

**NUOVA LINEA TORINO LIONE - NOUVELLE LIGNE LYON TURIN  
PARTE COMUNE ITALO-FRANCESE - PARTIE COMMUNE FRANCO-ITALIENNE**

**LOTTO COSTRUTTIVO 1 / LOT DE CONSTRUCTION 1  
CANTIERE OPERATIVO 02C / CHANTIER DE CONSTRUCTION 02C  
RILOCALIZZAZIONE DELL'AUTOPORTO DI SUSA  
DEPLACEMENT DE L'AUTOPORTO DE SUSE  
PROGETTO ESECUTIVO - ETUDES D'EXECUTION  
CUP C11J05000030001 - CIG 682325367F**

**FABBRICATI**

**PCC - POSTO CONTROLLO CENTRALIZZATO**

**RELAZIONE DI CALCOLO - SCALA METALLICA E VANO ASCENSORE**

Indice	Date / Data	Modifications / Modifiche	Etabli par / Concepito da	Vérifié par / Controllato da	Autorisé par / Autorizzato da
0	30/04/2017	Prima emissione Première diffusion	C. PROCOPIO (-)	L.BARBERIS (MUSINET ENG.)	F.D'AMBRA (MUSINET ENG.)
A	31/08/2017	Revisone a seguito commenti TELT Révision suite aux commentaires TELT	C. PROCOPIO (-)	L.BARBERIS (MUSINET ENG.)	F.D'AMBRA (MUSINET ENG.)
B	30/04/2018	Recepimento istruttoria validazione RINA Check	P. LESCE (MUSINET ENG.)	P. D'ALOISIO (MUSINET ENG.)	L. BARBERIS (MUSINET ENG.)

1	0	2	C	C	1	6	1	6	7	F	A	A	2	O	G	
Lot. Cos. Lot Con.	Cantiere operativo/ chantier de construction		Contratto/Contrat				Opera/Oeuvre		Tratto Tronçon	Parte Partie						

E	S	T	R	E	1	6	5	2	B
Fase Phase	Tipo documento Type de document		Oggetto Object		Numero documento Numéro de document			Indice Index	

INTEGRAZIONE PRESTAZIONI SPECIALISTICHE/  
/INTÉGRATION SPÉCIALISTE




Dott. Ing. Piero D'ALOISIO  
Albo di Torino  
N° 5193 S

**SCALA / ÉCHELLE**

-

IL PROGETTISTA/LE DESIGNER



Dott. Arch. Corrado GIOVANNETTI  
Albo di Torino  
N° 2736

L'APPALTATORE/L'ENTREPRENEUR

IL DIRETTORE DEI LAVORI/LE MAÎTRE D'ŒUVRE

## SOMMAIRE / INDICE

1. VERIFICA SCALA METALLICA .....	4
1.1 Materiali.....	4
1.2 Scala metallica .....	4
1.2.1 Analisi dei carichi .....	6
1.2.1.1 Peso proprio .....	6
1.2.1.1 Parapetto vetrato .....	7
1.2.1.1 Azione di esercizio.....	8
1.2.1.1 Azioni sui parapetti .....	8
1.2.1.1 Sisma.....	9
1.2.2 Condizioni e casi di carico .....	9
1.2.3 Diagrammi di sollecitazione .....	12
1.2.3.1 Mz sui cosciali .....	12
1.2.3.2 My su gradini e parapetto.....	13
1.2.3.3 Ty sui cosciali .....	13
1.2.3.4 Tz su gradini e parapetto.....	14
1.2.3.5 N su struttura completa .....	14
1.2.4 Verifica SLU/SLV .....	15
1.2.5 Calcolo dello stato deformativo .....	221
1.2.6 Calcolo connessioni a terra .....	222
1.2.7 Calcolo connessioni in sommità .....	227
1.2.8 Calcolo connessioni in sommità dei tiranti.....	232
2. VERIFICA STRUTTURA VANO ASCENSORE .....	238
2.1 Materiali.....	238
2.2 Modello FEM.....	238
2.2.1 Analisi dei carichi .....	253
2.2.1.1 Peso proprio .....	253
2.2.1.2 Azioni permanenti.....	253
2.2.1.3 Azione di esercizio.....	254
2.2.1.1 Azioni in fase di montaggio .....	256
2.2.1.2 Sisma.....	258
2.2.2 Condizioni e casi di carico .....	258
2.3 Diagrammi di sollecitazione .....	263
2.3.1 Sforzo normale.....	263
2.3.2 My .....	264
2.3.3 Mz .....	264
2.3.4 Ty .....	265
2.3.5 Tz265	
2.4 Riepilogo delle verifiche strutturali SLU/SLV .....	265
2.5 Riepilogo delle verifiche strutturali SLU/SLV .....	267
2.6 Verifica estesa SLU/SLV .....	267
2.7 Calcolo dello stato deformativo.....	421
2.8 Verifica connessioni .....	421
2.8.1 Connessioni di base dei montanti.....	421
2.8.2 Connessioni in sommità dei montanti.....	427
2.8.3 Connessioni intermedie.....	431

2.9 Verifica fossa in c.a. .... 436

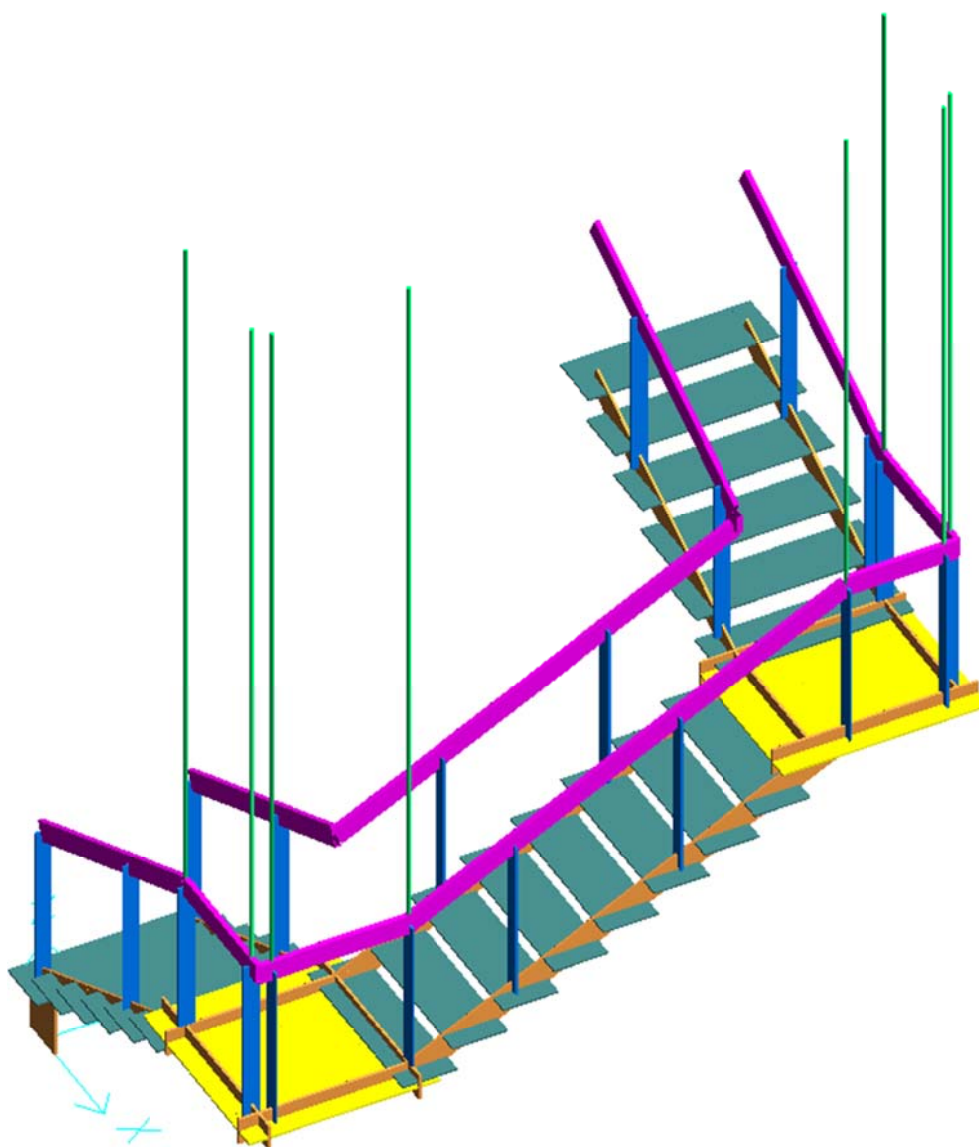
## 1. VERIFICA SCALA METALLICA

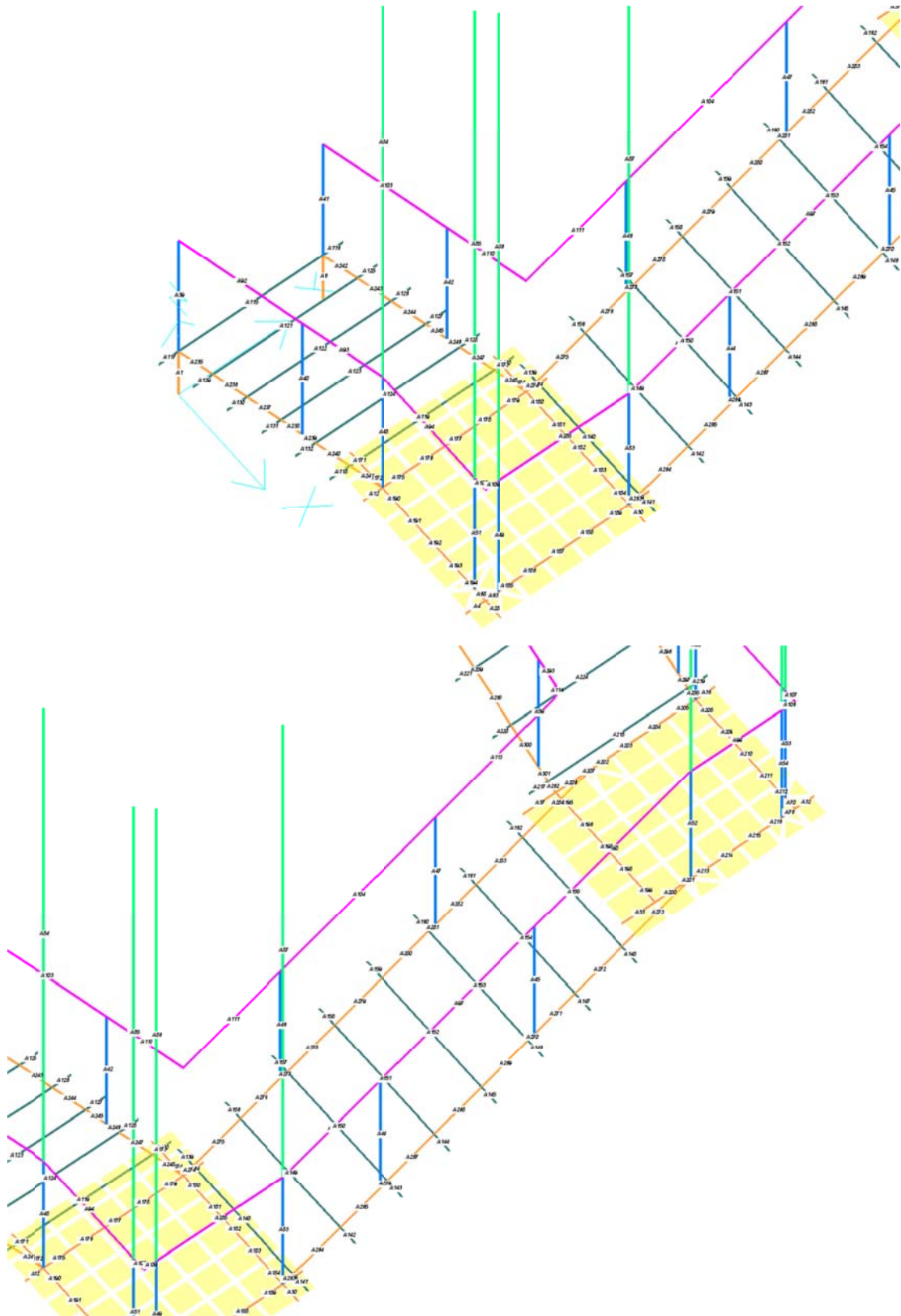
Questo capitolo riporta la verifica della struttura in acciaio della scala metallica. A tal fine è stato assemblato un modello agli elementi finiti di cui si riportano qui di seguito la vista tridimensionale con ingombri e la numerazione degli elementi strutturali a cui fare riferimento per la lettura dei tabulati di verifica (software Dolmen 16). Per la validazione del software si faccia riferimento al documento NV05\_F\_2\_E\_CL\_FA\_1700\_0.

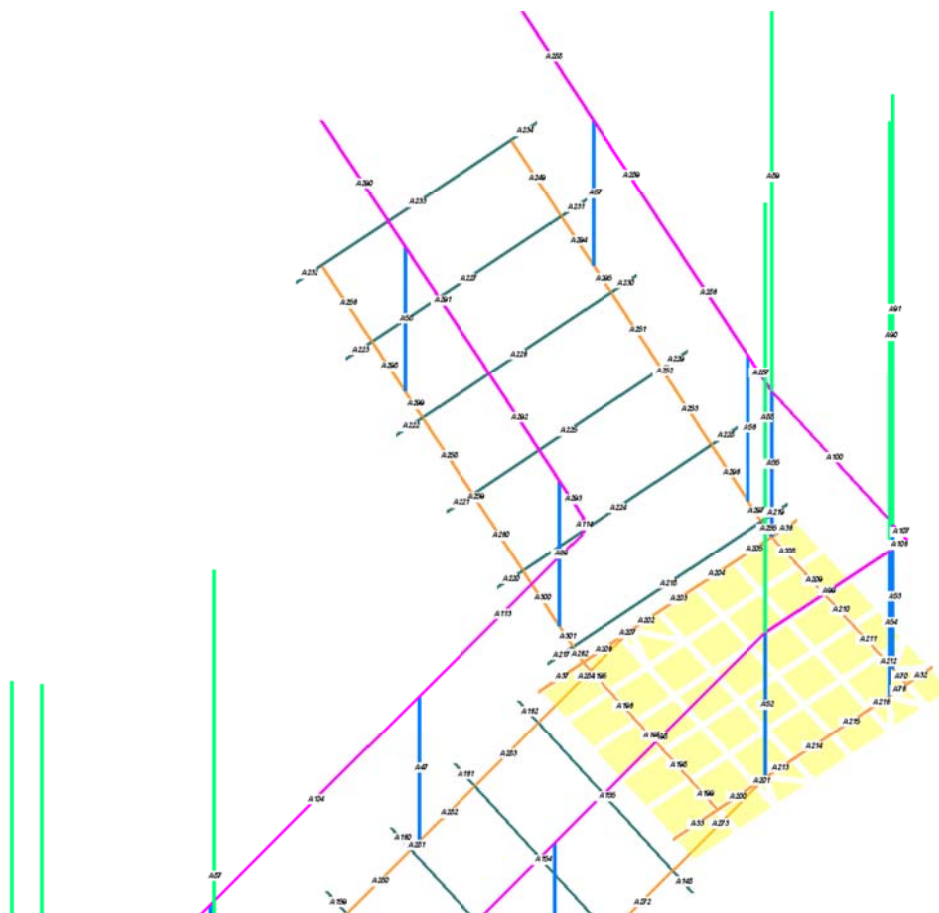
### 1.1 Materiali

Acciaio per carpenteria metallica: S355

### 1.2 Scala metallica



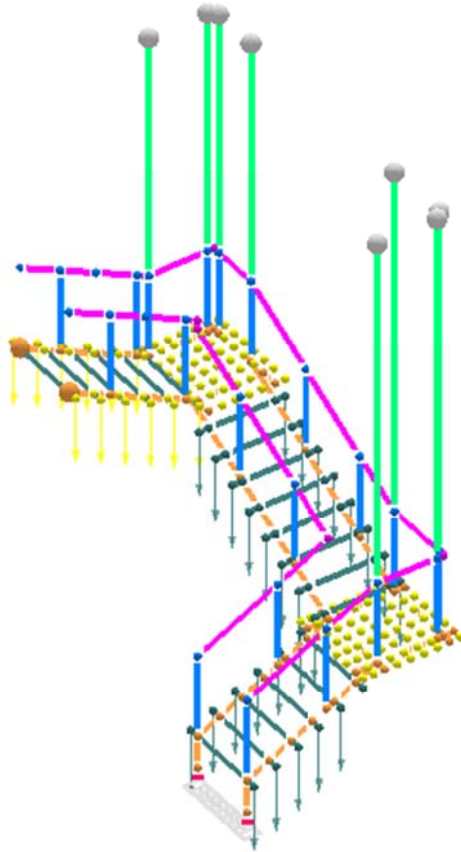




## 1.2.1 Analisi dei carichi

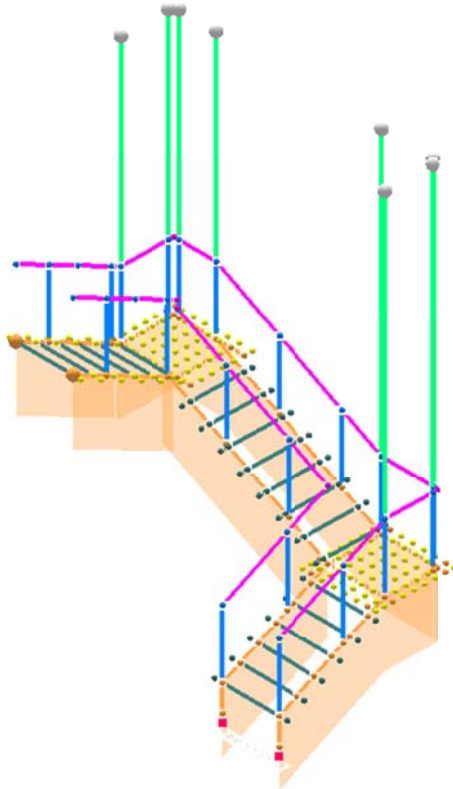
### 1.2.1.1 Peso proprio

Il peso proprio è calcolato in automatico dal software in uso sulla base della reale geometria degli elementi e del peso dell'acciaio pari a  $7850 \text{ daN/m}^3$ . Al fine di tenere in conto i pesi delle parti non modellate, consistenti nella scalettatura dei cosciali e degli elementi di raccordo delle coppie di gradini, si è applicata un'azione nodale di  $10 \text{ daN}$  a ogni nodo di intersezione tra elementi gradino e cosciali. Il peso proprio non è visualizzabile si riporta invece l'immagine con le forze relative ai gradini:



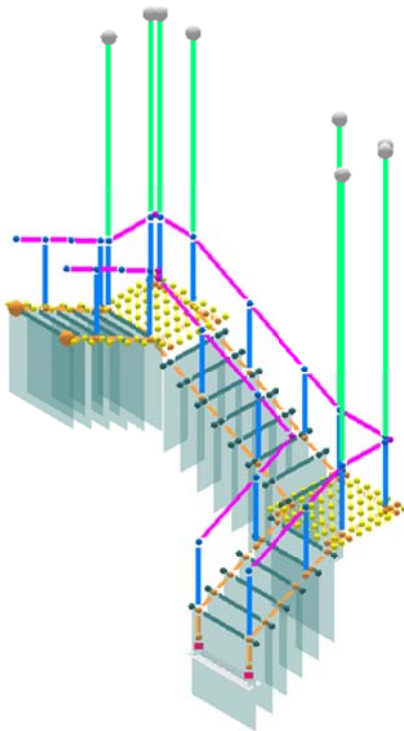
### ***1.2.1.1 Parapetto vetrato***

Per il parapetto vetrato si considera un carico di 60 daN/m applicato ai cosciali.



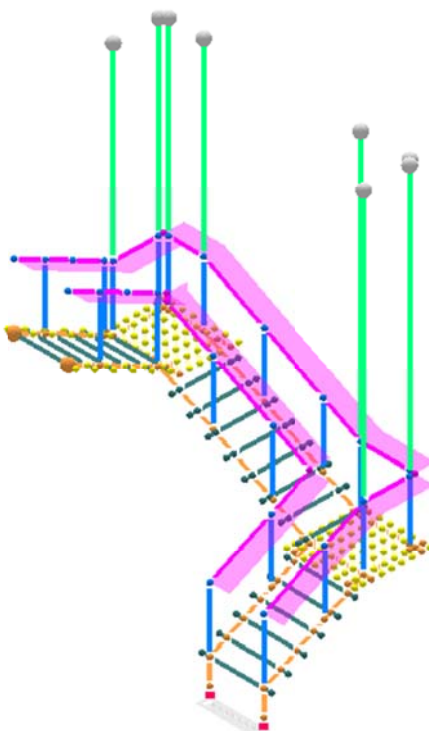
### 1.2.1.1 Azione di esercizio

Si considera per ogni gradino un carico di 160 daN/m pari al prodotto tra il valore di normativa di 400 daN/m<sup>2</sup> e la larghezza della pedata di 40 cm. Sui pianerottoli, modellati come elementi gudcio, si applica un'azione uniformemente distribuita pari a 400 daN/m<sup>2</sup>.



### 1.2.1.1 Azioni sui parapetti

Sui parapetti agisce un carico uniformemente distribuito pari a 200 daN/m applicati ortogonalmente all'asse dell'elemento parapetto e orientato verso l'esterno della scala.





**1.2.1.1 Sisma**

Per la definizione dell'azione sismica si veda il paragrafo 4.7 dell'elaborato NV05\_F\_2\_E\_CL\_FA\_1700\_0.

**1.2.2 Condizioni e casi di carico**

CONDIZIONI DI CARICO----- ----- ----- ----- num.=			40
Nome			
1	Peso_proprio_____	N. carichi: 387	
	Lista carichi: 40-82, 3677-3907, 4021-4133		
2	gradini	N. carichi: 39	
	Lista carichi: 1-39		
3	parapetto	N. carichi: 77	
	Lista carichi: 3512-3588		
4	esercizio	N. carichi: 173	
	Lista carichi: 3589-3648, 3908-4020		
5	az_su_parapetto	N. carichi: 28	
	Lista carichi: 3649-3676		
6	Autovett_001_(Y)	N. carichi: 126	
	Lista carichi: 83-208		
7	Autovett_002_(X)	N. carichi: 112	
	Lista carichi: 209-320		
8	Autovett_002_(Y)	N. carichi: 58	
	Lista carichi: 321-378		
9	Autovett_003_(X)	N. carichi: 97	
	Lista carichi: 379-475		
10	Autovett_003_(Y)	N. carichi: 110	
	Lista carichi: 476-585		
11	Autovett_004_(X)	N. carichi: 84	
	Lista carichi: 586-669		
12	Autovett_004_(Y)	N. carichi: 54	
	Lista carichi: 670-723		
13	Autovett_006_(X)	N. carichi: 116	
	Lista carichi: 724-839		
14	Autovett_006_(Y)	N. carichi: 22	
	Lista carichi: 840-861		
15	Autovett_007_(X)	N. carichi: 121	
	Lista carichi: 862-982		
16	Autovett_007_(Y)	N. carichi: 6	
	Lista carichi: 983-988		
17	Autovett_008_(X)	N. carichi: 115	
	Lista carichi: 989-1103		
18	Autovett_008_(Y)	N. carichi: 43	
	Lista carichi: 1104-1146		
19	Autovett_009_(X)	N. carichi: 92	
	Lista carichi: 1147-1238		
20	Autovett_009_(Y)	N. carichi: 43	
	Lista carichi: 1239-1281		
21	Autovett_014_(X)	N. carichi: 97	
	Lista carichi: 1282-1378		
22	Autovett_014_(Y)	N. carichi: 41	
	Lista carichi: 1379-1419		

23	Autovett_015_(X)	N. carichi:	91
	Lista carichi: 1420-1510		
24	Autovett_015_(Y)	N. carichi:	3
	Lista carichi: 1511-1513		
25	Autovett_017_(X)	N. carichi:	117
	Lista carichi: 1514-1630		
26	Autovett_017_(Y)	N. carichi:	82
	Lista carichi: 1631-1712		
27	Autovett_022_(X)	N. carichi:	119
	Lista carichi: 1713-1831		
28	Autovett_022_(Y)	N. carichi:	66
	Lista carichi: 1832-1897		
29	Autovett_024_(X)	N. carichi:	80
	Lista carichi: 1898-1977		
30	Autovett_024_(Y)	N. carichi:	59
	Lista carichi: 1978-2036		
31	Autovett_030_(X)	N. carichi:	110
	Lista carichi: 2037-2146		
32	Autovett_030_(Y)	N. carichi:	39
	Lista carichi: 2147-2185		
33	Autovett_033_(X)	N. carichi:	118
	Lista carichi: 2186-2303		
34	Autovett_033_(Y)	N. carichi:	35
	Lista carichi: 2304-2338		
35	Autovett_036_(X)	N. carichi:	99
	Lista carichi: 2339-2437		
36	Autovett_036_(Y)	N. carichi:	24
	Lista carichi: 2438-2461		
37	Sisma_X	N. carichi:	263
	Lista carichi: 2462-2724		
38	Sisma_Y	N. carichi:	263
	Lista carichi: 2725-2987		
39	Torcente_add._X	N. carichi:	263
	Lista carichi: 2988-3250		
40	Torcente_add._Y	N. carichi:	261
	Lista carichi: 3251-3511		

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

cond.	FX	FY	FZ	MX	MY	MZ
1	0.000000E+00	0.000000E+00	-3.844380E+03	-9.416630E+05	7.038918E+05	0.000000E+00
2	0.000000E+00	0.000000E+00	-3.900000E+02	-9.997793E+04	5.927565E+04	0.000000E+00
3	0.000000E+00	0.000000E+00	-1.180231E+03	-3.009402E+05	2.196414E+05	0.000000E+00
4	0.000000E+00	0.000000E+00	-5.810899E+03	-1.427384E+06	1.013558E+06	0.000000E+00
5	2.030518E+03	-2.137737E+03	0.000000E+00	7.515091E+05	7.069961E+05	-7.874408E+05
6	0.000000E+00	2.357130E+03	0.000000E+00	-5.056057E+05	0.000000E+00	4.723944E+05
7	9.308100E+02	0.000000E+00	0.000000E+00	0.000000E+00	1.820780E+05	-1.804664E+05
8	0.000000E+00	3.600000E+00	0.000000E+00	9.615958E+02	0.000000E+00	-1.358115E+03
9	1.050700E+02	0.000000E+00	0.000000E+00	0.000000E+00	2.356398E+04	-1.751641E+04
10	0.000000E+00	4.990000E+00	0.000000E+00	4.479161E+03	0.000000E+00	-4.834918E+03
11	1.762800E+02	0.000000E+00	0.000000E+00	0.000000E+00	3.461744E+04	-4.626075E+04
12	0.000000E+00	6.210000E+00	0.000000E+00	1.776161E+02	0.000000E+00	-6.896668E+02
13	1.511000E+02	0.000000E+00	0.000000E+00	0.000000E+00	-6.719181E+03	3.125560E+04
14	0.000000E+00	1.420000E+00	0.000000E+00	-2.823061E+02	0.000000E+00	3.311140E+01
15	2.063300E+02	0.000000E+00	0.000000E+00	0.000000E+00	5.935944E+04	-5.801403E+04
16	0.000000E+00	4.700000E-01	0.000000E+00	-2.846794E+02	0.000000E+00	5.253300E+01
17	5.712000E+01	0.000000E+00	0.000000E+00	0.000000E+00	5.614431E+03	4.725231E+03
18	0.000000E+00	1.240000E+00	0.000000E+00	-6.300548E+02	0.000000E+00	1.992106E+02

19	6.552000E+01	0.000000E+00	0.000000E+00	0.000000E+00	1.594663E+04	-1.056087E+04		
20	0.000000E+00	1.909000E+01	0.000000E+00	-8.591883E+03	0.000000E+00	1.083030E+03		
21	3.020000E+01	0.000000E+00	0.000000E+00	0.000000E+00	5.050241E+03	-6.584256E+03		
22	0.000000E+00	2.750000E+00	0.000000E+00	1.117812E+02	0.000000E+00	3.366535E+02		
23	4.299000E+01	0.000000E+00	0.000000E+00	0.000000E+00	6.733057E+03	-7.069588E+03		
24	0.000000E+00	-4.000000E-02	0.000000E+00	2.460260E+01	0.000000E+00	2.279460E+01		
25	7.597000E+01	0.000000E+00	0.000000E+00	0.000000E+00	1.757193E+04	-1.490797E+04		
26	0.000000E+00	1.950000E+00	0.000000E+00	-5.292330E+01	0.000000E+00	5.680884E+02		
27	5.331000E+01	0.000000E+00	0.000000E+00	0.000000E+00	2.139897E+04	-3.301150E+04		
28	0.000000E+00	6.900000E-01	0.000000E+00	3.951883E+02	0.000000E+00	-3.056320E+01		
29	2.287000E+01	0.000000E+00	0.000000E+00	0.000000E+00	6.963399E+03	-9.481974E+03		
30	0.000000E+00	6.750000E+00	0.000000E+00	-2.165354E+03	0.000000E+00	3.512982E+02		
31	5.538000E+01	0.000000E+00	0.000000E+00	0.000000E+00	1.649963E+04	-2.097873E+04		
32	0.000000E+00	-3.300000E-01	0.000000E+00	-1.666777E+02	0.000000E+00	-7.844165E+02		
33	3.813000E+01	0.000000E+00	0.000000E+00	0.000000E+00	9.878656E+03	-1.257413E+04		
34	0.000000E+00	1.310000E+00	0.000000E+00	-2.477859E+02	0.000000E+00	5.675663E+02		
35	1.078300E+02	0.000000E+00	0.000000E+00	0.000000E+00	3.384581E+04	-5.128857E+04		
36	0.000000E+00	-7.500000E-01	0.000000E+00	8.811100E+01	0.000000E+00	-2.891976E+02		
37	2.536824E+03	0.000000E+00	0.000000E+00	0.000000E+00	7.523177E+05	-7.926262E+05		
38	0.000000E+00	2.536824E+03	0.000000E+00	-7.523177E+05	0.000000E+00	4.659605E+05		
39	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	2.640604E+03	-3.804779E+04		
40	0.000000E+00	0.000000E+00	0.000000E+00	3.516233E+02	0.000000E+00	2.550709E+04		

NOME	DESCRIZIONE	VERIFICA	TIPO	CONDIZ. INSERITE			CASI INSERITI	
				Num.	Coeff.	Segno	Num.	Coeff.
1	SLU SENZA SISMA	S. L. U.	somma	1	1.300	+		
				2	1.300	+		
				3	1.500	+		
				4	1.500	+		
				5	1.500	+		
2	SISMAX SLU	nessuna	somma	7	1.000	quadr.		
				9	1.000	quadr.		
				11	1.000	quadr.		
				13	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.		
33	1.000	quadr.						
34	1.000	quadr.						
35	1.000	quadr.						
38	1.000	±						
3	SISMAX SLU	nessuna	somma	6	1.000	quadr.		
				8	1.000	quadr.		
				10	1.000	quadr.		
				12	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.		
				39	1.000	±		
4	SLU con SISMAX PRINC	S. L. U.	somma	1	1.000	+	2	1.000
				2	1.000	+	3	0.300
				3	1.000	+		
				4	0.600	+		
				5	0.600	+		
5	SLU con SISMAX PRINC	S. L. U.	somma	1	1.000	+	3	1.000
				2	1.000	+	2	0.300
				3	1.000	+		
				4	0.600	+		
				5	0.600	+		
6	SLD con SISMAX PRINC	S. L. Danno	somma	1	1.000	+	2	0.633
				2	1.000	+	3	0.190
				3	1.000	+		
				4	0.600	+		
				5	0.600	+		

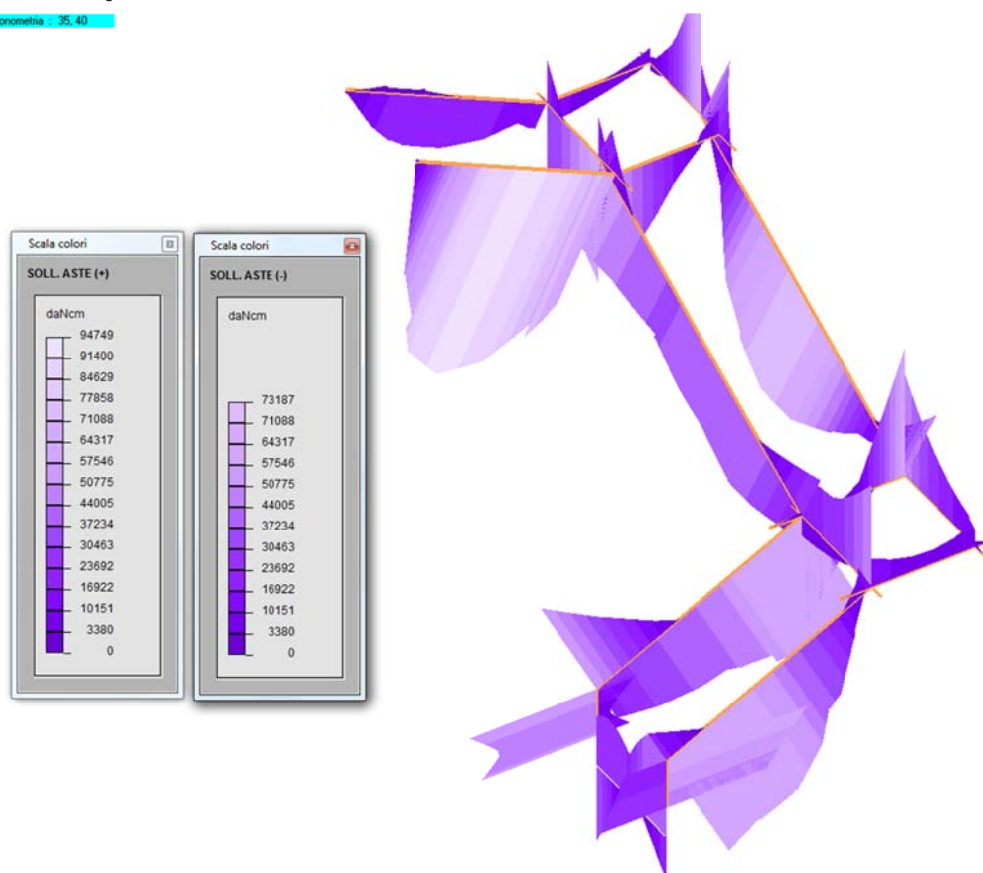
7	SLD con SI SMAY PRINC	S. L. Danno	somma	1	1.000	+	3	0.633		
				2	1.000	+			2	0.190
				3	1.000	+				
				4	0.600	+				
				5	0.600	+				
8	Rara	Rara	somma	1	1.000	+				
				2	1.000	+				
				3	1.000	+				
				4	1.000	+				
				5	1.000	+				
9	Frequente	Freq.	somma	1	1.000	+				
				2	1.000	+				
				3	1.000	+				
				4	0.700	+				
				5	0.700	+				
10	Quasi Perm	Quasi Perm.	somma	1	1.000	+				
				2	1.000	+				
				3	1.000	+				
				4	0.600	+				
				5	0.600	+				

### 1.2.3 Diagrammi di sollecitazione

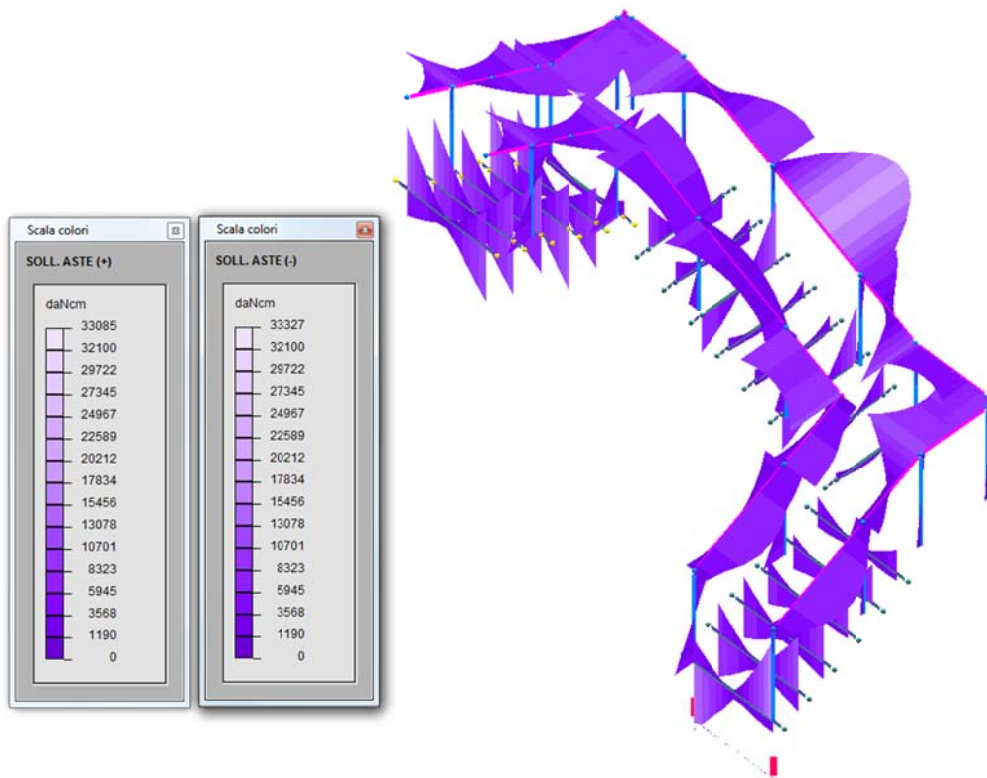
Si riportano i diagrammi di sollecitazione nell'involuppo SLU/SLV sui cosciali. La particolare geometria della struttura non consente una facile lettura dei diagrammi e per questo motivo si riportano solo le sollecitazioni sugli elementi maggiormente impegnati dalla corrispondente sollecitazione. I momenti e i tagli sono rappresentati nel piano in cui agiscono.

#### 1.2.3.1 $M_z$ sui cosciali

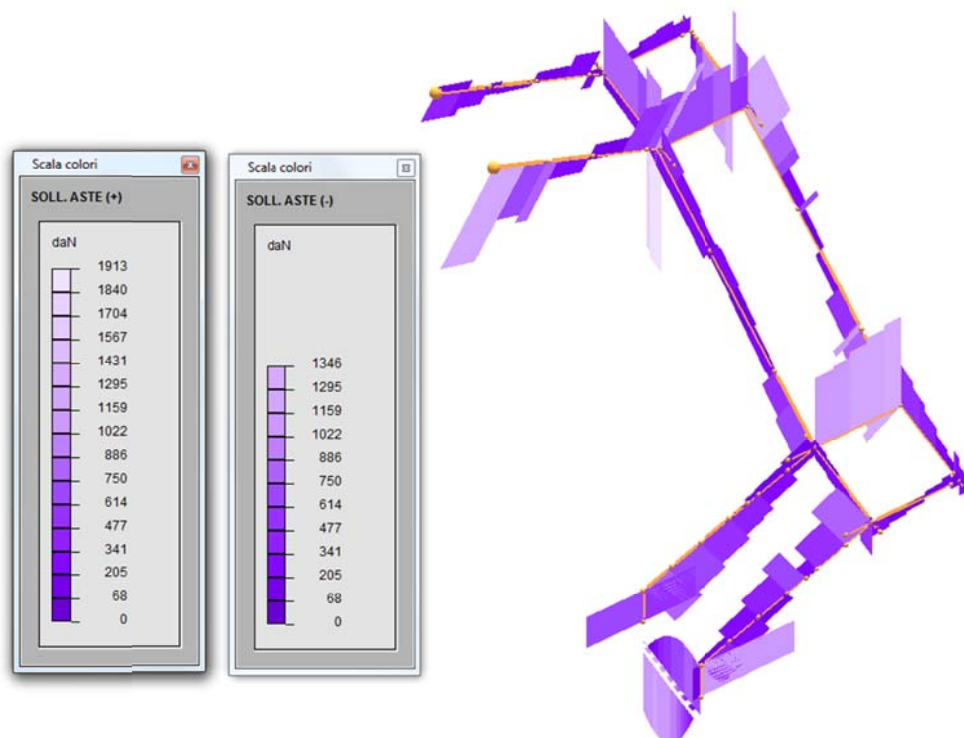
Assonometria : 35,40



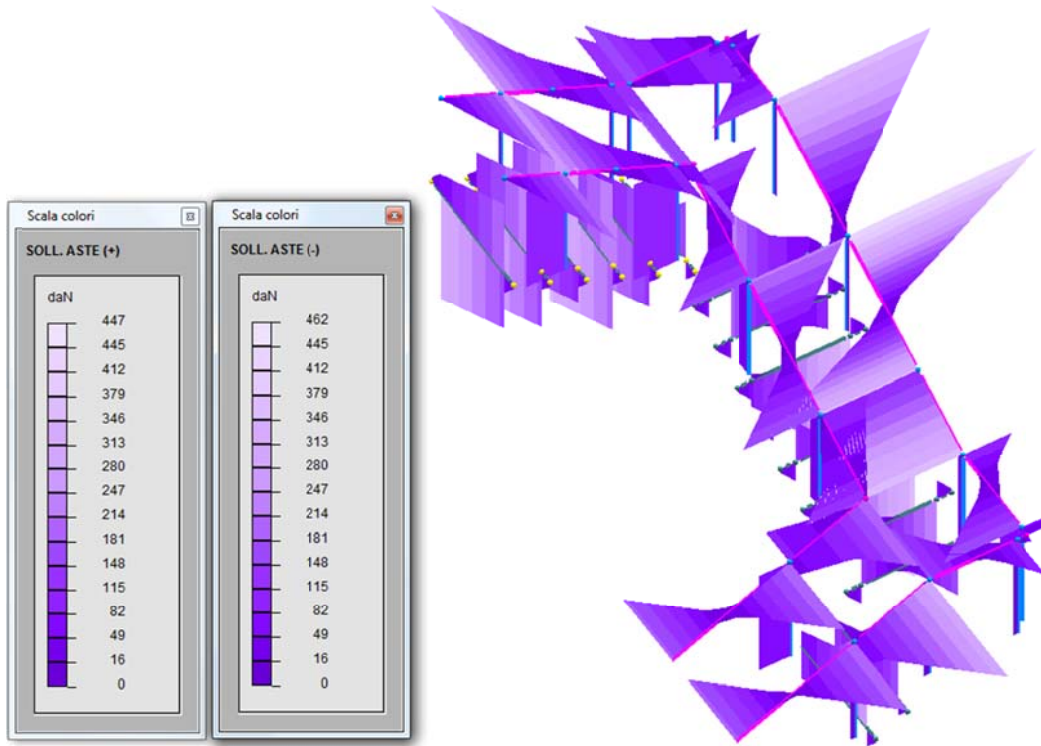
### 1.2.3.2 My su gradini e parapetto



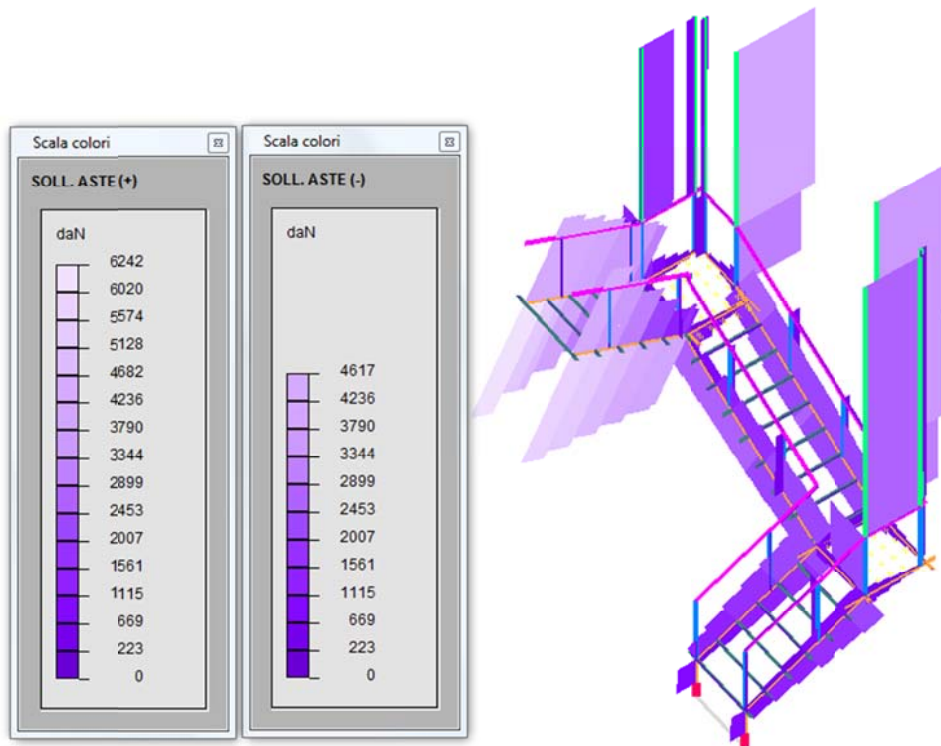
### 1.2.3.3 Ty sui cosciali



### 1.2.3.4 $T_z$ su gradini e parapetto



### 1.2.3.5 $N$ su struttura completa



## 1.2.4 Verifica SLU/SLV

VERIFICA ELEMENTI IN ACCIAIO  
lavoro : PCCSC1

Unità di misura:  
Lunghezze: cm  
Prop. Sez.: cm  
Forze: daN  
Momenti: daNcm  
Tensioni: daN/cm<sup>2</sup>

MATERIALI  
S355 (EN 10025-2): Mod. El. = 2100000.0; gM = 1.050;  
fyk = 3550.0(3350.0 per sp>40 mm); fyd = 3381.0(3190.5 per sp>40 mm).

CASI DI CARICO	Descrizione	Solli
1	SLU SENZA SISMA	1
4	SLU con SISMAX PRINC	16
5	SLU con SISMAX PRINC	16

CARATTERISTICHE GEOMETRICHE

RETTANGOLARE\_S003 ( 3 ) :  
A = 40.0000E+00 Jz= 1.3333E+03 Jy= 13.3333E+00 Jt= 49.9834E+00  
base= 2. ; alt= 20.

RETTANGOLARE\_S004 ( 4 ) :  
A = 18.0000E+00 Jz=216.0000E+00 Jy= 3.3750E+00 Jt= 12.4378E+00  
base= 2. ; alt= 12.

CIRCOLARE\_S005 ( 5 ) :  
A = 6.9529E+00 Jz= 3.8472E+00 Jy= 3.8472E+00 Jt= 7.9522E+00  
Diam= 3.

CASSONE\_S006 ( 6 ) :  
A = 18.0000E+00 Jz=439.0000E+00 Jy= 48.5000E+00 Jt=143.0868E+00  
base= 4. ; alt= 15. ; spsup= 0. ; spsx= 0. ; spdx= 0. ; spinf= 0.

RETTANGOLARE\_S007 ( 7 ) :  
A = 60.0000E+00 Jz= 8.0000E+03 Jy= 11.2500E+00 Jt= 43.9381E+00  
base= 2. ; alt= 40.

RETTANGOLARE\_S008 ( 8 ) :  
A = 52.5000E+00 Jz= 5.3594E+03 Jy= 9.8438E+00 Jt= 38.3132E+00  
base= 2. ; alt= 35.

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 6- 5) 4  
----- PROGR. 0.

SOLLECITAZIONI		MZ	MY	MT	N	TZ	TY
Caso	1-1	809.9	0.0	-453.7	9.8	-0.7	-205.8
TENSIONI (Sz= 0.00) :							
Caso	Ve No	massimi	Sx	Tz	Ty	Si	
1-1	si 4	Sx	6.3	0.0	18.2	32.2	
1-1	si 7	Tz	-5.8	0.0	0.0	5.8	
1-1	si 5	TySi	0.2	0.0	25.9	44.9	

SOLLECITAZIONI		MZ	MY	MT	N	TZ	TY
Caso	1-1	429.8	1.3	-453.7	9.8	-0.7	-206.5
TENSIONI (Sz= 0.00) :							
Caso	Ve No	massimi	Sx	Tz	Ty	Si	
1-1	si 4	Sx	3.6	0.0	18.2	31.7	
1-1	si 7	Tz	-3.0	0.0	0.0	3.0	
1-1	si 5	TySi	0.3	0.0	26.0	45.0	

SOLLECITAZIONI		MZ	MY	MT	N	TZ	TY
Caso	4-7	51.5	0.9	-263.8	21.4	-0.2	-142.4
1-1	si 1	48.4	2.6	-453.7	9.8	-0.7	-207.3
TENSIONI (Sz= 0.00) :							
Caso	Ve No	massimi	Sx	Tz	Ty	Si	
4-7	si 4	Sx	1.0	0.0	10.6	18.4	
1-1	si 7	Tz	-0.1	0.0	0.0	0.1	
1-1	si 5	TySi	0.4	0.0	26.0	45.0	

SOLLECITAZIONI		MZ	MY	MT	N	TZ	TY
Caso	1-1	-334.5	3.8	-453.7	9.8	-0.7	-208.0
TENSIONI (Sz= 0.00) :							
Caso	Ve No	massimi	Sx	Tz	Ty	Si	
1-1	si 1	Sx	3.0	0.0	18.2	31.7	
1-1	si 7	Tz	2.8	0.0	0.0	2.8	
1-1	si 5	TySi	0.5	0.0	26.0	45.1	

SOLLECITAZIONI		MZ	MY	MT	N	TZ	TY
Caso	1-1	-718.7	5.1	-453.7	9.8	-0.7	-208.8
TENSIONI (Sz= 0.00) :							
Caso	Ve No	massimi	Sx	Tz	Ty	Si	
1-1	si 1	Sx	6.0	0.0	18.2	32.1	
1-1	si 7	Tz	5.6	0.0	0.0	5.6	
1-1	si 5	TySi	0.6	0.0	26.0	45.1	

SOLLECITAZIONI		MZ	MY	MT	N	TZ	TY
Caso	1-1	-1104.3	6.4	-453.7	9.8	-0.7	-209.5
TENSIONI (Sz= 0.00) :							
Caso	Ve No	massimi	Sx	Tz	Ty	Si	
1-1	si 1	Sx	9.0	0.0	18.2	32.8	
1-1	si 7	Tz	8.5	0.0	0.0	8.5	
1-1	si 5	TySi	0.7	0.0	26.1	45.2	

SOLLECITAZIONI		MZ	MY	MT	N	TZ	TY
Caso	1-1	-1491.3	7.7	-453.7	9.8	-0.7	-210.3
TENSIONI (Sz= 0.00) :							
Caso	Ve No	massimi	Sx	Tz	Ty	Si	
1-1	si 1	Sx	12.0	0.0	18.2	33.7	
1-1	si 7	Tz	11.4	0.0	0.0	11.4	
1-1	si 5	TySi	0.8	0.0	26.1	45.2	

-----										PROGR.	13.	
SOLLECI TAZI ONI :												
Caso	1-1		MZ		MY		MT		N	TZ	TY	
			-1879.7		9.0		-453.7		9.8	-0.7	-211.0	
TENSIONI (Sz= 0.00) :												
Caso	1-1	si	1	Sx			Tz		Ty	Si		
					15.0		0.0		18.2	34.9		
					14.3		0.0		0.0	14.3		
					0.9		0.0		26.1	45.3		
-----										PROGR.	15.	
SOLLECI TAZI ONI :												
Caso	1-1		MZ		MY		MT		N	TZ	TY	
			-2269.5		10.2		-453.7		9.8	-0.7	-211.8	
TENSIONI (Sz= 0.00) :												
Caso	1-1	si	1	Sx			Tz		Ty	Si		
					18.0		0.0		18.2	36.3		
					17.3		0.0		0.0	17.3		
					1.0		0.0		26.2	45.3		
-----												
VERI F I CA STABI LI TA` :												
Z	LO =	15.	Ro =	5.77	Im =	2.6	Ncr=	127020476.0	al fa(c )=	0.4900	ki=	1.0000
Y	Lc =	15.	Ro =	0.58	Im =	25.5	Ncr=	1270204.7	al fa(c )=	0.4900	ki=	0.9315
Caso 5-4 - Nodo 3 - Asse Y												
Ned =	-2.4	Mzeq =	-655.7	Myeq =	7.6	Ss =	-5.6	( 0.002)				
RETTANGOLARE_S003 ( 3) stato limite ultimo - ASTA ( 7- 12)										9		
-----										PROGR.	0.	
SOLLECI TAZI ONI :												
Caso	4-7		MZ		MY		MT		N	TZ	TY	
			-197.1		335.1		74.9		-112.1	21.6	18.0	
			-194.5		321.5		75.5		-110.4	20.7	17.8	
TENSIONI (Sz= 0.00) :												
Caso	4-7	si	3	Sx			Tz		Ty	Si		
					-29.4		0.0		3.0	29.9		
					-1.3		0.8		0.0	1.9		
					21.4		0.0		-3.7	22.3		
-----										PROGR.	2.	
SOLLECI TAZI ONI :												
Caso	4-7		MZ		MY		MT		N	TZ	TY	
			-162.8		293.2		74.9		-112.1	21.6	17.4	
			-160.5		281.3		75.5		-110.4	20.7	17.2	
TENSIONI (Sz= 0.00) :												
Caso	4-7	si	3	Sx			Tz		Ty	Si		
					-26.0		0.0		3.0	26.5		
					-1.6		0.8		0.0	2.1		
					18.3		0.0		-3.7	19.4		
-----										PROGR.	4.	
SOLLECI TAZI ONI :												
Caso	4-7		MZ		MY		MT		N	TZ	TY	
			-129.7		251.3		74.9		-112.1	21.6	16.8	
			-127.8		241.1		75.5		-110.4	20.7	16.6	
TENSIONI (Sz= 0.00) :												
Caso	4-7	si	3	Sx			Tz		Ty	Si		
					-22.6		0.0		3.0	23.2		
					-1.8		0.8		0.0	2.3		
					15.3		0.0		-3.7	16.6		
-----										PROGR.	6.	
SOLLECI TAZI ONI :												
Caso	4-7		MZ		MY		MT		N	TZ	TY	
			-97.7		209.4		74.9		-112.1	21.6	16.2	
			-96.2		200.9		75.5		-110.4	20.7	16.0	
TENSIONI (Sz= 0.00) :												
Caso	4-7	si	3	Sx			Tz		Ty	Si		
					-19.2		0.0		3.0	19.9		
					-2.1		0.8		0.0	2.5		
					12.3		0.0		-3.6	13.8		
-----										PROGR.	8.	
SOLLECI TAZI ONI :												
Caso	4-7		MZ		MY		MT		N	TZ	TY	
			-67.0		167.5		74.9		-112.1	21.6	15.6	
			-65.8		160.7		75.5		-110.4	20.7	15.4	
TENSIONI (Sz= 0.00) :												
Caso	4-7	si	3	Sx			Tz		Ty	Si		
					-15.9		0.0		3.0	16.7		
					-2.3		0.8		0.0	2.7		
					9.3		0.0		-3.6	11.2		
-----										PROGR.	10.	
SOLLECI TAZI ONI :												
Caso	4-7		MZ		MY		MT		N	TZ	TY	
			-37.5		125.6		74.9		-112.1	21.6	15.0	
			-36.7		120.6		75.5		-110.4	20.7	14.8	
TENSIONI (Sz= 0.00) :												
Caso	4-7	si	3	Sx			Tz		Ty	Si		
					-12.5		0.0		3.0	13.5		
					-2.5		0.8		0.0	2.9		
					6.3		0.0		-3.6	8.8		
					-12.2		0.0		-3.6	13.7		
-----										PROGR.	12.	
SOLLECI TAZI ONI :												
Caso	4-7		MZ		MY		MT		N	TZ	TY	
			-8.4		83.8		74.9		-112.1	21.6	14.4	
			-8.0		80.4		75.5		-110.4	20.7	14.2	
TENSIONI (Sz= 0.00) :												
Caso	4-7	si	3	Sx			Tz		Ty	Si		
					-9.1		0.0		3.0	10.5		
					-2.7		0.8		0.0	3.1		
					3.3		0.0		-3.6	7.0		
					-9.1		0.0		-3.5	11.0		
-----										PROGR.	14.	
SOLLECI TAZI ONI :												
Caso	4-7		MZ		MY		MT		N	TZ	TY	
			18.6		41.9		74.9		-112.1	21.6	13.8	
			18.7		40.2		75.5		-110.4	20.7	13.6	
TENSIONI (Sz= 0.00) :												
Caso	4-7	si	2	Sx			Tz		Ty	Si		
					-6.1		0.0		3.0	8.0		
					-2.9		0.8		0.0	3.3		
					0.3		0.0		-3.5	6.1		
					-5.9		0.0		-3.5	8.5		
-----										PROGR.	16.	
SOLLECI TAZI ONI :												



Caso	MZ	MY	MT	N	TZ	TY	
4-7	44.5	0.0	74.9	-112.1	21.6	13.1	
4-8	44.2	0.0	75.5	-110.4	20.7	13.0	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-7	si	2	Sx	-3.1	0.0	3.0	6.1
4-7	si	7	Tz	-3.1	0.8	0.0	3.4
4-8	si	5	Ty	-2.8	0.0	-3.5	6.7
4-8	si	6	Si	-2.8	0.0	-3.5	6.7

VERIFICAZIONE STABILITÀ :

Z	LO = 16.	Ro = 5.77	Im = 2.7	Ncr=115025566.4	al fa(c) = 0.4900	ki = 1.0000
Y	Lc = 16.	Ro = 0.58	Im = 26.8	Ncr= 1150255.6	al fa(c) = 0.4900	ki = 0.9228
Caso 4-7 - Nodo 3 - Asse Y						
Ned	= -112.1	Mzeq =	-147.8	Myeq =	251.3	Ss = -23.0 ( 0.007)

RETTANGOLARE\_S003 ( 3) stato limite ultimo - ASTA ( 15- 3) 12 0.

Caso	MZ	MY	MT	N	TZ	TY	
4-8	29.7	0.0	89.8	-47.2	15.1	-15.4	
4-2	22.7	0.0	36.7	-27.4	-75.1	-11.4	
4-7	30.0	0.0	90.4	-47.0	15.2	-15.6	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-8	si	2	Sx	-1.4	0.0	3.6	6.4
4-2	si	7	Tz	-0.9	-2.8	0.0	5.0
4-7	si	5	Ty	-1.2	0.0	4.2	7.4
4-7	si	6	Si	-1.2	0.0	4.2	7.4

Caso	MZ	MY	MT	N	TZ	TY	
1-1	-21.2	130.3	32.2	-55.3	-70.7	-12.4	
4-2	1.2	138.5	36.7	-27.4	-75.1	-12.0	
4-7	0.7	-28.0	90.4	-47.0	15.2	-16.1	
4-1	1.2	138.5	37.4	-27.2	-75.1	-12.1	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	-11.3	0.0	1.3	11.5
4-2	si	7	Tz	-0.7	-2.8	0.0	4.9
4-7	si	5	Ty	-3.3	0.0	4.2	8.0
4-1	si	6	Si	-11.1	0.0	2.0	11.6

Caso	MZ	MY	MT	N	TZ	TY	
4-2	-21.4	277.1	36.7	-27.4	-75.1	-12.6	
4-7	-29.7	-55.9	90.4	-47.0	15.2	-16.7	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-2	si	3	Sx	-21.6	0.0	1.5	21.8
4-2	si	7	Tz	-0.5	-2.8	0.0	4.9
4-7	si	5	Ty	-5.4	0.0	4.3	9.1

Caso	MZ	MY	MT	N	TZ	TY	
4-2	-44.9	415.6	36.7	-27.4	-75.1	-13.2	
4-7	-61.3	-83.9	90.4	-47.0	15.2	-17.3	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-2	si	3	Sx	-32.2	0.0	1.5	32.3
4-2	si	7	Tz	-0.3	-2.8	0.0	4.9
4-7	si	5	Ty	-7.5	0.0	4.3	10.5

Caso	MZ	MY	MT	N	TZ	TY	
4-2	-69.4	554.1	36.7	-27.4	-75.1	-13.8	
4-7	-94.2	-111.8	90.4	-47.0	15.2	-17.9	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-2	si	3	Sx	-42.8	0.0	1.5	42.8
4-2	si	7	Tz	-0.2	-2.8	0.0	4.9
4-7	si	5	Ty	-9.6	0.0	4.3	12.1

Caso	MZ	MY	MT	N	TZ	TY	
4-2	-94.7	692.7	36.7	-27.4	-75.1	-14.3	
4-7	-128.2	-139.8	90.4	-47.0	15.2	-18.5	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-2	si	3	Sx	-53.3	0.0	1.5	53.4
4-2	si	7	Tz	0.0	-2.8	0.0	4.9
4-7	si	5	Ty	-11.7	0.0	4.3	13.9

Caso	MZ	MY	MT	N	TZ	TY	
4-2	-123.3	831.2	36.7	-27.4	-75.1	-14.9	
4-7	-161.2	-167.7	90.4	-47.0	15.2	-19.0	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-2	si	3	Sx	-64.0	0.0	1.5	64.0
4-2	si	7	Tz	0.2	-2.8	0.0	4.9
4-7	si	5	Ty	-13.8	0.0	4.3	15.7

Caso	MZ	MY	MT	N	TZ	TY	
4-2	-151.3	969.8	36.7	-27.4	-75.1	-15.5	
4-7	-196.9	-195.7	90.4	-47.0	15.2	-19.6	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-2	si	3	Sx	-74.6	0.0	1.5	74.6
4-2	si	7	Tz	0.5	-2.8	0.0	4.9
4-7	si	5	Ty	-15.9	0.0	4.4	17.6

Caso	MZ	MY	MT	N	TZ	TY	
4-2	-180.3	1108.3	36.7	-27.4	-75.1	-16.1	
4-7	-233.6	-223.7	90.4	-47.0	15.2	-20.2	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-2	si	3	Sx	-85.2	0.0	1.5	85.2
4-2	si	7	Tz	0.7	-2.8	0.0	4.9

| 4- 7|si | 5| Ty | -17. 9| 0. 0| 4. 4| 19. 5|

-----  
VERI F I CA STABI LI TA` :

Z | LO = 15. | Ro = 5. 77 | Im = 2. 6 | Ncr=127020476. 0 | al fa(c )=0. 4900 | ki =1. 0000 |  
Y | Lc = 15. | Ro = 0. 58 | Im = 25. 5 | Ncr= 1270204. 7 | al fa(c )=0. 4900 | ki =0. 9315 |  
Caso 4- 2 - Nodo 3 - Asse Y  
Ned = -27. 4 | Mzeq = -135. 3 | Myeq = 831. 2 | Ss = -64. 1 ( 0. 019)

RETTANGOLARE\_S003 ( 3) stato limite ultimo - ASTA ( 10- 16) 14  
-----  
PROGR. 0.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 9	-72. 6	-1168. 7	31. 7	-77. 3	-75. 4	5. 2
4- 7	-53. 4	69. 4	122. 3	47. 4	4. 5	1. 0

TENSI ONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 9	si	4	Sx	-90. 1	0. 0	1. 3	90. 2
4- 9	si	7	Tz	-1. 4	-2. 8	0. 0	5. 1
4- 7	si	5	Ty	6. 4	0. 0	-4. 9	10. 7

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 9	-64. 9	-1022. 6	31. 7	-77. 3	-75. 4	4. 6
4- 7	-50. 2	60. 7	122. 3	47. 4	4. 5	0. 4

TENSI ONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 9	si	4	Sx	-79. 1	0. 0	1. 3	79. 1
4- 9	si	7	Tz	-1. 4	-2. 8	0. 0	5. 1
4- 7	si	5	Ty	5. 7	0. 0	-4. 9	10. 3

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 9	-58. 2	-876. 5	31. 7	-77. 3	-75. 4	4. 0
4- 7	-48. 4	52. 0	122. 3	47. 4	4. 5	-0. 2

TENSI ONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 9	si	4	Sx	-68. 1	0. 0	1. 3	68. 1
4- 9	si	7	Tz	-1. 5	-2. 8	0. 0	5. 1
4- 7	si	5	Ty	5. 1	0. 0	4. 9	9. 9

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 9	-52. 5	-730. 4	31. 7	-77. 3	-75. 4	3. 4
4- 7	-47. 8	43. 4	122. 3	47. 4	4. 5	-0. 8

TENSI ONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 9	si	4	Sx	-57. 1	0. 0	1. 3	57. 2
4- 9	si	7	Tz	-1. 5	-2. 8	0. 0	5. 1
4- 7	si	5	Ty	4. 4	0. 0	4. 9	9. 6

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 9	-47. 8	-584. 4	31. 7	-77. 3	-75. 4	2. 8
4- 7	-48. 7	34. 7	122. 3	47. 4	4. 5	-1. 4

TENSI ONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 9	si	4	Sx	-46. 1	0. 0	1. 3	46. 2
4- 9	si	7	Tz	-1. 6	-2. 8	0. 0	5. 1
4- 7	si	5	Ty	3. 8	0. 0	5. 0	9. 4

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 9	-44. 1	-438. 3	31. 7	-77. 3	-75. 4	2. 2
4- 7	-50. 9	26. 0	122. 3	47. 4	4. 5	-2. 1

TENSI ONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 9	si	4	Sx	-35. 1	0. 0	1. 3	35. 2
4- 9	si	7	Tz	-1. 6	-2. 8	0. 0	5. 2
4- 7	si	5	Ty	3. 1	0. 0	5. 0	9. 2

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 9	-41. 5	-292. 2	31. 7	-77. 3	-75. 4	1. 6
4- 7	-54. 5	17. 3	122. 3	47. 4	4. 5	-2. 7

TENSI ONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 9	si	4	Sx	-24. 2	0. 0	1. 3	24. 3
4- 9	si	7	Tz	-1. 6	-2. 8	0. 0	5. 2
4- 7	si	5	Ty	2. 5	0. 0	5. 0	9. 0

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 9	-39. 2	-146. 1	31. 7	-77. 3	-75. 4	1. 0
4- 7	-60. 0	8. 7	122. 3	47. 4	4. 5	-3. 3
1- 1	-81. 3	-133. 6	106. 9	-55. 5	-68. 9	1. 9

TENSI ONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 9	si	4	Sx	-13. 2	0. 0	1. 3	13. 4
4- 9	si	7	Tz	-1. 6	-2. 8	0. 0	5. 2
4- 7	si	5	Ty	1. 8	0. 0	5. 0	8. 9
1- 1	si	4	Ty	-12. 0	0. 0	4. 3	14. 1

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-10	-37. 6	0. 0	29. 3	-79. 0	-75. 1	0. 6
4- 9	-38. 8	0. 0	31. 7	-77. 3	-75. 4	0. 4
4- 7	-65. 9	0. 0	122. 3	47. 4	4. 5	-3. 9

TENSI ONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-10	si	3	Sx	-2. 3	0. 0	1. 2	3. 0
4- 9	si	7	Tz	-1. 6	-2. 8	0. 0	5. 2
4- 7	si	5	Ty	1. 2	0. 0	5. 1	8. 8

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VERI F I CA STABI LI TA` :

Z | LO = 16. | Ro = 5. 77 | Im = 2. 7 | Ncr=115025566. 4 | al fa(c )=0. 4900 | ki =1. 0000 |  
Y | Lc = 16. | Ro = 0. 58 | Im = 26. 8 | Ncr= 1150255. 6 | al fa(c )=0. 4900 | ki =0. 9228 |  
Caso 4- 9 - Nodo 4 - Asse Y  
Ned = -77. 3 | Mzeq = -65. 5 | Myeq = -876. 5 | Ss = -68. 3 ( 0. 020)

RETTANGOLARE\_S003 ( 3) stato limite ultimo - ASTA ( 5- 4) 28  
----- PROGR. 0.

