-122.9	SI
2 C	21- 2	-48187.4	-69322.7	34646.	-13.9	-143.	SI
2 S	20- 1	-45514.8	0.	0.	-10.9	-164.	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	22- 1	-57243.	-80055.7	-108.1	-15.5	-182.6	SI
1 C	22- 1	-55668.	116036.7	10085.7	-16.2	-163.4	SI
1 S	22- 1	-54093.	312129.2	20279.5	-20.4	-96.9	SI
2 I	22- 1	-30523.8	-140158.7	44260.1	-11.4	-55.6	SI
2 C	22- 1	-27598.8	-70079.3	22130.	-8.7	-72.3	SI
2 S	22- 1	-24673.8	0.	0.	-5.9	-88.9	SI

VERIFICA PILASTRO IN CEMENTO ARMATO

Nome pilastro : **P012** (ID=4)
Aste : 12; 632
Metodo di verifica : stati limite - NTC18 (q=1.5 ; muphi=4.7) ->
Duttilita' : non prevista (struttura non dissipativa).
: dettagli costruttivi del capito 7 attivi.
Unita' di misura : cm; daN; daN/cm; daNcm; daN/cm2; deform. %; 1/r â€°(permille)

Unita' particolari : fessure [wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
Copriferri (assi) : longitudinali= 3.5 ; staffe= 2.5
Imperfezioni : M minimo = N * e0 ; M aggiunto = N * ei
Instabilita' : snellezza limite [EC2 5.8.3.1]

MATERIALI

CLS : C25/30; Rck=300; fck=249; fctk=17.91; fctm=25.58; Ecm=314472;
gc=1.5; fcd=141.1; fbd=26.86; fctd=11.94; Ec2=0.2%; Ecu=0.35%
ACCIAIO: B450C; ftk=5175; fyk=4500; Es=2100000; gs=1.15; fyd=3913;
ftd=4500; fud=4439.8; Eyd=0.1863%; Eud=6.75%

TENSIONI MASSIME IN ESERCIZIO

GRUPPO : ordinario.
CLS : σc (rara)=149.4; σc (quasi permanente)=112; fbd(esercizio)=26.86
ACCIAIO: σf (rara)=3600; Coeff.Omogeneizzazione=15

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (statico)	2
3	SLU VENTOY	SLU (statico)	2
6	SLU con SISMAX PRINC	SLU (sismico)	16
7	SLU con SISMAY PRINC	SLU (sismico)	16
16	Rara	RARA	1
17	Rara VentoX	RARA	2
18	Rara VentoY	RARA	2
19	Frequente	FREQUENTE	1
20	Frequente VentoX	FREQUENTE	2
21	Frequente VentoY	FREQUENTE	2
22	Quasi Perm	QUASI PERMAN.	1
23	valanga	SLU (statico)	2

<-

SEZIONI UTILIZZATE

1) Rettangolare: base=60; alt.=60; Acls=3600; iy=17.32; iz=17.32

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	1.17	1.17	350.	320.	60.	60.	40.21	1.117	20ϕ16
2	1	2.53	2.53	1.69	1.69	506.	326.	60.	60.	50.39	1.4	20ϕ16+4ϕ18

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (incluse le imperfezioni):

Asta	Caso	NEd	MEyd	MEzd	E cls	σc	E acc	σf	VE
> 1	3- 2	-168359.	-533138.3.2	-533138.	12.5	-.05	-61.8	-.014	-292.6	SI
1	3- 2	-166312.	-236408.1.	84483.	1.	-.036	-46.3	-.025	-530.2	SI
1	7-11	-44947.	2174515.1.02	-296967.	1.21	-.07	-81.2	.086	1804.5	SI
> 2	7-13	-29829.	-3850936.1.01	-705957.	1.08	-.118	-117.1	.177	3714.5	SI
2	7-13	-27550.	-1900313.1.	-327823.	1.	-.055	-67.2	.073	1538.2	SI
2	2- 2	-129798.	547313.999.	547313.	999.	-.04	-51.3	-.007	-141.5	SI

SNELLEZZA LIMITE Y [EC2 5.8.3.1]:

Asta	Caso	NEd	MEyd inf	MEyd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	2- 2	-167973.8	-160552.	-100760.	350.	.7	1.27	1.07	.331	33.23	20.21	SI
2	2- 2	-135721.3	-22474.9	0.	506.	.7	1.33	1.7	.267	61.37	29.21	SI

SNELLEZZA LIMITE Z [EC2 5.8.3.1]:

Asta	Caso	NEd	MEzd inf	MEzd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	2- 2	-167973.8	23405.3	177658.5	350.	.7	1.27	1.57	.331	48.59	20.21	SI
2	2- 2	-135721.3	268064.9	0.	506.	.7	1.33	1.7	.267	61.37	29.21	SI

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	6- 6	3386.7	97516.9	97516.9	97762.8	3.02	12.	1.95	SI
1 C	6- 6	3386.7	26320.4	26320.4	82794.8	1.01	19.	2.5	SI
1 S	6- 6	3386.7	97220.8	97516.9	97220.8	3.02	12.	1.95	SI
2 I	6-13	-3771.1	80811.8	81680.9	80811.8	2.01	12.	2.45	SI
2 C	6-13	-3771.1	26320.4	26320.4	79313.	1.01	19.	2.5	SI
2 S	6-13	-3771.1	80136.2	81680.9	80136.2	2.01	12.	2.45	SI

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	7-12	-7301.2	96140.6	97516.9	96140.6	3.02	12.	1.95	SI
1 C	7-12	-7301.2	26320.4	26320.4	81417.1	1.01	19.	2.5	SI
1 S	7-12	-7301.2	95598.7	97516.9	95598.7	3.02	12.	1.95	SI
2 I	7-13	-7506.7	80013.9	80013.9	80907.	2.01	12.	2.4	SI
2 C	7-13	-7506.7	26320.4	26320.4	78249.1	1.01	19.	2.5	SI
2 S	7-13	-7506.7	80013.9	80013.9	80221.4	2.01	12.	2.4	SI

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	17- 1	-115482.1	-148206.5	-65210.4	-32.5	-353.2	SI
1 C	18- 2	-114497.9	-153655.7	58871.6	-32.2	-349.9	SI
1 S	18- 2	-112922.9	-190491.7	146154.1	-34.6	-307.7	SI
2 I	18- 2	-92008.6	-293130.1	157627.7	-30.9	-194.5	SI
2 C	18- 2	-89730.3	-146565.1	78813.9	-25.6	-249.6	SI
2 S	17- 2	-87694.1	0.	0.	-20.4	-305.5	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	20- 1	-77028.7	-99154.3	-23514.4	-21.2	-241.4	SI
1 C	21- 2	-75571.9	-37499.3	43759.4	-20.	-248.4	SI
1 S	21- 1	-73827.3	80967.9	103492.	-21.8	-211.7	SI
2 I	21- 2	-54674.5	-115048.1	88107.4	-17.	-133.7	SI
2 C	21- 2	-52396.2	-57524.1	44053.7	-14.3	-154.1	SI
2 S	20- 2	-50166.3	0.	0.	-11.7	-174.8	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	22- 1	-54412.	-76049.7	-10235.2	-15.	-170.6	SI
1 C	22- 1	-52837.	13155.5	34878.2	-13.8	-176.2	SI
1 S	22- 1	-51262.	102360.8	79991.6	-16.4	-131.	SI
2 I	22- 1	-32254.2	-90858.1	43852.5	-10.3	-74.7	SI
2 C	22- 1	-29975.9	-45429.	21926.2	-8.4	-85.6	SI
2 S	22- 1	-27697.5	0.	0.	-6.4	-96.5	SI

VERIFICA PILASTRO IN CEMENTO ARMATO

```
Nome pilastro      : P013  (ID=5)
Aste               : 13; 633
Metodo di verifica : stati limite - NTC18 (q=1.5 ; muphi=4.7) ->
Duttilita'         : non prevista (struttura non dissipativa).
                   : dettagli costruttivi del capito 7 attivi.
Unita' di misura   : cm; daN; daN/cm; daNcm; daN/cm2; deform. %; 1/r â€°(permille)
Unita' particolari : fessure [Wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
Copriferri (assi)  : longitudinali= 3.5 ; staffe= 2.5
Imperfezioni       : M minimo = N * e0 ; M aggiunto = N * ei
Instabilita'       : snellezza limite [EC2 5.8.3.1]
```

MATERIALI

```
CLS    : C25/30; Rck=300; fck=249; fctk=17.91; fctm=25.58; Ecm=314472;
         gc=1.5; fcd=141.1; fbd=26.86; fctd=11.94; Ec2=0.2%; Ecu=0.35%
ACCIAIO: B450C; ftk=5175; fyk=4500; Es=2100000; gs=1.15; fyd=3913;
         ftd=4500; fud=4439.8; Eyd=0.1863%; Eud=6.75%
```

TENSIONI MASSIME IN ESERCIZIO

```
GRUPPO : ordinario.
CLS    :  σc (rara)=149.4;  σc (quasi permanente)=112; fbd(esercizio)=26.86
ACCIAIO:  σf (rara)=3600; Coeff.Omogeneizzazione=15
```

CASI DI CARICO

Nome	Descrizione	Tipo	Ses
1	SLU	SLU (statico)	1
2	SLU VENTOX	SLU (statico)	2
3	SLU VENTOY	SLU (statico)	2
6	SLU con SISMAX PRINC	SLU (sismico)	16
7	SLU con SISMAY PRINC	SLU (sismico)	16
16	Rara	RARA	1
17	Rara VentoX	RARA	2
18	Rara VentoY	RARA	2
19	Frequente	FREQUENTE	1
20	Frequente VentoX	FREQUENTE	2
21	Frequente VentoY	FREQUENTE	2
22	Quasi Perm	QUASI PERMAN.	1
23	valanga	SLU (statico)	2

<-

SEZIONI UTILIZZATE

1) Rettangolare: base=60; alt.=60; Acls=3600; iy=17.32; iz=17.32

DESCRIZIONE ASTE E ARMATURA LONGITUDINALE

As	Se	e0z	e0y	eiz	eiy	Lassi	Lnet	Lcr.I	Lcr.S	Af	% arm	
1	1	2.	2.	1.17	1.17	350.	350.	60.	60.	40.21	1.117	20ϕ16
2	1	2.	2.	1.21	1.21	362.	182.	60.	60.	40.21	1.117	20ϕ16

VERIFICHE ALLO STATO LIMITE ULTIMO

PRESSO-FLESSIONE (incluse le imperfezioni):

Asta	Caso	NEd	MEyd	MEzd	E cls	σc	E acc	σf	VE
> 1	2- 1	-146854.	-465038.	-528908.	1.48	-.044	-55.5	-.011	-234.6	SI
1	3- 2	-144978.	-337229.	320948.	1.	-.038	-48.3	-.016	-335.8	SI
1	6- 6	-47974.	-482679.	1791206.	1.13	-.064	-75.7	.066	1392.2	SI
> 2	6- 4	-31989.	-910595.	-3194045.	1.04	-.122	-119.7	.184	3870.3	SI
2	6- 4	-30357.	-435998.	-1577723.	1.	-.056	-68.5	.071	1499.4	SI
2	2- 1	-140674.	451095.	451095.	999.	-.041	-52.2	-.011	-240.8	SI

SNELLEZZA LIMITE Y [EC2 5.8.3.1]:

Asta	Caso	NEd	MEyd inf	MEyd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	6- 5	-50062.8	66039.2	53303.7	350.	.7	1.27	.893	.099	50.67	20.21	SI
2	2- 1	-144915.5	347936.1	0.	362.	.7	1.27	1.7	.285	56.71	20.9	SI

SNELLEZZA LIMITE Z [EC2 5.8.3.1]:

Asta	Caso	NEd	MEzd inf	MEzd sup	l0	A	B	C	nu	L lim	Lambd	VE
1	2- 2	-146721.8	-292920.	966136.3	350.	.7	1.27	2.	.289	66.41	20.21	SI
2	2- 1	-144915.5	-149448.	0.	362.	.7	1.27	1.7	.285	56.71	20.9	SI

TAGLIO Y:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	6- 8	5979.	96161.1	97516.9	96161.1	3.02	12.	1.95	SI
1 C	6- 8	5979.	26320.4	26320.4	81434.5	1.01	19.	2.5	SI
1 S	6- 8	5979.	95619.1	97516.9	95619.1	3.02	12.	1.95	SI
2 I	6- 4	8704.7	94300.7	95016.5	94300.7	3.02	12.	1.9	SI
2 C	6- 4	8704.7	26320.4	26320.4	78659.3	1.01	19.	2.5	SI
2 S	6- 4	8704.7	93730.9	95016.5	93730.9	3.02	12.	1.9	SI

TAGLIO Z:

Asta	Caso	VEd	VRd	VRsd	VRcd	Asw	s	ctgT	VE
1 I	7- 5	3626.2	95657.	97516.9	95657.	3.02	12.	1.95	SI
1 C	7- 5	3626.2	26320.4	26320.4	81006.5	1.01	19.	2.5	SI
1 S	7- 5	3626.2	95115.1	97516.9	95115.1	3.02	12.	1.95	SI
2 I	7- 4	5957.7	94661.	95016.5	94661.	3.02	12.	1.9	SI
2 C	7- 4	5957.7	26320.4	26320.4	78960.7	1.01	19.	2.5	SI
2 S	7- 4	5957.7	94091.2	95016.5	94091.2	3.02	12.	1.9	SI

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

Rare:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	17- 1	-101216.	-37080.2	-223763.3	-30.1	-287.8	SI
1 C	18- 2	-99755.5	-234670.	226035.9	-34.2	-223.7	SI
1 S	18- 2	-98180.5	-438336.8	658778.2	-48.	-30.4	SI
2 I	18- 1	-98165.4	414912.6	-52396.2	-34.	-216.	SI
2 C	18- 1	-96534.2	207456.3	-26198.1	-28.4	-279.	SI
2 S	17- 1	-94998.	0.	0.	-22.8	-342.3	SI

Frequenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	20- 1	-66993.1	-65689.	-62123.3	-18.9	-203.7	SI
1 C	21- 2	-65441.	-154908.5	170538.8	-23.	-139.9	SI
1 S	21- 2	-63866.	-245343.4	399789.4	-29.7	-40.	SI
2 I	21- 1	-57444.9	196378.6	-58308.2	-19.5	-131.9	SI
2 C	21- 1	-55813.6	98189.3	-29154.1	-16.2	-163.6	SI
2 S	20- 1	-54201.4	0.	0.	-13.	-195.3	SI

Quasi permanenti:

Asta	Caso	NEd	MEyd	MEzd	σc	σf	VE
1 I	22- 1	-46854.7	-80244.2	28176.5	-13.7	-136.9	SI
1 C	22- 1	-45279.7	-118505.	138573.5	-16.6	-87.4	SI
1 S	22- 1	-43704.7	-156765.9	248970.4	-19.5	-37.9	SI
2 I	22- 1	-33006.7	115069.9	-60808.	-11.8	-67.1	SI
2 C	22- 1	-31375.4	57535.	-30404.	-9.5	-87.1	SI
2 S	22- 1	-29744.2	0.	0.	-7.1	-107.2	SI

VERIFICA ASTE IN LEGNO:

RELAZIONE SINTETICA

Lavoro : cerv01
Normativa : NTC18 - EC5 (UNI EN 1995-1-1)
Unita' di misura: cm; daN; daN/cm; daNcm; daN/cm2; daN/cm3.
Numero aste : 346

RESISTENZE LIMITE RAGGIUNTE (%) :

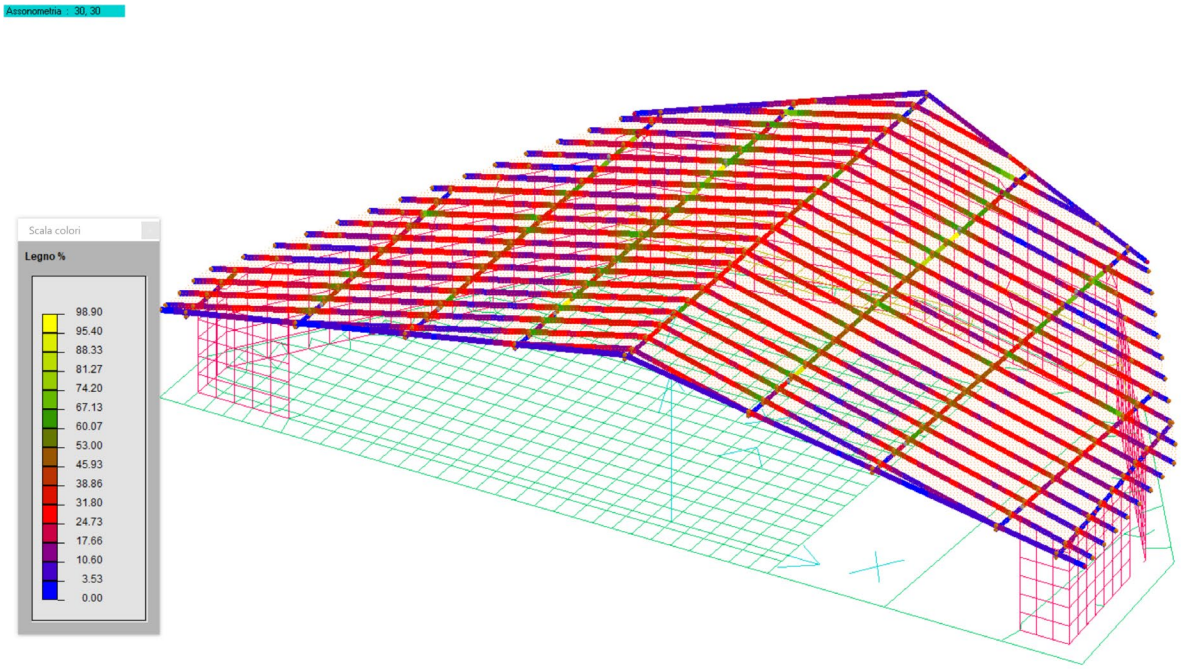
asta	sez	b	h	fsPfd	fsIfl	fsIto	fsTau	Caso	%	VE
41	2	60.	140.	0.000	0.000	0.000	0.000	1- 1	0	si
45	2	60.	140.	.029	0.000	.001	.018	1- 1	3	si
46	2	60.	140.	.006	0.000	0.000	.005	1- 1	1	si
47	2	60.	140.	.027	0.000	.001	.017	1- 1	3	si
48	2	60.	140.	.029	0.000	.001	.018	1- 1	3	si
49	2	60.	140.	.006	0.000	0.000	.006	1- 1	1	si
50	2	60.	140.	.020	0.000	0.000	.012	1- 1	2	si
53	2	60.	140.	0.000	0.000	0.000	0.000	1- 1	0	si
55	2	60.	140.	0.000	0.000	0.000	0.000	1- 1	0	si
57	2	60.	140.	0.000	0.000	0.000	0.000	1- 1	0	si
59	2	60.	140.	0.000	0.000	0.000	0.000	1- 1	0	si
61	2	60.	140.	.028	0.000	.001	.026	1- 1	3	si
72	6	60.	180.	.375	0.000	.125	.621	1- 1	62	si
74	6	60.	180.	.309	0.000	.090	.577	1- 1	58	si
76	2	60.	140.	0.000	0.000	0.000	0.000	1- 1	0	si
77	2	60.	140.	.020	0.000	0.000	.022	1- 1	2	si
78	6	60.	180.	.305	0.000	.088	.633	1- 1	63	si
80	6	60.	180.	.377	0.000	.125	.601	1- 1	60	si
106	4	22.	48.	.272	.284	.103	.284	1- 1	28	si
107	4	22.	48.	.435	.454	.235	.676	1- 1	68	si
108	4	22.	48.	.432	.451	.232	.670	1- 1	67	si
109	4	22.	48.	.424	.443	.225	.664	1- 1	66	si
110	4	22.	48.	.400	.419	.205	.651	1- 1	65	si
111	4	22.	48.	.379	.399	.189	.639	1- 1	64	si
112	4	22.	48.	.377	.385	.177	.629	1- 1	63	si
113	4	22.	48.	.382	.389	.169	.622	1- 1	62	si
114	4	22.	48.	.383	.391	.166	.617	1- 1	62	si
115	4	22.	48.	.381	.389	.170	.619	1- 1	62	si
116	4	22.	48.	.377	.385	.177	.627	1- 1	63	si
117	4	22.	48.	.380	.399	.188	.635	1- 1	64	si
118	4	22.	48.	.380	.399	.189	.654	1- 1	65	si
119	4	22.	48.	.443	.462	.241	.670	1- 1	67	si
120	4	22.	48.	.457	.476	.253	.653	1- 1	65	si
122	4	22.	48.	.381	.400	.190	.642	1- 1	64	si
125	4	22.	48.	.285	.292	.092	.231	1- 1	29	si
130	4	22.	48.	.273	.286	.104	.285	1- 1	29	si
131	4	22.	48.	.437	.457	.236	.677	1- 1	68	si
132	4	22.	48.	.441	.460	.239	.674	1- 1	67	si
133	4	22.	48.	.435	.454	.234	.670	1- 1	67	si
134	4	22.	48.	.410	.430	.213	.655	1- 1	66	si
135	4	22.	48.	.392	.411	.199	.646	1- 1	65	si
136	4	22.	48.	.376	.386	.180	.634	1- 1	63	si
138	4	22.	48.	.383	.391	.165	.616	1- 1	62	si
139	4	22.	48.	.383	.390	.168	.617	1- 1	62	si
140	4	22.	48.	.379	.387	.175	.625	1- 1	62	si
141	4	22.	48.	.375	.387	.180	.630	1- 1	63	si
142	4	22.	48.	.381	.400	.190	.655	1- 1	66	si
143	4	22.	48.	.443	.463	.241	.670	1- 1	67	si
144	4	22.	48.	.458	.476	.253	.653	1- 1	65	si
146	4	22.	48.	.480	.499	.275	.694	1- 1	69	si
149	4	22.	48.	.287	.294	.093	.234	1- 1	29	si
157	2	60.	140.	.003	0.000	0.000	.028	1- 1	3	si
158	2	60.	140.	.033	0.000	.001	.125	1- 1	12	si
159	2	60.	140.	.094	0.000	.009	.259	1- 1	26	si
160	2	60.	140.	.171	0.000	.029	.392	1- 1	39	si
161	2	60.	140.	0.000	0.000	0.000	0.000	1- 1	0	si
162	2	60.	140.	.137	0.000	.019	.660	1- 1	66	si
163	2	60.	140.	.145	0.000	.021	.525	1- 1	52	si
164	2	60.	140.	.238	0.000	.056	.388	1- 1	39	si
165	2	60.	140.	.297	0.000	.088	.249	1- 1	30	si
166	2	60.	140.	.324	0.000	.104	.110	1- 1	32	si
167	2	60.	140.	.324	0.000	.104	.029	1- 1	32	si
168	2	60.	140.	.317	0.000	.100	.169	1- 1	32	si
169	2	60.	140.	.276	0.000	.076	.307	1- 1	31	si
170	2	60.	140.	.203	0.000	.041	.445	1- 1	44	si
171	2	60.	140.	.097	0.000	.009	.585	1- 1	58	si
172	6	60.	180.	.129	0.000	.016	.558	1- 1	56	si
173	6	60.	180.	.219	0.000	.048	.657	1- 1	66	si
174	6	60.	180.	.228	0.000	.052	.463	1- 1	46	si
175	2	60.	140.	.268	0.000	.072	.247	1- 1	27	si
176	2	60.	140.	.159	0.000	.025	.176	23- 1	18	si

178	2	60.	140.	0.000	0.000	0.000	0.000	1- 1	0	si
179	2	60.	140.	.013	0.000	0.000	.055	1- 1	6	si
180	7	24.	60.	.062	0.000	.003	.028	1- 1	6	si
181	7	24.	60.	.156	0.000	.024	.053	1- 1	16	si
182	7	24.	60.	0.000	0.000	0.000	0.000	1- 1	0	si
184	7	24.	60.	0.000	0.000	0.000	0.000	1- 1	0	si
185	7	24.	60.	0.000	0.000	0.000	0.000	1- 1	0	si
186	7	24.	60.	0.000	0.000	0.000	0.000	1- 1	0	si
188	7	24.	60.	0.000	0.000	0.000	0.000	1- 1	0	si
189	7	24.	60.	0.000	0.000	0.000	0.000	1- 1	0	si
190	7	24.	60.	0.000	0.000	0.000	0.000	1- 1	0	si
191	7	24.	60.	.062	0.000	.003	.071	1- 1	7	si
192	7	24.	60.	.224	0.000	.042	.042	1- 1	22	si
193	7	24.	60.	0.000	0.000	0.000	0.000	1- 1	0	si
194	7	24.	60.	.176	0.000	.023	.103	1- 1	18	si
195	7	24.	60.	.228	0.000	.047	.525	1- 1	52	si
196	4	22.	48.	.071	.072	.009	.048	1- 1	7	si
197	4	22.	48.	.287	.291	.092	.146	1- 1	29	si
198	4	22.	48.	.132	.139	.032	.034	1- 1	14	si
199	4	22.	48.	.156	.055	.020	.111	1- 1	16	si
200	4	22.	48.	.042	.005	.002	.110	1- 1	11	si
203	4	22.	48.	.025	.003	.001	.076	1- 1	8	si
223	4	22.	48.	.475	.495	.271	.686	1- 1	69	si
224	4	22.	48.	.480	.481	.233	.602	1- 1	60	si
225	4	22.	48.	.158	.164	.033	.113	1- 1	16	si
226	4	22.	48.	.448	.468	.246	.670	1- 1	67	si
227	4	22.	48.	.348	.038	.116	.530	1- 1	53	si
228	4	22.	48.	.489	.508	.284	.692	1- 1	69	si
229	4	22.	48.	.508	.233	.246	.623	1- 1	62	si
230	4	22.	48.	.070	.072	.009	.048	1- 1	7	si
231	4	22.	48.	.287	.291	.092	.147	1- 1	29	si
232	4	22.	48.	.123	.129	.028	.091	1- 1	13	si
233	4	22.	48.	.202	.035	.036	.159	1- 1	20	si
236	4	22.	48.	.025	.003	.001	.076	1- 1	8	si
246	4	22.	48.	.477	.496	.271	.686	1- 1	69	si
247	4	22.	48.	.480	.481	.230	.602	1- 1	60	si
248	4	22.	48.	.204	.214	.052	.121	1- 1	21	si
249	4	22.	48.	.436	.455	.235	.664	1- 1	66	si
250	4	22.	48.	.400	.044	.153	.584	1- 1	58	si
251	4	22.	48.	.489	.508	.284	.692	1- 1	69	si
252	4	22.	48.	.507	.234	.245	.622	1- 1	62	si
253	4	22.	48.	.029	.003	.001	.074	1- 1	7	si
266	4	22.	48.	.381	.389	.169	.622	1- 1	62	si
268	4	22.	48.	.098	.011	.009	.241	1- 1	24	si
269	7	24.	60.	.225	0.000	.043	.617	1- 1	62	si
272	4	22.	48.	.440	.264	.191	.584	1- 1	58	si
273	2	60.	140.	.090	0.000	.007	.099	1- 1	10	si
274	4	22.	48.	.306	.201	.091	.265	1- 1	31	si
275	2	60.	140.	.049	0.000	.002	.032	1- 1	5	si
276	2	60.	140.	.120	0.000	.014	.353	1- 1	35	si
277	4	22.	48.	.431	.450	.229	.552	1- 1	55	si
278	4	22.	48.	.459	.315	.210	.446	1- 1	46	si
279	2	60.	140.	.113	0.000	.011	.116	1- 1	12	si
280	2	60.	140.	.223	0.000	.045	.303	1- 1	30	si
281	4	22.	48.	.460	.389	.208	.495	1- 1	50	si
282	4	22.	48.	.456	.358	.200	.505	1- 1	50	si
283	2	60.	140.	.174	0.000	.025	.964	1- 1	96	si
284	4	22.	48.	.467	.492	.275	.581	1- 1	58	si
285	2	60.	140.	.120	0.000	.012	.634	1- 1	63	si
286	4	22.	48.	.472	.483	.245	.665	1- 1	66	si
287	2	60.	140.	.119	0.000	.011	.434	1- 1	43	si
290	4	22.	48.	.137	.015	.017	.336	1- 1	34	si
291	7	24.	60.	0.000	0.000	0.000	0.000	1- 1	0	si
292	4	22.	48.	.150	.016	.021	.351	1- 1	35	si
293	7	24.	60.	.228	0.000	.046	.282	1- 1	28	si
296	4	22.	48.	.472	.474	.224	.648	1- 1	65	si
297	2	60.	140.	.226	0.000	.043	.221	1- 1	23	si
298	2	60.	140.	.277	0.000	.064	.394	1- 1	39	si
299	4	22.	48.	.466	.486	.261	.581	1- 1	58	si
300	2	60.	140.	.274	0.000	.064	.591	1- 1	59	si
301	4	22.	48.	.430	.345	.182	.503	1- 1	50	si
302	4	22.	48.	.412	.325	.167	.506	1- 1	51	si
303	2	60.	140.	.418	0.000	.148	.309	1- 1	42	si
304	4	22.	48.	.501	.515	.280	.611	1- 1	61	si
305	2	60.	140.	.393	0.000	.129	.213	1- 1	39	si
306	4	22.	48.	.519	.308	.254	.695	1- 1	70	si
307	2	60.	140.	.284	0.000	.068	.085	1- 1	28	si
310	4	22.	48.	.093	.010	.008	.289	1- 1	29	si
316	2	60.	140.	.298	0.000	.076	.032	1- 1	30	si
317	4	22.	48.	.357	.219	.121	.372	1- 1	37	si
320	2	60.	140.	.298	0.000	.075	.032	1- 1	30	si
321	4	22.	48.	.317	.213	.093	.240	1- 1	32	si
322	4	22.	48.	.359	.373	.158	.543	1- 1	54	si
323	2	60.	140.	.463	0.000	.179	.081	1- 1	46	si