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso	1- 1	-2544.9	-10.1	467.4	12.2	-0.6	230.8
	4- 7	-890.6	-12.2	108.2	11.7	-0.8	81.6
TENSIONI (Sz= 0.00) :							
Caso	Ve No	massi mi	Sx	Tz	Ty	Si	
1- 1	si 2	Sx	20.1	0.0	18.8	38.2	
4- 7	si 7	Tz	7.0	0.0	0.0	7.0	
1- 1	si 5	Ty	-0.5	0.0	-27.4	47.5	
1- 1	si 6	Si	1.1	0.0	-27.4	47.5	

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso	1- 1	-2098.5	-8.8	467.4	12.2	-0.6	230.0
	4- 7	-733.2	-10.6	108.2	11.7	-0.8	81.0
TENSIONI (Sz= 0.00) :							
Caso	Ve No	massi mi	Sx	Tz	Ty	Si	
1- 1	si 2	Sx	16.7	0.0	18.8	36.5	
4- 7	si 7	Tz	5.8	0.0	0.0	5.8	
1- 1	si 5	Ty	-0.4	0.0	-27.4	47.4	
1- 1	si 6	Si	1.0	0.0	-27.4	47.4	

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso	1- 1	-1653.7	-7.6	467.4	12.2	-0.6	229.2
	4- 7	-576.9	-9.1	108.2	11.7	-0.8	80.4
TENSIONI (Sz= 0.00) :							
Caso	Ve No	massi mi	Sx	Tz	Ty	Si	
1- 1	si 2	Sx	13.3	0.0	18.8	35.1	
4- 7	si 7	Tz	4.6	0.0	0.0	4.6	
1- 1	si 5	Ty	-0.3	0.0	-27.4	47.4	
1- 1	si 6	Si	0.9	0.0	-27.4	47.4	

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso	1- 1	-1210.4	-6.3	467.4	12.2	-0.6	228.4
	4- 7	-317.1	-7.6	108.2	11.7	-0.8	79.8
TENSIONI (Sz= 0.00) :							
Caso	Ve No	massi mi	Sx	Tz	Ty	Si	
1- 1	si 2	Sx	9.9	0.0	18.8	34.0	
4- 7	si 7	Tz	2.7	0.0	0.0	2.7	
1- 1	si 5	Ty	-0.2	0.0	-27.3	47.3	
1- 1	si 6	Si	0.8	0.0	-27.3	47.3	

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso	1- 1	-768.6	-5.0	467.4	12.2	-0.6	227.6
	4- 7	-201.3	-6.1	108.2	11.7	-0.8	79.2
TENSIONI (Sz= 0.00) :							
Caso	Ve No	massi mi	Sx	Tz	Ty	Si	
1- 1	si 2	Sx	6.4	0.0	18.8	33.1	
4- 7	si 7	Tz	1.8	0.0	0.0	1.8	
1- 1	si 5	Ty	-0.1	0.0	-27.3	47.3	
1- 1	si 6	Si	0.7	0.0	-27.3	47.3	

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso	1- 1	-328.4	-3.8	467.4	12.2	-0.6	226.8
	4- 7	-86.2	-4.6	108.2	11.7	-0.8	78.5
TENSIONI (Sz= 0.00) :							
Caso	Ve No	massi mi	Sx	Tz	Ty	Si	
1- 1	si 2	Sx	3.1	0.0	18.8	32.6	
4- 7	si 7	Tz	0.9	0.0	0.0	0.9	
1- 1	si 5	Ty	0.0	0.0	-27.3	47.2	
1- 1	si 6	Si	0.6	0.0	-27.3	47.2	

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso	1- 1	110.3	-2.5	467.4	12.2	-0.6	226.0
	4- 7	38.6	-3.0	108.2	11.7	-0.8	77.9
TENSIONI (Sz= 0.00) :							
Caso	Ve No	massi mi	Sx	Tz	Ty	Si	
1- 1	si 3	Sx	1.3	0.0	18.8	32.5	
4- 7	si 7	Tz	0.0	0.0	0.0	0.1	
1- 1	si 5	Ty	0.1	0.0	-27.2	47.2	
1- 1	si 6	Si	0.5	0.0	-27.2	47.2	

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso	1- 1	547.5	-1.3	467.4	12.2	-0.6	225.2
	4- 7	187.6	-1.5	108.2	11.7	-0.8	77.3
TENSIONI (Sz= 0.00) :							
Caso	Ve No	massi mi	Sx	Tz	Ty	Si	
1- 1	si 3	Sx	4.5	0.0	18.8	32.8	
4- 7	si 7	Tz	-1.1	0.0	0.0	1.1	
1- 1	si 5	Ty	0.2	0.0	-27.2	47.1	
1- 1	si 6	Si	0.4	0.0	-27.2	47.1	

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso	1- 1	983.1	0.0	467.4	12.2	-0.6	224.4
	4- 7	336.6	0.0	108.2	11.7	-0.8	76.7
TENSIONI (Sz= 0.00) :							
Caso	Ve No	massi mi	Sx	Tz	Ty	Si	
1- 1	si 3	Sx	7.7	0.0	18.8	33.4	
4- 7	si 7	Tz	-2.2	0.0	0.0	2.2	
1- 1	si 5	Ty	0.3	0.0	-27.2	47.1	
1- 1	si 6	Si	0.3	0.0	-27.2	47.1	

VERIFI CA STABI LI TA` :

Z | LO = 16. | Ro = 5.77 | Im = 2.7 | Ncr=115025566.4 | al fa(c )=0.4900 | ki =1.0000 |  
 Y | Lc = 16. | Ro = 0.58 | Im = 26.8 | Ncr= 1150255.6 | al fa(c )=0.4900 | ki =0.9228 |  
 Caso 4-10 - Nodo 3 - Asse Y  
 Ned = -1.4 | Mzeq = -760.4 | Myeq = 0.8 | Ss = -5.8 ( 0.002)

RETTANGOLARE\_S003 ( 3) stato limite ultimo - ASTA ( 7- 11) 30  
----- PROGR. 0.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 5	-209.9	285.5	-66.3	-69.9	18.4	18.7
4- 8	-235.6	255.3	-78.3	-79.4	16.5	20.9

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 5	si	3	Sx	-24.7	0.0	2.7	25.2
4- 5	si	7	Tz	-0.2	0.7	0.0	1.2
4- 8	si	5	Ty	17.2	0.0	-3.9	18.5

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
4- 5	-174.4	249.8	-66.3	-69.9	18.4	18.0
4- 8	-195.8	223.4	-78.3	-79.4	16.5	20.3

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 5	si	3	Sx	-21.8	0.0	2.7	22.3
4- 5	si	7	Tz	-0.4	0.7	0.0	1.3
4- 8	si	5	Ty	14.8	0.0	-3.9	16.2

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
4- 5	-140.0	214.1	-66.3	-69.9	18.4	17.4
4- 8	-157.1	191.5	-78.3	-79.4	16.5	19.7

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 5	si	3	Sx	-18.9	0.0	2.7	19.4
4- 5	si	7	Tz	-0.7	0.7	0.0	1.4
4- 8	si	5	Ty	12.4	0.0	-3.9	14.1

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
4- 5	-106.8	178.4	-66.3	-69.9	18.4	16.8
4- 8	-119.6	159.6	-78.3	-79.4	16.5	19.0

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 5	si	3	Sx	-15.9	0.0	2.7	16.6
4- 5	si	7	Tz	-0.9	0.7	0.0	1.5
4- 8	si	5	Ty	10.0	0.0	-3.9	12.0

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
4- 5	-74.8	142.7	-66.3	-69.9	18.4	16.2
4- 8	-83.3	127.6	-78.3	-79.4	16.5	18.4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 5	si	3	Sx	-13.0	0.0	2.7	13.8
4- 5	si	7	Tz	-1.2	0.7	0.0	1.7
4- 8	si	5	Ty	7.6	0.0	-3.8	10.1

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
4- 5	-43.9	107.0	-66.3	-69.9	18.4	15.6
4- 8	-48.2	95.7	-78.3	-79.4	16.5	17.8
4- 7	-46.8	100.5	-75.3	-80.6	17.3	17.2

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 5	si	3	Sx	-10.1	0.0	2.7	11.1
4- 5	si	7	Tz	-1.4	0.7	0.0	1.9
4- 8	si	5	Ty	5.2	0.0	-3.8	8.4
4- 7	si	6	Si	-9.6	0.0	-3.7	11.5

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
4- 5	-14.5	71.4	-66.3	-69.9	18.4	15.0
4- 8	-14.1	63.8	-78.3	-79.4	16.5	17.2
4- 7	-13.9	67.0	-75.3	-80.6	17.3	16.6

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 5	si	3	Sx	-7.2	0.0	2.7	8.6
4- 5	si	7	Tz	-1.6	0.7	0.0	2.0
4- 8	si	5	Ty	2.8	0.0	-3.8	7.1
4- 7	si	6	Si	-7.0	0.0	-3.6	9.5

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
4- 7	17.5	33.5	-75.3	-80.6	17.3	16.0
4- 5	14.2	35.7	-66.3	-69.9	18.4	14.4
4- 8	18.6	31.9	-78.3	-79.4	16.5	16.6

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 7	si	2	Sx	-4.7	0.0	3.0	7.0
4- 5	si	7	Tz	-1.9	0.7	0.0	2.2
4- 8	si	5	Ty	0.4	0.0	-3.8	6.5
4- 8	si	6	Si	-4.4	0.0	-3.8	7.9

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
4- 7	47.8	0.0	-75.3	-80.6	17.3	15.3
4- 5	41.5	0.0	-66.3	-69.9	18.4	13.8
4- 8	50.2	0.0	-78.3	-79.4	16.5	16.0

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 7	si	2	Sx	-2.4	0.0	3.0	5.7
4- 5	si	7	Tz	-2.1	0.7	0.0	2.4
4- 8	si	5	Ty	-2.0	0.0	-3.7	6.8
4- 8	si	6	Si	-2.0	0.0	-3.7	6.8

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	809.0	91.8	-344.0	-30.6	6.2	-67.5

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-13.7	0.0	13.8	27.6

VERIFICA STABILITA` :

Z	LO = 16.	Ro = 5.77	Im = 2.7	Ncr=115025566.4	al fa(c) = 0.4900	ki = 1.0000
Y	Lc = 16.	Ro = 0.58	Im = 26.8	Ncr= 1150255.6	al fa(c) = 0.4900	ki = 0.9228
Caso 4- 5 - Nodo 3 - Asse Y						
Ned = -69.9   Mzeq = -157.4   Myeq = 214.1   Ss = -19.1 ( 0.006)						

RETTANGOLARE\_S003 ( 3) stato limite ultimo - ASTA ( 24- 19) 32 0. PROGR.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	809.0	91.8	-344.0	-30.6	6.2	-67.5

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-13.7	0.0	13.8	27.6

1-1	si	7	Tz	-6.8	0.2	0.0	6.8	
1-1	si	5	Ty	6.1	0.0	16.3	28.9	
1-1	si	6	Si	-7.7	0.0	16.3	29.3	
-----								
SOLLECI TAZI ONI	:							
Caso	MZ			MY	MT	N	TZ	TY
1-1	683.9			80.3	-344.0	-30.6	6.2	-68.2
TENSI ONI (Sz=	0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	-11.9	0.0	13.8	26.7	
1-1	si	7	Tz	-5.9	0.2	0.0	5.9	
1-1	si	5	Ty	5.3	0.0	16.4	28.8	
1-1	si	6	Si	-6.8	0.0	16.4	29.1	
-----								
SOLLECI TAZI ONI	:							
Caso	MZ			MY	MT	N	TZ	TY
1-1	557.4			68.9	-344.0	-30.6	6.2	-69.0
TENSI ONI (Sz=	0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	-10.1	0.0	13.8	26.0	
1-1	si	7	Tz	-4.9	0.2	0.0	5.0	
1-1	si	5	Ty	4.4	0.0	16.4	28.7	
1-1	si	6	Si	-5.9	0.0	16.4	29.0	
-----								
SOLLECI TAZI ONI	:							
Caso	MZ			MY	MT	N	TZ	TY
1-1	429.6			57.4	-344.0	-30.6	6.2	-69.7
TENSI ONI (Sz=	0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	-8.3	0.0	13.8	25.3	
1-1	si	7	Tz	-4.0	0.2	0.0	4.0	
1-1	si	5	Ty	3.5	0.0	16.4	28.7	
1-1	si	6	Si	-5.1	0.0	16.4	28.9	
-----								
SOLLECI TAZI ONI	:							
Caso	MZ			MY	MT	N	TZ	TY
1-1	300.3			45.9	-344.0	-30.6	6.2	-70.5
TENSI ONI (Sz=	0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	-6.5	0.0	13.8	24.8	
1-1	si	7	Tz	-3.0	0.2	0.0	3.0	
1-1	si	5	Ty	2.7	0.0	16.4	28.6	
1-1	si	6	Si	-4.2	0.0	16.4	28.8	
-----								
SOLLECI TAZI ONI	:							
Caso	MZ			MY	MT	N	TZ	TY
1-1	169.7			34.4	-344.0	-30.6	6.2	-71.2
TENSI ONI (Sz=	0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	-4.6	0.0	13.8	24.4	
1-1	si	7	Tz	-2.0	0.2	0.0	2.1	
1-1	si	5	Ty	1.8	0.0	16.5	28.6	
1-1	si	6	Si	-3.3	0.0	16.5	28.7	
-----								
SOLLECI TAZI ONI	:							
Caso	MZ			MY	MT	N	TZ	TY
1-1	37.6			23.0	-344.0	-30.6	6.2	-72.0
TENSI ONI (Sz=	0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	-2.8	0.0	13.8	24.1	
1-1	si	7	Tz	-1.0	0.2	0.0	1.1	
1-1	si	5	Ty	1.0	0.0	16.5	28.6	
1-1	si	6	Si	-2.5	0.0	16.5	28.7	
-----								
SOLLECI TAZI ONI	:							
Caso	MZ			MY	MT	N	TZ	TY
1-1	-95.8			11.5	-344.0	-30.6	6.2	-72.7
TENSI ONI (Sz=	0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	-2.3	0.0	13.8	24.0	
1-1	si	7	Tz	0.0	0.2	0.0	0.4	
1-1	si	5	Ty	0.1	0.0	16.5	28.6	
1-1	si	6	Si	-1.6	0.0	16.5	28.7	
-----								
SOLLECI TAZI ONI	:							
Caso	MZ			MY	MT	N	TZ	TY
4-15	-350.0			0.0	-315.8	-24.5	0.8	-92.2
1-1	-230.6			0.0	-344.0	-30.6	6.2	-73.5
TENSI ONI (Sz=	0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
4-15	si	4	Sx	-3.2	0.0	12.7	22.2	
1-1	si	7	Tz	1.0	0.2	0.0	1.0	
1-1	si	5	Ty	-0.8	0.0	16.6	28.7	

VERI F I CA STABI LI TA` :

Z | L0 = 15. | Ro = 5.77 | Im = 2.6 | Ncr=127020476.0 | al fa(c) =0.4900 | ki =1.0000  
Y | Lc = 15. | Ro = 0.58 | Im = 25.5 | Ncr= 1270204.7 | al fa(c) =0.4900 | ki =0.9315  
Caso 1- 1 - Nodo 2 - Asse Y  
Ned = -30.6 | Mzeq = 606.7 | Myeq = 68.9 | Ss = -10.5 ( 0.003)

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 20- 26 ) 33  
-----  
PROGR. 0.

SOLLECI TAZI ONI	:							
Caso	MZ			MY	MT	N	TZ	TY
1-1	295.2			0.0	-221.8	45.9	-4.8	-60.9
TENSI ONI (Sz=	0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	3.4	0.0	8.9	15.8	
1-1	si	7	Tz	-1.1	-0.2	0.0	1.1	
1-1	si	5	Ty	1.1	0.0	11.2	19.4	
1-1	si	6	Si	1.1	0.0	11.2	19.4	
-----								
SOLLECI TAZI ONI	:							
Caso	MZ			MY	MT	N	TZ	TY
1-1	97.2			15.5	-221.8	45.9	-4.8	-62.2
TENSI ONI (Sz=	0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	3.0	0.0	8.9	15.7	
1-1	si	7	Tz	0.4	-0.2	0.0	0.5	
1-1	si	5	Ty	2.3	0.0	11.2	19.6	
-----								
SOLLECI TAZI ONI	:							
Caso	MZ			MY	MT	N	TZ	TY
1-1	295.2			0.0	-221.8	45.9	-4.8	-60.9
TENSI ONI (Sz=	0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	3.4	0.0	8.9	15.8	
1-1	si	7	Tz	-1.1	-0.2	0.0	1.1	
1-1	si	5	Ty	1.1	0.0	11.2	19.4	
1-1	si	6	Si	1.1	0.0	11.2	19.4	
-----								
SOLLECI TAZI ONI	:							
Caso	MZ			MY	MT	N	TZ	TY
1-1	97.2			15.5	-221.8	45.9	-4.8	-62.2
TENSI ONI (Sz=	0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	3.0	0.0	8.9	15.7	
1-1	si	7	Tz	0.4	-0.2	0.0	0.5	
1-1	si	5	Ty	2.3	0.0	11.2	19.6	
-----								
SOLLECI TAZI ONI	:							
Caso	MZ			MY	MT	N	TZ	TY
1-1	295.2			0.0	-221.8	45.9	-4.8	-60.9
TENSI ONI (Sz=	0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	3.4	0.0	8.9	15.8	
1-1	si	7	Tz	-1.1	-0.2	0.0	1.1	
1-1	si	5	Ty	1.1	0.0	11.2	19.4	
1-1	si	6	Si	1.1	0.0	11.2	19.4	
-----								
SOLLECI TAZI ONI	:							
Caso	MZ			MY	MT	N	TZ	TY
1-1	295.2			0.0	-221.8	45.9	-4.8	-60.9
TENSI ONI (Sz=	0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	3.4	0.0	8.9	15.8	
1-1	si	7	Tz	-1.1	-0.2	0.0	1.1	
1-1	si	5	Ty	1.1	0.0	11.2	19.4	
1-1	si	6	Si	1.1	0.0	11.2	19.4	
-----								
SOLLECI TAZI ONI	:							
Caso	MZ			MY	MT	N	TZ	TY
1-1	295.2			0.0	-221.8	45.9	-4.8	-60.9
TENSI ONI (Sz=	0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	3.4	0.0	8.9	15.8	
1-1	si	7	Tz	-1.1	-0.2	0.0	1.1	
1-1	si	5	Ty	1.1	0.0	11.2	19.4	
1-1	si	6	Si	1.1	0.0	11.2	19.4	
-----								
SOLLECI TAZI ONI	:							
Caso	MZ			MY	MT	N	TZ	TY
1-1	295.2			0.0	-221.8	45.9	-4.8	-60.9
TENSI ONI (Sz=	0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	3.4	0.0	8.9	15.8	
1-1	si	7	Tz	-1.1	-0.2	0.0	1.1	
1-1	si	5	Ty	1.1	0.0	11.2	19.4	
1-1	si	6	Si	1.1	0.0	11.2	19.4	
-----								
SOLLECI TAZI ONI	:							
Caso	MZ			MY	MT	N	TZ	TY
1-1	295.2			0.0	-221.8	45.9	-4.8	-60.9
TENSI ONI (Sz=	0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	3.4	0.0	8.9	15.8	
1-1	si	7	Tz	-1.1	-0.2	0.0	1.1	
1-1	si	5	Ty	1.1	0.0	11.2	19.4	
1-1	si	6	Si	1.1	0.0	11.2	19.4	
-----								
SOLLECI TAZI ONI	:							
Caso	MZ			MY	MT	N	TZ	TY
1-1	295.2			0.0	-221.8	45.9	-4.8	-60.9
TENSI ONI (Sz=	0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	3.4	0.0	8.9	15.8	
1-1	si	7	Tz	-1.1	-0.2	0.0	1.1	
1-1	si	5	Ty	1.1	0.0	11.2	19.4	
1-1	si	6	Si	1.1	0.0	11.2	19.4	
-----								
SOLLECI TAZI ONI	:							
Caso	MZ			MY	MT	N	TZ	TY
1-1	295.2			0.0	-221.8	45.9	-4.8	-60.9
TENSI ONI (Sz=	0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	3.4	0.0	8.9	15.8	
1-1	si	7	Tz	-1.1	-0.2	0.0	1.1	
1-1	si	5	Ty	1.1	0.0	11.2	19.4	
1-1	si	6	Si	1.1	0.0	11.2	19.4	
-----								
SOLLECI TAZI ONI	:							
Caso	MZ			MY	MT	N	TZ	TY
1-1	295.2			0.0	-221.8	45.9	-4.8	-60.9
TENSI ONI (Sz=	0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	3.4	0.0	8.9	15.8	
1-1	si	7	Tz	-1.1	-0.2	0.0	1.1	
1-1	si	5	Ty	1.1	0.0	11.2	19.4	
1-1	si	6	Si	1.1	0.0	11.2	19.4	
-----								
SOLLECI TAZI ONI	:							
Caso	MZ			MY	MT	N	TZ	TY
1-1	295.2			0.0	-221.8	45.9	-4.8	-60.9
TENSI ONI (Sz=	0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	3.4	0.0	8.9	15.8	
1-1	si	7	Tz	-1.1	-0.2	0.0	1.1	
1-1	si	5	Ty	1.1	0.0	11.2	19.4	
1-1	si	6	Si	1.1	0.0	11.2	19.4	
-----								
SOLLECI TAZI ONI	:							
Caso	MZ			MY	MT	N	TZ	TY
1-1	295.2			0.0	-221.8	45.9	-4.8	-60.9
TENSI ONI (Sz=	0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	3.4	0.0	8.9	15.8	
1-1	si	7	Tz	-1.1	-0.2	0.0	1.1	
1-1	si	5	Ty	1.1	0.0	11.2	19.4	
1-1	si	6	Si	1.1	0.0	11.2	19.4	
-----								
SOLLECI TAZI ONI								

SOLLECI TAZI ONI :									
Caso	1-1	MZ	MY	MT	N	TZ	TY		
TENSI ONI (Sz=	0.00)	-105.1	31.1	-221.8	45.9	-4.8	-63.5		
Caso	1-1	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	1	1	Sx	4.3	0.0	8.9	16.0	
1-1	si	7	7	Tz	1.9	-0.2	0.0	2.0	
1-1	si	5	5	TySi	3.5	0.0	11.3	19.8	
----- PROGR. 10.									
SOLLECI TAZI ONI :									
Caso	1-1	MZ	MY	MT	N	TZ	TY		
TENSI ONI (Sz=	0.00)	-311.6	46.6	-221.8	45.9	-4.8	-64.8		
Caso	1-1	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	1	1	Sx	7.0	0.0	8.9	16.9	
1-1	si	7	7	Tz	3.5	-0.2	0.0	3.5	
1-1	si	5	5	TySi	4.6	0.0	11.3	20.2	
----- PROGR. 13.									
SOLLECI TAZI ONI :									
Caso	1-1	MZ	MY	MT	N	TZ	TY		
TENSI ONI (Sz=	0.00)	-522.4	62.2	-221.8	45.9	-4.8	-66.1		
Caso	1-1	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	1	1	Sx	9.7	0.0	8.9	18.2	
1-1	si	7	7	Tz	5.1	-0.2	0.0	5.1	
1-1	si	5	5	TySi	5.8	0.0	11.4	20.6	
----- PROGR. 16.									
SOLLECI TAZI ONI :									
Caso	1-1	MZ	MY	MT	N	TZ	TY		
TENSI ONI (Sz=	0.00)	-737.3	77.7	-221.8	45.9	-4.8	-67.4		
Caso	1-1	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	1	1	Sx	12.5	0.0	8.9	19.9	
1-1	si	7	7	Tz	6.7	-0.2	0.0	6.7	
1-1	si	5	5	TySi	7.0	0.0	11.4	21.0	
----- PROGR. 19.									
SOLLECI TAZI ONI :									
Caso	1-1	MZ	MY	MT	N	TZ	TY		
TENSI ONI (Sz=	0.00)	-956.5	93.3	-221.8	45.9	-4.8	-68.8		
Caso	1-1	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	1	1	Sx	15.3	0.0	8.9	21.7	
1-1	si	7	7	Tz	8.3	-0.2	0.0	8.3	
1-1	si	5	5	Ty	8.1	0.0	11.5	21.5	
----- PROGR. 23.									
SOLLECI TAZI ONI :									
Caso	1-1	MZ	MY	MT	N	TZ	TY		
TENSI ONI (Sz=	0.00)	-1180.0	108.8	-221.8	45.9	-4.8	-70.1		
Caso	1-1	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	1	1	Sx	18.2	0.0	8.9	23.8	
1-1	si	7	7	Tz	10.0	-0.2	0.0	10.0	
1-1	si	5	5	Ty	9.3	0.0	11.5	22.0	
----- PROGR. 26.									
SOLLECI TAZI ONI :									
Caso	1-1	MZ	MY	MT	N	TZ	TY		
TENSI ONI (Sz=	0.00)	-1407.6	124.4	-221.8	45.9	-4.8	-71.4		
Caso	1-1	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	1	1	Sx	21.0	0.0	8.9	26.1	
1-1	si	7	7	Tz	11.7	-0.2	0.0	11.7	
1-1	si	5	5	Ty	10.5	0.0	11.6	22.6	
----- PROGR. 23.									
VERI FICA STABI LI TA` :									
Z	LO = 26.	Ro = 5.77	Im = 4.5	Ncr= 41677658.3	al fa(c)=0.4900	ki=1.0000			
Y	Lc = 26.	Ro = 0.58	Im = 44.6	Ncr= 416776.6	al fa(c)=0.4900	ki=0.7950			
Caso 4-7 -	Nodo 3 -	Asse Y							
Ned =	-1.8	Mzeq =	-746.7	Myeq =	62.6	Ss =	-10.3	( 0.003)	
RETTANGOLARE_S003 ( 3) stato limite ultimo - ASTA ( 23- 21) 36									
----- PROGR. 0.									
SOLLECI TAZI ONI :									
Caso	1-1	MZ	MY	MT	N	TZ	TY		
TENSI ONI (Sz=	0.00)	-824.3	1603.8	-287.3	-15.5	108.7	69.5		
Caso	1-1	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	3	3	Sx	-126.9	0.0	11.5	128.4	
1-1	si	7	7	Tz	5.8	4.1	0.0	9.1	
1-1	si	5	5	Ty	119.9	0.0	-14.1	122.4	
----- PROGR. 2.									
SOLLECI TAZI ONI :									
Caso	1-1	MZ	MY	MT	N	TZ	TY		
TENSI ONI (Sz=	0.00)	-696.8	1403.3	-287.3	-15.5	108.7	68.8		
Caso	1-1	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	3	3	Sx	-110.9	0.0	11.5	112.6	
1-1	si	7	7	Tz	4.8	4.1	0.0	8.6	
1-1	si	5	5	Ty	104.9	0.0	-14.1	107.7	
----- PROGR. 4.									
SOLLECI TAZI ONI :									
Caso	1-1	MZ	MY	MT	N	TZ	TY		
TENSI ONI (Sz=	0.00)	-570.7	1202.8	-287.3	-15.5	108.7	68.0		
Caso	1-1	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	3	3	Sx	-94.9	0.0	11.5	97.0	
1-1	si	7	7	Tz	3.9	4.1	0.0	8.1	
1-1	si	5	5	Ty	89.8	0.0	-14.1	93.1	
----- PROGR. 6.									
SOLLECI TAZI ONI :									
Caso	1-1	MZ	MY	MT	N	TZ	TY		
TENSI ONI (Sz=	0.00)	-445.9	1002.4	-287.3	-15.5	108.7	67.3		
Caso	1-1	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	3	3	Sx	-78.9	0.0	11.5	81.4	
1-1	si	7	7	Tz	3.0	4.1	0.0	7.7	
1-1	si	5	5	Ty	74.8	0.0	-14.1	78.7	
----- PROGR. 7.									
SOLLECI TAZI ONI :									
Caso	1-1	MZ	MY	MT	N	TZ	TY		
TENSI ONI (Sz=	0.00)	-322.5	801.9	-287.3	-15.5	108.7	66.5		

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1-1	si	3	Sx	-62.9	0.0	11.5	66.0		
1-1	si	7	Tz	2.0	4.1	0.0	7.3		
1-1	si	5	Ty	59.8	0.0	-14.0	64.5		
								PROGR. 9.	
SOLLECI TAZI ONI :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1-1	si	3	Sx	601.4	-287.3	-15.5	108.7	TY 65.8	
TENSIONI (Sz=0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1-1	si	3	Sx	-47.0	0.0	11.5	51.1		
1-1	si	7	Tz	1.1	4.1	0.0	7.2		
1-1	si	5	Ty	44.7	0.0	-14.0	50.9		
1-1	si	6	Si	-45.5	0.0	-14.0	51.5		
								PROGR. 11.	
SOLLECI TAZI ONI :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1-1	si	3	Sx	400.9	-287.3	-15.5	108.7	TY 65.0	
TENSIONI (Sz=0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1-1	si	3	Sx	-31.1	0.0	11.5	36.9		
1-1	si	7	Tz	0.2	4.1	0.0	7.1		
1-1	si	5	Ty	29.7	0.0	-14.0	38.3		
1-1	si	6	Si	-30.5	0.0	-14.0	38.9		
								PROGR. 13.	
SOLLECI TAZI ONI :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1-1	si	2	Sx	200.5	-287.3	-15.5	108.7	TY 64.3	
TENSIONI (Sz=0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1-1	si	2	Sx	-15.7	0.0	11.5	25.4		
1-1	si	7	Tz	-0.7	4.1	0.0	7.1		
1-1	si	5	Ty	14.6	0.0	-13.9	28.2		
1-1	si	6	Si	-15.4	0.0	-13.9	28.7		
								PROGR. 15.	
SOLLECI TAZI ONI :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1-1	si	2	Sx	0.0	-287.3	-15.5	108.7	TY 63.5	
TENSIONI (Sz=0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1-1	si	2	Sx	-1.6	0.0	11.5	20.0		
1-1	si	7	Tz	-1.6	4.1	0.0	7.2		
1-1	si	5	Ty	-0.4	0.0	-13.9	24.1		
1-1	si	6	Si	-0.4	0.0	-13.9	24.1		
								PROGR. 15.	
VERIFI CA STABI LI TA` :									
Z	LO = 15.	Ro = 5.77	Im = 2.6	Ncr=127020476.0	al fa(c)=0.4900	ki=1.0000			
Y	Lc = 15.	Ro = 0.58	Im = 25.5	Ncr= 1270204.7	al fa(c)=0.4900	ki=0.9315			
Caso 1-1 - Nodo 3 - Asse Y									
Ned = -15.5   Mzeq = -618.3   Myeq = 1202.8   Ss = -95.3 ( 0.028)									
RETTANGOLARE_S003 ( 3) stato limite ultimo - ASTA ( 22- 25) 37									
								PROGR. 0.	
SOLLECI TAZI ONI :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1-1	si	3	Sx	138.3	0.0	257.5	67.5	11.6	-60.0
5-10	si	7	Tz	27.9	0.0	9.8	26.0	18.7	-21.1
TENSIONI (Sz=0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1-1	si	4	Sx	2.7	0.0	10.3	18.1		
5-10	si	7	Tz	0.4	0.7	0.0	1.3		
1-1	si	5	Ty	1.7	0.0	12.6	21.9		
								PROGR. 3.	
SOLLECI TAZI ONI :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
5-10	si	2	Sx	-41.6	-60.2	9.8	26.0	18.7	-22.1
1-1	si	7	Tz	-57.0	-37.4	257.5	67.5	11.6	-61.3
TENSIONI (Sz=0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
5-10	si	2	Sx	5.5	0.0	0.4	5.5		
5-10	si	7	Tz	1.0	0.7	0.0	1.5		
1-1	si	5	Ty	-1.1	0.0	12.6	21.9		
1-1	si	6	Si	4.5	0.0	12.6	22.3		
								PROGR. 6.	
SOLLECI TAZI ONI :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
5-10	si	2	Sx	-114.3	-120.4	9.8	26.0	18.7	-23.1
1-1	si	7	Tz	-256.5	-74.8	257.5	67.5	11.6	-62.6
TENSIONI (Sz=0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
5-10	si	2	Sx	10.5	0.0	0.4	10.6		
5-10	si	7	Tz	1.5	0.7	0.0	1.9		
1-1	si	5	Ty	-3.9	0.0	12.7	22.3		
1-1	si	6	Si	7.3	0.0	12.7	23.2		
								PROGR. 10.	
SOLLECI TAZI ONI :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
5-10	si	2	Sx	-190.2	-180.6	9.8	26.0	18.7	-24.1
1-1	si	7	Tz	-460.2	-112.3	257.5	67.5	11.6	-64.0
TENSIONI (Sz=0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
5-10	si	2	Sx	15.6	0.0	0.4	15.6		
5-10	si	7	Tz	2.1	0.7	0.0	2.4		
1-1	si	5	Ty	-6.7	0.0	12.7	23.1		
1-1	si	6	Si	10.1	0.0	12.7	24.3		
								PROGR. 13.	
SOLLECI TAZI ONI :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
5-10	si	2	Sx	-269.5	-240.8	9.8	26.0	18.7	-25.1
1-1	si	7	Tz	-668.2	-149.7	257.5	67.5	11.6	-65.3
TENSIONI (Sz=0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
5-10	si	2	Sx	20.7	0.0	0.4	20.7		
5-10	si	7	Tz	2.7	0.7	0.0	2.9		
1-1	si	5	Ty	-9.5	0.0	12.8	24.1		
1-1	si	6	Si	12.9	0.0	12.8	25.6		
								PROGR. 16.	
SOLLECI TAZI ONI :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
5-10	si	2	Sx	-351.9	-300.9	9.8	26.0	18.7	-26.1
1-1	si	7	Tz	-880.4	-187.1	257.5	67.5	11.6	-66.6

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	2	Sx	25.9	0.0	0.4	25.9
5-10	si	7	Tz	3.3	0.7	0.0	3.5
1- 1	si	5	Ty	-12.3	0.0	12.8	25.4
1- 1	si	2	Si	22.3	0.0	10.3	28.6

PROGR. 19.

SOLLECCI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
5-10	-437.7	-361.1	9.8	26.0	18.7	-27.1	
1- 1	-1096.8	-224.5	257.5	67.5	11.6	-67.9	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	2	Sx	31.0	0.0	0.4	31.0
5-10	si	7	Tz	3.9	0.7	0.0	4.1
1- 1	si	5	Ty	-15.2	0.0	12.9	27.0
1- 1	si	2	Si	26.8	0.0	10.3	32.2

PROGR. 23.

SOLLECCI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
5-10	-526.7	-421.3	9.8	26.0	18.7	-28.1	
1- 1	-1317.5	-261.9	257.5	67.5	11.6	-69.2	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	2	Sx	36.2	0.0	0.4	36.2
5-10	si	7	Tz	4.6	0.7	0.0	4.8
1- 1	si	5	Ty	-18.0	0.0	12.9	28.7

PROGR. 26.

SOLLECCI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
5-10	-618.9	-481.5	9.8	26.0	18.7	-29.2	
1- 1	-1542.4	-299.3	257.5	67.5	11.6	-70.5	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	2	Sx	41.4	0.0	0.4	41.4
5-10	si	7	Tz	5.3	0.7	0.0	5.4
1- 1	si	5	Ty	-20.8	0.0	13.0	30.6

VERIFICA STABILITA' : asta tesa per tutti i casi di carico.

RETTANGOLARE\_S003 ( 3) stato limite ultimo - ASTA ( 5- 57) 63 0.

SOLLECCI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	-8022.5	6.2	-6890.4	28.8	8.9	-387.2	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	61.4	0.0	276.5	482.9
1- 1	si	7	Tz	60.9	0.3	0.0	60.9
1- 1	si	5	Ty	1.2	0.0	291.1	504.1

PROGR. 1.

SOLLECCI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	-8507.5	-4.9	-6890.4	28.8	8.9	-388.9	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	64.9	0.0	276.5	483.4
1- 1	si	7	Tz	64.5	0.3	0.0	64.5
1- 1	si	5	Ty	0.4	0.0	291.1	504.2
1- 1	si	6	Si	1.1	0.0	291.1	504.2

PROGR. 2.

SOLLECCI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	-8994.6	-15.9	-6890.4	28.8	8.9	-390.5	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	69.4	0.0	276.5	484.0
1- 1	si	7	Tz	68.2	0.3	0.0	68.2
1- 1	si	5	Ty	-0.5	0.0	291.2	504.3
1- 1	si	6	Si	1.9	0.0	291.2	504.3

PROGR. 4.

SOLLECCI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	-9483.8	-27.0	-6890.4	28.8	8.9	-392.1	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	73.9	0.0	276.5	484.6
1- 1	si	7	Tz	71.8	0.3	0.0	71.8
1- 1	si	5	Ty	-1.3	0.0	291.2	504.4
1- 1	si	6	Si	2.7	0.0	291.2	504.5

PROGR. 5.

SOLLECCI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	-9975.0	-38.1	-6890.4	28.8	8.9	-393.8	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	78.4	0.0	276.5	485.3
1- 1	si	7	Tz	75.5	0.3	0.0	75.5
1- 1	si	5	Ty	-2.1	0.0	291.3	504.6
1- 1	si	6	Si	3.6	0.0	291.3	504.6

PROGR. 6.

SOLLECCI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	-10468.2	-49.1	-6890.4	28.8	8.9	-395.4	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	82.9	0.0	276.5	486.1
1- 1	si	7	Tz	79.2	0.3	0.0	79.2
1- 1	si	5	Ty	-3.0	0.0	291.4	504.7
1- 1	si	6	Si	4.4	0.0	291.4	504.7

PROGR. 8.

SOLLECCI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	-10963.5	-60.2	-6890.4	28.8	8.9	-397.0	

SOLLECCI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	-10963.5	-60.2	-6890.4	28.8	8.9	-397.0	

PROGR. 9.



TENSIONI (S <sub>z</sub> = 0.00) :											
Caso	Ve	No	massimi		Sx	Tz	Ty	Si			
1-1	si	2	Sx	Si	92.0	0.0	276.5	487.7			
1-1	si	7	Tz		86.7	0.3	0.0	86.7			
1-1	si	5		Ty	-4.6	0.0	291.5	504.9			
1-1	si	6		Si	6.1	0.0	291.5	504.9			
											10.

SOLLECCI TAZIONI :											
Caso	MZ				MY	MT	N	TZ	TY		
1-1	-11960.1				-82.4	-6890.4	28.8	8.9	-400.3		
TENSIONI (S <sub>z</sub> = 0.00) :											
Caso	Ve	No	massimi		Sx	Tz	Ty	Si			
1-1	si	2	Sx	Si	96.6	0.0	276.5	488.6			
1-1	si	7	Tz		90.4	0.3	0.0	90.4			
1-1	si	5		Ty	-5.5	0.0	291.5	505.0			
1-1	si	6		Si	6.9	0.0	291.5	505.0			

VERIFICAZIONE STABILITA'

Z | LO = 10. | Ro = 5.77 | Im = 1.7 | Ncr=276348923.2 | alfa(c) = 0.4900 | ki = 1.0000  
 Y | Lc = 10. | Ro = 0.58 | Im = 17.3 | Ncr = 2763489.2 | alfa(c) = 0.4900 | ki = 0.9864  
 Caso 5 - 8 - Nodo 4 - Asse Y  
 Ned = -2.0 | Mzeq = -4478.2 | Myeq = -26.5 | Ss = -35.6 ( 0.011)

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 55- 5) 68 0.  
 ----- PROGR. 0.

SOLLECCI TAZIONI :											
Caso	MZ				MY	MT	N	TZ	TY		
1-1	-8701.3				32.8	6460.1	24.7	4.7	6.5		
4-7	-1631.3				46.6	4502.8	35.0	7.6	-117.6		
TENSIONI (S <sub>z</sub> = 0.00) :											
Caso	Ve	No	massimi		Sx	Tz	Ty	Si			
1-1	si	1	Sx	Si	68.3	0.0	259.3	454.2			
4-7	si	7	Tz		13.1	0.3	0.0	13.1			
1-1	si	5		Ty	3.1	0.0	-259.5	449.5			
											1.

SOLLECCI TAZIONI :											
Caso	MZ				MY	MT	N	TZ	TY		
1-1	-8694.2				27.0	6460.1	24.7	4.7	4.8		
4-7	-1780.8				37.3	4502.8	35.0	7.6	-118.7		
TENSIONI (S <sub>z</sub> = 0.00) :											
Caso	Ve	No	massimi		Sx	Tz	Ty	Si			
1-1	si	1	Sx	Si	67.8	0.0	259.3	454.2			
4-7	si	7	Tz		14.2	0.3	0.0	14.2			
1-1	si	5		Ty	2.6	0.0	-259.4	449.4			
											2.

SOLLECCI TAZIONI :											
Caso	MZ				MY	MT	N	TZ	TY		
1-1	-8689.1				21.1	6460.1	24.7	4.7	3.2		
4-7	-1931.9				24.2	4502.8	35.0	7.6	-119.9		
TENSIONI (S <sub>z</sub> = 0.00) :											
Caso	Ve	No	massimi		Sx	Tz	Ty	Si			
1-1	si	1	Sx	Si	67.4	0.0	259.3	454.1			
4-7	si	7	Tz		15.4	0.3	0.0	15.4			
1-1	si	5		Ty	2.2	0.0	-259.4	449.3			
											4.

SOLLECCI TAZIONI :											
Caso	MZ				MY	MT	N	TZ	TY		
1-1	-8686.2				15.2	6460.1	24.7	4.7	1.6		
4-7	-2084.5				15.2	4502.8	35.0	7.6	-121.0		
TENSIONI (S <sub>z</sub> = 0.00) :											
Caso	Ve	No	massimi		Sx	Tz	Ty	Si			
1-1	si	1	Sx	Si	66.9	0.0	259.3	454.0			
4-7	si	7	Tz		16.5	0.3	0.0	16.5			
1-1	si	5		Ty	1.8	0.0	-259.3	449.2			
											5.

SOLLECCI TAZIONI :											
Caso	MZ				MY	MT	N	TZ	TY		
1-1	-8685.2				9.4	6460.1	24.7	4.7	-0.1		
4-7	-2238.6				6.1	4502.8	35.0	7.6	-122.1		
TENSIONI (S <sub>z</sub> = 0.00) :											
Caso	Ve	No	massimi		Sx	Tz	Ty	Si			
1-1	si	1	Sx	Si	66.5	0.0	259.3	454.0			
4-7	si	7	Tz		17.7	0.3	0.0	17.7			
1-1	si	5		Ty	1.3	0.0	259.3	449.1			
											6.

SOLLECCI TAZIONI :											
Caso	MZ				MY	MT	N	TZ	TY		
1-1	-8686.3				3.5	6460.1	24.7	4.7	-1.7		
4-7	-2394.2				-5.3	4502.8	35.0	7.6	-123.3		
TENSIONI (S <sub>z</sub> = 0.00) :											
Caso	Ve	No	massimi		Sx	Tz	Ty	Si			
1-1	si	1	Sx	Si	66.0	0.0	259.3	453.9			
4-7	si	7	Tz		18.8	0.3	0.0	18.8			
1-1	si	5		Ty	0.9	0.0	259.3	449.2			
											8.

SOLLECCI TAZIONI :											
Caso	MZ				MY	MT	N	TZ	TY		
1-1	-8689.5				-2.4	6460.1	24.7	4.7	-3.3		
4-7	-2551.3				-13.2	4502.8	35.0	7.6	-124.4		
TENSIONI (S <sub>z</sub> = 0.00) :											
Caso	Ve	No	massimi		Sx	Tz	Ty	Si			
1-1	si	2	Sx	Si	66.0	0.0	259.3	453.9			
4-7	si	7	Tz		20.0	0.3	0.0	20.0			
1-1	si	5		Ty	0.4	0.0	259.4	449.3			
											9.

SOLLECCI TAZIONI :											
Caso	MZ				MY	MT	N	TZ	TY		
1-1	-8694.7				-8.2	6460.1	24.7	4.7	-5.0		
4-7	-2709.8				-22.2	4502.8	35.0	7.6	-125.6		
TENSIONI (S <sub>z</sub> = 0.00) :											
Caso	Ve	No	massimi		Sx	Tz	Ty	Si			
1-1	si	2	Sx	Si	66.4	0.0	259.3	454.0			
4-7	si	7	Tz		21.2	0.3	0.0	21.2			
1-1	si	5		Ty	0.0	0.0	259.5	449.4			
											10.

SOLLECCI TAZIONI :											
Caso	MZ				MY	MT	N	TZ	TY		
1-1	-8701.9				-14.1	6460.1	24.7	4.7	-6.6		
4-7	-2869.6				-31.5	4502.8	35.0	7.6	-126.7		
TENSIONI (S <sub>z</sub> = 0.00) :											

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx Si	66.9	0.0	259.3	454.0
4- 7	si	7	Tz	22.4	0.3	0.0	22.4
1- 1	si	5	Ty	-0.4	0.0	259.5	449.5

VERIFI CA STABI LI TA` :

Z | LO = 10. | Ro = 5.77 | Im = 1.7 | Ncr=276348923.2 | al fa(c) =0.4900 | ki=1.0000 |  
 Y | Lc = 10. | Ro = 0.58 | Im = 17.3 | Ncr= 2763489.2 | al fa(c) =0.4900 | ki=0.9864 |  
 Caso 5- 7 - Nodo 3 - Asse Y  
 Ned = -0.8 | Mzeq = -5701.1 | Myeq = 10.0 | Ss = -43.5 ( 0.013 )

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 62- 24 ) 70  
 0. PROGR.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-4836.1	-356.1	2402.4	-99.8	-34.7	-226.2
4-15	-881.3	-55.4	3097.7	8.3	-3.2	-166.1

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-65.5	0.0	96.4	179.4
1- 1	si	7	Tz	33.8	-1.3	0.0	33.9
4-15	si	5	Ty	-4.0	0.0	130.6	226.2
4-15	si	6	Si	4.4	0.0	130.6	226.2

PROGR. 1.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-5119.9	-312.8	2402.4	-99.8	-34.7	-227.8
4-15	-1087.7	-50.4	3097.7	8.3	-3.2	-167.3

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-64.4	0.0	96.4	179.0
1- 1	si	7	Tz	35.9	-1.3	0.0	36.0
4-15	si	5	Ty	-3.6	0.0	130.6	226.2
4-15	si	6	Si	4.0	0.0	130.6	226.2

PROGR. 2.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-5405.7	-269.4	2402.4	-99.8	-34.7	-229.4
4-15	-1295.5	-40.5	3097.7	8.3	-3.2	-168.4

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-63.2	0.0	96.4	178.6
1- 1	si	7	Tz	38.0	-1.3	0.0	38.1
4-15	si	5	Ty	-2.8	0.0	130.6	226.3
4-15	si	6	Si	3.2	0.0	130.6	226.3

PROGR. 4.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-5693.5	-226.0	2402.4	-99.8	-34.7	-231.1
4-15	-1504.7	-36.0	3097.7	8.3	-3.2	-169.5

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-62.1	0.0	96.4	178.2
1- 1	si	7	Tz	40.2	-1.3	0.0	40.3
4-15	si	5	Ty	-2.5	0.0	130.7	226.4
4-15	si	6	Si	2.9	0.0	130.7	226.4

PROGR. 5.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-5983.4	-182.7	2402.4	-99.8	-34.7	-232.7
4-15	-1715.1	-35.9	3097.7	8.3	-3.2	-170.7

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-61.1	0.0	96.4	177.8
1- 1	si	7	Tz	42.4	-1.3	0.0	42.4
4-15	si	5	Ty	-2.5	0.0	130.7	226.4
4-15	si	6	Si	2.9	0.0	130.7	226.4

PROGR. 6.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-6275.3	-139.3	2402.4	-99.8	-34.7	-234.3
4-15	-1926.9	-31.3	3097.7	8.3	-3.2	-171.8

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-60.0	0.0	96.4	177.5
1- 1	si	7	Tz	44.6	-1.3	0.0	44.6
4-15	si	5	Ty	-2.1	0.0	130.8	226.5
4-15	si	6	Si	2.6	0.0	130.8	226.5

PROGR. 8.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-6569.2	-95.9	2402.4	-99.8	-34.7	-236.0
4-15	-2140.0	-26.8	3097.7	8.3	-3.2	-173.0

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-59.0	0.0	96.4	177.1
1- 1	si	7	Tz	46.8	-1.3	0.0	46.8
4-15	si	5	Ty	-1.8	0.0	130.8	226.6
4-15	si	6	Si	2.2	0.0	130.8	226.6

PROGR. 9.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-6865.2	-52.5	2402.4	-99.8	-34.7	-237.6
4-15	-2354.5	-25.5	3097.7	8.3	-3.2	-174.1

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-57.9	0.0	96.4	176.8
1- 1	si	7	Tz	49.0	-1.3	0.0	49.0
4-15	si	5	Ty	-1.7	0.0	130.9	226.6
4-15	si	6	Si	2.1	0.0	130.9	226.7

PROGR. 10.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-7163.3	-9.2	2402.4	-99.8	-34.7	-239.3
4-15	-2570.2	-19.5	3097.7	8.3	-3.2	-175.2

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-56.9	0.0	96.4	176.4
1- 1	si	7	Tz	51.2	-1.3	0.0	51.3
4-15	si	5	Ty	-1.3	0.0	130.9	226.7
4-15	si	6	Si	1.7	0.0	130.9	226.7

## VERIFICAZIONE STABILITÀ :

Z | LO = 10. | Ro = 5.77 | Im = 1.7 | Ncr=276348923.2 | alfa(c) = 0.4900 | ki = 1.0000  
 Y | Lc = 10. | Ro = 0.58 | Im = 17.3 | Ncr= 2763489.2 | alfa(c) = 0.4900 | ki = 0.9864  
 Caso 1- 1 - Nodo 4 - Asse Y  
 Ned = -99.8 | Mzeq = -7163.3 | Myeq = -267.1 | Ss = -76.3 ( 0.023)

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 60- 24 ) 76  
 0.

## SOLLECCI TAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 2	-4816.4	-283.9	2008.3	-48.4	-34.0	211.1
1- 1	84.3	-486.2	5775.7	-120.9	-58.7	294.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4- 2	si	4	Sx	-58.6	0.0	80.6	151.4
1- 1	si	7	Tz	-3.7	-2.2	0.0	5.3
1- 1	si	5	TySi	-39.5	0.0	-242.9	422.5

PROGR. 1.

## SOLLECCI TAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 2	-4545.2	-241.6	2008.3	-48.4	-34.0	210.0
1- 1	451.7	-412.8	5775.7	-120.9	-58.7	293.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4- 2	si	4	Sx	-53.4	0.0	80.6	149.5
1- 1	si	7	Tz	-6.4	-2.2	0.0	7.5
1- 1	si	5	TySi	-34.0	0.0	-242.8	421.9

PROGR. 2.

## SOLLECCI TAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 2	-4275.7	-199.3	2008.3	-48.4	-34.0	208.9
1- 1	817.0	-339.4	5775.7	-120.9	-58.7	291.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4- 2	si	4	Sx	-48.2	0.0	80.6	147.7
1- 1	si	7	Tz	-9.1	-2.2	0.0	9.9
1- 1	si	5	TySi	-28.5	0.0	-242.7	421.4

PROGR. 4.

## SOLLECCI TAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 2	-4007.7	-157.1	2008.3	-48.4	-34.0	207.7
1- 1	1180.3	-266.0	5775.7	-120.9	-58.7	289.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4- 2	si	4	Sx	-43.0	0.0	80.6	146.1
1- 1	si	7	Tz	-11.9	-2.2	0.0	12.5
1- 1	si	5	TySi	-23.0	0.0	-242.7	420.9

PROGR. 5.

## SOLLECCI TAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 2	-3741.4	-114.9	2008.3	-48.4	-34.0	206.6
1- 1	1541.5	-192.6	5775.7	-120.9	-58.7	288.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4- 2	si	4	Sx	-37.9	0.0	80.6	144.7
1- 1	si	7	Tz	-14.6	-2.2	0.0	15.1
1- 1	si	5	TySi	-17.5	0.0	-242.6	420.6

PROGR. 6.

## SOLLECCI TAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 2	-3476.7	-73.0	2008.3	-48.4	-34.0	205.4
1- 1	1900.7	-119.2	5775.7	-120.9	-58.7	286.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4- 2	si	4	Sx	-32.8	0.0	80.6	143.4
1- 1	si	7	Tz	-17.3	-2.2	0.0	17.7
1- 1	si	5	TySi	-12.0	0.0	-242.5	420.3

PROGR. 8.

## SOLLECCI TAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4-15	3592.2	-7.9	1899.0	-45.8	-15.3	156.4
1- 1	2257.9	-45.8	5775.7	-120.9	-58.7	284.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-15	si	1	Sx	-28.7	0.0	76.2	135.1
1- 1	si	7	Tz	-20.0	-2.2	0.0	20.3
1- 1	si	5	TySi	-6.5	0.0	-242.5	420.0

PROGR. 9.

## SOLLECCI TAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4-15	3780.3	15.3	1899.0	-45.8	-15.3	155.2
1- 1	2613.0	27.6	5775.7	-120.9	-58.7	283.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-15	si	2	Sx	-30.6	0.0	76.2	135.5
1- 1	si	7	Tz	-22.6	-2.2	0.0	22.9
1- 1	si	5	TySi	-1.0	0.0	-242.4	419.9
1- 1	si	6	TySi	-5.1	0.0	-242.4	419.9

PROGR. 10.

## SOLLECCI TAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4-15	3967.3	40.7	1899.0	-45.8	-15.3	154.1
1- 1	2966.1	101.0	5775.7	-120.9	-58.7	281.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-15	si	2	Sx	-34.0	0.0	76.2	136.3
1- 1	si	7	Tz	-25.3	-2.2	0.0	25.6
1- 1	si	5	TySi	4.6	0.0	-242.4	419.8
1- 1	si	6	TySi	-10.6	0.0	-242.4	419.9

## VERIFICAZIONE STABILITÀ :

Z | LO = 10. | Ro = 5.77 | Im = 1.7 | Ncr=276348923.2 | alfa(c) = 0.4900 | ki = 1.0000  
 Y | Lc = 10. | Ro = 0.58 | Im = 17.3 | Ncr= 2763489.2 | alfa(c) = 0.4900 | ki = 0.9864  
 Caso 4- 2 - Nodo 4 - Asse Y  
 Ned = -48.4 | Mzeq = -4816.4 | Myeq = -212.9 | Ss = -53.3 ( 0.016)

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 13- 175 ) 171

SOLLECI TAZI ONI		----- PROGR. 0.						
Caso		MZ	MY	MT	N	TZ	TY	
1- 1		121.3	0.0	-122.7	-23.6	17.2	-36.5	
4- 2		58.3	0.0	-56.0	-15.5	17.8	-19.6	

TENSIONI (Sz= 0.00)		----- PROGR. 2.						
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	-1.5	0.0	4.9	8.7	
4- 2	si	7	Tz	-0.8	0.7	0.0	1.4	
1- 1	si	5	TySi	-0.6	0.0	6.3	10.9	

SOLLECI TAZI ONI		----- PROGR. 4.						
Caso		MZ	MY	MT	N	TZ	TY	
1- 1		48.7	-33.9	-122.7	-23.6	17.2	-37.3	
4- 2		19.1	-35.1	-56.0	-15.5	17.8	-20.2	

TENSIONI (Sz= 0.00)		----- PROGR. 6.						
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	-3.5	0.0	4.9	9.2	
4- 2	si	7	Tz	-0.5	0.7	0.0	1.3	
1- 1	si	5	TySi	-3.1	0.0	6.3	11.4	

SOLLECI TAZI ONI		----- PROGR. 8.						
Caso		MZ	MY	MT	N	TZ	TY	
1- 1		-25.5	-67.8	-122.7	-23.6	17.2	-38.1	
4- 2		-21.4	-70.3	-56.0	-15.5	17.8	-20.9	

TENSIONI (Sz= 0.00)		----- PROGR. 10.						
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	-5.9	0.0	4.9	10.4	
4- 2	si	7	Tz	-0.2	0.7	0.0	1.2	
1- 1	si	5	TySi	-5.7	0.0	6.4	12.4	

SOLLECI TAZI ONI		----- PROGR. 12.						
Caso		MZ	MY	MT	N	TZ	TY	
1- 1		-101.3	-101.7	-122.7	-23.6	17.2	-38.9	
4- 2		-63.1	-105.4	-56.0	-15.5	17.8	-21.5	

TENSIONI (Sz= 0.00)		----- PROGR. 14.						
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	-9.0	0.0	4.9	12.4	
4- 2	si	7	Tz	0.1	0.7	0.0	1.2	
1- 1	si	5	TySi	-8.2	0.0	6.4	13.8	

SOLLECI TAZI ONI		----- PROGR. 16.						
Caso		MZ	MY	MT	N	TZ	TY	
1- 1		-178.7	-135.7	-122.7	-23.6	17.2	-39.7	
4- 2		-106.2	-140.5	-56.0	-15.5	17.8	-22.1	

TENSIONI (Sz= 0.00)		----- PROGR. 18.						
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	-12.1	0.0	4.9	14.8	
4- 2	si	7	Tz	0.4	0.7	0.0	1.2	
1- 1	si	5	TySi	-10.8	0.0	6.4	15.5	

SOLLECI TAZI ONI		----- PROGR. 20.						
Caso		MZ	MY	MT	N	TZ	TY	
1- 1		-257.6	-169.6	-122.7	-23.6	17.2	-40.5	
4- 2		-149.8	-175.7	-56.0	-15.5	17.8	-22.7	

TENSIONI (Sz= 0.00)		----- PROGR. 22.						
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	-15.2	0.0	4.9	17.5	
4- 2	si	7	Tz	0.7	0.7	0.0	1.4	
1- 1	si	5	Ty	-13.3	0.0	6.4	17.4	

SOLLECI TAZI ONI		----- PROGR. 24.						
Caso		MZ	MY	MT	N	TZ	TY	
1- 1		-338.1	-203.5	-122.7	-23.6	17.2	-41.3	
4- 2		-195.3	-210.8	-56.0	-15.5	17.8	-23.3	

TENSIONI (Sz= 0.00)		----- PROGR. 26.						
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	-18.4	0.0	4.9	20.3	
4- 2	si	7	Tz	1.1	0.7	0.0	1.6	
1- 1	si	5	Ty	-15.9	0.0	6.5	19.4	

SOLLECI TAZI ONI		----- PROGR. 28.						
Caso		MZ	MY	MT	N	TZ	TY	
1- 1		-420.2	-237.4	-122.7	-23.6	17.2	-42.1	
4- 2		-241.9	-245.9	-56.0	-15.5	17.8	-24.0	

TENSIONI (Sz= 0.00)		----- PROGR. 30.						
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	-21.5	0.0	4.9	23.2	
4- 2	si	7	Tz	1.4	0.7	0.0	1.8	
1- 1	si	5	Ty	-18.4	0.0	6.5	21.6	

SOLLECI TAZI ONI		----- PROGR. 32.						
Caso		MZ	MY	MT	N	TZ	TY	
1- 1		-503.9	-271.3	-122.7	-23.6	17.2	-42.9	
4- 2		-289.6	-281.1	-56.0	-15.5	17.8	-24.6	

TENSIONI (Sz= 0.00)		----- PROGR. 34.						
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	-24.7	0.0	4.9	26.1	
4- 2	si	7	Tz	1.8	0.7	0.0	2.1	
1- 1	si	5	Ty	-20.9	0.0	6.5	23.8	

VERI F I C A S T A B I L I T A` :

Z	LO = 16.	Ro = 5.77	Im = 2.7	Ncr=111402942.1	al fa(c) = 0.4900	ki = 1.0000
Y	Lc = 16.	Ro = 0.58	Im = 27.3	Ncr= 1114029.4	al fa(c) = 0.4900	ki = 0.9198
Caso 1- 1 - Nodo 4 - Asse Y	Ned = -23.6	Mzeq = -378.0	Myeq = -203.5	Ss = -18.7	( 0.006)	

RETTANGOLARE\_S003 ( 3 ) stato li mi te ul ti mo - ASTA ( 175- 3 ) 172  
----- PROGR. 0.

SOLLECI TAZI ONI		----- PROGR. 2.						
Caso		MZ	MY	MT	N	TZ	TY	
1- 1		-501.6	-271.3	-195.3	-75.2	-90.0	-70.0	
4- 2		-283.0	-281.1	-69.9	-44.4	-93.6	-36.7	
4- 7		-315.2	49.6	-231.9	-103.5	16.1	-49.6	

TENSIONI (Sz= 0.00)		----- PROGR. 4.						
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	-26.0	0.0	7.8	29.3	
4- 2	si	7	Tz	1.0	-3.5	0.0	6.2	
4- 7	si	5	Ty	1.1	0.0	11.2	19.4	

SOLLECI TAZI ONI : ----- PROGR. 2.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-640.1	-94.2	-195.3	-75.2	-90.0	-70.8
4- 2	-356.0	-92.5	-69.9	-44.4	-93.6	-37.3
4- 7	-413.4	22.2	-231.9	-103.5	16.1	-50.2

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-13.7	0.0	7.8	19.3
4- 2	si	7	Tz	1.6	-3.5	0.0	6.3
4- 7	si	5	Ty	-0.9	0.0	11.2	19.4
1- 1	si	5	Si	-8.9	0.0	10.5	20.2

----- PROGR. 4.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-780.2	83.0	-195.3	-75.2	-90.0	-71.6
4- 2	-430.1	87.4	-69.9	-44.4	-93.6	-38.0
4- 7	-512.9	-13.7	-231.9	-103.5	16.1	-50.9

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	-14.0	0.0	7.8	19.5
4- 2	si	7	Tz	2.1	-3.5	0.0	6.4
4- 7	si	5	Ty	-3.6	0.0	11.2	19.8
1- 1	si	6	Si	-8.1	0.0	10.5	19.9

----- PROGR. 6.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-921.8	260.2	-195.3	-75.2	-90.0	-72.4
4- 2	-505.5	271.5	-69.9	-44.4	-93.6	-38.6
4- 7	-613.6	-45.5	-231.9	-103.5	16.1	-51.5

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	-28.3	0.0	7.8	31.4
4- 2	si	7	Tz	2.7	-3.5	0.0	6.6
4- 7	si	5	Ty	-6.0	0.0	11.2	20.4

----- PROGR. 8.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1065.1	437.4	-195.3	-75.2	-90.0	-73.2
4- 2	-582.1	455.7	-69.9	-44.4	-93.6	-39.2
4- 7	-715.6	-77.2	-231.9	-103.5	16.1	-52.1

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	-42.7	0.0	7.8	44.8
4- 2	si	7	Tz	3.3	-3.5	0.0	6.9
4- 7	si	5	Ty	-8.4	0.0	11.3	21.2

----- PROGR. 10.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1209.9	614.5	-195.3	-75.2	-90.0	-74.0
4- 2	-659.9	639.9	-69.9	-44.4	-93.6	-39.8
4- 7	-818.8	-108.9	-231.9	-103.5	16.1	-52.7

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	-57.0	0.0	7.8	58.6
4- 2	si	7	Tz	3.8	-3.5	0.0	7.2
4- 7	si	5	Ty	-10.8	0.0	11.3	22.3

----- PROGR. 12.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1356.4	791.7	-195.3	-75.2	-90.0	-74.8
4- 2	-738.9	824.1	-69.9	-44.4	-93.6	-40.4
4- 7	-923.2	-140.6	-231.9	-103.5	16.1	-53.3

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	-71.4	0.0	7.8	72.7
4- 2	si	7	Tz	4.4	-3.5	0.0	7.5
4- 7	si	5	Ty	-13.1	0.0	11.3	23.6

----- PROGR. 14.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1504.4	968.9	-195.3	-75.2	-90.0	-75.6
4- 2	-819.1	1008.2	-69.9	-44.4	-93.6	-41.1
4- 7	-1028.8	-172.3	-231.9	-103.5	16.1	-54.0

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	-85.8	0.0	7.8	86.9
4- 2	si	7	Tz	5.0	-3.5	0.0	7.9
4- 7	si	5	Ty	-15.5	0.0	11.3	25.0

----- PROGR. 16.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1653.9	1146.0	-195.3	-75.2	-90.0	-76.4
4- 2	-900.6	1192.4	-69.9	-44.4	-93.6	-41.7
4- 7	-1135.6	-204.0	-231.9	-103.5	16.1	-54.6

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	-100.2	0.0	7.8	101.2
4- 2	si	7	Tz	5.6	-3.5	0.0	8.3
4- 7	si	5	Ty	-17.9	0.0	11.4	26.6

VERI FICA STABI LI TA` :

Z | LO = 16. | Ro = 5.77 | Im = 2.7 | Ncr=111402942.1 | al fa(c )=0.4900 | ki=1.0000  
 Y | Lc = 16. | Ro = 0.58 | Im = 27.3 | Ncr= 1114029.4 | al fa(c )=0.4900 | ki=0.9198  
 Caso 1- 1 - Nodo 3 - Asse Y  
 Ned = -75.2 | Mzeq = -1390.1 | Myeq = 859.5 | Ss = -76.9 ( 0.023)

RETTANGOLARE\_S003 ( 3 ) stato li mi te ul ti mo - ASTA ( 14- 184) 173  
 0. PROGR.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	134.4	0.0	120.9	1.1	16.8	-43.3
4- 9	87.2	0.0	94.4	-3.5	18.5	-24.7

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	1.0	0.0	4.9	8.5
4- 9	si	7	Tz	-0.7	0.7	0.0	1.4
1- 1	si	5	TySi	0.0	0.0	6.5	11.2

----- PROGR. 2.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-10	38.5	-36.3	95.7	-4.0	18.4	-25.5
4- 9	38.1	-36.4	94.4	-3.5	18.5	-25.3

1-1	1	48.4	-33.1	120.9	1.1	16.8	-44.1
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-10	si	1	Sx	-3.1	0.0	3.8	7.3
4-9	si	7	Tz	-0.4	0.7	0.0	1.3
1-1	si	5	Ty	-2.5	0.0	6.5	11.5
1-1	si	6	Si	2.5	0.0	6.5	11.5

SOLLECCI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
4-9		-12.5	-72.9	94.4	-3.5	18.5	-25.9
1-1		-39.3	-66.2	120.9	1.1	16.8	-44.9

TENSIONI (Sz=0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-9	si	4	Sx	-5.6	0.0	3.8	8.7
4-9	si	7	Tz	0.0	0.7	0.0	1.2
1-1	si	5	Ty	-4.9	0.0	6.5	12.4
1-1	si	6	Si	5.0	0.0	6.5	12.4

SOLLECCI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
4-9		-63.9	-109.3	94.4	-3.5	18.5	-26.6
1-1		-128.5	-99.3	120.9	1.1	16.8	-45.7

TENSIONI (Sz=0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-9	si	4	Sx	-8.8	0.0	3.8	11.0
4-9	si	7	Tz	0.4	0.7	0.0	1.3
1-1	si	5	Ty	-7.4	0.0	6.6	13.6
1-1	si	6	Si	7.5	0.0	6.6	13.6

SOLLECCI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
4-9		-116.5	-145.8	94.4	-3.5	18.5	-27.2
1-1		-219.3	-132.4	120.9	1.1	16.8	-46.5

TENSIONI (Sz=0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-9	si	4	Sx	-11.9	0.0	3.8	13.6
4-9	si	7	Tz	0.8	0.7	0.0	1.4
1-1	si	5	Ty	-9.9	0.0	6.6	15.1
1-1	si	6	Si	10.0	0.0	6.6	15.2

SOLLECCI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
4-9		-172.7	-182.2	94.4	-3.5	18.5	-27.8
1-1		-311.7	-165.5	120.9	1.1	16.8	-47.3

TENSIONI (Sz=0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-9	si	4	Sx	-15.1	0.0	3.8	16.4
4-9	si	7	Tz	1.2	0.7	0.0	1.7
1-1	si	5	Ty	-12.4	0.0	6.6	16.9
1-1	si	2	Si	14.8	0.0	4.9	17.0

SOLLECCI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
4-9		-227.2	-218.7	94.4	-3.5	18.5	-28.4
1-1		-405.6	-198.6	120.9	1.1	16.8	-48.1

TENSIONI (Sz=0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-9	si	4	Sx	-18.2	0.0	3.8	19.3
4-9	si	7	Tz	1.6	0.7	0.0	2.0
1-1	si	5	Ty	-14.9	0.0	6.7	18.8
1-1	si	2	Si	18.0	0.0	4.9	19.8

SOLLECCI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
4-9		-283.5	-255.1	94.4	-3.5	18.5	-29.0
1-1		-501.2	-231.7	120.9	1.1	16.8	-48.9

TENSIONI (Sz=0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-9	si	4	Sx	-21.3	0.0	3.8	22.3
4-9	si	7	Tz	2.0	0.7	0.0	2.4
1-1	si	5	Ty	-17.3	0.0	6.7	20.9
1-1	si	2	Si	21.2	0.0	4.9	22.8

SOLLECCI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
4-9		-341.1	-291.6	94.4	-3.5	18.5	-29.6
1-1		-598.3	-264.8	120.9	1.1	16.8	-49.7

TENSIONI (Sz=0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-9	si	4	Sx	-24.5	0.0	3.8	25.4
4-9	si	7	Tz	2.5	0.7	0.0	2.7
1-1	si	5	Ty	-19.8	0.0	6.7	23.0
1-1	si	2	Si	24.4	0.0	4.9	25.8

VERIFICA STABILITA` :

Z | LO = 16. | Ro = 5.77 | Im = 2.7 | Ncr=111402942.1 | al fa(c) = 0.4900 | ki = 1.0000  
 Y | Lc = 16. | Ro = 0.58 | Im = 27.3 | Ncr = 1114029.4 | al fa(c) = 0.4900 | ki = 0.9198  
 Caso 4-9 - Nodo 4 - Asse Y  
 Ned = -3.5 | Mzeq = -255.8 | Myeq = -218.7 | Ss = -18.4 ( 0.005)

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 184- 10 ) 174  
 0. PROGR.

SOLLECCI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
4-9		-310.7	-291.6	133.8	-31.8	-98.6	-47.0
1-1		-563.2	-264.8	127.9	-19.1	-90.2	-79.9
4-10		-312.3	-290.1	136.0	-33.6	-98.1	-47.2

TENSIONI (Sz=0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-9	si	4	Sx	-25.0	0.0	5.4	26.7
4-9	si	7	Tz	1.5	-3.7	0.0	6.6
1-1	si	5	Ty	-20.3	0.0	8.1	24.7
4-10	si	4	Si	-24.9	0.0	5.5	26.7

SOLLECCI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1-1		-721.3	-87.3	127.9	-19.1	-90.2	-80.7
4-9		-403.7	-89.8	133.8	-31.8	-98.6	-47.6

TENSIONI (Sz=0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si

1-1	si	4	Sx	-12.4	0.0	5.1	15.3					
4-9	si	7	Tz	2.2	-3.7	0.0	6.8					
1-1	si	5	Ty	-7.0	0.0	8.2	15.8					
-----												
SOLLECCI TAZI ONI :												
Caso			MZ	MY	MT	N	TZ	TY				
1-1			-881.0	90.3	127.9	-19.1	-90.2	-81.5				
4-9			-498.0	97.4	133.8	-31.8	-98.6	-48.2				
TENSI ONI (Sz= 0.00) :												
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si					
1-1	si	3	Sx	-13.9	0.0	5.1	16.5					
4-9	si	7	Tz	2.9	-3.7	0.0	7.0					
1-1	si	5	Ty	6.3	0.0	8.2	15.5					
-----												
SOLLECCI TAZI ONI :												
Caso			MZ	MY	MT	N	TZ	TY				
1-1			-1042.2	267.8	127.9	-19.1	-90.2	-82.3				
4-9			-593.5	291.1	133.8	-31.8	-98.6	-48.8				
TENSI ONI (Sz= 0.00) :												
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si					
1-1	si	3	Sx	-28.4	0.0	5.1	29.7					
4-9	si	7	Tz	3.7	-3.7	0.0	7.4					
1-1	si	5	Ty	19.6	0.0	8.2	24.2					
-----												
SOLLECCI TAZI ONI :												
Caso			MZ	MY	MT	N	TZ	TY				
1-1			-1205.1	445.3	127.9	-19.1	-90.2	-83.1				
4-9			-690.2	485.1	133.8	-31.8	-98.6	-49.5				
TENSI ONI (Sz= 0.00) :												
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si					
1-1	si	3	Sx	-42.9	0.0	5.1	43.8					
4-9	si	7	Tz	4.4	-3.7	0.0	7.8					
1-1	si	5	Ty	32.9	0.0	8.3	35.9					
-----												
SOLLECCI TAZI ONI :												
Caso			MZ	MY	MT	N	TZ	TY				
4-9			-788.2	679.2	133.8	-31.8	-98.6	-50.1				
1-1			-1369.5	622.8	127.9	-19.1	-90.2	-83.9				
TENSI ONI (Sz= 0.00) :												
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si					
4-9	si	3	Sx	-57.6	0.0	5.4	58.4					
4-9	si	7	Tz	5.1	-3.7	0.0	8.2					
1-1	si	5	Ty	46.2	0.0	8.3	48.4					
-----												
SOLLECCI TAZI ONI :												
Caso			MZ	MY	MT	N	TZ	TY				
4-9			-887.4	873.3	133.8	-31.8	-98.6	-50.7				
1-1			-1535.6	800.3	127.9	-19.1	-90.2	-84.7				
TENSI ONI (Sz= 0.00) :												
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si					
4-9	si	3	Sx	-72.9	0.0	5.4	73.5					
4-9	si	7	Tz	5.9	-3.7	0.0	8.7					
1-1	si	5	Ty	59.5	0.0	8.3	61.3					
-----												
SOLLECCI TAZI ONI :												
Caso			MZ	MY	MT	N	TZ	TY				
4-9			-987.8	1067.4	133.8	-31.8	-98.6	-51.3				
1-1			-1703.2	977.8	127.9	-19.1	-90.2	-85.5				
TENSI ONI (Sz= 0.00) :												
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si					
4-9	si	3	Sx	-88.3	0.0	5.4	88.7					
4-9	si	7	Tz	6.6	-3.7	0.0	9.2					
1-1	si	5	Ty	72.9	0.0	8.3	74.3					
-----												
SOLLECCI TAZI ONI :												
Caso			MZ	MY	MT	N	TZ	TY				
4-9			-1089.5	1261.5	133.8	-31.8	-98.6	-51.9				
1-1			-1872.3	1155.3	127.9	-19.1	-90.2	-86.3				
TENSI ONI (Sz= 0.00) :												
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si					
4-9	si	3	Sx	-103.6	0.0	5.4	104.0					
4-9	si	7	Tz	7.4	-3.7	0.0	9.8					
1-1	si	5	Ty	86.2	0.0	8.4	87.4					
-----												
VERI F I C A S T A B I L I T A` :												
Z	LO =	16.	Ro =	5.77	Im =	2.7	Ncr=	111402942.1	al fa(c )=	0.4900	ki=	1.0000
Y	Lc =	16.	Ro =	0.58	Im =	27.3	Ncr=	1114029.4	al fa(c )=	0.4900	ki=	0.9198
Caso	4-9	-	Nodo	3	-	Asse	Y					
Ned =			-31.8	Mzeq =		-901.6	Myeq =			946.1	Ss =	-78.6 ( 0.023)
-----												
RETTANGOLARE_S003 ( 3) stato limite ultimo - ASTA ( 3- 140) 175												
-----												
SOLLECCI TAZI ONI :												
Caso			MZ	MY	MT	N	TZ	TY				
1-1			-49301.6	-850.4	-58.1	289.8	-49.6	530.2				
4-2			-8942.0	-884.7	-2.3	160.3	-51.4	194.4				
4-7			-36444.4	130.7	239.6	57.1	7.3	471.2				
TENSI ONI (Sz= 0.00) :												
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si					
1-1	si	2	Sx	440.8	0.0	2.3	440.8					
4-2	si	7	Tz	71.1	-1.9	0.0	71.2					
4-7	si	5	Ty	11.2	0.0	-27.3	48.6					
-----												
SOLLECCI TAZI ONI :												
Caso			MZ	MY	MT	N	TZ	TY				
1-1			-47865.0	-716.0	-58.1	289.8	-49.6	529.1				
4-2			-8432.7	-745.2	-2.3	160.3	-51.4	193.6				
4-7			-35188.1	110.9	239.6	57.1	7.3	470.4				
TENSI ONI (Sz= 0.00) :												
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si					
1-1	si	2	Sx	419.9	0.0	2.3	420.0					
4-2	si	7	Tz	67.3	-1.9	0.0	67.3					
4-7	si	5	Ty	9.7	0.0	-27.3	48.2					
-----												
SOLLECCI TAZI ONI :												
Caso			MZ	MY	MT	N	TZ	TY				
1-1			-46431.5	-581.5	-58.1	289.8	-49.6	528.0				
4-2			-7938.8	-605.6	-2.3	160.3	-51.4	192.7				
4-7			-33947.3	91.2	239.6	57.1	7.3	469.5				
TENSI ONI (Sz= 0.00) :												
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si					

1- 1	si	2	Sx	Si	399.1	0.0	2.3	399.1
4- 2	si	7	Tz		63.5	-1.9	0.0	63.6
4- 7	si	5	Ty		8.3	0.0	-27.2	47.9

8.

## SOLLECI TAZI ONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		-45000.9	-447.0	-58.1	289.8	-49.6	526.8
4- 2		-7477.3	-466.0	-2.3	160.3	-51.4	191.9
4- 7		-32739.1	71.5	239.6	57.1	7.3	468.7

## TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	378.3	0.0	2.3
4- 2	si	7	Tz		60.1	-1.9	0.0
4- 7	si	5	Ty		6.8	0.0	-27.2

11.

## SOLLECI TAZI ONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		-43573.3	-312.6	-58.1	289.8	-49.6	525.7
4- 2		-7092.8	-326.5	-2.3	160.3	-51.4	191.0
4- 7		-31608.0	51.7	239.6	57.1	7.3	467.8

## TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	357.5	0.0	2.3
4- 2	si	7	Tz		57.2	-1.9	0.0
4- 7	si	5	Ty		5.3	0.0	-27.2

14.

## SOLLECI TAZI ONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		-42148.8	-178.1	-58.1	289.8	-49.6	524.6
4- 2		-6846.0	-187.0	-2.3	160.3	-51.4	190.2
4- 7		-30614.9	32.0	239.6	57.1	7.3	467.0

## TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	336.7	0.0	2.3
4- 2	si	7	Tz		55.4	-1.9	0.0
4- 7	si	5	Ty		3.8	0.0	-27.1

16.

## SOLLECI TAZI ONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		-40727.2	-43.7	-58.1	289.8	-49.6	523.5
4- 2		-5589.4	-45.6	-2.3	160.3	-51.4	189.3
4- 7		-28612.0	14.0	239.6	57.1	7.3	466.1

## TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	316.0	0.0	2.3
4- 2	si	7	Tz		45.9	-1.9	0.0
4- 7	si	5	Ty		2.5	0.0	-27.1

19.

## SOLLECI TAZI ONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		-39308.6	90.8	-58.1	289.8	-49.6	522.4
4- 2		-5120.9	92.3	-2.3	160.3	-51.4	188.5
4- 7		-27397.5	-7.4	239.6	57.1	7.3	465.3

## TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	308.9	0.0	2.3
4- 2	si	7	Tz		42.4	-1.9	0.0
4- 7	si	5	Ty		0.9	0.0	-27.1

22.

## SOLLECI TAZI ONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		-37893.1	225.2	-58.1	289.8	-49.6	521.3
4- 2		-4633.6	231.8	-2.3	160.3	-51.4	187.6
4- 7		-26164.5	-27.2	239.6	57.1	7.3	464.4

## TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	308.3	0.0	2.3
4- 2	si	7	Tz		38.8	-1.9	0.0
4- 7	si	5	Ty		-0.6	0.0	-27.0

VERIFICA STABILITA' : asta tesa per tutti i casi di carico.

RETTANGOLARE\_S003 ( 3) stato limite ultimo - ASTA ( 140- 149) 176  
0.

## SOLLECI TAZI ONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		-37777.1	225.2	-94.5	223.2	13.6	443.6
4- 2		-4575.0	231.8	-15.0	128.1	14.0	152.8
4- 7		-26059.9	-27.2	214.5	-4.5	-1.7	434.2

## TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	305.8	0.0	3.8
4- 2	si	7	Tz		37.5	0.5	0.0
4- 7	si	5	Ty		-2.1	0.0	-24.9

3.

## SOLLECI TAZI ONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		-36575.3	188.3	-94.5	223.2	13.6	442.5
4- 2		-4174.2	193.7	-15.0	128.1	14.0	152.0
4- 7		-24901.3	-22.6	214.5	-4.5	-1.7	433.4

## TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	294.0	0.0	3.8
4- 2	si	7	Tz		34.5	0.5	0.0
4- 7	si	5	Ty		-1.8	0.0	-24.9

5.

## SOLLECI TAZI ONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		-35376.6	151.4	-94.5	223.2	13.6	441.4
4- 2		-3770.5	155.6	-15.0	128.1	14.0	151.1
4- 7		-23740.0	-18.1	214.5	-4.5	-1.7	432.5

## TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	282.3	0.0	3.8
4- 2	si	7	Tz		31.5	0.5	0.0
4- 7	si	5	Ty		-1.5	0.0	-24.8

8.

## SOLLECI TAZI ONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		-34180.9	114.5	-94.5	223.2	13.6	440.3
4- 2		-3366.1	117.6	-15.0	128.1	14.0	150.3
4- 7		-22578.2	-13.5	214.5	-4.5	-1.7	431.7

## TENSI ONI (Sz= 0.00) :



Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx Si	270.5	0.0	3.8	270.6
4- 2	si	7	Tz	28.4	0.5	0.0	28.5
4- 7	si	5	Ty	-1.1	0.0	-24.8	43.0

----- PROGR. 11.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-32988.1	77.6	-94.5	223.2	13.6	439.2
4- 2	-2962.0	79.5	-15.0	128.1	14.0	149.4
4- 7	-21417.0	-9.0	214.5	-4.5	-1.7	430.8

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx Si	258.8	0.0	3.8	258.9
4- 2	si	7	Tz	25.4	0.5	0.0	25.4
4- 7	si	5	Ty	-0.8	0.0	-24.8	42.9

----- PROGR. 14.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-31798.4	40.7	-94.5	223.2	13.6	438.1
4- 2	-2558.8	41.4	-15.0	128.1	14.0	148.6
4- 7	-20257.0	-4.4	214.5	-4.5	-1.7	430.0

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx Si	247.1	0.0	3.8	247.2
4- 2	si	7	Tz	22.4	0.5	0.0	22.4
4- 7	si	5	Ty	-0.4	0.0	-24.7	42.8

----- PROGR. 16.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-30611.7	3.8	-94.5	223.2	13.6	436.9
4- 2	-2156.9	3.4	-15.0	128.1	14.0	147.7
4- 7	-19098.6	0.3	214.5	-4.5	-1.7	429.1

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx Si	235.5	0.0	3.8	235.5
4- 2	si	7	Tz	19.4	0.5	0.0	19.4
4- 7	si	5	Ty	-0.1	0.0	-24.7	42.8

----- PROGR. 19.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-29427.9	-33.1	-94.5	223.2	13.6	435.8
4- 2	-1756.6	-33.4	-15.0	128.1	14.0	146.9
4- 7	-17942.1	6.0	214.5	-4.5	-1.7	428.3

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx Si	228.8	0.0	3.8	228.9
4- 2	si	7	Tz	16.4	0.5	0.0	16.4
4- 7	si	5	Ty	0.3	0.0	-24.7	42.7

----- PROGR. 22.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-28247.2	-70.0	-94.5	223.2	13.6	434.7
4- 2	-1357.9	-73.0	-15.0	128.1	14.0	146.0
4- 7	-16787.6	9.0	214.5	-4.5	-1.7	427.4

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx Si	222.7	0.0	3.8	222.8
4- 2	si	7	Tz	13.4	0.5	0.0	13.4
4- 7	si	5	Ty	0.6	0.0	-24.6	42.7

VERI F I CA STABI LI TA` :

Z | LO = 22. | Ro = 5.77 | Im = 3.8 | Ncr = 58686513.4 | al fa(c) = 0.4900 | ki = 1.0000  
 Y | Lc = 22. | Ro = 0.58 | Im = 37.6 | Ncr = 586865.1 | al fa(c) = 0.4900 | ki = 0.8475  
 Caso 4- 8 - Nodo 4 - Asse Y  
 Ned = -2.8 | Mzeq = -26147.3 | Myeq = -20.2 | Ss = -197.7 ( 0.058)

RETTANGOLARE\_S003 ( 3) stato limite ultimo - ASTA ( 149- 155) 177  
 ----- PROGR. 0.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-28197.8	-70.0	-60.6	197.0	-6.6	316.7
4- 9	-7164.7	-68.7	-167.7	189.5	-6.9	-95.8
4- 7	-16729.0	9.0	204.9	-60.4	0.8	373.5

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx Si	221.7	0.0	2.4	221.7
4- 9	si	7	Tz	58.5	-0.3	0.0	58.5
4- 7	si	5	Ty	-0.8	0.0	-22.2	38.5

----- PROGR. 3.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-27340.1	-52.2	-60.6	197.0	-6.6	315.6
4- 9	-7419.6	-51.1	-167.7	189.5	-6.9	-96.7
4- 7	-15723.2	7.9	204.9	-60.4	0.8	372.6

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx Si	213.9	0.0	2.4	213.9
4- 9	si	7	Tz	60.4	-0.3	0.0	60.4
4- 7	si	5	Ty	-0.9	0.0	-22.2	38.5

----- PROGR. 5.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-26485.5	-34.4	-60.6	197.0	-6.6	314.5
4- 9	-7676.9	-33.5	-167.7	189.5	-6.9	-97.5
4- 7	-14719.6	6.7	204.9	-60.4	0.8	371.8

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx Si	206.1	0.0	2.4	206.2
4- 9	si	7	Tz	62.3	-0.3	0.0	62.3
4- 7	si	5	Ty	-1.0	0.0	-22.2	38.4

----- PROGR. 8.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-25633.8	-16.6	-60.6	197.0	-6.6	313.4
4- 9	-7936.5	-15.8	-167.7	189.5	-6.9	-98.4
4- 7	-13718.3	5.5	204.9	-60.4	0.8	370.9

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx Si	198.4	0.0	2.4	198.5
4- 9	si	7	Tz	64.3	-0.3	0.0	64.3
4- 7	si	5	Ty	-1.1	0.0	-22.1	38.4

----- PROGR. 11.							
SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		-24785.2	1.2	-60.6	197.0	-6.6	312.3
4- 9		-8198.3	2.2	-167.7	189.5	-6.9	-99.2
4- 7		-12719.4	4.0	204.9	-60.4	0.8	370.1

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	190.9	0.0	2.4	191.0
4- 9	si	7	Tz	66.2	-0.3	0.0	66.2
4- 7	si	5	Ty	-1.2	0.0	-22.1	38.3

----- PROGR. 14.							
SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		-23939.5	19.1	-60.6	197.0	-6.6	311.2
4- 9		-8462.3	20.6	-167.7	189.5	-6.9	-100.1
4- 7		-11722.9	2.1	204.9	-60.4	0.8	369.2

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	185.9	0.0	2.4	185.9
4- 9	si	7	Tz	68.2	-0.3	0.0	68.2
4- 7	si	5	Ty	-1.4	0.0	-22.1	38.3

----- PROGR. 16.							
SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		-23096.9	36.9	-60.6	197.0	-6.6	310.1
4- 9		-8728.5	39.2	-167.7	189.5	-6.9	-100.9
4- 7		-10728.9	-0.1	204.9	-60.4	0.8	368.4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	180.9	0.0	2.4	181.0
4- 9	si	7	Tz	70.2	-0.3	0.0	70.2
4- 7	si	5	Ty	-1.5	0.0	-22.0	38.2

----- PROGR. 19.							
SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		-22257.3	54.7	-60.6	197.0	-6.6	309.0
4- 9		-8996.7	57.9	-167.7	189.5	-6.9	-101.8
4- 7		-9737.5	-2.3	204.9	-60.4	0.8	367.5

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	176.0	0.0	2.4	176.0
4- 9	si	7	Tz	72.2	-0.3	0.0	72.2
4- 7	si	5	Ty	-1.7	0.0	-22.0	38.2

----- PROGR. 22.							
SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		-21420.7	72.5	-60.6	197.0	-6.6	307.9
4- 9		-9267.0	76.5	-167.7	189.5	-6.9	-102.6
4- 7		-8748.6	-4.5	204.9	-60.4	0.8	366.7

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	171.0	0.0	2.4	171.1
4- 9	si	7	Tz	74.2	-0.3	0.0	74.2
4- 7	si	5	Ty	-1.8	0.0	-22.0	38.1

VERI F I C A S T A B I L I T A ` :

Z | LO = 22. | Ro = 5.77 | Im = 3.8 | Ncr = 58686513.4 | al fa(c) = 0.4900 | ki = 1.0000  
 Y | Lc = 22. | Ro = 0.58 | Im = 37.6 | Ncr = 586865.1 | al fa(c) = 0.4900 | ki = 0.8475  
 Caso 4- 8 - Nodo 3 - Asse Y  
 Ned = -57.5 | Mzeq = -16637.6 | Myeq = 6.8 | Ss = -127.0 ( 0.038)

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 155- 161 ) 178  
 ----- PROGR. 0.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		-21355.0	72.5	-21.6	202.7	13.8	187.6
4- 9		-9269.7	76.5	-134.7	237.2	14.8	-160.9
4- 7		-8682.3	-4.5	183.1	-124.1	-0.7	310.2

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	170.7	0.0	0.9	170.7
4- 9	si	7	Tz	75.5	0.6	0.0	75.5
4- 7	si	5	Ty	-3.4	0.0	-19.0	33.1

----- PROGR. 3.							
SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		-20847.6	35.2	-21.6	202.7	13.8	186.5
4- 9		-9699.8	34.0	-134.7	237.2	14.8	-161.7
4- 7		-7849.4	-0.1	183.1	-124.1	-0.7	309.4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	164.1	0.0	0.9	164.1
4- 9	si	7	Tz	78.7	0.6	0.0	78.7
4- 7	si	5	Ty	-3.1	0.0	-18.9	33.0

----- PROGR. 5.							
SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		-20343.1	-2.2	-21.6	202.7	13.8	185.4
4- 9		-10131.8	-4.7	-134.7	237.2	14.8	-162.6
4- 7		-7019.1	0.4	183.1	-124.1	-0.7	308.5

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	157.8	0.0	0.9	157.8
4- 9	si	7	Tz	81.9	0.6	0.0	81.9
4- 7	si	5	Ty	-3.1	0.0	-18.9	32.9

----- PROGR. 8.							
SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		-19841.7	-39.5	-21.6	202.7	13.8	184.3
4- 9		-10565.8	-44.3	-134.7	237.2	14.8	-163.4
4- 7		-6191.6	1.8	183.1	-124.1	-0.7	307.7

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	156.8	0.0	0.9	156.9
4- 9	si	7	Tz	85.2	0.6	0.0	85.2
4- 7	si	5	Ty	-3.0	0.0	-18.9	32.8

----- PROGR. 11.							
SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		-19343.2	-76.9	-21.6	202.7	13.8	183.2

4-9	-11001.6	-84.2	-134.7	237.2	14.8	-164.3		
4-7	-5366.9	3.5	183.1	-124.1	-0.7	306.8		
TENSIONI (Sz=0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	Si	155.9	0.0	0.9	155.9
4-9	si	7	Tz		88.4	0.6	0.0	88.4
4-7	si	5	Ty		-2.8	0.0	-18.9	32.8
----- PROGR.								
14.								

SOLLECI TAZI ONI :								
Caso		MZ	MY	MT	N	TZ	TY	
1-1		-18847.8	-114.2	-21.6	202.7	13.8	182.1	
4-9		-11439.2	-124.2	-134.7	237.2	14.8	-165.1	
4-7		-4545.0	5.3	183.1	-124.1	-0.7	306.0	
TENSIONI (Sz=0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	Si	155.0	0.0	0.9	155.0
4-9	si	7	Tz		91.7	0.6	0.0	91.7
4-7	si	5	Ty		-2.7	0.0	-18.8	32.7
----- PROGR.								
16.								

SOLLECI TAZI ONI :								
Caso		MZ	MY	MT	N	TZ	TY	
1-1		-18355.3	-151.6	-21.6	202.7	13.8	181.0	
4-9		-11878.5	-164.2	-134.7	237.2	14.8	-166.0	
4-7		-3726.0	7.1	183.1	-124.1	-0.7	305.1	
TENSIONI (Sz=0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	Si	154.1	0.0	0.9	154.1
4-9	si	7	Tz		95.0	0.6	0.0	95.0
4-7	si	5	Ty		-2.6	0.0	-18.8	32.6
----- PROGR.								
19.								

SOLLECI TAZI ONI :								
Caso		MZ	MY	MT	N	TZ	TY	
1-1		-17865.9	-188.9	-21.6	202.7	13.8	179.9	
4-9		-12319.4	-204.2	-134.7	237.2	14.8	-166.8	
4-7		-2910.0	8.9	183.1	-124.1	-0.7	304.3	
TENSIONI (Sz=0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	Si	153.2	0.0	0.9	153.2
4-9	si	7	Tz		98.3	0.6	0.0	98.3
4-7	si	5	Ty		-2.4	0.0	-18.8	32.6
----- PROGR.								
22.								

SOLLECI TAZI ONI :								
Caso		MZ	MY	MT	N	TZ	TY	
1-1		-17379.5	-226.3	-21.6	202.7	13.8	178.8	
4-9		-12761.9	-244.2	-134.7	237.2	14.8	-167.7	
4-7		-2097.0	10.8	183.1	-124.1	-0.7	303.4	
TENSIONI (Sz=0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	Si	152.4	0.0	0.9	152.4
4-9	si	7	Tz		101.6	0.6	0.0	101.6
4-7	si	5	Ty		-2.3	0.0	-18.7	32.5

## VERIFI CA STABI LI TA` :

Z	LO = 22.	Ro = 5.77	Im = 3.8	Ncr= 58686513.4	al fa(c)=0.4900	ki=1.0000
Y	Lc = 22.	Ro = 0.58	Im = 37.6	Ncr= 586865.1	al fa(c)=0.4900	ki=0.8475
Caso	5-14 - Nodo 4 - Asse Y					
Ned	= -20.4   Mzeq = -14164.2   Myeq = -20.7   Ss = -108.4 ( 0.032)					

RETTANGOLARE_S003 ( 3 )	stato limite ultimo - ASTA ( 161- 10)	179
----- PROGR.		0.

SOLLECI TAZI ONI :								
Caso		MZ	MY	MT	N	TZ	TY	
1-1		-17387.8	-226.3	-79.0	249.8	-50.9	99.5	
4-9		-12801.5	-244.2	-137.7	326.8	-55.0	-206.0	
4-10		-12849.4	-243.1	-142.6	334.0	-54.8	-205.0	
TENSIONI (Sz=0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	Si	153.6	0.0	3.2	153.7
4-9	si	7	Tz		104.2	-2.1	0.0	104.2
4-10	si	5	Ty		-9.9	0.0	13.4	25.2
----- PROGR.								
3.								

SOLLECI TAZI ONI :								
Caso		MZ	MY	MT	N	TZ	TY	
1-1		-17119.4	-88.3	-79.0	249.8	-50.9	98.4	
4-9		-13349.1	-95.1	-137.7	326.8	-55.0	-206.8	
4-10		-13394.3	-94.7	-142.6	334.0	-54.8	-205.8	
TENSIONI (Sz=0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	Si	141.3	0.0	3.2	141.4
4-9	si	7	Tz		108.3	-2.1	0.0	108.3
4-10	si	5	Ty		1.2	0.0	13.4	23.3
----- PROGR.								
5.								

SOLLECI TAZI ONI :								
Caso		MZ	MY	MT	N	TZ	TY	
1-1		-16853.9	49.7	-79.0	249.8	-50.9	97.3	
4-9		-13898.0	51.2	-137.7	326.8	-55.0	-207.7	
4-10		-13940.6	51.0	-142.6	334.0	-54.8	-206.7	
TENSIONI (Sz=0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	Si	136.4	0.0	3.2	136.5
4-9	si	7	Tz		112.4	-2.1	0.0	112.5
4-10	si	5	Ty		12.2	0.0	13.5	26.3
----- PROGR.								
8.								

SOLLECI TAZI ONI :								
Caso		MZ	MY	MT	N	TZ	TY	
4-12		-16875.5	175.2	-99.1	305.3	-47.5	-168.1	
4-9		-14448.3	203.7	-137.7	326.8	-55.0	-208.5	
4-10		-14488.2	202.8	-142.6	334.0	-54.8	-207.5	
TENSIONI (Sz=0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
4-12	si	1	Sx	Si	147.3	0.0	4.0	147.5
4-9	si	7	Tz		116.5	-2.1	0.0	116.6
4-10	si	5	Ty		23.6	0.0	13.5	33.2
----- PROGR.								
11.								

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
4-12		-17347.3	303.9	-99.1	305.3	-47.5	-168.9
4-9		-14999.8	352.9	-137.7	326.8	-55.0	-209.4
4-10		-15037.1	351.3	-142.6	334.0	-54.8	-208.4
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si

4-12	si	1	Sx	Si	160.5	0.0	4.0	160.7
4-9	si	7	Tz		120.7	-2.1	0.0	120.7
4-10	si	5	Ty		34.7	0.0	13.5	41.9

----- PROGR. 14.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-12	-17822.7	432.6	-99.1	305.3	-47.5	-169.8
4-9	-15552.4	502.1	-137.7	326.8	-55.0	-210.2
4-10	-15587.0	499.9	-142.6	334.0	-54.8	-209.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si	
4-12	si	1	Sx	Si	173.7	0.0	4.0	173.9
4-9	si	7	Tz		124.8	-2.1	0.0	124.9
4-10	si	5	Ty		45.8	0.0	13.6	51.5

----- PROGR. 16.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-12	-18301.7	561.3	-99.1	305.3	-47.5	-170.6
4-9	-16105.9	651.3	-137.7	326.8	-55.0	-211.1
4-10	-16137.8	648.4	-142.6	334.0	-54.8	-210.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si	
4-12	si	1	Sx	Si	187.0	0.0	4.0	187.1
4-9	si	7	Tz		129.0	-2.1	0.0	129.0
4-10	si	5	Ty		57.0	0.0	13.6	61.7

----- PROGR. 19.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-12	-18784.6	690.1	-99.1	305.3	-47.5	-171.5
4-9	-16660.2	800.5	-137.7	326.8	-55.0	-211.9
4-10	-16689.5	797.0	-142.6	334.0	-54.8	-211.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si	
4-12	si	1	Sx	Si	200.3	0.0	4.0	200.4
4-9	si	7	Tz		133.1	-2.1	0.0	133.2
4-10	si	5	Ty		68.1	0.0	13.6	72.1

----- PROGR. 22.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-12	-19271.5	818.8	-99.1	305.3	-47.5	-172.3
4-9	-17215.2	949.7	-137.7	326.8	-55.0	-212.8
4-10	-17241.9	945.5	-142.6	334.0	-54.8	-211.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si	
4-12	si	1	Sx	Si	213.6	0.0	4.0	213.7
4-9	si	7	Tz		137.3	-2.1	0.0	137.3
4-10	si	5	Ty		79.3	0.0	13.7	82.7

## VERIFI CA STABI LI TA` :

Z | LO = 22. | Ro = 5.77 | Im = 3.8 | Ncr= 58686513.4 | al fa(c) =0.4900 | ki =1.0000  
 Y | Lc = 22. | Ro = 0.58 | Im = 37.6 | Ncr= 586865.1 | al fa(c) =0.4900 | ki =0.8475

Caso 4-15 - Nodo 3 - Asse Y

Ned = -8.9 | Mzeq = -16094.0 | Myeq = 9.9 | Ss = -121.7 ( 0.036)

RETTANGOLARE\_S003 ( 3) stato limite ultimo - ASTA ( 10- 166) 180  
----- PROGR. 0.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-1	50446.7	-1003.4	-159.9	279.0	-63.4	-776.5
4-9	24760.6	-1066.6	-102.6	155.5	-67.5	-385.8
1-1	48885.2	-978.3	-291.1	123.4	-62.0	-989.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si	
4-1	si	3	Sx	Si	460.6	0.0	6.4	460.7
4-9	si	7	Tz		-181.8	-2.5	0.0	181.9
1-1	si	5	Ty		-70.3	0.0	48.8	109.9

----- PROGR. 2.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-1	48519.0	-845.9	-159.9	279.0	-63.4	-777.3
4-9	23801.5	-899.1	-102.6	155.5	-67.5	-386.6
1-1	46428.1	-824.4	-291.1	123.4	-62.0	-990.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si	
4-1	si	3	Sx	Si	434.3	0.0	6.4	434.5
4-9	si	7	Tz		-174.6	-2.5	0.0	174.7
1-1	si	5	Ty		-58.7	0.0	48.8	103.0

----- PROGR. 5.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-1	46589.3	-688.4	-159.9	279.0	-63.4	-778.1
4-9	22840.3	-731.5	-102.6	155.5	-67.5	-387.3
1-1	43968.5	-670.6	-291.1	123.4	-62.0	-991.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si	
4-1	si	3	Sx	Si	408.0	0.0	6.4	408.2
4-9	si	7	Tz		-167.4	-2.5	0.0	167.5
1-1	si	5	Ty		-47.2	0.0	48.8	96.9

----- PROGR. 7.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-1	44657.9	-530.9	-159.9	279.0	-63.4	-778.9
4-9	21877.2	-563.9	-102.6	155.5	-67.5	-388.1
1-1	41506.3	-516.7	-291.1	123.4	-62.0	-992.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si	
4-1	si	3	Sx	Si	381.7	0.0	6.4	381.9
4-9	si	7	Tz		-160.2	-2.5	0.0	160.3
1-1	si	5	Ty		-35.7	0.0	48.9	91.9

----- PROGR. 10.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-1	42724.7	-373.4	-159.9	279.0	-63.4	-779.7
4-9	20912.2	-396.4	-102.6	155.5	-67.5	-388.9
1-1	39041.7	-362.9	-291.1	123.4	-62.0	-993.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si	
4-1	si	3	Sx	Si	355.4	0.0	6.4	355.6
4-9	si	7	Tz		-153.0	-2.5	0.0	153.0
1-1	si	5	Ty		-24.1	0.0	48.9	88.1

----- PROGR. 12.

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso							
4- 1		40789. 7	-215. 8	-159. 9	279. 0	-63. 4	-780. 4
4- 9		19945. 1	-228. 8	-102. 6	155. 5	-67. 5	-389. 7
1- 1		36574. 6	-209. 0	-291. 1	123. 4	-62. 0	-994. 1

TENSI ONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	Ve No massi mi				
4- 1	si 3 Sx Si	329. 1	0. 0	6. 4	329. 3
4- 9	si 7 Tz	-145. 7	-2. 5	0. 0	145. 8
1- 1	si 5 Ty	-12. 6	0. 0	49. 0	85. 7

PROGR.

15.

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso							
4- 1		38852. 9	-58. 0	-159. 9	279. 0	-63. 4	-781. 2
4- 9		18976. 1	-61. 6	-102. 6	155. 5	-67. 5	-390. 5
1- 1		34104. 9	-55. 2	-291. 1	123. 4	-62. 0	-995. 1

TENSI ONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	Ve No massi mi				
4- 1	si 3 Sx Si	302. 7	0. 0	6. 4	302. 9
4- 9	si 7 Tz	-138. 4	-2. 5	0. 0	138. 5
1- 1	si 5 Ty	-1. 1	0. 0	49. 0	84. 9

PROGR.

17.

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso							
4- 1		36914. 4	98. 9	-159. 9	279. 0	-63. 4	-782. 0
4- 9		18005. 0	106. 6	-102. 6	155. 5	-67. 5	-391. 2
1- 1		31632. 7	98. 7	-291. 1	123. 4	-62. 0	-996. 2

TENSI ONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	Ve No massi mi				
4- 1	si 4 Sx Si	291. 3	0. 0	6. 4	291. 5
4- 9	si 7 Tz	-131. 2	-2. 5	0. 0	131. 2
1- 1	si 5 Ty	10. 5	0. 0	49. 0	85. 6

PROGR.

20.

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso							
4- 1		34974. 1	256. 5	-159. 9	279. 0	-63. 4	-782. 8
4- 9		17032. 0	274. 1	-102. 6	155. 5	-67. 5	-392. 0
1- 1		29158. 0	252. 5	-291. 1	123. 4	-62. 0	-997. 2

TENSI ONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	Ve No massi mi				
4- 1	si 4 Sx Si	288. 5	0. 0	6. 4	288. 7
4- 9	si 7 Tz	-123. 9	-2. 5	0. 0	123. 9
1- 1	si 5 Ty	22. 0	0. 0	49. 1	87. 8

VERIFI CA STABI LI TA` :

Z	LO = 20.	Ro = 5. 77	Im = 3. 4	Ncr= 70036488. 5	al fa(c )=0. 4900	ki=1. 0000
Y	Lc = 20.	Ro = 0. 58	Im = 34. 4	Ncr= 700364. 9	al fa(c )=0. 4900	ki=0. 8704
Caso 4- 7	- Nodolo 2 - Asse Y					
Ned =	-43. 9	Mzeq = 45811. 7	Myeq = 53. 8	Ss = -348. 9	( 0. 103)	

RETTANGOLARE\_S003 ( 3) stato limite ultimo - ASTA ( 166- 167) 181  
PROGR. 0.

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso							
4- 1		34850. 8	256. 5	-202. 4	257. 4	16. 1	-802. 1
4- 9		16980. 2	274. 1	-82. 8	135. 2	17. 3	-413. 0
1- 1		29004. 4	252. 5	-281. 5	131. 6	15. 7	-1043. 7

TENSI ONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	Ve No massi mi				
4- 1	si 4 Sx Si	287. 1	0. 0	8. 1	287. 4
4- 9	si 7 Tz	-124. 0	0. 6	0. 0	124. 0
1- 1	si 5 Ty	22. 2	0. 0	50. 4	90. 1

PROGR.

2.

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso							
4- 1		32860. 8	216. 6	-202. 4	257. 4	16. 1	-802. 9
4- 9		15953. 0	231. 2	-82. 8	135. 2	17. 3	-413. 7
1- 1		26411. 7	213. 5	-281. 5	131. 6	15. 7	-1044. 7

TENSI ONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	Ve No massi mi				
4- 1	si 4 Sx Si	269. 1	0. 0	8. 1	269. 5
4- 9	si 7 Tz	-116. 3	0. 6	0. 0	116. 3
1- 1	si 5 Ty	19. 3	0. 0	50. 5	89. 5

PROGR.

5.

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso							
4- 1		30869. 2	176. 7	-202. 4	257. 4	16. 1	-803. 7
4- 9		14923. 9	188. 3	-82. 8	135. 2	17. 3	-414. 5
1- 1		23816. 4	174. 5	-281. 5	131. 6	15. 7	-1045. 7

TENSI ONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	Ve No massi mi				
4- 1	si 4 Sx Si	251. 2	0. 0	8. 1	251. 6
4- 9	si 7 Tz	-108. 5	0. 6	0. 0	108. 6
1- 1	si 5 Ty	16. 4	0. 0	50. 5	89. 0

PROGR.

7.

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso							
4- 1		28876. 1	136. 8	-202. 4	257. 4	16. 1	-804. 5
4- 9		13892. 6	145. 5	-82. 8	135. 2	17. 3	-415. 3
1- 1		21218. 7	135. 4	-281. 5	131. 6	15. 7	-1046. 7

TENSI ONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	Ve No massi mi				
4- 1	si 4 Sx Si	233. 3	0. 0	8. 1	233. 7
4- 9	si 7 Tz	-100. 8	0. 6	0. 0	100. 8
1- 1	si 5 Ty	13. 4	0. 0	50. 5	88. 6

PROGR.

10.

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso							
4- 1		26881. 4	96. 8	-202. 4	257. 4	16. 1	-805. 3
4- 9		12859. 3	102. 6	-82. 8	135. 2	17. 3	-416. 1
1- 1		18618. 4	96. 4	-281. 5	131. 6	15. 7	-1047. 7

TENSI ONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	Ve No massi mi				
4- 1	si 4 Sx Si	215. 3	0. 0	8. 1	215. 8
4- 9	si 7 Tz	-93. 1	0. 6	0. 0	93. 1
1- 1	si 5 Ty	10. 5	0. 0	50. 6	88. 2

PROGR.

12.

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso							
4- 1		24885. 4	56. 7	-202. 4	257. 4	16. 1	-806. 0
4- 9		11823. 8	59. 9	-82. 8	135. 2	17. 3	-416. 8

1-1	16015.6	57.4	-281.5	131.6	15.7	-1048.8
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
4-1	si	4	Sx	197.3	0.0	8.1
4-9	si	7	Tz	-85.3	0.6	0.0
1-1	si	5	Ty	7.6	0.0	50.6
----- PROGR. 15.						

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
4-1	22888.0	18.0	-202.4	257.4	16.1	-806.8
4-9	10786.0	15.8	-82.8	135.2	17.3	-417.6
1-1	13410.3	18.4	-281.5	131.6	15.7	-1049.8

TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
4-1	si	4	Sx	179.4	0.0	8.1
4-9	si	7	Tz	-77.5	0.6	0.0
1-1	si	5	Ty	4.7	0.0	50.7
----- PROGR. 17.						

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
4-1	20889.6	-22.4	-202.4	257.4	16.1	-807.6
4-9	9746.0	-26.6	-82.8	135.2	17.3	-418.4
1-1	10802.5	-20.6	-281.5	131.6	15.7	-1050.8

TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
4-1	si	3	Sx	164.8	0.0	8.1
4-9	si	7	Tz	-69.7	0.6	0.0
1-1	si	5	Ty	1.7	0.0	50.7
----- PROGR. 20.						

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
4-1	18890.2	-62.4	-202.4	257.4	16.1	-808.4
4-9	8703.6	-69.3	-82.8	135.2	17.3	-419.2
1-1	8192.1	-59.7	-281.5	131.6	15.7	-1051.8

TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
4-1	si	3	Sx	152.8	0.0	8.1
4-9	si	7	Tz	-61.9	0.6	0.0
1-1	si	5	Ty	-1.2	0.0	50.7
----- PROGR. 20.						

VERIFI CA STABI LI TA` :

Z | LO = 20. | Ro = 5.77 | Im = 3.4 | Ncr = 70036488.5 | al fa(c) = 0.4900 | ki = 1.0000  
 Y | Lc = 20. | Ro = 0.58 | Im = 34.4 | Ncr = 700364.9 | al fa(c) = 0.4900 | ki = 0.8704  
 Caso 4-7 - Nodo 1 - Asse Y  
 Ned = -5.9 | Mzeq = 31759.0 | Myeq = -14.8 | Ss = -239.5 ( 0.071)

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 167- 168 ) 182  
 ----- PROGR. 0.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
4-1	18745.5	-62.4	-127.5	246.0	-3.2	-845.1
4-10	7907.7	-69.3	38.8	100.6	-4.5	-457.0
1-1	7997.8	-59.7	-52.3	140.5	-3.5	-1130.7

TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
4-1	si	3	Sx	151.4	0.0	5.1
4-10	si	7	Tz	-56.8	-0.2	0.0
1-1	si	5	Ty	-1.0	0.0	44.5
----- PROGR. 2.						

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
4-1	16654.3	-54.2	-127.5	246.0	-3.2	-845.9
4-10	6768.6	-58.3	38.8	100.6	-4.5	-457.8
1-1	5188.9	-51.0	-52.3	140.5	-3.5	-1131.8

TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
4-1	si	3	Sx	135.1	0.0	5.1
4-10	si	7	Tz	-48.2	-0.2	0.0
1-1	si	5	Ty	-0.3	0.0	44.5
----- PROGR. 5.						

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
4-1	14563.0	-45.4	-127.5	246.0	-3.2	-846.7
4-10	5626.7	-47.8	38.8	100.6	-4.5	-458.6
1-1	2377.4	-42.4	-52.3	140.5	-3.5	-1132.8

TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
4-1	si	3	Sx	118.8	0.0	5.1
4-10	si	7	Tz	-39.7	-0.2	0.0
1-1	si	5	Ty	0.3	0.0	44.6
----- PROGR. 7.						

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
4-1	12472.1	-39.0	-127.5	246.0	-3.2	-847.5
4-10	4481.4	-35.0	38.8	100.6	-4.5	-459.3
1-1	-436.5	-33.8	-52.3	140.5	-3.5	-1133.8

TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
4-1	si	3	Sx	102.6	0.0	5.1
4-10	si	7	Tz	-31.1	-0.2	0.0
1-1	si	5	Ty	1.0	0.0	44.6
----- PROGR. 10.						

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
4-1	10382.8	-30.7	-127.5	246.0	-3.2	-848.3
4-10	3332.2	-24.0	38.8	100.6	-4.5	-460.1
1-1	-3253.0	-25.2	-52.3	140.5	-3.5	-1134.8

TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
4-1	si	3	Sx	86.3	0.0	5.1
4-10	si	7	Tz	-22.5	-0.2	0.0
1-1	si	5	Ty	1.6	0.0	44.7
----- PROGR. 12.						

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
4-1	8296.5	-22.6	-127.5	246.0	-3.2	-849.0
4-10	2177.7	-12.9	38.8	100.6	-4.5	-460.9
1-1	-6071.9	-16.6	-52.3	140.5	-3.5	-1135.8

TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
4-1	si	3	Sx	70.1	0.0	5.1
----- PROGR. 12.						

4-10	si	7	Tz	-13.8	-0.2	0.0	13.8	
1-1	si	5	Ty	2.3	0.0	44.7	77.4	
1-1	si	6	Si	4.8	0.0	44.7	77.6	
-----								
SOLLECI TAZI ONI : 15.								
Caso	MZ			MY	MT	N	TZ	TY
1-1	-8893.4			-8.0	-52.3	140.5	-3.5	-1136.8
4-10	1015.7			-1.8	38.8	100.6	-4.5	-461.7
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	70.8	0.0	2.1	70.9	
4-10	si	7	Tz	-5.1	-0.2	0.0	5.1	
1-1	si	5	Ty	2.9	0.0	44.7	77.5	
1-1	si	6	Si	4.1	0.0	44.7	77.6	
-----								
SOLLECI TAZI ONI : 17.								
Caso	MZ			MY	MT	N	TZ	TY
1-1	-11717.4			0.7	-52.3	140.5	-3.5	-1137.8
4-10	-158.5			9.6	38.8	100.6	-4.5	-462.5
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	91.4	0.0	2.1	91.5	
4-10	si	7	Tz	3.7	-0.2	0.0	3.7	
1-1	si	5	Ty	3.6	0.0	44.8	77.6	
-----								
SOLLECI TAZI ONI : 20.								
Caso	MZ			MY	MT	N	TZ	TY
1-1	-14544.0			9.3	-52.3	140.5	-3.5	-1138.9
4-10	-1356.3			20.8	38.8	100.6	-4.5	-463.2
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	113.3	0.0	2.1	113.3	
4-10	si	7	Tz	12.7	-0.2	0.0	12.7	
1-1	si	5	Ty	4.2	0.0	44.8	77.7	
-----								
VERIFI CA STABI LI TA` :								
Z	LO = 20.	Ro = 5.77	Im = 3.4	Ncr= 70036488.5	al fa(c)=0.4900	ki=1.0000		
Y	Lc = 20.	Ro = 0.58	Im = 34.4	Ncr= 700364.9	al fa(c)=0.4900	ki=0.8704		
Caso 5-14 - Nodo 1 - Asse Y								
Ned =	-0.7	Mzeq =	7890.8	Myeq =	-6.5	Ss =	-59.7 ( 0.018)	
-----								
RETTANGOLARE_S003 ( 3) stato limite ultimo - ASTA ( 168- 169) 183								
-----								
SOLLECI TAZI ONI : 2.								
Caso	MZ			MY	MT	N	TZ	TY
1-1	-14735.2			9.3	219.4	161.7	-1.0	-1219.0
4-7	1839.5			-20.8	-154.9	127.5	-5.7	-811.3
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	115.3	0.0	8.8	116.3	
4-7	si	7	Tz	-10.6	-0.2	0.0	10.6	
1-1	si	5	Ty	4.7	0.0	54.5	94.5	
-----								
SOLLECI TAZI ONI : 5.								
Caso	MZ			MY	MT	N	TZ	TY
1-1	-17763.3			11.8	219.4	161.7	-1.0	-1220.0
4-7	-69.6			-6.6	-154.9	127.5	-5.7	-812.0
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	138.2	0.0	8.8	139.0	
4-7	si	7	Tz	3.7	-0.2	0.0	3.7	
1-1	si	5	Ty	4.9	0.0	54.6	94.6	
-----								
SOLLECI TAZI ONI : 7.								
Caso	MZ			MY	MT	N	TZ	TY
1-1	-20793.9			14.3	219.4	161.7	-1.0	-1221.1
4-7	-1838.8			7.6	-154.9	127.5	-5.7	-812.8
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	161.1	0.0	8.8	161.8	
4-7	si	7	Tz	17.0	-0.2	0.0	17.0	
1-1	si	5	Ty	5.1	0.0	54.6	94.7	
-----								
SOLLECI TAZI ONI : 10.								
Caso	MZ			MY	MT	N	TZ	TY
1-1	-23827.1			16.8	219.4	161.7	-1.0	-1222.1
4-7	-2898.1			21.9	-154.9	127.5	-5.7	-813.6
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	184.0	0.0	8.8	184.6	
4-7	si	7	Tz	24.9	-0.2	0.0	24.9	
1-1	si	5	Ty	5.3	0.0	54.6	94.8	
-----								
SOLLECI TAZI ONI : 12.								
Caso	MZ			MY	MT	N	TZ	TY
1-1	-26862.7			19.2	219.4	161.7	-1.0	-1223.1
4-7	-6429.9			36.1	-154.9	127.5	-5.7	-814.4
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	207.0	0.0	8.8	207.5	
4-7	si	7	Tz	51.4	-0.2	0.0	51.4	
1-1	si	5	Ty	5.5	0.0	54.7	94.9	
-----								
SOLLECI TAZI ONI : 15.								
Caso	MZ			MY	MT	N	TZ	TY
1-1	-29900.9			21.7	219.4	161.7	-1.0	-1224.1
4-7	-8417.8			50.3	-154.9	127.5	-5.7	-815.2
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	229.9	0.0	8.8	230.4	
4-7	si	7	Tz	66.3	-0.2	0.0	66.3	
1-1	si	5	Ty	5.7	0.0	54.7	94.9	
-----								
SOLLECI TAZI ONI : 15.								
Caso	MZ			MY	MT	N	TZ	TY
1-1	-32941.5			24.2	219.4	161.7	-1.0	-1225.1
4-7	-10436.4			64.5	-154.9	127.5	-5.7	-815.9
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	252.9	0.0	8.8	253.4	
4-7	si	7	Tz	81.5	-0.2	0.0	81.5	

1-1 | si | 5 | Ty | 5.9 | 0.0 | 54.7 | 95.0 |  
-----  
PROGR. 17.

SOLLECCI TAZI ONI :

Caso	Ve	No	MZ	MY	MT	N	TZ	TY
1-1			-35984.7	26.7	219.4	161.7	-1.0	-1226.1
4-7			-12464.5	78.7	-154.9	127.5	-5.7	-816.7

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	1	Sx	275.9	0.0	8.8	276.4
4-7	si	7	Tz	96.7	-0.2	0.0	96.7
1-1	si	5	Ty	6.0	0.0	54.8	95.1

SOLLECCI TAZI ONI :

Caso	Ve	No	MZ	MY	MT	N	TZ	TY
1-1			-39030.4	29.2	219.4	161.7	-1.0	-1227.1
4-7			-14495.8	92.9	-154.9	127.5	-5.7	-817.5

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	1	Sx	299.0	0.0	8.8	299.4
4-7	si	7	Tz	111.9	-0.2	0.0	111.9
1-1	si	5	Ty	6.2	0.0	54.8	95.2

VERI F I CA STABI LI TA` :

Z LO = 20. Lc = 20. Ro = 5.77 | Im = 3.4 | Ncr = 70036488.5 | al fa(c) = 0.4900 | ki = 1.0000  
 Y Lc = 20. Ro = 0.58 | Im = 34.4 | Ncr = 700364.9 | al fa(c) = 0.4900 | ki = 0.8704  
 Caso 5-16 - Nodo 3 - Asse Y  
 Ned = -4.8 | Mzeq = -9148.9 | Myeq = 25.0 | Ss = -70.6 ( 0.021)

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 169- 7 ) 184  
-----  
PROGR. 0.

SOLLECCI TAZI ONI :

Caso	Ve	No	MZ	MY	MT	N	TZ	TY
1-1			-39249.9	29.2	369.3	201.3	7.5	-1284.5
4-7			-14659.5	92.9	-61.9	196.9	21.3	-840.6

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	1	Sx	301.6	0.0	14.8	302.7
4-7	si	7	Tz	114.9	0.8	0.0	114.9
1-1	si	5	Ty	7.2	0.0	63.0	109.3

SOLLECCI TAZI ONI :

Caso	Ve	No	MZ	MY	MT	N	TZ	TY
1-1			-42440.5	10.6	369.3	201.3	7.5	-1285.5
4-7			-16750.8	40.0	-61.9	196.9	21.3	-841.4

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	1	Sx	324.1	0.0	14.8	325.1
4-7	si	7	Tz	130.6	0.8	0.0	130.6
1-1	si	5	Ty	5.8	0.0	63.0	109.3

SOLLECCI TAZI ONI :

Caso	Ve	No	MZ	MY	MT	N	TZ	TY
1-1			-45633.6	-8.0	369.3	201.3	7.5	-1286.5
4-7			-18843.1	-12.6	-61.9	196.9	21.3	-842.2

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	347.9	0.0	14.8	348.8
4-7	si	7	Tz	146.2	0.8	0.0	146.3
1-1	si	5	Ty	4.4	0.0	63.1	109.3

SOLLECCI TAZI ONI :

Caso	Ve	No	MZ	MY	MT	N	TZ	TY
1-1			-48829.2	-26.6	369.3	201.3	7.5	-1287.5
4-7			-20936.6	-66.7	-61.9	196.9	21.3	-842.9

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	373.2	0.0	14.8	374.1
4-7	si	7	Tz	161.9	0.8	0.0	162.0
1-1	si	5	Ty	3.0	0.0	63.1	109.3

SOLLECCI TAZI ONI :

Caso	Ve	No	MZ	MY	MT	N	TZ	TY
1-1			-52027.3	-45.2	369.3	201.3	7.5	-1288.5
4-7			-23031.6	-119.5	-61.9	196.9	21.3	-843.7

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	398.6	0.0	14.8	399.5
4-7	si	7	Tz	177.7	0.8	0.0	177.7
1-1	si	5	Ty	1.6	0.0	63.1	109.4

SOLLECCI TAZI ONI :

Caso	Ve	No	MZ	MY	MT	N	TZ	TY
1-1			-55227.9	-63.8	369.3	201.3	7.5	-1289.5
4-7			-25128.1	-172.4	-61.9	196.9	21.3	-844.5

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	424.0	0.0	14.8	424.8
4-7	si	7	Tz	193.4	0.8	0.0	193.4
1-1	si	5	Ty	0.2	0.0	63.2	109.4

SOLLECCI TAZI ONI :

Caso	Ve	No	MZ	MY	MT	N	TZ	TY
1-1			-58431.0	-82.4	369.3	201.3	7.5	-1290.5
4-7			-27226.3	-225.4	-61.9	196.9	21.3	-845.3

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	449.4	0.0	14.8	450.2
4-7	si	7	Tz	209.1	0.8	0.0	209.1
1-1	si	5	Ty	-1.1	0.0	63.2	109.5

SOLLECCI TAZI ONI :

Caso	Ve	No	MZ	MY	MT	N	TZ	TY
1-1			-61636.7	-101.0	369.3	201.3	7.5	-1291.5
4-7			-29326.3	-278.4	-61.9	196.9	21.3	-846.1

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	474.9	0.0	14.8	475.6
4-7	si	7	Tz	224.9	0.8	0.0	224.9
1-1	si	5	Ty	-2.5	0.0	63.3	109.6

SOLLECCI TAZI ONI :



Caso		MZ	MY	MT	N	TZ	TY
1- 1		-64844.9	-119.6	369.3	201.3	7.5	-1292.6
4- 7		-31428.1	-331.3	-61.9	196.9	21.3	-846.8
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	500.3	0.0	14.8	501.0
4- 7	si	7	Tz	240.6	0.8	0.0	240.6
1- 1	si	5	Ty	-3.9	0.0	63.3	109.7

VERIFI CA STABI LI TA` :

Z | LO = 20. | Ro = 5.77 | Im = 3.4 | Ncr= 70036488.5 | al fa(c )=0.4900 | ki=1.0000  
 Y | Lc = 20. | Ro = 0.58 | Im = 34.4 | Ncr= 700364.9 | al fa(c )=0.4900 | ki=0.8704  
 Caso 4-14 - Nodo 4 - Asse Y  
 Ned = -3.7 | Mzeq = -19611.3 | Myeq = -24.0 | Ss = -149.0 ( 0.044)

RETTANGOLARE\_S003 ( 3) stato li mi te ul ti mo - ASTA ( 57- 147) 185  
 0. PROGR.

Caso		MZ	MY	MT	N	TZ	TY
1- 1		-12961.8	100.6	2356.5	57.1	10.3	-104.8
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	106.2	0.0	94.6	195.2
1- 1	si	7	Tz	98.6	0.4	0.0	98.6
1- 1	si	5	Ty	9.0	0.0	98.5	170.9

Caso		MZ	MY	MT	N	TZ	TY
1- 1		-13116.5	85.5	2356.5	57.1	10.3	-106.7
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	106.2	0.0	94.6	195.2
1- 1	si	7	Tz	99.8	0.4	0.0	99.8
1- 1	si	5	Ty	7.8	0.0	98.6	170.9

Caso		MZ	MY	MT	N	TZ	TY
1- 1		-13273.9	70.5	2356.5	57.1	10.3	-108.6
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	106.3	0.0	94.6	195.3
1- 1	si	7	Tz	101.0	0.4	0.0	101.0
1- 1	si	5	Ty	6.7	0.0	98.6	171.0

Caso		MZ	MY	MT	N	TZ	TY
1- 1		-13434.1	55.5	2356.5	57.1	10.3	-110.5
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	106.3	0.0	94.6	195.3
1- 1	si	7	Tz	102.2	0.4	0.0	102.2
1- 1	si	5	Ty	5.6	0.0	98.7	171.1

Caso		MZ	MY	MT	N	TZ	TY
1- 1		-13597.1	40.5	2356.5	57.1	10.3	-112.4
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	106.4	0.0	94.6	195.4
1- 1	si	7	Tz	103.4	0.4	0.0	103.4
1- 1	si	5	Ty	4.5	0.0	98.8	171.2

Caso		MZ	MY	MT	N	TZ	TY
1- 1		-13762.9	25.4	2356.5	57.1	10.3	-114.3
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	106.6	0.0	94.6	195.4
1- 1	si	7	Tz	104.6	0.4	0.0	104.7
1- 1	si	5	Ty	3.3	0.0	98.9	171.3

Caso		MZ	MY	MT	N	TZ	TY
1- 1		-13931.5	10.4	2356.5	57.1	10.3	-116.2
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	106.7	0.0	94.6	195.5
1- 1	si	7	Tz	105.9	0.4	0.0	105.9
1- 1	si	5	Ty	2.2	0.0	98.9	171.4

Caso		MZ	MY	MT	N	TZ	TY
1- 1		-14102.9	-4.6	2356.5	57.1	10.3	-118.2
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	107.5	0.0	94.6	196.0
1- 1	si	7	Tz	107.2	0.4	0.0	107.2
1- 1	si	5	Ty	1.1	0.0	99.0	171.5

Caso		MZ	MY	MT	N	TZ	TY
1- 1		-14277.1	-19.6	2356.5	57.1	10.3	-120.1
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	110.0	0.0	94.6	197.3
1- 1	si	7	Tz	108.5	0.4	0.0	108.5
1- 1	si	5	Ty	0.0	0.0	99.1	171.6

VERIFI CA STABI LI TA` :

Z | LO = 12. | Ro = 5.77 | Im = 2.0 | Ncr=201876633.2 | al fa(c )=0.4900 | ki=1.0000  
 Y | Lc = 12. | Ro = 0.58 | Im = 20.3 | Ncr= 2018766.3 | al fa(c )=0.4900 | ki=0.9668  
 Caso 4-11 - Nodo 3 - Asse Y  
 Ned = -17.0 | Mzeq = -4952.3 | Myeq = 24.3 | Ss = -39.4 ( 0.012)

RETTANGOLARE\_S003 ( 3) stato li mi te ul ti mo - ASTA ( 147- 153) 186  
 0. PROGR.

Caso		MZ	MY	MT	N	TZ	TY
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TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	1	Sx	150.0	0.0	24.9	156.0		
4-5	si	7	Tz	91.6	0.0	0.0	91.6		
1-1	si	5	Ty	1.8	0.0	36.3	62.9		
----- PROGR. 8.									
SOLLECCI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
1-1	-20576.3			-0.2	620.6	70.0	0.5	-307.0	
4-5	-12003.4			-2.3	547.0	182.2	1.0	-142.1	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	2	Sx	156.1	0.0	24.9	161.9		
4-5	si	7	Tz	94.6	0.0	0.0	94.6		
1-1	si	5	Ty	1.7	0.0	36.4	63.1		
----- PROGR. 11.									
SOLLECCI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
1-1	-21413.9			-1.7	620.6	70.0	0.5	-310.6	
4-5	-12402.8			-4.9	547.0	182.2	1.0	-144.5	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	2	Sx	162.5	0.0	24.9	168.1		
4-5	si	7	Tz	97.6	0.0	0.0	97.6		
1-1	si	5	Ty	1.6	0.0	36.6	63.3		
----- PROGR. 14.									
SOLLECCI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
1-1	-22261.2			-3.1	620.6	70.0	0.5	-314.1	
4-5	-12808.5			-7.5	547.0	182.2	1.0	-147.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	2	Sx	168.9	0.0	24.9	174.4		
4-5	si	7	Tz	100.6	0.0	0.0	100.6		
1-1	si	5	Ty	1.5	0.0	36.7	63.6		
----- PROGR. 16.									
SOLLECCI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
1-1	-23118.1			-4.6	620.6	70.0	0.5	-317.7	
4-5	-13220.5			-10.1	547.0	182.2	1.0	-149.5	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	2	Sx	175.5	0.0	24.9	180.7		
4-5	si	7	Tz	103.7	0.0	0.0	103.7		
1-1	si	5	Ty	1.4	0.0	36.8	63.8		
----- PROGR. 19.									
SOLLECCI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
1-1	-23984.6			-6.0	620.6	70.0	0.5	-321.2	
4-5	-13638.8			-12.7	547.0	182.2	1.0	-152.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	2	Sx	182.1	0.0	24.9	187.1		
4-5	si	7	Tz	106.8	0.0	0.0	106.8		
1-1	si	5	Ty	1.3	0.0	37.0	64.0		
----- PROGR. 22.									
SOLLECCI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
1-1	-24860.8			-7.5	620.6	70.0	0.5	-324.8	
4-5	-14063.6			-15.3	547.0	182.2	1.0	-154.4	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	2	Sx	188.8	0.0	24.9	193.6		
4-5	si	7	Tz	110.0	0.0	0.0	110.0		
1-1	si	5	Ty	1.2	0.0	37.1	64.2		
----- PROGR. 25.									
VERIFICAZIONE STABILITÀ :									
Z	LO = 22.	Ro = 5.77	Im = 3.8	Ncr = 58686513.4	al fa(c) = 0.4900	ki = 1.0000			
Y	Lc = 22.	Ro = 0.58	Im = 37.6	Ncr = 586865.1	al fa(c) = 0.4900	ki = 0.8475			
Caso 5-4 -	Nodo 4 -	Asse Y							
Ned =	-20.6	Mzeq = -10852.8	Myeq = -6.3	Ss = -82.5	( 0.024)				
----- PROGR. 30.									
RETTANGOLARE_S003 ( 3) stato limite ultimo - ASTA ( 159- 165) 188									
SOLLECCI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
1-1	-24889.2			-7.5	107.5	91.6	-1.1	-420.0	
4-7	-15617.9			-14.2	347.8	350.4	-3.3	-204.6	
4-8	-15563.1			-13.5	367.5	345.0	-3.2	-207.4	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	2	Sx	189.5	0.0	4.3	189.7		
4-7	si	7	Tz	125.9	-0.1	0.0	125.9		
4-8	si	5	Ty	7.6	0.0	22.5	39.8		
----- PROGR. 3.									
SOLLECCI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
1-1	-26033.3			-4.4	107.5	91.6	-1.1	-423.6	
4-7	-16183.0			-5.5	347.8	350.4	-3.3	-207.1	
4-8	-16135.7			-5.3	367.5	345.0	-3.2	-209.9	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	2	Sx	197.9	0.0	4.3	198.0		
4-7	si	7	Tz	130.1	-0.1	0.0	130.1		
4-8	si	5	Ty	8.2	0.0	22.6	40.0		
----- PROGR. 5.									
SOLLECCI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
1-1	-27187.0			-1.3	107.5	91.6	-1.1	-427.1	
4-7	-16754.5			3.2	347.8	350.4	-3.3	-209.6	
4-8	-16714.7			3.0	367.5	345.0	-3.2	-212.3	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	2	Sx	206.3	0.0	4.3	206.4		
4-7	si	7	Tz	134.4	-0.1	0.0	134.4		
4-8	si	5	Ty	8.9	0.0	22.7	40.3		
----- PROGR. 8.									
SOLLECCI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
1-1	-28350.3			1.7	107.5	91.6	-1.1	-430.7	
4-7	-17332.4			12.1	347.8	350.4	-3.3	-212.1	

4- 8	-17300.0		11.5	367.5	345.0	-3.2	-214.8
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	215.0	0.0	4.3	215.2
4- 7	si	7	Tz	138.8	-0.1	0.0	138.8
4- 8	si	5	Ty	9.5	0.0	22.8	40.6

PROGR.

11.

SOLLECI TAZI ONI :							
Caso	MZ		MY	MT	N	TZ	TY
1- 1	-29523.3		4.8	107.5	91.6	-1.1	-434.2
4- 7	-17916.7		21.1	347.8	350.4	-3.3	-214.6
4- 8	-17891.7		20.1	367.5	345.0	-3.2	-217.3

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	224.1	0.0	4.3	224.2
4- 7	si	7	Tz	143.1	-0.1	0.0	143.1
4- 8	si	5	Ty	10.1	0.0	22.9	40.9

PROGR.

14.

SOLLECI TAZI ONI :							
Caso	MZ		MY	MT	N	TZ	TY
1- 1	-30705.9		7.9	107.5	91.6	-1.1	-437.8
4- 7	-18507.5		30.2	347.8	350.4	-3.3	-217.0
4- 8	-18489.8		28.7	367.5	345.0	-3.2	-219.8

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	233.2	0.0	4.3	233.3
4- 7	si	7	Tz	147.6	-0.1	0.0	147.6
4- 8	si	5	Ty	10.8	0.0	23.0	41.3

PROGR.

16.

SOLLECI TAZI ONI :							
Caso	MZ		MY	MT	N	TZ	TY
1- 1	-31898.1		10.9	107.5	91.6	-1.1	-441.3
4- 7	-19104.6		39.2	347.8	350.4	-3.3	-219.5
4- 8	-19094.4		37.4	367.5	345.0	-3.2	-222.3

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	242.3	0.0	4.3	242.5
4- 7	si	7	Tz	152.0	-0.1	0.0	152.0
4- 8	si	5	Ty	11.4	0.0	23.1	41.6

PROGR.