324	4	22.	48.	.338	.336	.128	.529	1- 1	53	si
325	2	60.	140.	.487	0.000	.197	.013	1- 1	49	si
326	4	22.	48.	.377	.347	.143	.479	1- 1	48	si
327	2	60.	140.	.542	0.000	.250	.023	1- 1	54	si
328	4	22.	48.	.390	.354	.150	.487	1- 1	49	si
329	2	60.	140.	.507	0.000	.218	.121	1- 1	51	si
330	4	22.	48.	.372	.337	.135	.477	1- 1	48	si
331	2	60.	140.	.542	0.000	.250	.011	1- 1	54	si
332	4	22.	48.	.328	.326	.119	.522	1- 1	52	si
333	2	60.	140.	.487	0.000	.197	.085	1- 1	49	si
334	4	22.	48.	.305	.235	.083	.158	1- 1	30	si
335	2	60.	140.	.273	0.000	.064	.072	1- 1	27	si
340	2	60.	140.	.212	0.000	.039	.145	1- 1	21	si
341	4	22.	48.	.320	.321	.089	.175	1- 1	32	si
342	2	60.	140.	.117	0.000	.012	.254	1- 1	25	si
343	4	22.	48.	.361	0.000	.103	.121	1- 1	36	si
344	2	60.	140.	.397	0.000	.132	.199	1- 1	40	si
345	4	22.	48.	.369	.385	.145	.727	1- 1	73	si
346	2	60.	140.	.465	0.000	.180	.073	1- 1	46	si
347	4	22.	48.	.330	.344	.127	.517	1- 1	52	si
348	2	60.	140.	.524	0.000	.234	.086	1- 1	52	si
349	4	22.	48.	.375	.327	.135	.695	1- 1	70	si
350	4	22.	48.	.384	.318	.141	.495	1- 1	50	si
351	2	60.	140.	.453	0.000	.175	.249	1- 1	45	si
352	4	22.	48.	.390	.325	.147	.492	1- 1	49	si
353	2	60.	140.	.327	0.000	.092	.500	1- 1	50	si
354	4	22.	48.	.407	.380	.161	.489	1- 1	49	si
355	2	60.	140.	.148	0.000	.019	.843	1- 1	84	si
356	4	22.	48.	.453	.263	.203	.597	1- 1	60	si
357	6	60.	180.	.224	0.000	.044	.788	1- 1	79	si
358	4	22.	48.	.463	.275	.213	.590	1- 1	59	si
359	8	60.	192.	.315	0.000	.088	.988	1- 1	99	si
360	4	22.	48.	.330	.337	.125	.545	1- 1	54	si
361	2	60.	140.	.284	0.000	.069	.391	1- 1	39	si
362	4	22.	48.	.396	.211	.151	.666	1- 1	67	si
363	2	60.	140.	.124	0.000	.014	.667	1- 1	67	si
364	4	22.	48.	.216	.234	.072	.297	1- 1	30	si
365	6	60.	180.	.191	0.000	.034	.555	1- 1	56	si
366	2	60.	140.	0.000	0.000	0.000	0.000	1- 1	0	si
367	4	22.	48.	.218	.024	.045	.433	1- 1	43	si
369	4	22.	48.	.052	0.000	.002	.224	1- 1	22	si
370	6	60.	180.	.306	0.000	.088	.703	1- 1	70	si
371	4	22.	48.	.204	.217	.057	.199	1- 1	22	si
372	2	60.	140.	.445	0.000	.178	.615	1- 1	62	si
373	4	22.	48.	.485	.486	.236	.598	1- 1	60	si
375	4	22.	48.	.214	.230	.060	.092	1- 1	23	si
376	4	22.	48.	.459	.399	.202	.487	1- 1	49	si
378	4	22.	48.	.105	.011	.010	.272	1- 1	27	si
379	7	24.	60.	.157	0.000	.024	.279	1- 1	28	si
380	4	22.	48.	.127	.014	.015	.322	1- 1	32	si
381	7	24.	60.	0.000	0.000	0.000	0.000	1- 1	0	si
382	4	22.	48.	.127	.014	.015	.322	1- 1	32	si
383	7	24.	60.	0.000	0.000	0.000	0.000	1- 1	0	si
384	4	22.	48.	.127	.014	.015	.322	1- 1	32	si
385	7	24.	60.	0.000	0.000	0.000	0.000	1- 1	0	si
386	4	22.	48.	.127	.014	.015	.322	1- 1	32	si
388	4	22.	48.	.127	.014	.015	.322	1- 1	32	si
389	7	24.	60.	0.000	0.000	0.000	0.000	1- 1	0	si
390	4	22.	48.	.127	.014	.015	.322	1- 1	32	si
391	7	24.	60.	0.000	0.000	0.000	0.000	1- 1	0	si
392	4	22.	48.	.106	.012	.010	.283	1- 1	28	si
393	7	24.	60.	.215	0.000	.037	.058	1- 1	22	si
394	4	22.	48.	.047	0.000	.002	.210	1- 1	21	si
395	7	24.	60.	.117	0.000	.014	.063	1- 1	12	si
397	4	22.	48.	.001	0.000	0.000	.015	1- 1	2	si
398	4	22.	48.	.305	.106	.086	.225	1- 1	30	si
399	2	60.	140.	.069	0.000	.004	.063	1- 1	7	si
400	4	22.	48.	.297	.126	.081	.203	1- 1	30	si
401	2	60.	140.	.092	0.000	.007	.280	1- 1	28	si
402	4	22.	48.	.275	.277	.073	.179	1- 1	28	si
403	2	60.	140.	.184	0.000	.029	.158	1- 1	18	si
404	4	22.	48.	.261	.269	.072	.156	1- 1	27	si
405	2	60.	140.	.242	0.000	.049	.073	1- 1	24	si
406	4	22.	48.	.256	.268	.073	.137	1- 1	27	si
407	2	60.	140.	.265	0.000	.059	.024	1- 1	26	si
408	4	22.	48.	.268	.280	.078	.195	1- 1	28	si
409	2	60.	140.	.265	0.000	.059	.014	1- 1	26	si
410	4	22.	48.	.300	.310	.092	.147	1- 1	31	si
411	2	60.	140.	.252	0.000	.054	.182	1- 1	25	si
412	4	22.	48.	.357	.359	.118	.207	1- 1	36	si
413	2	60.	140.	.203	0.000	.036	.117	1- 1	20	si
414	4	22.	48.	.416	.083	.155	.313	1- 1	42	si
415	2	60.	140.	.117	0.000	.012	.261	1- 1	26	si
416	4	22.	48.	.440	.049	.171	.380	1- 1	44	si

417	2	60.	140.	0.000	0.000	0.000	0.000	1- 1	0	si
418	4	22.	48.	.052	0.000	.002	.224	1- 1	22	si
421	4	22.	48.	.648	.071	.405	.731	1- 1	73	si
422	6	60.	180.	.304	0.000	.087	.691	1- 1	69	si
423	4	22.	48.	.207	.223	.060	.202	1- 1	22	si
424	6	60.	180.	.189	0.000	.034	.545	1- 1	54	si
425	4	22.	48.	.220	.241	.077	.295	1- 1	30	si
426	2	60.	140.	.125	0.000	.014	.654	1- 1	65	si
427	4	22.	48.	.387	.390	.159	.668	1- 1	67	si
428	2	60.	140.	.280	0.000	.067	.381	1- 1	38	si
429	4	22.	48.	.438	.457	.223	.588	1- 1	59	si
430	2	60.	140.	.393	0.000	.130	.202	1- 1	39	si
431	4	22.	48.	.417	.434	.202	.756	1- 1	76	si
432	2	60.	140.	.463	0.000	.178	.078	1- 1	46	si
433	4	22.	48.	.366	.383	.162	.542	1- 1	54	si
434	2	60.	140.	.489	0.000	.197	.013	1- 1	49	si
435	4	22.	48.	.315	.329	.133	.524	1- 1	52	si
436	2	60.	140.	.489	0.000	.197	.009	1- 1	49	si
437	4	22.	48.	.334	.334	.119	.550	1- 1	55	si
438	2	60.	140.	.468	0.000	.180	.075	1- 1	47	si
439	4	22.	48.	.350	.351	.122	.566	1- 1	57	si
440	2	60.	140.	.401	0.000	.132	.206	1- 1	40	si
441	4	22.	48.	.365	.302	.131	.574	1- 1	57	si
442	2	60.	140.	.286	0.000	.068	.402	1- 1	40	si
443	4	22.	48.	.381	.297	.142	.576	1- 1	58	si
444	2	60.	140.	.123	0.000	.013	.663	1- 1	66	si
445	4	22.	48.	.395	.313	.152	.575	1- 1	58	si
446	2	60.	140.	.128	0.000	.014	.198	3- 2	20	si
447	4	22.	48.	.418	.313	.169	.583	1- 1	58	si
448	2	60.	140.	.052	0.000	.002	.034	1- 1	5	si
449	4	22.	48.	.317	.180	.095	.269	1- 1	32	si
450	2	60.	140.	.115	0.000	.011	.115	1- 1	12	si
451	4	22.	48.	.460	.321	.210	.443	1- 1	46	si
452	4	22.	48.	.455	.424	.203	.477	1- 1	48	si
453	2	60.	140.	.227	0.000	.044	.299	1- 1	30	si
454	4	22.	48.	.449	.402	.193	.482	1- 1	48	si
455	2	60.	140.	.177	0.000	.025	.953	1- 1	95	si
456	4	22.	48.	.423	.393	.179	.482	1- 1	48	si
457	2	60.	140.	.276	0.000	.064	.586	1- 1	59	si
458	4	22.	48.	.401	.382	.173	.479	1- 1	48	si
459	2	60.	140.	.421	0.000	.148	.555	1- 1	56	si
460	4	22.	48.	.385	.368	.163	.477	1- 1	48	si
461	2	60.	140.	.511	0.000	.218	.125	1- 1	51	si
462	4	22.	48.	.375	.352	.150	.477	1- 1	48	si
463	2	60.	140.	.547	0.000	.250	.026	1- 1	55	si
464	4	22.	48.	.372	.333	.136	.482	1- 1	48	si
465	2	60.	140.	.547	0.000	.250	.013	1- 1	55	si
466	4	22.	48.	.376	.309	.137	.701	1- 1	70	si
467	2	60.	140.	.530	0.000	.235	.086	1- 1	53	si
468	4	22.	48.	.386	.288	.144	.507	1- 1	51	si
469	2	60.	140.	.459	0.000	.176	.249	1- 1	46	si
470	4	22.	48.	.399	.281	.154	.519	1- 1	52	si
471	2	60.	140.	.334	0.000	.093	.502	1- 1	50	si
472	4	22.	48.	.403	.386	.171	.488	1- 1	49	si
473	2	60.	140.	.154	0.000	.019	.846	1- 1	85	si
474	4	22.	48.	.451	.265	.203	.595	1- 1	60	si
475	6	60.	180.	.224	0.000	.043	.789	1- 1	79	si
476	4	22.	48.	.463	.463	.214	.589	1- 1	59	si
477	8	60.	192.	.316	0.000	.087	.989	1- 1	99	si
478	4	22.	48.	.625	.639	.424	.572	1- 1	64	si
479	2	60.	140.	.451	0.000	.179	.624	1- 1	62	si
480	4	22.	48.	.470	.350	.213	.514	1- 1	51	si
650	4	22.	48.	.198	.021	.037	.413	1- 1	41	si
651	4	22.	48.	.197	.021	.036	.412	1- 1	41	si
652	4	22.	48.	.197	.021	.036	.412	1- 1	41	si
653	4	22.	48.	.197	.021	.036	.412	1- 1	41	si
658	4	22.	48.	.198	.022	.037	.412	1- 1	41	si
659	4	22.	48.	.193	.021	.035	.403	1- 1	40	si
660	4	22.	48.	.197	.021	.036	.412	1- 1	41	si
661	4	22.	48.	.198	.022	.037	.415	1- 1	42	si
666	4	22.	48.	.193	.021	.035	.403	1- 1	40	si
671	4	22.	48.	.126	.014	.015	.303	1- 1	30	si
672	4	22.	48.	.223	.024	.047	.418	1- 1	42	si
673	4	22.	48.	.198	.022	.037	.412	1- 1	41	si
688	4	22.	48.	.199	.022	.037	.416	1- 1	42	si
690	4	22.	48.	.379	.398	.188	.784	1- 1	78	si
695	4	22.	48.	.379	.398	.188	.783	1- 1	78	si
696	4	22.	48.	.413	.056	.163	.319	1- 1	41	si
697	4	22.	48.	.414	.051	.164	.319	1- 1	41	si
698	4	22.	48.	.122	.013	.014	.281	1- 1	28	si
699	4	22.	48.	.122	.013	.014	.281	1- 1	28	si
700	2	60.	140.	.080	0.000	.013	.107	23- 1	11	si
701	2	60.	140.	.033	0.000	.013	.034	23- 1	3	si
703	2	60.	140.	.248	0.000	.056	.324	1- 1	32	si

704	2	60.	140.	.101	0.000	.011	.125	1- 1	12	si
705	2	60.	140.	.046	0.000	.002	.093	1- 1	9	si
706	2	60.	140.	.022	0.000	0.000	.017	1- 1	2	si
708	2	60.	140.	.251	0.000	.056	.328	1- 1	33	si
709	2	60.	140.	.102	0.000	.011	.129	1- 1	13	si
710	2	60.	140.	.047	0.000	.002	.092	1- 1	9	si
711	2	60.	140.	.023	0.000	0.000	.017	1- 1	2	si
712	4	22.	48.	.239	.249	.068	.093	1- 1	25	si
713	4	22.	48.	.105	.117	.023	.080	1- 1	12	si
714	4	22.	48.	.157	.160	.029	.067	1- 1	16	si
715	4	22.	48.	.244	0.000	.074	.382	1- 1	38	si
716	4	22.	48.	.156	.159	.029	.069	1- 1	16	si
717	4	22.	48.	.244	0.000	.074	.390	1- 1	39	si
718	4	22.	48.	.238	.247	.067	.094	1- 1	25	si
719	4	22.	48.	.104	.116	.023	.080	1- 1	12	si
720	2	60.	140.	.310	0.000	.091	.687	1- 1	69	si
721	2	60.	140.	.102	0.000	.011	.460	1- 1	46	si
722	2	60.	140.	.026	0.000	.002	.030	1- 1	3	si
723	2	60.	140.	.015	0.000	0.000	.010	1- 1	2	si
725	2	60.	140.	.325	0.000	.101	.764	1- 1	76	si
726	2	60.	140.	.107	0.000	.012	.510	1- 1	51	si
727	2	60.	140.	.027	0.000	.002	.029	1- 1	3	si
728	2	60.	140.	.014	0.000	0.000	.009	1- 1	1	si



VERIFICA DELLA CAPACITA' PORTANTE DELLA PLATEA:

Descrizione dei Casi di calcolo e riassunto dei risultati.

Segue il riassunto dei Casi di calcolo analizzati. I dettagli di ciascun Caso (sollecitazioni, verifiche, ecc.) sono specificati nei paragrafi successivi.

Indici e nomi dei casi di carico			Elenco delle verifiche eseguite per ciascun caso				Sisma
Caso	Nome	Sestetti	Ver. dren.	Ver. non dren.	Ver. equ.	Ver. upl.	Coef. sism.
1	SLU (SLU Appr.1 Comb.1)	1-1	Si	No	Si	No	$k_{h,x}$= 0.05, $k_{h,y}$= 0.05
1-1 Caso 1-1							
2	SLU VENTOX (SLU Appr.1 Comb.1)	da 2-1 a 2-2	Si	No	Si	No	Non sismico
2-1 Caso 2-1; 2-2 Caso 2-2							
3	SLU VENTOY (SLU Appr.1 Comb.1)	da 3-1 a 3-2	Si	No	Si	No	Non sismico
3-1 Caso 3-1; 3-2 Caso 3-2							
4	SLU con SISMAX PRINC (SLU Appr.1 Comb.1)	da 4-1 a 4-16	Si	No	Si	No	$k_{h,x}$= 0.04, $k_{h,y}$= 0.01
4-1 Caso 6-1; 4-2 Caso 6-2; 4-3 Caso 6-3; 4-4 Caso 6-4; 4-5 Caso 6-5; 4-6 Caso 6-6; 4-7 Caso 6-7; 4-8 Caso 6-8; 4-9 Caso 6-9; 4-10 Caso 6-10; 4-11 Caso 6-11; 4-12 Caso 6-12; 4-13 Caso 6-13; 4-14 Caso 6-14; 4-15 Caso 6-15; 4-16 Caso 6-16							
5	SLU con SISMAX PRINC (SLU Appr.1 Comb.2)	da 5-1 a 5-16	Si	No	Si	No	$k_{h,x}$= 0.04, $k_{h,y}$= 0.01
5-1 Caso 6-1; 5-2 Caso 6-2; 5-3 Caso 6-3; 5-4 Caso 6-4; 5-5 Caso 6-5; 5-6 Caso 6-6; 5-7 Caso 6-7; 5-8 Caso 6-8; 5-9 Caso 6-9; 5-10 Caso 6-10; 5-11 Caso 6-11; 5-12 Caso 6-12; 5-13 Caso 6-13; 5-14 Caso 6-14; 5-15 Caso 6-15; 5-16 Caso 6-16							
6	SLU con SISMAY PRINC (SLU Appr.1 Comb.1)	da 6-1 a 6-16	Si	No	Si	No	$k_{h,x}$= 0.04, $k_{h,y}$= 0.01
6-1 Caso 7-1; 6-2 Caso 7-2; 6-3 Caso 7-3; 6-4 Caso 7-4; 6-5 Caso 7-5; 6-6 Caso 7-6; 6-7 Caso 7-7; 6-8 Caso 7-8; 6-9 Caso 7-9; 6-10 Caso 7-10; 6-11 Caso 7-11; 6-12 Caso 7-12; 6-13 Caso 7-13; 6-14 Caso 7-14; 6-15 Caso 7-15; 6-16 Caso 7-16							
7	SLU con SISMAY PRINC (SLU Appr.1 Comb.2)	da 7-1 a 7-16	Si	No	Si	No	$k_{h,x}$= 0.04, $k_{h,y}$= 0.01
7-1 Caso 7-1; 7-2 Caso 7-2; 7-3 Caso 7-3; 7-4 Caso 7-4; 7-5 Caso 7-5; 7-6 Caso 7-6; 7-7 Caso 7-7; 7-8 Caso 7-8; 7-9 Caso 7-9; 7-10 Caso 7-10; 7-11 Caso 7-11; 7-12 Caso 7-12; 7-13 Caso 7-13; 7-14 Caso 7-14; 7-15 Caso 7-15; 7-16 Caso 7-16							
8	valanga (SLU Appr.1 Comb.1)	da 8-1 a 8-2	Si	No	Si	No	Non sismico
8-1 Caso 23-1; 8-2 Caso 23-2							
9	SLUGeo (SLU Appr.1 Comb.2)	9-1	Si	No	Si	No	Non sismico
9-1 Caso 10-1							
10	SLUGeo VENTOX (SLU Appr.1 Comb.2)	da 10-1 a 10-2	Si	No	Si	No	Non sismico
10-1 Caso 11-1; 10-2 Caso 11-2							
11	SLUGeo VENTOY (SLU Appr.1 Comb.2)	da 11-1 a 11-2	Si	No	Si	No	Non sismico
11-1 Caso 12-1; 11-2 Caso 12-2							
12	SLUEqu (SLU EQU)	12-1	No	No	Si	No	Non sismico
12-1 Caso 13-1							
13	SLUEqu VENTOX (SLU EQU)	da 13-1 a 13-2	No	No	Si	No	Non sismico
13-1 Caso 14-1; 13-2 Caso 14-2							
14	SLUEqu VENTOY (SLU EQU)	da 14-1 a 14-2	No	No	Si	No	Non sismico
14-1 Caso 15-1; 14-2 Caso 15-2							
15	SLD con SISMAX PRINC (SLD)	da 15-1 a 15-16	Si	No	Si	No	$k_{h,x}$= 0.01, $k_{h,y}$= 0.00
15-1 Caso 8-1; 15-2 Caso 8-2; 15-3 Caso 8-3; 15-4 Caso 8-4; 15-5 Caso 8-5; 15-6 Caso 8-6; 15-7 Caso 8-7; 15-8 Caso 8-8; 15-9 Caso 8-9; 15-10 Caso 8-10; 15-11 Caso 8-11; 15-12 Caso 8-12; 15-13 Caso 8-13; 15-14 Caso 8-14; 15-15 Caso 8-15; 15-16 Caso 8-16							
16	SLD con SISMAY PRINC (SLD)	da 16-1 a 16-16	Si	No	Si	No	$k_{h,x}$= 0.01, $k_{h,y}$= 0.00
16-1 Caso 9-1; 16-2 Caso 9-2; 16-3 Caso 9-3; 16-4 Caso 9-4; 16-5 Caso 9-5; 16-6 Caso 9-6; 16-7 Caso 9-7; 16-8 Caso 9-8; 16-9 Caso 9-9; 16-10 Caso 9-10; 16-11 Caso 9-11; 16-12 Caso 9-12; 16-13 Caso 9-13; 16-14 Caso 9-14; 16-15 Caso 9-15; 16-16 Caso 9-16							

La seguente tabella elenca i coefficienti di sicurezza parziali, applicati alle caratteristiche meccaniche del terreno, alla capacità portante, alla resistenza a scorrimento e del terreno, per ciascun Caso di calcolo.

Caso	$\gamma_{G1,fav}$	$\gamma_{G1,sfa}$	$\gamma_{G2,fav}$	$\gamma_{G2,sfa}$	$\gamma_{Qi,fav}$	$\gamma_{Qi,sfa}$
1	1.00	1.30	0.00	1.50	0.00	1.50
2	1.00	1.30	0.00	1.50	0.00	1.50
3	1.00	1.30	0.00	1.50	0.00	1.50
4	1.00	1.00	1.00	1.00	1.00	1.00
5	1.00	1.00	1.00	1.00	1.00	1.00
6	1.00	1.00	1.00	1.00	1.00	1.00
7	1.00	1.00	1.00	1.00	1.00	1.00
8	1.00	1.30	0.00	1.50	0.00	1.50
9	1.00	1.00	0.00	1.30	0.00	1.30

10	1.00	1.00	0.00	1.30	0.00	1.30
11	1.00	1.00	0.00	1.30	0.00	1.30
12	0.90	1.10	0.80	1.50	0.00	1.50
13	0.90	1.10	0.80	1.50	0.00	1.50
14	0.90	1.10	0.80	1.50	0.00	1.50
15	-	-	-	-	-	-
16	-	-	-	-	-	-

Caso	γ_γ	γ_φ	$\gamma_{c'}$	$\gamma_{R;v}$	$\gamma_{R;h}$	$\gamma_{R;e}$	$\gamma_{R;equ}$	$\gamma_{R;upl}$
1	1.00	1.00	1.00	1.00	1.00	1.00	-	-
2	1.00	1.00	1.00	1.00	1.00	1.00	-	-
3	1.00	1.00	1.00	1.00	1.00	1.00	-	-
4	1.00	1.00	1.00	1.00	1.00	1.00	-	-
5	1.00	1.25	1.25	1.80	1.10	1.00	-	-
6	1.00	1.00	1.00	1.00	1.00	1.00	-	-
7	1.00	1.25	1.25	1.80	1.10	1.00	-	-
8	1.00	1.00	1.00	1.00	1.00	1.00	-	-
9	1.00	1.25	1.25	1.80	1.10	1.00	-	-
10	1.00	1.25	1.25	1.80	1.10	1.00	-	-
11	1.00	1.25	1.25	1.80	1.10	1.00	-	-
12	1.00	1.25	1.25	-	-	-	1.00	1.00
13	1.00	1.25	1.25	-	-	-	1.00	1.00
14	1.00	1.25	1.25	-	-	-	1.00	1.00
15	-	-	-	2.30	1.10	1.30	-	-
16	-	-	-	2.30	1.10	1.30	-	-

Segue la tabella riassuntiva di tutte le verifiche a **ribaltamento**.

	Fondazione			Fondazione e Sottofondo		
Caso	**R_d** [daN*cm]	**E_d** [daN*cm]	Verifica	**R_d** [daN*cm]	**E_d** [daN*cm]	Verifica
1-1	3840529970	299211480	SI (3840529970/299211480 = 12.84 >= 1.0)	4268061290	299211480	SI (4268061290/299211480 = 14.26 >= 1.0)
2-1	3880273810	320997360	SI (3880273810/320997360 = 12.09 >= 1.0)	4308145590	321341610	SI (4308145590/321341610 = 13.41 >= 1.0)
2-2	3800786140	277425590	SI (3800786140/277425590 = 13.70 >= 1.0)	4228321230	277425590	SI (4228321230/277425590 = 15.24 >= 1.0)
3-1	3840161100	279163320	SI (3840161100/279163320 = 13.76 >= 1.0)	4268026460	279163320	SI (4268026460/279163320 = 15.29 >= 1.0)
3-2	3840898850	319259640	SI (3840898850/319259640 = 12.03 >= 1.0)	4268433320	319596840	SI (4268433320/319596840 = 13.36 >= 1.0)
4-1	3942983390	244337360	SI (3942983390/244337360 = 16.14 >= 1.0)	4548560810	245521020	SI (4548560810/245521020 = 18.53 >= 1.0)
4-2	3942940240	244337010	SI (3942940240/244337010 = 16.14 >= 1.0)	4548517460	245520670	SI (4548517460/245520670 = 18.53 >= 1.0)
4-3	3950065360	239833470	SI (3950065360/239833470 = 16.47 >= 1.0)	4555673950	240963290	SI (4555673950/240963290 = 18.91 >= 1.0)
4-4	3950022200	239833120	SI (3950022200/239833120 = 16.47 >= 1.0)	4555630610	240962940	SI (4555630610/240962940 = 18.91 >= 1.0)
4-5	2028756540	218915880	SI (2028756540/218915880 = 9.27 >= 1.0)	2349698400	221057900	SI (2349698400/221057900 = 10.63 >= 1.0)
4-6	2028734360	218881500	SI (2028734360/218881500 = 9.27 >= 1.0)	2349676030	221023520	SI (2349676030/221023520 = 10.63 >= 1.0)
4-7	2032396250	240979430	SI (2032396250/240979430 = 8.43 >= 1.0)	2353369300	243863780	SI (2353369300/243863780 = 9.65 >= 1.0)
4-8	2032374070	240945050	SI (2032374070/240945050 = 8.44 >= 1.0)	2353346930	243829400	SI (2353346930/243829400 = 9.65 >= 1.0)
4-9	2026595820	105388170	SI (2026595820/105388170 = 19.23 >= 1.0)	2347519180	108272520	SI (2347519180/108272520 = 21.68 >= 1.0)
4-10	2026573640	105422550	SI (2026573640/105422550 = 19.22 >= 1.0)	2347496810	108306900	SI (2347496810/108306900 = 21.67 >= 1.0)
4-11	2030235530	83324630	SI (2030235530/83324630 = 24.37 >= 1.0)	2351190070	85466640	SI (2351190070/85466640 = 27.51 >= 1.0)
4-12	2030214520	83359010	SI (2030214520/83359010 = 24.36 >= 1.0)	2351168880	85501020	SI (2351168880/85501020 = 27.50 >= 1.0)
4-13	2028891950	216652860	SI (2028891950/216652860 = 9.36 >= 1.0)	2349834970	218725650	SI (2349834970/218725650 = 10.74 >= 1.0)
4-14	2028869770	216618480	SI (2028869770/216618480 = 9.37 >= 1.0)	2349812600	218691270	SI (2349812600/218691270 = 10.74 >= 1.0)
4-15	2032531660	238716400	SI (2032531660/238716400 = 8.51 >= 1.0)	2353505860	241531530	SI (2353505860/241531530 = 9.74 >= 1.0)
4-16	2032509480	238682020	SI (2032509480/238682020 = 8.52 >= 1.0)	2353483500	241497150	SI (2353483500/241497150 = 9.75 >= 1.0)
5-1	3942983390	244337360	SI (3942983390/244337360 = 16.14 >= 1.0)	4548560810	245521020	SI (4548560810/245521020 = 18.53 >= 1.0)
5-2	3942940240	244337010	SI (3942940240/244337010 = 16.14 >= 1.0)	4548517460	245520670	SI (4548517460/245520670 = 18.53 >= 1.0)
5-3	3950065360	239833470	SI (3950065360/239833470 = 16.47 >= 1.0)	4555673950	240963290	SI (4555673950/240963290 = 18.91 >= 1.0)
5-4	3950022200	239833120	SI (3950022200/239833120 = 16.47 >= 1.0)	4555630610	240962940	SI (4555630610/240962940 = 18.91 >= 1.0)
5-5	2028756540	218915880	SI (2028756540/218915880 = 9.27 >= 1.0)	2349698400	221057900	SI (2349698400/221057900 = 10.63 >= 1.0)
5-6	2028734360	218881500	SI (2028734360/218881500 = 9.27 >= 1.0)	2349676030	221023520	SI (2349676030/221023520 = 10.63 >= 1.0)
5-7	2032396250	240979430	SI (2032396250/240979430 = 8.43 >= 1.0)	2353369300	243863780	SI (2353369300/243863780 = 9.65 >= 1.0)
5-8	2032374070	240945050	SI (2032374070/240945050 = 8.44 >= 1.0)	2353346930	243829400	SI (2353346930/243829400 = 9.65 >= 1.0)
5-9	2026595820	105388170	SI (2026595820/105388170 = 19.23 >= 1.0)	2347519180	108272520	SI (2347519180/108272520 = 21.68 >= 1.0)
5-10	2026573640	105422550	SI (2026573640/105422550 = 19.22 >= 1.0)	2347496810	108306900	SI (2347496810/108306900 = 21.67 >= 1.0)
5-11	2030235530	83324630	SI (2030235530/83324630 = 24.37 >= 1.0)	2351190070	85466640	SI (2351190070/85466640 = 27.51 >= 1.0)
5-12	2030214520	83359010	SI (2030214520/83359010 = 24.36 >= 1.0)	2351168880	85501020	SI (2351168880/85501020 = 27.50 >= 1.0)
5-13	2028891950	216652860	SI (2028891950/216652860 = 9.36 >= 1.0)	2349834970	218725650	SI (2349834970/218725650 = 10.74 >= 1.0)
5-14	2028869770	216618480	SI (2028869770/216618480 = 9.37 >= 1.0)	2349812600	218691270	SI (2349812600/218691270 = 10.74 >= 1.0)
5-15	2032531660	238716400	SI (2032531660/238716400 = 8.51 >= 1.0)	2353505860	241531530	SI (2353505860/241531530 = 9.74 >= 1.0)
5-16	2032509480	238682020	SI (2032509480/238682020 = 8.52 >= 1.0)	2353483500	241497150	SI (2353483500/241497150 = 9.75 >= 1.0)
6-1	3936426100	213133950	SI (3936426100/213133950 = 18.47 >= 1.0)	4541974650	213570720	SI (4541974650/213570720 = 21.27 >= 1.0)
6-2	3937766180	213263160	SI (3937766180/213263160 = 18.46 >= 1.0)	4543320620	213699920	SI (4543320620/213699920 = 21.26 >= 1.0)
6-3	3936505600	181754720	SI (3936505600/181754720 = 21.66 >= 1.0)	4542311770	181754720	SI (4542311770/181754720 = 24.99 >= 1.0)
6-4	3937845670	181883930	SI (3937845670/181883930 = 21.65 >= 1.0)	4543657750	181883930	SI (4543657750/181883930 = 24.98 >= 1.0)
6-5	3936283010	213132790	SI (3936283010/213132790 = 18.47 >= 1.0)	4541830920	213569550	SI (4541830920/213569550 = 21.27 >= 1.0)
6-6	3937623080	213261990	SI (3937623080/213261990 = 18.46 >= 1.0)	4543176900	213698760	SI (4543176900/213698760 = 21.26 >= 1.0)
6-7	3936362500	181753560	SI (3936362500/181753560 = 21.66 >= 1.0)	4542168050	181753560	SI (4542168050/181753560 = 24.99 >= 1.0)
6-8	3937702580	181882770	SI (3937702580/181882770 = 21.65 >= 1.0)	4543514020	181882770	SI (4543514020/181882770 = 24.98 >= 1.0)
6-9	3960034170	198120980	SI (3960034170/198120980 = 19.99 >= 1.0)	4565686650	198378260	SI (4565686650/198378260 = 23.02 >= 1.0)