19.

SOLLECI TAZI ONI :							
Caso	MZ		MY	MT	N	TZ	TY
1- 1	-33100.0		14.0	107.5	91.6	-1.1	-444.8
4- 7	-19708.2		48.3	347.8	350.4	-3.3	-222.0
4- 8	-19705.4		46.0	367.5	345.0	-3.2	-224.7

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	251.6	0.0	4.3	251.7
4- 7	si	7	Tz	156.6	-0.1	0.0	156.6
4- 8	si	5	Ty	12.1	0.0	23.2	41.9

PROGR.

22.

SOLLECI TAZI ONI :							
Caso	MZ		MY	MT	N	TZ	TY
1- 1	-34311.4		17.0	107.5	91.6	-1.1	-448.4
4- 7	-20318.2		57.4	347.8	350.4	-3.3	-224.5
4- 8	-20322.9		54.7	367.5	345.0	-3.2	-227.2

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	260.9	0.0	4.3	261.0
4- 7	si	7	Tz	161.1	-0.1	0.0	161.1
4- 8	si	5	Ty	12.7	0.0	23.3	42.3

VERIFI CA STABI LI TA` :

Z | LO = 22. | Ro = 5.77 | Im = 3.8 | Ncr= 58686513.4 | al fa(c) = 0.4900 | ki = 1.0000  
 Y | Lc = 22. | Ro = 0.58 | Im = 37.6 | Ncr= 586865.1 | al fa(c) = 0.4900 | ki = 0.8475

Caso 4-12 - Nodo 4 - Asse Y  
 Ned = -121.4 | Mzeq = -15649.7 | Myeq = -5.4 | Ss = -121.4 ( 0.036)

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 165- 7 ) 189  
 0.

SOLLECI TAZI ONI :							
Caso	MZ		MY	MT	N	TZ	TY
1- 1	-34377.3		17.0	-268.9	126.1	4.5	-526.5
4- 5	-18761.4		54.6	99.0	377.8	13.5	-256.1

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	262.3	0.0	10.8	262.9
4- 5	si	7	Tz	150.2	0.5	0.0	150.2
1- 1	si	5	Ty	4.4	0.0	30.5	53.1

PROGR.

3.

SOLLECI TAZI ONI :							
Caso	MZ		MY	MT	N	TZ	TY
1- 1	-35810.3		4.8	-268.9	126.1	4.5	-530.1
4- 5	-19468.9		19.6	99.0	377.8	13.5	-258.6

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	272.1	0.0	10.8	272.7
4- 5	si	7	Tz	155.5	0.5	0.0	155.5
1- 1	si	5	Ty	3.5	0.0	30.7	53.2

PROGR.

5.

SOLLECI TAZI ONI :							
Caso	MZ		MY	MT	N	TZ	TY
1- 1	-37253.0		-7.5	-268.9	126.1	4.5	-533.6
4- 5	-20182.8		-16.2	99.0	377.8	13.5	-261.1

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	283.1	0.0	10.8	283.7
4- 5	si	7	Tz	160.8	0.5	0.0	160.8
1- 1	si	5	Ty	2.6	0.0	30.8	53.4

PROGR.

8.

SOLLECI TAZI ONI :							
Caso	MZ		MY	MT	N	TZ	TY
1- 1	-38705.3		-19.8	-268.9	126.1	4.5	-537.2
4- 5	-20903.1		-52.9	99.0	377.8	13.5	-263.6

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	294.9	0.0	10.8	295.5
4- 5	si	7	Tz	166.2	0.5	0.0	166.2
1- 1	si	5	Ty	1.7	0.0	30.9	53.6

PROGR.

11.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY	
1- 1	-40167.2	-32.1	-268.9	126.1	4.5	-540.7	
4- 5	-21629.8	-89.6	99.0	377.8	13.5	-266.1	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	306.8	0.0	10.8	307.4
4- 5	si	7	Tz	171.7	0.5	0.0	171.7
1- 1	si	5	Ty	0.7	0.0	31.1	53.8
----- PROGR.							14.
SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	-41638.7	-44.3	-268.9	126.1	4.5	-544.3	
4- 5	-22362.9	-126.3	99.0	377.8	13.5	-268.5	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	318.8	0.0	10.8	319.3
4- 5	si	7	Tz	177.2	0.5	0.0	177.2
1- 1	si	5	Ty	-0.2	0.0	31.2	54.0
----- PROGR.							16.
SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	-43119.9	-56.6	-268.9	126.1	4.5	-547.8	
4- 5	-23102.5	-163.0	99.0	377.8	13.5	-271.0	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	330.8	0.0	10.8	331.3
4- 5	si	7	Tz	182.7	0.5	0.0	182.7
1- 1	si	5	Ty	-1.1	0.0	31.3	54.3
----- PROGR.							19.
SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	-44610.7	-68.9	-268.9	126.1	4.5	-551.4	
4- 5	-23848.5	-199.7	99.0	377.8	13.5	-273.5	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	342.9	0.0	10.8	343.4
4- 5	si	7	Tz	188.3	0.5	0.0	188.3
1- 1	si	5	Ty	-2.0	0.0	31.5	54.5
----- PROGR.							22.
SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	-46111.1	-81.2	-268.9	126.1	4.5	-554.9	
4- 5	-24600.9	-236.4	99.0	377.8	13.5	-276.0	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	355.1	0.0	10.8	355.6
4- 5	si	7	Tz	194.0	0.5	0.0	194.0
1- 1	si	5	Ty	-2.9	0.0	31.6	54.8
----- PROGR.							
VERIFI CA STABI LI TA` :							
Z	LO = 22.	Ro = 5.77	Im = 3.8	Ncr= 58686513.4	al fa(c)=0.4900	ki=1.0000	
Y	Lc = 22.	Ro = 0.58	Im = 37.6	Ncr= 586865.1	al fa(c)=0.4900	ki=0.8475	
Caso 4-12 - Nodo 3 - Asse Y							
Ned = -178.3   Mzeq = -22013.3   Myeq = 25.5   Ss = -172.3 ( 0.051)							
RETTANGOLARE_S003 ( 3) stato limite ultimo - ASTA ( 3- 138) 190							
----- PROGR.							0.
SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
4-10	-9729.4	-888.4	150.4	-175.9	-55.9	157.6	
4- 2	-8219.6	-939.0	-68.0	31.6	-59.1	144.5	
4- 5	1728.8	70.8	-244.6	300.8	4.5	62.5	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-10	si	4	Sx	-144.0	0.0	6.0	144.4
4- 2	si	7	Tz	62.4	-2.2	0.0	62.6
4- 5	si	5	Ty	12.8	0.0	-12.2	24.7
----- PROGR.							2.
SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
4-10	-9348.9	-749.8	150.4	-175.9	-55.9	155.4	
4- 2	-7860.3	-792.4	-68.0	31.6	-59.1	142.2	
4- 5	1884.4	59.6	-244.6	300.8	4.5	60.2	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-10	si	4	Sx	-130.7	0.0	6.0	131.2
4- 2	si	7	Tz	59.7	-2.2	0.0	59.9
4- 5	si	5	Ty	12.0	0.0	-12.1	24.1
----- PROGR.							5.
SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
4-10	-8974.3	-611.1	150.4	-175.9	-55.9	153.1	
4- 2	-7506.7	-645.7	-68.0	31.6	-59.1	139.9	
4- 5	2034.4	48.5	-244.6	300.8	4.5	57.9	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-10	si	4	Sx	-117.5	0.0	6.0	118.0
4- 2	si	7	Tz	57.1	-2.2	0.0	57.2
4- 5	si	5	Ty	11.2	0.0	-12.0	23.6
----- PROGR.							7.
SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
4-10	-8605.7	-472.4	150.4	-175.9	-55.9	150.8	
4- 2	-7158.5	-499.1	-68.0	31.6	-59.1	137.7	
4- 5	2178.9	37.3	-244.6	300.8	4.5	55.7	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-10	si	4	Sx	-104.4	0.0	6.0	104.9
4- 2	si	7	Tz	54.5	-2.2	0.0	54.6
4- 5	si	5	Ty	10.3	0.0	-11.9	23.1
----- PROGR.							10.
SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
4-10	-8243.1	-333.7	150.4	-175.9	-55.9	148.5	
4- 2	-6815.9	-352.4	-68.0	31.6	-59.1	135.4	
4- 5	2317.9	26.2	-244.6	300.8	4.5	53.4	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-10	si	4	Sx	-91.2	0.0	6.0	91.8
4- 2	si	7	Tz	51.9	-2.2	0.0	52.1
4- 5	si	5	Ty	9.5	0.0	-11.8	22.6

----- PROGR. 12.

SOLLECI TAZI ONI		MZ	MY	MT	N	TZ	TY
Caso							
4-10		-7886.6	-195.0	150.4	-175.9	-55.9	146.3
4-2		-6478.9	-205.8	-68.0	31.6	-59.1	133.1
4-5		2451.3	15.0	-244.6	300.8	4.5	51.1

TENSIONI (Sz= 0.00)		Sx	Tz	Ty	Si
Caso	Ve No massi mi				
4-10	si 4 Sx Si	-78.2	0.0	6.0	78.9
4-2	si 7 Tz	49.4	-2.2	0.0	49.5
4-5	si 5 Ty	8.6	0.0	-11.7	22.1

----- PROGR. 15.

SOLLECI TAZI ONI		MZ	MY	MT	N	TZ	TY
Caso							
4-10		-7536.0	-59.1	150.4	-175.9	-55.9	144.0
4-2		-6147.4	-56.3	-68.0	31.6	-59.1	130.9
4-5		2579.2	6.6	-244.6	300.8	4.5	48.8

TENSIONI (Sz= 0.00)		Sx	Tz	Ty	Si
Caso	Ve No massi mi				
4-10	si 4 Sx Si	-65.4	0.0	6.0	66.2
4-2	si 7 Tz	46.9	-2.2	0.0	47.1
4-5	si 5 Ty	8.0	0.0	-11.6	21.7

----- PROGR. 17.

SOLLECI TAZI ONI		MZ	MY	MT	N	TZ	TY
Caso							
4-10		-7191.6	82.4	150.4	-175.9	-55.9	141.7
4-2		-5821.4	87.6	-68.0	31.6	-59.1	128.6
4-5		2701.5	-7.3	-244.6	300.8	4.5	46.6

TENSIONI (Sz= 0.00)		Sx	Tz	Ty	Si
Caso	Ve No massi mi				
4-10	si 3 Sx Si	-64.5	0.0	6.0	65.4
4-2	si 7 Tz	44.4	-2.2	0.0	44.6
4-5	si 5 Ty	7.0	0.0	-11.6	21.2

----- PROGR. 20.

SOLLECI TAZI ONI		MZ	MY	MT	N	TZ	TY
Caso							
4-10		-6853.2	221.0	150.4	-175.9	-55.9	139.5
4-2		-5501.1	234.2	-68.0	31.6	-59.1	126.3
4-5		2818.2	-18.4	-244.6	300.8	4.5	44.3

TENSIONI (Sz= 0.00)		Sx	Tz	Ty	Si
Caso	Ve No massi mi				
4-10	si 3 Sx Si	-72.4	0.0	6.0	73.1
4-2	si 7 Tz	42.0	-2.2	0.0	42.2
4-5	si 5 Ty	6.1	0.0	-11.5	20.8

## VERIFI CA STABI LI TA` :

Z	LO = 20.	Ro = 5.77	Im = 3.4	Ncr= 70036488.5	al fa(c)=0.4900	ki=1.0000
Y	Lc = 20.	Ro = 0.58	Im = 34.4	Ncr= 700364.9	al fa(c)=0.4900	ki=0.8704
Caso 4-10 - Nodo 4 - Asse Y						
Ned =	-175.9	Mzeq =	-9729.4	Myeq =	-666.3	Ss = -128.0 ( 0.038)

RETTANGOLARE\_S003 ( 3) stato limite ultimo - ASTA ( 138- 141) 191  
0.

----- PROGR. 2.

SOLLECI TAZI ONI		MZ	MY	MT	N	TZ	TY
Caso							
4-10		-6842.5	221.0	79.9	-128.2	14.1	111.6
4-2		-5484.6	234.2	-179.5	10.1	14.9	98.4
4-8		4235.2	-48.1	-460.4	264.2	-3.1	-10.6

TENSIONI (Sz= 0.00)		Sx	Tz	Ty	Si
Caso	Ve No massi mi				
4-10	si 3 Sx Si	-71.1	0.0	3.2	71.3
4-2	si 7 Tz	41.4	0.6	0.0	41.4
4-8	si 5 Ty	3.0	0.0	18.9	32.8

----- PROGR. 5.

SOLLECI TAZI ONI		MZ	MY	MT	N	TZ	TY
Caso							
4-10		-6579.8	186.1	79.9	-128.2	14.1	109.3
4-2		-5239.0	197.3	-179.5	10.1	14.9	96.1
4-8		4217.8	-40.5	-460.4	264.2	-3.1	-12.8

TENSIONI (Sz= 0.00)		Sx	Tz	Ty	Si
Caso	Ve No massi mi				
4-10	si 3 Sx Si	-66.5	0.0	3.2	66.7
4-2	si 7 Tz	39.5	0.6	0.0	39.6
4-8	si 5 Ty	3.6	0.0	19.0	33.0

----- PROGR. 7.

SOLLECI TAZI ONI		MZ	MY	MT	N	TZ	TY
Caso							
4-10		-6323.4	151.2	79.9	-128.2	14.1	107.0
4-2		-4999.0	160.3	-179.5	10.1	14.9	93.9
4-8		4195.3	-33.0	-460.4	264.2	-3.1	-15.1

TENSIONI (Sz= 0.00)		Sx	Tz	Ty	Si
Caso	Ve No massi mi				
4-10	si 3 Sx Si	-62.0	0.0	3.2	62.2
4-2	si 7 Tz	37.7	0.6	0.0	37.8
4-8	si 5 Ty	4.1	0.0	19.0	33.2

----- PROGR. 10.

SOLLECI TAZI ONI		MZ	MY	MT	N	TZ	TY
Caso							
4-10		-6073.1	116.2	79.9	-128.2	14.1	104.8
4-2		-4764.5	123.3	-179.5	10.1	14.9	91.6
4-8		4167.7	-25.4	-460.4	264.2	-3.1	-17.4

TENSIONI (Sz= 0.00)		Sx	Tz	Ty	Si
Caso	Ve No massi mi				
4-10	si 3 Sx Si	-57.5	0.0	3.2	57.7
4-2	si 7 Tz	36.0	0.6	0.0	36.0
4-8	si 5 Ty	4.7	0.0	19.1	33.5

----- PROGR. 12.

SOLLECI TAZI ONI		MZ	MY	MT	N	TZ	TY
Caso							
4-10		-5829.0	81.3	79.9	-128.2	14.1	102.5
4-2		-4535.6	86.4	-179.5	10.1	14.9	89.3
4-8		4135.0	-17.8	-460.4	264.2	-3.1	-19.6
4-7		4653.9	-17.8	-462.6	259.1	-3.1	-12.2

TENSIONI (Sz= 0.00)		Sx	Tz	Ty	Si
Caso	Ve No massi mi				
4-10	si 3 Sx Si	-53.0	0.0	3.2	53.3
4-2	si 7 Tz	34.3	0.6	0.0	34.3
4-8	si 5 Ty	5.3	0.0	19.2	33.7
4-7	si 3 Si	42.7	0.0	18.6	53.5

SOLLECI TAZI ONI :  
----- PROGR. 12.

Caso	MZ	MY	MT	N	TZ	TY
4-10	-5591.2	46.4	79.9	-128.2	14.1	100.2
4-2	-4312.4	49.4	-179.5	10.1	14.9	87.0
4-8	4097.3	-10.2	-460.4	264.2	-3.1	-21.9
4-7	4634.7	-10.2	-462.6	259.1	-3.1	-14.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-10	si	3	Sx	-48.6	0.0	3.2	48.9
4-2	si	7	Tz	32.6	0.6	0.0	32.6
4-8	si	5	Ty	5.8	0.0	19.3	33.9
4-7	si	3	Si	42.0	0.0	18.6	52.9

----- PROGR. 15.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-10	-5359.7	11.4	79.9	-128.2	14.1	98.0
4-2	-4094.7	12.5	-179.5	10.1	14.9	84.8
4-8	4054.7	-2.6	-460.4	264.2	-3.1	-24.2
4-7	4610.7	-2.6	-462.6	259.1	-3.1	-16.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-10	si	3	Sx	-44.3	0.0	3.2	44.6
4-2	si	7	Tz	31.0	0.6	0.0	31.0
4-8	si	5	Ty	6.4	0.0	19.4	34.2
4-7	si	3	Si	41.3	0.0	18.6	52.3

----- PROGR. 17.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-10	-5134.5	-24.5	79.9	-128.2	14.1	95.7
4-2	-3882.6	-23.5	-179.5	10.1	14.9	82.5
4-8	4007.1	6.0	-460.4	264.2	-3.1	-26.4
4-7	4581.6	6.0	-462.6	259.1	-3.1	-19.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-10	si	4	Sx	-43.6	0.0	3.2	43.9
4-2	si	7	Tz	29.4	0.6	0.0	29.4
4-8	si	5	Ty	7.1	0.0	19.5	34.5
4-7	si	4	Si	41.3	0.0	18.6	52.3

----- PROGR. 20.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-10	-4915.7	-58.4	79.9	-128.2	14.1	93.4
4-2	-3676.2	-61.5	-179.5	10.1	14.9	80.2
4-8	3954.6	12.5	-460.4	264.2	-3.1	-28.7
4-7	4547.7	12.6	-462.6	259.1	-3.1	-21.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-10	si	4	Sx	-44.5	0.0	3.2	44.8
4-2	si	7	Tz	27.8	0.6	0.0	27.8
4-8	si	5	Ty	7.5	0.0	19.6	34.7
4-7	si	4	Si	41.5	0.0	18.6	52.5

VERIFICA STABILITA` :

Z | LO = 20. | Ro = 5.77 | Im = 3.4 | Ncr= 70036488.5 | al fa(c)=0.4900 | ki=1.0000  
 Y | Lc = 20. | Ro = 0.58 | Im = 34.4 | Ncr= 700364.9 | al fa(c)=0.4900 | ki=0.8704  
 Caso 4-10 - Nodo 3 - Asse Y  
 Ned = -128.2 | Mzeq = -6842.5 | Myeq = 165.8 | Ss = -67.4 ( 0.020)

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 141- 143 ) 192  
 0. ----- PROGR.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-10	-4919.3	-58.4	-84.1	-88.0	-3.8	53.4
4-8	3906.7	12.5	-723.5	182.0	1.0	-68.0
4-7	4500.1	12.6	-727.0	176.9	1.0	-60.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-10	si	4	Sx	-43.5	0.0	3.4	43.9
4-10	si	7	Tz	34.7	-0.1	0.0	34.7
4-8	si	5	Ty	5.5	0.0	31.6	55.0
4-7	si	4	Si	39.1	0.0	29.2	63.9

----- PROGR. 2.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-10	-4807.0	-49.4	-84.1	-88.0	-3.8	51.2
4-8	3752.6	10.5	-723.5	182.0	1.0	-70.3
4-7	4364.4	10.5	-727.0	176.9	1.0	-62.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-10	si	4	Sx	-42.0	0.0	3.4	42.4
4-10	si	7	Tz	33.9	-0.1	0.0	33.9
4-8	si	5	Ty	5.3	0.0	31.7	55.1
4-7	si	4	Si	37.9	0.0	29.2	63.2

----- PROGR. 5.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-10	-4701.2	-40.4	-84.1	-88.0	-3.8	48.9
4-8	3593.7	8.4	-723.5	182.0	1.0	-72.5
4-7	4224.0	8.4	-727.0	176.9	1.0	-65.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-10	si	4	Sx	-40.5	0.0	3.4	40.9
4-10	si	7	Tz	33.1	-0.1	0.0	33.1
4-8	si	5	Ty	5.2	0.0	31.8	55.2
4-7	si	4	Si	36.7	0.0	29.2	62.5

----- PROGR. 7.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-10	-4602.0	-31.4	-84.1	-88.0	-3.8	46.6
4-8	3430.2	6.4	-723.5	182.0	1.0	-74.8
4-7	4079.0	6.3	-727.0	176.9	1.0	-67.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-10	si	4	Sx	-39.1	0.0	3.4	39.5
4-10	si	7	Tz	32.3	-0.1	0.0	32.3
4-8	si	5	Ty	5.0	0.0	31.8	55.4
4-7	si	4	Si	35.5	0.0	29.2	61.8

----- PROGR. 10.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5-5	-4555.7	-18.3	-320.5	-12.8	-2.8	22.5
4-10	-3318.4	-22.4	-84.1	-88.0	-3.8	44.4

4- 8	2071.1	4.3	-723.5	182.0	1.0	-77.1
4- 7	2738.3	4.2	-727.0	176.9	1.0	-69.6
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
5- 5	si	4	Sx	-35.9	0.0	12.9
4-10	si	7	Tz	22.7	-0.1	0.0
4- 8	si	5	Ty	4.9	0.0	31.9
4- 7	si	4	Ty	25.3	0.0	29.2

PROGR. 12.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
5- 5	-4523.5	-11.2	-320.5	-12.8	-2.8	20.2
4-10	-3241.9	-13.4	-84.1	-88.0	-3.8	42.1
4- 8	1907.7	2.2	-723.5	182.0	1.0	-79.3
4- 7	2593.3	2.1	-727.0	176.9	1.0	-71.9
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
5- 5	si	4	Sx	-35.1	0.0	12.9
4-10	si	7	Tz	22.1	-0.1	0.0
4- 8	si	5	Ty	4.7	0.0	32.0
4- 7	si	4	Ty	24.0	0.0	29.2

PROGR. 15.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
5- 5	-4499.1	-4.1	-320.5	-12.8	-2.8	17.9
4-10	-3171.1	-4.4	-84.1	-88.0	-3.8	39.8
4- 8	1738.7	0.1	-723.5	182.0	1.0	-81.6
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
5- 5	si	4	Sx	-34.4	0.0	12.9
4-10	si	7	Tz	21.6	-0.1	0.0
4- 8	si	5	Ty	4.6	0.0	32.1

PROGR. 17.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
5- 5	-4482.9	3.0	-320.5	-12.8	-2.8	15.6
4-10	-3106.1	4.8	-84.1	-88.0	-3.8	37.6
4- 8	1564.3	-2.1	-723.5	182.0	1.0	-83.9
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
5- 5	si	3	Sx	-34.2	0.0	12.9
4-10	si	7	Tz	21.1	-0.1	0.0
4- 8	si	5	Ty	4.4	0.0	32.2
4- 8	si	6	Ty	4.7	0.0	32.2

PROGR. 20.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
5- 5	-4474.8	10.1	-320.5	-12.8	-2.8	13.4
4-10	-3046.9	14.0	-84.1	-88.0	-3.8	35.3
4- 8	1384.5	-4.4	-723.5	182.0	1.0	-86.2
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
5- 5	si	3	Sx	-34.6	0.0	12.9
4-10	si	7	Tz	20.7	-0.1	0.0
4- 8	si	5	Ty	4.2	0.0	32.3
4- 8	si	6	Ty	4.9	0.0	32.3

## VERIFI CA STABI LI TA` :

Z | LO = 20. | Ro = 5.77 | Im = 3.4 | Ncr= 70036488.5 | al fa(c)=0.4900 | ki=1.0000  
 Y | Lc = 20. | Ro = 0.58 | Im = 34.4 | Ncr= 700364.9 | al fa(c)=0.4900 | ki=0.8704  
 Caso 4-10 - Nodo 4 - Asse Y  
 Ned = -88.0 | Mzeq = -4919.3 | Myeq = -43.8 | Ss = -42.7 ( 0.013)

RETTANGOLARE\_S003 ( 3) stato limite ultimo - ASTA ( 143- 145) 193  
 0. PROGR.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
5- 5	-4475.6	10.1	-488.9	0.9	0.6	-25.7
1- 1	-4035.2	12.8	-1085.1	60.5	1.0	-140.3
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
5- 5	si	1	Sx	34.3	0.0	19.6
1- 1	si	7	Tz	31.8	0.0	0.0
1- 1	si	5	Ty	2.5	0.0	48.8

PROGR. 2.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-4387.7	10.3	-1085.1	60.5	1.0	-143.6
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
1- 1	si	1	Sx	35.2	0.0	43.5
1- 1	si	7	Tz	34.4	0.0	0.0
1- 1	si	5	Ty	2.3	0.0	48.9

PROGR. 5.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-4748.3	7.8	-1085.1	60.5	1.0	-146.8
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
1- 1	si	1	Sx	37.7	0.0	43.5
1- 1	si	7	Tz	37.1	0.0	0.0
1- 1	si	5	Ty	2.1	0.0	49.1

PROGR. 7.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-5116.9	5.3	-1085.1	60.5	1.0	-150.1
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
1- 1	si	1	Sx	40.3	0.0	43.5
1- 1	si	7	Tz	39.9	0.0	0.0
1- 1	si	5	Ty	1.9	0.0	49.2

PROGR. 10.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-5493.6	2.8	-1085.1	60.5	1.0	-153.3
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
1- 1	si	1	Sx	42.9	0.0	43.5
1- 1	si	7	Tz	42.7	0.0	0.0
1- 1	si	5	Ty	1.7	0.0	49.3

PROGR. 12.



SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-5878.4	0.3	-1085.1	60.5	1.0	-156.6

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	45.6	0.0	43.5	88.2
1- 1	si	7	Tz	45.6	0.0	0.0	45.6
1- 1	si	5	Ty	1.5	0.0	49.4	85.6

----- PROGR. 15.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-6271.2	-2.2	-1085.1	60.5	1.0	-159.8

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	48.7	0.0	43.5	89.8
1- 1	si	7	Tz	48.5	0.0	0.0	48.5
1- 1	si	5	Ty	1.4	0.0	49.5	85.8

----- PROGR. 17.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-6672.1	-4.6	-1085.1	60.5	1.0	-163.1

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	51.9	0.0	43.5	91.6
1- 1	si	7	Tz	51.6	0.0	0.0	51.6
1- 1	si	5	Ty	1.2	0.0	49.7	86.0

----- PROGR. 20.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-7081.1	-7.1	-1085.1	60.5	1.0	-166.3

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	55.2	0.0	43.5	93.4
1- 1	si	7	Tz	54.6	0.0	0.0	54.6
1- 1	si	5	Ty	1.0	0.0	49.8	86.2

----- PROGR. 20.

VERI FI CA STABI LI TA` :

Z | LO = 20. | Ro = 5.77 | Im = 3.4 | Ncr= 70036488.5 | al fa(c )=0.4900 | ki=1.0000 |  
 Y | Lc = 20. | Ro = 0.58 | Im = 34.4 | Ncr= 700364.9 | al fa(c )=0.4900 | ki=0.8704 |  
 Caso 5- 7 - Nodo 3 - Asse Y  
 Ned = -14.5 | Mzeq = -5163.9 | Myeq = 7.7 | Ss = -39.7 ( 0.012 )

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 145- 55) 194  
 ----- PROGR. 0.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-7448.2	-7.1	-2306.8	56.7	-1.0	-214.6
5- 1	-2695.5	0.1	-838.7	-7.6	2.5	-42.3

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	57.8	0.0	92.6	170.5
5- 1	si	7	Tz	20.0	0.1	0.0	20.0
1- 1	si	5	Ty	0.9	0.0	100.6	174.3
1- 1	si	6	Si	2.0	0.0	100.6	174.3

----- PROGR. 1.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-7713.8	-5.8	-2306.8	56.7	-1.0	-216.2
5- 1	-2777.4	-2.9	-838.7	-7.6	2.5	-43.4

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	59.7	0.0	92.6	171.1
5- 1	si	7	Tz	20.6	0.1	0.0	20.6
1- 1	si	5	Ty	1.0	0.0	100.7	174.4
1- 1	si	6	Si	1.9	0.0	100.7	174.4

----- PROGR. 2.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-7981.3	-4.5	-2306.8	56.7	-1.0	-217.8
5- 1	-2862.3	-6.0	-838.7	-7.6	2.5	-44.6

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	61.6	0.0	92.6	171.8
5- 1	si	7	Tz	21.3	0.1	0.0	21.3
1- 1	si	5	Ty	1.1	0.0	100.7	174.5
1- 1	si	6	Si	1.8	0.0	100.7	174.5

----- PROGR. 4.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-8250.8	-3.2	-2306.8	56.7	-1.0	-219.4
5- 1	-2950.3	-9.1	-838.7	-7.6	2.5	-45.7

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	63.5	0.0	92.6	172.5
5- 1	si	7	Tz	21.9	0.1	0.0	21.9
1- 1	si	5	Ty	1.2	0.0	100.8	174.6
1- 1	si	6	Si	1.7	0.0	100.8	174.6

----- PROGR. 5.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-8522.3	-2.0	-2306.8	56.7	-1.0	-221.0
5- 1	-3041.4	-12.2	-838.7	-7.6	2.5	-46.8

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	65.5	0.0	92.6	173.2
5- 1	si	7	Tz	22.6	0.1	0.0	22.6
1- 1	si	5	Ty	1.3	0.0	100.9	174.7
1- 1	si	6	Si	1.6	0.0	100.9	174.7

----- PROGR. 6.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-8795.8	-0.7	-2306.8	56.7	-1.0	-222.6
5- 1	-3135.8	-15.2	-838.7	-7.6	2.5	-48.0

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	67.4	0.0	92.6	174.0
5- 1	si	7	Tz	23.3	0.1	0.0	23.3
1- 1	si	5	Ty	1.4	0.0	100.9	174.8
1- 1	si	6	Si	1.5	0.0	100.9	174.8

----- PROGR. 7.

Caso	MZ	MY	MT	N	TZ	TY		
1- 1	-9071.3	0.6	-2306.8	56.7	-1.0	-224.2		
5- 1	-3233.5	-18.3	-838.7	-7.6	2.5	-49.1		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	69.5	0.0	92.6	174.8	
5- 1	si	7	Tz	24.1	0.1	0.0	24.1	
1- 1	si	5	Ty	1.5	0.0	101.0	174.9	
-----							PROGR.	9.
SOLLECI TAZI ONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1- 1	-9348.8	1.9	-2306.8	56.7	-1.0	-225.8		
5- 1	-3334.5	-21.3	-838.7	-7.6	2.5	-50.2		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	71.7	0.0	92.6	175.6	
5- 1	si	7	Tz	24.8	0.1	0.0	24.8	
1- 1	si	5	Ty	1.6	0.0	101.0	175.0	
-----							PROGR.	10.
SOLLECI TAZI ONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1- 1	-9628.2	3.2	-2306.8	56.7	-1.0	-227.5		
5- 1	-3438.9	-24.4	-838.7	-7.6	2.5	-51.3		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	73.9	0.0	92.6	176.6	
5- 1	si	7	Tz	25.6	0.1	0.0	25.6	
1- 1	si	5	Ty	1.7	0.0	101.1	175.1	
-----							PROGR.	10.
VERIFI CA STABI LI TA` :								
Z	LO = 10.	Ro = 5.77	Im = 1.7	Ncr=284021783.0	al fa(c)=0.4900	ki=1.0000		
Y	Lc = 10.	Ro = 0.58	Im = 17.1	Ncr= 2840217.8	al fa(c)=0.4900	ki=0.9880		
Caso 4-10 - Nodo 4 - Asse Y								
Ned = -13.4   Mzeq = -4163.6   Myeq = -3.6   Ss = -31.8 ( 0.009)								
RETTANGOLARE_S003 ( 3) stato limite ultimo - ASTA ( 25- 229) 195								
-----							PROGR.	0.
SOLLECI TAZI ONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1- 1	59869.4	332.4	-1001.2	1660.1	20.5	-772.3		
5-12	49854.4	658.7	-218.0	156.9	42.5	-554.5		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	515.5	0.0	40.2	520.1	
5-12	si	7	Tz	-370.0	1.6	0.0	370.0	
1- 1	si	5	Ty	66.4	0.0	69.1	137.0	
-----							PROGR.	2.
SOLLECI TAZI ONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1- 1	57950.4	281.4	-1001.2	1660.1	20.5	-773.4		
5-12	48457.7	557.1	-218.0	156.9	42.5	-555.3		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	497.2	0.0	40.2	502.1	
5-12	si	7	Tz	-359.5	1.6	0.0	359.5	
1- 1	si	5	Ty	62.6	0.0	69.2	135.2	
-----							PROGR.	5.
SOLLECI TAZI ONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1- 1	56028.9	230.3	-1001.2	1660.1	20.5	-774.4		
5-12	47059.4	455.4	-218.0	156.9	42.5	-556.1		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	479.0	0.0	40.2	484.0	
5-12	si	7	Tz	-349.0	1.6	0.0	349.0	
1- 1	si	5	Ty	58.8	0.0	69.2	133.5	
-----							PROGR.	7.
SOLLECI TAZI ONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1- 1	54104.9	179.3	-1001.2	1660.1	20.5	-775.4		
5-12	45659.3	353.8	-218.0	156.9	42.5	-556.9		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	460.7	0.0	40.2	466.0	
5-12	si	7	Tz	-338.5	1.6	0.0	338.5	
1- 1	si	5	Ty	55.0	0.0	69.3	131.9	
-----							PROGR.	10.
SOLLECI TAZI ONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1- 1	52178.4	128.3	-1001.2	1660.1	20.5	-776.4		
5-12	44257.6	252.1	-218.0	156.9	42.5	-557.7		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	442.5	0.0	40.2	447.9	
5-12	si	7	Tz	-328.0	1.6	0.0	328.0	
1- 1	si	5	Ty	51.1	0.0	69.3	130.5	
-----							PROGR.	12.
SOLLECI TAZI ONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1- 1	50249.3	77.3	-1001.2	1660.1	20.5	-777.4		
5-12	42854.3	150.5	-218.0	156.9	42.5	-558.4		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	424.2	0.0	40.2	429.8	
5-12	si	7	Tz	-317.5	1.6	0.0	317.5	
1- 1	si	5	Ty	47.3	0.0	69.3	129.1	
-----							PROGR.	15.
SOLLECI TAZI ONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1- 1	48317.8	26.2	-1001.2	1660.1	20.5	-778.4		
5-12	41449.3	48.6	-218.0	156.9	42.5	-559.2		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	405.9	0.0	40.2	411.8	
5-12	si	7	Tz	-306.9	1.6	0.0	307.0	
1- 1	si	5	Ty	43.5	0.0	69.4	127.8	
-----							PROGR.	17.
SOLLECI TAZI ONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1- 1	46383.7	-24.8	-1001.2	1660.1	20.5	-779.4		
5-12	40042.7	-56.0	-218.0	156.9	42.5	-560.0		

TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	391.2	0.0	40.2	397.4	
5-12	si	7	Tz		-296.4	1.6	0.0	296.4	
1-1	si	5	Ty		39.6	0.0	69.4	126.6	

20.

SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1-1			44447.1	-75.8	-1001.2	1660.1	20.5	-780.4	
5-12			38634.4	-161.5	-218.0	156.9	42.5	-560.8	

TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	380.5	0.0	40.2	386.9	
5-12	si	7	Tz		-285.8	1.6	0.0	285.8	
1-1	si	5	Ty		35.8	0.0	69.4	125.5	

VERIFICA STABILITA' : asta tesa per tutti i casi di carico.

RETTANGOLARE\_S003 ( 3) stato limite ultimo - ASTA ( 229- 232) 196  
PROGR. 0.

SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1-1			44453.0	-75.8	-427.8	939.1	-4.4	-684.0	
5-12			38595.9	-161.5	128.4	23.4	-10.0	-520.4	

TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	362.6	0.0	17.2	363.8	
5-12	si	7	Tz		-288.9	-0.4	0.0	288.9	
1-1	si	5	Ty		17.8	0.0	42.8	76.3	

2.

SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1-1			42753.2	-64.9	-427.8	939.1	-4.4	-685.1	
5-12			37305.7	-136.6	128.4	23.4	-10.0	-521.2	

TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	349.0	0.0	17.2	350.3	
5-12	si	7	Tz		-279.2	-0.4	0.0	279.2	
1-1	si	5	Ty		18.6	0.0	42.9	76.5	

5.

SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1-1			41051.0	-54.0	-427.8	939.1	-4.4	-686.1	
5-12			36013.7	-111.7	128.4	23.4	-10.0	-521.9	

TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	335.4	0.0	17.2	336.7	
5-12	si	7	Tz		-269.5	-0.4	0.0	269.5	
1-1	si	5	Ty		19.4	0.0	42.9	76.8	

7.

SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1-1			39346.2	-43.2	-427.8	939.1	-4.4	-687.1	
5-12			34720.0	-86.9	128.4	23.4	-10.0	-522.7	

TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	321.8	0.0	17.2	323.2	
5-12	si	7	Tz		-259.8	-0.4	0.0	259.8	
1-1	si	5	Ty		20.2	0.0	42.9	77.1	

10.

SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1-1			37638.9	-32.3	-427.8	939.1	-4.4	-688.1	
5-12			33424.6	-62.0	128.4	23.4	-10.0	-523.5	

TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	308.2	0.0	17.2	309.6	
5-12	si	7	Tz		-250.1	-0.4	0.0	250.1	
1-1	si	5	Ty		21.1	0.0	43.0	77.4	

12.

SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1-1			35929.1	-21.4	-427.8	939.1	-4.4	-689.1	
5-12			32127.5	-37.2	128.4	23.4	-10.0	-524.3	

TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	294.6	0.0	17.2	296.0	
5-12	si	7	Tz		-240.4	-0.4	0.0	240.4	
1-1	si	5	Ty		21.9	0.0	43.0	77.6	

15.

SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1-1			34216.8	-10.5	-427.8	939.1	-4.4	-690.1	
5-12			30828.8	-12.1	128.4	23.4	-10.0	-525.1	

TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	280.9	0.0	17.2	282.5	
5-12	si	7	Tz		-230.6	-0.4	0.0	230.6	
1-1	si	5	Ty		22.7	0.0	43.1	77.9	

17.

SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1-1			32501.9	0.3	-427.8	939.1	-4.4	-691.1	
5-12			29528.4	12.6	128.4	23.4	-10.0	-525.8	

TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	Si	267.3	0.0	17.2	268.9	
5-12	si	7	Tz		-220.9	-0.4	0.0	220.9	
1-1	si	5	Ty		23.5	0.0	43.1	78.2	

20.

SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1-1			30784.6	11.2	-427.8	939.1	-4.4	-692.2	
5-12			28226.4	37.4	128.4	23.4	-10.0	-526.6	

TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	Si	255.2	0.0	17.2	256.9	
5-12	si	7	Tz		-211.1	-0.4	0.0	211.1	
1-1	si	5	Ty		24.3	0.0	43.1	78.6	

VERIFICA STABILITA' : asta tesa per tutti i casi di carico.

RETTANGOLARE\_S003 ( 3) stato limite ultimo - ASTA ( 232- 234) 197  
PROGR. 0.

SOLLECI TAZI ONI :  
Caso MZ MY MT N TZ TY  
1- 1 30640.9 11.2 -262.7 657.9 0.1 -773.6  
5- 5 13628.8 -35.9 -295.3 536.0 -2.5 -332.0

TENSI ONI (Sz= 0.00) :  
Caso Ve No massi mi Sx Tz Ty Si  
1- 1 si 4 Sx Si 247.1 0.0 10.5 247.8  
5- 5 si 7 Tz Ty -88.8 -0.1 0.0 88.8  
1- 1 si 5 Ty 17.3 0.0 39.6 70.7

SOLLECI TAZI ONI :  
Caso MZ MY MT N TZ TY  
1- 1 28718.9 11.0 -262.7 657.9 0.1 -774.6  
5- 5 12798.5 -29.7 -295.3 536.0 -2.5 -332.8

TENSI ONI (Sz= 0.00) :  
Caso Ve No massi mi Sx Tz Ty Si  
1- 1 si 4 Sx Si 232.7 0.0 10.5 233.4  
5- 5 si 7 Tz Ty -82.6 -0.1 0.0 82.6  
1- 1 si 5 Ty 17.3 0.0 39.6 70.7

SOLLECI TAZI ONI :  
Caso MZ MY MT N TZ TY  
1- 1 26794.3 10.9 -262.7 657.9 0.1 -775.6  
5- 5 11965.9 -23.6 -295.3 536.0 -2.5 -333.6

TENSI ONI (Sz= 0.00) :  
Caso Ve No massi mi Sx Tz Ty Si  
1- 1 si 4 Sx Si 218.2 0.0 10.5 219.0  
5- 5 si 7 Tz Ty -76.3 -0.1 0.0 76.3  
1- 1 si 5 Ty 17.3 0.0 39.6 70.8

SOLLECI TAZI ONI :  
Caso MZ MY MT N TZ TY  
1- 1 24867.2 10.7 -262.7 657.9 0.1 -776.6  
5- 5 11130.8 -16.6 -295.3 536.0 -2.5 -334.4

TENSI ONI (Sz= 0.00) :  
Caso Ve No massi mi Sx Tz Ty Si  
1- 1 si 4 Sx Si 203.8 0.0 10.5 204.6  
5- 5 si 7 Tz Ty -70.1 -0.1 0.0 70.1  
1- 1 si 5 Ty 17.2 0.0 39.7 70.8

SOLLECI TAZI ONI :  
Caso MZ MY MT N TZ TY  
1- 1 22937.6 10.5 -262.7 657.9 0.1 -777.6  
5- 5 10293.2 -10.8 -295.3 536.0 -2.5 -335.1

TENSI ONI (Sz= 0.00) :  
Caso Ve No massi mi Sx Tz Ty Si  
1- 1 si 4 Sx Si 189.3 0.0 10.5 190.1  
5- 5 si 7 Tz Ty -63.8 -0.1 0.0 63.8  
1- 1 si 5 Ty 17.2 0.0 39.7 70.9

SOLLECI TAZI ONI :  
Caso MZ MY MT N TZ TY  
1- 1 21005.4 10.3 -262.7 657.9 0.1 -778.7  
5- 5 9453.1 -4.8 -295.3 536.0 -2.5 -335.9

TENSI ONI (Sz= 0.00) :  
Caso Ve No massi mi Sx Tz Ty Si  
1- 1 si 4 Sx Si 174.8 0.0 10.5 175.7  
5- 5 si 7 Tz Ty -57.5 -0.1 0.0 57.5  
1- 1 si 5 Ty 17.2 0.0 39.7 71.0

SOLLECI TAZI ONI :  
Caso MZ MY MT N TZ TY  
1- 1 19070.8 10.2 -262.7 657.9 0.1 -779.7  
5- 5 9500.3 1.3 -295.3 536.0 -2.5 -336.7

TENSI ONI (Sz= 0.00) :  
Caso Ve No massi mi Sx Tz Ty Si  
1- 1 si 4 Sx Si 160.2 0.0 10.5 161.3  
5- 5 si 7 Tz Ty -57.9 -0.1 0.0 57.9  
1- 1 si 5 Ty 17.2 0.0 39.8 71.0

SOLLECI TAZI ONI :  
Caso MZ MY MT N TZ TY  
1- 1 17133.6 10.0 -262.7 657.9 0.1 -780.7  
5- 5 8589.6 7.5 -295.3 536.0 -2.5 -337.5

TENSI ONI (Sz= 0.00) :  
Caso Ve No massi mi Sx Tz Ty Si  
1- 1 si 4 Sx Si 145.7 0.0 10.5 146.8  
5- 5 si 7 Tz Ty -51.0 -0.1 0.0 51.0  
1- 1 si 5 Ty 17.2 0.0 39.8 71.1

SOLLECI TAZI ONI :  
Caso MZ MY MT N TZ TY  
1- 1 15193.9 9.8 -262.7 657.9 0.1 -781.7  
5- 5 7676.6 13.7 -295.3 536.0 -2.5 -338.3

TENSI ONI (Sz= 0.00) :  
Caso Ve No massi mi Sx Tz Ty Si  
1- 1 si 4 Sx Si 131.1 0.0 10.5 132.4  
5- 5 si 7 Tz Ty -44.2 -0.1 0.0 44.2  
1- 1 si 5 Ty 17.2 0.0 39.9 71.1

VERIFICA STABILITA' : asta tesa per tutti i casi di carico.

RETTANGOLARE\_S003 ( 3) stato limite ultimo - ASTA ( 234- 236) 198  
PROGR. 0.

SOLLECI TAZI ONI :  
Caso MZ MY MT N TZ TY  
5-10 16788.0 -1.3 431.9 76.0 1.4 -564.6  
1- 1 15081.8 9.8 154.3 493.1 3.1 -813.3

TENSI ONI (Sz= 0.00) :  
Caso Ve No massi mi Sx Tz Ty Si  
5-10 si 3 Sx Si 127.9 0.0 17.3 131.4  
1- 1 si 7 Tz Ty -100.8 0.1 0.0 100.8  
5-10 si 5 Ty 1.8 0.0 38.5 66.7

SOLLECI TAZI ONI :  
Caso MZ MY MT N TZ TY  
5-10 15327.1 -4.6 431.9 76.0 1.4 -565.4  
1- 1 13061.1 2.1 154.3 493.1 3.1 -814.3

TENSI ONI (Sz= 0.00) :  
Caso Ve No massi mi Sx Tz Ty Si  
5-10 si 3 Sx Si 117.2 0.0 17.3 121.0





----- PROGR. 16.									
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
1- 1	-15988.0			-737.0	-10034.3	144.5	63.0	-796.5	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	178.8	0.0	402.7	720.1		
1- 1	si	7	Tz	123.5	2.4	0.0	123.6		
1- 1	si	5	Ty	-51.7	0.0	432.6	751.0		
1- 1	si	6	Ty	58.9	0.0	432.6	751.6		
----- PROGR. 19.									
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
1- 1	-18149.9			-907.9	-10034.3	144.5	63.0	-797.6	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	207.8	0.0	402.7	727.8		
1- 1	si	7	Tz	139.7	2.4	0.0	139.8		
1- 1	si	5	Ty	-64.5	0.0	432.6	752.1		
1- 1	si	6	Ty	71.7	0.0	432.6	752.7		
----- PROGR. 22.									
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
1- 1	-20314.8			-1078.7	-10034.3	144.5	63.0	-798.7	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	236.9	0.0	402.7	736.6		
1- 1	si	7	Tz	156.0	2.4	0.0	156.0		
1- 1	si	5	Ty	-77.3	0.0	432.7	753.4		
1- 1	si	6	Ty	84.5	0.0	432.7	754.1		
-----									
VERIFI CA STABI LI TA` :									
Z	LO = 22.	Ro = 5.77	Im = 3.8	Ncr= 58686513.4	al fa(c)=0.4900	ki=1.0000			
Y	Lc = 22.	Ro = 0.58	Im = 37.6	Ncr= 586865.1	al fa(c)=0.4900	ki=0.8475			
Caso 4- 7 - Nodo 4 - Asse Y									
Ned =	-82.6	Mzeq = -10228.8	Myeq = -523.5	Ss = -118.4	( 0.035)				
-----									
RETTANGOLARE_S003 ( 3) stato limite ultimo - ASTA ( 220- 41) 2010.									
----- PROGR.									
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
1- 1	-20547.8			-1078.7	-17156.7	600.7	-2591.8	-1207.4	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	250.0	0.0	688.6	1218.6		
1- 1	si	7	Tz	169.1	-97.2	0.0	238.6		
1- 1	si	5	Ty	-65.9	0.0	733.8	1272.8		
1- 1	si	6	Ty	95.9	0.0	733.8	1274.7		
----- PROGR. 1.									
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
1- 1	-21446.0			848.9	-17156.7	600.7	-2591.8	-1207.7	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	239.5	0.0	688.6	1216.4		
1- 1	si	7	Tz	175.9	-97.2	0.0	243.4		
1- 1	si	5	Ty	78.7	0.0	733.8	1273.5		
----- PROGR. 1.									
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
1- 1	-22344.3			2776.6	-17156.7	600.7	-2591.8	-1208.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	390.8	0.0	688.6	1255.0		
1- 1	si	7	Tz	182.6	-97.2	0.0	248.4		
1- 1	si	5	Ty	223.3	0.0	733.9	1290.5		
----- PROGR. 2.									
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
1- 1	-23242.8			4704.2	-17156.7	600.7	-2591.8	-1208.3	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	542.2	0.0	688.6	1310.1		
1- 1	si	7	Tz	189.3	-97.2	0.0	253.4		
1- 1	si	5	Ty	367.8	0.0	733.9	1323.3		
----- PROGR. 3.									
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
1- 1	-24141.6			6631.9	-17156.7	600.7	-2591.8	-1208.6	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	693.5	0.0	688.6	1379.6		
1- 1	si	7	Tz	196.1	-97.2	0.0	258.4		
1- 1	si	5	Ty	512.4	0.0	733.9	1370.5		
----- PROGR. 4.									
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
1- 1	-25040.6			8559.5	-17156.7	600.7	-2591.8	-1208.9	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	844.8	0.0	688.6	1461.5		
1- 1	si	7	Tz	202.8	-97.2	0.0	263.6		
1- 1	si	5	Ty	657.0	0.0	733.9	1430.9		
----- PROGR. 4.									
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
1- 1	-25939.9			10487.2	-17156.7	600.7	-2591.8	-1209.2	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	996.1	0.0	688.6	1553.9		
1- 1	si	7	Tz	209.6	-97.2	0.0	268.8		
1- 1	si	5	Ty	801.6	0.0	733.9	1502.8		
----- PROGR. 5.									
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
1- 1	-26839.3			12414.8	-17156.7	600.7	-2591.8	-1209.5	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	1147.4	0.0	688.6	1655.0		
1- 1	si	7	Tz	216.3	-97.2	0.0	274.1		
1- 1	si	5	Ty	946.1	0.0	733.9	1584.6		

----- PROGR. 6.

SOLLECI TAZI ONI		: MZ		MY	MT	N	TZ	TY
Caso	1-1			14342.5	-17156.7	600.7	-2591.8	-1209.8
TENSI ONI (Sz=0.00)		: Sx		Tz	Ty	Si		
Caso	1-1	si	1	1298.7	0.0	688.6	1763.3	
	1-1	si	7	223.1	-97.2	0.0	279.5	
	1-1	si	5	1090.7	0.0	733.9	1675.0	

VERI FI CA STABI LI TA` :

Z	LO = 6.	Ro = 5.77	Im = 1.0	Ncr=780591549.1	al fa(c)=0.4900	ki=1.0000
Y	Lc = 6.	Ro = 0.58	Im = 10.3	Ncr= 7805915.3	al fa(c)=0.4900	ki=1.0000
Caso 5-14 - Nodo 3 - Asse Y						
Ned =	-73.1	Mzeq = -19190.4	Myeq = 5670.1	Ss = -571.0	( 0.169)	

RETTANGOLARE\_S003 ( 3) stato limite ultimo - ASTA ( 42- 239) 202  
----- PROGR. 0.

SOLLECI TAZI ONI		: MZ		MY	MT	N	TZ	TY
Caso	1-1			-5162.2	-2633.3	1243.3	-398.0	-590.4
TENSI ONI (Sz=0.00)		: Sx		Tz	Ty	Si		
Caso	1-1	si	3	955.1	0.0	105.7	972.4	
	1-1	si	7	-505.7	-14.9	0.0	506.4	
	1-1	si	5	-356.1	0.0	127.8	419.3	

----- PROGR. 2.

SOLLECI TAZI ONI		: MZ		MY	MT	N	TZ	TY
Caso	1-1			-4378.5	-2633.3	1243.3	-398.0	-591.2
TENSI ONI (Sz=0.00)		: Sx		Tz	Ty	Si		
Caso	1-1	si	3	887.6	0.0	105.7	906.2	
	1-1	si	7	-497.0	-14.9	0.0	497.7	
	1-1	si	5	-297.3	0.0	127.9	370.7	

----- PROGR. 4.

SOLLECI TAZI ONI		: MZ		MY	MT	N	TZ	TY
Caso	1-1			-3594.8	-2633.3	1243.3	-398.0	-592.0
TENSI ONI (Sz=0.00)		: Sx		Tz	Ty	Si		
Caso	1-1	si	3	820.0	0.0	105.7	840.2	
	1-1	si	7	-488.3	-14.9	0.0	489.0	
	1-1	si	5	-238.5	0.0	127.9	325.5	

----- PROGR. 6.

SOLLECI TAZI ONI		: MZ		MY	MT	N	TZ	TY
Caso	1-1			-2811.2	-2633.3	1243.3	-398.0	-592.8
TENSI ONI (Sz=0.00)		: Sx		Tz	Ty	Si		
Caso	1-1	si	3	752.5	0.0	105.7	774.5	
	1-1	si	7	-479.5	-14.9	0.0	480.2	
	1-1	si	5	-179.8	0.0	127.9	285.3	

----- PROGR. 8.

SOLLECI TAZI ONI		: MZ		MY	MT	N	TZ	TY
Caso	1-1			-2027.5	-2633.3	1243.3	-398.0	-593.6
TENSI ONI (Sz=0.00)		: Sx		Tz	Ty	Si		
Caso	1-1	si	3	685.0	0.0	105.7	709.0	
	1-1	si	7	-470.8	-14.9	0.0	471.5	
	1-1	si	5	-121.0	0.0	127.9	252.5	

----- PROGR. 10.

SOLLECI TAZI ONI		: MZ		MY	MT	N	TZ	TY
Caso	1-1			-1243.9	-2633.3	1243.3	-398.0	-594.4
TENSI ONI (Sz=0.00)		: Sx		Tz	Ty	Si		
Caso	1-1	si	3	617.4	0.0	105.7	644.0	
	1-1	si	7	-462.0	-14.9	0.0	462.7	
	1-1	si	5	-62.2	0.0	128.0	230.2	

----- PROGR. 12.

SOLLECI TAZI ONI		: MZ		MY	MT	N	TZ	TY
Caso	1-1			-460.2	-2633.3	1243.3	-398.0	-595.2
TENSI ONI (Sz=0.00)		: Sx		Tz	Ty	Si		
Caso	1-1	si	3	549.9	0.0	105.7	579.6	
	1-1	si	7	-453.2	-14.9	0.0	453.9	
	1-1	si	5	-3.4	0.0	128.0	221.7	

----- PROGR. 14.

SOLLECI TAZI ONI		: MZ		MY	MT	N	TZ	TY
Caso	1-1			323.5	-2633.3	1243.3	-398.0	-596.0
TENSI ONI (Sz=0.00)		: Sx		Tz	Ty	Si		
Caso	1-1	si	4	530.8	0.0	105.7	561.5	
	1-1	si	7	-444.4	-14.9	0.0	445.2	
	1-1	si	5	55.3	0.0	128.0	228.6	

----- PROGR. 16.

SOLLECI TAZI ONI		: MZ		MY	MT	N	TZ	TY
Caso	1-1			1107.1	-2633.3	1243.3	-398.0	-596.8
TENSI ONI (Sz=0.00)		: Sx		Tz	Ty	Si		
Caso	1-1	si	4	580.8	0.0	105.7	609.0	
	1-1	si	7	-435.6	-14.9	0.0	436.4	
	1-1	si	5	114.1	0.0	128.1	249.4	

VERI FI CA STABI LI TA` : asta tesa per tutti i casi di carico.

RETTANGOLARE\_S003 ( 3) stato limite ultimo - ASTA ( 239- 244) 203  
----- PROGR. 0.

SOLLECI TAZI ONI		: MZ		MY	MT	N	TZ	TY
Caso	1-1			1107.1	-1887.4	1153.8	67.0	-640.0
TENSI ONI (Sz=0.00)		: Sx		Tz	Ty	Si		
Caso	1-1	si	4	580.5	0.0	75.8	595.1	
	1-1	si	7	-439.8	2.5	0.0	439.8	



1-1	si	5	Ty	111.9	0.0	99.7	205.8	3.
SOLLECI TAZI ONI :								
Caso	1-1	MZ	MY	MT	N	TZ	TY	
TENSI ONI	(Sz=	60743.0	925.5	-1887.4	1153.8	67.0	-641.1	
Caso	1-1	si	Sx	Tz	Ty	Si		
1-1	si	4	553.8	0.0	75.8	569.2		
1-1	si	7	-426.7	2.5	0.0	426.7		
1-1	si	5	98.3	0.0	99.8	198.8		
----- PROGR.								
5.								
SOLLECI TAZI ONI :								
Caso	1-1	MZ	MY	MT	N	TZ	TY	
TENSI ONI	(Sz=	59002.6	743.8	-1887.4	1153.8	67.0	-642.2	
Caso	1-1	si	Sx	Tz	Ty	Si		
1-1	si	4	527.2	0.0	75.8	543.2		
1-1	si	7	-413.7	2.5	0.0	413.7		
1-1	si	5	84.6	0.0	99.8	192.5		
----- PROGR.								
8.								
SOLLECI TAZI ONI :								
Caso	1-1	MZ	MY	MT	N	TZ	TY	
TENSI ONI	(Sz=	57259.2	562.2	-1887.4	1153.8	67.0	-643.3	
Caso	1-1	si	Sx	Tz	Ty	Si		
1-1	si	4	500.5	0.0	75.8	517.4		
1-1	si	7	-400.6	2.5	0.0	400.6		
1-1	si	5	71.0	0.0	99.9	187.0		
----- PROGR.								
11.								
SOLLECI TAZI ONI :								
Caso	1-1	MZ	MY	MT	N	TZ	TY	
TENSI ONI	(Sz=	55512.7	380.6	-1887.4	1153.8	67.0	-644.4	
Caso	1-1	si	Sx	Tz	Ty	Si		
1-1	si	4	473.7	0.0	75.8	491.6		
1-1	si	7	-387.5	2.5	0.0	387.5		
1-1	si	5	57.4	0.0	99.9	182.3		
----- PROGR.								
14.								
SOLLECI TAZI ONI :								
Caso	1-1	MZ	MY	MT	N	TZ	TY	
TENSI ONI	(Sz=	53763.3	198.9	-1887.4	1153.8	67.0	-645.5	
Caso	1-1	si	Sx	Tz	Ty	Si		
1-1	si	4	447.0	0.0	75.8	465.8		
1-1	si	7	-374.4	2.5	0.0	374.4		
1-1	si	5	43.8	0.0	100.0	178.6		
----- PROGR.								
16.								
SOLLECI TAZI ONI :								
Caso	1-1	MZ	MY	MT	N	TZ	TY	
TENSI ONI	(Sz=	52010.9	17.3	-1887.4	1153.8	67.0	-646.6	
Caso	1-1	si	Sx	Tz	Ty	Si		
1-1	si	4	420.2	0.0	75.8	440.2		
1-1	si	7	-361.2	2.5	0.0	361.3		
1-1	si	5	30.1	0.0	100.0	175.8		
----- PROGR.								
19.								
SOLLECI TAZI ONI :								
Caso	1-1	MZ	MY	MT	N	TZ	TY	
TENSI ONI	(Sz=	50255.4	-164.4	-1887.4	1153.8	67.0	-647.7	
Caso	1-1	si	Sx	Tz	Ty	Si		
1-1	si	3	418.1	0.0	75.8	438.2		
1-1	si	7	-348.1	2.5	0.0	348.1		
1-1	si	5	16.5	0.0	100.0	174.1		
----- PROGR.								
22.								
SOLLECI TAZI ONI :								
Caso	1-1	MZ	MY	MT	N	TZ	TY	
TENSI ONI	(Sz=	48497.0	-346.0	-1887.4	1153.8	67.0	-648.8	
Caso	1-1	si	Sx	Tz	Ty	Si		
1-1	si	3	418.5	0.0	75.8	438.6		
1-1	si	7	-334.9	2.5	0.0	334.9		
1-1	si	5	2.9	0.0	100.1	173.4		
----- PROGR.								
VERIFICA STABILITA' : asta tesa per tutti i casi di carico.								
RETTANGOLARE_S003 ( 3) stato limite ultimo - ASTA ( 244- 249) 204								
----- PROGR. 0.								
SOLLECI TAZI ONI :								
Caso	1-1	MZ	MY	MT	N	TZ	TY	
TENSI ONI	(Sz=	48599.1	-346.0	-1612.4	979.1	-32.0	-671.1	
Caso	1-1	si	Sx	Tz	Ty	Si		
1-1	si	3	414.9	0.0	64.7	429.8		
1-1	si	7	-340.0	-1.2	0.0	340.0		
1-1	si	5	-1.5	0.0	89.9	155.7		
----- PROGR.								
3.								
SOLLECI TAZI ONI :								
Caso	1-1	MZ	MY	MT	N	TZ	TY	
TENSI ONI	(Sz=	46777.1	-259.1	-1612.4	979.1	-32.0	-672.2	
Caso	1-1	si	Sx	Tz	Ty	Si		
1-1	si	3	394.7	0.0	64.7	410.3		
1-1	si	7	-326.4	-1.2	0.0	326.4		
1-1	si	5	5.0	0.0	89.9	155.8		
----- PROGR.								
5.								
SOLLECI TAZI ONI :								
Caso	1-1	MZ	MY	MT	N	TZ	TY	
TENSI ONI	(Sz=	44952.2	-172.2	-1612.4	979.1	-32.0	-673.3	
Caso	1-1	si	Sx	Tz	Ty	Si		
1-1	si	3	374.5	0.0	64.7	390.9		
1-1	si	7	-312.7	-1.2	0.0	312.7		
1-1	si	5	11.6	0.0	90.0	156.2		
----- PROGR.								
8.								
SOLLECI TAZI ONI :								
Caso	1-1	MZ	MY	MT	N	TZ	TY	
TENSI ONI	(Sz=	43124.3	-85.3	-1612.4	979.1	-32.0	-674.4	
Caso	1-1	si	Sx	Tz	Ty	Si		
1-1	si	3	354.3	0.0	64.7	371.6		
1-1	si	7	-299.0	-1.2	0.0	299.0		
1-1	si	5	18.1	0.0	90.0	156.9		

----- PROGR. 11.									
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
1- 1	41293.3			1.6	-1612.4	979.1	-32.0	-675.6	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx	334.3	0.0	64.7	352.6		
1- 1	si	7	Tz	-285.2	-1.2	0.0	285.2		
1- 1	si	5	Ty	24.6	0.0	90.0	157.9		
----- PROGR. 14.									
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
1- 1	39459.4			88.5	-1612.4	979.1	-32.0	-676.7	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx	327.1	0.0	64.7	345.7		
1- 1	si	7	Tz	-271.5	-1.2	0.0	271.5		
1- 1	si	5	Ty	31.1	0.0	90.1	159.1		
----- PROGR. 16.									
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
1- 1	37622.4			175.4	-1612.4	979.1	-32.0	-677.8	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx	319.8	0.0	64.7	338.9		
1- 1	si	7	Tz	-257.7	-1.2	0.0	257.7		
1- 1	si	5	Ty	37.6	0.0	90.1	160.6		
----- PROGR. 19.									
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
1- 1	35782.5			262.3	-1612.4	979.1	-32.0	-678.9	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx	312.5	0.0	64.7	332.0		
1- 1	si	7	Tz	-243.9	-1.2	0.0	243.9		
1- 1	si	5	Ty	44.1	0.0	90.2	162.3		
----- PROGR. 22.									
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
1- 1	33939.5			349.2	-1612.4	979.1	-32.0	-680.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx	305.2	0.0	64.7	325.1		
1- 1	si	7	Tz	-230.1	-1.2	0.0	230.1		
1- 1	si	5	Ty	50.7	0.0	90.2	164.3		
-----									
VERIFICA STABILITA' : asta tesa per tutti i casi di carico.									
----- PROGR. 205									
RETTANGOLARE_S003 ( 3) stato limite ultimo - ASTA ( 249- 23) 205									
----- PROGR. 0.									
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
1- 1	33904.2			349.2	-1456.7	911.0	72.0	-716.3	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx	303.2	0.0	58.5	319.7		
1- 1	si	7	Tz	-231.5	2.7	0.0	231.6		
1- 1	si	5	Ty	49.0	0.0	85.3	155.7		
----- PROGR. 3.									
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
5- 7	36138.5			-10.1	-481.0	-109.7	-4.8	330.5	
1- 1	31959.8			153.8	-1456.7	911.0	72.0	-717.4	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
5- 7	si	1	Sx	-274.5	0.0	19.3	276.6		
1- 1	si	7	Tz	-216.9	2.7	0.0	217.0		
1- 1	si	5	Ty	34.3	0.0	85.4	151.8		
1- 1	si	4	Si	274.0	0.0	58.5	292.1		
----- PROGR. 5.									
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
5- 7	37043.1			2.6	-481.0	-109.7	-4.8	329.6	
1- 1	30012.4			-41.5	-1456.7	911.0	72.0	-718.5	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
5- 7	si	2	Sx	-280.8	0.0	19.3	282.7		
1- 1	si	7	Tz	-202.3	2.7	0.0	202.4		
1- 1	si	5	Ty	19.7	0.0	85.4	149.2		
----- PROGR. 8.									
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
5- 7	37948.0			14.6	-481.0	-109.7	-4.8	328.8	
1- 1	28062.1			-236.8	-1456.7	911.0	72.0	-719.6	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
5- 7	si	2	Sx	-288.4	0.0	19.3	290.4		
1- 1	si	7	Tz	-187.7	2.7	0.0	187.7		
1- 1	si	5	Ty	5.0	0.0	85.4	148.1		
----- PROGR. 11.									
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
5- 7	38853.7			25.1	-481.0	-109.7	-4.8	327.9	
1- 1	26108.7			-432.1	-1456.7	911.0	72.0	-720.7	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
5- 7	si	2	Sx	-296.0	0.0	19.3	297.9		
1- 1	si	7	Tz	-173.0	2.7	0.0	173.1		
1- 1	si	5	Ty	-9.6	0.0	85.5	148.4		
----- PROGR. 14.									
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
5- 7	39761.1			34.5	-481.0	-109.7	-4.8	327.1	
1- 1	24152.3			-627.5	-1456.7	911.0	72.0	-721.8	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
5- 7	si	2	Sx	-303.5	0.0	19.3	305.4		
1- 1	si	7	Tz	-158.4	2.7	0.0	158.4		
1- 1	si	5	Ty	-24.3	0.0	85.5	150.1		
----- PROGR. 16.									
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
5- 7	40671.4			43.5	-481.0	-109.7	-4.8	326.2	

1- 1	22192.9	-822.8	-1456.7	911.0	72.0	-722.9
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
5- 7	si	2	Sx	-311.0	0.0	19.3
1- 1	si	7	Tz	-143.7	2.7	0.0
1- 1	si	5	Ty	-38.9	0.0	85.6
----- PROGR. 19.						

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
5- 7	41585.6	69.3	-481.0	-109.7	-4.8	325.4
1- 1	20230.5	-1018.1	-1456.7	911.0	72.0	-724.0
5-10	-29665.3	-928.2	-918.3	923.9	65.7	-1079.5

TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
5- 7	si	2	Sx	-319.8	0.0	19.3
1- 1	si	7	Tz	-129.0	2.7	0.0
1- 1	si	5	Ty	-53.6	0.0	85.6
5-10	si	2	TySi	315.2	0.0	36.9
----- PROGR. 22.						

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
5-10	-32632.4	-1106.2	-918.3	923.9	65.7	-1080.3
1- 1	18265.1	-1213.5	-1456.7	911.0	72.0	-725.1

TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
5-10	si	2	Sx	350.8	0.0	36.9
1- 1	si	7	Tz	-114.2	2.7	0.0
1- 1	si	5	Ty	-68.2	0.0	85.7
----- PROGR. 22.						