6-10	2035912220	153253910	SI (2035912220/153253910 = 13.28 >= 1.0)	2356915390	155245100	SI (2356915390/155245100 = 15.18 >= 1.0)
6-11	3960113660	166741760	SI (3960113660/166741760 = 23.75 >= 1.0)	4566203270	166741760	SI (4566203270/166741760 = 27.38 >= 1.0)
6-12	2035953080	152575010	SI (2035953080/152575010 = 13.34 >= 1.0)	2356956600	154545430	SI (2356956600/154545430 = 15.25 >= 1.0)
6-13	3959891080	198119820	SI (3959891080/198119820 = 19.99 >= 1.0)	4565542930	198377100	SI (4565542930/198377100 = 23.01 >= 1.0)
6-14	2035838680	153139310	SI (2035838680/153139310 = 13.29 >= 1.0)	2356841220	155130500	SI (2356841220/155130500 = 15.19 >= 1.0)
6-15	3959970570	166740600	SI (3959970570/166740600 = 23.75 >= 1.0)	4566059550	166740600	SI (4566059550/166740600 = 27.38 >= 1.0)
6-16	2035879540	152460410	SI (2035879540/152460410 = 13.35 >= 1.0)	2356882430	154430830	SI (2356882430/154430830 = 15.26 >= 1.0)
7-1	3936426100	213133950	SI (3936426100/213133950 = 18.47 >= 1.0)	4541974650	213570720	SI (4541974650/213570720 = 21.27 >= 1.0)
7-2	3937766180	213263160	SI (3937766180/213263160 = 18.46 >= 1.0)	4543320620	213699920	SI (4543320620/213699920 = 21.26 >= 1.0)
7-3	3936505600	181754720	SI (3936505600/181754720 = 21.66 >= 1.0)	4542311770	181754720	SI (4542311770/181754720 = 24.99 >= 1.0)
7-4	3937845670	181883930	SI (3937845670/181883930 = 21.65 >= 1.0)	4543657750	181883930	SI (4543657750/181883930 = 24.98 >= 1.0)
7-5	3936283010	213132790	SI (3936283010/213132790 = 18.47 >= 1.0)	4541830920	213569550	SI (4541830920/213569550 = 21.27 >= 1.0)
7-6	3937623080	213261990	SI (3937623080/213261990 = 18.46 >= 1.0)	4543176900	213698760	SI (4543176900/213698760 = 21.26 >= 1.0)
7-7	3936362500	181753560	SI (3936362500/181753560 = 21.66 >= 1.0)	4542168050	181753560	SI (4542168050/181753560 = 24.99 >= 1.0)
7-8	3937702580	181882770	SI (3937702580/181882770 = 21.65 >= 1.0)	4543514020	181882770	SI (4543514020/181882770 = 24.98 >= 1.0)
7-9	3960034170	198120980	SI (3960034170/198120980 = 19.99 >= 1.0)	4565686650	198378260	SI (4565686650/198378260 = 23.02 >= 1.0)
7-10	2035912220	153253910	SI (2035912220/153253910 = 13.28 >= 1.0)	2356915390	155245100	SI (2356915390/155245100 = 15.18 >= 1.0)
7-11	3960113660	166741760	SI (3960113660/166741760 = 23.75 >= 1.0)	4566203270	166741760	SI (4566203270/166741760 = 27.38 >= 1.0)
7-12	2035953080	152575010	SI (2035953080/152575010 = 13.34 >= 1.0)	2356956600	154545430	SI (2356956600/154545430 = 15.25 >= 1.0)
7-13	3959891080	198119820	SI (3959891080/198119820 = 19.99 >= 1.0)	4565542930	198377100	SI (4565542930/198377100 = 23.01 >= 1.0)
7-14	2035838680	153139310	SI (2035838680/153139310 = 13.29 >= 1.0)	2356841220	155130500	SI (2356841220/155130500 = 15.19 >= 1.0)
7-15	3959970570	166740600	SI (3959970570/166740600 = 23.75 >= 1.0)	4566059550	166740600	SI (4566059550/166740600 = 27.38 >= 1.0)
7-16	2035879540	152460410	SI (2035879540/152460410 = 13.35 >= 1.0)	2356882430	154430830	SI (2356882430/154430830 = 15.26 >= 1.0)
8-1	3085552180	176184230	SI (3085552180/176184230 = 17.51 >= 1.0)	3863819820	176729140	SI (3863819820/176729140 = 21.86 >= 1.0)
8-2	573063190	208427680	SI (573063190/208427680 = 2.75 >= 1.0)	972603390	208943070	SI (972603390/208943070 = 4.65 >= 1.0)
9-1	3110925310	252275740	SI (3110925310/252275740 = 12.33 >= 1.0)	3441137700	252275740	SI (3441137700/252275740 = 13.64 >= 1.0)
10-1	3145370670	271156840	SI (3145370670/271156840 = 11.60 >= 1.0)	3475878140	271455180	SI (3475878140/271455180 = 12.80 >= 1.0)
10-2	3076481130	233394640	SI (3076481130/233394640 = 13.18 >= 1.0)	3406696790	233394640	SI (3406696790/233394640 = 14.60 >= 1.0)
11-1	3110605470	234900660	SI (3110605470/234900660 = 13.24 >= 1.0)	3441107360	234900660	SI (3441107360/234900660 = 14.65 >= 1.0)
11-2	3111245160	269650810	SI (3111245160/269650810 = 11.54 >= 1.0)	3441460290	269943050	SI (3441460290/269943050 = 12.75 >= 1.0)
12-1	3153580450	276977140	SI (3153580450/276977140 = 11.39 >= 1.0)	3453802020	276977140	SI (3453802020/276977140 = 12.47 >= 1.0)
13-1	3193325450	298763020	SI (3193325450/298763020 = 10.69 >= 1.0)	3493887500	299107260	SI (3493887500/299107260 = 11.68 >= 1.0)
13-2	3113836620	255191250	SI (3113836620/255191250 = 12.20 >= 1.0)	3414061960	255191250	SI (3414061960/255191250 = 13.38 >= 1.0)
14-1	3153211580	256928970	SI (3153211580/256928970 = 12.27 >= 1.0)	3453767190	256928970	SI (3453767190/256928970 = 13.44 >= 1.0)
14-2	3153950490	297025300	SI (3153950490/297025300 = 10.62 >= 1.0)	3454175230	297362500	SI (3454175230/297362500 = 11.62 >= 1.0)
15-1	3945361460	222385820	SI (3945361460/222385820 = 17.74 >= 1.0)	4550949350	223091290	SI (4550949350/223091290 = 20.40 >= 1.0)
15-2	3945336480	222385620	SI (3945336480/222385620 = 17.74 >= 1.0)	4550924250	223091080	SI (4550924250/223091080 = 20.40 >= 1.0)
15-3	3949581570	219701510	SI (3949581570/219701510 = 17.98 >= 1.0)	4555188030	220374880	SI (4555188030/220374880 = 20.67 >= 1.0)
15-4	3949556580	219701300	SI (3949556580/219701300 = 17.98 >= 1.0)	4555162940	220374670	SI (4555162940/220374670 = 20.67 >= 1.0)
15-5	2029050700	157856360	SI (2029050700/157856360 = 12.85 >= 1.0)	2349995090	159132990	SI (2349995090/159132990 = 14.77 >= 1.0)
15-6	2029037860	157835870	SI (2029037860/157835870 = 12.86 >= 1.0)	2349982140	159112500	SI (2349982140/159112500 = 14.77 >= 1.0)
15-7	2031219590	171006230	SI (2031219590/171006230 = 11.88 >= 1.0)	2352182550	172725300	SI (2352182550/172725300 = 13.62 >= 1.0)
15-8	2031206750	170985740	SI (2031206750/170985740 = 11.88 >= 1.0)	2352169600	172704810	SI (2352169600/172704810 = 13.62 >= 1.0)
15-9	3945518180	160045760	SI (3945518180/160045760 = 24.65 >= 1.0)	4551780130	160045760	SI (4551780130/160045760 = 28.44 >= 1.0)
15-10	3945493200	160045560	SI (3945493200/160045560 = 24.65 >= 1.0)	4551755030	160045560	SI (4551755030/160045560 = 28.44 >= 1.0)
15-11	3949740560	157361450	SI (3949740560/157361450 = 25.10 >= 1.0)	4556053190	157361450	SI (4556053190/157361450 = 28.95 >= 1.0)
15-12	3949713300	157361240	SI (3949713300/157361240 = 25.10 >= 1.0)	4556025810	157361240	SI (4556025810/157361240 = 28.95 >= 1.0)
15-13	2029131250	156507590	SI (2029131250/156507590 = 12.97 >= 1.0)	2350076320	157742970	SI (2350076320/157742970 = 14.90 >= 1.0)
15-14	2029118410	156487100	SI (2029118410/156487100 = 12.97 >= 1.0)	2350063370	157722480	SI (2350063370/157722480 = 14.90 >= 1.0)
15-15	2031301300	169657460	SI (2031301300/169657460 = 11.97 >= 1.0)	2352264970	171335280	SI (2352264970/171335280 = 13.73 >= 1.0)
15-16	2031287290	169636970	SI (2031287290/169636970 = 11.97 >= 1.0)	2352250840	171314790	SI (2352250840/171314790 = 13.73 >= 1.0)
16-1	3941452520	203788590	SI (3941452520/203788590 = 19.34 >= 1.0)	4547023200	204048910	SI (4547023200/204048910 = 22.28 >= 1.0)
16-2	3942252030	203865600	SI (3942252030/203865600 = 19.34 >= 1.0)	4547826220	204125910	SI (4547826220/204125910 = 22.28 >= 1.0)
16-3	3941500220	185086570	SI (3941500220/185086570 = 21.30 >= 1.0)	4547224450	185086570	SI (4547224450/185086570 = 24.57 >= 1.0)
16-4	3942299730	185163580	SI (3942299730/185163580 = 21.29 >= 1.0)	4548027470	185163580	SI (4548027470/185163580 = 24.56 >= 1.0)
16-5	3941368490	203787900	SI (3941368490/203787900 = 19.34 >= 1.0)	4546938790	204048210	SI (4546938790/204048210 = 22.28 >= 1.0)
16-6	3942165720	203864900	SI (3942165720/203864900 = 19.34 >= 1.0)	4547739530	204125220	SI (4547739530/204125220 = 22.28 >= 1.0)
16-7	3941413910	185085880	SI (3941413910/185085880 = 21.30 >= 1.0)	4547137760	185085880	SI (4547137760/185085880 = 24.57 >= 1.0)
16-8	3942213420	185162890	SI (3942213420/185162890 = 21.29 >= 1.0)	4547940780	185162890	SI (4547940780/185162890 = 24.56 >= 1.0)
16-9	3955523330	194840860	SI (3955523330/194840860 = 20.30 >= 1.0)	4561155960	194994200	SI (4561155960/194994200 = 23.39 >= 1.0)
16-10	2033316100	118721820	SI (2033316100/118721820 = 17.13 >= 1.0)	2354297030	119908570	SI (2354297030/119908570 = 19.63 >= 1.0)
16-11	3955571030	176138850	SI (3955571030/176138850 = 22.46 >= 1.0)	4561464180	176138850	SI (4561464180/176138850 = 25.90 >= 1.0)
16-12	2033339440	118317190	SI (2033339440/118317190 = 17.19 >= 1.0)	2354320570	119491560	SI (2354320570/119491560 = 19.70 >= 1.0)
16-13	3955437020	194840170	SI (3955437020/194840170 = 20.30 >= 1.0)	4561069270	194993510	SI (4561069270/194993510 = 23.39 >= 1.0)
16-14	2033271740	118653520	SI (2033271740/118653520 = 17.14 >= 1.0)	2354252290	119840270	SI (2354252290/119840270 = 19.64 >= 1.0)
16-15	3955484720	176138150	SI (3955484720/176138150 = 22.46 >= 1.0)	4561377490	176138150	SI (4561377490/176138150 = 25.90 >= 1.0)
16-16	2033296250	118248890	SI (2033296250/118248890 = 17.20 >= 1.0)	2354277010	119423260	SI (2354277010/119423260 = 19.71 >= 1.0)

Segue la tabella riassuntiva di tutte le verifiche di **capacità portante**, i dettagli sono riportati nei paragrafi successivi.

	Cond. drenate			Cond. non drenate		
Caso	E_d [daN]	R_d [daN]	Verifica	E_d [daN]	R_d [daN]	Verifica
1-1	3625226.6	1278439654.9	SI (1278439654.9/3625226.6 = 352.65 >= 1.0)	Verifica non richiesta.		
2-1	3659273.6	1616357567.4	SI (1616357567.4/3659273.6 = 441.72 >= 1.0)	Verifica non richiesta.		
2-2	3591179.6	1641628407.4	SI (1641628407.4/3591179.6 = 457.13 >= 1.0)	Verifica non richiesta.		

3-1	3624910.6	1675658955.4	SI (1675658955.4/3624910.6 = 462.26 >= 1.0)	Verifica non richiesta.
3-2	3625542.6	1638768968.7	SI (1638768968.7/3625542.6 = 452.01 >= 1.0)	Verifica non richiesta.
4-1	1993831.2	870257866.8	SI (870257866.8/1993831.2 = 436.48 >= 1.0)	Verifica non richiesta.
4-2	1993812.2	870221505.6	SI (870221505.6/1993812.2 = 436.46 >= 1.0)	Verifica non richiesta.
4-3	1996949.2	1004880783.5	SI (1004880783.5/1996949.2 = 503.21 >= 1.0)	Verifica non richiesta.
4-4	1996930.2	1004840877.7	SI (1004840877.7/1996930.2 = 503.19 >= 1.0)	Verifica non richiesta.
4-5	1995798.2	856887670.1	SI (856887670.1/1995798.2 = 429.35 >= 1.0)	Verifica non richiesta.
4-6	1995779.2	856912860.4	SI (856912860.4/1995779.2 = 429.36 >= 1.0)	Verifica non richiesta.
4-7	1998916.2	753351671.8	SI (753351671.8/1998916.2 = 376.88 >= 1.0)	Verifica non richiesta.
4-8	1998897.2	753373123.1	SI (753373123.1/1998897.2 = 376.89 >= 1.0)	Verifica non richiesta.
4-9	1993947.2	881957174.1	SI (881957174.1/1993947.2 = 442.32 >= 1.0)	Verifica non richiesta.
4-10	1993928.2	881920426.6	SI (881920426.6/1993928.2 = 442.30 >= 1.0)	Verifica non richiesta.
4-11	1997065.2	1005516053.9	SI (1005516053.9/1997065.2 = 503.50 >= 1.0)	Verifica non richiesta.
4-12	1997047.2	1005476428.3	SI (1005476428.3/1997047.2 = 503.48 >= 1.0)	Verifica non richiesta.
4-13	1995914.2	891525553.4	SI (891525553.4/1995914.2 = 446.68 >= 1.0)	Verifica non richiesta.
4-14	1995895.2	891552029.8	SI (891552029.8/1995895.2 = 446.69 >= 1.0)	Verifica non richiesta.
4-15	1999032.2	773653726.4	SI (773653726.4/1999032.2 = 387.01 >= 1.0)	Verifica non richiesta.
4-16	1999013.2	773675871.1	SI (773675871.1/1999013.2 = 387.03 >= 1.0)	Verifica non richiesta.
5-1	1993831.2	180677842	SI (180677842/1993831.2 = 90.62 >= 1.0)	Verifica non richiesta.
5-2	1993812.2	180670406.7	SI (180670406.7/1993812.2 = 90.62 >= 1.0)	Verifica non richiesta.
5-3	1996949.2	208523499.5	SI (208523499.5/1996949.2 = 104.42 >= 1.0)	Verifica non richiesta.
5-4	1996930.2	208515347.3	SI (208515347.3/1996930.2 = 104.42 >= 1.0)	Verifica non richiesta.
5-5	1995798.2	178105944.9	SI (178105944.9/1995798.2 = 89.24 >= 1.0)	Verifica non richiesta.
5-6	1995779.2	178111076	SI (178111076/1995779.2 = 89.24 >= 1.0)	Verifica non richiesta.
5-7	1998916.2	156673173.6	SI (156673173.6/1998916.2 = 78.38 >= 1.0)	Verifica non richiesta.
5-8	1998897.2	156677543	SI (156677543/1998897.2 = 78.38 >= 1.0)	Verifica non richiesta.
5-9	1993947.2	183267188.9	SI (183267188.9/1993947.2 = 91.91 >= 1.0)	Verifica non richiesta.
5-10	1993928.2	183259668.4	SI (183259668.4/1993928.2 = 91.91 >= 1.0)	Verifica non richiesta.
5-11	1997065.2	208841462.2	SI (208841462.2/1997065.2 = 104.57 >= 1.0)	Verifica non richiesta.
5-12	1997047.2	208833361.1	SI (208833361.1/1997047.2 = 104.57 >= 1.0)	Verifica non richiesta.
5-13	1995914.2	185442616.9	SI (185442616.9/1995914.2 = 92.91 >= 1.0)	Verifica non richiesta.
5-14	1995895.2	185448018.2	SI (185448018.2/1995895.2 = 92.91 >= 1.0)	Verifica non richiesta.
5-15	1999032.2	161015347.8	SI (161015347.8/1999032.2 = 80.55 >= 1.0)	Verifica non richiesta.
5-16	1999013.2	161019864.9	SI (161019864.9/1999013.2 = 80.55 >= 1.0)	Verifica non richiesta.
6-1	1990944.2	1187377262.3	SI (1187377262.3/1990944.2 = 596.39 >= 1.0)	Verifica non richiesta.
6-2	1991534.2	1381448731.4	SI (1381448731.4/1991534.2 = 693.66 >= 1.0)	Verifica non richiesta.
6-3	1990979.2	1215795570.1	SI (1215795570.1/1990979.2 = 610.65 >= 1.0)	Verifica non richiesta.
6-4	1991569.2	1416931269.3	SI (1416931269.3/1991569.2 = 711.46 >= 1.0)	Verifica non richiesta.
6-5	1990881.2	1187229484	SI (1187229484/1990881.2 = 596.33 >= 1.0)	Verifica non richiesta.
6-6	1991471.2	1381596031.8	SI (1381596031.8/1991471.2 = 693.76 >= 1.0)	Verifica non richiesta.
6-7	1990916.2	1215645076.8	SI (1215645076.8/1990916.2 = 610.60 >= 1.0)	Verifica non richiesta.
6-8	1991506.2	1417083534.6	SI (1417083534.6/1991506.2 = 711.56 >= 1.0)	Verifica non richiesta.
6-9	2001338.2	1444041220.5	SI (1444041220.5/2001338.2 = 721.54 >= 1.0)	Verifica non richiesta.
6-10	2001928.2	1060316678	SI (1060316678/2001928.2 = 529.65 >= 1.0)	Verifica non richiesta.
6-11	2001373.2	1427066069.6	SI (1427066069.6/2001373.2 = 713.04 >= 1.0)	Verifica non richiesta.
6-12	2001963.2	1048168114.7	SI (1048168114.7/2001963.2 = 523.57 >= 1.0)	Verifica non richiesta.
6-13	2001275.2	1444195115.6	SI (1444195115.6/2001275.2 = 721.64 >= 1.0)	Verifica non richiesta.
6-14	2001865.2	1060424724.6	SI (1060424724.6/2001865.2 = 529.72 >= 1.0)	Verifica non richiesta.
6-15	2001310.2	1427217304.2	SI (1427217304.2/2001310.2 = 713.14 >= 1.0)	Verifica non richiesta.
6-16	2001900.2	1048274337.6	SI (1048274337.6/2001900.2 = 523.64 >= 1.0)	Verifica non richiesta.
7-1	1990944.2	246141974.8	SI (246141974.8/1990944.2 = 123.63 >= 1.0)	Verifica non richiesta.
7-2	1991534.2	286624928.8	SI (286624928.8/1991534.2 = 143.92 >= 1.0)	Verifica non richiesta.
7-3	1990979.2	252096224.9	SI (252096224.9/1990979.2 = 126.62 >= 1.0)	Verifica non richiesta.
7-4	1991569.2	294052369.9	SI (294052369.9/1991569.2 = 147.65 >= 1.0)	Verifica non richiesta.
7-5	1990881.2	246111829	SI (246111829/1990881.2 = 123.62 >= 1.0)	Verifica non richiesta.
7-6	1991471.2	286654910.4	SI (286654910.4/1991471.2 = 143.94 >= 1.0)	Verifica non richiesta.
7-7	1990916.2	252065520	SI (252065520/1990916.2 = 126.61 >= 1.0)	Verifica non richiesta.
7-8	1991506.2	294083378.7	SI (294083378.7/1991506.2 = 147.67 >= 1.0)	Verifica non richiesta.
7-9	2001338.2	299527079.1	SI (299527079.1/2001338.2 = 149.66 >= 1.0)	Verifica non richiesta.
7-10	2001928.2	220357046.8	SI (220357046.8/2001928.2 = 110.07 >= 1.0)	Verifica non richiesta.
7-11	2001373.2	296081535.6	SI (296081535.6/2001373.2 = 147.94 >= 1.0)	Verifica non richiesta.
7-12	2001963.2	217886742	SI (217886742/2001963.2 = 108.84 >= 1.0)	Verifica non richiesta.
7-13	2001275.2	299558398.9	SI (299558398.9/2001275.2 = 149.68 >= 1.0)	Verifica non richiesta.
7-14	2001865.2	220379059.7	SI (220379059.7/2001865.2 = 110.09 >= 1.0)	Verifica non richiesta.
7-15	2001310.2	296112323.4	SI (296112323.4/2001310.2 = 147.96 >= 1.0)	Verifica non richiesta.
7-16	2001900.2	217908390	SI (217908390/2001900.2 = 108.85 >= 1.0)	Verifica non richiesta.
8-1	1693679.6	1634201493.6	SI (1634201493.6/1693679.6 = 964.88 >= 1.0)	Verifica non richiesta.
8-2	826114.6	842484464.4	SI (842484464.4/826114.6 = 1 019.82 >= 1.0)	Verifica non richiesta.
9-1	2922850.2	351026627.9	SI (351026627.9/2922850.2 = 120.10 >= 1.0)	Verifica non richiesta.
10-1	2952358.2	332721099.6	SI (332721099.6/2952358.2 = 112.70 >= 1.0)	Verifica non richiesta.
10-2	2893343.2	338352305.6	SI (338352305.6/2893343.2 = 116.94 >= 1.0)	Verifica non richiesta.
11-1	2922576.2	345963049.8	SI (345963049.8/2922576.2 = 118.38 >= 1.0)	Verifica non richiesta.
11-2	2923124.2	337607099.5	SI (337607099.5/2923124.2 = 115.50 >= 1.0)	Verifica non richiesta.
15-1	1994878.2	575027260.5	SI (575027260.5/1994878.2 = 288.25 >= 1.0)	Verifica non richiesta.
15-2	1994867.2	575014458.4	SI (575014458.4/1994867.2 = 288.25 >= 1.0)	Verifica non richiesta.

15-3	1996736.2	623693146.4	SI (623693146.4/1996736.2 = 312.36 >= 1.0)	Verifica non richiesta.
15-4	1996725.2	623679668.1	SI (623679668.1/1996725.2 = 312.35 >= 1.0)	Verifica non richiesta.
15-5	1996050.2	538684172.9	SI (538684172.9/1996050.2 = 269.88 >= 1.0)	Verifica non richiesta.
15-6	1996039.2	538694147.4	SI (538694147.4/1996039.2 = 269.88 >= 1.0)	Verifica non richiesta.
15-7	1997908.2	500845497.7	SI (500845497.7/1997908.2 = 250.68 >= 1.0)	Verifica non richiesta.
15-8	1997897.2	500854633.1	SI (500854633.1/1997897.2 = 250.69 >= 1.0)	Verifica non richiesta.
15-9	1994947.2	579870015.4	SI (579870015.4/1994947.2 = 290.67 >= 1.0)	Verifica non richiesta.
15-10	1994936.2	579857132.4	SI (579857132.4/1994936.2 = 290.66 >= 1.0)	Verifica non richiesta.
15-11	1996806.2	624190880.6	SI (624190880.6/1996806.2 = 312.59 >= 1.0)	Verifica non richiesta.
15-12	1996794.2	624177299.4	SI (624177299.4/1996794.2 = 312.59 >= 1.0)	Verifica non richiesta.
15-13	1996119.2	550877984.1	SI (550877984.1/1996119.2 = 275.97 >= 1.0)	Verifica non richiesta.
15-14	1996108.2	550888245.8	SI (550888245.8/1996108.2 = 275.98 >= 1.0)	Verifica non richiesta.
15-15	1997978.2	508678831.4	SI (508678831.4/1997978.2 = 254.60 >= 1.0)	Verifica non richiesta.
15-16	1997966.2	508687997.9	SI (508687997.9/1997966.2 = 254.60 >= 1.0)	Verifica non richiesta.
16-1	1993157.2	666697447.3	SI (666697447.3/1993157.2 = 334.49 >= 1.0)	Verifica non richiesta.
16-2	1993509.2	711378707.9	SI (711378707.9/1993509.2 = 356.85 >= 1.0)	Verifica non richiesta.
16-3	1993178.2	676715152.9	SI (676715152.9/1993178.2 = 339.52 >= 1.0)	Verifica non richiesta.
16-4	1993530.2	722148920.9	SI (722148920.9/1993530.2 = 362.25 >= 1.0)	Verifica non richiesta.
16-5	1993120.2	666738686.4	SI (666738686.4/1993120.2 = 334.52 >= 1.0)	Verifica non richiesta.
16-6	1993471.2	711424485.3	SI (711424485.3/1993471.2 = 356.88 >= 1.0)	Verifica non richiesta.
16-7	1993140.2	676757127.1	SI (676757127.1/1993140.2 = 339.54 >= 1.0)	Verifica non richiesta.
16-8	1993492.2	722195609.3	SI (722195609.3/1993492.2 = 362.28 >= 1.0)	Verifica non richiesta.
16-9	1999352.2	730261138.6	SI (730261138.6/1999352.2 = 365.25 >= 1.0)	Verifica non richiesta.
16-10	1999704.2	609708047.8	SI (609708047.8/1999704.2 = 304.90 >= 1.0)	Verifica non richiesta.
16-11	1999373.2	725186631.7	SI (725186631.7/1999373.2 = 362.71 >= 1.0)	Verifica non richiesta.
16-12	1999724.2	605533550	SI (605533550/1999724.2 = 302.81 >= 1.0)	Verifica non richiesta.
16-13	1999314.2	730308112.4	SI (730308112.4/1999314.2 = 365.28 >= 1.0)	Verifica non richiesta.
16-14	1999666.2	609746302.5	SI (609746302.5/1999666.2 = 304.92 >= 1.0)	Verifica non richiesta.
16-15	1999335.2	725233129.2	SI (725233129.2/1999335.2 = 362.74 >= 1.0)	Verifica non richiesta.
16-16	1999687.2	605571524.7	SI (605571524.7/1999687.2 = 302.83 >= 1.0)	Verifica non richiesta.

Segue la tabella riassuntiva di tutte le verifiche di **resistenza a scorrimento**, i dettagli sono riportati nei paragrafi successivi.

	Cond. drenate			Cond. non drenate		
Caso	E_d [daN]	R_d [daN]	Verifica	E_d [daN]	R_d [daN]	Verifica
1-1	0	1787763.9	SI (1787763.9/0 = 1.00 >= 1.0)	Verifica non richiesta.		
2-1	43088	1805417.9	SI (1805417.9/43088 = 41.90 >= 1.0)	Verifica non richiesta.		
2-2	43088	1771837.6	SI (1771837.6/43088 = 41.12 >= 1.0)	Verifica non richiesta.		
3-1	33720.3	1788386.8	SI (1788386.8/33720.3 = 53.04 >= 1.0)	Verifica non richiesta.		
3-2	33720.3	1788698.4	SI (1788698.4/33720.3 = 53.05 >= 1.0)	Verifica non richiesta.		
4-1	305384.9	984122.3	SI (984122.3/305384.9 = 3.22 >= 1.0)	Verifica non richiesta.		
4-2	305384.9	984113	SI (984113/305384.9 = 3.22 >= 1.0)	Verifica non richiesta.		
4-3	236070.4	985662.4	SI (985662.4/236070.4 = 4.18 >= 1.0)	Verifica non richiesta.		
4-4	236070.4	985653.1	SI (985653.1/236070.4 = 4.18 >= 1.0)	Verifica non richiesta.		
4-5	244729.9	985094.7	SI (985094.7/244729.9 = 4.03 >= 1.0)	Verifica non richiesta.		
4-6	244729.9	985085.3	SI (985085.3/244729.9 = 4.03 >= 1.0)	Verifica non richiesta.		
4-7	309773.7	986628	SI (986628/309773.7 = 3.18 >= 1.0)	Verifica non richiesta.		
4-8	309773.7	986618.7	SI (986618.7/309773.7 = 3.18 >= 1.0)	Verifica non richiesta.		
4-9	309773.7	984177.6	SI (984177.6/309773.7 = 3.18 >= 1.0)	Verifica non richiesta.		
4-10	309773.7	984168.2	SI (984168.2/309773.7 = 3.18 >= 1.0)	Verifica non richiesta.		
4-11	244729.9	985719.5	SI (985719.5/244729.9 = 4.03 >= 1.0)	Verifica non richiesta.		
4-12	244729.9	985710.6	SI (985710.6/244729.9 = 4.03 >= 1.0)	Verifica non richiesta.		
4-13	236070.4	985152	SI (985152/236070.4 = 4.17 >= 1.0)	Verifica non richiesta.		
4-14	236070.4	985142.7	SI (985142.7/236070.4 = 4.17 >= 1.0)	Verifica non richiesta.		
4-15	305384.9	986687.2	SI (986687.2/305384.9 = 3.23 >= 1.0)	Verifica non richiesta.		
4-16	305384.9	986677.8	SI (986677.8/305384.9 = 3.23 >= 1.0)	Verifica non richiesta.		
5-1	305384.9	730885	SI (730885/305384.9 = 2.39 >= 1.0)	Verifica non richiesta.		
5-2	305384.9	730878.1	SI (730878.1/305384.9 = 2.39 >= 1.0)	Verifica non richiesta.		
5-3	236070.4	732028.9	SI (732028.9/236070.4 = 3.10 >= 1.0)	Verifica non richiesta.		
5-4	236070.4	732021.9	SI (732021.9/236070.4 = 3.10 >= 1.0)	Verifica non richiesta.		
5-5	244729.9	731607.3	SI (731607.3/244729.9 = 2.99 >= 1.0)	Verifica non richiesta.		
5-6	244729.9	731600.3	SI (731600.3/244729.9 = 2.99 >= 1.0)	Verifica non richiesta.		
5-7	309773.7	732745.8	SI (732745.8/309773.7 = 2.37 >= 1.0)	Verifica non richiesta.		
5-8	309773.7	732738.8	SI (732738.8/309773.7 = 2.37 >= 1.0)	Verifica non richiesta.		
5-9	309773.7	730926	SI (730926/309773.7 = 2.36 >= 1.0)	Verifica non richiesta.		
5-10	309773.7	730919	SI (730919/309773.7 = 2.36 >= 1.0)	Verifica non richiesta.		
5-11	244729.9	732071.3	SI (732071.3/244729.9 = 2.99 >= 1.0)	Verifica non richiesta.		
5-12	244729.9	732064.7	SI (732064.7/244729.9 = 2.99 >= 1.0)	Verifica non richiesta.		
5-13	236070.4	731649.8	SI (731649.8/236070.4 = 3.10 >= 1.0)	Verifica non richiesta.		
5-14	236070.4	731642.9	SI (731642.9/236070.4 = 3.10 >= 1.0)	Verifica non richiesta.		
5-15	305384.9	732789.8	SI (732789.8/305384.9 = 2.40 >= 1.0)	Verifica non richiesta.		
5-16	305384.9	732782.8	SI (732782.8/305384.9 = 2.40 >= 1.0)	Verifica non richiesta.		
6-1	201824.9	982672.3	SI (982672.3/201824.9 = 4.87 >= 1.0)	Verifica non richiesta.		
6-2	65140.4	982963.2	SI (982963.2/65140.4 = 15.09 >= 1.0)	Verifica non richiesta.		
6-3	200774.2	982666.1	SI (982666.1/200774.2 = 4.89 >= 1.0)	Verifica non richiesta.		

6-4	56591.1	983009.5	SI (983009.5/56591.1 = 17.37 >= 1.0)	Verifica non richiesta.
6-5	201824.9	982641.2	SI (982641.2/201824.9 = 4.87 >= 1.0)	Verifica non richiesta.
6-6	65140.4	982932.1	SI (982932.1/65140.4 = 15.09 >= 1.0)	Verifica non richiesta.
6-7	200774.2	982635	SI (982635/200774.2 = 4.89 >= 1.0)	Verifica non richiesta.
6-8	56591.2	982978.5	SI (982978.5/56591.2 = 17.37 >= 1.0)	Verifica non richiesta.
6-9	56591.2	987827.1	SI (987827.1/56591.2 = 17.46 >= 1.0)	Verifica non richiesta.
6-10	200774.2	988065.5	SI (988065.5/200774.2 = 4.92 >= 1.0)	Verifica non richiesta.
6-11	65140.4	987815.2	SI (987815.2/65140.4 = 15.16 >= 1.0)	Verifica non richiesta.
6-12	201824.9	988106.2	SI (988106.2/201824.9 = 4.90 >= 1.0)	Verifica non richiesta.
6-13	56591.1	987796	SI (987796/56591.1 = 17.45 >= 1.0)	Verifica non richiesta.
6-14	200774.2	988034.5	SI (988034.5/200774.2 = 4.92 >= 1.0)	Verifica non richiesta.
6-15	65140.4	987784.2	SI (987784.2/65140.4 = 15.16 >= 1.0)	Verifica non richiesta.
6-16	201824.9	988075.2	SI (988075.2/201824.9 = 4.90 >= 1.0)	Verifica non richiesta.
7-1	201824.9	729806.9	SI (729806.9/201824.9 = 3.62 >= 1.0)	Verifica non richiesta.
7-2	65140.4	730023	SI (730023/65140.4 = 11.21 >= 1.0)	Verifica non richiesta.
7-3	200774.2	729801.3	SI (729801.3/200774.2 = 3.63 >= 1.0)	Verifica non richiesta.
7-4	56591.1	730058.7	SI (730058.7/56591.1 = 12.90 >= 1.0)	Verifica non richiesta.
7-5	201824.9	729783.9	SI (729783.9/201824.9 = 3.62 >= 1.0)	Verifica non richiesta.
7-6	65140.4	729999.9	SI (729999.9/65140.4 = 11.21 >= 1.0)	Verifica non richiesta.
7-7	200774.2	729778.2	SI (729778.2/200774.2 = 3.63 >= 1.0)	Verifica non richiesta.
7-8	56591.2	730035.7	SI (730035.7/56591.2 = 12.90 >= 1.0)	Verifica non richiesta.
7-9	56591.2	733636.4	SI (733636.4/56591.2 = 12.96 >= 1.0)	Verifica non richiesta.
7-10	200774.2	733811.1	SI (733811.1/200774.2 = 3.65 >= 1.0)	Verifica non richiesta.
7-11	65140.4	733626.3	SI (733626.3/65140.4 = 11.26 >= 1.0)	Verifica non richiesta.
7-12	201824.9	733842.4	SI (733842.4/201824.9 = 3.64 >= 1.0)	Verifica non richiesta.
7-13	56591.1	733613.4	SI (733613.4/56591.1 = 12.96 >= 1.0)	Verifica non richiesta.
7-14	200774.2	733788	SI (733788/200774.2 = 3.65 >= 1.0)	Verifica non richiesta.
7-15	65140.4	733603.2	SI (733603.2/65140.4 = 11.26 >= 1.0)	Verifica non richiesta.
7-16	201824.9	733819.3	SI (733819.3/201824.9 = 3.64 >= 1.0)	Verifica non richiesta.
8-1	75003.6	836057.4	SI (836057.4/75003.6 = 11.15 >= 1.0)	Verifica non richiesta.
8-2	75003.6	408221.7	SI (408221.7/75003.6 = 5.44 >= 1.0)	Verifica non richiesta.
9-1	0	1070428	SI (1070428/0 = 1.00 >= 1.0)	Verifica non richiesta.
10-1	37342.9	1081916.2	SI (1081916.2/37342.9 = 28.97 >= 1.0)	Verifica non richiesta.
10-2	37342.9	1060303.3	SI (1060303.3/37342.9 = 28.39 >= 1.0)	Verifica non richiesta.
11-1	29224.3	1070942.1	SI (1070942.1/29224.3 = 36.65 >= 1.0)	Verifica non richiesta.
11-2	29224.3	1071142.8	SI (1071142.8/29224.3 = 36.65 >= 1.0)	Verifica non richiesta.
15-1	182009.4	895003.9	SI (895003.9/182009.4 = 4.92 >= 1.0)	Verifica non richiesta.
15-2	182009.4	894998.9	SI (894998.9/182009.4 = 4.92 >= 1.0)	Verifica non richiesta.
15-3	140697.9	895838.7	SI (895838.7/140697.9 = 6.37 >= 1.0)	Verifica non richiesta.
15-4	140697.9	895833.8	SI (895833.8/140697.9 = 6.37 >= 1.0)	Verifica non richiesta.
15-5	145859	895531.1	SI (895531.1/145859 = 6.14 >= 1.0)	Verifica non richiesta.
15-6	145859	895526.2	SI (895526.2/145859 = 6.14 >= 1.0)	Verifica non richiesta.
15-7	184625.1	896360.8	SI (896360.8/184625.1 = 4.86 >= 1.0)	Verifica non richiesta.
15-8	184625.1	896355.8	SI (896355.8/184625.1 = 4.86 >= 1.0)	Verifica non richiesta.
15-9	184625.1	895033.3	SI (895033.3/184625.1 = 4.85 >= 1.0)	Verifica non richiesta.
15-10	184625.1	895028.4	SI (895028.4/184625.1 = 4.85 >= 1.0)	Verifica non richiesta.
15-11	145859	895870	SI (895870/145859 = 6.14 >= 1.0)	Verifica non richiesta.
15-12	145859	895864.6	SI (895864.6/145859 = 6.14 >= 1.0)	Verifica non richiesta.
15-13	140697.9	895562.1	SI (895562.1/140697.9 = 6.37 >= 1.0)	Verifica non richiesta.
15-14	140697.9	895557.2	SI (895557.2/140697.9 = 6.37 >= 1.0)	Verifica non richiesta.
15-15	182009.4	896393.7	SI (896393.7/182009.4 = 4.92 >= 1.0)	Verifica non richiesta.
15-16	182009.4	896388.3	SI (896388.3/182009.4 = 4.92 >= 1.0)	Verifica non richiesta.
16-1	120287.6	894212	SI (894212/120287.6 = 7.43 >= 1.0)	Verifica non richiesta.
16-2	38823.7	894369.8	SI (894369.8/38823.7 = 23.04 >= 1.0)	Verifica non richiesta.
16-3	119661.4	894203.4	SI (894203.4/119661.4 = 7.47 >= 1.0)	Verifica non richiesta.
16-4	33728.3	894401.6	SI (894401.6/33728.3 = 26.52 >= 1.0)	Verifica non richiesta.
16-5	120287.6	894195.5	SI (894195.5/120287.6 = 7.43 >= 1.0)	Verifica non richiesta.
16-6	38823.7	894352.8	SI (894352.8/38823.7 = 23.04 >= 1.0)	Verifica non richiesta.
16-7	119661.4	894186.4	SI (894186.4/119661.4 = 7.47 >= 1.0)	Verifica non richiesta.
16-8	33728.3	894384.6	SI (894384.6/33728.3 = 26.52 >= 1.0)	Verifica non richiesta.
16-9	33728.3	897011.7	SI (897011.7/33728.3 = 26.60 >= 1.0)	Verifica non richiesta.
16-10	119661.4	897129.1	SI (897129.1/119661.4 = 7.50 >= 1.0)	Verifica non richiesta.
16-11	38823.7	896998.7	SI (896998.7/38823.7 = 23.10 >= 1.0)	Verifica non richiesta.
16-12	120287.6	897156.1	SI (897156.1/120287.6 = 7.46 >= 1.0)	Verifica non richiesta.
16-13	33728.3	896994.7	SI (896994.7/33728.3 = 26.59 >= 1.0)	Verifica non richiesta.
16-14	119661.4	897112.1	SI (897112.1/119661.4 = 7.50 >= 1.0)	Verifica non richiesta.
16-15	38823.7	896981.7	SI (896981.7/38823.7 = 23.10 >= 1.0)	Verifica non richiesta.
16-16	120287.6	897139.5	SI (897139.5/120287.6 = 7.46 >= 1.0)	Verifica non richiesta.

Descrizione del metodo di calcolo.

Il calcolo della capacità portante viene eseguito secondo la formula trinomia, considerando separatamente i contributi dovuti alla coesione, al sovraccarico laterale ed al peso del terreno.

Per le verifiche in condizioni drenate, si utilizzano i coefficienti di capacità portante Nq (Prandtl, 1921), Nc (Reissner, 1924), N_γ (Vesic, 1973), i coefficienti correttivi dovuti alla forma della fondazione (s, Meyerhof, 1951 e 1963), all'approfondimento (d, Brinch Hansen, 1970), all'inclinazione del carico (i, Vesic, 1973), all'inclinazione del piano di posa (b, Vesic, 1973), all'inclinazione del piano campagna (g, Vesic, 1973), e all'azione sismica (h - Maugeri e Novità, 2004).

Nel caso di terreno eterogeneo (litologie differenti, presenza di falda), i parametri meccanici utilizzati nel calcolo sono ottenuti come media ponderata dei valori rinvenuti all'interno del cuneo di rottura.

La resistenza a scorrimento, viene ottenuta sommando i contributi del carico normale al piano di posa moltiplicato per il coefficiente d'attrito, e dell'area del piano di posa (eventualmente ridotta per carico verticale eccentrico) per l'adesione fondazione-terreno. In condizioni drenate, l'attrito fondazione terreno è assunto pari all'angolo di resistenza al taglio del terreno moltiplicato per il coefficiente 0.75, l'adesione fondazione terreno è trascurata (assunta pari a 0). Si considera il contributo della pressione del terreno a lato della fondazione. La resistenza laterale del terreno è assunta pari alla resistenza passiva disponibile moltiplicata per 0.50.

Descrizione della fondazione.

La fondazione ha piano di posa rettangolare, con lato X di 4562.63 [cm], lato Y di 2354.65 [cm], e centro alla quota z = -10 [cm]. Il piano di posa è orizzontale.

Descrizione del terreno.

La stratigrafia è eterogenea, presenta 2 strati								
n.	nome	z_i [cm]	z_f [cm]	γ_d [daN/cm^3]	γ_t [daN/cm^3]	c' [daN/cm^2]	φ' [°]
1	ghaia sabbiosa limo	0	-200	0.00185	0.00215	0	35
2	till	-200	-7013.94	0.00186	0.00215	0	38

La stratigrafia non contiene una falda

Verifiche in condizioni drenate.

Sollecitazioni al piano di posa.

Si riportano di seguito le componenti della sollecitazione applicata e la distanza del punto di applicazione dal centro del piano di posa della fondazione.

Rispetto al sistema di rif. globale:								
Caso	Fx [daN]	Fy [daN]	Fz [daN]	Mx [daN*cm]	My [daN*cm]	dx [cm]	dy [cm]	dz [cm]
1-1	0	0	-3625226.58	299211478	345442678	0	0	10
2-1	25914.41	-34424.14	-3659273.58	320997365	325628637	0	0	10
2-2	-25914.41	34424.14	-3591179.58	277425591	365256719	0	0	10
3-1	0	33720.3	-3624910.58	279163316	345428418	0	0	10
3-2	0	-33720.29	-3625542.58	319259639	345456938	0	0	10
4-1	118366.48	281512.57	-1993831.22	-103125148	244337358	0	0	10
4-2	118366.48	281512.57	-1993812.22	-103159528	244337009	0	0	10
4-3	112981.69	207278.46	-1996949.22	-81061607	239833469	0	0	10
4-4	112981.69	207278.46	-1996930.22	-81095987	239833120	0	0	10
4-5	118366.48	-214201.1	-1995798.22	218915885	244768047	0	0	10
4-6	118366.48	-214201.1	-1995779.22	218881505	244767698	0	0	10
4-7	112981.69	-288435.2	-1998916.22	240979426	240264158	0	0	10
4-8	112981.69	-288435.2	-1998897.22	240945046	240263809	0	0	10
4-9	-112981.69	288435.2	-1993947.22	-105388172	139739943	0	0	10
4-10	-112981.69	288435.2	-1993928.22	-105422552	139739595	0	0	10
4-11	-118366.48	214201.1	-1997065.22	-83324631	135236054	0	0	10
4-12	-118366.48	214201.1	-1997047.22	-83359011	135235705	0	0	10
4-13	-112981.69	-207278.46	-1995914.22	216652862	140170632	0	0	10
4-14	-112981.69	-207278.46	-1995895.22	216618482	140170284	0	0	10
4-15	-118366.48	-281512.57	-1999032.22	238716402	135666743	0	0	10
4-16	-118366.48	-281512.57	-1999013.22	238682022	135666395	0	0	10
5-1	118366.48	281512.57	-1993831.22	-103125148	244337358	0	0	10
5-2	118366.48	281512.57	-1993812.22	-103159528	244337009	0	0	10
5-3	112981.69	207278.46	-1996949.22	-81061607	239833469	0	0	10
5-4	112981.69	207278.46	-1996930.22	-81095987	239833120	0	0	10
5-5	118366.48	-214201.1	-1995798.22	218915885	244768047	0	0	10
5-6	118366.48	-214201.1	-1995779.22	218881505	244767698	0	0	10
5-7	112981.69	-288435.2	-1998916.22	240979426	240264158	0	0	10
5-8	112981.69	-288435.2	-1998897.22	240945046	240263809	0	0	10
5-9	-112981.69	288435.2	-1993947.22	-105388172	139739943	0	0	10
5-10	-112981.69	288435.2	-1993928.22	-105422552	139739595	0	0	10
5-11	-118366.48	214201.1	-1997065.22	-83324631	135236054	0	0	10
5-12	-118366.48	214201.1	-1997047.22	-83359011	135235705	0	0	10

5-13	-112981.69	-207278.46	-1995914.22	216652862	140170632	0	0	10
5-14	-112981.69	-207278.46	-1995895.22	216618482	140170284	0	0	10
5-15	-118366.48	-281512.57	-1999032.22	238716402	135666743	0	0	10
5-16	-118366.48	-281512.57	-1999013.22	238682022	135666395	0	0	10
6-1	43676.87	197042.16	-1990944.22	-16903532	213133948	0	0	10
6-2	43676.87	48328.06	-1991534.22	79708778	213263155	0	0	10
6-3	-25727.58	199118.96	-1990979.22	-17582439	181754724	0	0	10
6-4	-25727.58	50404.85	-1991569.22	79029871	181883931	0	0	10
6-5	43676.87	197042.17	-1990881.22	-17018132	213132786	0	0	10
6-6	43676.87	48328.06	-1991471.22	79594178	213261992	0	0	10
6-7	-25727.58	199118.96	-1990916.22	-17697039	181753561	0	0	10
6-8	-25727.58	50404.86	-1991506.22	78915271	181882768	0	0	10
6-9	25727.58	-50404.86	-2001338.22	56641603	198120985	0	0	10
6-10	25727.58	-199118.96	-2001928.22	153253913	198250191	0	0	10
6-11	-43676.87	-48328.06	-2001373.22	55962696	166741760	0	0	10
6-12	-43676.87	-197042.17	-2001963.22	152575006	166870967	0	0	10
6-13	25727.58	-50404.85	-2001275.22	56527003	198119822	0	0	10
6-14	25727.58	-199118.96	-2001865.22	153139313	198249029	0	0	10
6-15	-43676.87	-48328.06	-2001310.22	55848096	166740598	0	0	10
6-16	-43676.87	-197042.16	-2001900.22	152460406	166869804	0	0	10
7-1	43676.87	197042.16	-1990944.22	-16903532	213133948	0	0	10
7-2	43676.87	48328.06	-1991534.22	79708778	213263155	0	0	10
7-3	-25727.58	199118.96	-1990979.22	-17582439	181754724	0	0	10
7-4	-25727.58	50404.85	-1991569.22	79029871	181883931	0	0	10
7-5	43676.87	197042.17	-1990881.22	-17018132	213132786	0	0	10
7-6	43676.87	48328.06	-1991471.22	79594178	213261992	0	0	10
7-7	-25727.58	199118.96	-1990916.22	-17697039	181753561	0	0	10
7-8	-25727.58	50404.86	-1991506.22	78915271	181882768	0	0	10
7-9	25727.58	-50404.86	-2001338.22	56641603	198120985	0	0	10
7-10	25727.58	-199118.96	-2001928.22	153253913	198250191	0	0	10
7-11	-43676.87	-48328.06	-2001373.22	55962696	166741760	0	0	10
7-12	-43676.87	-197042.17	-2001963.22	152575006	166870967	0	0	10
7-13	25727.58	-50404.85	-2001275.22	56527003	198119822	0	0	10
7-14	25727.58	-199118.96	-2001865.22	153139313	198249029	0	0	10
7-15	-43676.87	-48328.06	-2001310.22	55848096	166740598	0	0	10
7-16	-43676.87	-197042.16	-2001900.22	152460406	166869804	0	0	10
8-1	54491.54	-51538.44	-1693679.58	34797335	176184229	0	0	10
8-2	-54491.54	51538.44	-826114.58	-208427685	63718536	0	0	10
9-1	0	0	-2922850.22	252275739	280168450	0	0	10
10-1	22459.15	-29834.25	-2952358.22	271156841	262996281	0	0	10
10-2	-22459.15	29834.25	-2893343.22	233394637	297340619	0	0	10
11-1	0	29224.26	-2922576.22	234900665	280156091	0	0	10
11-2	0	-29224.26	-2923124.22	269650812	280180808	0	0	10
15-1	70546.42	167781.49	-1994878.22	-34080100	222385823	0	0	10
15-2	70546.42	167781.49	-1994867.22	-34100590	222385616	0	0	10
15-3	67337.09	123537.96	-1996736.22	-20930229	219701506	0	0	10
15-4	67337.09	123537.96	-1996725.22	-20950720	219701298	0	0	10
15-5	70546.42	-127663.85	-1996050.22	157856356	222642514	0	0	10
15-6	70546.42	-127663.85	-1996039.22	157835866	222642306	0	0	10
15-7	67337.09	-171907.38	-1997908.22	171006226	219958196	0	0	10
15-8	67337.09	-171907.38	-1997897.22	170985736	219957988	0	0	10
15-9	-67337.09	171907.38	-1994947.22	-35428862	160045764	0	0	10
15-10	-67337.09	171907.38	-1994936.22	-35449352	160045556	0	0	10
15-11	-70546.42	127663.85	-1996806.22	-22278992	157361446	0	0	10
15-12	-70546.42	127663.85	-1996794.22	-22299482	157361238	0	0	10
15-13	-67337.09	-123537.96	-1996119.22	156507594	160302455	0	0	10
15-14	-67337.09	-123537.96	-1996108.22	156487104	160302247	0	0	10
15-15	-70546.42	-167781.49	-1997978.22	169657464	157618137	0	0	10
15-16	-70546.42	-167781.49	-1997966.22	169636974	157617929	0	0	10
16-1	26031.41	117437.13	-1993157.22	17307984	203788591	0	0	10
16-2	26031.41	28803.53	-1993509.22	74888920	203865598	0	0	10
16-3	-15333.64	118674.9	-1993178.22	16903355	185086573	0	0	10
16-4	-15333.64	30041.29	-1993530.22	74484292	185163581	0	0	10
16-5	26031.41	117437.13	-1993120.22	17239682	203787898	0	0	10
16-6	26031.41	28803.53	-1993471.22	74820619	203864905	0	0	10
16-7	-15333.64	118674.9	-1993140.22	16835053	185085880	0	0	10
16-8	-15333.64	30041.29	-1993492.22	74415990	185162888	0	0	10
16-9	15333.64	-30041.29	-1999352.22	61140884	194840865	0	0	10
16-10	15333.64	-118674.9	-1999704.22	118721821	194917872	0	0	10
16-11	-26031.41	-28803.53	-1999373.22	60736255	176138847	0	0	10
16-12	-26031.41	-117437.13	-1999724.22	118317192	176215854	0	0	10
16-13	15333.64	-30041.29	-1999314.22	61072582	194840172	0	0	10
16-14	15333.64	-118674.9	-1999666.22	118653519	194917179	0	0	10
16-15	-26031.41	-28803.53	-1999335.22	60667954	176138154	0	0	10
16-16	-26031.41	-117437.13	-1999687.22	118248891	176215161	0	0	10

Rispetto al sistema di rif. locale (centro piano di posa):								
Caso	Hx [daN]	Hy [daN]	Vz [daN]	Mx [daN*cm]	My [daN*cm]	dx [cm]	dy [cm]	dz [cm]
1-1	0	0	-3625226.58	299211478	345442678	-	-	-
2-1	25914.41	-34424.14	-3659273.58	321341606	325887781	-	-	-
2-2	-25914.41	34424.14	-3591179.58	277081350	364997575	-	-	-
3-1	0	33720.3	-3624910.58	278826113	345428418	-	-	-
3-2	0	-33720.29	-3625542.58	319596842	345456938	-	-	-
4-1	118366.48	281512.57	-1993831.22	-105940274	245521023	-	-	-
4-2	118366.48	281512.57	-1993812.22	-105974654	245520674	-	-	-
4-3	112981.69	207278.46	-1996949.22	-83134392	240963286	-	-	-
4-4	112981.69	207278.46	-1996930.22	-83168772	240962937	-	-	-
4-5	118366.48	-214201.1	-1995798.22	221057896	245951712	-	-	-
4-6	118366.48	-214201.1	-1995779.22	221023516	245951363	-	-	-
4-7	112981.69	-288435.2	-1998916.22	243863778	241393975	-	-	-
4-8	112981.69	-288435.2	-1998897.22	243829398	241393626	-	-	-
4-9	-112981.69	288435.2	-1993947.22	-108272524	138610126	-	-	-
4-10	-112981.69	288435.2	-1993928.22	-108306904	138609778	-	-	-
4-11	-118366.48	214201.1	-1997065.22	-85466642	134052389	-	-	-
4-12	-118366.48	214201.1	-1997047.22	-85501022	134052040	-	-	-
4-13	-112981.69	-207278.46	-1995914.22	218725647	139040815	-	-	-
4-14	-112981.69	-207278.46	-1995895.22	218691267	139040467	-	-	-
4-15	-118366.48	-281512.57	-1999032.22	241531528	134483078	-	-	-
4-16	-118366.48	-281512.57	-1999013.22	241497148	134482730	-	-	-
5-1	118366.48	281512.57	-1993831.22	-105940274	245521023	-	-	-
5-2	118366.48	281512.57	-1993812.22	-105974654	245520674	-	-	-
5-3	112981.69	207278.46	-1996949.22	-83134392	240963286	-	-	-
5-4	112981.69	207278.46	-1996930.22	-83168772	240962937	-	-	-
5-5	118366.48	-214201.1	-1995798.22	221057896	245951712	-	-	-
5-6	118366.48	-214201.1	-1995779.22	221023516	245951363	-	-	-
5-7	112981.69	-288435.2	-1998916.22	243863778	241393975	-	-	-
5-8	112981.69	-288435.2	-1998897.22	243829398	241393626	-	-	-
5-9	-112981.69	288435.2	-1993947.22	-108272524	138610126	-	-	-
5-10	-112981.69	288435.2	-1993928.22	-108306904	138609778	-	-	-
5-11	-118366.48	214201.1	-1997065.22	-85466642	134052389	-	-	-
5-12	-118366.48	214201.1	-1997047.22	-85501022	134052040	-	-	-
5-13	-112981.69	-207278.46	-1995914.22	218725647	139040815	-	-	-
5-14	-112981.69	-207278.46	-1995895.22	218691267	139040467	-	-	-
5-15	-118366.48	-281512.57	-1999032.22	241531528	134483078	-	-	-
5-16	-118366.48	-281512.57	-1999013.22	241497148	134482730	-	-	-
6-1	43676.87	197042.16	-1990944.22	-18873954	213570717	-	-	-
6-2	43676.87	48328.06	-1991534.22	79225497	213699924	-	-	-
6-3	-25727.58	199118.96	-1990979.22	-19573629	181497448	-	-	-
6-4	-25727.58	50404.85	-1991569.22	78525822	181626655	-	-	-
6-5	43676.87	197042.17	-1990881.22	-18988554	213569555	-	-	-
6-6	43676.87	48328.06	-1991471.22	79110897	213698761	-	-	-
6-7	-25727.58	199118.96	-1990916.22	-19688229	181496285	-	-	-
6-8	-25727.58	50404.86	-1991506.22	78411222	181625492	-	-	-
6-9	25727.58	-50404.86	-2001338.22	57145652	198378261	-	-	-
6-10	25727.58	-199118.96	-2001928.22	155245103	198507467	-	-	-
6-11	-43676.87	-48328.06	-2001373.22	56445977	166304991	-	-	-
6-12	-43676.87	-197042.17	-2001963.22	154545428	166434198	-	-	-
6-13	25727.58	-50404.85	-2001275.22	57031052	198377098	-	-	-
6-14	25727.58	-199118.96	-2001865.22	155130503	198506305	-	-	-
6-15	-43676.87	-48328.06	-2001310.22	56331377	166303829	-	-	-
6-16	-43676.87	-197042.16	-2001900.22	154430828	166433035	-	-	-
7-1	43676.87	197042.16	-1990944.22	-18873954	213570717	-	-	-
7-2	43676.87	48328.06	-1991534.22	79225497	213699924	-	-	-
7-3	-25727.58	199118.96	-1990979.22	-19573629	181497448	-	-	-
7-4	-25727.58	50404.85	-1991569.22	78525822	181626655	-	-	-
7-5	43676.87	197042.17	-1990881.22	-18988554	213569555	-	-	-
7-6	43676.87	48328.06	-1991471.22	79110897	213698761	-	-	-
7-7	-25727.58	199118.96	-1990916.22	-19688229	181496285	-	-	-
7-8	-25727.58	50404.86	-1991506.22	78411222	181625492	-	-	-
7-9	25727.58	-50404.86	-2001338.22	57145652	198378261	-	-	-
7-10	25727.58	-199118.96	-2001928.22	155245103	198507467	-	-	-
7-11	-43676.87	-48328.06	-2001373.22	56445977	166304991	-	-	-
7-12	-43676.87	-197042.17	-2001963.22	154545428	166434198	-	-	-
7-13	25727.58	-50404.85	-2001275.22	57031052	198377098	-	-	-
7-14	25727.58	-199118.96	-2001865.22	155130503	198506305	-	-	-
7-15	-43676.87	-48328.06	-2001310.22	56331377	166303829	-	-	-
7-16	-43676.87	-197042.16	-2001900.22	154430828	166433035	-	-	-
8-1	54491.54	-51538.44	-1693679.58	35312719	176729144	-	-	-
8-2	-54491.54	51538.44	-826114.58	-208943069	63173621	-	-	-
9-1	0	0	-2922850.22	252275739	280168450	-	-	-
10-1	22459.15	-29834.25	-2952358.22	271455184	263220872	-	-	-

10-2	-22459.15	29834.25	-2893343.22	233096294	297116028	-	-	-
11-1	0	29224.26	-2922576.22	234608422	280156091	-	-	-
11-2	0	-29224.26	-2923124.22	269943055	280180808	-	-	-
15-1	70546.42	167781.49	-1994878.22	-35757915	223091287	-	-	-
15-2	70546.42	167781.49	-1994867.22	-35778405	223091080	-	-	-
15-3	67337.09	123537.96	-1996736.22	-22165609	220374877	-	-	-
15-4	67337.09	123537.96	-1996725.22	-22186100	220374669	-	-	-
15-5	70546.42	-127663.85	-1996050.22	159132994	223347978	-	-	-
15-6	70546.42	-127663.85	-1996039.22	159112504	223347770	-	-	-
15-7	67337.09	-171907.38	-1997908.22	172725300	220631567	-	-	-
15-8	67337.09	-171907.38	-1997897.22	172704810	220631359	-	-	-
15-9	-67337.09	171907.38	-1994947.22	-37147936	159372393	-	-	-
15-10	-67337.09	171907.38	-1994936.22	-37168426	159372185	-	-	-
15-11	-70546.42	127663.85	-1996806.22	-23555630	156655982	-	-	-
15-12	-70546.42	127663.85	-1996794.22	-23576120	156655774	-	-	-
15-13	-67337.09	-123537.96	-1996119.22	157742974	159629084	-	-	-
15-14	-67337.09	-123537.96	-1996108.22	157722484	159628876	-	-	-
15-15	-70546.42	-167781.49	-1997978.22	171335279	156912673	-	-	-
15-16	-70546.42	-167781.49	-1997966.22	171314789	156912465	-	-	-
16-1	26031.41	117437.13	-1993157.22	16133613	204048905	-	-	-
16-2	26031.41	28803.53	-1993509.22	74600885	204125912	-	-	-
16-3	-15333.64	118674.9	-1993178.22	15716606	184933237	-	-	-
16-4	-15333.64	30041.29	-1993530.22	74183879	185010245	-	-	-
16-5	26031.41	117437.13	-1993120.22	16065311	204048212	-	-	-
16-6	26031.41	28803.53	-1993471.22	74532584	204125219	-	-	-
16-7	-15333.64	118674.9	-1993140.22	15648304	184932544	-	-	-
16-8	-15333.64	30041.29	-1993492.22	74115577	185009552	-	-	-
16-9	15333.64	-30041.29	-1999352.22	61441297	194994201	-	-	-
16-10	15333.64	-118674.9	-1999704.22	119908570	195071208	-	-	-
16-11	-26031.41	-28803.53	-1999373.22	61024290	175878533	-	-	-
16-12	-26031.41	-117437.13	-1999724.22	119491563	175955540	-	-	-
16-13	15333.64	-30041.29	-1999314.22	61372995	194993508	-	-	-
16-14	15333.64	-118674.9	-1999666.22	119840268	195070515	-	-	-
16-15	-26031.41	-28803.53	-1999335.22	60955989	175877840	-	-	-
16-16	-26031.41	-117437.13	-1999687.22	119423262	175954847	-	-	-

Le sollecitazioni applicate provocano un' eccentricità lungo X (max = 123.24 [cm]) e lungo Y (max = 252.92 [cm]), percio' le verifiche vengono eseguite sulla fondazione ridotta rettangolare.