## VERIFI CA STABI LI TA` :

Z	LO = 22.	Ro = 5.77	Im = 3.8	Ncr= 58686513.4	al fa(c) = 0.4900	ki = 1.0000
Y	Lc = 22.	Ro = 0.58	Im = 37.6	Ncr= 586865.1	al fa(c) = 0.4900	ki = 0.8475
Caso 5- 7	- Nodo 2 - Asse Y					
Ned =	-109.7	Mzeq = 42504.9	Myeq = 61.7	Ss = -326.7	( 0.097)	

RETTANGOLARE\_S003 ( 3) stato limite ultimo - ASTA ( 25- 231) 206  
----- PROGR. 0.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
5- 7	-12081.6	-620.5	1331.2	385.9	-31.1	1407.6
4- 7	7483.5	758.6	2629.5	-620.6	67.2	-285.5
1- 1	-5181.1	359.2	3637.3	-413.7	48.0	1070.2

TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
5- 7	si	2	Sx	146.8	0.0	53.4
4- 7	si	7	Tz	-71.6	2.5	0.0
1- 1	si	5	Ty	16.6	0.0	-186.1
1- 1	si	6	TySi	-37.3	0.0	-186.1
----- PROGR. 3.						

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
5-10	7551.8	635.8	2024.6	-697.0	66.4	-334.8
4- 7	6679.3	580.4	2629.5	-620.6	67.2	-286.4
1- 1	-2279.7	229.0	3637.3	-413.7	48.0	1069.1

TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
5-10	si	2	Sx	-121.7	0.0	81.3
4- 7	si	7	Tz	-65.6	2.5	0.0
1- 1	si	5	Ty	6.8	0.0	-186.1
1- 1	si	6	TySi	-27.5	0.0	-186.1
----- PROGR. 5.						

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
5-14	6731.5	454.4	2035.5	-697.3	65.9	-305.1
4- 7	5877.5	412.6	2629.5	-620.6	67.2	-287.2
1- 1	618.6	98.8	3637.3	-413.7	48.0	1068.0

TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
5-14	si	2	Sx	-102.0	0.0	81.7
4- 7	si	7	Tz	-59.6	2.5	0.0
1- 1	si	5	Ty	-2.9	0.0	-186.0
1- 1	si	6	TySi	-17.8	0.0	-186.0
----- PROGR. 8.						

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
5-14	5915.5	265.6	2035.5	-697.3	65.9	-305.9
4- 7	5080.0	196.2	2629.5	-620.6	67.2	-288.1
1- 1	3514.0	-31.3	3637.3	-413.7	48.0	1066.9

TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
5-14	si	2	Sx	-81.7	0.0	81.7
4- 7	si	7	Tz	-53.6	2.5	0.0
1- 1	si	5	TySi	-12.7	0.0	-186.0
----- PROGR. 11.						

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	6406.4	-161.5	3637.3	-413.7	48.0	1065.8
4- 7	4304.5	18.1	2629.5	-620.6	67.2	-288.9

TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
1- 1	si	1	Sx	-70.5	0.0	146.0
4- 7	si	7	Tz	-47.8	2.5	0.0
1- 1	si	5	TySi	-22.5	0.0	-185.9
----- PROGR. 14.						

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	9295.7	-291.7	3637.3	-413.7	48.0	1064.7
4- 7	3419.0	-162.4	2629.5	-620.6	67.2	-289.8

TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
1- 1	si	1	Sx	-101.9	0.0	146.0
4- 7	si	7	Tz	-41.2	2.5	0.0
1- 1	si	5	TySi	-32.2	0.0	-185.9
----- PROGR. 16.						

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	12182.1	-421.9	3637.3	-413.7	48.0	1063.5
4- 7	2642.6	-344.5	2629.5	-620.6	67.2	-290.6

TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
1- 1	si	1	Sx	-133.4	0.0	146.0
----- PROGR. 16.						

4-7	si	7	Tz	-35.3	2.5	0.0	35.6
1-1	si	5	TySi	-42.0	0.0	-185.9	324.6

19.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	15065.5	-552.1	3637.3	-413.7	48.0	1062.4
4-7	1845.3	-526.1	2629.5	-620.6	67.2	-291.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-164.7	0.0	146.0	301.8
4-7	si	7	Tz	-29.4	2.5	0.0	29.7
1-1	si	5	TySi	-51.8	0.0	-185.8	326.0

22.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	17945.8	-682.3	3637.3	-413.7	48.0	1061.3
4-7	1044.0	-708.1	2629.5	-620.6	67.2	-292.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-196.1	0.0	146.0	320.0
4-7	si	7	Tz	-23.3	2.5	0.0	23.7
1-1	si	5	TySi	-61.5	0.0	-185.8	327.6

VERIFI CA STABI LI TA` :

Z LO = 22. | Ro = 5.77 | Im = 3.8 | Ncr= 58686513.4 | al fa(c)=0.4900 | ki=1.0000  
 Y Lc = 22. | Ro = 0.58 | Im = 37.6 | Ncr= 586865.1 | al fa(c)=0.4900 | ki=0.8475  
 Caso 1-1 - Nodo 1 - Asse Y  
 Ned = -413.7 | Mzeq = 13459.4 | Myeq = -511.7 | Ss = -151.6 ( 0.045)

RETTANGOLARE\_S003 ( 3) stato limite ultimo - ASTA ( 231- 42) 207  
 0. PROGR.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	17393.2	-682.3	4812.1	-531.5	-1922.6	935.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-194.9	0.0	193.1	387.1
1-1	si	7	Tz	-143.7	-72.1	0.0	190.4
1-1	si	5	TySi	-64.5	0.0	-228.2	400.5

1.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-2	20463.8	695.5	3226.3	92.2	-1175.1	1267.5
1-1	18088.8	747.7	4812.1	-531.5	-1922.6	935.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-2	si	4	Sx	207.9	0.0	129.5	305.8
1-1	si	7	Tz	-149.0	-72.1	0.0	194.4
1-1	si	5	Ty	42.8	0.0	-228.2	397.6
1-1	si	6	Si	-69.4	0.0	-228.2	401.3

1.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	18784.2	2177.7	4812.1	-531.5	-1922.6	934.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-317.5	0.0	193.1	461.2
1-1	si	7	Tz	-154.2	-72.1	0.0	198.4
1-1	si	5	Ty	150.0	0.0	-228.2	422.7

2.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	19479.3	3607.6	4812.1	-531.5	-1922.6	934.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-430.0	0.0	193.1	544.8
1-1	si	7	Tz	-159.4	-72.1	0.0	202.5
1-1	si	5	Ty	257.3	0.0	-228.2	471.6

3.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	20174.3	5037.6	4812.1	-531.5	-1922.6	934.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-542.4	0.0	193.1	637.3
1-1	si	7	Tz	-164.6	-72.1	0.0	206.6
1-1	si	5	Ty	364.5	0.0	-228.2	537.6

4.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	20869.0	6467.5	4812.1	-531.5	-1922.6	933.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-654.9	0.0	193.1	735.4
1-1	si	7	Tz	-169.8	-72.1	0.0	210.8
1-1	si	5	Ty	471.8	0.0	-228.1	615.4

4.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	21563.5	7897.5	4812.1	-531.5	-1922.6	933.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-767.3	0.0	193.1	837.1
1-1	si	7	Tz	-175.0	-72.1	0.0	215.0
1-1	si	5	Ty	579.0	0.0	-228.1	701.0

5.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	22257.8	9327.5	4812.1	-531.5	-1922.6	933.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-879.8	0.0	193.1	941.2
1-1	si	7	Tz	-180.2	-72.1	0.0	219.3
1-1	si	5	Ty	686.3	0.0	-228.1	791.9

6.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	22951.8	10757.4	4812.1	-531.5	-1922.6	933.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-992.2	0.0	193.1	1047.1

1- 1	si	7	Tz	-185.4	-72.1	0.0	223.6
1- 1	si	5	Ty	793.5	0.0	-228.1	886.4

VERIFICA STABILITA' :

Z | LO = 6. | Ro = 5.77 | Im = 1.0 | Ncr=780591549.1 | alfa(c) = 0.4900 | ki = 1.0000  
 Y | Lc = 6. | Ro = 0.58 | Im = 10.3 | Ncr= 7805915.3 | alfa(c) = 0.4900 | ki = 1.0000  
 Caso 1- 1 - Nodo 2 - Asse Y  
 Ned = -531.5 | Mzeq = 22951.8 | Myeq = 8068.1 | Ss = -790.6 ( 0.234)

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 23- 253 ) 208  
 0. PROGR.

SOLLECI TAZI ONI :

Caso	1- 1	MZ	MY	MT	N	TZ	TY
TENSI ONI (Sz=	0.00)	15858.3	1311.5	1177.1	-700.6	81.5	-114.0
Caso	1- 1	Ve	No	massi mi	Sx	Tz	Ty
1- 1	si	2	Sx	Si	-234.8	0.0	47.2
1- 1	si	7	Tz	Si	-136.5	3.1	0.0
1- 1	si	5	Ty	Si	80.8	0.0	51.5

PROGR. 2.

SOLLECI TAZI ONI :

Caso	1- 1	MZ	MY	MT	N	TZ	TY
TENSI ONI (Sz=	0.00)	15571.2	1109.1	1177.1	-700.6	81.5	-117.3
Caso	1- 1	Ve	No	massi mi	Sx	Tz	Ty
1- 1	si	2	Sx	Si	-217.5	0.0	47.2
1- 1	si	7	Tz	Si	-134.3	3.1	0.0
1- 1	si	5	Ty	Si	65.7	0.0	51.6

PROGR. 5.

SOLLECI TAZI ONI :

Caso	1- 1	MZ	MY	MT	N	TZ	TY
TENSI ONI (Sz=	0.00)	15275.9	906.8	1177.1	-700.6	81.5	-120.5
Caso	1- 1	Ve	No	massi mi	Sx	Tz	Ty
1- 1	si	2	Sx	Si	-200.1	0.0	47.2
1- 1	si	7	Tz	Si	-132.1	3.1	0.0
1- 1	si	5	Ty	Si	50.5	0.0	51.8

PROGR. 7.

SOLLECI TAZI ONI :

Caso	1- 1	MZ	MY	MT	N	TZ	TY
TENSI ONI (Sz=	0.00)	14972.7	704.4	1177.1	-700.6	81.5	-123.8
Caso	1- 1	Ve	No	massi mi	Sx	Tz	Ty
1- 1	si	2	Sx	Si	-182.6	0.0	47.2
1- 1	si	7	Tz	Si	-129.8	3.1	0.0
1- 1	si	5	Ty	Si	35.3	0.0	51.9

PROGR. 10.

SOLLECI TAZI ONI :

Caso	1- 1	MZ	MY	MT	N	TZ	TY
TENSI ONI (Sz=	0.00)	14661.3	502.0	1177.1	-700.6	81.5	-127.0
Caso	1- 1	Ve	No	massi mi	Sx	Tz	Ty
1- 1	si	2	Sx	Si	-165.1	0.0	47.2
1- 1	si	7	Tz	Si	-127.5	3.1	0.0
1- 1	si	5	Ty	Si	20.1	0.0	52.0

PROGR. 12.

SOLLECI TAZI ONI :

Caso	1- 1	MZ	MY	MT	N	TZ	TY
TENSI ONI (Sz=	0.00)	14341.9	299.6	1177.1	-700.6	81.5	-130.3
Caso	1- 1	Ve	No	massi mi	Sx	Tz	Ty
1- 1	si	2	Sx	Si	-147.6	0.0	47.2
1- 1	si	7	Tz	Si	-125.1	3.1	0.0
1- 1	si	5	Ty	Si	5.0	0.0	52.1

PROGR. 15.

SOLLECI TAZI ONI :

Caso	1- 1	MZ	MY	MT	N	TZ	TY
TENSI ONI (Sz=	0.00)	14014.4	97.2	1177.1	-700.6	81.5	-133.5
Caso	1- 1	Ve	No	massi mi	Sx	Tz	Ty
1- 1	si	2	Sx	Si	-129.9	0.0	47.2
1- 1	si	7	Tz	Si	-122.6	3.1	0.0
1- 1	si	5	Ty	Si	-10.2	0.0	52.2

PROGR. 17.

SOLLECI TAZI ONI :

Caso	1- 1	MZ	MY	MT	N	TZ	TY
TENSI ONI (Sz=	0.00)	13678.9	-105.1	1177.1	-700.6	81.5	-136.8
Caso	1- 1	Ve	No	massi mi	Sx	Tz	Ty
1- 1	si	1	Sx	Si	-128.0	0.0	47.2
1- 1	si	7	Tz	Si	-120.1	3.1	0.0
1- 1	si	5	Ty	Si	-25.4	0.0	52.4

PROGR. 20.

SOLLECI TAZI ONI :

Caso	1- 1	MZ	MY	MT	N	TZ	TY
TENSI ONI (Sz=	0.00)	13335.2	-307.5	1177.1	-700.6	81.5	-140.0
Caso	1- 1	Ve	No	massi mi	Sx	Tz	Ty
1- 1	si	1	Sx	Si	-140.6	0.0	47.2
1- 1	si	7	Tz	Si	-117.5	3.1	0.0
1- 1	si	5	Ty	Si	-40.6	0.0	52.5

VERIFICA STABILITA' :

Z | LO = 20. | Ro = 5.77 | Im = 3.4 | Ncr= 70036488.5 | alfa(c) = 0.4900 | ki = 1.0000  
 Y | Lc = 20. | Ro = 0.58 | Im = 34.4 | Ncr= 700364.9 | alfa(c) = 0.4900 | ki = 0.8704  
 Caso 1- 1 - Nodo 2 - Asse Y  
 Ned = -700.6 | Mzeq = 15858.3 | Myeq = 983.6 | Ss = -212.9 ( 0.063)

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 253- 254 ) 209  
 0. PROGR.

SOLLECI TAZI ONI :

Caso	1- 1	MZ	MY	MT	N	TZ	TY
TENSI ONI (Sz=	0.00)	13432.8	-307.5	1188.1	-493.6	-19.8	-170.5
Caso	1- 1	Ve	No	massi mi	Sx	Tz	Ty
1- 1	si	1	Sx	Si	-136.1	0.0	47.7
1- 1	si	7	Tz	Si	-113.1	-0.7	0.0
1- 1	si	5	Ty	Si	-35.4	0.0	54.1

----- PROGR. 2.										
SOLLECI TAZI ONI :										
Caso	1-1		MZ	MY	MT	N	TZ	TY		
TENSIONI (Sz=0.00) :										
Caso	1-1	si	1	Sx	Tz	Ty	Si			
1-1	si	7	1	-129.3	0.0	47.7	153.4			
1-1	si	7	5	-109.9	-0.7	0.0	109.9			
1-1	si	5		-31.7	0.0	54.2	99.1			
----- PROGR. 5.										
SOLLECI TAZI ONI :										
Caso	1-1		MZ	MY	MT	N	TZ	TY		
TENSIONI (Sz=0.00) :										
Caso	1-1	si	1	Sx	Tz	Ty	Si			
1-1	si	7	1	-122.3	0.0	47.7	147.6			
1-1	si	7	5	-106.6	-0.7	0.0	106.6			
1-1	si	5		-28.0	0.0	54.3	98.2			
----- PROGR. 7.										
SOLLECI TAZI ONI :										
Caso	1-1		MZ	MY	MT	N	TZ	TY		
TENSIONI (Sz=0.00) :										
Caso	1-1	si	1	Sx	Tz	Ty	Si			
1-1	si	7	1	-115.3	0.0	47.7	141.8			
1-1	si	7	5	-103.3	-0.7	0.0	103.3			
1-1	si	5		-24.3	0.0	54.4	97.4			
----- PROGR. 10.										
SOLLECI TAZI ONI :										
Caso	1-1		MZ	MY	MT	N	TZ	TY		
TENSIONI (Sz=0.00) :										
Caso	1-1	si	1	Sx	Tz	Ty	Si			
1-1	si	7	1	-108.2	0.0	47.7	136.1			
1-1	si	7	5	-99.9	-0.7	0.0	99.9			
1-1	si	5		-20.6	0.0	54.6	96.7			
----- PROGR. 12.										
SOLLECI TAZI ONI :										
Caso	1-1		MZ	MY	MT	N	TZ	TY		
TENSIONI (Sz=0.00) :										
Caso	1-1	si	1	Sx	Tz	Ty	Si			
1-1	si	7	1	-101.1	0.0	47.7	130.5			
1-1	si	7	5	-96.5	-0.7	0.0	96.5			
1-1	si	5		-17.0	0.0	54.7	96.2			
----- PROGR. 15.										
SOLLECI TAZI ONI :										
Caso	1-1		MZ	MY	MT	N	TZ	TY		
TENSIONI (Sz=0.00) :										
Caso	1-1	si	1	Sx	Tz	Ty	Si			
1-1	si	7	1	-93.9	0.0	47.7	125.0			
1-1	si	7	5	-92.9	-0.7	0.0	93.0			
1-1	si	5		-13.3	0.0	54.8	95.9			
----- PROGR. 17.										
SOLLECI TAZI ONI :										
Caso	1-1		MZ	MY	MT	N	TZ	TY		
TENSIONI (Sz=0.00) :										
Caso	1-1	si	2	Sx	Tz	Ty	Si			
1-1	si	7	2	-92.1	0.0	47.7	123.7			
1-1	si	7	5	-89.4	-0.7	0.0	89.4			
1-1	si	5		-9.6	0.0	54.9	95.6			
----- PROGR. 20.										
SOLLECI TAZI ONI :										
Caso	1-1		MZ	MY	MT	N	TZ	TY		
TENSIONI (Sz=0.00) :										
Caso	1-1	si	2	Sx	Tz	Ty	Si			
1-1	si	7	2	-92.2	0.0	47.7	123.8			
1-1	si	7	5	-85.7	-0.7	0.0	85.8			
1-1	si	5		-5.9	0.0	55.1	95.5			
----- PROGR. 210.										
VERI F I C A S T A B I L I T A` :										
Z	LO =	20.	Ro =	5.77	Im =	3.4	Ncr=	70036488.5	al fa(c)=0.4900	ki=1.0000
Y	Lc =	20.	Ro =	0.58	Im =	34.4	Ncr=	700364.9	al fa(c)=0.4900	ki=0.8704
Caso 1-1 - Nodo 1 - Asse Y										
Ned = -493.6   Mzeq = 13432.8   Myeq = -230.6   Ss = -132.2 ( 0.039)										
RETTANGOLARE_S003 ( 3) stato limite ultimo - ASTA ( 254- 255) 210										
----- PROGR. 2.										
SOLLECI TAZI ONI :										
Caso	1-1		MZ	MY	MT	N	TZ	TY		
TENSIONI (Sz=0.00) :										
Caso	1-1	si	2	Sx	Tz	Ty	Si			
1-1	si	7	2	-88.5	0.0	45.0	117.9			
1-1	si	7	5	-82.1	0.2	0.0	82.1			
1-1	si	5		-2.3	0.0	54.7	94.8			
----- PROGR. 5.										
SOLLECI TAZI ONI :										
Caso	1-1		MZ	MY	MT	N	TZ	TY		
TENSIONI (Sz=0.00) :										
Caso	1-1	si	2	Sx	Tz	Ty	Si			
1-1	si	7	2	-82.8	0.0	45.0	113.7			
1-1	si	7	5	-77.2	0.2	0.0	77.2			
1-1	si	5		-3.1	0.0	54.8	95.0			
----- PROGR. 7.										
SOLLECI TAZI ONI :										
Caso	1-1		MZ	MY	MT	N	TZ	TY		
TENSIONI (Sz=0.00) :										
Caso	1-1	si	2	Sx	Tz	Ty	Si			
1-1	si	7	2	-77.1	0.0	45.0	109.6			
1-1	si	7	5	-72.3	0.2	0.0	72.3			
1-1	si	5		-3.9	0.0	55.0	95.3			
----- PROGR. 7.										
SOLLECI TAZI ONI :										
Caso	1-1		MZ	MY	MT	N	TZ	TY		
TENSIONI (Sz=0.00) :										
Caso	1-1	si	2	Sx	Tz	Ty	Si			
1-1	si	7	2	-780.1	53.3	1120.7	-349.6	4.4	-269.4	

TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	2	Sx	-71.3	0.0	45.0	105.6		
1-1	si	7	Tz	-67.3	0.2	0.0	67.3		
1-1	si	5	Ty	-4.7	0.0	55.1	95.5		
----- PROGR. 10.									
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
1-1	7136.2			42.4	1120.7	-349.6	4.4	-272.6	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	2	Sx	-65.4	0.0	45.0	101.7		
1-1	si	7	Tz	-62.3	0.2	0.0	62.3		
1-1	si	5	Ty	-5.6	0.0	55.2	95.8		
----- PROGR. 12.									
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
1-1	6455.3			31.5	1120.7	-349.6	4.4	-275.9	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	2	Sx	-59.5	0.0	45.0	98.0		
1-1	si	7	Tz	-57.2	0.2	0.0	57.2		
1-1	si	5	Ty	-6.4	0.0	55.3	96.0		
----- PROGR. 15.									
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
1-1	5766.3			20.7	1120.7	-349.6	4.4	-279.1	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	2	Sx	-53.5	0.0	45.0	94.5		
1-1	si	7	Tz	-52.0	0.2	0.0	52.0		
1-1	si	5	Ty	-7.2	0.0	55.4	96.3		
1-1	si	6	Si	-10.3	0.0	55.4	96.6		
----- PROGR. 17.									
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
5-14	6371.2			1.0	522.7	73.3	3.8	-62.4	
1-1	5069.2			9.8	1120.7	-349.6	4.4	-282.4	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
5-14	si	4	Sx	49.7	0.0	21.0	61.6		
1-1	si	7	Tz	-46.8	0.2	0.0	46.8		
1-1	si	5	Ty	-8.0	0.0	55.6	96.6		
1-1	si	6	Si	-9.5	0.0	55.6	96.7		
----- PROGR. 20.									
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
5-14	6113.2			-8.2	522.7	73.3	3.8	-64.6	
1-1	4364.0			-1.1	1120.7	-349.6	4.4	-285.6	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
5-14	si	3	Sx	48.3	0.0	21.0	60.4		
1-1	si	7	Tz	-41.5	0.2	0.0	41.5		
1-1	si	5	Ty	-8.8	0.0	55.7	96.9		
----- PROGR. 20.									
VERIFICA STABILITA' :									
Z	LO = 20.	Ro = 5.77	Im = 3.4	Ncr= 70036488.5	al fa(c)=0.4900	ki=1.0000			
Y	Lc = 20.	Ro = 0.58	Im = 34.4	Ncr= 700364.9	al fa(c)=0.4900	ki=0.8704			
Caso 1-1 - Nodo 2 - Asse Y									
Ned = -349.6   Mzeq = 9249.1   Myeq = 64.4   Ss = -84.2 ( 0.025)									
RETTANGOLARE_S003 ( 3) stato limite ultimo - ASTA ( 255- 256) 211									
----- PROGR. 0.									
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
5-14	6104.0			-8.2	406.4	35.4	0.4	-167.5	
1-1	4324.1			-1.1	798.8	-211.3	3.0	-319.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
5-14	si	3	Sx	47.3	0.0	16.3	55.1		
1-1	si	7	Tz	-37.7	0.1	0.0	37.7		
1-1	si	5	Ty	-5.4	0.0	44.0	76.4		
----- PROGR. 2.									
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
5-14	5790.2			-9.3	406.4	35.4	0.4	-169.8	
1-1	3527.9			-8.7	798.8	-211.3	3.0	-322.3	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
5-14	si	3	Sx	45.0	0.0	16.3	53.1		
1-1	si	7	Tz	-31.7	0.1	0.0	31.7		
1-1	si	5	Ty	-5.9	0.0	44.1	76.7		
----- PROGR. 5.									
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
5-14	5477.4			-10.4	406.4	35.4	0.4	-172.1	
1-1	2723.7			-16.2	798.8	-211.3	3.0	-325.5	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
5-14	si	3	Sx	42.7	0.0	16.3	51.2		
1-1	si	7	Tz	-25.7	0.1	0.0	25.7		
1-1	si	5	Ty	-6.5	0.0	44.3	76.9		
----- PROGR. 7.									
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
5-14	5165.5			-11.5	406.4	35.4	0.4	-174.4	
1-1	1911.3			-23.8	798.8	-211.3	3.0	-328.8	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
5-14	si	3	Sx	40.5	0.0	16.3	49.4		
1-1	si	7	Tz	-19.6	0.1	0.0	19.6		
1-1	si	5	Ty	-7.1	0.0	44.4	77.2		
----- PROGR. 10.									
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
5-14	4854.3			-13.4	406.4	35.4	0.4	-176.6	
1-1	1091.0			-31.4	798.8	-211.3	3.0	-332.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
5-14	si	3	Sx	38.3	0.0	16.3	47.6		
1-1	si	7	Tz	-13.5	0.1	0.0	13.5		

1-1 | si | 5 | TySi | -7.6 | 0.0 | 44.5 | 77.5 |  
----- PROGR. 12.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5-14	4543.3	-13.4	406.4	35.4	0.4	-178.9
1-1	262.5	-38.9	798.8	-211.3	3.0	-335.3

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-14	si	3	Sx	36.0	0.0	16.3	45.7
1-1	si	7	Tz	-7.3	0.1	0.0	7.3
1-1	si	5	TySi	-8.2	0.0	44.6	77.7

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5-14	4232.0	-14.5	406.4	35.4	0.4	-181.2
1-1	-574.0	-46.5	798.8	-211.3	3.0	-338.5

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-14	si	3	Sx	33.7	0.0	16.3	44.0
1-1	si	7	Tz	-1.0	0.1	0.0	1.0
1-1	si	5	TySi	-8.8	0.0	44.8	78.0

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5-14	3919.8	-15.5	406.4	35.4	0.4	-183.4
1-1	-1418.6	-54.1	798.8	-211.3	3.0	-341.8

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-14	si	3	Sx	31.4	0.0	16.3	42.3
1-1	si	7	Tz	5.4	0.1	0.0	5.4
1-1	si	5	TySi	-9.3	0.0	44.9	78.3

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5-14	3606.2	-16.5	406.4	35.4	0.4	-185.7
1-1	-2271.3	-61.7	798.8	-211.3	3.0	-345.0

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-14	si	3	Sx	29.2	0.0	16.3	40.6
1-1	si	7	Tz	11.8	0.1	0.0	11.8
1-1	si	5	TySi	-9.9	0.0	45.0	78.6

VERI F I CA STABI LI TA` :

Z | LO = 20. | Ro = 5.77 | Im = 3.4 | Ncr = 70036488.5 | al fa(c) = 0.4900 | ki = 1.0000  
 Y | Lc = 20. | Ro = 0.58 | Im = 34.4 | Ncr = 700364.9 | al fa(c) = 0.4900 | ki = 0.8704  
 Caso 5-13 - Nodo 1 - Asse Y  
 Ned = -27.4 | Mzeq = 5906.7 | Myeq = -15.8 | Ss = -46.3 ( 0.014)

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 256- 62 ) 212  
----- PROGR. 0.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5-14	3505.9	-16.5	-396.0	25.0	-13.3	-138.7
1-1	-2621.4	-61.7	-430.8	-73.9	-47.8	-255.8
4-2	316.7	-29.6	1077.6	-95.5	-25.3	-103.3

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-14	si	3	Sx	28.2	0.0	15.9	39.4
1-1	si	7	Tz	17.8	-1.8	0.0	18.1
4-2	si	5	TySi	-4.6	0.0	47.1	81.8

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5-14	3360.0	0.0	-396.0	25.0	-13.3	-139.9
1-1	-2937.8	-2.7	-430.8	-73.9	-47.8	-257.4
4-2	166.2	1.6	1077.6	-95.5	-25.3	-104.5

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-14	si	3	Sx	25.8	0.0	15.9	37.7
1-1	si	7	Tz	20.2	-1.8	0.0	20.4
4-2	si	5	TySi	-2.3	0.0	47.2	81.7
4-2	si	6	Si	-2.5	0.0	47.2	81.7

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-3256.2	56.3	-430.8	-73.9	-47.8	-259.0
4-2	15.0	32.3	1077.6	-95.5	-25.3	-105.6

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	3	Sx	-30.5	0.0	17.3	42.7
1-1	si	7	Tz	22.6	-1.8	0.0	22.8
4-2	si	5	TySi	0.0	0.0	47.2	81.8
4-2	si	6	Si	-4.8	0.0	47.2	81.9

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-3576.6	115.2	-430.8	-73.9	-47.8	-260.6
4-2	-136.9	63.6	1077.6	-95.5	-25.3	-106.7

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	3	Sx	-37.3	0.0	17.3	47.8
1-1	si	7	Tz	25.0	-1.8	0.0	25.2
4-2	si	5	TySi	2.4	0.0	47.3	81.9
4-2	si	6	Si	-7.2	0.0	47.3	82.2

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-3898.9	174.2	-430.8	-73.9	-47.8	-262.2
4-2	-289.5	94.8	1077.6	-95.5	-25.3	-107.9

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	3	Sx	-44.2	0.0	17.3	53.4
1-1	si	7	Tz	27.4	-1.8	0.0	27.6
4-2	si	5	TySi	4.7	0.0	47.3	82.1
4-2	si	6	Si	-9.5	0.0	47.3	82.5

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-4223.3	233.2	-430.8	-73.9	-47.8	-263.9
4-2	-442.9	125.9	1077.6	-95.5	-25.3	-109.0

TENSI ONI (Sz= 0.00) :



Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	-51.0	0.0	17.3	59.1
1- 1	si	7	Tz	29.8	-1.8	0.0	30.0
4- 2	si	5	Ty	7.1	0.0	47.3	82.3
4- 2	si	6	Si	-11.8	0.0	47.3	82.8

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-4549.6	292.1	-430.8	-73.9	-47.8	-265.5
4- 2	-597.2	157.1	1077.6	-95.5	-25.3	-110.1

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	-57.9	0.0	17.3	65.2
1- 1	si	7	Tz	32.3	-1.8	0.0	32.4
4- 2	si	5	Ty	9.4	0.0	47.4	82.6
4- 2	si	6	Si	-14.2	0.0	47.4	83.3

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-4877.9	351.1	-430.8	-73.9	-47.8	-267.1
4- 2	-752.3	188.2	1077.6	-95.5	-25.3	-111.2

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	-64.8	0.0	17.3	71.4
1- 1	si	7	Tz	34.7	-1.8	0.0	34.9
4- 2	si	5	Ty	11.7	0.0	47.4	83.0
4- 2	si	6	Si	-16.5	0.0	47.4	83.8

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-5208.2	410.0	-430.8	-73.9	-47.8	-268.7
4- 2	-908.4	219.4	1077.6	-95.5	-25.3	-112.4

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	-71.7	0.0	17.3	77.7
1- 1	si	7	Tz	37.2	-1.8	0.0	37.3
4- 2	si	5	Ty	14.1	0.0	47.5	83.4
4- 2	si	6	Si	-18.8	0.0	47.5	84.3

VERI F I CA STABI LI TA` :

Z | LO = 10. | Ro = 5.77 | Im = 1.7 | Ncr=284021783.0 | al fa(c )=0.4900 | ki=1.0000  
 Y | Lc = 10. | Ro = 0.58 | Im = 17.1 | Ncr= 2840217.8 | al fa(c )=0.4900 | ki=0.9880  
 Caso 1- 1 - Nodo 3 - Asse Y  
 Ned = -73.9 | Mzeq = -5075.5 | Myeq = 307.5 | Ss = -63.0 ( 0.019)

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 41- 222 ) 213  
 0. PROGR.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-77853.6	-6634.7	7398.0	-646.1	-510.6	1393.9

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-1097.7	0.0	296.9	1212.2
1- 1	si	7	Tz	567.7	-19.1	0.0	568.7
1- 1	si	5	Ty	-513.8	0.0	-349.2	793.6

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-75111.9	-5629.4	7398.0	-646.1	-510.6	1391.3

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-1001.7	0.0	296.9	1126.0
1- 1	si	7	Tz	547.2	-19.1	0.0	548.2
1- 1	si	5	Ty	-438.4	0.0	-349.1	746.8

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-72375.3	-4624.1	7398.0	-646.1	-510.6	1388.7

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-905.8	0.0	296.9	1041.6
1- 1	si	7	Tz	526.7	-19.1	0.0	527.7
1- 1	si	5	Ty	-363.0	0.0	-349.0	705.1

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-69643.7	-3618.8	7398.0	-646.1	-510.6	1386.2

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-809.9	0.0	296.9	959.4
1- 1	si	7	Tz	506.2	-19.1	0.0	507.3
1- 1	si	5	Ty	-287.6	0.0	-348.9	669.2

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-66917.2	-2613.5	7398.0	-646.1	-510.6	1383.6

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-714.0	0.0	296.9	880.0
1- 1	si	7	Tz	485.7	-19.1	0.0	486.9
1- 1	si	5	Ty	-212.2	0.0	-348.8	640.3

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-64195.8	-1608.1	7398.0	-646.1	-510.6	1381.0

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-618.2	0.0	296.9	804.2
1- 1	si	7	Tz	465.3	-19.1	0.0	466.5
1- 1	si	5	Ty	-136.8	0.0	-348.7	619.3

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-61479.4	-602.8	7398.0	-646.1	-510.6	1378.4

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-522.5	0.0	296.9	733.1
1- 1	si	7	Tz	444.9	-19.1	0.0	446.2
1- 1	si	5	Ty	-61.4	0.0	-348.6	606.9

SOLLECI TAZI ONI : PROGR. 14.

Caso	1-1	MZ	MY	MT	N	TZ	TY
TENSI ONI	(Sz=	-58768.2	402.5	7398.0	-646.1	-510.6	1375.9
Caso	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	3	mi	-487.1	0.0	296.9	708.3
1-1	si	7	Si	424.6	-19.1	0.0	425.9
1-1	si	5	Tz	14.0	0.0	-348.5	603.8
							16.

SOLLECI TAZI ONI	:						
Caso	1-1	MZ	MY	MT	N	TZ	TY
TENSI ONI	(Sz=	-56061.9	1407.8	7398.0	-646.1	-510.6	1373.3
Caso	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	3	mi	-542.2	0.0	296.9	747.3
1-1	si	7	Si	404.3	-19.1	0.0	405.7
1-1	si	5	Tz	89.4	0.0	-348.4	610.1
							16.

VERI F I CA STABI LI TA` :

Z	LO =	16.	Ro =	5.77	Im =	2.7	Ncr=	111402942.1	al fa(c )=	0.4900	ki=	1.0000
Y	Lc =	16.	Ro =	0.58	Im =	27.3	Ncr=	1114029.4	al fa(c )=	0.4900	ki=	0.9198
Caso 1-1	- Nodo 4 - Asse Y											
Ned =	-646.1   Mzeq = -77853.6   Myeq = -4976.0   Ss = -974.9 ( 0.288)											

RETTANGOLARE\_S003 ( 3) stato limite ultimo - ASTA ( 222- 224) 214 0.

SOLLECI TAZI ONI	:						
Caso	1-1	MZ	MY	MT	N	TZ	TY
TENSI ONI	(Sz=	-55777.1	1407.8	2822.5	-413.8	81.0	1152.6
Caso	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	3	mi	-534.3	0.0	113.3	569.1
1-1	si	7	Si	408.0	3.0	0.0	408.0
1-1	si	5	Tz	95.2	0.0	-156.5	287.3
							3.

SOLLECI TAZI ONI	:						
Caso	1-1	MZ	MY	MT	N	TZ	TY
TENSI ONI	(Sz=	-52655.6	1188.0	2822.5	-413.8	81.0	1149.0
Caso	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	3	mi	-494.4	0.0	113.3	531.9
1-1	si	7	Si	384.6	3.0	0.0	384.6
1-1	si	5	Tz	78.8	0.0	-156.4	282.1
							5.

SOLLECI TAZI ONI	:						
Caso	1-1	MZ	MY	MT	N	TZ	TY
TENSI ONI	(Sz=	-49543.6	968.2	2822.5	-413.8	81.0	1145.5
Caso	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	3	mi	-454.5	0.0	113.3	495.1
1-1	si	7	Si	361.2	3.0	0.0	361.3
1-1	si	5	Tz	62.3	0.0	-156.2	277.7
							8.

SOLLECI TAZI ONI	:						
Caso	1-1	MZ	MY	MT	N	TZ	TY
TENSI ONI	(Sz=	-46441.4	748.4	2822.5	-413.8	81.0	1141.9
Caso	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	3	mi	-414.8	0.0	113.3	458.9
1-1	si	7	Si	338.0	3.0	0.0	338.0
1-1	si	5	Tz	45.8	0.0	-156.1	274.2
							11.

SOLLECI TAZI ONI	:						
Caso	1-1	MZ	MY	MT	N	TZ	TY
TENSI ONI	(Sz=	-43348.7	528.6	2822.5	-413.8	81.0	1138.4
Caso	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	3	mi	-375.1	0.0	113.3	423.3
1-1	si	7	Si	314.8	3.0	0.0	314.8
1-1	si	5	Tz	29.3	0.0	-156.0	271.7
							14.

SOLLECI TAZI ONI	:						
Caso	1-1	MZ	MY	MT	N	TZ	TY
TENSI ONI	(Sz=	-40265.6	308.8	2822.5	-413.8	81.0	1134.8
Caso	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	3	mi	-335.5	0.0	113.3	388.7
1-1	si	7	Si	291.6	3.0	0.0	291.7
1-1	si	5	Tz	12.8	0.0	-155.8	270.2
							16.

SOLLECI TAZI ONI	:						
Caso	1-1	MZ	MY	MT	N	TZ	TY
TENSI ONI	(Sz=	-37192.2	89.0	2822.5	-413.8	81.0	1131.3
Caso	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	3	mi	-296.0	0.0	113.3	355.1
1-1	si	7	Si	268.6	3.0	0.0	268.6
1-1	si	5	Tz	-3.7	0.0	-155.7	269.7
							19.

SOLLECI TAZI ONI	:						
Caso	1-1	MZ	MY	MT	N	TZ	TY
TENSI ONI	(Sz=	-34128.4	-130.8	2822.5	-413.8	81.0	1127.7
Caso	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	4	mi	-276.1	0.0	113.3	338.7
1-1	si	7	Si	245.6	3.0	0.0	245.7
1-1	si	5	Tz	-20.2	0.0	-155.6	270.2
							22.

SOLLECI TAZI ONI	:						
Caso	1-1	MZ	MY	MT	N	TZ	TY
TENSI ONI	(Sz=	-31074.2	-350.6	2822.5	-413.8	81.0	1124.2
Caso	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	4	mi	-269.7	0.0	113.3	333.5
1-1	si	7	Si	222.7	3.0	0.0	222.8
1-1	si	5	Tz	-36.6	0.0	-155.4	271.7
							22.

VERI F I CA STABI LI TA` :

Z	LO =	22.	Ro =	5.77	Im =	3.8	Ncr=	58686513.4	al fa(c )=	0.4900	ki=	1.0000
Lc =	22.											

Y |Lc = 22. |Ro = 0.58|Im = 37.6|Ncr= 586865.1|alfa(c)=0.4900|ki=0.8475|  
 Caso 1- 1 - Nodo 3 - Asse Y  
 Ned = -413.8|Mzeq = -55777.1|Myeq = 1055.9|Ss = -509.8 ( 0.151)

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 224- 226) 215  
 0.-----PROGR.

SOLLECI TAZI ONI		MZ		MY	MT	N	TZ	TY
Caso	1- 1		-30777.9	-350.6	1198.9	-259.2	-17.9	992.4
TENSIONI (Sz= 0.00) :								
Caso	1- 1	Ve	No	massi	Sx	Tz	Ty	Si
	1- 1	si	4	Sx	-263.6	0.0	48.1	276.5
	1- 1	si	7	Tz	224.4	-0.7	0.0	224.4
	1- 1	si	5	Ty	-32.8	0.0	-85.3	151.4

SOLLECI TAZI ONI		MZ		MY	MT	N	TZ	TY
Caso	1- 1		-28090.9	-302.1	1198.9	-259.2	-17.9	988.8
TENSIONI (Sz= 0.00) :								
Caso	1- 1	Ve	No	massi	Sx	Tz	Ty	Si
	1- 1	si	4	Sx	-239.8	0.0	48.1	253.9
	1- 1	si	7	Tz	204.2	-0.7	0.0	204.2
	1- 1	si	5	Ty	-29.1	0.0	-85.2	150.4

SOLLECI TAZI ONI		MZ		MY	MT	N	TZ	TY
Caso	1- 1		-25413.6	-253.6	1198.9	-259.2	-17.9	985.3
TENSIONI (Sz= 0.00) :								
Caso	1- 1	Ve	No	massi	Sx	Tz	Ty	Si
	1- 1	si	4	Sx	-216.1	0.0	48.1	231.6
	1- 1	si	7	Tz	184.1	-0.7	0.0	184.1
	1- 1	si	5	Ty	-25.5	0.0	-85.1	149.5

SOLLECI TAZI ONI		MZ		MY	MT	N	TZ	TY
Caso	1- 1		-22745.9	-205.1	1198.9	-259.2	-17.9	981.7
TENSIONI (Sz= 0.00) :								
Caso	1- 1	Ve	No	massi	Sx	Tz	Ty	Si
	1- 1	si	4	Sx	-192.5	0.0	48.1	209.7
	1- 1	si	7	Tz	164.1	-0.7	0.0	164.1
	1- 1	si	5	Ty	-21.9	0.0	-84.9	148.7

SOLLECI TAZI ONI		MZ		MY	MT	N	TZ	TY
Caso	1- 1		-20087.8	-156.5	1198.9	-259.2	-17.9	978.2
TENSIONI (Sz= 0.00) :								
Caso	1- 1	Ve	No	massi	Sx	Tz	Ty	Si
	1- 1	si	4	Sx	-168.9	0.0	48.1	188.3
	1- 1	si	7	Tz	144.2	-0.7	0.0	144.2
	1- 1	si	5	Ty	-18.2	0.0	-84.8	148.0

SOLLECI TAZI ONI		MZ		MY	MT	N	TZ	TY
Caso	1- 1		-17439.3	-108.0	1198.9	-259.2	-17.9	974.6
TENSIONI (Sz= 0.00) :								
Caso	1- 1	Ve	No	massi	Sx	Tz	Ty	Si
	1- 1	si	4	Sx	-145.4	0.0	48.1	167.6
	1- 1	si	7	Tz	124.3	-0.7	0.0	124.3
	1- 1	si	5	Ty	-14.6	0.0	-84.7	147.4

SOLLECI TAZI ONI		MZ		MY	MT	N	TZ	TY
Caso	1- 1		-14800.5	-59.5	1198.9	-259.2	-17.9	971.1
TENSIONI (Sz= 0.00) :								
Caso	1- 1	Ve	No	massi	Sx	Tz	Ty	Si
	1- 1	si	4	Sx	-121.9	0.0	48.1	147.7
	1- 1	si	7	Tz	104.5	-0.7	0.0	104.5
	1- 1	si	5	Ty	-10.9	0.0	-84.5	146.8

SOLLECI TAZI ONI		MZ		MY	MT	N	TZ	TY
Caso	1- 1		-12171.3	-11.0	1198.9	-259.2	-17.9	967.5
TENSIONI (Sz= 0.00) :								
Caso	1- 1	Ve	No	massi	Sx	Tz	Ty	Si
	1- 1	si	4	Sx	-98.6	0.0	48.1	129.1
	1- 1	si	7	Tz	84.8	-0.7	0.0	84.8
	1- 1	si	5	Ty	-7.3	0.0	-84.4	146.4

SOLLECI TAZI ONI		MZ		MY	MT	N	TZ	TY
Caso	4- 2		-10907.6	30.9	649.1	-163.1	-11.1	522.1
Caso	1- 1		-9551.7	37.5	1198.9	-259.2	-17.9	964.0
TENSIONI (Sz= 0.00) :								
Caso	4- 2	Ve	No	massi	Sx	Tz	Ty	Si
	1- 1	si	3	Sx	-88.2	0.0	26.1	99.1
	1- 1	si	7	Tz	65.2	-0.7	0.0	65.2
	1- 1	si	5	Ty	-3.7	0.0	-84.3	146.0
	1- 1	si	6	Si	-9.3	0.0	-84.3	146.2

VERI F I C A S T A B I L I T A` :

Z |LO = 22. |Ro = 5.77|Im = 3.8|Ncr= 58686513.4|alfa(c)=0.4900|ki=1.0000|  
 Y |Lc = 22. |Ro = 0.58|Im = 37.6|Ncr= 586865.1|alfa(c)=0.4900|ki=0.8475|  
 Caso 1- 1 - Nodo 4 - Asse Y  
 Ned = -259.2|Mzeq = -26147.5|Myeq = -262.9|Ss = -223.5 ( 0.066)

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 226- 60) 216  
 0.-----PROGR.

SOLLECI TAZI ONI		MZ		MY	MT	N	TZ	TY
Caso	4- 2		-10796.9	30.9	-59.3	-31.3	-16.1	480.9
Caso	1- 1		-9100.8	37.5	-697.2	-108.0	-32.4	802.5
Caso	5- 4		-7385.5	5.1	-1134.2	-59.0	-17.1	452.8
TENSIONI (Sz= 0.00) :								
Caso	4- 2	Ve	No	massi	Sx	Tz	Ty	Si
	1- 1	si	3	Sx	-84.1	0.0	2.4	84.2
	1- 1	si	7	Tz	65.6	-1.2	0.0	65.6
	5- 4	si	5	Ty	-1.1	0.0	-62.5	108.3
	5- 4	si	6	Si	-1.9	0.0	-62.5	108.3

SOLLECI TAZI ONI		MZ		MY	MT	N	TZ	TY
Caso								

4-2	-10078.7	54.2	-59.3	-31.3	-16.1	479.6
1-1	-7928.6	84.9	-697.2	-108.0	-32.4	800.6
5-4	-6729.2	29.2	-1134.2	-59.0	-17.1	451.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-2	si	3	Sx	-80.4	0.0	2.4	80.5
1-1	si	7	Tz	56.8	-1.2	0.0	56.8
5-4	si	5	Ty	0.7	0.0	-62.4	108.2
5-4	si	6	Si	-3.7	0.0	-62.4	108.2

----- PROGR. 3.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-2	-9363.0	78.3	-59.3	-31.3	-16.1	478.2
1-1	-6759.1	132.3	-697.2	-108.0	-32.4	798.7
5-4	-6074.6	56.0	-1134.2	-59.0	-17.1	450.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-2	si	3	Sx	-76.9	0.0	2.4	77.0
1-1	si	7	Tz	48.0	-1.2	0.0	48.0
5-4	si	5	Ty	2.7	0.0	-62.4	108.1
5-4	si	6	Si	-5.7	0.0	-62.4	108.2

----- PROGR. 4.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-2	-8650.0	101.9	-59.3	-31.3	-16.1	476.9
1-1	-5592.5	179.6	-697.2	-108.0	-32.4	796.8
5-4	-5421.8	80.7	-1134.2	-59.0	-17.1	448.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-2	si	3	Sx	-73.3	0.0	2.4	73.4
1-1	si	7	Tz	39.2	-1.2	0.0	39.3
5-4	si	5	Ty	4.6	0.0	-62.3	108.1
5-4	si	6	Si	-7.5	0.0	-62.3	108.3

----- PROGR. 6.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-2	-7939.5	125.5	-59.3	-31.3	-16.1	475.5
1-1	-4428.6	227.0	-697.2	-108.0	-32.4	794.8
5-4	-4770.8	105.5	-1134.2	-59.0	-17.1	447.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-2	si	3	Sx	-69.7	0.0	2.4	69.9
1-1	si	7	Tz	30.5	-1.2	0.0	30.6
5-4	si	5	Ty	6.4	0.0	-62.3	108.1
5-4	si	6	Si	-9.4	0.0	-62.3	108.3

----- PROGR. 7.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-2	-7231.6	149.5	-59.3	-31.3	-16.1	474.2
1-1	-3267.5	274.4	-697.2	-108.0	-32.4	792.9
5-4	-4121.6	130.4	-1134.2	-59.0	-17.1	446.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-2	si	3	Sx	-66.2	0.0	2.4	66.4
1-1	si	7	Tz	21.8	-1.2	0.0	21.9
5-4	si	5	Ty	8.3	0.0	-62.2	108.1
5-4	si	6	Si	-11.3	0.0	-62.2	108.4

----- PROGR. 9.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-2	-6526.2	170.7	-59.3	-31.3	-16.1	472.9
1-1	-2109.3	321.8	-697.2	-108.0	-32.4	791.0
5-4	-3474.2	156.1	-1134.2	-59.0	-17.1	444.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-2	si	3	Sx	-62.5	0.0	2.4	62.7
1-1	si	7	Tz	13.1	-1.2	0.0	13.3
5-4	si	5	Ty	10.2	0.0	-62.2	108.2
5-4	si	6	Si	-13.2	0.0	-62.2	108.5

----- PROGR. 10.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-2	-5823.4	195.3	-59.3	-31.3	-16.1	471.5
1-1	-953.8	369.2	-697.2	-108.0	-32.4	789.1
5-4	-2828.6	180.8	-1134.2	-59.0	-17.1	443.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-2	si	3	Sx	-59.1	0.0	2.4	59.2
1-1	si	7	Tz	4.5	-1.2	0.0	4.9
5-4	si	5	Ty	12.1	0.0	-62.1	108.3
5-4	si	6	Si	-15.0	0.0	-62.1	108.7

----- PROGR. 12.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-2	-5123.0	219.0	-59.3	-31.3	-16.1	470.2
1-1	198.8	416.6	-697.2	-108.0	-32.4	787.2
5-4	-2184.8	205.7	-1134.2	-59.0	-17.1	442.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-2	si	3	Sx	-55.6	0.0	2.4	55.8
1-1	si	7	Tz	-4.2	-1.2	0.0	4.7
5-4	si	5	Ty	13.9	0.0	-62.1	108.5
5-4	si	6	Si	-16.9	0.0	-62.1	108.9

VERIFI CA STABI LI TA` :

Z | LO = 12. | Ro = 5.77 | Im = 2.0 | Ncr=201876633.2 | al fa(c )=0.4900 | ki=1.0000  
 Y | Lc = 12. | Ro = 0.58 | Im = 20.3 | Ncr= 2018766.3 | al fa(c )=0.4900 | ki=0.9668  
 Caso 4-2 - Nodo 3 - Asse Y  
 Ned = -31.3 | Mzeq = -10330.2 | Myeq = 164.3 | Ss = -90.6 ( 0.027)

RETTANGOLARE\_S003 ( 3) stato li mi te ul ti mo - ASTA ( 2- 90) 235  
 ----- PROGR. 0.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-2	63467.5	5388.2	177.8	1344.6	297.7	-29.9
5-16	-10705.6	-5287.6	7509.8	-365.7	-416.4	500.3
1-1	36743.4	1156.5	9141.3	579.4	-96.7	533.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-2	si	4	Sx	913.7	0.0	7.1	913.8
5-16	si	7	Tz	71.1	-15.6	0.0	76.1

1- 1 | si | 5 | Ty | 101.2 | 0.0 | -386.9 | 677.7 |  
-----  
PROGR. 5.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 2	63323.9	4060.9	177.8	1346.5	297.7	-33.6
5-16	-8411.9	-3379.4	7509.8	-363.9	-416.4	496.6
1- 1	39192.1	1603.1	9141.3	582.1	-96.7	527.7

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 2	si	4	Sx	813.2	0.0	7.1	813.3
5-16	si	7	Tz	54.0	-15.6	0.0	60.4
1- 1	si	5	Ty	134.8	0.0	-386.7	683.1

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PROGR. 9.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 2	63163.0	2731.0	177.8	1348.4	297.7	-37.4
5-16	-6136.3	-1470.5	7509.8	-362.0	-416.4	492.8
1- 1	41615.7	2049.8	9141.3	584.8	-96.7	522.3

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 2	si	4	Sx	712.3	0.0	7.1	712.4
5-16	si	7	Tz	37.0	-15.6	0.0	45.8
1- 1	si	5	Ty	168.4	0.0	-386.5	690.2
1- 1	si	4	Si	480.5	0.0	366.9	796.6

-----  
PROGR. 14.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 2	62984.9	1396.4	177.8	1350.3	297.7	-41.2
5-16	-3878.8	439.2	7509.8	-360.1	-416.4	489.0
1- 1	44014.4	2496.4	9141.3	587.5	-96.7	516.9

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 2	si	4	Sx	610.9	0.0	7.1	611.0
5-16	si	7	Tz	20.1	-15.6	0.0	33.7
1- 1	si	5	Ty	201.9	0.0	-386.3	698.8
1- 1	si	4	Si	532.0	0.0	366.9	828.8

-----  
PROGR. 18.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	46388.2	2943.1	9141.3	590.2	-96.7	511.5
5-16	-1639.5	2353.6	7509.8	-358.2	-416.4	485.2

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	583.4	0.0	366.9	862.6
5-16	si	7	Tz	3.3	-15.6	0.0	27.3
1- 1	si	5	Ty	235.5	0.0	-386.1	708.9

-----  
PROGR. 23.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	48737.1	3389.8	9141.3	592.9	-96.7	506.0
5-16	581.6	4269.4	7509.8	-356.3	-416.4	481.5

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	634.6	0.0	366.9	898.0
5-16	si	7	Tz	-13.3	-15.6	0.0	30.1
1- 1	si	5	Ty	269.1	0.0	-385.9	720.4

-----  
PROGR. 28.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 2	62347.8	-2662.2	177.8	1355.9	297.7	-52.5
5-16	2784.2	6187.9	7509.8	-354.4	-416.4	477.7
1- 1	51061.0	3836.4	9141.3	595.6	-96.7	500.6

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 2	si	3	Sx	701.2	0.0	7.1	701.3
5-16	si	7	Tz	-29.7	-15.6	0.0	40.2
1- 1	si	5	Ty	302.6	0.0	-385.6	733.3
1- 1	si	4	Si	685.6	0.0	366.9	934.8

-----  
PROGR. 32.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 2	62101.2	-4029.2	177.8	1357.8	297.7	-56.3
5-16	4968.2	8108.1	7509.8	-352.5	-416.4	473.9
1- 1	53359.9	4283.1	9141.3	598.3	-96.7	495.2

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 2	si	3	Sx	801.9	0.0	7.1	802.0
5-16	si	7	Tz	-46.1	-15.6	0.0	53.4
1- 1	si	5	Ty	336.2	0.0	-385.4	747.5
1- 1	si	4	Si	736.4	0.0	366.9	972.7

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PROGR. 37.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 2	61837.7	-5399.1	177.8	1359.7	297.7	-60.0
5-16	7133.5	10029.0	7509.8	-350.6	-416.4	470.1
1- 1	55633.9	4729.7	9141.3	601.0	-96.7	489.8
4- 8	26200.0	9180.5	6943.4	228.7	-381.0	346.4

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 2	si	3	Sx	902.7	0.0	7.1	902.8
5-16	si	7	Tz	-62.3	-15.6	0.0	67.9
1- 1	si	5	Ty	369.8	0.0	-385.2	762.9
4- 8	si	4	Si	890.8	0.0	278.7	1013.1

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PROGR.

VERIFI CA STABI LI TA` :

Z | LO = 37. | Ro = 5.77 | Im = 6.4 | Ncr= 20257300.8 | al fa(c )=0.4900 | ki=1.0000 |  
 Y | Lc = 37. | Ro = 0.58 | Im = 64.0 | Ncr= 202573.0 | al fa(c )=0.4900 | ki=0.6388 |  
 Caso 4-15 - Nodo 3 - Asse Y  
 Ned = -717.0 | Meq = -18863.8 | Myeq = 7055.8 | Ss = -700.6 ( 0.207 )

RETTANGOLARE\_S003 ( 3 ) stato li mite ul timo - ASTA ( 90- 92) 236  
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 PROGR. 0.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 2	61995.6	4886.3	-325.5	1175.5	275.4	-184.2
5-16	7399.3	-6017.5	2865.5	-42.2	-372.2	280.0
5-12	4141.1	-6015.8	2873.0	-134.6	-371.8	303.4

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 2	si	4	Sx	860.8	0.0	13.1	861.1
5-16	si	7	Tz	-56.6	-14.0	0.0	61.5

5-12 | si | 5 | Ty | -454.6 | 0.0 | -126.7 | 504.7 |  
-----  
PROGR. 5.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 2	61138.1	3615.0	-325.5	1177.4	275.4	-188.0
5-16	8679.0	-4299.4	2865.5	-40.3	-372.2	276.2
5-12	5528.6	-4299.5	2873.0	-132.7	-371.8	299.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
4- 2	si	4	Sx	759.1	0.0	13.1	759.4
5-16	si	7	Tz	-66.1	-14.0	0.0	70.4
5-12	si	5	Ty	-325.8	0.0	-126.5	392.6

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 2	60263.2	2344.0	-325.5	1179.3	275.4	-191.7
5-16	9940.7	-2581.3	2865.5	-38.4	-372.2	272.5
5-12	6898.3	-2583.3	2873.0	-130.9	-371.8	295.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
4- 2	si	4	Sx	657.3	0.0	13.1	657.6
5-16	si	7	Tz	-75.5	-14.0	0.0	79.3
5-12	si	5	Ty	-197.0	0.0	-126.4	294.5

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 2	59371.0	1074.0	-325.5	1181.2	275.4	-195.5
5-16	11184.6	-863.8	2865.5	-36.5	-372.2	268.7
5-12	8250.0	-867.6	2873.0	-129.0	-371.8	292.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
4- 2	si	4	Sx	555.4	0.0	13.1	555.8
5-16	si	7	Tz	-84.8	-14.0	0.0	88.2
5-12	si	5	Ty	-68.3	0.0	-126.3	229.1

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	58654.0	757.6	2641.9	746.3	-103.4	139.3
5-16	12410.4	857.5	2865.5	-34.7	-372.2	264.9
5-12	9583.8	851.9	2873.0	-127.1	-371.8	288.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	515.4	0.0	106.0	547.1
5-16	si	7	Tz	-93.9	-14.0	0.0	97.0
5-12	si	5	Ty	60.7	0.0	-126.1	226.7

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 2	57535.0	-1472.5	-325.5	1184.9	275.4	-203.0
5-16	13618.2	2574.4	2865.5	-32.8	-372.2	261.1
5-12	10899.5	2566.9	2873.0	-125.2	-371.8	284.5
1- 1	59284.8	1235.0	2641.9	749.0	-103.4	133.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
4- 2	si	3	Sx	571.6	0.0	13.1	572.0
5-16	si	7	Tz	-103.0	-14.0	0.0	105.8
5-12	si	5	Ty	189.4	0.0	-126.0	288.9
1- 1	si	4	Si	556.0	0.0	106.0	585.5

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 2	56591.2	-2743.4	-325.5	1186.8	275.4	-206.8
5-16	14807.8	4292.4	2865.5	-30.9	-372.2	257.4
5-12	12197.0	4283.1	2873.0	-123.3	-371.8	280.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
4- 2	si	3	Sx	659.9	0.0	13.1	660.2
5-16	si	7	Tz	-111.8	-14.0	0.0	114.4
5-12	si	5	Ty	318.1	0.0	-125.8	385.6

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 2	55630.3	-4014.7	-325.5	1188.7	275.4	-210.6
5-16	15979.1	6010.5	2865.5	-29.0	-372.2	253.6
5-12	13476.2	5999.4	2873.0	-121.4	-371.8	277.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
4- 2	si	3	Sx	748.0	0.0	13.1	748.4
5-16	si	7	Tz	-120.6	-14.0	0.0	123.0
5-12	si	5	Ty	446.9	0.0	-125.7	497.1

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 2	54652.2	-5286.0	-325.5	1190.6	275.4	-214.4
5-16	17131.9	7728.7	2865.5	-27.1	-372.2	249.8
5-12	14736.8	7715.7	2873.0	-119.5	-371.8	273.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
4- 2	si	3	Sx	836.1	0.0	13.1	836.4
5-16	si	7	Tz	-129.2	-14.0	0.0	131.4
5-12	si	5	Ty	575.7	0.0	-125.5	615.4

## VERIFI CA STABI LI TA` :

Z | LO = 37. | Ro = 5.77 | Im = 6.4 | Ncr = 20257299.9 | al fa(c) = 0.4900 | ki = 1.0000 |  
 Y | Lc = 37. | Ro = 0.58 | Im = 64.0 | Ncr = 202573.0 | al fa(c) = 0.4900 | ki = 0.6388 |  
 Caso 5-16 - Nodo 2 - Asse Y  
 Ned = -42.2 | Mzeq = 16070.9 | Myeq = 5796.5 | Ss = -557.0 ( 0.165 )

RETTANGOLARE\_S003 ( 3 ) stato li mi te ul ti mo - ASTA ( 92- 94 ) 237  
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 PROGR. 0.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 2	54977.8	3701.7	-1131.5	1031.9	228.4	-344.9
4-16	9313.3	-6092.0	551.0	-73.2	-336.8	180.8
5- 5	48608.4	3448.4	-1275.3	797.8	216.4	-287.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
4- 2	si	4	Sx	715.8	0.0	45.4	720.1
4-16	si	7	Tz	-71.7	-12.6	0.0	74.9
5- 5	si	5	Ty	278.6	0.0	62.0	298.5

## PROGR. 5.

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso	1- 1	60620.5	-2055.7	-963.4	877.4	-115.2	-166.4
	4-16	10138.0	-4537.2	551.0	-71.3	-336.8	177.0
	5- 5	47277.4	2449.1	-1275.3	799.7	216.4	-291.1

TENSI ONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	1- 1	630.8	0.0	38.7	634.3
	4-16	-77.8	-12.6	0.0	80.8
	5- 5	203.7	0.0	62.1	230.3

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso	1- 1	59839.9	-1523.9	-963.4	880.1	-115.2	-171.8
	4-16	10945.1	-2982.4	551.0	-69.4	-336.8	173.3
	5- 5	45929.6	1449.9	-1275.3	801.6	216.4	-294.9

TENSI ONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	1- 1	585.1	0.0	38.7	588.9
	4-16	-83.8	-12.6	0.0	86.6
	5- 5	128.8	0.0	62.2	167.9

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso	1- 1	59034.3	-992.1	-963.4	882.8	-115.2	-177.2
	4-16	11734.6	-1427.9	551.0	-67.5	-336.8	169.5
	5- 5	44565.1	450.9	-1275.3	803.5	216.4	-298.7

TENSI ONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	1- 1	539.2	0.0	38.7	543.4
	4-16	-89.7	-12.6	0.0	92.3
	5- 5	53.9	0.0	62.4	120.7

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso	1- 1	58203.8	-460.3	-963.4	885.5	-115.2	-182.6
	4-16	12506.4	128.3	551.0	-65.6	-336.8	165.7
	5- 5	43184.0	-549.5	-1275.3	805.3	216.4	-302.4

TENSI ONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	1- 1	493.2	0.0	38.7	497.7
	4-16	-95.4	-12.6	0.0	97.9
	5- 5	-21.1	0.0	62.5	110.3

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso	4- 2	46806.5	-1572.2	-1131.5	1041.4	228.4	-363.8
	4-16	13260.4	1682.5	551.0	-63.7	-336.8	161.9
	5- 5	41786.7	-1548.2	-1275.3	807.2	216.4	-306.2

TENSI ONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	4- 2	495.0	0.0	45.4	501.2
	4-16	-101.0	-12.6	0.0	103.4
	5- 5	-95.9	0.0	62.7	144.9

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso	4- 2	45121.0	-2626.8	-1131.5	1043.3	228.4	-367.6
	4-16	13996.5	3237.3	551.0	-61.9	-336.8	158.2
	5- 5	40373.5	-2547.4	-1275.3	809.1	216.4	-310.0

TENSI ONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	4- 2	561.5	0.0	45.4	567.0
	4-16	-106.5	-12.6	0.0	108.7
	5- 5	-170.8	0.0	62.8	202.5

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso	4- 2	43418.6	-3681.5	-1131.5	1045.2	228.4	-371.3
	4-16	14714.6	4792.1	551.0	-60.0	-336.8	154.4
	5- 5	38944.7	-3546.7	-1275.3	811.0	216.4	-313.8

TENSI ONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	4- 2	627.9	0.0	45.4	632.8
	4-16	-111.9	-12.6	0.0	114.0
	5- 5	-245.7	0.0	62.9	268.8

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso	4- 8	30432.2	5981.5	641.1	772.5	-318.8	-58.3
	4-16	15414.4	6346.9	551.0	-58.1	-336.8	150.6
	5- 5	37501.3	-4545.9	-1275.3	812.9	216.4	-317.5
	4- 2	41699.7	-4736.1	-1131.5	1047.0	228.4	-375.1

TENSI ONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	4- 8	696.2	0.0	25.7	697.6
	4-16	-117.1	-12.6	0.0	119.1
	5- 5	-320.6	0.0	63.1	338.7
	4- 2	694.1	0.0	45.4	698.6

## VERI F I CA STABI LI TA` :

Z	LO = 37.	Ro = 5.77	Im = 6.4	Ncr= 20257300.8	al fa(c) = 0.4900	ki = 1.0000
Y	Lc = 37.	Ro = 0.58	Im = 64.0	Ncr= 202573.0	al fa(c) = 0.4900	ki = 0.6388
Caso 4-16	- Nodo 2 - Asse Y					
Ned =	-73.2	Mzeq =	15414.4	Myeq =	4760.2	Ss = -475.6 ( 0.141)

RETTANGOLARE\_S003 ( 3) stato limite ultimo - ASTA ( 94- 32) 238  
0. PROGR.

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso	1- 1	55027.5	-5074.8	-5981.5	1028.6	-150.2	-516.9
	4- 7	30278.7	-5973.1	-1598.6	942.0	-295.1	-207.0

TENSI ONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	1- 1	819.0	0.0	240.1	918.5
	4- 7	-203.5	-11.1	0.0	204.4
	1- 1	-354.9	0.0	259.4	572.6

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso	1- 1	53513.4	-4636.2	-5981.5	1030.3	-150.2	-520.3

4-7	29669.3	-5111.5	-1598.6	943.2	-295.1	-209.4
TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi	mi	Sx	Tz
1-1	si	3	Sx	Si	774.8	0.0
4-7	si	7	Tz		-198.9	-11.1
1-1	si	5	Ty		-322.0	0.0

PROGR. 6.

SOLLECI TAZI ONI :						
Caso			MZ	MY	MT	N
1-1			51989.2	-4197.6	-5981.5	1032.0
4-7			29052.7	-4249.9	-1598.6	944.4

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi	mi	Sx	Tz
1-1	si	3	Sx	Si	730.5	0.0
4-7	si	7	Tz		-194.3	-11.1
1-1	si	5	Ty		-289.0	0.0

PROGR. 9.

SOLLECI TAZI ONI :						
Caso			MZ	MY	MT	N
1-1			50455.1	-3759.1	-5981.5	1033.7
4-7			28428.8	-3388.4	-1598.6	945.6

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi	mi	Sx	Tz
1-1	si	3	Sx	Si	686.2	0.0
4-7	si	7	Tz		-189.6	-11.1
1-1	si	5	Ty		-256.1	0.0

PROGR. 12.

SOLLECI TAZI ONI :						
Caso			MZ	MY	MT	N
1-1			48911.0	-3320.5	-5981.5	1035.4
4-7			27797.5	-2527.2	-1598.6	946.8

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi	mi	Sx	Tz
1-1	si	3	Sx	Si	641.8	0.0
4-7	si	7	Tz		-184.8	-11.1
1-1	si	5	Ty		-223.2	0.0

PROGR. 15.

SOLLECI TAZI ONI :						
Caso			MZ	MY	MT	N
1-1			47356.9	-2882.0	-5981.5	1037.2
4-7			27158.5	-1666.6	-1598.6	948.0

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi	mi	Sx	Tz
1-1	si	3	Sx	Si	597.3	0.0
4-7	si	7	Tz		-180.0	-11.1
1-1	si	5	Ty		-190.2	0.0

PROGR. 18.

SOLLECI TAZI ONI :						
Caso			MZ	MY	MT	N
1-1			45792.9	-2443.4	-5981.5	1038.9
4-7			26511.6	-809.1	-1598.6	949.2

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi	mi	Sx	Tz
1-1	si	3	Sx	Si	552.7	0.0
4-7	si	7	Tz		-175.1	-11.1
1-1	si	5	Ty		-157.3	0.0

PROGR. 20.