Caso	ecc. X [cm]	ecc. Y [cm]	Asse B	Asse L
1-1	95.29	82.54	asse Y	asse X
2-1	89.06	87.82	asse Y	asse X
2-2	101.64	77.16	asse Y	asse X
3-1	95.29	76.92	asse Y	asse X
3-2	95.28	88.15	asse Y	asse X
4-1	123.14	53.13	asse Y	asse X
4-2	123.14	53.15	asse Y	asse X
4-3	120.67	41.63	asse Y	asse X
4-4	120.67	41.65	asse Y	asse X
4-5	123.23	110.76	asse Y	asse X
4-6	123.24	110.75	asse Y	asse X
4-7	120.76	122	asse Y	asse X
4-8	120.76	121.98	asse Y	asse X
4-9	69.52	54.3	asse Y	asse X
4-10	69.52	54.32	asse Y	asse X
4-11	67.12	42.8	asse Y	asse X
4-12	67.13	42.81	asse Y	asse X
4-13	69.66	109.59	asse Y	asse X
4-14	69.66	109.57	asse Y	asse X
4-15	67.27	120.82	asse Y	asse X
4-16	67.27	120.81	asse Y	asse X
5-1	123.14	53.13	asse Y	asse X
5-2	123.14	53.15	asse Y	asse X
5-3	120.67	41.63	asse Y	asse X
5-4	120.67	41.65	asse Y	asse X
5-5	123.23	110.76	asse Y	asse X
5-6	123.24	110.75	asse Y	asse X
5-7	120.76	122	asse Y	asse X
5-8	120.76	121.98	asse Y	asse X
5-9	69.52	54.3	asse Y	asse X
5-10	69.52	54.32	asse Y	asse X
5-11	67.12	42.8	asse Y	asse X
5-12	67.13	42.81	asse Y	asse X
5-13	69.66	109.59	asse Y	asse X
5-14	69.66	109.57	asse Y	asse X

5-15	67.27	120.82	asse Y	asse X
5-16	67.27	120.81	asse Y	asse X
6-1	107.27	9.48	asse Y	asse X
6-2	107.3	39.78	asse Y	asse X
6-3	91.16	9.83	asse Y	asse X
6-4	91.2	39.43	asse Y	asse X
6-5	107.27	9.54	asse Y	asse X
6-6	107.31	39.72	asse Y	asse X
6-7	91.16	9.89	asse Y	asse X
6-8	91.2	39.37	asse Y	asse X
6-9	99.12	28.55	asse Y	asse X
6-10	99.16	77.55	asse Y	asse X
6-11	83.1	28.2	asse Y	asse X
6-12	83.14	77.2	asse Y	asse X
6-13	99.13	28.5	asse Y	asse X
6-14	99.16	77.49	asse Y	asse X
6-15	83.1	28.15	asse Y	asse X
6-16	83.14	77.14	asse Y	asse X
7-1	107.27	9.48	asse Y	asse X
7-2	107.3	39.78	asse Y	asse X
7-3	91.16	9.83	asse Y	asse X
7-4	91.2	39.43	asse Y	asse X
7-5	107.27	9.54	asse Y	asse X
7-6	107.31	39.72	asse Y	asse X
7-7	91.16	9.89	asse Y	asse X
7-8	91.2	39.37	asse Y	asse X
7-9	99.12	28.55	asse Y	asse X
7-10	99.16	77.55	asse Y	asse X
7-11	83.1	28.2	asse Y	asse X
7-12	83.14	77.2	asse Y	asse X
7-13	99.13	28.5	asse Y	asse X
7-14	99.16	77.49	asse Y	asse X
7-15	83.1	28.15	asse Y	asse X
7-16	83.14	77.14	asse Y	asse X
8-1	104.35	20.85	asse Y	asse X
8-2	76.47	252.92	asse Y	asse X
9-1	95.85	86.31	asse Y	asse X
10-1	89.16	91.95	asse Y	asse X
10-2	102.69	80.56	asse Y	asse X
11-1	95.86	80.27	asse Y	asse X
11-2	95.85	92.35	asse Y	asse X
15-1	111.83	17.92	asse Y	asse X
15-2	111.83	17.94	asse Y	asse X
15-3	110.37	11.1	asse Y	asse X
15-4	110.37	11.11	asse Y	asse X
15-5	111.89	79.72	asse Y	asse X
15-6	111.9	79.71	asse Y	asse X
15-7	110.43	86.45	asse Y	asse X
15-8	110.43	86.44	asse Y	asse X
15-9	79.89	18.62	asse Y	asse X
15-10	79.89	18.63	asse Y	asse X
15-11	78.45	11.8	asse Y	asse X
15-12	78.45	11.81	asse Y	asse X
15-13	79.97	79.02	asse Y	asse X
15-14	79.97	79.01	asse Y	asse X
15-15	78.54	85.75	asse Y	asse X
15-16	78.54	85.74	asse Y	asse X
16-1	102.37	8.09	asse Y	asse X
16-2	102.4	37.42	asse Y	asse X
16-3	92.78	7.89	asse Y	asse X
16-4	92.81	37.21	asse Y	asse X
16-5	102.38	8.06	asse Y	asse X
16-6	102.4	37.39	asse Y	asse X
16-7	92.78	7.85	asse Y	asse X
16-8	92.81	37.18	asse Y	asse X
16-9	97.53	30.73	asse Y	asse X
16-10	97.55	59.96	asse Y	asse X
16-11	87.97	30.52	asse Y	asse X
16-12	87.99	59.75	asse Y	asse X
16-13	97.53	30.7	asse Y	asse X
16-14	97.55	59.93	asse Y	asse X
16-15	87.97	30.49	asse Y	asse X
16-16	87.99	59.72	asse Y	asse X

Capacità portante.

Le seguenti tabelle elencano il valore dell'angolo di resistenza al taglio, del peso di volume alleggerito, della coesione efficace, del sovraccarico alleggerito, e dei fattori e coefficienti introdotti nel calcolo della capacità portante.

Caso	γ_φ	γ_γ	φ [°]	γ' [daN/cm^3]	N_γ	s_γ	d_γ	$i_{b\gamma}$	$i_{l\gamma}$	b_γ	g_γ	h_γ	$q'_{lim,\gamma}$ [daN/cm^2]
1-1	1.00	1.00	37.5	0.00186	71.94	1.21	1.00	1.00	1.00	1.00	1.00	0.75	132.69
2-1	1.00	1.00	37.5	0.00186	71.91	1.20	1.00	0.98	0.98	1.00	1.00	-	168.19
2-2	1.00	1.00	37.5	0.00186	71.91	1.21	1.00	0.97	0.98	1.00	1.00	-	170.15
3-1	1.00	1.00	37.5	0.00186	71.91	1.21	1.00	0.98	1.00	1.00	1.00	-	173.14
3-2	1.00	1.00	37.5	0.00186	71.91	1.20	1.00	0.98	1.00	1.00	1.00	-	171.06
4-1	1.00	1.00	37.5	0.00186	72.03	1.21	1.00	0.67	0.87	1.00	1.00	0.84	89.01
4-2	1.00	1.00	37.5	0.00186	72.03	1.21	1.00	0.67	0.87	1.00	1.00	0.84	89.01
4-3	1.00	1.00	37.5	0.00186	72.09	1.22	1.00	0.75	0.87	1.00	1.00	0.84	101.66
4-4	1.00	1.00	37.5	0.00186	72.09	1.22	1.00	0.75	0.87	1.00	1.00	0.84	101.66
4-5	1.00	1.00	37.5	0.00186	71.79	1.20	1.00	0.74	0.87	1.00	1.00	0.84	92.37
4-6	1.00	1.00	37.5	0.00186	71.79	1.20	1.00	0.74	0.87	1.00	1.00	0.84	92.37
4-7	1.00	1.00	37.5	0.00186	71.73	1.20	1.00	0.66	0.87	1.00	1.00	0.84	81.95
4-8	1.00	1.00	37.5	0.00186	71.73	1.20	1.00	0.66	0.87	1.00	1.00	0.84	81.95
4-9	1.00	1.00	37.5	0.00186	72.03	1.21	1.00	0.66	0.87	1.00	1.00	0.84	88.11
4-10	1.00	1.00	37.5	0.00186	72.03	1.21	1.00	0.66	0.87	1.00	1.00	0.84	88.11
4-11	1.00	1.00	37.5	0.00186	72.08	1.21	1.00	0.74	0.87	1.00	1.00	0.84	99.36
4-12	1.00	1.00	37.5	0.00186	72.08	1.21	1.00	0.74	0.87	1.00	1.00	0.84	99.36
4-13	1.00	1.00	37.5	0.00186	71.80	1.20	1.00	0.75	0.87	1.00	1.00	0.84	93.68
4-14	1.00	1.00	37.5	0.00186	71.80	1.20	1.00	0.75	0.87	1.00	1.00	0.84	93.68
4-15	1.00	1.00	37.5	0.00186	71.74	1.20	1.00	0.67	0.87	1.00	1.00	0.84	82.03
4-16	1.00	1.00	37.5	0.00186	71.74	1.20	1.00	0.67	0.87	1.00	1.00	0.84	82.03
5-1	1.25	1.00	31.5	0.00186	28.05	1.17	1.00	0.67	0.87	1.00	1.00	0.84	33.19
5-2	1.25	1.00	31.5	0.00186	28.05	1.17	1.00	0.67	0.87	1.00	1.00	0.84	33.19
5-3	1.25	1.00	31.5	0.00186	28.07	1.17	1.00	0.75	0.87	1.00	1.00	0.84	37.9
5-4	1.25	1.00	31.5	0.00186	28.07	1.17	1.00	0.75	0.87	1.00	1.00	0.84	37.89
5-5	1.25	1.00	31.5	0.00186	27.94	1.16	1.00	0.74	0.87	1.00	1.00	0.84	34.48
5-6	1.25	1.00	31.5	0.00186	27.94	1.16	1.00	0.74	0.87	1.00	1.00	0.84	34.48
5-7	1.25	1.00	31.5	0.00186	27.92	1.16	1.00	0.66	0.87	1.00	1.00	0.84	30.61
5-8	1.25	1.00	31.5	0.00186	27.92	1.16	1.00	0.66	0.87	1.00	1.00	0.84	30.61
5-9	1.25	1.00	31.5	0.00186	28.05	1.16	1.00	0.66	0.87	1.00	1.00	0.84	32.88
5-10	1.25	1.00	31.5	0.00186	28.05	1.16	1.00	0.66	0.87	1.00	1.00	0.84	32.88
5-11	1.25	1.00	31.5	0.00186	28.07	1.16	1.00	0.74	0.87	1.00	1.00	0.84	37.07
5-12	1.25	1.00	31.5	0.00186	28.07	1.16	1.00	0.74	0.87	1.00	1.00	0.84	37.07
5-13	1.25	1.00	31.5	0.00186	27.94	1.15	1.00	0.75	0.87	1.00	1.00	0.84	35
5-14	1.25	1.00	31.5	0.00186	27.94	1.15	1.00	0.75	0.87	1.00	1.00	0.84	35
5-15	1.25	1.00	31.5	0.00186	27.92	1.15	1.00	0.67	0.87	1.00	1.00	0.84	30.66
5-16	1.25	1.00	31.5	0.00186	27.92	1.15	1.00	0.67	0.87	1.00	1.00	0.84	30.66
6-1	1.00	1.00	37.5	0.00186	72.24	1.22	1.00	0.76	0.95	1.00	1.00	0.84	116.15
6-2	1.00	1.00	37.5	0.00186	72.10	1.22	1.00	0.94	0.95	1.00	1.00	0.84	138.78
6-3	1.00	1.00	37.5	0.00186	72.24	1.22	1.00	0.76	0.97	1.00	1.00	0.84	118.1
6-4	1.00	1.00	37.5	0.00186	72.10	1.21	1.00	0.93	0.97	1.00	1.00	0.84	141.27
6-5	1.00	1.00	37.5	0.00186	72.24	1.22	1.00	0.76	0.95	1.00	1.00	0.84	116.14
6-6	1.00	1.00	37.5	0.00186	72.10	1.22	1.00	0.94	0.95	1.00	1.00	0.84	138.79
6-7	1.00	1.00	37.5	0.00186	72.24	1.22	1.00	0.76	0.97	1.00	1.00	0.84	118.09
6-8	1.00	1.00	37.5	0.00186	72.10	1.21	1.00	0.93	0.97	1.00	1.00	0.84	141.27
6-9	1.00	1.00	37.5	0.00186	72.15	1.22	1.00	0.93	0.97	1.00	1.00	0.84	143.13
6-10	1.00	1.00	37.5	0.00186	71.91	1.21	1.00	0.76	0.97	1.00	1.00	0.84	109.69
6-11	1.00	1.00	37.5	0.00186	72.15	1.22	1.00	0.94	0.95	1.00	1.00	0.84	140.37
6-12	1.00	1.00	37.5	0.00186	71.91	1.21	1.00	0.76	0.95	1.00	1.00	0.84	107.61
6-13	1.00	1.00	37.5	0.00186	72.15	1.22	1.00	0.93	0.97	1.00	1.00	0.84	143.14
6-14	1.00	1.00	37.5	0.00186	71.91	1.21	1.00	0.76	0.97	1.00	1.00	0.84	109.7
6-15	1.00	1.00	37.5	0.00186	72.16	1.22	1.00	0.94	0.95	1.00	1.00	0.84	140.38
6-16	1.00	1.00	37.5	0.00186	71.91	1.21	1.00	0.76	0.95	1.00	1.00	0.84	107.61
7-1	1.25	1.00	31.5	0.00186	28.13	1.17	1.00	0.76	0.95	1.00	1.00	0.84	43.26
7-2	1.25	1.00	31.5	0.00186	28.07	1.17	1.00	0.94	0.95	1.00	1.00	0.84	51.74
7-3	1.25	1.00	31.5	0.00186	28.12	1.17	1.00	0.76	0.97	1.00	1.00	0.84	44
7-4	1.25	1.00	31.5	0.00186	28.07	1.17	1.00	0.93	0.97	1.00	1.00	0.84	52.68
7-5	1.25	1.00	31.5	0.00186	28.13	1.17	1.00	0.76	0.95	1.00	1.00	0.84	43.26
7-6	1.25	1.00	31.5	0.00186	28.07	1.17	1.00	0.94	0.95	1.00	1.00	0.84	51.74
7-7	1.25	1.00	31.5	0.00186	28.12	1.17	1.00	0.76	0.97	1.00	1.00	0.84	43.99
7-8	1.25	1.00	31.5	0.00186	28.07	1.17	1.00	0.93	0.97	1.00	1.00	0.84	52.68
7-9	1.25	1.00	31.5	0.00186	28.09	1.17	1.00	0.93	0.97	1.00	1.00	0.84	53.35
7-10	1.25	1.00	31.5	0.00186	28.00	1.16	1.00	0.76	0.97	1.00	1.00	0.84	40.95
7-11	1.25	1.00	31.5	0.00186	28.09	1.17	1.00	0.94	0.95	1.00	1.00	0.84	52.33
7-12	1.25	1.00	31.5	0.00186	28.00	1.16	1.00	0.76	0.95	1.00	1.00	0.84	40.18
7-13	1.25	1.00	31.5	0.00186	28.09	1.17	1.00	0.93	0.97	1.00	1.00	0.84	53.35
7-14	1.25	1.00	31.5	0.00186	28.00	1.16	1.00	0.76	0.97	1.00	1.00	0.84	40.96
7-15	1.25	1.00	31.5	0.00186	28.09	1.17	1.00	0.94	0.95	1.00	1.00	0.84	52.34

7-16	1.25	1.00	31.5	0.00186	28.00	1.16	1.00	0.76	0.95	1.00	1.00	0.84	40.19
8-1	1.00	1.00	37.5	0.00186	72.19	1.22	1.00	0.92	0.93	1.00	1.00	-	161.33
8-2	1.00	1.00	37.4	0.00186	70.92	1.17	1.00	0.84	0.86	1.00	1.00	-	102.53
9-1	1.25	1.00	31.5	0.00186	27.99	1.16	1.00	1.00	1.00	1.00	1.00	-	65.77
10-1	1.25	1.00	31.5	0.00186	27.98	1.16	1.00	0.97	0.98	1.00	1.00	-	62.46
10-2	1.25	1.00	31.5	0.00186	28.00	1.16	1.00	0.97	0.98	1.00	1.00	-	63.25
11-1	1.25	1.00	31.5	0.00186	28.00	1.16	1.00	0.97	1.00	1.00	1.00	-	64.46
11-2	1.25	1.00	31.5	0.00186	27.98	1.16	1.00	0.97	1.00	1.00	1.00	-	63.6
15-1	-	-	37.5	0.00186	72.20	1.22	1.00	0.79	0.92	1.00	1.00	0.95	130.6
15-2	-	-	37.5	0.00186	72.20	1.22	1.00	0.79	0.92	1.00	1.00	0.95	130.6
15-3	-	-	37.5	0.00186	72.24	1.22	1.00	0.84	0.92	1.00	1.00	0.95	140.76
15-4	-	-	37.5	0.00186	72.24	1.22	1.00	0.84	0.92	1.00	1.00	0.95	140.76
15-5	-	-	37.5	0.00186	71.95	1.21	1.00	0.84	0.92	1.00	1.00	0.95	129.21
15-6	-	-	37.5	0.00186	71.95	1.21	1.00	0.84	0.92	1.00	1.00	0.95	129.21
15-7	-	-	37.5	0.00186	71.92	1.21	1.00	0.79	0.92	1.00	1.00	0.95	120.77
15-8	-	-	37.5	0.00186	71.92	1.21	1.00	0.79	0.92	1.00	1.00	0.95	120.77
15-9	-	-	37.5	0.00186	72.20	1.22	1.00	0.79	0.92	1.00	1.00	0.95	129.87
15-10	-	-	37.5	0.00186	72.20	1.22	1.00	0.79	0.92	1.00	1.00	0.95	129.87
15-11	-	-	37.5	0.00186	72.23	1.22	1.00	0.84	0.92	1.00	1.00	0.95	138.91
15-12	-	-	37.5	0.00186	72.23	1.22	1.00	0.84	0.92	1.00	1.00	0.95	138.91
15-13	-	-	37.5	0.00186	71.90	1.21	1.00	0.84	0.92	1.00	1.00	0.95	130.14
15-14	-	-	37.5	0.00186	71.90	1.21	1.00	0.84	0.92	1.00	1.00	0.95	130.14
15-15	-	-	37.5	0.00186	71.92	1.20	1.00	0.79	0.92	1.00	1.00	0.95	120.81
15-16	-	-	37.5	0.00186	71.92	1.20	1.00	0.79	0.92	1.00	1.00	0.95	120.81
16-1	-	-	37.5	0.00186	72.25	1.22	1.00	0.85	0.97	1.00	1.00	0.95	149.55
16-2	-	-	37.5	0.00186	72.11	1.22	1.00	0.96	0.97	1.00	1.00	0.95	163.71
16-3	-	-	37.5	0.00186	72.25	1.22	1.00	0.85	0.98	1.00	1.00	0.95	151.11
16-4	-	-	37.5	0.00186	72.11	1.21	1.00	0.96	0.98	1.00	1.00	0.95	165.43
16-5	-	-	37.5	0.00186	72.25	1.22	1.00	0.85	0.97	1.00	1.00	0.95	149.56
16-6	-	-	37.5	0.00186	72.11	1.22	1.00	0.96	0.97	1.00	1.00	0.95	163.71
16-7	-	-	37.5	0.00186	72.25	1.22	1.00	0.85	0.98	1.00	1.00	0.95	151.12
16-8	-	-	37.5	0.00186	72.11	1.21	1.00	0.96	0.98	1.00	1.00	0.95	165.44
16-9	-	-	37.5	0.00186	72.14	1.22	1.00	0.96	0.98	1.00	1.00	0.95	166.71
16-10	-	-	37.5	0.00186	72.00	1.21	1.00	0.85	0.98	1.00	1.00	0.95	142.77
16-11	-	-	37.5	0.00186	72.14	1.22	1.00	0.96	0.97	1.00	1.00	0.95	164.79
16-12	-	-	37.5	0.00186	72.00	1.21	1.00	0.85	0.97	1.00	1.00	0.95	141.14
16-13	-	-	37.5	0.00186	72.14	1.22	1.00	0.96	0.98	1.00	1.00	0.95	166.71
16-14	-	-	37.5	0.00186	72.00	1.21	1.00	0.85	0.98	1.00	1.00	0.95	142.77
16-15	-	-	37.5	0.00186	72.14	1.22	1.00	0.96	0.97	1.00	1.00	0.95	164.8
16-16	-	-	37.5	0.00186	72.00	1.21	1.00	0.85	0.97	1.00	1.00	0.95	141.14

Caso	$\gamma_{c'}$	c' [daN/cm^2]	N_c	s_c	d_c	i_{bc}	i_{lc}	b_c	g_c	h_c	$q'_{lim,c}$ [daN/cm^2]
1-1	1.00	0	58.45	1.41	1.00	1.00	1.00	1.00	1.00	0.87	0
2-1	1.00	0	58.43	1.41	1.00	0.98	0.99	1.00	1.00	-	0
2-2	1.00	0	58.43	1.42	1.00	0.98	0.99	1.00	1.00	-	0
3-1	1.00	0	58.44	1.41	1.00	0.98	1.00	1.00	1.00	-	0
3-2	1.00	0	58.43	1.41	1.00	0.98	1.00	1.00	1.00	-	0
4-1	1.00	0	58.49	1.43	1.00	0.77	0.92	1.00	1.00	0.92	0
4-2	1.00	0	58.49	1.43	1.00	0.77	0.92	1.00	1.00	0.92	0
4-3	1.00	0	58.52	1.43	1.00	0.83	0.92	1.00	1.00	0.92	0
4-4	1.00	0	58.52	1.43	1.00	0.83	0.92	1.00	1.00	0.92	0
4-5	1.00	0	58.38	1.41	1.00	0.82	0.92	1.00	1.00	0.92	0
4-6	1.00	0	58.38	1.41	1.00	0.82	0.92	1.00	1.00	0.92	0
4-7	1.00	0	58.35	1.40	1.00	0.77	0.92	1.00	1.00	0.92	0
4-8	1.00	0	58.35	1.40	1.00	0.77	0.92	1.00	1.00	0.92	0
4-9	1.00	0	58.49	1.42	1.00	0.77	0.92	1.00	1.00	0.92	0
4-10	1.00	0	58.49	1.42	1.00	0.77	0.92	1.00	1.00	0.92	0
4-11	1.00	0	58.52	1.42	1.00	0.82	0.92	1.00	1.00	0.92	0
4-12	1.00	0	58.52	1.42	1.00	0.82	0.92	1.00	1.00	0.92	0
4-13	1.00	0	58.38	1.40	1.00	0.83	0.92	1.00	1.00	0.92	0
4-14	1.00	0	58.38	1.40	1.00	0.83	0.92	1.00	1.00	0.92	0
4-15	1.00	0	58.35	1.39	1.00	0.77	0.92	1.00	1.00	0.92	0
4-16	1.00	0	58.35	1.39	1.00	0.77	0.92	1.00	1.00	0.92	0
5-1	1.25	0	34.06	1.33	1.00	0.77	0.92	1.00	1.00	0.93	0
5-2	1.25	0	34.06	1.33	1.00	0.77	0.92	1.00	1.00	0.93	0
5-3	1.25	0	34.08	1.34	1.00	0.83	0.92	1.00	1.00	0.93	0
5-4	1.25	0	34.08	1.34	1.00	0.83	0.92	1.00	1.00	0.93	0
5-5	1.25	0	33.99	1.31	1.00	0.82	0.92	1.00	1.00	0.93	0
5-6	1.25	0	33.99	1.31	1.00	0.82	0.92	1.00	1.00	0.93	0
5-7	1.25	0	33.97	1.31	1.00	0.76	0.92	1.00	1.00	0.93	0
5-8	1.25	0	33.97	1.31	1.00	0.76	0.92	1.00	1.00	0.93	0
5-9	1.25	0	34.06	1.32	1.00	0.76	0.92	1.00	1.00	0.93	0
5-10	1.25	0	34.06	1.32	1.00	0.76	0.92	1.00	1.00	0.93	0
5-11	1.25	0	34.07	1.33	1.00	0.82	0.92	1.00	1.00	0.93	0
5-12	1.25	0	34.07	1.33	1.00	0.82	0.92	1.00	1.00	0.93	0
5-13	1.25	0	33.99	1.31	1.00	0.82	0.92	1.00	1.00	0.93	0

5-14	1.25	0	33.99	1.31	1.00	0.82	0.92	1.00	1.00	0.93	0
5-15	1.25	0	33.98	1.30	1.00	0.76	0.92	1.00	1.00	0.93	0
5-16	1.25	0	33.98	1.30	1.00	0.76	0.92	1.00	1.00	0.93	0
6-1	1.00	0	58.59	1.44	1.00	0.84	0.97	1.00	1.00	0.92	0
6-2	1.00	0	58.52	1.43	1.00	0.96	0.97	1.00	1.00	0.92	0
6-3	1.00	0	58.59	1.44	1.00	0.84	0.98	1.00	1.00	0.92	0
6-4	1.00	0	58.53	1.43	1.00	0.96	0.98	1.00	1.00	0.92	0
6-5	1.00	0	58.59	1.44	1.00	0.84	0.97	1.00	1.00	0.92	0
6-6	1.00	0	58.53	1.43	1.00	0.96	0.97	1.00	1.00	0.92	0
6-7	1.00	0	58.59	1.44	1.00	0.84	0.98	1.00	1.00	0.92	0
6-8	1.00	0	58.53	1.43	1.00	0.96	0.98	1.00	1.00	0.92	0
6-9	1.00	0	58.55	1.43	1.00	0.96	0.98	1.00	1.00	0.92	0
6-10	1.00	0	58.43	1.41	1.00	0.84	0.98	1.00	1.00	0.92	0
6-11	1.00	0	58.55	1.43	1.00	0.96	0.97	1.00	1.00	0.92	0
6-12	1.00	0	58.43	1.41	1.00	0.84	0.97	1.00	1.00	0.92	0
6-13	1.00	0	58.55	1.43	1.00	0.96	0.98	1.00	1.00	0.92	0
6-14	1.00	0	58.43	1.41	1.00	0.84	0.98	1.00	1.00	0.92	0
6-15	1.00	0	58.55	1.43	1.00	0.96	0.97	1.00	1.00	0.92	0
6-16	1.00	0	58.43	1.41	1.00	0.84	0.97	1.00	1.00	0.92	0
7-1	1.25	0	34.11	1.34	1.00	0.83	0.97	1.00	1.00	0.93	0
7-2	1.25	0	34.08	1.33	1.00	0.96	0.97	1.00	1.00	0.93	0
7-3	1.25	0	34.11	1.34	1.00	0.83	0.98	1.00	1.00	0.93	0
7-4	1.25	0	34.08	1.33	1.00	0.96	0.98	1.00	1.00	0.93	0
7-5	1.25	0	34.11	1.34	1.00	0.83	0.97	1.00	1.00	0.93	0
7-6	1.25	0	34.08	1.33	1.00	0.96	0.97	1.00	1.00	0.93	0
7-7	1.25	0	34.11	1.34	1.00	0.83	0.98	1.00	1.00	0.93	0
7-8	1.25	0	34.08	1.33	1.00	0.96	0.98	1.00	1.00	0.93	0
7-9	1.25	0	34.09	1.34	1.00	0.96	0.98	1.00	1.00	0.93	0
7-10	1.25	0	34.03	1.32	1.00	0.83	0.98	1.00	1.00	0.93	0
7-11	1.25	0	34.09	1.33	1.00	0.96	0.97	1.00	1.00	0.93	0
7-12	1.25	0	34.03	1.32	1.00	0.83	0.97	1.00	1.00	0.93	0
7-13	1.25	0	34.09	1.34	1.00	0.96	0.98	1.00	1.00	0.93	0
7-14	1.25	0	34.03	1.32	1.00	0.83	0.98	1.00	1.00	0.93	0
7-15	1.25	0	34.09	1.33	1.00	0.96	0.97	1.00	1.00	0.93	0
7-16	1.25	0	34.03	1.32	1.00	0.83	0.97	1.00	1.00	0.93	0
8-1	1.00	0	58.57	1.44	1.00	0.95	0.96	1.00	1.00	-	0
8-2	1.00	0	57.95	1.34	1.00	0.89	0.91	1.00	1.00	-	0
9-1	1.25	0	34.02	1.32	1.00	1.00	1.00	1.00	1.00	-	0
10-1	1.25	0	34.01	1.32	1.00	0.98	0.99	1.00	1.00	-	0
10-2	1.25	0	34.03	1.32	1.00	0.98	0.99	1.00	1.00	-	0
11-1	1.25	0	34.03	1.32	1.00	0.98	1.00	1.00	1.00	-	0
11-2	1.25	0	34.01	1.32	1.00	0.98	1.00	1.00	1.00	-	0
15-1	-	0	58.58	1.44	1.00	0.86	0.95	1.00	1.00	0.97	0
15-2	-	0	58.58	1.44	1.00	0.86	0.95	1.00	1.00	0.97	0
15-3	-	0	58.59	1.44	1.00	0.90	0.95	1.00	1.00	0.97	0
15-4	-	0	58.59	1.44	1.00	0.90	0.95	1.00	1.00	0.97	0
15-5	-	0	58.45	1.42	1.00	0.89	0.95	1.00	1.00	0.97	0
15-6	-	0	58.45	1.42	1.00	0.89	0.95	1.00	1.00	0.97	0
15-7	-	0	58.44	1.41	1.00	0.86	0.95	1.00	1.00	0.97	0
15-8	-	0	58.44	1.41	1.00	0.86	0.95	1.00	1.00	0.97	0
15-9	-	0	58.57	1.43	1.00	0.86	0.95	1.00	1.00	0.97	0
15-10	-	0	58.57	1.43	1.00	0.86	0.95	1.00	1.00	0.97	0
15-11	-	0	58.59	1.44	1.00	0.89	0.95	1.00	1.00	0.97	0
15-12	-	0	58.59	1.44	1.00	0.89	0.95	1.00	1.00	0.97	0
15-13	-	0	58.43	1.41	1.00	0.90	0.95	1.00	1.00	0.97	0
15-14	-	0	58.43	1.41	1.00	0.90	0.95	1.00	1.00	0.97	0
15-15	-	0	58.44	1.41	1.00	0.86	0.95	1.00	1.00	0.97	0
15-16	-	0	58.44	1.41	1.00	0.86	0.95	1.00	1.00	0.97	0
16-1	-	0	58.60	1.44	1.00	0.90	0.98	1.00	1.00	0.97	0
16-2	-	0	58.53	1.43	1.00	0.98	0.98	1.00	1.00	0.97	0
16-3	-	0	58.60	1.44	1.00	0.90	0.99	1.00	1.00	0.97	0
16-4	-	0	58.53	1.43	1.00	0.97	0.99	1.00	1.00	0.97	0
16-5	-	0	58.60	1.44	1.00	0.90	0.98	1.00	1.00	0.97	0
16-6	-	0	58.53	1.43	1.00	0.98	0.98	1.00	1.00	0.97	0
16-7	-	0	58.60	1.44	1.00	0.90	0.99	1.00	1.00	0.97	0
16-8	-	0	58.53	1.43	1.00	0.97	0.99	1.00	1.00	0.97	0
16-9	-	0	58.55	1.43	1.00	0.97	0.99	1.00	1.00	0.97	0
16-10	-	0	58.48	1.42	1.00	0.90	0.99	1.00	1.00	0.97	0
16-11	-	0	58.55	1.43	1.00	0.98	0.98	1.00	1.00	0.97	0
16-12	-	0	58.48	1.42	1.00	0.90	0.98	1.00	1.00	0.97	0
16-13	-	0	58.55	1.43	1.00	0.97	0.99	1.00	1.00	0.97	0
16-14	-	0	58.48	1.42	1.00	0.90	0.99	1.00	1.00	0.97	0
16-15	-	0	58.55	1.43	1.00	0.98	0.98	1.00	1.00	0.97	0
16-16	-	0	58.48	1.42	1.00	0.90	0.98	1.00	1.00	0.97	0
Caso	q' [daN/cm^2]	N_q	s_q	d_q	i_{bq}	i_{iq}	b_q	g_q	h_q	$q'_{lim,q}$ [daN/cm^2]	

1-1	0.02	45.86	1.21	1.00	1.00	1.00	1.00	1.00	0.84	0.86
2-1	0.02	45.85	1.20	1.00	0.98	0.99	1.00	1.00	-	1
2-2	0.02	45.85	1.21	1.00	0.98	0.99	1.00	1.00	-	1
3-1	0.02	45.85	1.21	1.00	0.98	1.00	1.00	1.00	-	1.01
3-2	0.02	45.85	1.20	1.00	0.98	1.00	1.00	1.00	-	1.01
4-1	0.02	45.91	1.21	1.00	0.78	0.92	1.00	1.00	0.90	0.67
4-2	0.02	45.91	1.21	1.00	0.78	0.92	1.00	1.00	0.90	0.67
4-3	0.02	45.94	1.22	1.00	0.83	0.92	1.00	1.00	0.90	0.72
4-4	0.02	45.94	1.22	1.00	0.83	0.92	1.00	1.00	0.90	0.72
4-5	0.02	45.79	1.20	1.00	0.83	0.92	1.00	1.00	0.90	0.7
4-6	0.02	45.79	1.20	1.00	0.83	0.92	1.00	1.00	0.90	0.7
4-7	0.02	45.76	1.20	1.00	0.77	0.93	1.00	1.00	0.90	0.65
4-8	0.02	45.76	1.20	1.00	0.77	0.93	1.00	1.00	0.90	0.65
4-9	0.02	45.91	1.21	1.00	0.77	0.92	1.00	1.00	0.90	0.66
4-10	0.02	45.91	1.21	1.00	0.77	0.92	1.00	1.00	0.90	0.66
4-11	0.02	45.94	1.21	1.00	0.83	0.92	1.00	1.00	0.90	0.71
4-12	0.02	45.94	1.21	1.00	0.83	0.92	1.00	1.00	0.90	0.71
4-13	0.02	45.79	1.20	1.00	0.83	0.93	1.00	1.00	0.90	0.7
4-14	0.02	45.79	1.20	1.00	0.83	0.93	1.00	1.00	0.90	0.7
4-15	0.02	45.76	1.20	1.00	0.78	0.92	1.00	1.00	0.90	0.65
4-16	0.02	45.76	1.20	1.00	0.78	0.92	1.00	1.00	0.90	0.65
5-1	0.02	21.88	1.17	1.00	0.78	0.92	1.00	1.00	0.90	0.31
5-2	0.02	21.88	1.17	1.00	0.78	0.92	1.00	1.00	0.90	0.31
5-3	0.02	21.89	1.17	1.00	0.83	0.92	1.00	1.00	0.90	0.33
5-4	0.02	21.89	1.17	1.00	0.83	0.92	1.00	1.00	0.90	0.33
5-5	0.02	21.81	1.16	1.00	0.83	0.92	1.00	1.00	0.90	0.32
5-6	0.02	21.81	1.16	1.00	0.83	0.92	1.00	1.00	0.90	0.32
5-7	0.02	21.80	1.16	1.00	0.77	0.93	1.00	1.00	0.90	0.3
5-8	0.02	21.80	1.16	1.00	0.77	0.93	1.00	1.00	0.90	0.3
5-9	0.02	21.88	1.16	1.00	0.77	0.92	1.00	1.00	0.90	0.3
5-10	0.02	21.88	1.16	1.00	0.77	0.92	1.00	1.00	0.90	0.3
5-11	0.02	21.89	1.16	1.00	0.83	0.92	1.00	1.00	0.90	0.33
5-12	0.02	21.89	1.16	1.00	0.83	0.92	1.00	1.00	0.90	0.33
5-13	0.02	21.81	1.15	1.00	0.83	0.93	1.00	1.00	0.90	0.32
5-14	0.02	21.81	1.15	1.00	0.83	0.93	1.00	1.00	0.90	0.32
5-15	0.02	21.80	1.15	1.00	0.78	0.92	1.00	1.00	0.90	0.3
5-16	0.02	21.80	1.15	1.00	0.78	0.92	1.00	1.00	0.90	0.3
6-1	0.02	46.02	1.22	1.00	0.84	0.97	1.00	1.00	0.90	0.77
6-2	0.02	45.94	1.22	1.00	0.96	0.97	1.00	1.00	0.90	0.87
6-3	0.02	46.02	1.22	1.00	0.84	0.98	1.00	1.00	0.90	0.77
6-4	0.02	45.94	1.21	1.00	0.96	0.98	1.00	1.00	0.90	0.88
6-5	0.02	46.02	1.22	1.00	0.84	0.97	1.00	1.00	0.90	0.77
6-6	0.02	45.94	1.22	1.00	0.96	0.97	1.00	1.00	0.90	0.87
6-7	0.02	46.02	1.22	1.00	0.84	0.98	1.00	1.00	0.90	0.77
6-8	0.02	45.94	1.21	1.00	0.96	0.98	1.00	1.00	0.90	0.88
6-9	0.02	45.97	1.22	1.00	0.96	0.98	1.00	1.00	0.90	0.88
6-10	0.02	45.85	1.21	1.00	0.84	0.98	1.00	1.00	0.90	0.76
6-11	0.02	45.97	1.22	1.00	0.96	0.97	1.00	1.00	0.90	0.87
6-12	0.02	45.85	1.21	1.00	0.84	0.97	1.00	1.00	0.90	0.75
6-13	0.02	45.97	1.22	1.00	0.96	0.98	1.00	1.00	0.90	0.88
6-14	0.02	45.85	1.21	1.00	0.84	0.98	1.00	1.00	0.90	0.76
6-15	0.02	45.97	1.22	1.00	0.96	0.97	1.00	1.00	0.90	0.87
6-16	0.02	45.85	1.21	1.00	0.84	0.97	1.00	1.00	0.90	0.75
7-1	0.02	21.93	1.17	1.00	0.84	0.97	1.00	1.00	0.90	0.35
7-2	0.02	21.89	1.17	1.00	0.96	0.97	1.00	1.00	0.90	0.4
7-3	0.02	21.93	1.17	1.00	0.84	0.98	1.00	1.00	0.90	0.35
7-4	0.02	21.89	1.17	1.00	0.96	0.98	1.00	1.00	0.90	0.4
7-5	0.02	21.93	1.17	1.00	0.84	0.97	1.00	1.00	0.90	0.35
7-6	0.02	21.89	1.17	1.00	0.96	0.97	1.00	1.00	0.90	0.4
7-7	0.02	21.93	1.17	1.00	0.84	0.98	1.00	1.00	0.90	0.35
7-8	0.02	21.89	1.17	1.00	0.96	0.98	1.00	1.00	0.90	0.4
7-9	0.02	21.91	1.17	1.00	0.96	0.98	1.00	1.00	0.90	0.4
7-10	0.02	21.85	1.16	1.00	0.84	0.98	1.00	1.00	0.90	0.35
7-11	0.02	21.91	1.17	1.00	0.96	0.97	1.00	1.00	0.90	0.4
7-12	0.02	21.85	1.16	1.00	0.84	0.97	1.00	1.00	0.90	0.35
7-13	0.02	21.91	1.17	1.00	0.96	0.98	1.00	1.00	0.90	0.4
7-14	0.02	21.85	1.16	1.00	0.84	0.98	1.00	1.00	0.90	0.35
7-15	0.02	21.91	1.17	1.00	0.96	0.97	1.00	1.00	0.90	0.4
7-16	0.02	21.85	1.16	1.00	0.84	0.97	1.00	1.00	0.90	0.35
8-1	0.02	45.99	1.22	1.00	0.95	0.96	1.00	1.00	-	0.94
8-2	0.02	45.34	1.17	1.00	0.90	0.92	1.00	1.00	-	0.81
9-1	0.02	21.84	1.16	1.00	1.00	1.00	1.00	1.00	-	0.47
10-1	0.02	21.84	1.16	1.00	0.98	0.99	1.00	1.00	-	0.46
10-2	0.02	21.85	1.16	1.00	0.98	0.99	1.00	1.00	-	0.46
11-1	0.02	21.85	1.16	1.00	0.98	1.00	1.00	1.00	-	0.46

11-2	0.02	21.84	1.16	1.00	0.98	1.00	1.00	1.00	-	0.46
15-1	0.02	46.00	1.22	1.00	0.86	0.95	1.00	1.00	0.97	0.83
15-2	0.02	46.00	1.22	1.00	0.86	0.95	1.00	1.00	0.97	0.83
15-3	0.02	46.01	1.22	1.00	0.90	0.95	1.00	1.00	0.97	0.86
15-4	0.02	46.01	1.22	1.00	0.90	0.95	1.00	1.00	0.97	0.86
15-5	0.02	45.87	1.21	1.00	0.90	0.95	1.00	1.00	0.97	0.85
15-6	0.02	45.87	1.21	1.00	0.90	0.95	1.00	1.00	0.97	0.85
15-7	0.02	45.85	1.21	1.00	0.86	0.96	1.00	1.00	0.97	0.81
15-8	0.02	45.85	1.21	1.00	0.86	0.96	1.00	1.00	0.97	0.81
15-9	0.02	45.99	1.22	1.00	0.86	0.95	1.00	1.00	0.97	0.82
15-10	0.02	45.99	1.22	1.00	0.86	0.95	1.00	1.00	0.97	0.82
15-11	0.02	46.01	1.22	1.00	0.90	0.95	1.00	1.00	0.97	0.86
15-12	0.02	46.01	1.22	1.00	0.90	0.95	1.00	1.00	0.97	0.86
15-13	0.02	45.84	1.21	1.00	0.90	0.96	1.00	1.00	0.97	0.85
15-14	0.02	45.84	1.21	1.00	0.90	0.96	1.00	1.00	0.97	0.85
15-15	0.02	45.85	1.20	1.00	0.86	0.95	1.00	1.00	0.97	0.81
15-16	0.02	45.85	1.20	1.00	0.86	0.95	1.00	1.00	0.97	0.81
16-1	0.02	46.02	1.22	1.00	0.90	0.98	1.00	1.00	0.97	0.89
16-2	0.02	45.95	1.22	1.00	0.98	0.98	1.00	1.00	0.97	0.96
16-3	0.02	46.02	1.22	1.00	0.90	0.99	1.00	1.00	0.97	0.9
16-4	0.02	45.95	1.21	1.00	0.98	0.99	1.00	1.00	0.97	0.96
16-5	0.02	46.02	1.22	1.00	0.90	0.98	1.00	1.00	0.97	0.89
16-6	0.02	45.95	1.22	1.00	0.98	0.98	1.00	1.00	0.97	0.96
16-7	0.02	46.02	1.22	1.00	0.90	0.99	1.00	1.00	0.97	0.9
16-8	0.02	45.95	1.21	1.00	0.98	0.99	1.00	1.00	0.97	0.96
16-9	0.02	45.97	1.22	1.00	0.98	0.99	1.00	1.00	0.97	0.96
16-10	0.02	45.89	1.21	1.00	0.90	0.99	1.00	1.00	0.97	0.89
16-11	0.02	45.97	1.22	1.00	0.98	0.98	1.00	1.00	0.97	0.96
16-12	0.02	45.89	1.21	1.00	0.90	0.98	1.00	1.00	0.97	0.88
16-13	0.02	45.97	1.22	1.00	0.98	0.99	1.00	1.00	0.97	0.96
16-14	0.02	45.89	1.21	1.00	0.90	0.99	1.00	1.00	0.97	0.89
16-15	0.02	45.97	1.22	1.00	0.98	0.98	1.00	1.00	0.97	0.96
16-16	0.02	45.89	1.21	1.00	0.90	0.98	1.00	1.00	0.97	0.88

Segue il confronto fra la pressione limite ed applicata.

Caso	$\gamma_{R,v}$	q'_{lim} [daN/cm^2]	A [cm^2]	$\mathbf{R_d}$ [daN]	$\mathbf{E_d}$ [daN]	Verifica
1-1	1.00	133.55	9572938.78	1278439654.9	3625226.6	SI (1278439654.9/3625226.6 = 352.65 >= 1.0)
2-1	1.00	169.18	9553924.9	1616357567.4	3659273.6	SI (1616357567.4/3659273.6 = 441.72 >= 1.0)
2-2	1.00	171.14	9592042.5	1641628407.4	3591179.6	SI (1641628407.4/3591179.6 = 457.13 >= 1.0)
3-1	1.00	174.15	9622030.78	1675658955.4	3624910.6	SI (1675658955.4/3624910.6 = 462.26 >= 1.0)
3-2	1.00	172.07	9523855.15	1638768968.7	3625542.6	SI (1638768968.7/3625542.6 = 452.01 >= 1.0)
4-1	1.00	89.67	9704789.99	870257866.8	1993831.2	SI (870257866.8/1993831.2 = 436.48 >= 1.0)
4-2	1.00	89.67	9704632.27	870221505.6	1993812.2	SI (870221505.6/1993812.2 = 436.46 >= 1.0)
4-3	1.00	102.38	9815336.42	1004880783.5	1996949.2	SI (1004880783.5/1996949.2 = 503.21 >= 1.0)
4-4	1.00	102.38	9815179.78	1004840877.7	1996930.2	SI (1004840877.7/1996930.2 = 503.19 >= 1.0)
4-5	1.00	93.07	9206904.76	856887670.1	1995798.2	SI (856887670.1/1995798.2 = 429.35 >= 1.0)
4-6	1.00	93.07	9207040.11	856912860.4	1995779.2	SI (856912860.4/1995779.2 = 429.36 >= 1.0)
4-7	1.00	82.6	9120345.33	753351671.8	1998916.2	SI (753351671.8/1998916.2 = 376.88 >= 1.0)
4-8	1.00	82.6	9120479.84	753373123.1	1998897.2	SI (753373123.1/1998897.2 = 376.89 >= 1.0)
4-9	1.00	88.77	9935606.99	881957174.1	1993947.2	SI (881957174.1/1993947.2 = 442.32 >= 1.0)
4-10	1.00	88.77	9935447.67	881920426.6	1993928.2	SI (881920426.6/1993928.2 = 442.30 >= 1.0)
4-11	1.00	100.07	10048238.95	1005516053.9	1997065.2	SI (1005516053.9/1997065.2 = 503.50 >= 1.0)
4-12	1.00	100.07	10048081.1	1005476428.3	1997047.2	SI (1005476428.3/1997047.2 = 503.48 >= 1.0)
4-13	1.00	94.38	9445850.47	891525553.4	1995914.2	SI (891525553.4/1995914.2 = 446.68 >= 1.0)
4-14	1.00	94.38	9445991.54	891552029.8	1995895.2	SI (891552029.8/1995895.2 = 446.69 >= 1.0)
4-15	1.00	82.69	9356530.66	773653726.4	1999032.2	SI (773653726.4/1999032.2 = 387.01 >= 1.0)
4-16	1.00	82.69	9356670.83	773675871.1	1999013.2	SI (773675871.1/1999013.2 = 387.03 >= 1.0)
5-1	1.80	18.62	9704789.99	180677842	1993831.2	SI (180677842/1993831.2 = 90.62 >= 1.0)
5-2	1.80	18.62	9704632.27	180670406.7	1993812.2	SI (180670406.7/1993812.2 = 90.62 >= 1.0)
5-3	1.80	21.24	9815336.42	208523499.5	1996949.2	SI (208523499.5/1996949.2 = 104.42 >= 1.0)
5-4	1.80	21.24	9815179.78	208515347.3	1996930.2	SI (208515347.3/1996930.2 = 104.42 >= 1.0)
5-5	1.80	19.34	9206904.76	178105944.9	1995798.2	SI (178105944.9/1995798.2 = 89.24 >= 1.0)
5-6	1.80	19.35	9207040.11	178111076	1995779.2	SI (178111076/1995779.2 = 89.24 >= 1.0)
5-7	1.80	17.18	9120345.33	156673173.6	1998916.2	SI (156673173.6/1998916.2 = 78.38 >= 1.0)
5-8	1.80	17.18	9120479.84	156677543	1998897.2	SI (156677543/1998897.2 = 78.38 >= 1.0)
5-9	1.80	18.45	9935606.99	183267188.9	1993947.2	SI (183267188.9/1993947.2 = 91.91 >= 1.0)
5-10	1.80	18.45	9935447.67	183259668.4	1993928.2	SI (183259668.4/1993928.2 = 91.91 >= 1.0)
5-11	1.80	20.78	10048238.95	208841462.2	1997065.2	SI (208841462.2/1997065.2 = 104.57 >= 1.0)
5-12	1.80	20.78	10048081.1	208833361.1	1997047.2	SI (208833361.1/1997047.2 = 104.57 >= 1.0)
5-13	1.80	19.63	9445850.47	185442616.9	1995914.2	SI (185442616.9/1995914.2 = 92.91 >= 1.0)
5-14	1.80	19.63	9445991.54	185448018.2	1995895.2	SI (185448018.2/1995895.2 = 92.91 >= 1.0)
5-15	1.80	17.21	9356530.66	161015347.8	1999032.2	SI (161015347.8/1999032.2 = 80.55 >= 1.0)
5-16	1.80	17.21	9356670.83	161019864.9	1999013.2	SI (161019864.9/1999013.2 = 80.55 >= 1.0)
6-1	1.00	116.92	10155774.37	1187377262.3	1990944.2	SI (1187377262.3/1990944.2 = 596.39 >= 1.0)

6-2	1.00	139.65	9892118.66	1381448731.4	1991534.2	SI (1381448731.4/1991534.2 = 693.66 >= 1.0)
6-3	1.00	118.87	10227958.44	1215795570.1	1990979.2	SI (1215795570.1/1990979.2 = 610.65 >= 1.0)
6-4	1.00	142.14	9968489.32	1416931269.3	1991569.2	SI (1416931269.3/1991569.2 = 711.46 >= 1.0)
6-5	1.00	116.91	10155258.06	1187229484	1990881.2	SI (1187229484/1990881.2 = 596.33 >= 1.0)
6-6	1.00	139.66	9892595.34	1381596031.8	1991471.2	SI (1381596031.8/1991471.2 = 693.76 >= 1.0)
6-7	1.00	118.86	10227440.7	1215645076.8	1990916.2	SI (1215645076.8/1990916.2 = 610.60 >= 1.0)
6-8	1.00	142.15	9968972.04	1417083534.6	1991506.2	SI (1417083534.6/1991506.2 = 711.56 >= 1.0)
6-9	1.00	144.01	10027346.83	1444041220.5	2001338.2	SI (1444041220.5/2001338.2 = 721.54 >= 1.0)
6-10	1.00	110.46	9599533.17	1060316678	2001928.2	SI (1060316678/2001928.2 = 529.65 >= 1.0)
6-11	1.00	141.24	10104072.15	1427066069.6	2001373.2	SI (1427066069.6/2001373.2 = 713.04 >= 1.0)
6-12	1.00	108.36	9673103.29	1048168114.7	2001963.2	SI (1048168114.7/2001963.2 = 523.57 >= 1.0)
6-13	1.00	144.02	10027827.16	1444195115.6	2001275.2	SI (1444195115.6/2001275.2 = 721.64 >= 1.0)
6-14	1.00	110.46	9600000.38	1060424724.6	2001865.2	SI (1060424724.6/2001865.2 = 529.72 >= 1.0)
6-15	1.00	141.24	10104558.49	1427217304.2	2001310.2	SI (1427217304.2/2001310.2 = 713.14 >= 1.0)
6-16	1.00	108.36	9673576.32	1048274337.6	2001900.2	SI (1048274337.6/2001900.2 = 523.64 >= 1.0)
7-1	1.80	24.24	10155774.37	246141974.8	1990944.2	SI (246141974.8/1990944.2 = 123.63 >= 1.0)
7-2	1.80	28.98	9892118.66	286624928.8	1991534.2	SI (286624928.8/1991534.2 = 143.92 >= 1.0)
7-3	1.80	24.65	10227958.44	252096224.9	1990979.2	SI (252096224.9/1990979.2 = 126.62 >= 1.0)
7-4	1.80	29.5	9968489.32	294052369.9	1991569.2	SI (294052369.9/1991569.2 = 147.65 >= 1.0)
7-5	1.80	24.23	10155258.06	246111829	1990881.2	SI (246111829/1990881.2 = 123.62 >= 1.0)
7-6	1.80	28.98	9892595.34	286654910.4	1991471.2	SI (286654910.4/1991471.2 = 143.94 >= 1.0)
7-7	1.80	24.65	10227440.7	252065520	1990916.2	SI (252065520/1990916.2 = 126.61 >= 1.0)
7-8	1.80	29.5	9968972.04	294083378.7	1991506.2	SI (294083378.7/1991506.2 = 147.67 >= 1.0)
7-9	1.80	29.87	10027346.83	299527079.1	2001338.2	SI (299527079.1/2001338.2 = 149.66 >= 1.0)
7-10	1.80	22.95	9599533.17	220357046.8	2001928.2	SI (220357046.8/2001928.2 = 110.07 >= 1.0)
7-11	1.80	29.3	10104072.15	296081535.6	2001373.2	SI (296081535.6/2001373.2 = 147.94 >= 1.0)
7-12	1.80	22.53	9673103.29	217886742	2001963.2	SI (217886742/2001963.2 = 108.84 >= 1.0)
7-13	1.80	29.87	10027827.16	299558398.9	2001275.2	SI (299558398.9/2001275.2 = 149.68 >= 1.0)
7-14	1.80	22.96	9600000.38	220379059.7	2001865.2	SI (220379059.7/2001865.2 = 110.09 >= 1.0)
7-15	1.80	29.3	10104558.49	296112323.4	2001310.2	SI (296112323.4/2001310.2 = 147.96 >= 1.0)
7-16	1.80	22.53	9673576.32	217908390	2001900.2	SI (217908390/2001900.2 = 108.85 >= 1.0)
8-1	1.00	162.28	10070430.29	1634201493.6	1693679.6	SI (1634201493.6/1693679.6 = 964.88 >= 1.0)
8-2	1.00	103.34	8152639	842484464.4	826114.6	SI (842484464.4/826114.6 = 1 019.82 >= 1.0)
9-1	1.80	36.81	9537454.52	351026627.9	2922850.2	SI (351026627.9/2922850.2 = 120.10 >= 1.0)
10-1	1.80	34.96	9517287.1	332721099.6	2952358.2	SI (332721099.6/2952358.2 = 112.70 >= 1.0)
10-2	1.80	35.4	9557722.5	338352305.6	2893343.2	SI (338352305.6/2893343.2 = 116.94 >= 1.0)
11-1	1.80	36.07	9590208.41	345963049.8	2922576.2	SI (345963049.8/2922576.2 = 118.38 >= 1.0)
11-2	1.80	35.59	9484710.29	337607099.5	2923124.2	SI (337607099.5/2923124.2 = 115.50 >= 1.0)
15-1	2.30	57.15	10061183.57	575027260.5	1994878.2	SI (575027260.5/1994878.2 = 288.25 >= 1.0)
15-2	2.30	57.15	10061091.2	575014458.4	1994867.2	SI (575014458.4/1994867.2 = 288.25 >= 1.0)
15-3	2.30	61.59	10127232.98	623693146.4	1996736.2	SI (623693146.4/1996736.2 = 312.36 >= 1.0)
15-4	2.30	61.58	10127140.99	623679668.1	1996725.2	SI (623679668.1/1996725.2 = 312.35 >= 1.0)
15-5	2.30	56.56	9524618.56	538684172.9	1996050.2	SI (538684172.9/1996050.2 = 269.88 >= 1.0)
15-6	2.30	56.56	9524701.58	538694147.4	1996039.2	SI (538694147.4/1996039.2 = 269.88 >= 1.0)
15-7	2.30	52.87	9472612.07	500845497.7	1997908.2	SI (500845497.7/1997908.2 = 250.68 >= 1.0)
15-8	2.30	52.87	9472694.79	500854633.1	1997897.2	SI (500854633.1/1997897.2 = 250.69 >= 1.0)
15-9	2.30	56.83	10203196.71	579870015.4	1994947.2	SI (579870015.4/1994947.2 = 290.67 >= 1.0)
15-10	2.30	56.83	10203103.8	579857132.4	1994936.2	SI (579857132.4/1994936.2 = 290.66 >= 1.0)
15-11	2.30	60.78	10269979.04	624190880.6	1996806.2	SI (624190880.6/1996806.2 = 312.59 >= 1.0)
15-12	2.30	60.78	10269886.28	624177299.4	1996794.2	SI (624177299.4/1996794.2 = 312.59 >= 1.0)
15-13	2.30	56.96	9670939.03	550877984.1	1996119.2	SI (550877984.1/1996119.2 = 275.97 >= 1.0)
15-14	2.30	56.96	9671024.11	550888245.8	1996108.2	SI (550888245.8/1996108.2 = 275.98 >= 1.0)
15-15	2.30	52.89	9617944.33	508678831.4	1997978.2	SI (508678831.4/1997978.2 = 254.60 >= 1.0)
15-16	2.30	52.89	9618028.55	508687997.9	1997966.2	SI (508687997.9/1997966.2 = 254.60 >= 1.0)
16-1	2.30	65.42	10190721.88	666697447.3	1993157.2	SI (666697447.3/1993157.2 = 334.49 >= 1.0)
16-2	2.30	71.6	9935017.42	711378707.9	1993509.2	SI (711378707.9/1993509.2 = 356.85 >= 1.0)
16-3	2.30	66.1	10237413.33	676715152.9	1993178.2	SI (676715152.9/1993178.2 = 339.52 >= 1.0)
16-4	2.30	72.36	9980578.32	722148920.9	1993530.2	SI (722148920.9/1993530.2 = 362.25 >= 1.0)
16-5	2.30	65.42	10191011.99	666738686.4	1993120.2	SI (666738686.4/1993120.2 = 334.52 >= 1.0)
16-6	2.30	71.61	9935302.51	711424485.3	1993471.2	SI (711424485.3/1993471.2 = 356.88 >= 1.0)
16-7	2.30	66.1	10237705.36	676757127.1	1993140.2	SI (676757127.1/1993140.2 = 339.54 >= 1.0)
16-8	2.30	72.36	9980865.56	722195609.3	1993492.2	SI (722195609.3/1993492.2 = 362.28 >= 1.0)
16-9	2.30	72.91	10015656.53	730261138.6	1999352.2	SI (730261138.6/1999352.2 = 365.25 >= 1.0)
16-10	2.30	62.47	9760210.34	609708047.8	1999704.2	SI (609708047.8/1999704.2 = 304.90 >= 1.0)
16-11	2.30	72.08	10061343.4	725186631.7	1999373.2	SI (725186631.7/1999373.2 = 362.71 >= 1.0)
16-12	2.30	61.76	9804773.52	605533550	1999724.2	SI (605533550/1999724.2 = 302.81 >= 1.0)
16-13	2.30	72.91	10015942.93	730308112.4	1999314.2	SI (730308112.4/1999314.2 = 365.28 >= 1.0)
16-14	2.30	62.47	9760492.01	609746302.5	1999666.2	SI (609746302.5/1999666.2 = 304.92 >= 1.0)
16-15	2.30	72.08	10061631.95	725233129.2	1999335.2	SI (725233129.2/1999335.2 = 362.74 >= 1.0)
16-16	2.30	61.76	9805057.75	605571524.7	1999687.2	SI (605571524.7/1999687.2 = 302.83 >= 1.0)

Scorrimento.

Le seguenti tabelle elencano il valore dell'angolo di resistenza al taglio, della coesione efficace, dell'attrito e dell'aderenza fondazione-terreno, e della resistenza disponibile sul piano di posa e sulle pareti laterali.