SOLLECI TAZI ONI :						
Caso			MZ	MY	MT	N
1-1			44218.9	-2004.8	-5981.5	1040.6
4-7			25856.5	27.9	-1598.6	950.4

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi	mi	Sx	Tz
1-1	si	3	Sx	Si	508.0	0.0
4-7	si	7	Tz		-170.2	-11.1
1-1	si	5	Ty		-124.3	0.0

PROGR. 23.

SOLLECI TAZI ONI :						
Caso			MZ	MY	MT	N
1-1			42634.9	-1566.3	-5981.5	1042.3
4-7			25192.3	851.1	-1598.6	951.5

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi	mi	Sx	Tz
1-1	si	3	Sx	Si	463.3	0.0
4-7	si	7	Tz		-165.2	-11.1
1-1	si	5	Ty		-91.4	0.0

VERIFICA STABILITA' : asta tesa per tutti i casi di carico.

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 32- 96) 239  
PROGR. 0.

SOLLECI TAZI ONI :						
Caso			MZ	MY	MT	N
1-1			43219.5	5972.1	11503.9	819.8
4-7			25235.7	3475.0	5331.9	891.6

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi	mi	Sx	Tz
1-1	si	4	Sx	Si	792.6	0.0
4-7	si	7	Tz		-167.0	-8.4
1-1	si	5	Ty		468.4	0.0

PROGR. 2.

SOLLECI TAZI ONI :						
Caso			MZ	MY	MT	N
1-1			43014.7	5914.4	11503.9	820.8
4-7			25203.0	3855.5	5331.9	892.3

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi	mi	Sx	Tz
1-1	si	4	Sx	Si	786.7	0.0
4-7	si	7	Tz		-166.7	-8.4
1-1	si	5	Ty		464.1	0.0

PROGR. 3.

SOLLECI TAZI ONI :						
Caso			MZ	MY	MT	N
1-1			42806.5	5856.6	11503.9	821.8
4-7			25167.6	4236.4	5331.9	893.0

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi	mi	Sx	Tz
1-1	si	4	Sx	Si	780.8	0.0
4-7	si	7	Tz		-166.4	-8.4
1-1	si	5	Ty		459.8	0.0

PROGR. 5.

SOLLECI TAZI ONI :						
Caso			MZ	MY	MT	N
1-1						
4-7						



1- 1		42594.9	5798.8	11503.9	822.8	34.0	-125.7
4- 7		25129.4	4617.5	5331.9	893.7	-224.8	-21.1
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	774.9	0.0	461.7	1113.6
4- 7	si	7	Tz	-166.1	-8.4	0.0	166.8
1- 1	si	5	Ty	455.5	0.0	466.4	927.4
----- PROGR.							
7.							

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		42380.0	5741.1	11503.9	823.8	34.0	-127.7
4- 7		25088.4	4998.6	5331.9	894.4	-224.8	-22.5
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	769.0	0.0	461.7	1109.5
4- 7	si	7	Tz	-165.8	-8.4	0.0	166.4
1- 1	si	5	Ty	451.2	0.0	466.5	925.4
----- PROGR.							
8.							

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		42161.7	5683.3	11503.9	824.8	34.0	-129.6
4- 7		25044.6	5379.9	5331.9	895.1	-224.8	-23.9
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	763.1	0.0	461.7	1105.3
4- 7	si	7	Tz	-165.5	-8.4	0.0	166.1
1- 1	si	5	Ty	446.9	0.0	466.6	923.4
----- PROGR.							
10.							

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		41940.0	5625.6	11503.9	825.8	34.0	-131.6
4- 7		24997.8	5761.2	5331.9	895.8	-224.8	-25.3
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	757.1	0.0	461.7	1101.2
4- 7	si	7	Tz	-165.1	-8.4	0.0	165.7
1- 1	si	5	Ty	442.6	0.0	466.6	921.5
----- PROGR.							
12.							

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		41714.9	5567.8	11503.9	826.8	34.0	-133.6
4- 7		24947.9	6142.5	5331.9	896.5	-224.8	-26.7
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	751.1	0.0	461.7	1097.1
4- 7	si	7	Tz	-164.7	-8.4	0.0	165.3
1- 1	si	5	Ty	438.3	0.0	466.7	919.5
----- PROGR.							
14.							

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		41486.5	5510.0	11503.9	827.7	34.0	-135.6
4- 7		24894.8	6523.8	5331.9	897.2	-224.8	-28.1
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	745.1	0.0	461.7	1093.0
4- 7	si	7	Tz	-164.3	-8.4	0.0	164.9
1- 1	si	5	Ty	433.9	0.0	466.8	917.6

VERI F I C A S T A B I L I T A ` :

Z | LO = 14. | Ro = 5.77 | Im = 2.4 | Ncr=149940567.4 | al fa(c )=0.4900 | ki=1.0000  
 Y | Lc = 14. | Ro = 0.58 | Im = 23.5 | Ncr= 1499405.6 | al fa(c )=0.4900 | ki=0.9452  
 Caso 4-10 - Nodo 1 - Asse Y  
 Ned = -1.2 | Mzeq = 19840.3 | Myeq = -1126.6 | Ss = -233.3 ( 0.069)

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 96- 87) 240  
 ----- PROGR. 0.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
4- 2		27403.3	5114.1	973.3	582.2	265.3	-385.4
4- 1		27206.3	5113.7	969.8	560.5	265.3	-377.8
1- 1		41843.4	3564.6	4046.6	870.8	126.4	-494.1
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 2	si	4	Sx	603.6	0.0	39.1	607.4
4- 1	si	7	Tz	-190.0	9.9	0.0	190.8
1- 1	si	5	Ty	289.1	0.0	180.9	426.4
1- 1	si	4	Si	602.9	0.0	162.4	665.3
----- PROGR.							
5.							

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		39549.8	2980.9	4046.6	873.5	126.4	-499.5
4- 1		25476.0	3888.8	969.8	562.4	265.3	-381.6
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	542.0	0.0	162.4	610.7
4- 1	si	7	Tz	-177.0	9.9	0.0	177.8
1- 1	si	5	Ty	245.4	0.0	181.1	398.3
----- PROGR.							
9.							

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		37231.3	2397.1	4046.6	876.2	126.4	-504.9
4- 1		23739.5	2664.1	969.8	564.3	265.3	-385.3
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	480.9	0.0	162.4	557.1
4- 1	si	7	Tz	-163.9	9.9	0.0	164.8
1- 1	si	5	Ty	201.7	0.0	181.3	373.3
----- PROGR.							
14.							

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		34887.9	1813.4	4046.6	878.9	126.4	-510.3
4- 1		22004.9	1440.1	969.8	566.2	265.3	-389.1
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	419.6	0.0	162.4	505.2
4- 1	si	7	Tz	-150.9	9.9	0.0	151.9
1- 1	si	5	Ty	158.0	0.0	181.5	351.9
----- PROGR.							
18.							

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		32519.5	1229.6	4046.6	881.6	126.4	-515.7

4-1	20282.3	214.0	969.8	568.1	265.3	-392.9
TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
1-1	si	4	Sx	358.2	0.0	162.4
4-1	si	7	Tz	-137.9	9.9	0.0
1-1	si	5	Ty	114.3	0.0	181.7

PROGR. 23.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
4-8	20607.0	1531.8	2454.6	1084.6	-161.5	-222.0
4-1	18043.3	-1011.7	969.8	570.0	265.3	-396.7
1-1	30126.1	645.9	4046.6	884.3	126.4	-521.1

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
4-8	si	4	Sx	296.6	0.0	98.5
4-1	si	7	Tz	-121.1	9.9	0.0
1-1	si	5	Ty	70.6	0.0	181.9
1-1	si	4	Si	296.5	0.0	162.4

PROGR. 28.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
4-8	19532.1	2277.4	2454.6	1086.4	-161.5	-225.8
4-1	16255.0	-2236.4	969.8	571.8	265.3	-400.4
1-1	27707.9	62.2	4046.6	887.0	126.4	-526.5

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
4-8	si	4	Sx	344.5	0.0	98.5
4-1	si	7	Tz	-107.6	9.9	0.0
1-1	si	5	Ty	26.8	0.0	182.1
1-1	si	4	Si	296.5	0.0	162.4

PROGR. 32.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
4-8	18458.2	3023.1	2454.6	1088.3	-161.5	-229.6
4-1	14432.5	-3461.2	969.8	573.7	265.3	-404.2
1-1	25264.7	-521.6	4046.6	889.7	126.4	-531.9

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
4-8	si	4	Sx	392.4	0.0	98.5
4-1	si	7	Tz	-93.9	9.9	0.0
1-1	si	5	Ty	-16.9	0.0	182.4
1-1	si	4	Si	296.5	0.0	162.4

PROGR. 37.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
4-1	12583.5	-4686.1	969.8	575.6	265.3	-408.0
1-1	22796.5	-1105.3	4046.6	892.4	126.4	-537.3
4-8	17378.0	3768.8	2454.6	1090.2	-161.5	-233.4

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
4-1	si	3	Sx	460.2	0.0	38.9
4-1	si	7	Tz	-80.0	9.9	0.0
1-1	si	5	Ty	-60.6	0.0	182.6
4-8	si	4	Si	440.2	0.0	98.5

VERIFI CA STABI LI TA` :

Z | LO = 37. | Ro = 5.77 | Im = 6.4 | Ncr= 20257719.3 | al fa(c)=0.4900 | ki=1.0000  
 Y | Lc = 37. | Ro = 0.58 | Im = 64.0 | Ncr= 202577.2 | al fa(c)=0.4900 | ki=0.6388  
 Caso 4-9 - Nodo 2 - Asse Y  
 Ned = -118.2 | Mzeq = 16829.6 | Myeq = 3610.6 | Ss = -401.8 ( 0.119)

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 87- 3 ) 241  
 0. PROGR.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
1-1	23039.8	3665.9	-1245.3	850.1	225.6	-813.6
4-1	12806.9	4366.1	-2315.1	414.5	284.9	-568.8
4-2	12726.5	4365.2	-2311.7	435.0	284.8	-577.0

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
1-1	si	4	Sx	469.0	0.0	50.0
4-1	si	7	Tz	-85.7	10.7	0.0
4-2	si	5	Ty	338.3	0.0	114.4

PROGR. 4.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
1-1	19446.9	2672.8	-1245.3	852.6	225.6	-818.7
4-1	10322.9	3112.2	-2315.1	416.3	284.9	-572.4
4-2	10206.4	3111.5	-2311.7	436.8	284.8	-580.6

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
1-1	si	4	Sx	367.6	0.0	50.0
4-1	si	7	Tz	-67.0	10.7	0.0
4-2	si	5	Ty	244.3	0.0	114.5

PROGR. 9.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
1-1	15831.4	1679.6	-1245.3	855.2	225.6	-823.9
4-1	7820.4	1858.5	-2315.1	418.1	284.9	-576.0
4-2	7667.8	1858.0	-2311.7	438.6	284.8	-584.2

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
1-1	si	4	Sx	266.1	0.0	50.0
4-1	si	7	Tz	-48.2	10.7	0.0
4-2	si	5	Ty	150.3	0.0	114.7

PROGR. 13.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
1-1	12193.2	686.5	-1245.3	857.8	225.6	-829.0
4-1	5302.5	584.4	-2315.1	419.9	284.9	-579.6
4-2	5113.8	584.1	-2311.7	440.4	284.8	-587.8

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
1-1	si	4	Sx	164.4	0.0	50.0
4-1	si	7	Tz	-29.3	10.7	0.0
4-2	si	5	Ty	54.8	0.0	114.8

PROGR. 18.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
4-7	11315.9	341.0	1019.3	1181.3	-80.2	-357.6
4-1	2771.6	-652.1	-2315.1	421.7	284.9	-583.2
4-2	2546.9	-652.2	-2311.7	442.2	284.8	-591.4

TENSIONI (Sz=0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 7	si	4	Sx	140.0	0.0	40.9	156.9
4- 1	si	7	Tz	-10.2	10.7	0.0	21.1
4- 2	si	5	Ty	-37.9	0.0	115.0	202.7
4- 2	si	6	Si	60.0	0.0	115.0	207.9

----- PROGR. 22.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-10	-3031.2	-1799.4	-2159.6	-198.5	264.6	-481.6
4- 1	230.7	-1905.0	-2315.1	423.5	284.9	-586.8
4- 2	-30.2	-1905.0	-2311.7	444.0	284.8	-595.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-10	si	4	Sx	-162.7	0.0	86.7	221.3
4- 1	si	7	Tz	8.9	10.7	0.0	20.5
4- 2	si	5	Ty	-131.8	0.0	115.1	239.0
4- 2	si	6	Si	154.0	0.0	115.1	251.9

----- PROGR. 26.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 2	-2613.2	-3158.7	-2311.7	445.8	284.8	-598.6
4- 1	-2316.3	-3158.9	-2315.1	425.3	284.9	-590.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 2	si	2	Sx	267.6	0.0	92.8	312.2
4- 1	si	7	Tz	28.0	10.7	0.0	33.6
4- 2	si	5	Ty	-225.8	0.0	115.2	301.3
4- 2	si	6	Si	248.0	0.0	115.2	318.4

----- PROGR. 31.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 2	-5195.9	-4412.5	-2311.7	447.6	284.8	-602.2
4- 1	-4862.8	-4412.8	-2315.1	427.1	284.9	-594.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 2	si	2	Sx	381.1	0.0	92.8	413.6
4- 1	si	7	Tz	47.1	10.7	0.0	50.6
4- 2	si	5	Ty	-319.7	0.0	115.4	377.0

----- PROGR. 35.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 2	-7767.3	-5666.3	-2311.7	449.4	284.8	-605.8
4- 1	-7398.2	-5666.9	-2315.1	428.9	284.9	-597.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 2	si	2	Sx	494.5	0.0	92.8	519.9
4- 1	si	7	Tz	66.2	10.7	0.0	68.7
4- 2	si	5	Ty	-413.7	0.0	115.5	459.6

## VERIFI CA STABI LI TA` :

Z | LO = 35. | Ro = 5.77 | Im = 6.1 | Ncr= 22280588.4 | al fa(c)=0.4900 | ki=1.0000  
 Y | Lc = 35. | Ro = 0.58 | Im = 61.0 | Ncr= 222805.9 | al fa(c)=0.4900 | ki=0.6632  
 Caso 4-10 - Nodo 4 - Asse Y  
 Ned = -207.5 | Mzeq = -7226.5 | Myeq = -3970.7 | Ss = -360.1 ( 0.107)

RETTANGOLARE\_S003 ( 3) stato limite ultimo - ASTA ( 9- 91) 242  
 0. ----- PROGR.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 9	-44575.3	6532.5	-365.4	-1219.8	356.1	618.6
5- 5	-20399.6	7816.6	-275.4	-713.8	426.6	594.6
1- 1	8416.0	5251.6	8962.6	-278.7	127.6	571.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 9	si	3	Sx	-854.7	0.0	14.7	855.1
5- 5	si	7	Tz	135.2	16.0	0.0	138.0
1- 1	si	5	Ty	386.9	0.0	-381.1	765.2

----- PROGR. 5.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 9	-41737.7	4887.9	-365.4	-1217.9	356.1	614.8
5- 5	-17668.1	5847.4	-275.4	-711.9	426.6	590.9
1- 1	11043.8	4662.4	8962.6	-276.0	127.6	566.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 9	si	3	Sx	-710.1	0.0	14.7	710.5
5- 5	si	7	Tz	114.7	16.0	0.0	118.0
1- 1	si	5	Ty	342.8	0.0	-380.9	743.5
1- 1	si	2	Si	-439.4	0.0	359.7	762.4

----- PROGR. 9.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 9	-38917.9	3243.0	-365.4	-1216.0	356.1	611.0
5- 5	-14954.5	3878.5	-275.4	-710.0	426.6	587.1
1- 1	13646.6	4073.2	8962.6	-273.3	127.6	561.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 9	si	3	Sx	-565.5	0.0	14.7	566.1
5- 5	si	7	Tz	94.4	16.0	0.0	98.4
1- 1	si	5	Ty	298.7	0.0	-380.7	723.9
1- 1	si	2	Si	-414.7	0.0	359.7	748.4

----- PROGR. 14.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 9	-36115.8	1597.1	-365.4	-1214.2	356.1	607.3
5- 5	-12259.1	1911.1	-275.4	-708.2	426.6	583.3
1- 1	16224.5	3483.9	8962.6	-270.6	127.6	555.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 9	si	3	Sx	-421.0	0.0	14.7	421.8
5- 5	si	7	Tz	74.2	16.0	0.0	79.2
1- 1	si	5	Ty	254.5	0.0	-380.5	706.6
1- 1	si	2	Si	-389.7	0.0	359.7	734.9

----- PROGR. 18.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 8	39819.0	2114.7	7604.4	448.5	-234.0	246.4
5- 5	-9581.8	-125.6	-275.4	-706.3	426.6	579.5
1- 1	18777.5	2894.7	8962.6	-267.9	127.6	550.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
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4-8	si	4	Sx	468.5	0.0	305.2	706.3					
5-5	si	7	Tz	54.2	16.0	0.0	60.9					
1-1	si	5	Ty	210.4	0.0	-380.3	691.5					
1-1	si	2	Si	-364.6	0.0	359.7	721.9					
-----									PROGR.	23.		
SOLLECI TAZI ONI :												
Caso			MZ	MY	MT	N	TZ	TY				
4-8			40959.1	3380.7	7604.4	450.4	-234.0	242.7				
5-5			-6922.7	-2039.1	-275.4	-704.4	426.6	575.8				
1-1			21305.5	2305.5	8962.6	-265.2	127.6	544.9				
TENSI ONI (Sz= 0.00) :												
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si					
4-8	si	4	Sx	572.0	0.0	305.2	778.9					
5-5	si	7	Tz	34.3	16.0	0.0	44.1					
1-1	si	5	Ty	166.3	0.0	-380.1	679.1					
-----									PROGR.	28.		
SOLLECI TAZI ONI :												
Caso			MZ	MY	MT	N	TZ	TY				
4-8			42082.2	4478.8	7604.4	452.3	-234.0	238.9				
5-5			-4282.1	-4003.1	-275.4	-702.5	426.6	572.0				
1-1			23808.6	1716.3	8962.6	-262.5	127.6	539.5				
TENSI ONI (Sz= 0.00) :												
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si					
4-8	si	4	Sx	662.8	0.0	305.2	847.8					
5-5	si	7	Tz	14.6	16.0	0.0	31.3					
1-1	si	5	Ty	122.2	0.0	-379.9	669.3					
-----									PROGR.	32.		
SOLLECI TAZI ONI :												
Caso			MZ	MY	MT	N	TZ	TY				
4-8			43188.3	5562.5	7604.4	454.1	-234.0	235.1				
5-5			-1660.0	-5971.5	-275.4	-700.6	426.6	568.2				
1-1			26286.7	1127.1	8962.6	-259.8	127.6	534.1				
TENSI ONI (Sz= 0.00) :												
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si					
4-8	si	4	Sx	752.5	0.0	305.2	919.6					
5-5	si	7	Tz	-5.1	16.0	0.0	28.2					
1-1	si	5	Ty	78.0	0.0	-379.7	662.3					
-----									PROGR.	37.		
SOLLECI TAZI ONI :												
Caso			MZ	MY	MT	N	TZ	TY				
4-8			44277.6	6644.3	7604.4	456.0	-234.0	231.3				
5-5			943.4	-7940.5	-275.4	-698.7	426.6	564.4				
1-1			28739.9	537.9	8962.6	-257.1	127.6	528.7				
TENSI ONI (Sz= 0.00) :												
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si					
4-8	si	4	Sx	841.8	0.0	305.2	994.0					
5-5	si	7	Tz	-24.5	16.0	0.0	37.0					
1-1	si	5	Ty	33.9	0.0	-379.5	658.2					
-----												
VERI F I C A S T A B I L I T A` :												
Z	LO =	37.	Ro =	5.77	Im =	6.4	Ncr=	20257300.8	al fa(c)=	0.4900	ki=	1.0000
Y	Lc =	37.	Ro =	0.58	Im =	64.0	Ncr=	202573.0	al fa(c)=	0.4900	ki=	0.6388
Caso 4-9 - Nodo 4 - Asse Y												
Ned = -1219.8   Mzeq = -43392.7   Myeq = -4960.3   Ss = -747.5 ( 0.221)												
RETTANGOLARE_S003 ( 3 ) stato limite ultimo - ASTA ( 91- 93) 243												
-----									PROGR.	0.		
SOLLECI TAZI ONI :												
Caso			MZ	MY	MT	N	TZ	TY				
4-9			-22317.6	6360.6	-615.2	-929.2	356.5	498.9				
4-2			13332.1	7049.3	-377.8	-140.4	393.3	420.5				
5-10			31270.5	-3860.3	2963.0	-5.2	-255.5	213.6				
TENSI ONI (Sz= 0.00) :												
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si					
4-9	si	3	Sx	-667.7	0.0	24.7	669.0					
4-2	si	7	Tz	-103.5	14.7	0.0	106.6					
5-10	si	5	Ty	-289.7	0.0	-126.9	363.6					
-----									PROGR.	5.		
SOLLECI TAZI ONI :												
Caso			MZ	MY	MT	N	TZ	TY				
4-9			-20028.8	4714.3	-615.2	-927.4	356.5	495.1				
4-2			15266.6	5233.8	-377.8	-138.5	393.3	416.7				
5-10			32255.3	-2680.9	2963.0	-3.4	-255.5	209.8				
4-8			44758.4	-2460.7	2780.8	266.8	-233.2	196.7				
TENSI ONI (Sz= 0.00) :												
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si					
4-9	si	3	Sx	-527.0	0.0	24.7	528.7					
4-2	si	7	Tz	-118.0	14.7	0.0	120.7					
5-10	si	5	Ty	-201.2	0.0	-126.8	297.8					
4-8	si	3	Si	526.9	0.0	111.6	561.3					
-----									PROGR.	9.		
SOLLECI TAZI ONI :												
Caso			MZ	MY	MT	N	TZ	TY				
4-8			45664.0	-1383.6	2780.8	268.7	-233.2	193.0				
4-2			17183.5	3418.4	-377.8	-136.6	393.3	412.9				
5-10			33223.4	-1501.5	2963.0	-1.5	-255.5	206.0				
TENSI ONI (Sz= 0.00) :												
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si					
4-8	si	3	Sx	453.0	0.0	111.6	492.5					
4-2	si	7	Tz	-132.3	14.7	0.0	134.7					
5-10	si	5	Ty	-112.6	0.0	-126.6	246.6					
-----									PROGR.	14.		
SOLLECI TAZI ONI :												
Caso			MZ	MY	MT	N	TZ	TY				
4-8			46552.5	-305.8	2780.8	270.6	-233.2	189.2				
4-2			19082.9	1603.8	-377.8	-134.7	393.3	409.2				
5-10			34174.8	-322.1	2963.0	0.4	-255.5	202.2				
TENSI ONI (Sz= 0.00) :												
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si					
4-8	si	3	Sx	378.8	0.0	111.6	425.3					
4-2	si	7	Tz	-146.5	14.7	0.0	148.7					
5-10	si	5	Ty	-24.1	0.0	-126.5	220.4					
-----									PROGR.	18.		
SOLLECI TAZI ONI :												
Caso			MZ	MY	MT	N	TZ	TY				
4-8			47423.9	746.4	2780.8	272.5	-233.2	185.4				
4-2			20964.7	-237.3	-377.8	-132.8	393.3	405.4				
5-10			35109.6	851.1	2963.0	2.3	-255.5	198.5				
TENSI ONI (Sz= 0.00) :												
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si					
4-8	si	4	Sx	418.5	0.0	111.6	461.0					

4-2	si	7	Tz	-160.6	14.7	0.0	162.6
5-10	si	5	Ty	63.9	0.0	-126.4	228.0

----- PROGR. 23.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
4-8			48278.2	1843.8	2780.8	274.3	-233.2	181.6
4-2			22828.9	-2032.2	-377.8	-130.9	393.3	401.6
5-10			36027.9	2036.2	2963.0	4.2	-255.5	194.7

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-8	si	4	Sx	507.2	0.0	111.6	542.8
4-2	si	7	Tz	-174.5	14.7	0.0	176.3
5-10	si	5	Ty	152.8	0.0	-126.2	266.7

----- PROGR. 28.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
4-8			49115.5	2921.8	2780.8	276.2	-233.2	177.9
4-2			24675.4	-3846.7	-377.8	-129.1	393.3	397.8
5-10			36929.8	3215.8	2963.0	6.1	-255.5	190.9

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-8	si	4	Sx	594.4	0.0	111.6	625.0
4-2	si	7	Tz	-188.3	14.7	0.0	190.0
5-10	si	5	Ty	241.3	0.0	-126.1	325.5

----- PROGR. 32.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
4-8			49935.9	3999.0	2780.8	278.1	-233.2	174.1
4-2			26504.1	-5662.1	-377.8	-127.2	393.3	394.1
5-10			37815.7	4395.3	2963.0	8.0	-255.5	187.1

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-8	si	4	Sx	681.4	0.0	111.6	708.3
4-2	si	7	Tz	-202.0	14.7	0.0	203.6
5-10	si	5	Ty	329.8	0.0	-125.9	395.4

----- PROGR. 37.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
4-1			28250.6	-7479.8	-377.5	-140.8	393.3	397.3
4-2			28315.1	-7477.6	-377.8	-125.3	393.3	390.3
5-10			38685.7	5574.7	2963.0	9.9	-255.5	183.4
4-8			50739.3	5076.0	2780.8	280.0	-233.2	170.3

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-1	si	1	Sx	-776.4	0.0	15.1	776.8
4-2	si	7	Tz	-215.5	14.7	0.0	217.0
5-10	si	5	Ty	418.4	0.0	-125.8	471.7
4-8	si	4	Si	768.2	0.0	111.6	792.2

VERIFI CA STABI LI TA` :

Z | LO = 37. | Ro = 5.77 | Im = 6.4 | Ncr= 20257299.9 | al fa(c)=0.4900 | ki=1.0000  
 Y | Lc = 37. | Ro = 0.58 | Im = 64.0 | Ncr= 202573.0 | al fa(c)=0.4900 | ki=0.6388  
 Caso 4-2 - Nodo 1 - Asse Y  
 Ned = -140.4 | Mzeq = 27193.0 | Myeq = -5608.2 | Ss = -630.3 ( 0.186)

RETTANGOLARE\_S003 ( 3) stato limite ultimo - ASTA ( 93- 95) 244  
 ----- PROGR. 0.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
4-2			27988.0	6264.3	-1689.4	152.7	376.3	292.2
4-1			27918.6	6265.1	-1686.9	135.9	376.4	298.4
5-1			16869.2	5952.2	-1779.7	-85.9	360.7	363.1

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-2	si	4	Sx	683.5	0.0	67.8	693.6
4-1	si	7	Tz	-206.0	14.1	0.0	207.4
5-1	si	5	Ty	444.3	0.0	-85.0	468.1

----- PROGR. 5.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
4-8			50796.8	-2724.7	509.3	73.3	-201.0	88.0
4-1			29288.4	4527.4	-1686.9	137.8	376.4	294.7
5-1			18529.9	4286.8	-1779.7	-84.0	360.7	359.3

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-8	si	3	Sx	587.2	0.0	20.4	588.2
4-1	si	7	Tz	-216.2	14.1	0.0	217.6
5-1	si	5	Ty	319.4	0.0	-84.9	351.6

----- PROGR. 9.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
4-8			51200.2	-1796.6	509.3	75.2	-201.0	84.3
4-1			30640.5	2789.6	-1686.9	139.7	376.4	290.9
5-1			20172.2	2621.4	-1779.7	-82.1	360.7	355.5

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-8	si	3	Sx	520.6	0.0	20.4	521.8
4-1	si	7	Tz	-226.3	14.1	0.0	227.6
5-1	si	5	Ty	194.6	0.0	-84.8	243.7

----- PROGR. 14.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
4-8			51586.6	-868.5	509.3	77.1	-201.0	80.5
4-1			31974.9	1052.0	-1686.9	141.6	376.4	287.1
5-1			21795.8	956.2	-1779.7	-80.2	360.7	351.7

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-8	si	3	Sx	454.0	0.0	20.4	455.3
4-1	si	7	Tz	-236.3	14.1	0.0	237.5
5-1	si	5	Ty	69.7	0.0	-84.6	162.3

----- PROGR. 18.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			48004.8	-574.6	-1323.9	-57.2	146.1	232.1
4-1			33291.4	-686.4	-1686.9	143.5	376.4	283.3
5-1			23400.5	-710.2	-1779.7	-78.3	360.7	348.0

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-404.6	0.0	53.1	414.9
4-1	si	7	Tz	-246.1	14.1	0.0	247.3
5-1	si	5	Ty	-55.2	0.0	-84.5	156.4

----- PROGR. 23.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
4- 7		52384.0	986.6	511.8	64.0	-200.9	79.2
4- 1		34590.1	-2424.0	-1686.9	145.4	376.4	279.6
5- 1		24985.8	-2375.2	-1779.7	-76.5	360.7	344.2
1- 1		49063.9	-1249.0	-1323.9	-54.5	146.1	226.7
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 7	si	4	Sx	468.5	0.0	20.5	469.8
4- 1	si	7	Tz	-255.8	14.1	0.0	257.0
5- 1	si	5	Ty	-180.1	0.0	-84.3	231.9
1- 1	si	1	Si	-463.0	0.0	53.1	472.1

----- PROGR. 28.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
4- 1		35870.7	-4161.8	-1686.9	147.3	376.4	275.8
5- 1		26551.3	-4040.6	-1779.7	-74.6	360.7	340.4
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 1	si	3	Sx	584.8	0.0	67.7	596.5
4- 1	si	7	Tz	-265.3	14.1	0.0	266.5
5- 1	si	5	Ty	-304.9	0.0	-84.2	338.0

----- PROGR. 32.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
4- 1		37133.0	-5899.5	-1686.9	149.2	376.4	272.0
5- 1		28096.3	-5706.0	-1779.7	-72.7	360.7	336.6
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 1	si	3	Sx	724.7	0.0	67.7	734.1
4- 1	si	7	Tz	-274.8	14.1	0.0	275.9
5- 1	si	5	Ty	-429.8	0.0	-84.1	453.8

----- PROGR. 37.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
4- 1		38376.8	-7637.3	-1686.9	151.0	376.4	268.2
5- 1		29619.8	-7371.5	-1779.7	-70.8	360.7	332.9
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 1	si	3	Sx	864.4	0.0	67.7	872.3
4- 1	si	7	Tz	-284.0	14.1	0.0	285.1
5- 1	si	5	Ty	-554.6	0.0	-83.9	573.4

----- VERIFI CA STABI LI TA` :

Z	LO = 37.	Ro = 5.77	Im = 6.4	Ncr = 20257300.8	al fa(c) = 0.4900	ki = 1.0000
Y	Lc = 37.	Ro = 0.58	Im = 64.0	Ncr = 202573.0	al fa(c) = 0.4900	ki = 0.6388
Caso 5- 1	- Nodo 1 - Asse Y					
Ned =	-85.9	Mzeq = 29619.8	Myeq = -5528.6	Ss = -640.3	( 0.189)	

RETTANGOLARE\_S003 ( 3) stato limite ultimo - ASTA ( 95- 35) 245 0.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
4- 1		37982.9	5267.7	-5287.1	335.7	412.6	200.4
1- 1		51696.2	501.1	-7463.0	31.2	181.1	103.5
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 1	si	4	Sx	688.3	0.0	212.2	780.3
4- 1	si	7	Tz	-276.5	15.5	0.0	277.8
1- 1	si	5	Ty	38.4	0.0	-303.4	526.9

----- PROGR. 3.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
4- 7		53144.3	-3142.5	-2124.3	-52.9	-162.1	-6.8
4- 1		38563.3	4063.0	-5287.1	336.9	412.6	198.0
1- 1		51993.4	-27.6	-7463.0	32.9	181.1	100.1
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 7	si	1	Sx	-635.6	0.0	85.3	652.5
4- 1	si	7	Tz	-280.8	15.5	0.0	282.1
1- 1	si	5	Ty	-1.2	0.0	-303.3	525.3
4- 1	si	4	Si	602.4	0.0	212.2	705.6

----- PROGR. 6.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
4- 7		53127.8	-2669.0	-2124.3	-51.7	-162.1	-9.2
4- 1		39136.1	2858.4	-5287.1	338.1	412.6	195.6
1- 1		52280.6	-556.3	-7463.0	34.6	181.1	96.7
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 7	si	1	Sx	-599.9	0.0	85.3	617.8
4- 1	si	7	Tz	-285.1	15.5	0.0	286.3
1- 1	si	5	Ty	-40.9	0.0	-303.1	526.6
1- 1	si	3	Si	434.7	0.0	299.5	676.8

----- PROGR. 9.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
4- 7		53105.0	-2195.3	-2124.3	-50.5	-162.1	-11.6
4- 1		39701.3	1654.0	-5287.1	339.3	412.6	193.2
1- 1		52557.8	-1085.0	-7463.0	36.3	181.1	93.2
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 7	si	1	Sx	-564.2	0.0	85.3	583.2
4- 1	si	7	Tz	-289.3	15.5	0.0	290.5
1- 1	si	5	Ty	-80.5	0.0	-303.0	531.0
1- 1	si	3	Si	476.5	0.0	299.5	704.4

----- PROGR. 12.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
4- 7		53076.2	-1742.9	-2124.3	-49.3	-162.1	-13.9
4- 1		40258.7	428.3	-5287.1	340.5	412.6	190.9
1- 1		52825.0	-1613.7	-7463.0	38.0	181.1	89.8
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 7	si	1	Sx	-530.0	0.0	85.3	550.2
4- 1	si	7	Tz	-293.4	15.5	0.0	294.7
1- 1	si	5	Ty	-120.1	0.0	-302.9	538.2
1- 1	si	3	Si	518.2	0.0	299.5	733.2

----- PROGR. 15.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY	
1- 1	53082.3	-2142.5	-7463.0	39.7	181.1	86.4	
4- 1	40808.1	-756.5	-5287.1	341.7	412.6	188.5	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	559.8	0.0	299.5	763.2
4- 1	si	7	Tz	-297.5	15.5	0.0	298.7
1- 1	si	5	Ty	-159.7	0.0	-302.8	548.2
----- PROGR.							18.
SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	53329.6	-2671.2	-7463.0	41.4	181.1	83.0	
4- 1	41349.0	-1961.7	-5287.1	342.9	412.6	186.1	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	601.3	0.0	299.5	794.2
4- 1	si	7	Tz	-301.5	15.5	0.0	302.7
1- 1	si	5	Ty	-199.3	0.0	-302.6	560.8
----- PROGR.							20.
SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	53566.9	-3199.9	-7463.0	43.1	181.1	79.6	
4- 1	41880.9	-3166.3	-5287.1	344.1	412.6	183.7	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	642.8	0.0	299.5	826.0
4- 1	si	7	Tz	-305.5	15.5	0.0	306.7
1- 1	si	5	Ty	-238.9	0.0	-302.5	575.8
----- PROGR.							23.
SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	53794.3	-3728.6	-7463.0	44.8	181.1	76.2	
4- 1	42403.1	-4370.9	-5287.1	345.2	412.6	181.3	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	684.2	0.0	299.5	858.7
4- 1	si	7	Tz	-309.4	15.5	0.0	310.6
1- 1	si	5	Ty	-278.5	0.0	-302.4	593.2
----- PROGR.							
VERIFI CA STABI LI TA` :							
Z	LO = 23.	Ro = 5.77	Im = 4.0	Ncr= 50646140.4	al fa(c) =0.4900	ki=1.0000	
Y	Lc = 23.	Ro = 0.58	Im = 40.5	Ncr= 506461.4	al fa(c) =0.4900	ki=0.8263	
Caso 4- 7 - Nodo 1 - Asse Y							
Ned = -54.1   Mzeq = 53154.6   Myeq = -2712.0   Ss = -603.7 ( 0.179)							
RETTANGOLARE_S003 ( 3) stato limite ultimo - ASTA ( 35- 97) 246							
----- PROGR.							0.
SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	58445.6	5807.2	13770.4	-16.6	456.0	36.8	
4- 1	44845.0	2048.4	7412.3	312.0	553.4	134.6	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-874.3	0.0	552.7	1296.4
4- 1	si	7	Tz	-328.5	20.8	0.0	330.5
1- 1	si	5	Ty	435.1	0.0	-554.0	1053.7
----- PROGR.							2.
SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	58506.3	5033.5	13770.4	-15.6	456.0	34.8	
4- 1	45078.3	1110.6	7412.3	312.7	553.4	133.2	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-816.7	0.0	552.7	1258.3
4- 1	si	7	Tz	-330.3	20.8	0.0	332.2
1- 1	si	5	Ty	377.1	0.0	-554.0	1030.9
----- PROGR.							3.
SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	58563.6	4259.7	13770.4	-14.6	456.0	32.8	
4- 1	45308.8	92.0	7412.3	313.4	553.4	131.8	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-759.1	0.0	552.7	1221.7
4- 1	si	7	Tz	-332.0	20.8	0.0	333.9
1- 1	si	5	Ty	319.1	0.0	-553.9	1011.0
----- PROGR.							5.
SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	58617.6	3485.9	13770.4	-13.6	456.0	30.8	
4- 1	45536.4	-778.1	7412.3	314.1	553.4	130.4	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-701.4	0.0	552.7	1186.7
4- 1	si	7	Tz	-333.7	20.8	0.0	335.6
1- 1	si	5	Ty	261.1	0.0	-553.8	994.1
----- PROGR.							7.
SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
4- 7	55712.2	3592.8	6142.6	-114.7	-59.0	0.4	
4- 1	45761.0	-1712.1	7412.3	314.8	553.4	129.0	
1- 1	58668.2	2712.1	13770.4	-12.6	456.0	28.8	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 7	si	2	Sx	-690.2	0.0	246.5	811.6
4- 1	si	7	Tz	-335.3	20.8	0.0	337.3
1- 1	si	5	Ty	203.1	0.0	-553.7	980.4
1- 1	si	2	Si	-643.7	0.0	552.7	1153.6
----- PROGR.							8.
SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
4- 7	55731.8	3694.0	6142.6	-114.0	-59.0	-0.9	
4- 1	45982.4	-2650.0	7412.3	315.5	553.4	127.6	
1- 1	58715.5	1938.3	13770.4	-11.6	456.0	26.8	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 7	si	2	Sx	-697.9	0.0	246.5	818.2
4- 1	si	7	Tz	-337.0	20.8	0.0	338.9
1- 1	si	5	Ty	145.1	0.0	-553.7	969.9
1- 1	si	2	Si	-586.0	0.0	552.7	1122.4
----- PROGR.							10.

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso							
4- 7		55750.1	3794.5	6142.6	-113.3	-59.0	-2.3
4- 1		46200.5	-3588.6	7412.3	316.2	553.4	126.2
1- 1		58759.3	1164.6	13770.4	-10.6	456.0	24.9

TENSIONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	Ve No	massi mi			
4- 7	si 2	Sx	-705.5	0.0	246.5
4- 1	si 7	Tz	-338.6	20.8	0.0
1- 1	si 5	Ty	87.1	0.0	-553.6
1- 1	si 2	Si	-528.3	0.0	552.7

12.

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso							
4- 7		55767.5	3894.8	6142.6	-112.6	-59.0	-3.7
4- 1		46415.2	-4527.4	7412.3	316.9	553.4	124.8
1- 1		58799.8	390.8	13770.4	-9.6	456.0	22.9

TENSIONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	Ve No	massi mi			
4- 7	si 2	Sx	-713.2	0.0	246.5
4- 1	si 7	Tz	-340.2	20.8	0.0
1- 1	si 5	Ty	29.1	0.0	-553.5
1- 1	si 2	Si	-470.5	0.0	552.7

14.

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso							
4- 1		47534.6	-5466.4	7412.3	317.6	553.4	123.5
1- 1		58837.0	-383.0	13770.4	-8.7	456.0	20.9

TENSIONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	Ve No	massi mi			
4- 1	si 3	Sx	774.4	0.0	297.5
4- 1	si 7	Tz	-348.6	20.8	0.0
1- 1	si 5	Ty	-28.9	0.0	-553.4
1- 1	si 1	Si	-470.2	0.0	552.7

1066.6

## VERIFI CA STABI LI TA` :

Z	LO = 14.	Ro = 5.77	Im = 2.4	Ncr=149940567.4	al fa(c)=0.4900	ki=1.0000
Y	Lc = 14.	Ro = 0.58	Im = 23.5	Ncr= 1499405.6	al fa(c)=0.4900	ki=0.9452
Caso 1- 1	- Nodo 2 - Asse Y					
Ned =	-16.6	Mzeq = 58837.0	Myeq = 4355.4	Ss = -768.4	( 0.227)	

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 97- 88) 247  
0. PROGR.

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso							
1- 1		58480.1	8274.8	5098.9	158.1	363.6	-40.3
4- 1		46286.6	8379.1	1986.7	530.5	424.6	86.1

TENSIONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	Ve No	massi mi			
1- 1	si 4	Sx	1063.2	0.0	204.6
4- 1	si 7	Tz	-333.9	15.9	0.0
1- 1	si 5	Ty	624.6	0.0	206.1

1120.7

335.0

719.4

PROGR.

5.

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso							
1- 1		58281.6	6596.3	5098.9	160.8	363.6	-45.7
4- 1		47459.9	6418.7	1986.7	532.4	424.6	82.3

TENSIONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	Ve No	massi mi			
1- 1	si 4	Sx	935.9	0.0	204.6
4- 1	si 7	Tz	-342.6	15.9	0.0
1- 1	si 5	Ty	498.7	0.0	206.4

1000.7

343.7

613.6

PROGR.

9.

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso							
1- 1		58058.2	4917.7	5098.9	163.5	363.6	-51.1
4- 1		47698.9	4458.3	1986.7	534.3	424.6	78.6

TENSIONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	Ve No	massi mi			
1- 1	si 4	Sx	808.4	0.0	204.6
4- 1	si 7	Tz	-344.4	15.9	0.0
1- 1	si 5	Ty	372.9	0.0	206.6

882.6

345.5

516.8

PROGR.

14.

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso							
1- 1		57809.8	3239.2	5098.9	166.2	363.6	-56.5
4- 1		47948.0	2498.1	1986.7	536.1	424.6	74.8

TENSIONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	Ve No	massi mi			
1- 1	si 4	Sx	680.7	0.0	204.6
4- 1	si 7	Tz	-346.2	15.9	0.0
1- 1	si 5	Ty	247.1	0.0	206.8

767.4

347.3

435.1

PROGR.

18.

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso							
1- 1		57536.5	1560.6	5098.9	168.9	363.6	-61.9
4- 1		48213.5	537.7	1986.7	538.0	424.6	71.0

TENSIONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	Ve No	massi mi			
1- 1	si 4	Sx	552.8	0.0	204.6
4- 1	si 7	Tz	-348.2	15.9	0.0
1- 1	si 5	Ty	121.3	0.0	207.0

656.7

349.2

378.4

PROGR.

23.

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso							
4- 7		53711.6	1176.6	2865.0	-187.9	-56.8	-84.1
4- 1		48493.1	-1425.0	1986.7	539.9	424.6	67.2
1- 1		57238.3	-117.9	5098.9	171.6	363.6	-67.3

TENSIONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	Ve No	massi mi			
4- 7	si 2	Sx	-495.8	0.0	115.0
4- 1	si 7	Tz	-350.2	15.9	0.0
1- 1	si 5	Ty	-4.6	0.0	207.2
1- 1	si 3	Si	442.4	0.0	204.6

534.3

351.3

358.8

566.9

PROGR.

28.

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso							
4- 1		48778.7	-3384.5	1986.7	541.8	424.6	63.5
1- 1		56915.1	-1796.4	5098.9	174.3	363.6	-72.7

TENSIONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	Ve No	massi mi			



4-1	si	3	Sx	633.2	0.0	79.7	648.1
4-1	si	7	Tz	-352.3	15.9	0.0	353.4
1-1	si	5	Ty	-130.4	0.0	207.4	382.1
1-1	si	3	Si	566.0	0.0	204.6	667.8

----- PROGR. 32.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
4-1			49062.1	-5344.8	1986.7	543.7	424.6	59.7
1-1			56567.0	-3475.0	5098.9	177.0	363.6	-78.1

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi	Sx	Tz	Ty	Si
4-1	si	3	Sx	782.4	0.0	79.7	794.5
4-1	si	7	Tz	-354.4	15.9	0.0	355.4
1-1	si	5	Ty	-256.2	0.0	207.6	441.5

----- PROGR. 37.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
4-1			49337.7	-7305.2	1986.7	545.6	424.6	55.9
1-1			56193.9	-5153.5	5098.9	179.7	363.6	-83.5

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi	Sx	Tz	Ty	Si
4-1	si	3	Sx	931.6	0.0	79.7	941.7
4-1	si	7	Tz	-356.4	15.9	0.0	357.5
1-1	si	5	Ty	-382.0	0.0	207.8	524.8

## ----- VERIFICAZIONE STABILITÀ -----

Z | LO = 37. | Ro = 5.77 | Im = 6.4 | Ncr = 20257719.3 | al fa(c) = 0.4900 | ki = 1.0000  
 Y | Lc = 37. | Ro = 0.58 | Im = 64.0 | Ncr = 202577.2 | al fa(c) = 0.4900 | ki = 0.6388  
 Caso 4-9 - Nodo 2 - Asse Y  
 Ned = -91.4 | Mzeq = 24327.7 | Myeq = 5513.9 | Ss = -599.8 ( 0.177)

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 88- 10) 248  
 0. ----- PROGR.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			55950.6	5334.2	1747.6	426.1	264.4	-215.3
4-1			49116.5	5703.7	-1166.4	779.1	338.9	-2.9
4-16			27052.9	-1149.9	2761.0	-794.0	-117.0	-104.4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	4	Sx	830.3	0.0	70.1	839.2
4-1	si	7	Tz	-348.9	12.7	0.0	349.6
4-16	si	5	Ty	-106.1	0.0	114.7	225.3

----- PROGR. 4.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			54991.5	4170.2	1747.6	428.7	264.4	-220.4
4-1			49102.0	4211.7	-1166.4	780.9	338.9	-6.5
4-16			26579.1	-634.9	2761.0	-792.2	-117.0	-108.0

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	4	Sx	735.9	0.0	70.1	745.9
4-1	si	7	Tz	-348.7	12.7	0.0	349.4
4-16	si	5	Ty	-67.4	0.0	114.9	210.1

----- PROGR. 9.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			54009.8	3006.1	1747.6	431.2	264.4	-225.6
4-1			49077.1	2719.9	-1166.4	782.7	338.9	-10.1
4-16			26083.9	-120.1	2761.0	-790.4	-117.0	-111.6

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	4	Sx	641.3	0.0	70.1	652.7
4-1	si	7	Tz	-348.5	12.7	0.0	349.2
4-16	si	5	Ty	-28.8	0.0	115.0	201.2

----- PROGR. 13.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			53005.3	1842.1	1747.6	433.8	264.4	-230.7
4-1			49040.4	1230.1	-1166.4	784.5	338.9	-13.7
4-16			25568.9	392.6	2761.0	-788.6	-117.0	-115.2

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	4	Sx	546.5	0.0	70.1	559.9
4-1	si	7	Tz	-348.2	12.7	0.0	348.9
4-16	si	5	Ty	9.7	0.0	115.1	199.6

----- PROGR. 18.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			51978.2	678.1	1747.6	436.4	264.4	-235.9
4-1			48990.9	-267.6	-1166.4	786.3	338.9	-17.3
4-16			25035.0	913.3	2761.0	-786.8	-117.0	-118.8
4-7			49197.7	834.6	2430.6	-209.2	-71.7	-211.1

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	4	Sx	451.6	0.0	70.1	467.7
4-1	si	7	Tz	-347.8	12.7	0.0	348.5
4-16	si	5	Ty	48.8	0.0	115.3	205.5
4-7	si	2	Si	-436.8	0.0	97.5	468.3

----- PROGR. 22.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
4-1			48928.0	-1758.0	-1166.4	788.1	338.9	-20.9
4-16			24482.8	1426.8	2761.0	-785.0	-117.0	-122.4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi	Sx	Tz	Ty	Si
4-1	si	3	Sx	518.5	0.0	46.8	524.8
4-1	si	7	Tz	-347.3	12.7	0.0	348.0
4-16	si	5	Ty	87.4	0.0	115.4	218.1

----- PROGR. 26.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
4-1			48851.3	-3249.9	-1166.4	789.9	338.9	-24.5
4-16			23912.6	1941.6	2761.0	-783.2	-117.0	-126.0

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi	Sx	Tz	Ty	Si
4-1	si	3	Sx	629.9	0.0	46.8	635.1
4-1	si	7	Tz	-346.6	12.7	0.0	347.3
4-16	si	5	Ty	126.0	0.0	115.5	236.5

----- PROGR. 31.

## ----- SOLLECI TAZI ONI -----

Caso	MZ	MY	MT	N	TZ	TY	
4- 1	48760.7	-4741.9	-1166.4	791.7	338.9	-28.1	
4-16	23324.8	2456.6	2761.0	-781.4	-117.0	-129.6	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 1	si	3	Sx	741.1	0.0	46.8	745.6
4- 1	si	7	Tz	-345.9	12.7	0.0	346.6
4-16	si	5	Ty	164.7	0.0	115.7	259.4

Caso	MZ	MY	MT	N	TZ	TY	
4- 1	48655.9	-6233.9	-1166.4	793.5	338.9	-31.7	
4-16	22719.4	2971.6	2761.0	-779.6	-117.0	-133.2	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 1	si	3	Sx	852.3	0.0	46.8	856.2
4- 1	si	7	Tz	-345.1	12.7	0.0	345.8
4-16	si	5	Ty	203.4	0.0	115.8	285.7

VERIFICAZIONE STABILITÀ :

Z	LO = 35.	Ro = 5.77	Im = 6.1	Ncr= 22280588.4	alfa(c) = 0.4900	ki = 1.0000
Y	Lc = 35.	Ro = 0.58	Im = 61.0	Ncr= 222805.9	alfa(c) = 0.4900	ki = 0.6632
Caso 4- 7 - Nodo 2 - Asse Y						
Ned =	-216.4	Mzeq = 52639.9	Myeq = 1573.6	Ss = -521.1	( 0.154)	

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 27- 281 ) 249 0.

Caso	MZ	MY	MT	N	TZ	TY	
4-15	991.5	-37737.5	-658.0	5113.0	-1812.1	-35.9	
1- 1	1291.5	-31807.3	-3530.4	2346.7	-1568.1	104.7	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-15	si	3	Sx	2965.6	0.0	26.4	2965.9
4-15	si	7	Tz	120.4	-68.0	0.0	168.4
1- 1	si	5	Ty	-2326.9	0.0	-145.6	2340.5

Caso	MZ	MY	MT	N	TZ	TY	
4-15	811.5	-28360.7	-658.0	5110.9	-1812.1	-40.2	
1- 1	1817.4	-23693.0	-3530.4	2343.7	-1568.1	98.6	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-15	si	3	Sx	2260.9	0.0	26.4	2261.4
4-15	si	7	Tz	121.7	-68.0	0.0	169.3
1- 1	si	5	Ty	-1718.4	0.0	-145.4	1736.7

Caso	MZ	MY	MT	N	TZ	TY	
4-15	591.9	-18984.2	-658.0	5108.7	-1812.1	-44.4	
1- 1	2312.1	-15578.6	-3530.4	2340.7	-1568.1	92.6	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-15	si	3	Sx	1556.0	0.0	26.4	1556.6
4-15	si	7	Tz	123.3	-68.0	0.0	170.4
1- 1	si	5	Ty	-1109.9	0.0	-145.2	1138.0

Caso	MZ	MY	MT	N	TZ	TY	
4- 7	-263.7	-9608.5	-509.6	5755.5	-1781.2	-88.9	
4-15	350.9	-9477.8	-658.0	5106.6	-1812.1	-48.6	
1- 1	2775.4	-7464.3	-3530.4	2337.6	-1568.1	86.5	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 7	si	2	Sx	866.5	0.0	20.5	867.2
4-15	si	7	Tz	125.0	-68.0	0.0	171.7
1- 1	si	5	Ty	-501.4	0.0	-144.9	560.7

Caso	MZ	MY	MT	N	TZ	TY	
5- 7	7251.6	826.6	-2725.6	-4070.1	495.1	327.6	
4-15	88.2	-222.9	-658.0	5104.5	-1812.1	-52.9	
1- 1	3207.3	650.0	-3530.4	2334.6	-1568.1	80.5	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5- 7	si	2	Sx	-218.1	0.0	109.4	288.9
4-15	si	7	Tz	127.0	-68.0	0.0	173.1
1- 1	si	5	Ty	107.1	0.0	-144.7	272.6

Caso	MZ	MY	MT	N	TZ	TY	
4- 7	-1227.1	8952.4	-509.6	5751.3	-1781.2	-97.4	
4-15	-196.3	9148.7	-658.0	5102.4	-1812.1	-57.1	
1- 1	3608.0	8764.3	-3530.4	2331.6	-1568.1	74.4	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 7	si	1	Sx	824.4	0.0	20.5	825.2
4-15	si	7	Tz	129.0	-68.0	0.0	174.7
1- 1	si	5	Ty	715.6	0.0	-144.5	758.1

Caso	MZ	MY	MT	N	TZ	TY	
4-15	-502.7	18525.0	-658.0	5100.3	-1812.1	-61.3	
1- 1	3977.3	16878.7	-3530.4	2328.6	-1568.1	68.3	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-15	si	1	Sx	1520.7	0.0	26.4	1521.3
4-15	si	7	Tz	131.3	-68.0	0.0	176.3
1- 1	si	5	Ty	1324.1	0.0	-144.2	1347.5

Caso	MZ	MY	MT	N	TZ	TY	
4-15	-831.0	27901.6	-658.0	5098.2	-1812.1	-65.5	
1- 1	4315.3	24993.0	-3530.4	2325.5	-1568.1	62.3	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-15	si	1	Sx	2226.3	0.0	26.4	2226.8
4-15	si	7	Tz	133.7	-68.0	0.0	178.1
1- 1	si	5	Ty	1932.6	0.0	-144.0	1948.6

Caso	MZ	MY	MT	N	TZ	TY	
4-15	-831.0	27901.6	-658.0	5098.2	-1812.1	-65.5	
1- 1	4315.3	24993.0	-3530.4	2325.5	-1568.1	62.3	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-15	si	1	Sx	2226.3	0.0	26.4	2226.8
4-15	si	7	Tz	133.7	-68.0	0.0	178.1
1- 1	si	5	Ty	1932.6	0.0	-144.0	1948.6

Caso	MZ	MY	MT	N	TZ	TY	
4-15	-1181.1	37278.4	-658.0	5096.1	-1812.1	-69.8	
1-1	4621.9	33107.3	-3530.4	2322.5	-1568.1	56.2	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-15	si	1	Sx	2932.1	0.0	26.4	2932.5
4-15	si	7	Tz	136.3	-68.0	0.0	180.1
1-1	si	5	Ty	2541.1	0.0	-143.8	2553.3

VERIFICA STABILITA' :

Z | LO = 41. | Ro = 5.77 | Im = 7.2 | Ncr = 16126308.6 | al fa(c) = 0.4900 | ki = 1.0000 |  
 Y | Lc = 41. | Ro = 0.58 | Im = 71.7 | Ncr = 161263.1 | al fa(c) = 0.4900 | ki = 0.5764 |  
 Caso 4-10 - Nodo 2 - Asse Y  
 Ned = -3963.5 | Mzeq = 10792.0 | Myeq = 8455.5 | Ss = -903.0 ( 0.267 )

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 280- 279 ) 251  
 0. PROGR.

Caso	MZ	MY	MT	N	TZ	TY	
5-16	1989.0	-30684.8	3460.1	3124.7	-1413.4	80.1	
5-10	-216.4	-30571.0	3373.6	3541.1	-1419.6	78.3	
1-1	11498.1	-24186.6	6532.4	519.7	-1053.7	129.1	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-16	si	3	Sx	2394.4	0.0	138.9	2406.4
5-10	si	7	Tz	90.2	-53.2	0.0	129.0
1-1	si	5	Ty	-1801.0	0.0	-267.0	1859.4

Caso	MZ	MY	MT	N	TZ	TY	
5-16	2386.6	-23349.3	3460.1	3122.6	-1413.4	75.9	
5-10	182.4	-23259.8	3373.6	3539.0	-1419.6	74.1	
1-1	12149.8	-18739.2	6532.4	516.7	-1053.7	123.0	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-16	si	3	Sx	1847.2	0.0	138.9	1862.8
5-10	si	7	Tz	87.1	-53.2	0.0	126.8
1-1	si	5	Ty	-1392.5	0.0	-266.8	1467.2

Caso	MZ	MY	MT	N	TZ	TY	
5-16	2762.4	-16014.0	3460.1	3120.5	-1413.4	71.7	
5-10	559.2	-15948.4	3373.6	3536.9	-1419.6	69.9	
1-1	12770.2	-13291.8	6532.4	513.6	-1053.7	117.0	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-16	si	3	Sx	1299.8	0.0	138.9	1321.8
5-10	si	7	Tz	84.2	-53.2	0.0	124.9
1-1	si	5	Ty	-984.0	0.0	-266.6	1087.0

Caso	MZ	MY	MT	N	TZ	TY	
5-16	3116.4	-8679.0	3460.1	3118.4	-1413.4	67.4	
5-10	914.0	-8636.8	3373.6	3534.8	-1419.6	65.7	
1-1	13359.4	-7844.4	6532.4	510.6	-1053.7	110.9	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-16	si	3	Sx	752.3	0.0	138.9	789.8
5-10	si	7	Tz	81.5	-53.2	0.0	123.1
1-1	si	5	Ty	-575.6	0.0	-266.3	737.6
1-1	si	3	Si	701.3	0.0	262.2	835.5

Caso	MZ	MY	MT	N	TZ	TY	
4-10	21991.5	-711.1	1926.1	-3223.3	507.8	-3.4	
5-10	1246.9	-1323.7	3373.6	3532.7	-1419.6	61.4	
1-1	13917.2	-2397.0	6532.4	507.6	-1053.7	104.9	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-10	si	1	Sx	-298.8	0.0	77.3	327.5
5-10	si	7	Tz	79.0	-53.2	0.0	121.4
1-1	si	5	Ty	-167.1	0.0	-266.1	490.3
1-1	si	3	Si	296.8	0.0	262.2	542.5

Caso	MZ	MY	MT	N	TZ	TY	
5-14	2994.2	5997.9	3387.9	3298.7	-1418.9	56.6	
5-10	1557.7	6000.3	3373.6	3530.6	-1419.6	57.2	
1-1	14443.8	3050.4	6532.4	504.6	-1053.7	98.8	
5-16	3759.0	5977.3	3460.1	3114.2	-1413.4	59.0	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-14	si	4	Sx	554.8	0.0	136.0	602.7
5-10	si	7	Tz	76.6	-53.2	0.0	119.9
1-1	si	5	Ty	241.4	0.0	-265.9	519.9
5-16	si	4	Si	554.3	0.0	138.9	604.3

Caso	MZ	MY	MT	N	TZ	TY	
5-14	3280.1	13330.9	3387.9	3296.6	-1418.9	52.4	
5-10	1846.7	13337.3	3373.6	3528.5	-1419.6	53.0	
1-1	14939.2	8497.8	6532.4	501.5	-1053.7	92.8	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-14	si	4	Sx	1106.8	0.0	136.0	1131.6
5-10	si	7	Tz	74.4	-53.2	0.0	118.5
1-1	si	5	Ty	649.9	0.0	-265.6	796.3

Caso	MZ	MY	MT	N	TZ	TY	
5-14	3543.9	20665.8	3387.9	3294.5	-1418.9	48.2	
5-10	2113.6	20676.2	3373.6	3526.3	-1419.6	48.8	
1-1	15403.2	13945.2	6532.4	498.5	-1053.7	86.7	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-14	si	4	Sx	1658.9	0.0	136.0	1675.5
5-10	si	7	Tz	72.3	-53.2	0.0	117.2
1-1	si	5	Ty	1058.4	0.0	-265.4	1153.9

Caso	MZ	MY	MT	N	TZ	TY
5-14	3543.9	20665.8	3387.9	3294.5	-1418.9	48.2
5-10	2113.6	20676.2	3373.6	3526.3	-1419.6	48.8
1-1	15403.2	13945.2	6532.4	498.5	-1053.7	86.7

5-14			3785.8	28001.1	3387.9	3292.4	-1418.9	43.9
5-10			2358.6	28015.5	3373.6	3524.2	-1419.6	44.5
1-1			15836.0	19392.6	6532.4	495.5	-1053.7	80.7
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-14	si	4	Sx	2210.8	0.0	136.0	2223.3	
5-10	si	7	Tz	70.4	-53.2	0.0	116.0	
1-1	si	5	Ty	1466.8	0.0	-265.2	1537.1	

VERIFICA STABILITA` :

Z |LO = 41. | Ro = 5.77 | Im = 7.2 | Ncr= 16154618.7 | al fa(c )=0.4900 | ki=1.0000 |  
 Y |Lc = 41. | Ro = 0.58 | Im = 71.6 | Ncr= 161546.2 | al fa(c )=0.4900 | ki=0.5769 |  
 Caso 5- 7 - Nodo 1 - Asse Y  
 Ned = -3305.6 | Mzeq = 21414.8 | Myeq = -9223.5 | Ss = -1010.1 ( 0.299 )

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 279- 64 ) 252  
 0. PROGR.

SOLLECI TAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
5-14			4130.4	-27324.1	-2949.1	2264.6	-1377.3	53.2
5-10			2709.4	-27340.0	-2945.2	2477.1	-1378.0	62.8
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-14	si	3	Sx	2136.9	0.0	118.4	2146.7	
5-10	si	7	Tz	41.6	-51.7	0.0	98.7	
5-10	si	5	Ty	-1988.6	0.0	-120.6	1999.5	

SOLLECI TAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
5-14			4151.8	-26749.2	-2949.1	2264.4	-1377.3	52.9
5-10			2734.8	-26764.8	-2945.2	2476.9	-1378.0	62.5
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-14	si	3	Sx	2093.9	0.0	118.4	2104.0	
5-10	si	7	Tz	41.4	-51.7	0.0	98.6	
5-10	si	5	Ty	-1945.4	0.0	-120.5	1956.6	

SOLLECI TAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
5-14			4173.0	-26174.4	-2949.1	2264.2	-1377.3	52.5
5-10			2760.1	-26189.7	-2945.2	2476.8	-1378.0	62.2
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-14	si	3	Sx	2051.0	0.0	118.4	2061.2	
5-10	si	7	Tz	41.2	-51.7	0.0	98.5	
5-10	si	5	Ty	-1902.3	0.0	-120.5	1913.7	

SOLLECI TAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
5-14			4194.1	-25599.5	-2949.1	2264.0	-1377.3	52.2
5-10			2785.2	-25614.5	-2945.2	2476.6	-1378.0	61.8
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-14	si	3	Sx	2008.0	0.0	118.4	2018.5	
5-10	si	7	Tz	41.0	-51.7	0.0	98.5	
5-10	si	5	Ty	-1859.2	0.0	-120.5	1870.9	

SOLLECI TAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
5-14			4215.1	-25024.6	-2949.1	2263.9	-1377.3	51.8
5-10			2810.2	-25039.4	-2945.2	2476.4	-1378.0	61.5
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-14	si	3	Sx	1965.1	0.0	118.4	1975.7	
5-10	si	7	Tz	40.8	-51.7	0.0	98.4	
5-10	si	5	Ty	-1816.0	0.0	-120.5	1828.0	

SOLLECI TAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
5-14			4235.9	-24449.7	-2949.1	2263.7	-1377.3	51.5
5-10			2835.0	-24464.2	-2945.2	2476.2	-1378.0	61.1
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-14	si	3	Sx	1922.1	0.0	118.4	1933.0	
5-10	si	7	Tz	40.6	-51.7	0.0	98.3	
5-10	si	5	Ty	-1772.9	0.0	-120.5	1785.2	

SOLLECI TAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
5-14			4256.6	-23874.9	-2949.1	2263.5	-1377.3	51.2
5-10			2859.7	-23889.0	-2945.2	2476.1	-1378.0	60.8
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-14	si	3	Sx	1879.1	0.0	118.4	1890.3	
5-10	si	7	Tz	40.5	-51.7	0.0	98.2	
5-10	si	5	Ty	-1729.8	0.0	-120.5	1742.3	

SOLLECI TAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
5-14			4277.1	-23300.0	-2949.1	2263.4	-1377.3	50.8
5-10			2884.3	-23313.9	-2945.2	2475.9	-1378.0	60.5
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-14	si	3	Sx	1836.2	0.0	118.4	1847.6	
5-10	si	7	Tz	40.3	-51.7	0.0	98.1	
5-10	si	5	Ty	-1686.6	0.0	-120.5	1699.5	

SOLLECI TAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
5-14			4297.5	-22725.1	-2949.1	2263.2	-1377.3	50.5
5-10			2908.7	-22738.7	-2945.2	2475.7	-1378.0	60.1
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-14	si	3	Sx	1793.2	0.0	118.4	1804.9	
5-10	si	7	Tz	40.1	-51.7	0.0	98.1	
5-10	si	5	Ty	-1643.5	0.0	-120.5	1656.7	

VERIFICA STABILITA` :

|LO = 3. |

Z | Lc = 3. | Ro = 5.77 | Im = 0.6 | Ncr=\*\*\*\*\* | al fa(c )=0.4900 | ki=1.0000  
 Y | Lc = 3. | Ro = 0.58 | Im = 5.8 | Ncr= 24778345.6 | al fa(c )=0.4900 | ki=1.0000  
 Caso 1- 1 - Nodo 1 - Asse Y  
 Ned = -286.8 | Mzeq = 16354.2 | Myeq = -21224.3 | Ss = -1721.7 ( 0.509)

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 64- 278) 253  
 ----- PROGR. 0.

SOLLECI TAZI ONI :  

Caso	MZ	MY	MT	N	TZ	TY
5-14	4297.5	-22725.1	-2949.1	2263.9	-1362.3	50.8
5-10	2908.7	-22738.7	-2945.2	2474.1	-1363.0	61.6

TENSI ONI (Sz= 0.00) :  

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-14	si	3	Sx	1793.2	0.0	118.4	1804.9
5-10	si	7	Tz	40.0	-51.1	0.0	97.2
5-10	si	5	Ty	-1643.6	0.0	-120.5	1656.8

SOLLECI TAZI ONI :  

Caso	MZ	MY	MT	N	TZ	TY
5-14	4519.4	-16250.9	-2949.1	2261.9	-1362.3	46.9
5-10	3182.0	-16261.2	-2945.2	2472.1	-1363.0	57.7

TENSI ONI (Sz= 0.00) :  

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-14	si	3	Sx	1309.3	0.0	118.4	1325.2
5-10	si	7	Tz	37.9	-51.1	0.0	96.3
5-10	si	5	Ty	-1157.8	0.0	-120.4	1176.4

SOLLECI TAZI ONI :  

Caso	MZ	MY	MT	N	TZ	TY
5-14	4722.3	-9776.6	-2949.1	2260.0	-1362.3	43.0
5-10	3436.2	-9783.8	-2945.2	2470.2	-1363.0	53.8

TENSI ONI (Sz= 0.00) :  

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-14	si	3	Sx	825.2	0.0	118.4	850.2
5-10	si	7	Tz	36.0	-51.1	0.0	95.6
5-10	si	5	Ty	-672.0	0.0	-120.2	703.5

SOLLECI TAZI ONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	16461.2	-2844.2	-1387.2	-295.1	-1044.5	-0.8
5-10	3671.2	-3306.4	-2945.2	2468.3	-1363.0	49.9
5-14	4905.9	-3302.6	-2949.1	2258.0	-1362.3	39.1

TENSI ONI (Sz= 0.00) :  

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-344.1	0.0	55.7	357.4
5-10	si	7	Tz	34.2	-51.1	0.0	94.9
5-10	si	5	Ty	-186.3	0.0	-120.1	279.2
5-14	si	3	Si	340.9	0.0	118.4	397.8

SOLLECI TAZI ONI :  

Caso	MZ	MY	MT	N	TZ	TY
5-16	5796.0	3165.4	-2933.5	2076.7	-1357.8	28.9
5-10	3886.9	3172.4	-2945.2	2466.3	-1363.0	46.0
5-14	5070.3	3173.0	-2949.1	2256.1	-1362.3	35.2

TENSI ONI (Sz= 0.00) :  

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-16	si	4	Sx	332.8	0.0	117.7	390.3
5-10	si	7	Tz	32.5	-51.1	0.0	94.3
5-10	si	5	Ty	299.6	0.0	-119.9	364.6
5-14	si	4	Si	332.4	0.0	118.4	390.5

SOLLECI TAZI ONI :  

Caso	MZ	MY	MT	N	TZ	TY
5-14	5215.4	9646.6	-2949.1	2254.2	-1362.3	31.4
5-10	4083.3	9649.3	-2945.2	2464.4	-1363.0	42.2

TENSI ONI (Sz= 0.00) :  

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-14	si	4	Sx	819.0	0.0	118.4	844.2
5-10	si	7	Tz	31.0	-51.1	0.0	93.8
5-10	si	5	Ty	785.3	0.0	-119.8	812.2

SOLLECI TAZI ONI :  

Caso	MZ	MY	MT	N	TZ	TY
5-14	5341.0	16120.8	-2949.1	2252.2	-1362.3	27.5
5-10	4260.3	16126.7	-2945.2	2462.4	-1363.0	38.3

TENSI ONI (Sz= 0.00) :  

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-14	si	4	Sx	1305.4	0.0	118.4	1321.4
5-10	si	7	Tz	29.6	-51.1	0.0	93.3
5-10	si	5	Ty	1271.1	0.0	-119.6	1287.8

SOLLECI TAZI ONI :  

Caso	MZ	MY	MT	N	TZ	TY
5-14	5447.2	22595.1	-2949.1	2250.3	-1362.3	23.6
5-10	4417.8	22604.2	-2945.2	2460.5	-1363.0	34.4

TENSI ONI (Sz= 0.00) :  

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-14	si	4	Sx	1791.7	0.0	118.4	1803.4
5-10	si	7	Tz	28.4	-51.1	0.0	93.0
5-10	si	5	Ty	1756.8	0.0	-119.5	1769.0

SOLLECI TAZI ONI :  

Caso	MZ	MY	MT	N	TZ	TY
5-14	5533.6	29069.3	-2949.1	2248.3	-1362.3	19.7
5-10	4555.6	29081.7	-2945.2	2458.5	-1363.0	30.5

TENSI ONI (Sz= 0.00) :  

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-14	si	4	Sx	2277.9	0.0	118.4	2287.1
5-10	si	7	Tz	27.3	-51.1	0.0	92.6
5-10	si	5	Ty	2242.6	0.0	-119.3	2252.1

VERI F I C A S T A B I L I T A` :  
 -----

Z | LO = 38. | Ro = 5.77 | Im = 6.6 | Ncr= 19117192.6 | al fa(c )=0.4900 | ki=1.0000  
 Y | Lc = 38. | Ro = 0.58 | Im = 65.9 | Ncr= 191171.9 | al fa(c )=0.4900 | ki=0.6234  
 Caso 1- 1 - Nodo 2 - Asse Y  
 Ned = -309.0 | Mzeq = 16461.2 | Myeq = 16481.8 | Ss = -1374.0 ( 0.406)

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 268- 23) 255  
 ----- PROGR. 0.

SOLLECI TAZI ONI :  

Caso	MZ	MY	MT	N	TZ	TY
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1- 1		15738.4	-6411.7	448.4	-1321.9	-1310.8	138.2
5- 7		5976.8	-2107.3	7271.1	-2206.8	65.6	-129.0
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-632.0	0.0	18.0	632.7
1- 1	si	7	Tz	-151.1	-49.2	0.0	173.4
5- 7	si	5	Ty	-213.2	0.0	296.7	556.3

1.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		15882.7	-5037.8	448.4	-1322.5	-1310.8	137.0
5- 7		5844.4	-2136.8	7271.1	-2207.2	65.6	-129.8
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-530.0	0.0	18.0	530.9
1- 1	si	7	Tz	-152.2	-49.2	0.0	174.4
5- 7	si	5	Ty	-215.4	0.0	296.7	557.2
5- 7	si	1	Si	-259.3	0.0	291.8	568.1

2.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		16025.6	-3663.9	448.4	-1323.1	-1310.8	135.8
5- 7		5710.5	-2252.1	7271.1	-2207.6	65.6	-130.7
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-428.1	0.0	18.0	429.2
1- 1	si	7	Tz	-153.3	-49.2	0.0	175.3
5- 7	si	5	Ty	-224.1	0.0	296.7	560.7
5- 7	si	1	Si	-266.9	0.0	291.8	571.6

3.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		16167.3	-2290.0	448.4	-1323.7	-1310.8	134.5
5- 7		5575.4	-2320.1	7271.1	-2208.1	65.6	-131.6
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-326.1	0.0	18.0	327.6
1- 1	si	7	Tz	-154.3	-49.2	0.0	176.3
5- 7	si	5	Ty	-229.2	0.0	296.7	562.8
5- 7	si	1	Si	-271.0	0.0	291.8	573.5

4.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
4-10		7321.0	-2183.4	6452.8	-2303.5	-65.9	-72.0
1- 1		16307.7	-916.1	448.4	-1324.3	-1310.8	133.3
5- 7		5439.1	-2390.7	7271.1	-2208.5	65.6	-132.4
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-10	si	1	Sx	-276.2	0.0	259.0	526.8
1- 1	si	7	Tz	-155.4	-49.2	0.0	177.2
5- 7	si	5	Ty	-234.5	0.0	296.8	565.0
5- 7	si	1	Si	-275.3	0.0	291.8	575.6

5.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
5-12		10284.9	2965.2	-7105.2	810.0	-1210.6	214.6
1- 1		16446.8	457.8	448.4	-1324.9	-1310.8	132.1
5- 7		5301.6	-2466.0	7271.1	-2208.9	65.6	-133.3
5-10		9252.1	2986.8	-7168.9	971.6	-1192.6	194.4
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-12	si	4	Sx	319.8	0.0	285.2	588.4
1- 1	si	7	Tz	-156.5	-49.2	0.0	178.1
5- 7	si	5	Ty	-240.2	0.0	296.8	567.4
5-10	si	4	Si	317.7	0.0	287.7	591.0

6.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
5-12		10507.7	4250.5	-7105.2	809.5	-1210.6	213.8
1- 1		16584.6	1831.7	448.4	-1325.5	-1310.8	130.9
5- 7		5163.0	-2518.0	7271.1	-2209.3	65.6	-134.1
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-12	si	4	Sx	417.8	0.0	285.2	646.9
1- 1	si	7	Tz	-157.5	-49.2	0.0	179.1
5- 7	si	5	Ty	-244.1	0.0	296.8	569.1

7.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
5-12		10729.8	5517.5	-7105.2	809.1	-1210.6	212.9
1- 1		16721.1	3205.6	448.4	-1326.2	-1310.8	129.6
5- 7		5023.3	-2588.4	7271.1	-2209.8	65.6	-135.0
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-12	si	4	Sx	514.5	0.0	285.2	713.2
1- 1	si	7	Tz	-158.6	-49.2	0.0	180.0
5- 7	si	5	Ty	-249.4	0.0	296.9	571.5

8.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
5-12		10951.2	6785.5	-7105.2	808.7	-1210.6	212.1
1- 1		16856.3	4579.5	448.4	-1326.8	-1310.8	128.4
5- 7		4882.5	-2657.8	7271.1	-2210.2	65.6	-135.8
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-12	si	4	Sx	611.3	0.0	285.2	785.9
1- 1	si	7	Tz	-159.6	-49.2	0.0	180.9
5- 7	si	5	Ty	-254.6	0.0	296.9	573.8

VERIFI CA STABI LI TA` :

Z	LO = 8.	Ro = 5.77	Im = 1.5	Ncr=393029579.6	al fa(c) = 0.4900	ki = 1.0000
Y	Lc = 8.	Ro = 0.58	Im = 14.5	Ncr= 3930295.7	al fa(c) = 0.4900	ki = 1.0000
Caso 1- 1 - Nodo 1 - Asse Y						
Ned =	-1326.8	Mzeq =	16856.3	Myeq =	-4808.8	Ss = -520.4 ( 0.154)

RETTANGOLARE\_S003 ( 3 ) stato li mi te ul ti mo - ASTA ( 28- 277 ) 256  
0. PROGR.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
4- 7		-1035.5	-35055.5	-950.0	-3729.2	-1687.7	971.0
1- 1		-1291.5	-26133.4	-4400.9	855.1	-1308.3	1343.1

TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
4-7	si	4	Sx	-2730.2	0.0	38.1	2731.0		
4-7	si	7	Tz	-85.5	-63.3	0.0	139.0		
1-1	si	5	Ty	-1938.6	0.0	-227.0	1978.1		
-----								PROGR.	5.
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
4-7			3985.9	-26322.6	-950.0	-3731.3	-1687.7	966.7	
1-1			5643.0	-19363.3	-4400.9	852.1	-1308.3	1337.1	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
4-7	si	1	Sx	-2097.4	0.0	38.1	2098.4		
4-7	si	7	Tz	-123.2	-63.3	0.0	164.9		
1-1	si	5	Ty	-1430.9	0.0	-226.8	1483.9		
-----								PROGR.	10.
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
4-7			8976.6	-17589.7	-950.0	-3733.4	-1687.7	962.5	
1-1			12546.1	-12593.3	-4400.9	849.1	-1308.3	1331.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
4-7	si	1	Sx	-1479.9	0.0	38.1	1481.4		
4-7	si	7	Tz	-160.7	-63.3	0.0	194.5		
1-1	si	5	Ty	-923.3	0.0	-226.5	1003.2		
-----								PROGR.	16.
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
5-10			14007.4	-8775.1	-692.7	-4085.0	-1653.3	963.7	
4-7			13945.9	-8856.9	-950.0	-3735.5	-1687.7	958.3	
1-1			19417.9	-5823.2	-4400.9	846.0	-1308.3	1325.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
5-10	si	1	Sx	-865.3	0.0	27.8	866.7		
4-7	si	7	Tz	-198.0	-63.3	0.0	226.3		
1-1	si	5	Ty	-415.6	0.0	-226.3	571.3		
-----								PROGR.	21.
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1-1			26258.4	946.8	-4400.9	843.0	-1308.3	1318.9	
4-7			18893.4	-141.6	-950.0	-3737.6	-1687.7	954.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1-1	si	4	Sx	289.0	0.0	176.6	420.9		
4-7	si	7	Tz	-235.1	-63.3	0.0	259.4		
1-1	si	5	Ty	92.1	0.0	-226.1	402.3		
-----								PROGR.	26.
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
4-7			23819.1	8609.2	-950.0	-3739.7	-1687.7	949.8	
1-1			33067.6	7716.9	-4400.9	840.0	-1308.3	1312.9	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
4-7	si	2	Sx	-917.8	0.0	38.1	920.2		
4-7	si	7	Tz	-272.1	-63.3	0.0	293.4		
1-1	si	5	Ty	599.8	0.0	-225.9	716.1		
-----								PROGR.	31.
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
4-7			28722.9	17342.0	-950.0	-3741.9	-1687.7	945.6	
1-1			39845.4	14486.9	-4400.9	837.0	-1308.3	1306.8	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
4-7	si	2	Sx	-1609.6	0.0	38.1	1611.0		
4-7	si	7	Tz	-309.0	-63.3	0.0	327.8		
1-1	si	5	Ty	1107.4	0.0	-225.6	1174.4		
-----								PROGR.	36.
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
4-7			33604.9	26074.9	-950.0	-3744.0	-1687.7	941.3	
1-1			46591.9	21257.0	-4400.9	833.9	-1308.3	1300.8	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
4-7	si	2	Sx	-2301.3	0.0	38.1	2302.2		
4-7	si	7	Tz	-345.6	-63.3	0.0	362.6		
1-1	si	5	Ty	1615.1	0.0	-225.4	1661.6		
-----								PROGR.	41.
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
4-7			38464.9	34807.8	-950.0	-3746.1	-1687.7	937.1	
1-1			53307.0	28027.1	-4400.9	830.9	-1308.3	1294.7	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
4-7	si	2	Sx	-2992.7	0.0	38.1	2993.5		
4-7	si	7	Tz	-382.1	-63.3	0.0	397.6		
1-1	si	5	Ty	2122.8	0.0	-225.2	2158.3		
-----									
VERIFICAZIONE STABILITÀ :									
Z	LO = 41.	Ro = 5.77	Im = 7.2	Ncr = 16126308.6	al fa(c) = 0.4900	ki = 1.0000			
Y	Lc = 41.	Ro = 0.58	Im = 71.7	Ncr = 161263.1	al fa(c) = 0.4900	ki = 0.5764			
Caso 4-7 - Nodo 1 - Asse Y									
Ned = -3746.1   Mzeq = 28848.7   Myeq = -26291.6   Ss = -2397.6 ( 0.709)									
RETTANGOLARE_S003 ( 3) stato limite ultimo - ASTA ( 275- 273) 258									
-----								PROGR.	0.
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
5-10			63817.6	-28547.4	3248.4	-2094.7	-1318.5	253.0	
1-1			88531.3	-20057.6	6487.9	2057.1	-854.6	276.1	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
5-10	si	1	Sx	-2672.1	0.0	130.4	2681.6		
5-10	si	7	Tz	-531.0	-49.4	0.0	537.9		
1-1	si	5	Ty	-1452.9	0.0	-270.7	1526.7		
-----								PROGR.	5.
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
5-10			65111.5	-21731.0	3248.4	-2096.8	-1318.5	248.7	
1-1			89943.3	-15639.1	6487.9	2054.1	-854.6	270.1	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
-----									

5-10	si	1	Sx	Si	-2170.6	0.0	130.4	2182.3		
5-10	si	7	Tz		-540.8	-49.4	0.0	547.5		
1-1	si	5	Ty		-1121.6	0.0	-270.5	1215.5		

----- PROGR. 10.

## SOLLECI TAZI ONI :

Caso			MZ		MY		MT		N		TZ		TY
5-10			66383.6		-14914.7		3248.4		-2099.0		-1318.5		244.5
1-1			91324.0		-11220.6		6487.9		2051.1		-854.6		264.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi		Sx		Tz		Ty		Si		
5-10	si	1	Sx	Si	-1669.0		0.0		130.4		1684.2		
5-10	si	7	Tz		-550.4		-49.4		0.0		557.0		
1-1	si	5	Ty		-790.3		0.0		-270.3		918.5		

----- PROGR. 16.

## SOLLECI TAZI ONI :

Caso			MZ		MY		MT		N		TZ		TY
1-1			92673.4		-6802.1		6487.9		2048.0		-854.6		258.0
5-10			67634.1		-8098.5		3248.4		-2101.1		-1318.5		240.3

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi		Sx		Tz		Ty		Si		
1-1	si	3	Sx	Si	1256.4		0.0		260.4		1334.9		
5-10	si	7	Tz		-559.8		-49.4		0.0		566.3		
1-1	si	5	Ty		-459.0		0.0		-270.1		655.3		

----- PROGR. 21.

## SOLLECI TAZI ONI :

Caso			MZ		MY		MT		N		TZ		TY
1-1			93991.6		-2383.6		6487.9		2045.0		-854.6		251.9
5-10			68862.9		-1283.6		3248.4		-2103.2		-1318.5		236.1

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi		Sx		Tz		Ty		Si		
1-1	si	3	Sx	Si	934.8		0.0		260.4		1037.9		
5-10	si	7	Tz		-569.1		-49.4		0.0		575.5		
1-1	si	5	Ty		-127.6		0.0		-269.8		484.5		

----- PROGR. 26.

## SOLLECI TAZI ONI :

Caso			MZ		MY		MT		N		TZ		TY
5-10			70069.9		5536.6		3248.4		-2105.3		-1318.5		231.8
1-1			95278.5		2035.0		6487.9		2042.0		-854.6		245.9

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi		Sx		Tz		Ty		Si		
5-10	si	2	Sx	Si	-993.4		0.0		130.4		1018.7		
5-10	si	7	Tz		-578.2		-49.4		0.0		584.5		
1-1	si	5	Ty		203.7		0.0		-269.6		509.5		
1-1	si	4	Si		918.3		0.0		260.4		1023.0		

----- PROGR. 31.

## SOLLECI TAZI ONI :

Caso			MZ		MY		MT		N		TZ		TY
5-10			71255.2		12352.1		3248.4		-2107.4		-1318.5		227.6
1-1			96534.1		6453.5		6487.9		2039.0		-854.6		239.8

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi		Sx		Tz		Ty		Si		
5-10	si	2	Sx	Si	-1513.5		0.0		130.4		1530.3		
5-10	si	7	Tz		-587.1		-49.4		0.0		593.3		
1-1	si	5	Ty		535.0		0.0		-269.4		709.9		

----- PROGR. 36.

## SOLLECI TAZI ONI :

Caso			MZ		MY		MT		N		TZ		TY
5-10			72418.8		19168.3		3248.4		-2109.5		-1318.5		223.4
1-1			97758.4		10872.0		6487.9		2035.9		-854.6		233.8

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi		Sx		Tz		Ty		Si		
5-10	si	2	Sx	Si	-2033.5		0.0		130.4		2046.0		
5-10	si	7	Tz		-595.9		-49.4		0.0		602.0		
1-1	si	5	Ty		866.3		0.0		-269.2		983.8		

----- PROGR. 41.

## SOLLECI TAZI ONI :

Caso			MZ		MY		MT		N		TZ		TY
5-10			73560.6		25984.7		3248.4		-2111.6		-1318.5		219.2
1-1			98951.5		15290.5		6487.9		2032.9		-854.6		227.7

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi		Sx		Tz		Ty		Si		
5-10	si	2	Sx	Si	-2553.3		0.0		130.4		2563.3		
5-10	si	7	Tz		-604.5		-49.4		0.0		610.5		
1-1	si	5	Ty		1197.6		0.0		-268.9		1285.0		

## VERI F I C A S T A B I L I T A` :

Z | LO = 41. | Ro = 5.77 | Im = 7.2 | Ncr= 16154618.7 | al fa(c) = 0.4900 | ki = 1.0000  
 Y | Lc = 41. | Ro = 0.58 | Im = 71.6 | Ncr= 161546.2 | al fa(c) = 0.4900 | ki = 0.5769  
 Caso 5-10 - Nodo 1 - Asse Y  
 Ned = -2111.6 | Mzeq = 73560.6 | Myeq = -21410.5 | Ss = -2270.3 ( 0.672)

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 273- 68 ) 259  
 0. ----- PROGR.

## SOLLECI TAZI ONI :

Caso			MZ		MY		MT		N		TZ		TY
5-10			73205.5		-25475.4		-3110.3		-1175.9		-1279.3		-4.1

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi		Sx		Tz		Ty		Si		
5-10	si	1	Sx	Si	-2489.1		0.0		124.8		2498.5		
5-10	si	7	Tz		-578.4		-48.0		0.0		584.4		
5-10	si	5	Ty		-1940.1		0.0		125.0		1952.1		

----- PROGR. 0.

## SOLLECI TAZI ONI :

Caso			MZ		MY		MT		N		TZ		TY
5-10			73201.9		-24941.4		-3110.3		-1176.1		-1279.3		-4.4

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi		Sx		Tz		Ty		Si		
5-10	si	1	Sx	Si	-2449.0		0.0		124.8		2458.5		
5-10	si	7	Tz		-578.4		-48.0		0.0		584.4		
5-10	si	5	Ty		-1900.0		0.0		125.0		1912.3		

----- PROGR. 1.

## SOLLECI TAZI ONI :

Caso			MZ		MY		MT		N		TZ		TY
5-10			73198.2		-24407.4		-3110.3		-1176.3		-1279.3		-4.8

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi		Sx		Tz		Ty		Si		
5-10	si	1	Sx	Si	-2408.9		0.0		124.8		2418.6		
5-10	si	7	Tz		-578.4		-48.0		0.0		584.3		
5-10	si	5	Ty		-1860.0		0.0		125.0		1872.5		

----- PROGR. 1.

## SOLLECI TAZI ONI :



Caso	5-10		MZ	73194.3	MY	-23873.3	MT	-3110.3	N	-1176.4	TZ	-1279.3	TY	-5.1
TENSIONI (Sz=0.00) :														
Caso	5-10	Ve	No	massi	mi	Sx	Tz	Ty	Si					
5-10	si	1	Sx	Si		-2368.9	0.0	124.8	2378.7					
5-10	si	7	Tz			-578.4	-48.0	0.0	584.3					
5-10	si	5	Ty			-1819.9	0.0	125.0	1832.7					
----- PROGR. 2.														
SOLLECI TAZI ONI :														
Caso	5-10		MZ	73190.3	MY	-23339.3	MT	-3110.3	N	-1176.6	TZ	-1279.3	TY	-5.5
TENSIONI (Sz=0.00) :														
Caso	5-10	Ve	No	massi	mi	Sx	Tz	Ty	Si					
5-10	si	1	Sx	Si		-2328.8	0.0	124.8	2338.8					
5-10	si	7	Tz			-578.3	-48.0	0.0	584.3					
5-10	si	5	Ty			-1779.9	0.0	125.0	1793.0					
----- PROGR. 2.														
SOLLECI TAZI ONI :														
Caso	5-10		MZ	73186.1	MY	-22805.3	MT	-3110.3	N	-1176.8	TZ	-1279.3	TY	-5.8
TENSIONI (Sz=0.00) :														
Caso	5-10	Ve	No	massi	mi	Sx	Tz	Ty	Si					
5-10	si	1	Sx	Si		-2288.7	0.0	124.8	2298.9					
5-10	si	7	Tz			-578.3	-48.0	0.0	584.3					
5-10	si	5	Ty			-1739.8	0.0	125.0	1753.2					
----- PROGR. 3.														
SOLLECI TAZI ONI :														
Caso	5-10		MZ	73181.8	MY	-22271.3	MT	-3110.3	N	-1176.9	TZ	-1279.3	TY	-6.1
TENSIONI (Sz=0.00) :														
Caso	5-10	Ve	No	massi	mi	Sx	Tz	Ty	Si					
5-10	si	1	Sx	Si		-2248.6	0.0	124.8	2259.0					
5-10	si	7	Tz			-578.3	-48.0	0.0	584.2					
5-10	si	5	Ty			-1699.8	0.0	125.1	1713.5					
----- PROGR. 3.														
SOLLECI TAZI ONI :														
Caso	5-10		MZ	73177.4	MY	-21737.2	MT	-3110.3	N	-1177.1	TZ	-1279.3	TY	-6.5
TENSIONI (Sz=0.00) :														
Caso	5-10	Ve	No	massi	mi	Sx	Tz	Ty	Si					
5-10	si	1	Sx	Si		-2208.6	0.0	124.8	2219.1					
5-10	si	7	Tz			-578.3	-48.0	0.0	584.2					
5-10	si	5	Ty			-1659.7	0.0	125.1	1673.8					
----- PROGR. 3.														
SOLLECI TAZI ONI :														
Caso	5-10		MZ	73172.8	MY	-21203.2	MT	-3110.3	N	-1177.3	TZ	-1279.3	TY	-6.8
TENSIONI (Sz=0.00) :														
Caso	5-10	Ve	No	massi	mi	Sx	Tz	Ty	Si					
5-10	si	1	Sx	Si		-2168.5	0.0	124.8	2179.2					
5-10	si	7	Tz			-578.2	-48.0	0.0	584.2					
5-10	si	5	Ty			-1619.7	0.0	125.1	1634.1					

## VERIFICA STABILITA' :

Z | LO = 3. | Ro = 5.77 | Im = 0.6 | Ncr=\*\*\*\*\* | al fa(c)=0.4900 | ki=1.0000  
 Y | Lc = 3. | Ro = 0.58 | Im = 5.8 | Ncr= 24778345.6 | al fa(c)=0.4900 | ki=1.0000  
 Caso 5-10 - Nodo 1 - Asse Y  
 Ned = -1177.3 | Mzeq = 73205.5 | Myeq = -25475.4 | Ss = -2489.2 ( 0.736)

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 68- 271 ) 260  
 0. ----- PROGR.

Caso	5-10		MZ	73172.8	MY	-21203.2	MT	-3110.3	N	-1176.4	TZ	-1276.9	TY	-7.3
TENSIONI (Sz=0.00) :														
Caso	5-10	Ve	No	massi	mi	Sx	Tz	Ty	Si					
5-10	si	1	Sx	Si		-2168.4	0.0	124.8	2179.2					
5-10	si	7	Tz			-578.2	-47.9	0.0	584.1					
5-10	si	5	Ty			-1619.7	0.0	125.1	1634.1					
----- PROGR. 5.														
SOLLECI TAZI ONI :														
Caso	5-10		MZ	73108.5	MY	-15134.7	MT	-3110.3	N	-1178.3	TZ	-1276.9	TY	-11.1
TENSIONI (Sz=0.00) :														
Caso	5-10	Ve	No	massi	mi	Sx	Tz	Ty	Si					
5-10	si	1	Sx	Si		-1712.9	0.0	124.8	1726.5					
5-10	si	7	Tz			-577.8	-47.9	0.0	583.7					
5-10	si	5	Ty			-1164.6	0.0	125.2	1184.6					
----- PROGR. 10.														
SOLLECI TAZI ONI :														
Caso	1-1		MZ	96713.6	MY	-6280.3	MT	-1748.4	N	2595.9	TZ	-863.8	TY	-146.0
5-10			MZ	73026.0	MY	-9066.4	MT	-3110.3	N	-1180.3	TZ	-1276.9	TY	-15.0
TENSIONI (Sz=0.00) :														
Caso	1-1	Ve	No	massi	mi	Sx	Tz	Ty	Si					
1-1	si	3	Sx	Si		1261.3	0.0	70.2	1267.1					
5-10	si	7	Tz			-577.2	-47.9	0.0	583.1					
5-10	si	5	Ty			-709.5	0.0	125.4	742.0					
5-10	si	1		Si		-1257.2	0.0	124.8	1275.6					
----- PROGR. 14.														
SOLLECI TAZI ONI :														
Caso	1-1		MZ	96006.4	MY	-2175.0	MT	-1748.4	N	2593.1	TZ	-863.8	TY	-151.6
5-10			MZ	72925.1	MY	-2998.7	MT	-3110.3	N	-1182.2	TZ	-1276.9	TY	-18.9
TENSIONI (Sz=0.00) :														
Caso	1-1	Ve	No	massi	mi	Sx	Tz	Ty	Si					
1-1	si	3	Sx	Si		948.0	0.0	70.2	955.8					
5-10	si	7	Tz			-576.5	-47.9	0.0	582.4					
5-10	si	5	Ty			-254.5	0.0	125.5	334.7					
----- PROGR. 19.														
SOLLECI TAZI ONI :														
Caso	1-1		MZ	95272.8	MY	1930.3	MT	-1748.4	N	2590.3	TZ	-863.8	TY	-157.1
5-10			MZ	72805.9	MY	3077.7	MT	-3110.3	N	-1184.2	TZ	-1276.9	TY	-22.8
TENSIONI (Sz=0.00) :														
Caso	1-1	Ve	No	massi	mi	Sx	Tz	Ty	Si					
1-1	si	4	Sx	Si		924.1	0.0	70.2	932.0					
5-10	si	7	Tz			-575.6	-47.9	0.0	581.6					
5-10	si	5	Ty			201.2	0.0	125.7	296.4					
----- PROGR. 24.														
SOLLECI TAZI ONI :														

Caso	MZ	MY	MT	N	TZ	TY	
5-10	72668.3	9142.4	-3110.3	-1186.1	-1276.9	-26.7	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	2	Sx	-1260.3	0.0	124.8	1278.8
5-10	si	7	Tz	-574.7	-47.9	0.0	580.6
5-10	si	5	Ty	656.0	0.0	125.8	691.3

Caso	MZ	MY	MT	N	TZ	TY	
5-10	72512.5	15210.2	-3110.3	-1188.1	-1276.9	-30.6	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	2	Sx	-1714.3	0.0	124.8	1727.9
5-10	si	7	Tz	-573.5	-47.9	0.0	579.5
5-10	si	5	Ty	1111.1	0.0	126.0	1132.3

Caso	MZ	MY	MT	N	TZ	TY	
5-10	72338.2	21278.5	-3110.3	-1190.0	-1276.9	-34.5	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	2	Sx	-2168.2	0.0	124.8	2178.9
5-10	si	7	Tz	-572.3	-47.9	0.0	578.3
5-10	si	5	Ty	1566.1	0.0	126.1	1581.3

Caso	MZ	MY	MT	N	TZ	TY	
5-10	72145.6	27347.0	-3110.3	-1191.9	-1276.9	-38.3	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	2	Sx	-2621.9	0.0	124.8	2630.8
5-10	si	7	Tz	-570.9	-47.9	0.0	576.9
5-10	si	5	Ty	2021.2	0.0	126.3	2033.0

VERIFICA STABILITA' :

Z	LO = 38.	Ro = 5.77	Im = 6.6	Ncr = 19117192.6	al fa(c) = 0.4900	ki = 1.0000
Y	Lc = 38.	Ro = 0.58	Im = 65.9	Ncr = 191171.9	al fa(c) = 0.4900	ki = 0.6234
Caso 5-10 - Nodo 2 - Asse Y						
Ned =	-1191.9	Mzeq = 73172.8	Myeq = 20510.2	Ss = -2144.5	( 0.634)	

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 266- 25) 262  
0. PROGR.

Caso	MZ	MY	MT	N	TZ	TY	
1-1	73090.0	-1491.3	2614.7	3087.9	-154.1	-1117.8	
5-10	59236.9	-1662.2	-7692.9	-131.9	-906.2	-905.1	
5-7	29200.1	1111.3	8970.0	2828.8	845.4	-143.1	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	3	Sx	737.2	0.0	104.9	759.3
5-10	si	7	Tz	-447.6	-34.0	0.0	451.4
5-7	si	5	Ty	154.1	0.0	365.4	651.3
5-10	si	1	Si	-572.2	0.0	308.7	783.2

Caso	MZ	MY	MT	N	TZ	TY	
1-1	71917.7	-1329.8	2614.7	3087.3	-154.1	-1119.1	
5-10	58307.2	-727.0	-7692.9	-132.3	-906.2	-906.0	
5-7	29030.3	239.8	8970.0	2828.4	845.4	-143.9	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	3	Sx	716.3	0.0	104.9	739.0
5-10	si	7	Tz	-440.6	-34.0	0.0	444.5
5-7	si	5	Ty	88.7	0.0	365.4	639.1

Caso	MZ	MY	MT	N	TZ	TY	
1-1	70744.1	-1168.3	2614.7	3086.7	-154.1	-1120.3	
5-10	57376.9	238.9	-7692.9	-132.8	-906.2	-906.8	
5-7	28859.1	-662.4	8970.0	2827.9	845.4	-144.8	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	3	Sx	695.4	0.0	104.9	718.7
5-10	si	7	Tz	-433.6	-34.0	0.0	437.6
5-7	si	5	Ty	21.0	0.0	365.4	633.3

Caso	MZ	MY	MT	N	TZ	TY	
1-1	69569.2	-1006.9	2614.7	3086.1	-154.1	-1121.5	
5-10	56446.2	1291.2	-7692.9	-133.2	-906.2	-907.7	
5-7	28686.7	-1650.9	8970.0	2827.5	845.4	-145.6	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	3	Sx	674.4	0.0	104.9	698.5
5-10	si	7	Tz	-426.7	-34.0	0.0	430.7
5-7	si	5	Ty	-53.1	0.0	365.5	635.2
5-10	si	2	Si	-523.5	0.0	308.7	748.4

Caso	MZ	MY	MT	N	TZ	TY	
1-1	68393.0	-845.4	2614.7	3085.5	-154.1	-1122.7	
5-10	55515.1	2231.2	-7692.9	-133.6	-906.2	-908.6	
5-7	28512.9	-2527.2	8970.0	2827.1	845.4	-146.5	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	3	Sx	653.5	0.0	104.9	678.3
5-10	si	7	Tz	-419.7	-34.0	0.0	423.8
5-7	si	5	Ty	-118.9	0.0	365.5	644.1
5-10	si	2	Si	-587.0	0.0	308.7	794.1

Caso	MZ	MY	MT	N	TZ	TY	
5-10	54583.5	3173.5	-7692.9	-134.0	-906.2	-909.4	
5-7	28337.7	-3405.7	8970.0	2826.7	845.4	-147.3	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	2	Sx	-650.7	0.0	308.7	842.3
5-10	si	7	Tz	-412.7	-34.0	0.0	416.9
5-7	si	5	Ty	-184.8	0.0	365.5	659.5

SOLLECI TAZI ONI :								
Caso	MZ	MY	MT	N	TZ	TY		
5-10	53651.5	4117.3	-7692.9	-134.5	-906.2	-910.3		
5-7	28161.1	-4285.8	8970.0	2826.2	845.4	-148.2		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-10	si	2	Sx	-714.5	0.0	308.7	892.5	
5-10	si	7	Tz	-405.7	-34.0	0.0	410.0	
5-7	si	5	Ty	-250.8	0.0	365.6	681.0	
							PROGR.	7.

SOLLECI TAZI ONI :								
Caso	MZ	MY	MT	N	TZ	TY		
5-10	52719.2	5062.3	-7692.9	-134.9	-906.2	-911.1		
5-7	27983.1	-5167.1	8970.0	2825.8	845.4	-149.1		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-10	si	2	Sx	-778.4	0.0	308.7	944.4	
5-10	si	7	Tz	-398.8	-34.0	0.0	403.1	
5-7	si	5	Ty	-316.9	0.0	365.6	708.1	
							PROGR.	8.

SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
5-10	51786.6	6008.2	-7692.9	-135.3	-906.2	-912.0	
5-7	27803.5	-6049.3	8970.0	2825.4	845.4	-149.9	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	2	Sx	-842.4	0.0	308.7	997.8
5-10	si	7	Tz	-391.8	-34.0	0.0	396.2
5-7	si	5	Ty	-383.1	0.0	365.6	740.1

VERI FI CA STABI LI TA` :

Z	LO = 8	Ro = 5.77	Im = 1.5	Ncr=393029579.6	al fa(c) =0.4900	ki =1.0000
Y	Lc = 8	Ro = 0.58	Im = 14.5	Ncr= 3930295.7	al fa(c) =0.4900	ki =1.0000
Caso 5-10 - Nod	2 - Asse Y					
Ned =	-135.3	Mzeq =	59236.9	Myeq =	4506.1	Ss = -785.6 ( 0.232)

RETTANGOLARE\_S003 ( 3) stato limite ultimo - ASTA ( 7- 108) 263  
PROGR. 0.

SOLLECI TAZI ONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	-47736.1	200.7	-23.1	-312.3	29.3	1383.9		
4-5	-25284.1	-1795.6	-1462.2	675.8	-339.5	664.9		
4-16	-28360.4	1287.3	2422.6	422.1	111.6	722.6		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	-380.9	0.0	0.9	380.9	
4-5	si	7	Tz	206.5	-12.7	0.0	207.7	
4-16	si	5	Ty	107.1	0.0	-124.3	240.5	
							PROGR.	1.

SOLLECI TAZI ONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	-46237.9	169.0	-23.1	-311.7	29.3	1382.6		
4-5	-24558.1	-1428.8	-1462.2	676.3	-339.5	664.1		
4-16	-27584.6	1167.4	2422.6	422.5	111.6	721.7		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	-367.3	0.0	0.9	367.3	
4-5	si	7	Tz	201.1	-12.7	0.0	202.3	
4-16	si	5	Ty	98.1	0.0	-124.3	236.6	
							PROGR.	2.

SOLLECI TAZI ONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	-44741.1	137.2	-23.1	-311.1	29.3	1381.4		
4-5	-23832.1	-1062.4	-1462.2	676.7	-339.5	663.2		
4-16	-26810.7	1047.8	2422.6	423.0	111.6	720.8		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	-353.6	0.0	0.9	353.6	
4-5	si	7	Tz	195.7	-12.7	0.0	196.9	
4-16	si	5	Ty	89.2	0.0	-124.3	233.0	
							PROGR.	3.

SOLLECI TAZI ONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	-43245.7	105.4	-23.1	-310.4	29.3	1380.1		
4-5	-23106.0	-696.7	-1462.2	677.2	-339.5	662.3		
4-16	-26038.9	928.8	2422.6	423.4	111.6	719.9		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	-340.0	0.0	0.9	340.0	
4-5	si	7	Tz	190.2	-12.7	0.0	191.5	
4-16	si	5	Ty	80.2	0.0	-124.2	229.6	
							PROGR.	4.

SOLLECI TAZI ONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	-41751.6	73.7	-23.1	-309.8	29.3	1378.8		
4-5	-22379.5	-332.2	-1462.2	677.6	-339.5	661.4		
4-16	-25269.2	811.2	2422.6	423.9	111.6	719.0		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	-326.4	0.0	0.9	326.4	
4-5	si	7	Tz	184.8	-12.7	0.0	186.1	
4-16	si	5	Ty	71.4	0.0	-124.2	226.7	
							PROGR.	5.

SOLLECI TAZI ONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	-40258.9	41.9	-23.1	-309.2	29.3	1377.6		
4-5	-21652.5	28.7	-1462.2	678.1	-339.5	660.5		
4-16	-24502.1	697.0	2422.6	424.3	111.6	718.1		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	-312.8	0.0	0.9	312.8	
4-5	si	7	Tz	179.3	-12.7	0.0	180.7	
4-16	si	5	Ty	62.9	0.0	-124.2	224.1	
							PROGR.	6.

SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1-1	-38767.5	10.1	-23.1	-308.5	29.3	1376.3	
4-5	-20924.7	366.5	-1462.2	678.5	-339.5	659.6	
4-16	-23737.6	606.1	2422.6	424.8	111.6	717.2	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si

1- 1	si	3	Sx	Si	-299.2	0.0	0.9	299.2
4- 5	si	7	Tz		173.9	-12.7	0.0	175.3
4-16	si	5	Ty		56.1	0.0	-124.1	222.2

----- PROGR. 8.

SOLLECI TAZI ONI :													
Caso			MZ		MY		MT		N		TZ		TY
1- 1			-37277.6		-21.6		-23.1		-307.9		29.3		1375.0
4- 5			-20195.7		781.6		-1462.2		678.9		-339.5		658.7
4-16			-22976.3		437.8		2422.6		425.2		111.6		716.4

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi		Sx		Tz		Ty		Si		
1- 1	si	4	Sx	Si	-288.9		0.0		0.9		288.9		
4- 5	si	7	Tz		168.4		-12.7		0.0		169.9		
4-16	si	5	Ty		43.5		0.0		-124.1		219.3		

----- PROGR. 9.

SOLLECI TAZI ONI :													
Caso			MZ		MY		MT		N		TZ		TY
1- 1			-35789.0		-53.4		-23.1		-307.3		29.3		1373.8
4- 5			-19465.3		1126.8		-1462.2		679.4		-339.5		657.9
4-16			-22218.3		339.4		2422.6		425.6		111.6		715.5
4- 7			-21351.0		1178.6		-1146.6		1026.6		-318.2		638.9

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi		Sx		Tz		Ty		Si		
1- 1	si	4	Sx	Si	-280.1		0.0		0.9		280.1		
4- 5	si	7	Tz		163.0		-12.7		0.0		164.5		
4-16	si	5	Ty		36.1		0.0		-124.1		217.9		
4- 7	si	1	Si		274.2		0.0		46.0		285.5		

VERIFI CA STABI LI TA` :

Z | LO = 9. | Ro = 5.77 | Im = 1.5 | Ncr=368081812.3 | al fa(c) =0.4900 | ki =1.0000 |  
 Y | Lc = 9. | Ro = 0.58 | Im = 15.0 | Ncr= 3680818.0 | al fa(c) =0.4900 | ki =1.0000 |

Caso 1- 1 - Nodo 3 - Asse Y  
 Ned = -312.3 | Mzeq = -47736.1 | Myeq = 150.6 | Ss = -377.1 ( 0.112)

RETTANGOLARE\_S003 ( 3) stato limite ultimo - ASTA ( 108- 110) 264  
 ----- PROGR. 0.

SOLLECI TAZI ONI :													
Caso			MZ		MY		MT		N		TZ		TY
4-16			-22129.1		4481.5		-25.8		407.3		220.4		604.8
1- 1			-35817.6		-1608.8		-2478.3		-214.5		-40.3		1163.0

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi		Sx		Tz		Ty		Si		
4-16	si	1	Sx	Si	512.3		0.0		1.0		512.3		
4-16	si	7	Tz		176.2		8.3		0.0		176.7		
1- 1	si	5	Ty		-126.0		0.0		-143.1		278.0		

----- PROGR. 5.

SOLLECI TAZI ONI :													
Caso			MZ		MY		MT		N		TZ		TY
4-16			-19064.9		3356.0		-25.8		409.4		220.4		600.6
1- 1			-29892.7		-1402.7		-2478.3		-211.5		-40.3		1157.1

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi		Sx		Tz		Ty		Si		
4-16	si	1	Sx	Si	404.9		0.0		1.0		404.9		
4-16	si	7	Tz		153.2		8.3		0.0		153.9		
1- 1	si	5	Ty		-110.5		0.0		-142.9		271.0		

----- PROGR. 10.

SOLLECI TAZI ONI :													
Caso			MZ		MY		MT		N		TZ		TY
4-16			-16033.5		2230.6		-25.8		411.5		220.4		596.4
1- 1			-23998.2		-1196.7		-2478.3		-208.6		-40.3		1151.1

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi		Sx		Tz		Ty		Si		
4-16	si	1	Sx	Si	297.8		0.0		1.0		297.8		
4-16	si	7	Tz		130.5		8.3		0.0		131.3		
1- 1	si	5	Ty		-95.0		0.0		-142.6		264.7		
1- 1	si	4	Si		-274.9		0.0		99.5		324.5		

----- PROGR. 15.

SOLLECI TAZI ONI :													
Caso			MZ		MY		MT		N		TZ		TY
1- 1			-18134.3		-990.6		-2478.3		-205.6		-40.3		1145.1
4-16			-13044.3		1105.3		-25.8		413.6		220.4		592.3

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi		Sx		Tz		Ty		Si		
1- 1	si	4	Sx	Si	-215.4		0.0		99.5		275.8		
4-16	si	7	Tz		108.2		8.3		0.0		109.1		
1- 1	si	5	Ty		-79.4		0.0		-142.4		259.1		

----- PROGR. 20.

SOLLECI TAZI ONI :													
Caso			MZ		MY		MT		N		TZ		TY
1- 1			-12300.9		-784.5		-2478.3		-202.6		-40.3		1139.1
4-16			-9648.4		-18.9		-25.8		415.6		220.4		588.1

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi		Sx		Tz		Ty		Si		
1- 1	si	4	Sx	Si	-156.2		0.0		99.5		232.5		
4-16	si	7	Tz		82.8		8.3		0.0		84.0		
1- 1	si	5	Ty	Si	-63.9		0.0		-142.2		254.4		

----- PROGR. 26.

SOLLECI TAZI ONI :													
Caso			MZ		MY		MT		N		TZ		TY
4-16			-6722.8		-1146.7		-25.8		417.7		220.4		583.9
1- 1			-6498.0		-578.4		-2478.3		-199.6		-40.3		1133.2

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi		Sx		Tz		Ty		Si		
4-16	si	2	Sx	Si	146.9		0.0		1.0		146.9		
4-16	si	7	Tz		60.9		8.3		0.0		62.5		
1- 1	si	5	Ty	Si	-48.4		0.0		-142.0		250.6		

----- PROGR. 31.

SOLLECI TAZI ONI :													
Caso			MZ		MY		MT		N		TZ		TY
4-16			-3789.4		-2271.9		-25.8		419.8		220.4		579.7
1- 1			-725.6		-372.4		-2478.3		-196.6		-40.3		1127.2

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi		Sx		Tz		Ty		Si		
4-16	si	2	Sx	Si	209.3		0.0		1.0		209.3		
4-16	si	7	Tz		38.9		8.3		0.0		41.5		
1- 1	si	5	Ty	Si	-32.8		0.0		-141.7		247.7		

----- PROGR. 36.

SOLLECI TAZI ONI :													
Caso			MZ		MY		MT		N		TZ		TY
4-16			-860.5		-3397.2		-25.8		421.9		220.4		575.5
1- 1			5016.2		-166.3		-2478.3		-193.6		-40.3		1121.2

4-1	6838.6	2737.6	-1664.0	-451.6	-214.5	556.7
TENSIONI (Sz=0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
4-16	si	2	Sx	271.8	0.0	1.0
4-16	si	7	Tz	17.0	8.3	0.0
1-1	si	5	Ty	-17.3	0.0	-141.5
4-1	si	2	Si	-267.9	0.0	66.8

41.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
4-1	9683.7	3833.3	-1664.0	-449.5	-214.5	552.5
4-16	2055.9	-4522.7	-25.8	424.0	220.4	571.4
1-1	10727.5	39.8	-2478.3	-190.6	-40.3	1115.2

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
4-1	si	2	Sx	-371.4	0.0	66.8
4-16	si	7	Tz	-4.8	8.3	0.0
1-1	si	5	Ty	-1.8	0.0	-141.3

VERIFICA STABILITA' :

Z	LO = 41.	Ro = 5.77	Im = 7.1	Ncr= 16552402.9	al fa(c)=0.4900	ki=1.0000
Y	Lc = 41.	Ro = 0.58	Im = 70.8	Ncr= 165524.0	al fa(c)=0.4900	ki=0.5838
Caso 4-1 - Nodo 4 - Asse Y						
Ned =	-466.2	Mzeq = -10063.5	Myeq = -3699.3	Ss = -373.7	( 0.111)	

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 110- 44 ) 265  
0. PROGR.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
4-2	9681.3	-5890.7	-2405.7	-313.2	-243.2	403.6
4-15	2047.1	3691.1	-4403.9	381.7	270.7	429.1
1-1	10598.8	-3432.3	-8404.6	-52.2	-2.9	820.0

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
4-2	si	1	Sx	-522.2	0.0	96.5
4-15	si	7	Tz	-5.8	10.2	0.0
1-1	si	5	Ty	-258.7	0.0	-368.1

4.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
4-2	11478.3	-4833.6	-2405.7	-311.5	-243.2	400.1
4-15	3854.4	2514.5	-4403.9	383.4	270.7	425.6
1-1	14152.2	-3419.5	-8404.6	-49.6	-2.9	814.9

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
4-2	si	1	Sx	-456.4	0.0	96.5
4-15	si	7	Tz	-19.3	10.2	0.0
1-1	si	5	Ty	-257.7	0.0	-367.9

9.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
4-2	13254.3	-3776.7	-2405.7	-309.7	-243.2	396.5
4-15	5651.9	1338.2	-4403.9	385.2	270.7	422.0
1-1	17683.4	-3406.7	-8404.6	-47.1	-2.9	809.8

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
4-2	si	1	Sx	-390.4	0.0	96.5
4-15	si	7	Tz	-32.8	10.2	0.0
1-1	si	5	Ty	-256.7	0.0	-367.7

13.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
1-1	21192.6	-3393.9	-8404.6	-44.5	-2.9	804.7
4-15	7439.2	162.3	-4403.9	387.0	270.7	418.4

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
1-1	si	1	Sx	-414.6	0.0	337.3
4-15	si	7	Tz	-46.1	10.2	0.0
1-1	si	5	Ty	-255.7	0.0	-367.5

17.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
1-1	24679.6	-3381.2	-8404.6	-42.0	-2.9	799.6
4-15	9216.1	-1008.5	-4403.9	388.8	270.7	414.9

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
1-1	si	1	Sx	-439.7	0.0	337.3
4-15	si	7	Tz	-59.4	10.2	0.0
1-1	si	5	Ty	-254.6	0.0	-367.3

22.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
1-1	28144.5	-3368.4	-8404.6	-39.5	-2.9	794.6
4-15	10982.1	-2197.0	-4403.9	390.5	270.7	411.3

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
1-1	si	1	Sx	-464.7	0.0	337.3
4-15	si	7	Tz	-72.6	10.2	0.0
1-1	si	5	Ty	-253.6	0.0	-367.1

26.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
1-1	31587.3	-3355.6	-8404.6	-36.9	-2.9	789.5
4-15	12736.9	-3371.3	-4403.9	392.3	270.7	407.8

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
1-1	si	1	Sx	-489.5	0.0	337.3
4-15	si	7	Tz	-85.7	10.2	0.0
1-1	si	5	Ty	-252.6	0.0	-366.9

30.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
1-1	35008.0	-3342.8	-8404.6	-34.4	-2.9	784.4
4-15	14479.8	-4547.4	-4403.9	394.1	270.7	404.2

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
1-1	si	1	Sx	-514.1	0.0	337.3
4-15	si	7	Tz	-98.7	10.2	0.0
1-1	si	5	Ty	-251.6	0.0	-366.7

----- PROGR. 35.

SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
4-16	16309.0	-5743.8	-4467.6	370.9	270.5	402.0	
4-15	16210.3	-5723.9	-4403.9	395.9	270.7	400.7	
1- 1	38406.6	-3330.0	-8404.6	-31.8	-2.9	779.3	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-16	si	3	Sx	562.4	0.0	179.3	642.4
4-15	si	7	Tz	-111.7	10.2	0.0	113.1
1- 1	si	5	Ty	-250.5	0.0	-366.5	682.5
1- 1	si	1	Si	-538.6	0.0	337.3	794.6

----- VERI F I CA STABI LI TA` :

Z | LO = 35. | Ro = 5.77 | Im = 6.0 | Ncr= 22851963.4 | al fa(c)=0.4900 | ki=1.0000 |  
 Y | Lc = 35. | Ro = 0.58 | Im = 60.2 | Ncr= 228519.6 | al fa(c)=0.4900 | ki=0.6695 |  
 Caso 4- 2 - Nodo 1 - Asse Y  
 Ned = -313.2 | Mzeq = 21698.1 | Myeq = -4418.0 | Ss = -506.2 ( 0.150)

RETTANGOLARE\_S003 ( 3) stato limite ultimo - ASTA ( 44- 112) 266  
 ----- PROGR. 0.

SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	37314.4	10992.7	19392.6	-143.7	240.5	1042.0	
4-16	15506.8	1928.4	10590.7	341.3	409.6	502.9	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-1107.9	0.0	778.3	1744.9
4-16	si	7	Tz	-107.8	15.4	0.0	111.0
1- 1	si	5	Ty	820.9	0.0	-817.4	1636.5

SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	38106.6	10809.8	19392.6	-143.3	240.5	1041.1	
4-16	15887.8	1617.8	10590.7	341.6	409.6	502.3	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-1100.1	0.0	778.3	1740.0
4-16	si	7	Tz	-110.6	15.4	0.0	113.8
1- 1	si	5	Ty	807.2	0.0	-817.3	1629.6

SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	38898.2	10626.9	19392.6	-142.8	240.5	1040.2	
4-16	16268.4	1307.1	10590.7	341.9	409.6	501.6	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-1092.3	0.0	778.3	1735.1
4-16	si	7	Tz	-113.5	15.4	0.0	116.5
1- 1	si	5	Ty	793.4	0.0	-817.3	1622.8

SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	39689.0	10444.0	19392.6	-142.4	240.5	1039.3	
4-16	16648.6	996.2	10590.7	342.2	409.6	501.0	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-1084.5	0.0	778.3	1730.2
4-16	si	7	Tz	-116.3	15.4	0.0	119.3
1- 1	si	5	Ty	779.7	0.0	-817.3	1616.1

SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	40479.2	10261.1	19392.6	-141.9	240.5	1038.4	
4-16	17028.3	685.3	10590.7	342.5	409.6	500.4	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-1076.7	0.0	778.3	1725.3
4-16	si	7	Tz	-119.1	15.4	0.0	122.1
1- 1	si	5	Ty	766.0	0.0	-817.2	1609.5

SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	41268.7	10078.1	19392.6	-141.5	240.5	1037.5	
4-16	17407.6	374.2	10590.7	342.8	409.6	499.8	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-1068.9	0.0	778.3	1720.4
4-16	si	7	Tz	-122.0	15.4	0.0	124.9
1- 1	si	5	Ty	752.3	0.0	-817.2	1603.0

SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	42057.5	9895.2	19392.6	-141.1	240.5	1036.6	
4-16	17786.4	63.2	10590.7	343.2	409.6	499.1	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-1061.1	0.0	778.3	1715.6
4-16	si	7	Tz	-124.8	15.4	0.0	127.6
1- 1	si	5	Ty	738.6	0.0	-817.2	1596.5

SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	42845.6	9712.3	19392.6	-140.6	240.5	1035.7	
4-16	18164.8	-248.0	10590.7	343.5	409.6	498.5	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-1053.3	0.0	778.3	1710.7
4-16	si	7	Tz	-127.6	15.4	0.0	130.4
1- 1	si	5	Ty	724.9	0.0	-817.1	1590.2

SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	43633.1	9529.4	19392.6	-140.2	240.5	1034.8	
4-16	18542.8	-559.2	10590.7	343.8	409.6	497.9	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-1045.5	0.0	778.3	1705.9
4-16	si	7	Tz	-130.5	15.4	0.0	133.2
1- 1	si	5	Ty	711.2	0.0	-817.1	1583.9

VERIFI CA STABI LI TA` :

Z | LO = 6. | Ro = 5.77 | Im = 1.1 | Ncr=746339667.8 | al fa(c )=0.4900 | ki=1.0000 |  
 Y | Lc = 6. | Ro = 0.58 | Im = 10.5 | Ncr= 7463396.5 | al fa(c )=0.4900 | ki=1.0000 |  
 Caso 1- 1 - Nodo 2 - Asse Y  
 Ned = -143.7 | Mzeq = 43633.1 | Myeq = 10992.7 | Ss = -1155.3 ( 0.342 )

RETTANGOLARE\_S003 ( 3 ) stato li mi te ul ti mo - ASTA ( 112- 114 ) 267  
 PROGR. 0.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	43489.8	6864.4	6525.0	-32.4	228.6	597.5
4-15	18446.4	7024.6	3103.3	325.3	295.7	283.5

TENSIO NI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-841.8	0.0	261.9	956.2
4-15	si	7	Tz	-130.2	11.1	0.0	131.6
1- 1	si	5	Ty	514.0	0.0	-284.3	711.8

PROGR. 5.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	46526.2	5697.1	6525.0	-29.4	228.6	591.5
4-15	19941.5	5514.2	3103.3	327.4	295.7	279.3

TENSIO NI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-777.0	0.0	261.9	899.7
4-15	si	7	Tz	-141.4	11.1	0.0	142.7
1- 1	si	5	Ty	426.5	0.0	-284.1	651.2

PROGR. 10.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	49532.1	4529.7	6525.0	-26.4	228.6	585.5
4-15	21421.2	4003.8	3103.3	329.5	295.7	275.1

TENSIO NI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-711.9	0.0	261.9	844.1
4-15	si	7	Tz	-152.4	11.1	0.0	153.6
1- 1	si	5	Ty	339.1	0.0	-283.8	597.2

PROGR. 15.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	52507.5	3362.4	6525.0	-23.4	228.6	579.6
4-15	22885.6	2493.7	3103.3	331.5	295.7	270.9

TENSIO NI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-646.6	0.0	261.9	789.8
4-15	si	7	Tz	-163.4	11.1	0.0	164.5
1- 1	si	5	Ty	251.6	0.0	-283.6	551.9

PROGR. 20.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	55452.3	2195.1	6525.0	-20.5	228.6	573.6
4-15	24334.6	939.4	3103.3	333.6	295.7	266.8

TENSIO NI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-581.0	0.0	261.9	737.1
4-15	si	7	Tz	-174.2	11.1	0.0	175.2
1- 1	si	5	Ty	164.1	0.0	-283.4	517.5

PROGR. 26.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	58366.7	1027.7	6525.0	-17.5	228.6	567.6
4-15	25767.9	-529.2	3103.3	335.7	295.7	262.6

TENSIO NI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-515.3	0.0	261.9	686.5
4-15	si	7	Tz	-184.9	11.1	0.0	185.9
1- 1	si	5	Ty	76.6	0.0	-283.2	496.4

PROGR. 31.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	61250.5	-139.6	6525.0	-14.5	228.6	561.6
4-15	27185.0	-2039.2	3103.3	337.8	295.7	258.4

TENSIO NI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-470.2	0.0	261.9	653.3
4-15	si	7	Tz	-195.4	11.1	0.0	196.4
1- 1	si	5	Ty	-10.8	0.0	-282.9	490.2

PROGR. 36.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	64103.8	-1306.9	6525.0	-11.5	228.6	555.7
4-15	28585.7	-3549.5	3103.3	339.9	295.7	254.2

TENSIO NI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-579.1	0.0	261.9	735.6
4-15	si	7	Tz	-205.9	11.1	0.0	206.8
1- 1	si	5	Ty	-98.3	0.0	-282.7	499.4

PROGR. 41.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	66926.5	-2474.3	6525.0	-8.5	228.6	549.7
4-15	29969.3	-5060.0	3103.3	342.0	295.7	250.1

TENSIO NI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-687.7	0.0	261.9	823.8
4-15	si	7	Tz	-216.2	11.1	0.0	217.1
1- 1	si	5	Ty	-185.8	0.0	-282.5	523.4

VERIFI CA STABI LI TA` :

Z | LO = 41. | Ro = 5.77 | Im = 7.1 | Ncr= 16552402.9 | al fa(c )=0.4900 | ki=1.0000 |  
 Y | Lc = 41. | Ro = 0.58 | Im = 70.8 | Ncr= 165524.0 | al fa(c )=0.4900 | ki=0.5838 |  
 Caso 1- 1 - Nodo 2 - Asse Y  
 Ned = -32.4 | Mzeq = 66926.5 | Myeq = 5148.3 | Ss = -889.5 ( 0.263 )

RETTANGOLARE\_S003 ( 3 ) stato li mi te ul ti mo - ASTA ( 114- 116 ) 268  
 PROGR. 0.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
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1- 1		66874.6		4207.1		-183.7		-90.6		209.5		229.7	
4- 9		39876.7		745.1		-531.0		-1444.8		38.0		83.5	
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massi										
1- 1	si	2	Sx	Si	Sx	Tz	Ty	Si					
1- 1	si	7	Tz		-819.4	0.0	7.4	819.5					
4- 9	si	5	Ty		-503.8	7.9	0.0	504.0					
					19.8	0.0	-24.4	46.7					
----- PROGR. 5.													
SOLLECI TAZI ONI :													
Caso			MZ		MY		MT		N		TZ		TY
1- 1			68032.3		3137.3		-183.7		-87.6		209.5		223.7
4- 9			40370.4		541.6		-531.0		-1442.7		38.0		79.4
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massi										
1- 1	si	2	Sx	Si	Sx	Tz	Ty	Si					
1- 1	si	7	Tz		-747.7	0.0	7.4	747.8					
4- 9	si	5	Ty		-512.4	7.9	0.0	512.6					
					4.6	0.0	-24.3	42.3					
----- PROGR. 10.													
SOLLECI TAZI ONI :													
Caso			MZ		MY		MT		N		TZ		TY
1- 1			69159.6		2067.5		-183.7		-84.6		209.5		217.7
4- 9			40850.0		329.5		-531.0		-1440.6		38.0		75.2
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massi										
1- 1	si	2	Sx	Si	Sx	Tz	Ty	Si					
1- 1	si	7	Tz		-675.9	0.0	7.4	676.0					
4- 9	si	5	Ty		-520.8	7.9	0.0	521.0					
					-11.3	0.0	-24.1	43.3					
----- PROGR. 15.													
SOLLECI TAZI ONI :													
Caso			MZ		MY		MT		N		TZ		TY
1- 1			70256.3		997.7		-183.7		-81.6		209.5		211.7
4- 9			41315.3		93.2		-531.0		-1438.5		38.0		71.0
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massi										
1- 1	si	2	Sx	Si	Sx	Tz	Ty	Si					
1- 1	si	7	Tz		-603.8	0.0	7.4	603.9					
4- 9	si	5	Ty		-529.0	7.9	0.0	529.1					
					-29.0	0.0	-24.0	50.6					
----- PROGR. 20.													
SOLLECI TAZI ONI :													
Caso			MZ		MY		MT		N		TZ		TY
1- 1			71322.5		-72.2		-183.7		-78.6		209.5		205.8
4- 9			40162.9		-216.1		-531.0		-1436.4		38.0		66.8
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massi										
1- 1	si	1	Sx	Si	Sx	Tz	Ty	Si					
1- 1	si	7	Tz		-542.3	0.0	7.4	542.4					
4- 9	si	5	Ty		-536.9	7.9	0.0	537.1					
					-52.1	0.0	-23.8	66.5					
----- PROGR. 26.													
SOLLECI TAZI ONI :													
Caso			MZ		MY		MT		N		TZ		TY
1- 1			72358.1		-1142.0		-183.7		-75.6		209.5		199.8
4- 9			40538.9		-597.1		-531.0		-1434.3		38.0		62.7
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massi										
1- 1	si	1	Sx	Si	Sx	Tz	Ty	Si					
1- 1	si	7	Tz		-630.2	0.0	7.4	630.4					
4- 9	si	5	Ty		-544.6	7.9	0.0	544.7					
					-80.6	0.0	-23.7	90.5					
----- PROGR. 31.													
SOLLECI TAZI ONI :													
Caso			MZ		MY		MT		N		TZ		TY
1- 1			73363.3		-2211.8		-183.7		-72.7		209.5		193.8
4- 9			40888.2		-346.0		-531.0		-1432.2		38.0		58.5
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massi										
1- 1	si	1	Sx	Si	Sx	Tz	Ty	Si					
1- 1	si	7	Tz		-717.9	0.0	7.4	718.0					
4- 9	si	5	Ty		-552.0	7.9	0.0	552.2					
					-61.8	0.0	-23.5	74.0					
----- PROGR. 36.													
SOLLECI TAZI ONI :													
Caso			MZ		MY		MT		N		TZ		TY
1- 1			74337.9		-3281.6		-183.7		-69.7		209.5		187.8
4- 9			41211.6		-552.8		-531.0		-1430.2		38.0		54.3
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massi										
1- 1	si	1	Sx	Si	Sx	Tz	Ty	Si					
1- 1	si	7	Tz		-805.4	0.0	7.4	805.5					
4- 9	si	5	Ty		-559.3	7.9	0.0	559.4					
					-77.2	0.0	-23.3	87.2					
----- PROGR. 41.													
SOLLECI TAZI ONI :													
Caso			MZ		MY		MT		N		TZ		TY
1- 1			75282.0		-4351.4		-183.7		-66.7		209.5		181.9
4- 9			41509.6		-754.1		-531.0		-1428.1		38.0		50.1
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massi										
1- 1	si	1	Sx	Si	Sx	Tz	Ty	Si					
1- 1	si	7	Tz		-892.6	0.0	7.4	892.7					
4- 9	si	5	Ty		-566.3	7.9	0.0	566.4					
					-92.3	0.0	-23.2	100.6					

VERI F I C A S T A B I L I T A ` :

Z | LO = 41. | Ro = 5.77 | Im = 7.1 | Ncr= 16552403.2 | al fa(c )=0.4900 | ki=1.0000  
Y | Lc = 41. | Ro = 0.58 | Im = 70.8 | Ncr= 165524.0 | al fa(c )=0.4900 | ki=0.5838  
Caso 1- 1 - Nodo 1 - Asse Y  
Ned = -90.6 | Mzeq = 75282.0 | Myeq = -3263.6 | Ss = -813.4 ( 0.241)

RETTANGOLARE\_S003 ( 3) stato limite ultimo - ASTA ( 116- 118) 269  
----- PROGR. 0.

SOLLECI TAZI ONI :													
Caso			MZ		MY		MT		N		TZ		TY
1- 1			75393.4		2964.8		-7440.5		-147.7		268.8		-141.0
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massi										
1- 1	si	2	Sx	Si	Sx	Tz	Ty	Si					
1- 1	si	7	Tz		-791.5	0.0	298.6	945.5					
1- 1	si	5	Ty		-569.1	10.1	0.0	569.4					
					218.7	0.0	303.9	570.0					
----- PROGR. 5.													

SOLLECI TAZI ONI :													
Caso			MZ		MY		MT		N		TZ		TY
1- 1			74658.1		1591.8		-7440.5		-144.7		268.8		-147.0
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massi										
1- 1	si	2	Sx	Si	Sx	Tz	Ty	Si					
1- 1	si	7	Tz		-682.9	0.0	298.6	856.7					



1-1	si	7	Tz	-563.6	10.1	0.0	563.8		
1-1	si	5	Ty	115.8	0.0	304.1	539.3		
----- PROGR. 10.									
SOLLECI TAZI ONI :									
Caso	1-1		MZ	MY	MT	N	TZ	TY	
TENSIONI (Sz=			73892.3	218.8	-7440.5	-141.7	268.8	-152.9	
0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1-1	si	2	Sx	-574.1	0.0	298.6	772.8		
1-1	si	7	Tz	-557.7	10.1	0.0	558.0		
1-1	si	5	Ty	12.9	0.0	304.3	527.3		
----- PROGR. 15.									
SOLLECI TAZI ONI :									
Caso	1-1		MZ	MY	MT	N	TZ	TY	
TENSIONI (Sz=			73096.0	-1154.3	-7440.5	-138.7	268.8	-158.9	
0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1-1	si	1	Sx	-638.3	0.0	298.6	821.5		
1-1	si	7	Tz	-551.7	10.1	0.0	552.0		
1-1	si	5	Ty	-90.0	0.0	304.6	535.2		
----- PROGR. 20.									
SOLLECI TAZI ONI :									
Caso	1-1		MZ	MY	MT	N	TZ	TY	
TENSIONI (Sz=			72269.1	-2527.3	-7440.5	-135.8	268.8	-164.9	
0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1-1	si	1	Sx	-735.0	0.0	298.6	898.7		
1-1	si	7	Tz	-545.4	10.1	0.0	545.7		
1-1	si	5	Ty	-192.9	0.0	304.8	562.1		
----- PROGR. 26.									
SOLLECI TAZI ONI :									
Caso	1-1		MZ	MY	MT	N	TZ	TY	
TENSIONI (Sz=			71411.7	-3900.3	-7440.5	-132.8	268.8	-170.9	
0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1-1	si	1	Sx	-831.4	0.0	298.6	979.2		
1-1	si	7	Tz	-538.9	10.1	0.0	539.2		
1-1	si	5	Ty	-295.8	0.0	305.0	605.5		
----- PROGR. 31.									
SOLLECI TAZI ONI :									
Caso	1-1		MZ	MY	MT	N	TZ	TY	
TENSIONI (Sz=			70523.8	-5273.3	-7440.5	-129.8	268.8	-176.8	
0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1-1	si	1	Sx	-927.7	0.0	298.6	1062.1		
1-1	si	7	Tz	-532.2	10.1	0.0	532.5		
1-1	si	5	Ty	-398.7	0.0	305.2	662.2		
----- PROGR. 36.									
SOLLECI TAZI ONI :									
Caso	1-1		MZ	MY	MT	N	TZ	TY	
TENSIONI (Sz=			69605.4	-6646.3	-7440.5	-126.8	268.8	-182.8	
0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1-1	si	1	Sx	-1023.7	0.0	298.6	1146.9		
1-1	si	7	Tz	-525.2	10.1	0.0	525.5		
1-1	si	5	Ty	-501.6	0.0	305.5	729.1		
----- PROGR. 41.									
SOLLECI TAZI ONI :									
Caso	1-1		MZ	MY	MT	N	TZ	TY	
TENSIONI (Sz=			68656.5	-8019.3	-7440.5	-123.8	268.8	-188.8	
0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1-1	si	1	Sx	-1119.5	0.0	298.6	1233.2		
1-1	si	7	Tz	-518.0	10.1	0.0	518.3		
1-1	si	5	Ty	-604.5	0.0	305.7	803.6		

## VERIFI CA STABI LI TA` :

Z | LO = 41. | Ro = 5.77 | Im = 7.1 | Ncr = 16552402.9 | al fa(c) = 0.4900 | ki = 1.0000  
Y | Lc = 41. | Ro = 0.58 | Im = 70.8 | Ncr = 165524.0 | al fa(c) = 0.4900 | ki = 0.5838  
Caso 1-1 - Nodo 1 - Asse Y  
Ned = -147.7 | Mzeq = 75393.4 | Myeq = -6014.5 | Ss = -1023.3 ( 0.303)

RETTANGOLARE\_S003 ( 3) stato limite ultimo - ASTA ( 118- 45) 270  
----- PROGR. 0.