Caso	γ_{φ}	$\gamma_{c'}$	φ [°]	c' [daN/cm²]	δ [°]	a [daN/cm²]	$\gamma_{R;h}$	$\gamma_{R;e}$	**R_h** [daN]	**R_e** [daN]
1-1	1.00	1.00	35	0	26.2	0	1.00	1.00	1787763.91	0
2-1	1.00	1.00	35	0	26.2	0	1.00	1.00	1804554.03	863.82
2-2	1.00	1.00	35	0	26.2	0	1.00	1.00	1770973.78	863.82
3-1	1.00	1.00	35	0	26.2	0	1.00	1.00	1787608.07	778.71
3-2	1.00	1.00	35	0	26.2	0	1.00	1.00	1787919.74	778.71
4-1	1.00	1.00	35	0	26.2	0	1.00	1.00	983248.74	873.6
4-2	1.00	1.00	35	0	26.2	0	1.00	1.00	983239.37	873.6
4-3	1.00	1.00	35	0	26.2	0	1.00	1.00	984786.37	876.06
4-4	1.00	1.00	35	0	26.2	0	1.00	1.00	984777	876.06
4-5	1.00	1.00	35	0	26.2	0	1.00	1.00	984218.76	875.94
4-6	1.00	1.00	35	0	26.2	0	1.00	1.00	984209.39	875.94
4-7	1.00	1.00	35	0	26.2	0	1.00	1.00	985756.39	871.64
4-8	1.00	1.00	35	0	26.2	0	1.00	1.00	985747.02	871.64
4-9	1.00	1.00	35	0	26.2	0	1.00	1.00	983305.95	871.64
4-10	1.00	1.00	35	0	26.2	0	1.00	1.00	983296.58	871.64
4-11	1.00	1.00	35	0	26.2	0	1.00	1.00	984843.58	875.94
4-12	1.00	1.00	35	0	26.2	0	1.00	1.00	984834.7	875.94
4-13	1.00	1.00	35	0	26.2	0	1.00	1.00	984275.97	876.06
4-14	1.00	1.00	35	0	26.2	0	1.00	1.00	984266.6	876.06
4-15	1.00	1.00	35	0	26.2	0	1.00	1.00	985813.59	873.6
4-16	1.00	1.00	35	0	26.2	0	1.00	1.00	985804.22	873.6
5-1	1.25	1.25	29.3	0	21.9	0	1.10	1.00	730195.73	689.31
5-2	1.25	1.25	29.3	0	21.9	0	1.10	1.00	730188.77	689.31
5-3	1.25	1.25	29.3	0	21.9	0	1.10	1.00	731337.63	691.25
5-4	1.25	1.25	29.3	0	21.9	0	1.10	1.00	731330.67	691.25
5-5	1.25	1.25	29.3	0	21.9	0	1.10	1.00	730916.1	691.15
5-6	1.25	1.25	29.3	0	21.9	0	1.10	1.00	730909.14	691.15
5-7	1.25	1.25	29.3	0	21.9	0	1.10	1.00	732058	687.76
5-8	1.25	1.25	29.3	0	21.9	0	1.10	1.00	732051.04	687.76
5-9	1.25	1.25	29.3	0	21.9	0	1.10	1.00	730238.22	687.76
5-10	1.25	1.25	29.3	0	21.9	0	1.10	1.00	730231.26	687.76
5-11	1.25	1.25	29.3	0	21.9	0	1.10	1.00	731380.11	691.15
5-12	1.25	1.25	29.3	0	21.9	0	1.10	1.00	731373.52	691.15
5-13	1.25	1.25	29.3	0	21.9	0	1.10	1.00	730958.59	691.25
5-14	1.25	1.25	29.3	0	21.9	0	1.10	1.00	730951.63	691.25
5-15	1.25	1.25	29.3	0	21.9	0	1.10	1.00	732100.48	689.31
5-16	1.25	1.25	29.3	0	21.9	0	1.10	1.00	732093.52	689.31
6-1	1.00	1.00	35	0	26.2	0	1.00	1.00	981825.03	847.22
6-2	1.00	1.00	35	0	26.2	0	1.00	1.00	982115.99	847.18
6-3	1.00	1.00	35	0	26.2	0	1.00	1.00	981842.29	823.78
6-4	1.00	1.00	35	0	26.2	0	1.00	1.00	982133.25	876.28
6-5	1.00	1.00	35	0	26.2	0	1.00	1.00	981793.96	847.22
6-6	1.00	1.00	35	0	26.2	0	1.00	1.00	982084.92	847.18
6-7	1.00	1.00	35	0	26.2	0	1.00	1.00	981811.23	823.78
6-8	1.00	1.00	35	0	26.2	0	1.00	1.00	982102.18	876.28
6-9	1.00	1.00	35	0	26.2	0	1.00	1.00	986950.79	876.28
6-10	1.00	1.00	35	0	26.2	0	1.00	1.00	987241.74	823.78
6-11	1.00	1.00	35	0	26.2	0	1.00	1.00	986968.05	847.18
6-12	1.00	1.00	35	0	26.2	0	1.00	1.00	987259	847.22
6-13	1.00	1.00	35	0	26.2	0	1.00	1.00	986919.72	876.28
6-14	1.00	1.00	35	0	26.2	0	1.00	1.00	987210.67	823.78
6-15	1.00	1.00	35	0	26.2	0	1.00	1.00	986936.98	847.18
6-16	1.00	1.00	35	0	26.2	0	1.00	1.00	987227.93	847.22
7-1	1.25	1.25	29.3	0	21.9	0	1.10	1.00	729138.43	668.49
7-2	1.25	1.25	29.3	0	21.9	0	1.10	1.00	729354.51	668.46
7-3	1.25	1.25	29.3	0	21.9	0	1.10	1.00	729151.25	650
7-4	1.25	1.25	29.3	0	21.9	0	1.10	1.00	729367.33	691.42
7-5	1.25	1.25	29.3	0	21.9	0	1.10	1.00	729115.36	668.49
7-6	1.25	1.25	29.3	0	21.9	0	1.10	1.00	729331.44	668.46
7-7	1.25	1.25	29.3	0	21.9	0	1.10	1.00	729128.18	650
7-8	1.25	1.25	29.3	0	21.9	0	1.10	1.00	729344.25	691.42
7-9	1.25	1.25	29.3	0	21.9	0	1.10	1.00	732945	691.42
7-10	1.25	1.25	29.3	0	21.9	0	1.10	1.00	733161.08	650
7-11	1.25	1.25	29.3	0	21.9	0	1.10	1.00	732957.82	668.46
7-12	1.25	1.25	29.3	0	21.9	0	1.10	1.00	733173.89	668.49
7-13	1.25	1.25	29.3	0	21.9	0	1.10	1.00	732921.93	691.42
7-14	1.25	1.25	29.3	0	21.9	0	1.10	1.00	733138	650
7-15	1.25	1.25	29.3	0	21.9	0	1.10	1.00	732934.75	668.46
7-16	1.25	1.25	29.3	0	21.9	0	1.10	1.00	733150.82	668.49
8-1	1.00	1.00	35	0	26.2	0	1.00	1.00	835230.34	827.05

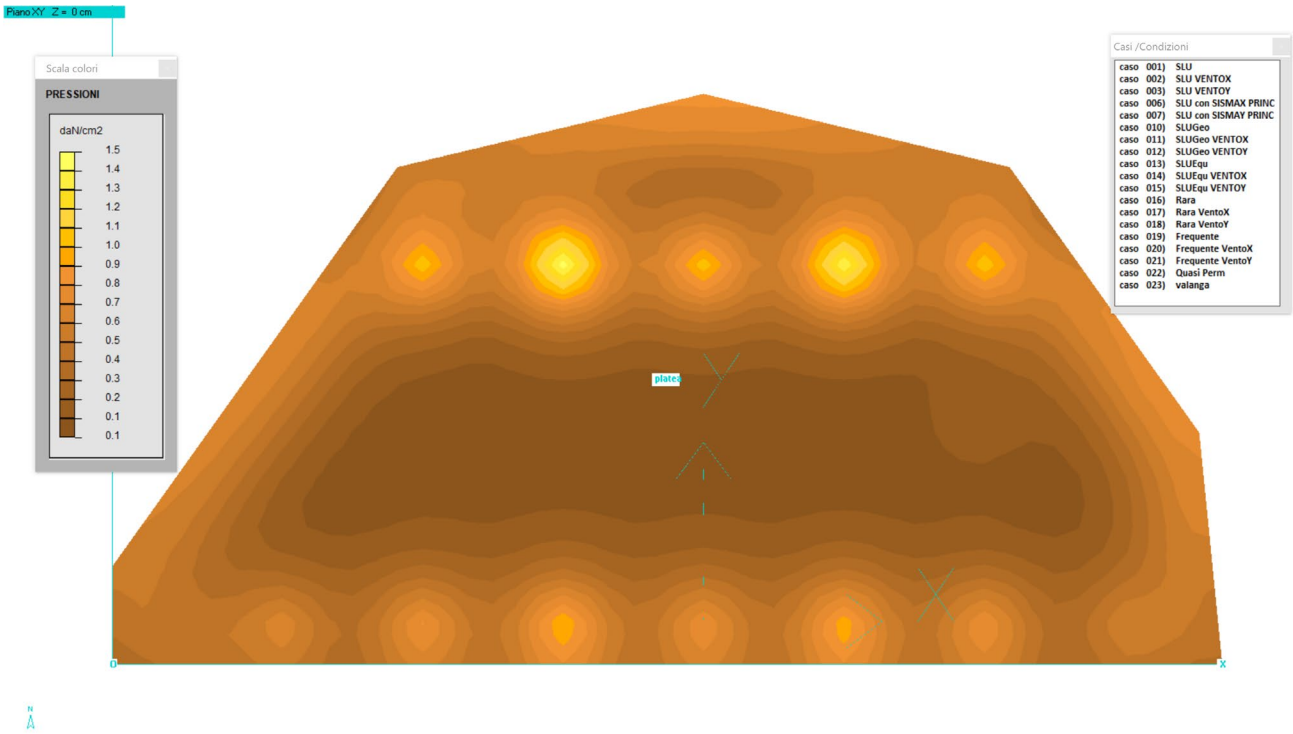
8-2	1.00	1.00	35	0	26.2	0	1.00	1.00	407394.63	827.05
9-1	1.25	1.25	29.3	0	21.9	0	1.10	1.00	1070428	0
10-1	1.25	1.25	29.3	0	21.9	0	1.10	1.00	1081234.64	681.59
10-2	1.25	1.25	29.3	0	21.9	0	1.10	1.00	1059621.72	681.59
11-1	1.25	1.25	29.3	0	21.9	0	1.10	1.00	1070327.65	614.43
11-2	1.25	1.25	29.3	0	21.9	0	1.10	1.00	1070528.34	614.43
15-1	-	-	35	0	26.2	0	1.10	1.30	894331.88	672
15-2	-	-	35	0	26.2	0	1.10	1.30	894326.95	672
15-3	-	-	35	0	26.2	0	1.10	1.30	895164.85	673.9
15-4	-	-	35	0	26.2	0	1.10	1.30	895159.92	673.9
15-5	-	-	35	0	26.2	0	1.10	1.30	894857.3	673.8
15-6	-	-	35	0	26.2	0	1.10	1.30	894852.37	673.8
15-7	-	-	35	0	26.2	0	1.10	1.30	895690.27	670.49
15-8	-	-	35	0	26.2	0	1.10	1.30	895685.34	670.49
15-9	-	-	35	0	26.2	0	1.10	1.30	894362.81	670.49
15-10	-	-	35	0	26.2	0	1.10	1.30	894357.88	670.49
15-11	-	-	35	0	26.2	0	1.10	1.30	895196.23	673.8
15-12	-	-	35	0	26.2	0	1.10	1.30	895190.85	673.8
15-13	-	-	35	0	26.2	0	1.10	1.30	894888.24	673.9
15-14	-	-	35	0	26.2	0	1.10	1.30	894883.31	673.9
15-15	-	-	35	0	26.2	0	1.10	1.30	895721.65	672
15-16	-	-	35	0	26.2	0	1.10	1.30	895716.27	672
16-1	-	-	35	0	26.2	0	1.10	1.30	893560.33	651.71
16-2	-	-	35	0	26.2	0	1.10	1.30	893718.14	651.68
16-3	-	-	35	0	26.2	0	1.10	1.30	893569.75	633.68
16-4	-	-	35	0	26.2	0	1.10	1.30	893727.55	674.06
16-5	-	-	35	0	26.2	0	1.10	1.30	893543.74	651.71
16-6	-	-	35	0	26.2	0	1.10	1.30	893701.1	651.68
16-7	-	-	35	0	26.2	0	1.10	1.30	893552.71	633.68
16-8	-	-	35	0	26.2	0	1.10	1.30	893710.52	674.06
16-9	-	-	35	0	26.2	0	1.10	1.30	896337.64	674.06
16-10	-	-	35	0	26.2	0	1.10	1.30	896495.44	633.68
16-11	-	-	35	0	26.2	0	1.10	1.30	896347.05	651.68
16-12	-	-	35	0	26.2	0	1.10	1.30	896504.41	651.71
16-13	-	-	35	0	26.2	0	1.10	1.30	896320.6	674.06
16-14	-	-	35	0	26.2	0	1.10	1.30	896478.41	633.68
16-15	-	-	35	0	26.2	0	1.10	1.30	896330.01	651.68
16-16	-	-	35	0	26.2	0	1.10	1.30	896487.82	651.71

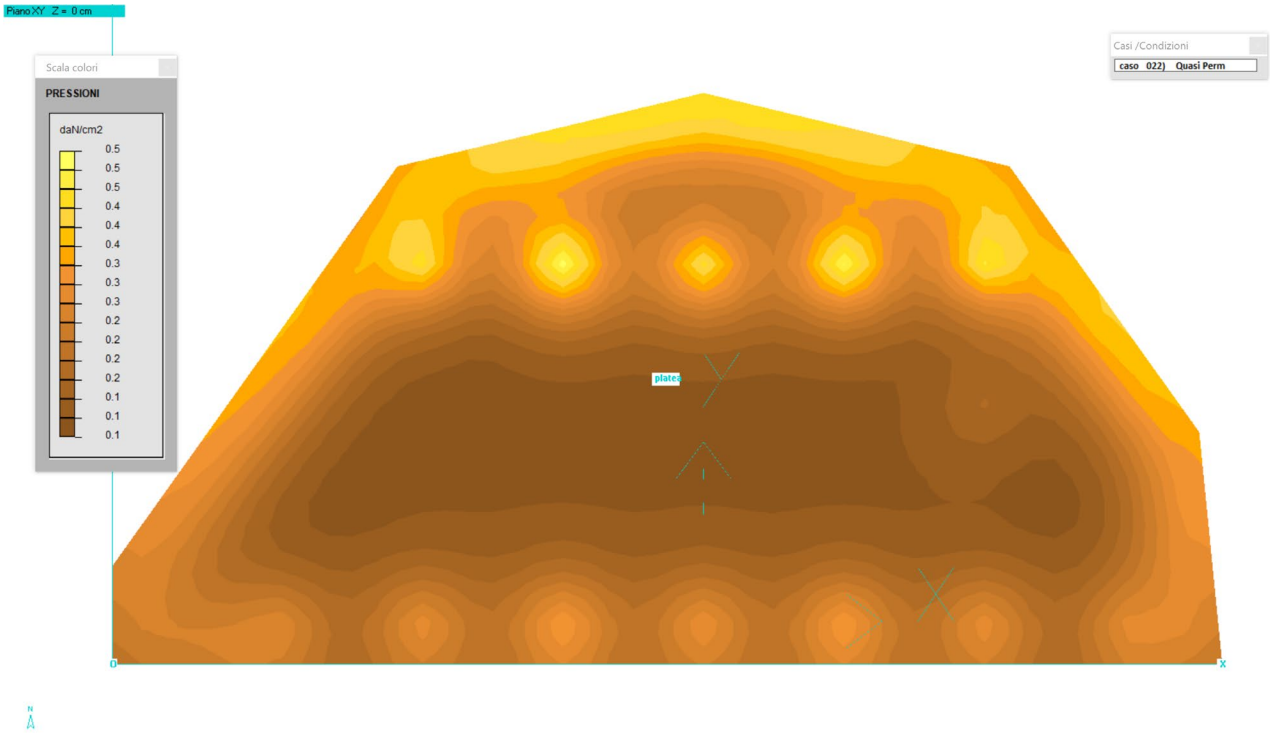
Segue il confronto fra la resistenza a scorrimento e l'azione applicata.

Caso	$\mathbf{R_d}$ [daN]	$\mathbf{E_d}$ [daN]	Verifica
1-1	1787763.9	0	SI (1787763.9/0 = 1.00 >= 1.0)
2-1	1805417.9	43088	SI (1805417.9/43088 = 41.90 >= 1.0)
2-2	1771837.6	43088	SI (1771837.6/43088 = 41.12 >= 1.0)
3-1	1788386.8	33720.3	SI (1788386.8/33720.3 = 53.04 >= 1.0)
3-2	1788698.4	33720.3	SI (1788698.4/33720.3 = 53.05 >= 1.0)
4-1	984122.3	305384.9	SI (984122.3/305384.9 = 3.22 >= 1.0)
4-2	984113	305384.9	SI (984113/305384.9 = 3.22 >= 1.0)
4-3	985662.4	236070.4	SI (985662.4/236070.4 = 4.18 >= 1.0)
4-4	985653.1	236070.4	SI (985653.1/236070.4 = 4.18 >= 1.0)
4-5	985094.7	244729.9	SI (985094.7/244729.9 = 4.03 >= 1.0)
4-6	985085.3	244729.9	SI (985085.3/244729.9 = 4.03 >= 1.0)
4-7	986628	309773.7	SI (986628/309773.7 = 3.18 >= 1.0)
4-8	986618.7	309773.7	SI (986618.7/309773.7 = 3.18 >= 1.0)
4-9	984177.6	309773.7	SI (984177.6/309773.7 = 3.18 >= 1.0)
4-10	984168.2	309773.7	SI (984168.2/309773.7 = 3.18 >= 1.0)
4-11	985719.5	244729.9	SI (985719.5/244729.9 = 4.03 >= 1.0)
4-12	985710.6	244729.9	SI (985710.6/244729.9 = 4.03 >= 1.0)
4-13	985152	236070.4	SI (985152/236070.4 = 4.17 >= 1.0)
4-14	985142.7	236070.4	SI (985142.7/236070.4 = 4.17 >= 1.0)
4-15	986687.2	305384.9	SI (986687.2/305384.9 = 3.23 >= 1.0)
4-16	986677.8	305384.9	SI (986677.8/305384.9 = 3.23 >= 1.0)
5-1	730885	305384.9	SI (730885/305384.9 = 2.39 >= 1.0)
5-2	730878.1	305384.9	SI (730878.1/305384.9 = 2.39 >= 1.0)
5-3	732028.9	236070.4	SI (732028.9/236070.4 = 3.10 >= 1.0)
5-4	732021.9	236070.4	SI (732021.9/236070.4 = 3.10 >= 1.0)
5-5	731607.3	244729.9	SI (731607.3/244729.9 = 2.99 >= 1.0)
5-6	731600.3	244729.9	SI (731600.3/244729.9 = 2.99 >= 1.0)
5-7	732745.8	309773.7	SI (732745.8/309773.7 = 2.37 >= 1.0)
5-8	732738.8	309773.7	SI (732738.8/309773.7 = 2.37 >= 1.0)
5-9	730926	309773.7	SI (730926/309773.7 = 2.36 >= 1.0)
5-10	730919	309773.7	SI (730919/309773.7 = 2.36 >= 1.0)
5-11	732071.3	244729.9	SI (732071.3/244729.9 = 2.99 >= 1.0)
5-12	732064.7	244729.9	SI (732064.7/244729.9 = 2.99 >= 1.0)
5-13	731649.8	236070.4	SI (731649.8/236070.4 = 3.10 >= 1.0)

5-14	731642.9	236070.4	SI (731642.9/236070.4 = 3.10 >= 1.0)
5-15	732789.8	305384.9	SI (732789.8/305384.9 = 2.40 >= 1.0)
5-16	732782.8	305384.9	SI (732782.8/305384.9 = 2.40 >= 1.0)
6-1	982672.3	201824.9	SI (982672.3/201824.9 = 4.87 >= 1.0)
6-2	982963.2	65140.4	SI (982963.2/65140.4 = 15.09 >= 1.0)
6-3	982666.1	200774.2	SI (982666.1/200774.2 = 4.89 >= 1.0)
6-4	983009.5	56591.1	SI (983009.5/56591.1 = 17.37 >= 1.0)
6-5	982641.2	201824.9	SI (982641.2/201824.9 = 4.87 >= 1.0)
6-6	982932.1	65140.4	SI (982932.1/65140.4 = 15.09 >= 1.0)
6-7	982635	200774.2	SI (982635/200774.2 = 4.89 >= 1.0)
6-8	982978.5	56591.2	SI (982978.5/56591.2 = 17.37 >= 1.0)
6-9	987827.1	56591.2	SI (987827.1/56591.2 = 17.46 >= 1.0)
6-10	988065.5	200774.2	SI (988065.5/200774.2 = 4.92 >= 1.0)
6-11	987815.2	65140.4	SI (987815.2/65140.4 = 15.16 >= 1.0)
6-12	988106.2	201824.9	SI (988106.2/201824.9 = 4.90 >= 1.0)
6-13	987796	56591.1	SI (987796/56591.1 = 17.45 >= 1.0)
6-14	988034.5	200774.2	SI (988034.5/200774.2 = 4.92 >= 1.0)
6-15	987784.2	65140.4	SI (987784.2/65140.4 = 15.16 >= 1.0)
6-16	988075.2	201824.9	SI (988075.2/201824.9 = 4.90 >= 1.0)
7-1	729806.9	201824.9	SI (729806.9/201824.9 = 3.62 >= 1.0)
7-2	730023	65140.4	SI (730023/65140.4 = 11.21 >= 1.0)
7-3	729801.3	200774.2	SI (729801.3/200774.2 = 3.63 >= 1.0)
7-4	730058.7	56591.1	SI (730058.7/56591.1 = 12.90 >= 1.0)
7-5	729783.9	201824.9	SI (729783.9/201824.9 = 3.62 >= 1.0)
7-6	729999.9	65140.4	SI (729999.9/65140.4 = 11.21 >= 1.0)
7-7	729778.2	200774.2	SI (729778.2/200774.2 = 3.63 >= 1.0)
7-8	730035.7	56591.2	SI (730035.7/56591.2 = 12.90 >= 1.0)
7-9	733636.4	56591.2	SI (733636.4/56591.2 = 12.96 >= 1.0)
7-10	733811.1	200774.2	SI (733811.1/200774.2 = 3.65 >= 1.0)
7-11	733626.3	65140.4	SI (733626.3/65140.4 = 11.26 >= 1.0)
7-12	733842.4	201824.9	SI (733842.4/201824.9 = 3.64 >= 1.0)
7-13	733613.4	56591.1	SI (733613.4/56591.1 = 12.96 >= 1.0)
7-14	733788	200774.2	SI (733788/200774.2 = 3.65 >= 1.0)
7-15	733603.2	65140.4	SI (733603.2/65140.4 = 11.26 >= 1.0)
7-16	733819.3	201824.9	SI (733819.3/201824.9 = 3.64 >= 1.0)
8-1	836057.4	75003.6	SI (836057.4/75003.6 = 11.15 >= 1.0)
8-2	408221.7	75003.6	SI (408221.7/75003.6 = 5.44 >= 1.0)
9-1	1070428	0	SI (1070428/0 = 1.00 >= 1.0)
10-1	1081916.2	37342.9	SI (1081916.2/37342.9 = 28.97 >= 1.0)
10-2	1060303.3	37342.9	SI (1060303.3/37342.9 = 28.39 >= 1.0)
11-1	1070942.1	29224.3	SI (1070942.1/29224.3 = 36.65 >= 1.0)
11-2	1071142.8	29224.3	SI (1071142.8/29224.3 = 36.65 >= 1.0)
15-1	895003.9	182009.4	SI (895003.9/182009.4 = 4.92 >= 1.0)
15-2	894998.9	182009.4	SI (894998.9/182009.4 = 4.92 >= 1.0)
15-3	895838.7	140697.9	SI (895838.7/140697.9 = 6.37 >= 1.0)
15-4	895833.8	140697.9	SI (895833.8/140697.9 = 6.37 >= 1.0)
15-5	895531.1	145859	SI (895531.1/145859 = 6.14 >= 1.0)
15-6	895526.2	145859	SI (895526.2/145859 = 6.14 >= 1.0)
15-7	896360.8	184625.1	SI (896360.8/184625.1 = 4.86 >= 1.0)
15-8	896355.8	184625.1	SI (896355.8/184625.1 = 4.86 >= 1.0)
15-9	895033.3	184625.1	SI (895033.3/184625.1 = 4.85 >= 1.0)
15-10	895028.4	184625.1	SI (895028.4/184625.1 = 4.85 >= 1.0)
15-11	895870	145859	SI (895870/145859 = 6.14 >= 1.0)
15-12	895864.6	145859	SI (895864.6/145859 = 6.14 >= 1.0)
15-13	895562.1	140697.9	SI (895562.1/140697.9 = 6.37 >= 1.0)
15-14	895557.2	140697.9	SI (895557.2/140697.9 = 6.37 >= 1.0)
15-15	896393.7	182009.4	SI (896393.7/182009.4 = 4.92 >= 1.0)
15-16	896388.3	182009.4	SI (896388.3/182009.4 = 4.92 >= 1.0)
16-1	894212	120287.6	SI (894212/120287.6 = 7.43 >= 1.0)
16-2	894369.8	38823.7	SI (894369.8/38823.7 = 23.04 >= 1.0)
16-3	894203.4	119661.4	SI (894203.4/119661.4 = 7.47 >= 1.0)
16-4	894401.6	33728.3	SI (894401.6/33728.3 = 26.52 >= 1.0)
16-5	894195.5	120287.6	SI (894195.5/120287.6 = 7.43 >= 1.0)
16-6	894352.8	38823.7	SI (894352.8/38823.7 = 23.04 >= 1.0)
16-7	894186.4	119661.4	SI (894186.4/119661.4 = 7.47 >= 1.0)
16-8	894384.6	33728.3	SI (894384.6/33728.3 = 26.52 >= 1.0)
16-9	897011.7	33728.3	SI (897011.7/33728.3 = 26.60 >= 1.0)
16-10	897129.1	119661.4	SI (897129.1/119661.4 = 7.50 >= 1.0)
16-11	896998.7	38823.7	SI (896998.7/38823.7 = 23.10 >= 1.0)
16-12	897156.1	120287.6	SI (897156.1/120287.6 = 7.46 >= 1.0)
16-13	896994.7	33728.3	SI (896994.7/33728.3 = 26.59 >= 1.0)
16-14	897112.1	119661.4	SI (897112.1/119661.4 = 7.50 >= 1.0)
16-15	896981.7	38823.7	SI (896981.7/38823.7 = 23.10 >= 1.0)
16-16	897139.5	120287.6	SI (897139.5/120287.6 = 7.46 >= 1.0)

PRESSIONI SU TERRENO:





PROGETTAZIONE ANTINCENDIO

La normativa applicabile al fabbricato in epigrafe è il D.M. 19 agosto 1996 LOCALI DI PUBBLICO SPETTACOLO, con le modifiche introdotte dal DM 6 marzo 2001 e dal DM 18 dicembre 2012.

Si tratta di un edificio isolato ad un piano solo, senza piani interrati, non comunicante con altre attività, situato in un'area che consente l'intervento dei mezzi di soccorso dei Vigili del Fuoco secondo le indicazioni del punto 2.1.3 del decreto.

L'altezza antincendio è < 12 m, quindi è richiesto il requisito **REI60**.

Nella sala, negli atri, nei corridoi, nei disimpegni, nelle rampe, nei passaggi in genere e nelle vie di esodo, saranno impiegati materiali di classe 0;

in tutti gli altri ambienti saranno impiegati materiali di rivestimento dei pavimenti di classe 2 e altri materiali di rivestimento di classe 1;

i materiali suscettibili di prendere fuoco su entrambe le facce (tendaggi e simili) saranno di classe di reazione al fuoco non superiore a 1;

le poltrone ed i mobili imbottiti saranno di classe 1 IM;

i sedili non imbottiti costituiti da materiali combustibili saranno di classe non superiore a 2

i materiali isolanti in vista, con componente isolante direttamente esposto alle fiamme, saranno di classe di reazione al fuoco non superiore a 1.

Le sedie, come indicato nella pianta del progetto architettonico, sono distribuite in quattro blocchi, di cui due con 10 sedie per fila e 10 file, due con 7 sedie per fila e 10 file.

Posto che il numero di presenti in sala è di 340 (come indicato nel progetto architettonico), e che la capacità di deflusso è pari a 50 (sala al piano terreno), si ottiene il numero minimo di moduli di uscita pari a 6,8.

Il progetto prevede quattro uscite, due della larghezza di 240 cm ciascuna e due della larghezza di 160 cm ciascuna, quindi ampiamente sovrabbondanti. Le uscite sono site in posizione contrapposta.

Gli impianti elettrici, di riscaldamento e di allarme saranno realizzati a regola d'arte, secondo le indicazioni contenute nel progetto a firma dell'ing. Silvano Chéraz.

Saranno installati idranti DN45 in numero sufficiente a garantire la copertura di tutta l'area protetta. In particolare è prevista la realizzazione di una vasca di riserva idrica del volume di 15 m^3, così calcolati: 2 idranti x 120 litri/minuto primo x 60 minuti = 14 400 litri. La pressione di 2 bar al bocchello sarà garantita da un sistema di pompaggio.

Il raggiungimento del requisito R60 per le strutture in cemento armato è garantito dal copriferro che sarà conforme ai punti D.5 e D.6 del DECRETO 16 febbraio 2007.

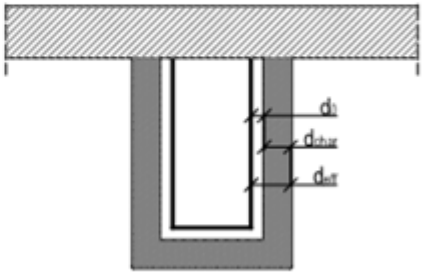
Il raggiungimento del requisito R60 per le strutture in legno è verificato con il calcolo seguente svolto col *metodo della sezione efficace* (Eurocodice 5 parte 1–2, EN 1995–1–2).

Il metodo della sezione efficace considera che le proprietà di resistenza e rigidezza del materiale rimangano invariate durante l'esposizione al fuoco. La sezione residua si calcola riducendo la sezione iniziale su ogni lato esposto al fuoco della profondità effettiva di carbonizzazione secondo la seguente equazione:

$$d_{ef} = d_{char} + k_0 d_0 = \beta_0 t_{fi,req} + k_0 d_0$$

con

β_0 velocità di carbonizzazione
$t_{fi,req}$ tempo di resistenza al fuoco richiesto (min)
k_0 coefficiente di protezione pari a 1,0 per superfici non protette
d_0 = 7 mm strato iniziale di carbonizzazione



β_o = 1.0 mm/minuto

$t_{fi,\ req}$ = 60 minuti (R)
k_o = 1

La riduzione delle sezioni è assunta in 70 mm = 7 cm per ogni faccia esposta, a fronte del valore di 67 mm risultante dal calcolo.

I travi secondari sono ridotti da 22x48 a 8x41
I travi principali sono ridotti da 60x140 a 46x133 e da 60x180 a 46x173

DESCRIZIONE CASI DI CARICO:

NOME	DESCRIZIONE	VERIFICA	TIPO	CONDIZ. INSERITE			CASI INSERITI	
				Num.	Coeff.	Segno	Num.	Coeff.
11	SLU Incendio	SLU_INC	somma	1	1.000	+		
				2	1.000	+		
				3	0.600	+		
				4	0.200	+		
				5	1.000	+		

Condizione 1 peso proprio
Condizione 2 carico permanente (carichi delle attrezzature appese al tetto)
Condizione 3 soppalco (non riguarda la copertura)
Condizione 4 neve
Condizione 5 fondazione (non riguarda la copertura)

VERIFICA ASTE IN LEGNO:

RELAZIONE SINTETICA

Lavoro : cerv02
Normativa : NTC18 - EC5 (UNI EN 1995-1-1)
Unita' di misura: cm; daN; daN/cm; daNcm; daN/cm2; daN/cm3.
Numero aste : 346

RESISTENZE LIMITE RAGGIUNTE (%) :

asta	sez	b	h	fsPfd	fsIfl	fsIto	fsTau	Caso	%	VE
41	2	46.	133.	0.000	0.000	0.000	0.000	1- 1	0	si
45	2	46.	133.	.005	0.000	0.000	.002	1- 1	0	si
46	2	46.	133.	.001	0.000	0.000	.007	1- 1	1	si
47	2	46.	133.	.004	0.000	0.000	.001	1- 1	0	si
48	2	46.	133.	.005	0.000	0.000	.001	1- 1	0	si
49	2	46.	133.	.001	0.000	0.000	.001	1- 1	0	si
50	2	46.	133.	.003	0.000	0.000	.001	1- 1	0	si
53	2	46.	133.	0.000	0.000	0.000	0.000	1- 1	0	si
55	2	46.	133.	0.000	0.000	0.000	0.000	1- 1	0	si
57	2	46.	133.	0.000	0.000	0.000	0.000	1- 1	0	si
59	2	46.	133.	0.000	0.000	0.000	0.000	1- 1	0	si
61	2	46.	133.	.004	0.000	0.000	.006	1- 1	1	si
72	6	46.	173.	.067	0.000	.004	.131	1- 1	13	si
74	6	46.	173.	.055	0.000	.003	.018	1- 1	6	si
76	2	46.	133.	0.000	0.000	0.000	0.000	1- 1	0	si
77	2	46.	133.	.005	0.000	0.000	.004	1- 1	0	si
78	6	46.	173.	.055	0.000	.003	.134	1- 1	13	si
80	6	46.	173.	.067	0.000	.004	.017	1- 1	7	si
106	4	8.	41.	.121	.165	.117	.038	1- 1	16	si
107	4	8.	41.	.188	.253	.212	.093	1- 1	25	si
108	4	8.	41.	.189	.253	.212	.093	1- 1	25	si
109	4	8.	41.	.188	.253	.211	.093	1- 1	25	si
110	4	8.	41.	.184	.250	.207	.092	1- 1	25	si
111	4	8.	41.	.180	.247	.204	.091	1- 1	25	si
112	4	8.	41.	.178	.245	.201	.091	1- 1	24	si

113	4	8.	41.	.176	.244	.200	.090	1- 1	24	si
114	4	8.	41.	.175	.244	.199	.300	1- 1	30	si
115	4	8.	41.	.176	.244	.200	.300	1- 1	30	si
116	4	8.	41.	.178	.246	.202	.090	1- 1	25	si
117	4	8.	41.	.181	.247	.204	.091	1- 1	25	si
118	4	8.	41.	.181	.250	.206	.094	1- 1	25	si
119	4	8.	41.	.199	.260	.222	.094	1- 1	26	si
120	4	8.	41.	.201	.259	.221	.091	1- 1	26	si
122	4	8.	41.	.172	.242	.197	.090	1- 1	24	si
125	4	8.	41.	.126	.129	.062	.036	1- 1	13	si
130	4	8.	41.	.122	.166	.118	.038	1- 1	17	si
131	4	8.	41.	.190	.254	.213	.094	1- 1	25	si
132	4	8.	41.	.193	.256	.216	.094	1- 1	26	si
133	4	8.	41.	.192	.256	.215	.094	1- 1	26	si
134	4	8.	41.	.188	.252	.211	.092	1- 1	25	si
135	4	8.	41.	.185	.250	.208	.092	1- 1	25	si
136	4	8.	41.	.179	.247	.203	.091	1- 1	25	si
138	4	8.	41.	.175	.243	.199	.299	1- 1	30	si
139	4	8.	41.	.176	.244	.200	.300	1- 1	30	si
140	4	8.	41.	.178	.246	.202	.090	1- 1	25	si
141	4	8.	41.	.178	.246	.202	.091	1- 1	25	si
142	4	8.	41.	.181	.250	.206	.094	1- 1	25	si
143	4	8.	41.	.199	.260	.222	.094	1- 1	26	si
144	4	8.	41.	.201	.259	.221	.091	1- 1	26	si
146	4	8.	41.	.209	.268	.233	.096	1- 1	27	si
149	4	8.	41.	.127	.130	.063	.037	1- 1	13	si
157	2	46.	133.	.001	0.000	0.000	.005	1- 1	0	si
158	2	46.	133.	.006	0.000	0.000	.020	1- 1	2	si
159	2	46.	133.	.016	0.000	0.000	.041	1- 1	4	si
160	2	46.	133.	.029	0.000	.001	.062	1- 1	6	si
161	2	46.	133.	0.000	0.000	0.000	0.000	1- 1	0	si
162	2	46.	133.	.023	0.000	.001	.101	1- 1	10	si
163	2	46.	133.	.022	0.000	0.000	.080	1- 1	8	si
164	2	46.	133.	.037	0.000	.001	.059	1- 1	6	si
165	2	46.	133.	.047	0.000	.002	.038	1- 1	5	si
166	2	46.	133.	.051	0.000	.003	.016	1- 1	5	si
167	2	46.	133.	.051	0.000	.003	.005	1- 1	5	si
168	2	46.	133.	.049	0.000	.002	.027	1- 1	5	si
169	2	46.	133.	.043	0.000	.002	.048	1- 1	5	si
170	2	46.	133.	.031	0.000	.001	.069	1- 1	7	si
171	2	46.	133.	.013	0.000	0.000	.091	1- 1	9	si
172	6	46.	173.	.022	0.000	0.000	.086	1- 1	9	si
173	6	46.	173.	.037	0.000	.001	.102	1- 1	10	si
174	6	46.	173.	.038	0.000	.002	.074	1- 1	7	si
175	2	46.	133.	.046	0.000	.002	.075	1- 1	8	si
176	2	46.	133.	.028	0.000	.001	.054	1- 1	5	si
178	2	46.	133.	0.000	0.000	0.000	0.000	1- 1	0	si
179	2	46.	133.	.002	0.000	0.000	.009	1- 1	1	si
180	7	10.	53.	.021	0.000	0.000	.006	1- 1	2	si
181	7	10.	53.	.059	0.000	.003	.004	1- 1	6	si
182	7	10.	53.	0.000	0.000	0.000	0.000	1- 1	0	si
184	7	10.	53.	0.000	0.000	0.000	0.000	1- 1	0	si
185	7	10.	53.	0.000	0.000	0.000	0.000	1- 1	0	si
186	7	10.	53.	0.000	0.000	0.000	0.000	1- 1	0	si
188	7	10.	53.	0.000	0.000	0.000	0.000	1- 1	0	si
189	7	10.	53.	0.000	0.000	0.000	0.000	1- 1	0	si
190	7	10.	53.	0.000	0.000	0.000	0.000	1- 1	0	si
191	7	10.	53.	.029	0.000	0.000	.007	1- 1	3	si
192	7	10.	53.	.076	0.000	.005	.009	1- 1	8	si
193	7	10.	53.	0.000	0.000	0.000	0.000	1- 1	0	si
194	7	10.	53.	.062	0.000	.002	.027	1- 1	6	si
195	7	10.	53.	.093	.093	.006	.077	1- 1	9	si
196	4	8.	41.	.033	.035	.016	.005	1- 1	4	si
197	4	8.	41.	.117	.119	.076	.019	1- 1	12	si
198	4	8.	41.	.046	.054	.038	.060	1- 1	6	si
199	4	8.	41.	.075	.018	.006	.013	1- 1	8	si
200	4	8.	41.	.018	0.000	0.000	.041	1- 1	4	si
203	4	8.	41.	.011	0.000	0.000	.028	1- 1	3	si
223	4	8.	41.	.207	.266	.230	.095	1- 1	27	si
224	4	8.	41.	.211	.177	.136	.287	1- 1	29	si
225	4	8.	41.	.070	.070	.014	.016	1- 1	7	si
226	4	8.	41.	.195	.258	.218	.093	1- 1	26	si
227	4	8.	41.	.149	0.000	.023	.198	1- 1	20	si
228	4	8.	41.	.210	.268	.233	.096	1- 1	27	si
229	4	8.	41.	.218	.109	.118	.085	1- 1	22	si
230	4	8.	41.	.033	.035	.016	.005	1- 1	4	si
231	4	8.	41.	.118	.120	.074	.019	1- 1	12	si
232	4	8.	41.	.041	.051	.039	.003	1- 1	5	si
233	4	8.	41.	.103	0.000	.025	.021	1- 1	10	si
236	4	8.	41.	.011	0.000	0.000	.028	1- 1	3	si
246	4	8.	41.	.208	.267	.231	.096	1- 1	27	si
247	4	8.	41.	.211	.168	.128	.288	1- 1	29	si
248	4	8.	41.	.083	.085	.014	.016	1- 1	8	si
249	4	8.	41.	.192	.255	.214	.093	1- 1	26	si

250	4	8.	41.	.171	0.000	.030	.218	1- 1	22	si
251	4	8.	41.	.210	.268	.234	.096	1- 1	27	si
252	4	8.	41.	.217	.110	.117	.085	1- 1	22	si
253	4	8.	41.	.012	0.000	0.000	.027	1- 1	3	si
266	4	8.	41.	.176	.244	.200	.090	1- 1	24	si
268	4	8.	41.	.042	0.000	.002	.090	1- 1	9	si
269	7	10.	53.	.078	0.000	.005	.079	1- 1	8	si
272	4	8.	41.	.194	.134	.104	.080	1- 1	19	si
273	2	46.	133.	.015	0.000	0.000	.005	1- 1	2	si
274	4	8.	41.	.117	.123	.079	.034	1- 1	12	si
275	2	46.	133.	.008	0.000	0.000	.001	1- 1	1	si
276	2	46.	133.	.021	0.000	0.000	.004	1- 1	2	si
277	4	8.	41.	.186	.237	.195	.076	1- 1	24	si
278	4	8.	41.	.197	.167	.121	.252	1- 1	25	si
279	2	46.	133.	.019	0.000	0.000	.005	1- 1	2	si
280	2	46.	133.	.037	0.000	.001	.010	1- 1	4	si
281	4	8.	41.	.201	.179	.131	.264	1- 1	26	si
282	4	8.	41.	.201	.150	.098	.070	1- 1	20	si
283	2	46.	133.	.029	0.000	.001	.026	1- 1	3	si
284	4	8.	41.	.194	.261	.221	.078	1- 1	26	si
285	2	46.	133.	.020	0.000	0.000	.017	1- 1	2	si
286	4	8.	41.	.202	.170	.130	.089	1- 1	20	si
287	2	46.	133.	.019	0.000	0.000	.018	1- 1	2	si
290	4	8.	41.	.059	0.000	.003	.125	1- 1	12	si
291	7	10.	53.	0.000	0.000	0.000	0.000	1- 1	0	si
292	4	8.	41.	.064	0.000	.004	.131	1- 1	13	si
293	7	10.	53.	.091	0.000	.006	.032	1- 1	9	si
296	4	8.	41.	.202	.231	.190	.088	1- 1	23	si
297	2	46.	133.	.037	0.000	.001	.014	1- 1	4	si
298	2	46.	133.	.046	0.000	.002	.011	1- 1	5	si
299	4	8.	41.	.193	.246	.206	.078	1- 1	25	si
300	2	46.	133.	.045	0.000	.002	.016	1- 1	4	si
301	4	8.	41.	.197	.172	.124	.070	1- 1	20	si
302	4	8.	41.	.194	.181	.133	.071	1- 1	19	si
303	2	46.	133.	.068	0.000	.004	.009	1- 1	7	si
304	4	8.	41.	.206	.224	.188	.081	1- 1	22	si
305	2	46.	133.	.065	0.000	.003	.005	1- 1	6	si
306	4	8.	41.	.221	.134	.119	.097	1- 1	22	si
307	2	46.	133.	.046	0.000	.002	.011	1- 1	5	si
310	4	8.	41.	.040	0.000	.001	.108	1- 1	11	si
316	2	46.	133.	.048	0.000	.002	.009	1- 1	5	si
317	4	8.	41.	.147	.113	.064	.050	1- 1	15	si
320	2	46.	133.	.048	0.000	.002	.008	1- 1	5	si
321	4	8.	41.	.128	.086	.025	.180	1- 1	18	si
322	4	8.	41.	.161	.181	.134	.074	1- 1	18	si
323	2	46.	133.	.076	0.000	.005	.002	1- 1	8	si
324	4	8.	41.	.162	.157	.109	.075	1- 1	16	si
325	2	46.	133.	.079	0.000	.005	.001	1- 1	8	si
326	4	8.	41.	.187	.182	.135	.067	1- 1	19	si
327	2	46.	133.	.088	0.000	.007	.020	1- 1	9	si
328	4	8.	41.	.189	.187	.140	.069	1- 1	19	si
329	2	46.	133.	.083	0.000	.006	.003	1- 1	8	si
330	4	8.	41.	.186	.179	.131	.259	1- 1	26	si
331	2	46.	133.	.088	0.000	.007	.001	1- 1	9	si
332	4	8.	41.	.162	.148	.099	.075	1- 1	16	si
333	2	46.	133.	.079	0.000	.005	.001	1- 1	8	si
334	4	8.	41.	.122	.084	.016	.021	1- 1	12	si
335	2	46.	133.	.044	0.000	.002	.007	1- 1	4	si
340	2	46.	133.	.035	0.000	.001	.007	1- 1	4	si
341	4	8.	41.	.127	.087	.015	.016	1- 1	13	si
342	2	46.	133.	.019	0.000	0.000	.008	1- 1	2	si
343	4	8.	41.	.144	.144	.018	.020	1- 1	14	si
344	2	46.	133.	.063	0.000	.003	.072	1- 1	7	si
345	4	8.	41.	.155	.176	.124	.269	1- 1	27	si
346	2	46.	133.	.075	0.000	.005	.044	1- 1	8	si
347	4	8.	41.	.160	.155	.106	.075	1- 1	16	si
348	2	46.	133.	.084	0.000	.006	.003	1- 1	8	si
349	4	8.	41.	.187	.178	.131	.260	1- 1	26	si
350	4	8.	41.	.188	.180	.131	.261	1- 1	26	si
351	2	46.	133.	.071	0.000	.004	.008	1- 1	7	si
352	4	8.	41.	.188	.185	.138	.067	1- 1	19	si
353	2	46.	133.	.049	0.000	.002	.016	1- 1	5	si
354	4	8.	41.	.190	.193	.149	.067	1- 1	19	si
355	2	46.	133.	.022	0.000	0.000	.026	1- 1	3	si
356	4	8.	41.	.205	.169	.126	.080	1- 1	20	si
357	6	46.	173.	.042	0.000	.002	.023	1- 1	4	si
358	4	8.	41.	.205	.160	.121	.079	1- 1	20	si
359	8	46.	185.	.056	0.000	.003	.027	1- 1	6	si
360	4	8.	41.	.163	.163	.117	.280	1- 1	28	si
361	2	46.	133.	.044	0.000	.002	.101	1- 1	10	si
362	4	8.	41.	.188	.147	.085	.093	1- 1	19	si
363	2	46.	133.	.021	0.000	0.000	.018	1- 1	2	si
364	4	8.	41.	.092	.123	.073	.038	1- 1	12	si
365	6	46.	173.	.036	0.000	.001	.015	1- 1	4	si

366	2	46.	133.	0.000	0.000	0.000	0.000	1- 1	0	si
367	4	8.	41.	.093	0.000	.008	.161	1- 1	16	si
369	4	8.	41.	.022	0.000	0.000	.083	1- 1	8	si
370	6	46.	173.	.055	0.000	.003	.019	1- 1	6	si
371	4	8.	41.	.085	.089	.033	.155	1- 1	16	si
372	2	46.	133.	.081	0.000	.007	.019	1- 1	8	si
373	4	8.	41.	.213	.166	.124	.287	1- 1	29	si
375	4	8.	41.	.088	.090	.011	.011	1- 1	9	si
376	4	8.	41.	.198	.178	.132	.261	1- 1	26	si
378	4	8.	41.	.045	0.000	.002	.101	1- 1	10	si
379	7	10.	53.	.060	0.000	.003	.030	1- 1	6	si
380	4	8.	41.	.054	0.000	.003	.120	1- 1	12	si
381	7	10.	53.	0.000	0.000	0.000	0.000	1- 1	0	si
382	4	8.	41.	.054	0.000	.003	.120	1- 1	12	si
383	7	10.	53.	0.000	0.000	0.000	0.000	1- 1	0	si
384	4	8.	41.	.054	0.000	.003	.120	1- 1	12	si
385	7	10.	53.	0.000	0.000	0.000	0.000	1- 1	0	si
386	4	8.	41.	.054	0.000	.003	.120	1- 1	12	si
388	4	8.	41.	.054	0.000	.003	.120	1- 1	12	si
389	7	10.	53.	0.000	0.000	0.000	0.000	1- 1	0	si
390	4	8.	41.	.054	0.000	.003	.120	1- 1	12	si
391	7	10.	53.	0.000	0.000	0.000	0.000	1- 1	0	si
392	4	8.	41.	.045	0.000	.002	.106	1- 1	11	si
393	7	10.	53.	.035	.035	.001	.004	1- 1	4	si
394	4	8.	41.	.020	0.000	0.000	.078	1- 1	8	si
395	7	10.	53.	.028	0.000	.001	.004	1- 1	3	si
397	4	8.	41.	0.000	0.000	0.000	.006	1- 1	1	si
398	4	8.	41.	.131	0.000	.019	.031	1- 1	13	si
399	2	46.	133.	.012	0.000	0.000	.004	1- 1	1	si
400	4	8.	41.	.128	0.000	.017	.028	1- 1	13	si
401	2	46.	133.	.014	0.000	0.000	.013	1- 1	1	si
402	4	8.	41.	.121	.053	.016	.025	1- 1	12	si
403	2	46.	133.	.030	0.000	.001	.010	1- 1	3	si
404	4	8.	41.	.117	.118	.018	.023	1- 1	12	si
405	2	46.	133.	.040	0.000	.001	.006	1- 1	4	si
406	4	8.	41.	.116	.118	.021	.021	1- 1	12	si
407	2	46.	133.	.043	0.000	.002	.003	1- 1	4	si
408	4	8.	41.	.117	.120	.021	.139	1- 1	14	si
409	2	46.	133.	.043	0.000	.002	.001	1- 1	4	si
410	4	8.	41.	.123	.125	.020	.020	1- 1	12	si
411	2	46.	133.	.041	0.000	.001	.001	1- 1	4	si
412	4	8.	41.	.133	.133	.018	.025	1- 1	13	si
413	2	46.	133.	.033	0.000	.001	.005	1- 1	3	si
414	4	8.	41.	.145	0.000	.020	.184	1- 1	18	si
415	2	46.	133.	.019	0.000	0.000	.008	1- 1	2	si
416	4	8.	41.	.145	0.000	.020	.039	1- 1	14	si
417	2	46.	133.	0.000	0.000	0.000	0.000	1- 1	0	si
418	4	8.	41.	.022	0.000	0.000	.083	1- 1	8	si
421	4	8.	41.	.278	0.000	.075	.273	1- 1	28	si
422	6	46.	173.	.055	0.000	.003	.020	1- 1	6	si
423	4	8.	41.	.088	.094	.041	.026	1- 1	9	si
424	6	46.	173.	.036	0.000	.001	.015	1- 1	4	si
425	4	8.	41.	.097	.147	.093	.038	1- 1	15	si
426	2	46.	133.	.020	0.000	0.000	.018	1- 1	2	si
427	4	8.	41.	.183	.169	.122	.093	1- 1	18	si
428	2	46.	133.	.044	0.000	.002	.011	1- 1	4	si
429	4	8.	41.	.148	.222	.174	.266	1- 1	27	si
430	2	46.	133.	.063	0.000	.003	.006	1- 1	6	si
431	4	8.	41.	.149	.204	.156	.267	1- 1	27	si
432	2	46.	133.	.075	0.000	.005	.045	1- 1	8	si
433	4	8.	41.	.154	.189	.140	.073	1- 1	19	si
434	2	46.	133.	.080	0.000	.005	.016	1- 1	8	si
435	4	8.	41.	.158	.183	.134	.075	1- 1	18	si
436	2	46.	133.	.080	0.000	.005	0.000	1- 1	8	si
437	4	8.	41.	.162	.181	.133	.077	1- 1	18	si
438	2	46.	133.	.077	0.000	.005	.002	1- 1	8	si
439	4	8.	41.	.165	.180	.131	.077	1- 1	18	si
440	2	46.	133.	.066	0.000	.004	.069	1- 1	7	si
441	4	8.	41.	.167	.180	.132	.078	1- 1	18	si
442	2	46.	133.	.047	0.000	.002	.010	1- 1	5	si
443	4	8.	41.	.169	.187	.139	.078	1- 1	19	si
444	2	46.	133.	.020	0.000	0.000	.017	1- 1	2	si
445	4	8.	41.	.171	.206	.157	.078	1- 1	21	si
446	2	46.	133.	.023	0.000	0.000	.004	1- 1	2	si
447	4	8.	41.	.175	.191	.143	.078	1- 1	19	si
448	2	46.	133.	.009	0.000	0.000	.001	1- 1	1	si
449	4	8.	41.	.122	.109	.070	.189	1- 1	19	si
450	2	46.	133.	.019	0.000	0.000	.005	1- 1	2	si
451	4	8.	41.	.197	.167	.120	.251	1- 1	25	si
452	4	8.	41.	.198	.184	.138	.260	1- 1	26	si
453	2	46.	133.	.037	0.000	.001	.010	1- 1	4	si
454	4	8.	41.	.198	.166	.102	.259	1- 1	26	si
455	2	46.	133.	.030	0.000	.001	.026	1- 1	3	si
456	4	8.	41.	.194	.184	.137	.068	1- 1	19	si

457	2	46.	133.	.045	0.000	.002	.016	1- 1	4	si
458	4	8.	41.	.190	.197	.150	.067	1- 1	20	si
459	2	46.	133.	.069	0.000	.004	.008	1- 1	7	si
460	4	8.	41.	.188	.197	.150	.067	1- 1	20	si
461	2	46.	133.	.083	0.000	.006	.053	1- 1	8	si
462	4	8.	41.	.187	.192	.145	.259	1- 1	26	si
463	2	46.	133.	.088	0.000	.007	.001	1- 1	9	si
464	4	8.	41.	.186	.188	.140	.260	1- 1	26	si
465	2	46.	133.	.088	0.000	.007	.001	1- 1	9	si
466	4	8.	41.	.187	.186	.139	.261	1- 1	26	si
467	2	46.	133.	.085	0.000	.006	.003	1- 1	8	si
468	4	8.	41.	.189	.189	.141	.069	1- 1	19	si
469	2	46.	133.	.072	0.000	.004	.008	1- 1	7	si
470	4	8.	41.	.190	.194	.146	.069	1- 1	19	si
471	2	46.	133.	.050	0.000	.002	.015	1- 1	5	si
472	4	8.	41.	.190	.215	.170	.067	1- 1	22	si
473	2	46.	133.	.022	0.000	0.000	.025	1- 1	2	si
474	4	8.	41.	.206	.183	.139	.080	1- 1	21	si
475	6	46.	173.	.042	0.000	.001	.022	1- 1	4	si
476	4	8.	41.	.206	.169	.129	.079	1- 1	21	si
477	8	46.	185.	.056	0.000	.003	.026	1- 1	6	si
478	4	8.	41.	.252	.256	.235	.276	1- 1	28	si
479	2	46.	133.	.082	0.000	.006	.019	1- 1	8	si
480	4	8.	41.	.203	.172	.124	.072	1- 1	20	si
650	4	8.	41.	.084	0.000	.007	.154	1- 1	15	si
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659	4	8.	41.	.082	0.000	.006	.150	1- 1	15	si
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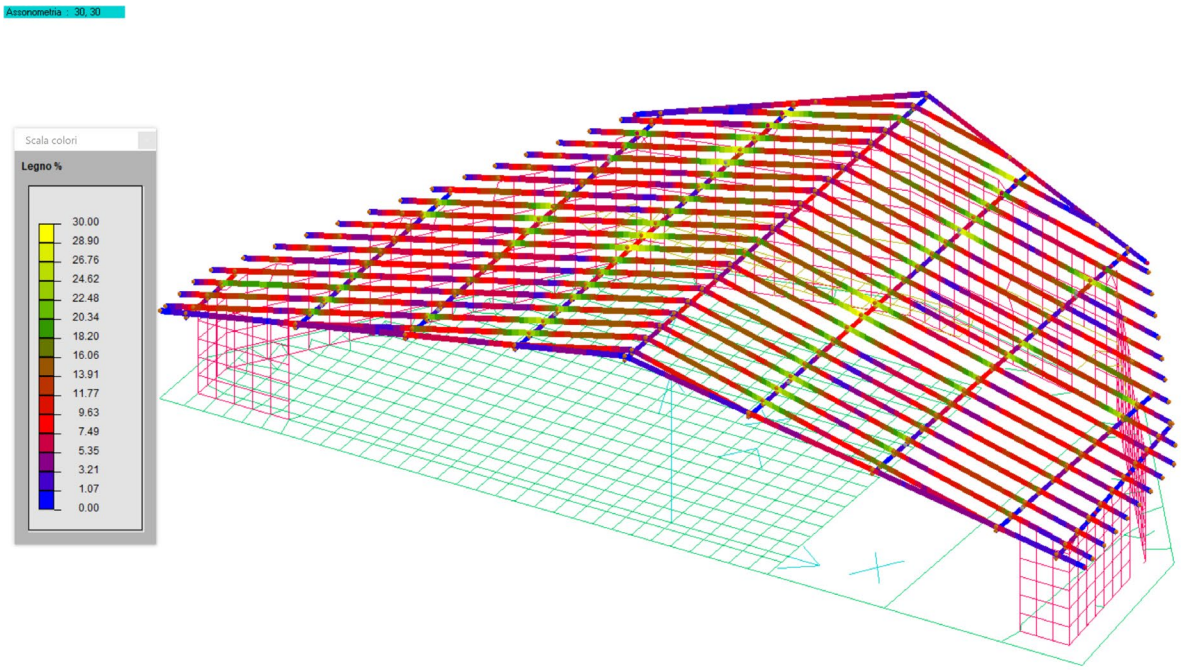
661	4	8.	41.	.085	0.000	.007	.155	1- 1	16	si
666	4	8.	41.	.082	0.000	.006	.150	1- 1	15	si
671	4	8.	41.	.054	0.000	.003	.113	1- 1	11	si
672	4	8.	41.	.095	0.000	.009	.156	1- 1	16	si
673	4	8.	41.	.085	0.000	.007	.154	1- 1	15	si
688	4	8.	41.	.085	0.000	.007	.155	1- 1	16	si
690	4	8.	41.	.167	.237	.191	.294	1- 1	29	si
695	4	8.	41.	.168	.237	.192	.293	1- 1	29	si
696	4	8.	41.	.176	.016	.049	.047	1- 1	18	si
697	4	8.	41.	.176	.016	.049	.047	1- 1	18	si
698	4	8.	41.	.052	0.000	.003	.105	1- 1	10	si
699	4	8.	41.	.052	0.000	.003	.105	1- 1	10	si
700	2	46.	133.	.014	0.000	0.000	.033	1- 1	3	si
701	2	46.	133.	.006	0.000	0.000	.011	1- 1	1	si
703	2	46.	133.	.045	0.000	.003	.099	1- 1	10	si
704	2	46.	133.	.018	0.000	.001	.005	1- 1	2	si
705	2	46.	133.	.009	0.000	0.000	.004	1- 1	1	si
706	2	46.	133.	.004	0.000	0.000	.001	1- 1	0	si
708	2	46.	133.	.046	0.000	.002	.100	1- 1	10	si
709	2	46.	133.	.019	0.000	.001	.006	1- 1	2	si
710	2	46.	133.	.009	0.000	0.000	.004	1- 1	1	si
711	2	46.	133.	.004	0.000	0.000	.001	1- 1	0	si
712	4	8.	41.	.103	.105	.033	.016	1- 1	10	si
713	4	8.	41.	.041	.044	.008	.020	1- 1	4	si
714	4	8.	41.	.065	.066	.023	.013	1- 1	7	si
715	4	8.	41.	.114	.120	.017	.071	1- 1	12	si
716	4	8.	41.	.064	.065	.023	.013	1- 1	6	si
717	4	8.	41.	.114	.120	.017	.075	1- 1	12	si
718	4	8.	41.	.102	.104	.030	.016	1- 1	10	si
719	4	8.	41.	.042	.045	.008	.020	1- 1	4	si
720	2	46.	133.	.057	0.000	.003	.024	1- 1	6	si
721	2	46.	133.	.019	0.000	0.000	.018	1- 1	2	si
722	2	46.	133.	.004	0.000	0.000	.005	1- 1	0	si
723	2	46.	133.	.002	0.000	0.000	.007	1- 1	1	si
725	2	46.	133.	.060	0.000	.004	.025	1- 1	6	si
726	2	46.	133.	.019	0.000	0.000	.018	1- 1	2	si
727	2	46.	133.	.004	0.000	0.000	.004	1- 1	0	si
728	2	46.	133.	.002	0.000	0.000	.007	1- 1	1	si



DOTTORE INGEGNERE
AUGUSTO FOSSON
N. 164 DI ISCRIZIONE
ALL'ALBO DEGLI INGEGNERI
DELLA VALLE D'AOSTA