SOLLECI TAZI ONI :									
Caso	1-1		MZ	MY	MT	N	TZ	TY	
TENSIONI (Sz=			68949.6	-1039.1	-26373.7	-174.2	264.5	-721.6	
0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1-1	si	1	Sx	-599.4	0.0	1058.5	1928.8		
1-1	si	7	Tz	-521.5	9.9	0.0	521.8		
1-1	si	5	Ty	-82.3	0.0	1085.5	1882.0		
----- PROGR. 1.									
SOLLECI TAZI ONI :									
Caso	1-1		MZ	MY	MT	N	TZ	TY	
TENSIONI (Sz=			68453.2	-1220.9	-26373.7	-173.8	264.5	-722.4	
0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1-1	si	1	Sx	-609.3	0.0	1058.5	1931.9		
1-1	si	7	Tz	-517.7	9.9	0.0	518.0		
1-1	si	5	Ty	-95.9	0.0	1085.6	1882.7		
----- PROGR. 1.									
SOLLECI TAZI ONI :									
Caso	1-1		MZ	MY	MT	N	TZ	TY	
TENSIONI (Sz=			67956.4	-1402.7	-26373.7	-173.4	264.5	-723.2	
0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1-1	si	1	Sx	-619.2	0.0	1058.5	1935.1		
1-1	si	7	Tz	-514.0	9.9	0.0	514.3		
1-1	si	5	Ty	-109.5	0.0	1085.6	1883.5		
----- PROGR. 2.									
SOLLECI TAZI ONI :									
Caso	1-1		MZ	MY	MT	N	TZ	TY	
TENSIONI (Sz=			67459.0	-1584.5	-26373.7	-173.0	264.5	-724.0	
0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1-1	si	1	Sx	-629.1	0.0	1058.5	1938.3		
1-1	si	7	Tz	-510.3	9.9	0.0	510.6		
1-1	si	5	Ty	-123.2	0.0	1085.6	1884.4		
----- PROGR. 3.									
SOLLECI TAZI ONI :									

Caso	MZ	MY	MT	N	TZ	TY	
1-1	66961.0	-1766.4	-26373.7	-172.6	264.5	-724.9	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-639.0	0.0	1058.5	1941.5
1-1	si	7	Tz	-506.5	9.9	0.0	506.8
1-1	si	5	Ty	-136.8	0.0	1085.7	1885.4

3.

Caso	MZ	MY	MT	N	TZ	TY	
1-1	66462.5	-1948.2	-26373.7	-172.1	264.5	-725.7	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-648.9	0.0	1058.5	1944.8
1-1	si	7	Tz	-502.8	9.9	0.0	503.1
1-1	si	5	Ty	-150.4	0.0	1085.7	1886.5

4.

Caso	MZ	MY	MT	N	TZ	TY	
1-1	65963.4	-2130.0	-26373.7	-171.7	264.5	-726.5	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-658.8	0.0	1058.5	1948.1
1-1	si	7	Tz	-499.0	9.9	0.0	499.3
1-1	si	5	Ty	-164.0	0.0	1085.7	1887.7

5.

Caso	MZ	MY	MT	N	TZ	TY	
1-1	65463.8	-2311.8	-26373.7	-171.3	264.5	-727.3	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-668.6	0.0	1058.5	1951.5
1-1	si	7	Tz	-495.3	9.9	0.0	495.6
1-1	si	5	Ty	-177.7	0.0	1085.7	1888.9

5.

Caso	MZ	MY	MT	N	TZ	TY	
1-1	64963.6	-2493.6	-26373.7	-170.9	264.5	-728.1	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-678.5	0.0	1058.5	1954.9
1-1	si	7	Tz	-491.5	9.9	0.0	491.8
1-1	si	5	Ty	-191.3	0.0	1085.8	1890.3

VERIFICA STABILITA` :

Z	LO = 5	Ro = 5.77	Im = 1.0	Ncr=913856557.6	al fa(c)=0.4900	ki=1.0000
Y	Lc = 5	Ro = 0.58	Im = 9.5	Ncr= 9138565.4	al fa(c)=0.4900	ki=1.0000
Caso 1-1 - Nodo 1 - Asse Y	Ned = -174.2   Mzeq = 68949.6   Myeq = -2296.3   Ss = -693.7 ( 0.205)					

RETTANGOLARE\_S003 ( 3) stato limite ultimo - ASTA ( 45- 120) 271 0.

Caso	MZ	MY	MT	N	TZ	TY	
1-1	64944.0	17257.8	15730.9	-378.9	752.5	-311.6	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-1790.9	0.0	631.3	2098.3
1-1	si	7	Tz	-496.6	28.2	0.0	499.0
1-1	si	5	Ty	1284.9	0.0	643.0	1700.4

4.

Caso	MZ	MY	MT	N	TZ	TY	
1-1	63555.1	13931.9	15730.9	-376.4	752.5	-316.8	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-1531.0	0.0	631.3	1881.4
1-1	si	7	Tz	-486.1	28.2	0.0	488.5
1-1	si	5	Ty	1035.5	0.0	643.2	1521.0

9.

Caso	MZ	MY	MT	N	TZ	TY	
1-1	62143.2	10605.9	15730.9	-373.8	752.5	-322.0	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-1270.9	0.0	631.3	1676.6
1-1	si	7	Tz	-475.4	28.2	0.0	477.9
1-1	si	5	Ty	786.1	0.0	643.4	1363.8

13.

Caso	MZ	MY	MT	N	TZ	TY	
1-1	60708.6	7280.0	15730.9	-371.2	752.5	-327.2	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-1010.6	0.0	631.3	1489.0
1-1	si	7	Tz	-464.6	28.2	0.0	467.2
1-1	si	5	Ty	536.7	0.0	643.6	1237.2

18.

Caso	MZ	MY	MT	N	TZ	TY	
1-1	59251.0	3954.1	15730.9	-368.6	752.5	-332.3	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-750.2	0.0	631.3	1326.1
1-1	si	7	Tz	-453.6	28.2	0.0	456.2
1-1	si	5	Ty	287.3	0.0	643.8	1151.5

22.

Caso	MZ	MY	MT	N	TZ	TY	
1-1	57770.7	628.1	15730.9	-366.0	752.5	-337.5	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-489.5	0.0	631.3	1198.1
1-1	si	7	Tz	-442.4	28.2	0.0	445.1
1-1	si	5	Ty	38.0	0.0	644.0	1116.1

27.

Caso	MZ	MY	MT	N	TZ	TY	
1-1	56267.4	-2697.8	15730.9	-363.4	752.5	-342.7	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si

1-1	si	1	Sx	Si	-633.4	0.0	631.3	1263.7
1-1	si	7	Tz		-431.1	28.2	0.0	433.9
1-1	si	5	Ty		-211.4	0.0	644.2	1135.6

----- PROGR. 31.

## SOLLECI TAZI ONI :

Caso			MZ		MY		MT		N		TZ		TY
1-1			54741.3		-6023.8		15730.9		-360.8		752.5		-347.9
TENSIONI (Sz= 0.00) :													

Caso	Ve	No	massi	mi	Sx		Tz		Ty		Si		
1-1	si	1	Sx	Si	-871.4		0.0		631.3		1398.2		
1-1	si	7	Tz		-419.6		28.2		0.0		422.4		
1-1	si	5	Ty		-460.8		0.0		644.4		1207.5		

----- PROGR. 35.

## SOLLECI TAZI ONI :

Caso			MZ		MY		MT		N		TZ		TY
1-1			53192.3		-9349.7		15730.9		-358.3		752.5		-353.0
TENSIONI (Sz= 0.00) :													

Caso	Ve	No	massi	mi	Sx		Tz		Ty		Si		
1-1	si	1	Sx	Si	-1109.1		0.0		631.3		1557.5		
1-1	si	7	Tz		-407.9		28.2		0.0		410.8		
1-1	si	5	Ty		-710.2		0.0		644.6		1323.2		

## VERI F I C A S T A B I L I T A ` :

Z	LO =	35.	Ro =	5.77	Im =	6.1	Ncr=	22100933.6	al fa(c)	=0.4900	ki=	1.0000
Y	Lc =	35.	Ro =	0.58	Im =	61.2	Ncr=	221009.3	al fa(c)	=0.4900	ki=	0.6612
Caso 1-1 - Nodo 2 - Asse Y												
Ned = -378.9   Mzeq = 64944.0   Myeq = 12943.4   Ss = -1473.8 ( 0.436)												

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 120- 122) 272 0.

## SOLLECI TAZI ONI :

Caso			MZ		MY		MT		N		TZ		TY
1-1			53611.8		15008.7		3606.6		-754.2		684.4		-757.2
TENSIONI (Sz= 0.00) :													

Caso	Ve	No	massi	mi	Sx		Tz		Ty		Si		
1-1	si	2	Sx	Si	-1546.6		0.0		144.7		1566.8		
1-1	si	7	Tz		-420.9		25.7		0.0		423.3		
1-1	si	5	Ty		1106.8		0.0		173.1		1146.7		

----- PROGR. 5.

## SOLLECI TAZI ONI :

Caso			MZ		MY		MT		N		TZ		TY
1-1			49729.3		11513.2		3606.6		-751.2		684.4		-763.1
TENSIONI (Sz= 0.00) :													

Caso	Ve	No	massi	mi	Sx		Tz		Ty		Si		
1-1	si	2	Sx	Si	-1255.2		0.0		144.7		1280.0		
1-1	si	7	Tz		-391.7		25.7		0.0		394.3		
1-1	si	5	Ty		844.7		0.0		173.4		896.5		

----- PROGR. 10.

## SOLLECI TAZI ONI :

Caso			MZ		MY		MT		N		TZ		TY
1-1			45816.2		8017.8		3606.6		-748.2		684.4		-769.1
TENSIONI (Sz= 0.00) :													

Caso	Ve	No	massi	mi	Sx		Tz		Ty		Si		
1-1	si	2	Sx	Si	-963.7		0.0		144.7		995.7		
1-1	si	7	Tz		-362.3		25.7		0.0		365.0		
1-1	si	5	Ty		582.6		0.0		173.6		655.6		

----- PROGR. 15.

## SOLLECI TAZI ONI :

Caso			MZ		MY		MT		N		TZ		TY
1-1			41872.7		4522.4		3606.6		-745.2		684.4		-775.1
TENSIONI (Sz= 0.00) :													

Caso	Ve	No	massi	mi	Sx		Tz		Ty		Si		
1-1	si	2	Sx	Si	-671.9		0.0		144.7		717.1		
1-1	si	7	Tz		-332.7		25.7		0.0		335.6		
1-1	si	5	Ty		320.5		0.0		173.8		439.8		

----- PROGR. 20.

## SOLLECI TAZI ONI :

Caso			MZ		MY		MT		N		TZ		TY
1-1			37898.6		1026.9		3606.6		-742.3		684.4		-781.1
TENSIONI (Sz= 0.00) :													

Caso	Ve	No	massi	mi	Sx		Tz		Ty		Si		
1-1	si	2	Sx	Si	-379.8		0.0		144.7		455.1		
1-1	si	7	Tz		-302.8		25.7		0.0		306.0		
1-1	si	5	Ty		58.5		0.0		174.0		307.1		

----- PROGR. 26.

## SOLLECI TAZI ONI :

Caso			MZ		MY		MT		N		TZ		TY
1-1			33894.0		-2468.5		3606.6		-739.3		684.4		-787.1
TENSIONI (Sz= 0.00) :													

Caso	Ve	No	massi	mi	Sx		Tz		Ty		Si		
1-1	si	1	Sx	Si	-457.8		0.0		144.7		522.0		
1-1	si	7	Tz		-272.7		25.7		0.0		276.3		
1-1	si	5	Ty		-203.6		0.0		174.3		364.1		

----- PROGR. 31.

## SOLLECI TAZI ONI :

Caso			MZ		MY		MT		N		TZ		TY
1-1			29858.9		-5964.0		3606.6		-736.3		684.4		-793.0
TENSIONI (Sz= 0.00) :													

Caso	Ve	No	massi	mi	Sx		Tz		Ty		Si		
1-1	si	1	Sx	Si	-689.6		0.0		144.7		733.8		
1-1	si	7	Tz		-242.3		25.7		0.0		246.4		
1-1	si	5	Ty		-465.7		0.0		174.5		555.2		

----- PROGR. 36.

## SOLLECI TAZI ONI :

Caso			MZ		MY		MT		N		TZ		TY
1-1			25793.2		-9459.4		3606.6		-733.3		684.4		-799.0
TENSIONI (Sz= 0.00) :													

Caso	Ve	No	massi	mi	Sx		Tz		Ty		Si		
1-1	si	1	Sx	Si	-921.2		0.0		144.7		954.7		
1-1	si	7	Tz		-211.8		25.7		0.0		216.4		
1-1	si	5	Ty		-727.8		0.0		174.7		788.2		

----- PROGR. 41.

## SOLLECI TAZI ONI :

Caso			MZ		MY		MT		N		TZ		TY
1-1			21697.1		-12954.9		3606.6		-730.3		684.4		-805.0
TENSIONI (Sz= 0.00) :													

Caso	Ve	No	massi	mi	Sx		Tz		Ty		Si		
1-1	si	1	Sx	Si	-1152.6		0.0		144.7		1179.6		
1-1	si	7	Tz		-181.0		25.7		0.0		186.4		
1-1	si	5	Ty		-989.9		0.0		174.9		1035.2		

## VERIFICAZIONE STABILITÀ :

Z | LO = 41. | Ro = 5.77 | Im = 7.1 | Ncr = 16552402.9 | alfa(c) = 0.4900 | ki = 1.0000 |  
 Y | Lc = 41. | Ro = 0.58 | Im = 70.8 | Ncr = 165524.0 | alfa(c) = 0.4900 | ki = 0.5838 |  
 Caso 1-1 - Nodo 2 - Asse Y  
 Ned = -754.2 | Mzeq = 49162.4 | Myeq = 11256.5 | Ss = -1249.1 ( 0.369 )

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 122- 41 ) 273  
 PROGR. 0.

SOLLECI TAZIONI		MZ	MY	MT	N	TZ	TY
Caso	1-1	22089.0	21611.8	-7970.4	-1300.7	796.0	-1179.5
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-1819.1	0.0	319.9	1901.6
1-1	si	7	Tz	-198.2	29.8	0.0	204.8
1-1	si	5	Ty	1588.4	0.0	364.1	1709.0

SOLLECI TAZIONI		MZ	MY	MT	N	TZ	TY
Caso	1-1	13249.7	15668.8	-7970.4	-1296.3	796.0	-1188.2
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-1306.9	0.0	319.9	1419.5
1-1	si	7	Tz	-131.8	29.8	0.0	141.6
1-1	si	5	Ty	1142.8	0.0	364.4	1305.5

SOLLECI TAZIONI		MZ	MY	MT	N	TZ	TY
Caso	1-1	4345.2	9725.8	-7970.4	-1291.9	796.0	-1197.0
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-794.3	0.0	319.9	968.5
1-1	si	7	Tz	-64.9	29.8	0.0	83.0
1-1	si	5	Ty	697.1	0.0	364.8	940.8
1-1	si	6	Si	-761.7	0.0	364.8	989.6

SOLLECI TAZIONI		MZ	MY	MT	N	TZ	TY
Caso	1-1	-4624.5	3782.8	-7970.4	-1287.6	796.0	-1205.7
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	3	Sx	-350.6	0.0	319.9	655.7
1-1	si	7	Tz	2.5	29.8	0.0	51.8
1-1	si	5	Ty	251.5	0.0	365.1	680.5
1-1	si	6	Si	-315.9	0.0	365.1	706.9

SOLLECI TAZIONI		MZ	MY	MT	N	TZ	TY
Caso	1-1	-13659.5	-2160.1	-7970.4	-1283.2	796.0	-1214.4
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	4	Sx	-296.5	0.0	319.9	628.4
1-1	si	7	Tz	70.4	29.8	0.0	87.3
1-1	si	5	Ty	-194.1	0.0	365.4	662.0

SOLLECI TAZIONI		MZ	MY	MT	N	TZ	TY
Caso	1-1	-22759.7	-8103.1	-7970.4	-1278.8	796.0	-1223.2
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	4	Sx	-810.4	0.0	319.9	981.7
1-1	si	7	Tz	138.7	29.8	0.0	148.0
1-1	si	5	Ty	-639.7	0.0	365.8	900.3

SOLLECI TAZIONI		MZ	MY	MT	N	TZ	TY
Caso	1-1	-31925.1	-14046.1	-7970.4	-1274.5	796.0	-1231.9
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	4	Sx	-1324.8	0.0	319.9	1436.0
1-1	si	7	Tz	207.6	29.8	0.0	213.9
1-1	si	5	Ty	-1085.3	0.0	366.1	1257.0

SOLLECI TAZIONI		MZ	MY	MT	N	TZ	TY
Caso	1-1	-41155.8	-19989.1	-7970.4	-1270.1	796.0	-1240.6
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	4	Sx	-1839.6	0.0	319.9	1921.2
1-1	si	7	Tz	276.9	29.8	0.0	281.7
1-1	si	5	Ty	-1530.9	0.0	366.4	1657.3

SOLLECI TAZIONI		MZ	MY	MT	N	TZ	TY
Caso	1-1	-50451.7	-25932.1	-7970.4	-1265.7	796.0	-1249.4
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	4	Sx	-2354.9	0.0	319.9	2419.2
1-1	si	7	Tz	346.7	29.8	0.0	350.6
1-1	si	5	Ty	-1976.6	0.0	366.7	2076.1

## VERIFICAZIONE STABILITÀ :

Z | LO = 60. | Ro = 5.77 | Im = 10.3 | Ncr = 7745393.8 | alfa(c) = 0.4900 | ki = 1.0000 |  
 Y | Lc = 60. | Ro = 0.58 | Im = 103.5 | Ncr = 77453.9 | alfa(c) = 0.4900 | ki = 0.3668 |  
 Caso 1-1 - Nodo 4 - Asse Y  
 Ned = -1300.7 | Mzeq = -37838.8 | Myeq = -19449.1 | Ss = -1856.1 ( 0.549 )

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 10- 106 ) 274  
 PROGR. 0.

SOLLECI TAZIONI		MZ	MY	MT	N	TZ	TY
Caso	4-15	-18668.8	2276.8	1657.5	-390.4	390.5	426.6
1-1		-15371.6	-1839.1	-3096.9	476.4	-23.9	861.1
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-15	si	3	Sx	-320.5	0.0	66.5	340.6
4-15	si	7	Tz	130.3	14.6	0.0	132.7
1-1	si	5	Ty	-126.0	0.0	-156.6	299.1

1- 1 | si | 2 | Si | 265.1 | 0.0 | 124.3 | 341.5 |  
-----  
PROGR. 1.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-15	-18192.6	1854.3	1657.5	-390.0	390.5	425.7
1- 1	-14439.7	-1813.1	-3096.9	477.1	-23.9	859.8

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-15	si	3	Sx	-285.3	0.0	66.5	307.7
4-15	si	7	Tz	126.7	14.6	0.0	129.2
1- 1	si	5	Ty	-124.1	0.0	-156.5	298.2
1- 1	si	2	Si	256.2	0.0	124.3	334.6

-----  
PROGR. 2.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-15	-17717.5	1431.8	1657.5	-389.6	390.5	424.8
1- 1	-13509.1	-1787.2	-3096.9	477.7	-23.9	858.6

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-15	si	3	Sx	-250.0	0.0	66.5	275.3
4-15	si	7	Tz	123.1	14.6	0.0	125.7
1- 1	si	5	Ty	-122.1	0.0	-156.5	297.3
1- 1	si	2	Si	247.3	0.0	124.3	327.9

-----  
PROGR. 3.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-15	-12579.8	-1761.2	-3096.9	478.3	-23.9	857.3
1- 1	-17243.5	1009.6	1657.5	-389.1	390.5	424.0

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	238.4	0.0	124.3	321.2
4-15	si	7	Tz	119.6	14.6	0.0	122.3
1- 1	si	5	Ty	-120.1	0.0	-156.4	296.4

-----  
PROGR. 4.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-15	-11652.0	-1735.3	-3096.9	479.0	-23.9	856.0
1- 1	-16770.5	587.6	1657.5	-388.7	390.5	423.1

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	229.5	0.0	124.3	314.7
4-15	si	7	Tz	116.1	14.6	0.0	118.8
1- 1	si	5	Ty	-118.2	0.0	-156.4	295.5

-----  
PROGR. 5.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-15	-10725.5	-1709.4	-3096.9	479.6	-23.9	854.8
1- 1	-16298.5	166.3	1657.5	-388.2	390.5	422.2

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	220.6	0.0	124.3	308.3
4-15	si	7	Tz	112.5	14.6	0.0	115.4
1- 1	si	5	Ty	-116.2	0.0	-156.3	294.7

-----  
PROGR. 6.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-15	-9800.4	-1683.4	-3096.9	480.2	-23.9	853.5
1- 1	-15827.7	-253.5	1657.5	-387.8	390.5	421.3

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	211.8	0.0	124.3	302.0
4-15	si	7	Tz	109.0	14.6	0.0	111.9
1- 1	si	5	Ty	-114.3	0.0	-156.3	293.8
1- 1	si	6	Si	138.3	0.0	-156.3	304.0

-----  
PROGR. 8.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-15	-8876.6	-1657.5	-3096.9	480.9	-23.9	852.2
1- 1	-15357.8	-667.6	1657.5	-387.4	390.5	420.4

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	202.9	0.0	124.3	295.8
4-15	si	7	Tz	105.5	14.6	0.0	108.5
1- 1	si	5	Ty	-112.3	0.0	-156.3	293.0
1- 1	si	6	Si	136.3	0.0	-156.3	303.0

-----  
PROGR. 9.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-11	-12916.2	-1267.1	836.7	769.6	196.1	498.2
4-15	-14889.1	-1146.2	1657.5	-386.9	390.5	419.5
1- 1	-7954.3	-1631.6	-3096.9	481.5	-23.9	851.0

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-11	si	2	Sx	211.1	0.0	33.6	219.0
4-15	si	7	Tz	102.0	14.6	0.0	105.1
1- 1	si	5	Ty	-110.3	0.0	-156.2	292.2
1- 1	si	6	Si	134.4	0.0	-156.2	302.1

VERI F I CA STABI LI TA` :

Z | LO = 9. | Ro = 5.77 | Im = 1.5 | Ncr=368081812.3 | al fa(c) =0.4900 | ki=1.0000  
 Y | Lc = 9. | Ro = 0.58 | Im = 15.0 | Ncr= 3680818.0 | al fa(c) =0.4900 | ki=1.0000  
 Caso 4-15 - Nodo 3 - Asse Y  
 Ned = -390.4 | Mzeq = -18668.8 | Myeq = 1707.6 | Ss = -277.9 ( 0.082)

RETTANGOLARE\_S003 ( 3) stato limite ultimo - ASTA ( 106- 124) 275  
 -----  
 PROGR. 0.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-16	-15012.1	4882.2	108.6	-190.3	239.1	379.6
1- 1	-7925.6	-59.0	-3111.9	574.6	45.7	690.0

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-16	si	3	Sx	-483.5	0.0	4.4	483.6
4-16	si	7	Tz	107.8	9.0	0.0	108.9
1- 1	si	5	Ty	9.9	0.0	-150.8	261.3

-----  
PROGR. 5.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-16	-13022.8	3661.6	108.6	-188.2	239.1	375.4
1- 1	-4416.7	-292.6	-3111.9	577.6	45.7	684.0

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-16	si	3	Sx	-377.0	0.0	4.4	377.1
4-16	si	7	Tz	93.0	9.0	0.0	94.3
1-1	si	5	Ty	-7.5	0.0	-150.5	260.9

SOLLECI TAZI ONI : ----- PROGR. 10.

Caso	MZ	MY	MT	N	TZ	TY
4-1	13892.2	-2131.1	-2266.8	359.4	-137.5	443.8
4-16	-11056.0	2441.4	108.6	-186.2	239.1	371.2
1-1	-938.3	-526.1	-3111.9	580.6	45.7	678.0

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-1	si	3	Sx	273.0	0.0	91.0	315.2
4-16	si	7	Tz	78.3	9.0	0.0	79.8
1-1	si	5	Ty	-24.9	0.0	-150.3	261.6

SOLLECI TAZI ONI : ----- PROGR. 15.

Caso	MZ	MY	MT	N	TZ	TY
4-1	16089.6	-1431.2	-2266.8	361.5	-137.5	439.7
4-16	-9111.7	1222.4	108.6	-184.1	239.1	367.1
1-1	2509.6	-759.7	-3111.9	583.6	45.7	672.1
4-2	15989.8	-1423.5	-2298.5	384.8	-134.3	436.6

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-1	si	3	Sx	237.1	0.0	91.0	284.6
4-16	si	7	Tz	63.7	9.0	0.0	65.6
1-1	si	5	Ty	-42.4	0.0	-150.1	263.4
4-2	si	3	Si	236.3	0.0	92.2	285.2

SOLLECI TAZI ONI : ----- PROGR. 20.

Caso	MZ	MY	MT	N	TZ	TY
4-2	18151.4	-751.6	-2298.5	386.9	-134.3	432.4
4-16	-7190.0	15.2	108.6	-182.0	239.1	362.9
1-1	5926.9	-993.3	-3111.9	586.6	45.7	666.1

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-2	si	3	Sx	202.2	0.0	92.2	257.7
4-16	si	7	Tz	49.4	9.0	0.0	51.8
1-1	si	5	Ty	-59.8	0.0	-149.9	266.4
1-1	si	6	Si	89.2	0.0	-149.9	274.5

SOLLECI TAZI ONI : ----- PROGR. 26.

Caso	MZ	MY	MT	N	TZ	TY
1-1	9313.7	-1226.9	-3111.9	589.5	45.7	660.1
4-16	-5290.7	-1165.4	108.6	-179.9	239.1	358.7

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	3	Sx	176.6	0.0	124.9	279.3
4-16	si	7	Tz	35.2	9.0	0.0	38.5
1-1	si	5	Ty	-77.3	0.0	-149.6	270.5
1-1	si	6	Si	106.8	0.0	-149.6	280.3

SOLLECI TAZI ONI : ----- PROGR. 31.

Caso	MZ	MY	MT	N	TZ	TY
4-1	22560.9	684.7	-2266.8	367.8	-137.5	427.1
4-16	-3414.0	-2450.5	108.6	-177.8	239.1	354.5
1-1	12670.0	-1460.4	-3111.9	592.5	45.7	654.1

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-1	si	4	Sx	229.8	0.0	91.0	278.6
4-16	si	7	Tz	21.2	9.0	0.0	26.2
1-1	si	5	Ty	-94.7	0.0	-149.4	275.6
1-1	si	3	Si	219.4	0.0	124.9	308.1

SOLLECI TAZI ONI : ----- PROGR. 36.

Caso	MZ	MY	MT	N	TZ	TY
4-1	24677.7	1385.1	-2266.8	369.9	-137.5	423.0
4-16	-1559.7	-3670.0	108.6	-175.7	239.1	350.4
1-1	15995.8	-1694.0	-3111.9	595.5	45.7	648.2

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-1	si	4	Sx	298.2	0.0	91.0	337.3
4-16	si	7	Tz	7.3	9.0	0.0	17.2
1-1	si	5	Ty	-112.2	0.0	-149.2	281.7
1-1	si	3	Si	261.9	0.0	124.9	339.7

SOLLECI TAZI ONI : ----- PROGR. 41.

Caso	MZ	MY	MT	N	TZ	TY
4-16	272.0	-4890.3	108.6	-173.6	239.1	346.2
1-1	19291.1	-1927.6	-3111.9	598.5	45.7	642.2
4-1	26774.4	2086.5	-2266.8	372.0	-137.5	418.8

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-16	si	1	Sx	-373.2	0.0	4.4	373.2
4-16	si	7	Tz	-6.4	9.0	0.0	16.8
1-1	si	5	Ty	-129.6	0.0	-149.0	288.8
4-1	si	4	Si	366.6	0.0	91.0	399.0

VERI F I CA STABI LI TA` :

Z | LO = 41. | Ro = 5.77 | Im = 7.1 | Ncr = 16552402.9 | al fa(c) = 0.4900 | ki = 1.0000  
 Y | Lc = 41. | Ro = 0.58 | Im = 70.8 | Ncr = 165524.0 | al fa(c) = 0.4900 | ki = 0.5838  
 Caso 4-16 - Nodolo 4 - Asse Y  
 Ned = -190.3 | Mzeq = -11259.1 | Myeq = -3667.8 | Ss = -368.0 ( 0.109)

RETTANGOLARE\_S003 ( 3) stato limite ultimo - ASTA ( 124- 47) 276  
 ----- PROGR. 0.

Caso	MZ	MY	MT	N	TZ	TY
4-1	26836.0	-2834.3	-2340.6	247.3	-59.6	308.6
4-14	3484.4	1849.6	-3915.4	139.9	155.4	332.7
1-1	19419.7	-2400.2	-6896.1	657.5	8.3	542.5

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-1	si	3	Sx	420.0	0.0	93.9	450.4
4-14	si	7	Tz	-22.6	5.8	0.0	24.8
1-1	si	5	Ty	-163.6	0.0	-297.1	540.0
1-1	si	3	Si	342.1	0.0	276.8	588.9

SOLLECI TAZI ONI : ----- PROGR. 4.

Caso	MZ	MY	MT	N	TZ	TY
4-1	28185.4	-2517.2	-2340.6	249.1	-59.6	305.1

4-14			4916.5		1249.6		-3915.4		141.6		155.4		329.2
1-1			21766.8		-2436.4		-6896.1		660.1		8.3		537.4
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massimi		Sx		Tz		Ty		Si		
4-1	si	3	Sx		406.4		0.0		93.9		437.8		
4-14	si	7	Tz		-33.3		5.8		0.0		34.8		
1-1	si	5	Ty		-166.2		0.0		-296.9		540.5		
1-1	si	3	Si		362.5		0.0		276.8		601.0		

9.

SOLLECI TAZIONI :													
Caso			MZ		MY		MT		N		TZ		TY
4-2			29329.3		-2221.0		-2438.0		275.4		-57.8		299.6
4-14			6333.1		654.5		-3915.4		143.4		155.4		325.6
1-1			24091.8		-2472.6		-6896.1		662.6		8.3		532.3

TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massimi		Sx		Tz		Ty		Si		
4-2	si	3	Sx		393.4		0.0		97.8		428.4		
4-14	si	7	Tz		-43.9		5.8		0.0		45.1		
1-1	si	5	Ty		-168.9		0.0		-296.7		541.0		
1-1	si	3	Si		382.7		0.0		276.8		613.4		

13.

SOLLECI TAZIONI :													
Caso			MZ		MY		MT		N		TZ		TY
1-1			26394.7		-2508.8		-6896.1		665.2		8.3		527.2
4-14			7734.1		72.5		-3915.4		145.2		155.4		322.1

TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massimi		Sx		Tz		Ty		Si		
1-1	si	3	Sx		402.7		0.0		276.8		626.1		
4-14	si	7	Tz		-54.4		5.8		0.0		55.3		
1-1	si	5	Ty		-171.5		0.0		-296.5		541.5		

17.

SOLLECI TAZIONI :													
Caso			MZ		MY		MT		N		TZ		TY
1-1			28675.4		-2544.9		-6896.1		667.7		8.3		522.1
4-14			9119.7		-461.3		-3915.4		147.0		155.4		318.5

TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massimi		Sx		Tz		Ty		Si		
1-1	si	3	Sx		422.6		0.0		276.8		639.1		
4-14	si	7	Tz		-64.7		5.8		0.0		65.5		
1-1	si	5	Ty		-174.2		0.0		-296.3		542.0		

22.

SOLLECI TAZIONI :													
Caso			MZ		MY		MT		N		TZ		TY
1-1			30934.1		-2581.1		-6896.1		670.2		8.3		517.1
4-14			10489.7		-1521.9		-3915.4		148.7		155.4		315.0

TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massimi		Sx		Tz		Ty		Si		
1-1	si	3	Sx		442.3		0.0		276.8		652.3		
4-14	si	7	Tz		-75.0		5.8		0.0		75.6		
1-1	si	5	Ty		-176.8		0.0		-296.2		542.6		

26.

SOLLECI TAZIONI :													
Caso			MZ		MY		MT		N		TZ		TY
1-1			33170.6		-2617.3		-6896.1		672.8		8.3		512.0
4-14			11844.2		-2029.9		-3915.4		150.5		155.4		311.4

TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massimi		Sx		Tz		Ty		Si		
1-1	si	3	Sx		461.9		0.0		276.8		665.7		
4-14	si	7	Tz		-85.1		5.8		0.0		85.7		
1-1	si	5	Ty		-179.5		0.0		-296.0		543.1		

30.

SOLLECI TAZIONI :													
Caso			MZ		MY		MT		N		TZ		TY
1-1			35385.1		-2653.5		-6896.1		675.3		8.3		506.9
4-14			13183.2		-2650.8		-3915.4		152.3		155.4		307.9

TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massimi		Sx		Tz		Ty		Si		
1-1	si	3	Sx		481.3		0.0		276.8		679.3		
4-14	si	7	Tz		-95.1		5.8		0.0		95.6		
1-1	si	5	Ty		-182.1		0.0		-295.8		543.7		

35.

SOLLECI TAZIONI :													
Caso			MZ		MY		MT		N		TZ		TY
1-1			37577.4		-2689.7		-6896.1		677.9		8.3		501.8
4-14			14506.7		-3301.7		-3915.4		154.1		155.4		304.3

TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massimi		Sx		Tz		Ty		Si		
1-1	si	3	Sx		500.5		0.0		276.8		693.0		
4-14	si	7	Tz		-104.9		5.8		0.0		105.4		
1-1	si	5	Ty		-184.8		0.0		-295.6		544.3		

VERIFICAZIONE STABILITÀ :

Z	LO = 35.	Ro = 5.77	Im = 6.0	Ncr = 22851963.4	al fa(c) = 0.4900	ki = 1.0000
Y	Lc = 35.	Ro = 0.58	Im = 60.2	Ncr = 228519.6	al fa(c) = 0.4900	ki = 0.6695
Caso 4-6 - Nodo 1 - Asse Y						
Ned =	-705.7	Mzeq = 32162.5	Myeq = -1539.9	Ss = -383.4	( 0.113)	

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 47- 125 ) 277  
0.

SOLLECI TAZIONI :													
Caso			MZ		MY		MT		N		TZ		TY
1-1			35146.0		8291.7		16461.9		912.5		300.1		115.7
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massimi		Sx		Tz		Ty		Si		
1-1	si	4	Sx		908.3		0.0		660.7		1461.0		
1-1	si	7	Tz		-240.8		11.3		0.0		241.6		
1-1	si	5	Ty		644.7		0.0		-665.0		1320.0		

1.

SOLLECI TAZIONI :													
Caso			MZ		MY		MT		N		TZ		TY
1-1			35233.6		8063.4		16461.9		913.0		300.1		114.8
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massimi		Sx		Tz		Ty		Si		
1-1	si	4	Sx		891.8		0.0		660.7		1450.8		
1-1	si	7	Tz		-241.4		11.3		0.0		242.2		
1-1	si	5	Ty		627.6		0.0		-665.0		1311.7		

2.

SOLLECI TAZIONI :													
Caso			MZ		MY		MT		N		TZ		TY
1-1			35320.6		7835.2		16461.9		913.4		300.1		113.9
TENSIONI (Sz= 0.00) :													

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si			
1-1	si	4	Sx Si	875.4	0.0	660.7	1440.8			
1-1	si	7	Tz	-242.1	11.3	0.0	242.9			
1-1	si	5	Ty	610.5	0.0	-664.9	1303.5			
----- PROGR. 2.										
SOLLECI TAZI ONI :										
Caso			MZ	MY	MT	N	TZ	TY		
1-1			35406.8	7606.9	16461.9	913.8	300.1	113.0		
TENSIONI (Sz=0.00) :										
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si			
1-1	si	4	Sx Si	858.9	0.0	660.7	1430.8			
1-1	si	7	Tz	-242.7	11.3	0.0	243.5			
1-1	si	5	Ty	593.4	0.0	-664.9	1295.5			
----- PROGR. 3.										
SOLLECI TAZI ONI :										
Caso			MZ	MY	MT	N	TZ	TY		
1-1			35492.5	7378.7	16461.9	914.3	300.1	112.1		
TENSIONI (Sz=0.00) :										
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si			
1-1	si	4	Sx Si	842.5	0.0	660.7	1421.0			
1-1	si	7	Tz	-243.3	11.3	0.0	244.1			
1-1	si	5	Ty	576.3	0.0	-664.9	1287.7			
----- PROGR. 4.										
SOLLECI TAZI ONI :										
Caso			MZ	MY	MT	N	TZ	TY		
1-1			35577.4	7150.4	16461.9	914.7	300.1	111.2		
TENSIONI (Sz=0.00) :										
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si			
1-1	si	4	Sx Si	826.0	0.0	660.7	1411.3			
1-1	si	7	Tz	-244.0	11.3	0.0	244.7			
1-1	si	5	Ty	559.2	0.0	-664.8	1280.1			
----- PROGR. 5.										
SOLLECI TAZI ONI :										
Caso			MZ	MY	MT	N	TZ	TY		
1-1			35661.6	6922.2	16461.9	915.2	300.1	110.3		
TENSIONI (Sz=0.00) :										
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si			
1-1	si	4	Sx Si	809.5	0.0	660.7	1401.7			
1-1	si	7	Tz	-244.6	11.3	0.0	245.4			
1-1	si	5	Ty	542.0	0.0	-664.8	1272.7			
----- PROGR. 5.										
SOLLECI TAZI ONI :										
Caso			MZ	MY	MT	N	TZ	TY		
1-1			35745.2	6693.9	16461.9	915.6	300.1	109.4		
TENSIONI (Sz=0.00) :										
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si			
1-1	si	4	Sx Si	793.0	0.0	660.7	1392.3			
1-1	si	7	Tz	-245.2	11.3	0.0	246.0			
1-1	si	5	Ty	524.9	0.0	-664.8	1265.4			
----- PROGR. 6.										
SOLLECI TAZI ONI :										
Caso			MZ	MY	MT	N	TZ	TY		
1-1			35828.1	6465.7	16461.9	916.1	300.1	108.5		
TENSIONI (Sz=0.00) :										
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si			
1-1	si	4	Sx Si	776.5	0.0	660.7	1382.9			
1-1	si	7	Tz	-245.8	11.3	0.0	246.6			
1-1	si	5	Ty	507.8	0.0	-664.7	1258.4			
----- PROGR. 6.										
VERI F I C A S T A B I L I T A` :										
Z	LO =	6.	Ro =	5.77	Im =	1.1	Ncr=746339667.8	al fa(c)=	0.4900	ki=1.0000
Y	Lc =	6.	Ro =	0.58	Im =	10.5	Ncr= 7463396.5	al fa(c)=	0.4900	ki=1.0000
Caso 4-6 - Nodo 2 - Asse Y										
Ned = -541.9   Mzeq = 31396.9   Myeq = 4555.2   Ss = -590.7 ( 0.175)										
----- PROGR. 278										
RETTANGOLARE_S003 ( 3) stato limite ultimo - ASTA ( 125- 126) 0.										
SOLLECI TAZI ONI :										
Caso			MZ	MY	MT	N	TZ	TY		
1-1			35971.4	8234.4	5505.1	1005.8	312.0	150.9		
TENSIONI (Sz=0.00) :										
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si			
1-1	si	4	Sx Si	912.5	0.0	220.9	989.5			
1-1	si	7	Tz	-244.6	11.7	0.0	245.5			
1-1	si	5	Ty	642.7	0.0	-226.6	753.1			
----- PROGR. 5.										
SOLLECI TAZI ONI :										
Caso			MZ	MY	MT	N	TZ	TY		
1-1			36727.1	6640.8	5505.1	1008.8	312.0	145.0		
TENSIONI (Sz=0.00) :										
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si			
1-1	si	4	Sx Si	798.7	0.0	220.9	885.7			
1-1	si	7	Tz	-250.2	11.7	0.0	251.1			
1-1	si	5	Ty	523.3	0.0	-226.4	653.9			
----- PROGR. 10.										
SOLLECI TAZI ONI :										
Caso			MZ	MY	MT	N	TZ	TY		
1-1			37452.3	5047.2	5505.1	1011.8	312.0	139.0		
TENSIONI (Sz=0.00) :										
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si			
1-1	si	4	Sx Si	684.7	0.0	220.9	784.4			
1-1	si	7	Tz	-255.6	11.7	0.0	256.4			
1-1	si	5	Ty	403.8	0.0	-226.2	562.6			
----- PROGR. 15.										
SOLLECI TAZI ONI :										
Caso			MZ	MY	MT	N	TZ	TY		
1-1			38146.9	3453.5	5505.1	1014.7	312.0	133.0		
TENSIONI (Sz=0.00) :										
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si			
1-1	si	4	Sx Si	570.5	0.0	220.9	686.9			
1-1	si	7	Tz	-260.7	11.7	0.0	261.5			
1-1	si	5	Ty	284.4	0.0	-225.9	483.7			
----- PROGR. 20.										
SOLLECI TAZI ONI :										
Caso			MZ	MY	MT	N	TZ	TY		
1-1			38811.1	1859.9	5505.1	1017.7	312.0	127.0		
TENSIONI (Sz=0.00) :										
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si			
1-1	si	4	Sx Si	456.0	0.0	220.9	595.3			
1-1	si	7	Tz	-265.6	11.7	0.0	266.4			
1-1	si	5	Ty	164.9	0.0	-225.7	424.3			



SOLLECI TAZI ONI										PROGR.	26.		
Caso	1-1	MZ	39444.7	MY	266.3	MT	5505.1	N	1020.7	TZ	312.0	TY	121.1
TENSI ONI (Sz= 0.00) :													
Caso	1-1	Ve	No	massi mi	Sx	Tz	Ty	Si					
1-1	si	4	3	Sx	Si	341.3	0.0	220.9	512.8				
1-1	si	7	4	Tz		-270.3	11.7	0.0	271.1				
1-1	si	5	5	Ty		45.5	0.0	-225.5	393.2				

SOLLECI TAZI ONI										PROGR.	31.		
Caso	1-1	MZ	40047.8	MY	-1327.3	MT	5505.1	N	1023.7	TZ	312.0	TY	115.1
TENSI ONI (Sz= 0.00) :													
Caso	1-1	Ve	No	massi mi	Sx	Tz	Ty	Si					
1-1	si	3	3	Sx	Si	425.5	0.0	220.9	572.3				
1-1	si	7	4	Tz		-274.8	11.7	0.0	275.5				
1-1	si	5	5	Ty		-74.0	0.0	-225.3	397.1				

SOLLECI TAZI ONI										PROGR.	36.		
Caso	1-1	MZ	40620.4	MY	-2921.0	MT	5505.1	N	1026.7	TZ	312.0	TY	109.1
TENSI ONI (Sz= 0.00) :													
Caso	1-1	Ve	No	massi mi	Sx	Tz	Ty	Si					
1-1	si	3	3	Sx	Si	549.4	0.0	220.9	669.5				
1-1	si	7	4	Tz		-279.0	11.7	0.0	279.7				
1-1	si	5	5	Ty		-193.4	0.0	-225.0	435.1				

SOLLECI TAZI ONI										PROGR.	41.		
Caso	1-1	MZ	41162.4	MY	-4514.6	MT	5505.1	N	1029.7	TZ	312.0	TY	103.1
TENSI ONI (Sz= 0.00) :													
Caso	1-1	Ve	No	massi mi	Sx	Tz	Ty	Si					
1-1	si	3	3	Sx	Si	673.1	0.0	220.9	774.2				
1-1	si	7	4	Tz		-283.0	11.7	0.0	283.7				
1-1	si	5	5	Ty		-312.9	0.0	-224.8	499.5				

## VERIFI CA STABI LI TA` :

Z | LO = 41. | Ro = 5.77 | Im = 7.1 | Ncr = 16552402.9 | al fa(c) = 0.4900 | ki = 1.0000 |  
 Y | Lc = 41. | Ro = 0.58 | Im = 70.8 | Ncr = 165524.0 | al fa(c) = 0.4900 | ki = 0.5838 |  
 Caso 4- 5 - Nodo 2 - Asse Y  
 Ned = -529.6 | Mzeq = 31679.3 | Myeq = 2428.0 | Ss = -443.0 ( 0.131 )

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 126- 127 ) 279  
 0. PROGR.

SOLLECI TAZI ONI										PROGR.	5.		
Caso	1-1	MZ	41214.4	MY	6763.4	MT	42.7	N	1309.2	TZ	331.1	TY	28.2
4-8			28533.2		4965.1		604.9		-393.7		236.3		-47.9
TENSI ONI (Sz= 0.00) :													
Caso	1-1	Ve	No	massi mi	Sx	Tz	Ty	Si					
1-1	si	4	3	Sx	Si	849.1	0.0	1.7	849.1				
1-1	si	7	4	Tz		-276.4	12.4	0.0	277.2				
4-8	si	5	5	Ty		362.5	0.0	26.1	365.3				

SOLLECI TAZI ONI										PROGR.	10.		
Caso	1-1	MZ	41343.2	MY	5072.3	MT	42.7	N	1312.2	TZ	331.1	TY	22.2
4-8			28287.0		3764.4		604.9		-391.6		236.3		-52.1
TENSI ONI (Sz= 0.00) :													
Caso	1-1	Ve	No	massi mi	Sx	Tz	Ty	Si					
1-1	si	4	3	Sx	Si	723.3	0.0	1.7	723.3				
1-1	si	7	4	Tz		-277.3	12.4	0.0	278.1				
4-8	si	5	5	Ty		272.5	0.0	26.2	276.3				

SOLLECI TAZI ONI										PROGR.	15.		
Caso	1-1	MZ	41441.6	MY	3381.1	MT	42.7	N	1315.2	TZ	331.1	TY	16.3
4-8			28021.7		2567.8		604.9		-389.5		236.3		-56.3
TENSI ONI (Sz= 0.00) :													
Caso	1-1	Ve	No	massi mi	Sx	Tz	Ty	Si					
1-1	si	4	3	Sx	Si	597.3	0.0	1.7	597.3				
1-1	si	7	4	Tz		-277.9	12.4	0.0	278.8				
4-8	si	5	5	Ty		182.8	0.0	26.4	188.5				

SOLLECI TAZI ONI										PROGR.	20.		
Caso	1-1	MZ	41509.4	MY	1690.0	MT	42.7	N	1318.2	TZ	331.1	TY	10.3
4-8			27738.2		1381.2		604.9		-387.4		236.3		-60.5
TENSI ONI (Sz= 0.00) :													
Caso	1-1	Ve	No	massi mi	Sx	Tz	Ty	Si					
1-1	si	4	3	Sx	Si	471.0	0.0	1.7	471.0				
1-1	si	7	4	Tz		-278.4	12.4	0.0	279.2				
4-8	si	5	5	Ty		93.9	0.0	26.5	104.6				

SOLLECI TAZI ONI										PROGR.	26.		
Caso	1-1	MZ	41546.7	MY	-1.2	MT	42.7	N	1321.2	TZ	331.1	TY	4.3
4-8			27437.8		234.1		604.9		-385.3		236.3		-64.6
TENSI ONI (Sz= 0.00) :													
Caso	1-1	Ve	No	massi mi	Sx	Tz	Ty	Si					
1-1	si	3	3	Sx	Si	344.7	0.0	1.7	344.7				
1-1	si	7	4	Tz		-278.6	12.4	0.0	279.4				
4-8	si	5	5	Ty		7.9	0.0	26.7	46.9				
1-1	si	8	8	Si		344.6	12.4	0.0	345.3				

SOLLECI TAZI ONI										PROGR.	31.		
Caso	1-1	MZ	41553.4	MY	-1692.3	MT	42.7	N	1324.2	TZ	331.1	TY	-1.7
4-8			27122.5		-855.7		604.9		-383.2		236.3		-68.8
TENSI ONI (Sz= 0.00) :													
Caso	1-1	Ve	No	massi mi	Sx	Tz	Ty	Si					
1-1	si	3	3	Sx	Si	471.7	0.0	1.7	471.7				
1-1	si	7	4	Tz		-278.5	12.4	0.0	279.4				
4-8	si	5	5	Ty		-73.8	0.0	26.9	87.2				

SOLLECI TAZI ONI										PROGR.	36.		
Caso	1-1	MZ	41529.6	MY	-3383.4	MT	42.7	N	1327.2	TZ	331.1	TY	-7.6
4-8			26796.0		-2368.0		604.9		-381.1		236.3		-73.0
TENSI ONI (Sz= 0.00) :													

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si					
1- 1	si	3	Sx Si	598. 4	0. 0	1. 7	598. 4					
1- 1	si	7	Tz	-278. 3	12. 4	0. 0	279. 1					
4- 8	si	5	Ty	-187. 1	0. 0	27. 0	192. 9					
								PROGR. 36.				
SOLLECI TAZI ONI :												
Caso			MZ	MY	MT	N	TZ	TY				
1- 1			41475. 4	-5074. 6	42. 7	1330. 2	331. 1	-13. 6				
4- 8			26464. 7	-3548. 8	604. 9	-379. 1	236. 3	-77. 2				
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si					
1- 1	si	3	Sx Si	724. 9	0. 0	1. 7	724. 9					
1- 1	si	7	Tz	-277. 8	12. 4	0. 0	278. 6					
4- 8	si	5	Ty	-275. 6	0. 0	27. 2	279. 6					
								PROGR. 41.				
SOLLECI TAZI ONI :												
Caso			MZ	MY	MT	N	TZ	TY				
1- 1			41390. 5	-6765. 7	42. 7	1333. 1	331. 1	-19. 6				
4- 8			26140. 7	-4743. 2	604. 9	-377. 0	236. 3	-81. 3				
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si					
1- 1	si	3	Sx Si	851. 2	0. 0	1. 7	851. 2					
1- 1	si	7	Tz	-277. 1	12. 4	0. 0	277. 9					
4- 8	si	5	Ty	-365. 2	0. 0	27. 3	368. 2					
-----												
VERIFI CA STABI LI TA` :												
Z	LO =	41.	Ro =	5. 77	Im =	7. 1	Ncr=	16552403. 2	al fa(c )=	0. 4900	ki=	1. 0000
Y	Lc =	41.	Ro =	0. 58	Im =	70. 8	Ncr=	165524. 0	al fa(c )=	0. 4900	ki=	0. 5838
Caso 4- 7 - Nodo 2 - Asse Y												
Ned = -417. 4   Mzeq = 28830. 6   Myeq = 3691. 9   Ss = -511. 7 ( 0. 151)												
RETTANGOLARE_S003 ( 3) stato limite ultimo - ASTA ( 127- 128) 280												
-----												
SOLLECI TAZI ONI :												
Caso			MZ	MY	MT	N	TZ	TY				
1- 1			41279. 1	3771. 5	-5151. 7	1611. 6	271. 7	-91. 7				
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si					
1- 1	si	4	Sx Si	632. 7	0. 0	206. 8	727. 1					
1- 1	si	7	Tz	-269. 3	10. 2	0. 0	269. 9					
1- 1	si	5	Ty	323. 2	0. 0	210. 2	486. 8					
								PROGR. 5.				
SOLLECI TAZI ONI :												
Caso			MZ	MY	MT	N	TZ	TY				
1- 1			40795. 5	2383. 6	-5151. 7	1614. 6	271. 7	-97. 7				
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si					
1- 1	si	4	Sx Si	525. 1	0. 0	206. 8	635. 6					
1- 1	si	7	Tz	-265. 6	10. 2	0. 0	266. 2					
1- 1	si	5	Ty	219. 1	0. 0	210. 4	425. 3					
								PROGR. 10.				
SOLLECI TAZI ONI :												
Caso			MZ	MY	MT	N	TZ	TY				
1- 1			40281. 4	995. 6	-5151. 7	1617. 6	271. 7	-103. 6				
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si					
1- 1	si	4	Sx Si	417. 2	0. 0	206. 8	549. 8					
1- 1	si	7	Tz	-261. 7	10. 2	0. 0	262. 3					
1- 1	si	5	Ty	115. 1	0. 0	210. 6	382. 6					
								PROGR. 15.				
SOLLECI TAZI ONI :												
Caso			MZ	MY	MT	N	TZ	TY				
1- 1			39736. 8	-392. 3	-5151. 7	1620. 6	271. 7	-109. 6				
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si					
1- 1	si	3	Sx Si	368. 0	0. 0	206. 8	513. 5					
1- 1	si	7	Tz	-257. 5	10. 2	0. 0	258. 1					
1- 1	si	5	Ty	11. 1	0. 0	210. 9	365. 4					
								PROGR. 20.				
SOLLECI TAZI ONI :												
Caso			MZ	MY	MT	N	TZ	TY				
1- 1			39161. 6	-1780. 3	-5151. 7	1623. 6	271. 7	-115. 6				
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si					
1- 1	si	3	Sx Si	467. 8	0. 0	206. 8	589. 2					
1- 1	si	7	Tz	-253. 1	10. 2	0. 0	253. 7					
1- 1	si	5	Ty	-92. 9	0. 0	211. 1	377. 2					
								PROGR. 26.				
SOLLECI TAZI ONI :												
Caso			MZ	MY	MT	N	TZ	TY				
1- 1			38555. 9	-3168. 2	-5151. 7	1626. 6	271. 7	-121. 6				
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si					
1- 1	si	3	Sx Si	567. 4	0. 0	206. 8	671. 0					
1- 1	si	7	Tz	-248. 5	10. 2	0. 0	249. 1					
1- 1	si	5	Ty	-197. 0	0. 0	211. 3	415. 6					
								PROGR. 31.				
SOLLECI TAZI ONI :												
Caso			MZ	MY	MT	N	TZ	TY				
1- 1			37919. 7	-4556. 1	-5151. 7	1629. 6	271. 7	-127. 6				
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si					
1- 1	si	3	Sx Si	666. 8	0. 0	206. 8	756. 9					
1- 1	si	7	Tz	-243. 7	10. 2	0. 0	244. 3					
1- 1	si	5	Ty	-301. 0	0. 0	211. 5	474. 2					
								PROGR. 36.				
SOLLECI TAZI ONI :												
Caso			MZ	MY	MT	N	TZ	TY				
1- 1			37253. 0	-5944. 1	-5151. 7	1632. 6	271. 7	-133. 5				
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si					
1- 1	si	3	Sx Si	766. 0	0. 0	206. 8	845. 6					
1- 1	si	7	Tz	-238. 6	10. 2	0. 0	239. 2					
1- 1	si	5	Ty	-405. 0	0. 0	211. 8	546. 4					
								PROGR. 41.				
SOLLECI TAZI ONI :												
Caso			MZ	MY	MT	N	TZ	TY				
1- 1			36555. 7	-7332. 0	-5151. 7	1635. 5	271. 7	-139. 5				
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si					
1- 1	si	3	Sx Si	865. 0	0. 0	206. 8	936. 2					

1- 1	si	7	Tz	-233.3	10.2	0.0	233.9
1- 1	si	5	Ty	-509.0	0.0	212.0	627.6

VERIFICA STABILITA' :

Z LO = 41. | Ro = 5.77 | Im = 7.1 | Ncr= 16552402.9 | al fa(c)=0.4900 | ki=1.0000  
 Y Lc = 41. | Ro = 0.58 | Im = 70.8 | Ncr= 165524.0 | al fa(c)=0.4900 | ki=0.5838  
 Caso 4- 7 - Nodo 1 - Asse Y  
 Ned = -92.5 | Mzeq = 26488.8 | Myeq = -4167.5 | Ss = -515.4 ( 0.152)

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 128- 49) 281  
 PROGR. 0.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
4- 7		21172.7	3006.5	-8497.4	159.2	272.7	-73.3
1- 1		36262.6	495.4	-19529.0	1883.4	276.1	-1.6

TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 7	si	4	Sx	388.3	0.0	341.0	706.9
1- 1	si	7	Tz	-224.9	10.4	0.0	225.6
1- 1	si	5	Ty	84.2	0.0	783.8	1360.2
1- 1	si	4	Si	356.2	0.0	783.8	1403.5

PROGR. 1.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
4- 7		21126.0	2819.7	-8497.4	159.5	272.7	-73.9
1- 1		36261.2	305.6	-19529.0	1883.8	276.1	-2.4

TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 7	si	4	Sx	373.9	0.0	341.0	699.1
1- 1	si	7	Tz	-224.9	10.4	0.0	225.6
1- 1	si	5	Ty	70.0	0.0	783.9	1359.5
1- 1	si	4	Si	342.0	0.0	783.8	1399.9

PROGR. 1.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
4- 7		21078.8	2633.0	-8497.4	159.8	272.7	-74.4
1- 1		36259.3	115.9	-19529.0	1884.2	276.1	-3.2

TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 7	si	4	Sx	359.6	0.0	341.0	691.5
1- 1	si	7	Tz	-224.8	10.4	0.0	225.6
1- 1	si	5	Ty	55.8	0.0	783.9	1358.9
1- 1	si	4	Si	327.7	0.0	783.8	1396.5

PROGR. 2.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
4-10		24879.4	-1623.5	-8393.0	1503.8	24.5	-53.9
1- 1		36256.8	-73.9	-19529.0	1884.6	276.1	-4.0

TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-10	si	3	Sx	346.0	0.0	336.8	678.3
1- 1	si	7	Tz	-224.8	10.4	0.0	225.5
1- 1	si	5	Ty	41.6	0.0	783.9	1358.4
1- 1	si	3	Si	324.6	0.0	783.8	1395.8

PROGR. 3.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
4-10		24838.6	-1641.1	-8393.0	1504.1	24.5	-54.4
1- 1		36253.8	-263.7	-19529.0	1885.0	276.1	-4.8

TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-10	si	3	Sx	347.0	0.0	336.8	678.8
1- 1	si	7	Tz	-224.8	10.4	0.0	225.5
1- 1	si	5	Ty	27.4	0.0	784.0	1358.1
1- 1	si	3	Si	338.8	0.0	783.8	1399.2

PROGR. 3.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		36250.2	-453.4	-19529.0	1885.4	276.1	-5.6

TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	353.0	0.0	783.8	1402.7
1- 1	si	7	Tz	-224.7	10.4	0.0	225.5
1- 1	si	5	Ty	13.1	0.0	784.0	1358.0

PROGR. 4.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		36246.1	-643.2	-19529.0	1885.8	276.1	-6.4

TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	367.2	0.0	783.8	1406.3
1- 1	si	7	Tz	-224.7	10.4	0.0	225.4
1- 1	si	5	Ty	-1.1	0.0	784.0	1357.9

PROGR. 5.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		36241.4	-832.9	-19529.0	1886.2	276.1	-7.2

TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	381.4	0.0	783.8	1410.1
1- 1	si	7	Tz	-224.7	10.4	0.0	225.4
1- 1	si	5	Ty	-15.3	0.0	784.0	1358.1

PROGR. 5.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		36236.1	-1022.7	-19529.0	1886.6	276.1	-8.0

TENSI ONI (Sz= 0.00) :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		34184.4	14715.6	12543.7	1823.0	661.5	193.3

VERIFICA STABILITA' : asta tesa per tutti i casi di carico.

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 49- 129) 282  
 PROGR. 0.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		34184.4	14715.6	12543.7	1823.0	661.5	193.3

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si			
1-1	si	4	Sx Si	1405.6	0.0	503.4	1654.1			
1-1	si	7	Tz	-210.8	24.8	0.0	215.1			
1-1	si	5	Ty	1149.2	0.0	-510.7	1450.2			
-----									PROGR. 4.	
SOLLECI TAZI ONI :										
Caso			MZ	MY	MT	N	TZ	TY		
1-1			35027.3	11791.9	12543.7	1825.5	661.5	188.1		
TENSIONI (Sz=0.00) :										
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si			
1-1	si	4	Sx Si	1192.7	0.0	503.4	1477.5			
1-1	si	7	Tz	-217.1	24.8	0.0	221.3			
1-1	si	5	Ty	930.0	0.0	-510.5	1283.2			
-----									PROGR. 9.	
SOLLECI TAZI ONI :										
Caso			MZ	MY	MT	N	TZ	TY		
1-1			35847.5	8868.1	12543.7	1828.1	661.5	183.0		
TENSIONI (Sz=0.00) :										
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si			
1-1	si	4	Sx Si	979.7	0.0	503.4	1311.5			
1-1	si	7	Tz	-223.2	24.8	0.0	227.3			
1-1	si	5	Ty	710.8	0.0	-510.3	1134.2			
-----									PROGR. 13.	
SOLLECI TAZI ONI :										
Caso			MZ	MY	MT	N	TZ	TY		
1-1			36644.7	5944.4	12543.7	1830.7	661.5	177.8		
TENSIONI (Sz=0.00) :										
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si			
1-1	si	4	Sx Si	766.4	0.0	503.4	1160.9			
1-1	si	7	Tz	-229.1	24.8	0.0	233.1			
1-1	si	5	Ty	491.6	0.0	-510.1	1011.1			
-----									PROGR. 18.	
SOLLECI TAZI ONI :										
Caso			MZ	MY	MT	N	TZ	TY		
1-1			37419.1	3020.7	12543.7	1833.3	661.5	172.6		
TENSIONI (Sz=0.00) :										
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si			
1-1	si	4	Sx Si	553.0	0.0	503.4	1032.5			
1-1	si	7	Tz	-234.8	24.8	0.0	238.7			
1-1	si	5	Ty	272.4	0.0	-509.9	924.2			
-----									PROGR. 22.	
SOLLECI TAZI ONI :										
Caso			MZ	MY	MT	N	TZ	TY		
1-1			38170.7	97.0	12543.7	1835.9	661.5	167.4		
TENSIONI (Sz=0.00) :										
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si			
1-1	si	4	Sx Si	339.5	0.0	503.4	935.7			
1-1	si	7	Tz	-240.4	24.8	0.0	244.2			
1-1	si	5	Ty	53.2	0.0	-509.7	884.4			
-----									PROGR. 27.	
SOLLECI TAZI ONI :										
Caso			MZ	MY	MT	N	TZ	TY		
1-1			38899.3	-2826.8	12543.7	1838.5	661.5	162.3		
TENSIONI (Sz=0.00) :										
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si			
1-1	si	3	Sx Si	549.7	0.0	503.4	1030.8			
1-1	si	7	Tz	-245.8	24.8	0.0	249.5			
1-1	si	5	Ty	-166.0	0.0	-509.5	898.0			
-----									PROGR. 31.	
SOLLECI TAZI ONI :										
Caso			MZ	MY	MT	N	TZ	TY		
1-1			39605.2	-5750.5	12543.7	1841.1	661.5	157.1		
TENSIONI (Sz=0.00) :										
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si			
1-1	si	3	Sx Si	774.4	0.0	503.4	1166.2			
1-1	si	7	Tz	-251.0	24.8	0.0	254.7			
1-1	si	5	Ty	-385.3	0.0	-509.3	962.6			
-----									PROGR. 35.	
SOLLECI TAZI ONI :										
Caso			MZ	MY	MT	N	TZ	TY		
1-1			40288.1	-8674.2	12543.7	1843.7	661.5	151.9		
TENSIONI (Sz=0.00) :										
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si			
1-1	si	3	Sx Si	998.8	0.0	503.4	1325.9			
1-1	si	7	Tz	-256.1	24.8	0.0	259.6			
1-1	si	5	Ty	-604.5	0.0	-509.1	1069.1			
-----										
VERI FICA STABI LI TA` :										
Z	LO =	35.	Ro =	5.77	Im =	6.1	Ncr=	22100933.6	al fa(c) = 0.4900	ki = 1.0000
Y	Lc =	35.	Ro =	0.58	Im =	61.2	Ncr=	221009.3	al fa(c) = 0.4900	ki = 0.6612
Caso 4- 5 - Nodo 2 - Asse Y										
Ned = -37.7   Mzeq = 23158.5   Myeq = 6544.7   Ss = -666.0 ( 0.197)										
RETTANGOLARE_S003 ( 3) stato limite ultimo - ASTA ( 129- 130) 283										
-----									PROGR. 0.	
SOLLECI TAZI ONI :										
Caso			MZ	MY	MT	N	TZ	TY		
1-1			39868.7	16099.3	4140.6	2437.1	729.5	161.1		
TENSIONI (Sz=0.00) :										
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si			
1-1	si	4	Sx Si	1567.4	0.0	166.2	1593.6			
1-1	si	7	Tz	-238.1	27.4	0.0	242.8			
1-1	si	5	Ty	1268.4	0.0	-172.2	1303.0			
-----									PROGR. 5.	
SOLLECI TAZI ONI :										
Caso			MZ	MY	MT	N	TZ	TY		
1-1			40676.4	12373.1	4140.6	2440.1	729.5	155.2		
TENSIONI (Sz=0.00) :										
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si			
1-1	si	4	Sx Si	1294.1	0.0	166.2	1325.7			
1-1	si	7	Tz	-244.1	27.4	0.0	248.6			
1-1	si	5	Ty	989.0	0.0	-172.0	1032.9			
-----									PROGR. 10.	
SOLLECI TAZI ONI :										
Caso			MZ	MY	MT	N	TZ	TY		
1-1			41453.7	8647.0	4140.6	2443.0	729.5	149.2		
TENSIONI (Sz=0.00) :										
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si			
1-1	si	4	Sx Si	1020.5	0.0	166.2	1060.3			
1-1	si	7	Tz	-249.8	27.4	0.0	254.3			
1-1	si	5	Ty	709.6	0.0	-171.8	769.4			

----- PROGR.										15.	
SOLLECI TAZI ONI :											
Caso	1-1		MZ		MY		MT		N	TZ	TY
			42200.4		4920.9		4140.6		2446.0	729.5	143.2
TENSI ONI (Sz= 0.00) :											
Caso	1-1	Ve	No	massi		Sx		Tz		Ty	Si
		si	4	Sx	Si	746.7		0.0		166.2	800.3
		si	7			-255.4		27.4		0.0	259.7
		si	5	Tz	Ty	430.2		0.0		-171.5	522.9
----- PROGR.										20.	
SOLLECI TAZI ONI :											
Caso	1-1		MZ		MY		MT		N	TZ	TY
			42916.6		1194.8		4140.6		2449.0	729.5	137.2
TENSI ONI (Sz= 0.00) :											
Caso	1-1	Ve	No	massi		Sx		Tz		Ty	Si
		si	4	Sx	Si	472.7		0.0		166.2	553.4
		si	7			-260.6		27.4		0.0	264.9
		si	5	Tz	Ty	150.8		0.0		-171.3	332.9
----- PROGR.										26.	
SOLLECI TAZI ONI :											
Caso	1-1		MZ		MY		MT		N	TZ	TY
			43602.2		-2531.4		4140.6		2452.0	729.5	131.3
TENSI ONI (Sz= 0.00) :											
Caso	1-1	Ve	No	massi		Sx		Tz		Ty	Si
		si	3	Sx	Si	578.2		0.0		166.2	645.9
		si	7			-265.7		27.4		0.0	269.9
		si	5	Tz	Ty	-128.6		0.0		-171.1	323.0
----- PROGR.										31.	
SOLLECI TAZI ONI :											
Caso	1-1		MZ		MY		MT		N	TZ	TY
			44257.4		-6257.5		4140.6		2455.0	729.5	125.3
TENSI ONI (Sz= 0.00) :											
Caso	1-1	Ve	No	massi		Sx		Tz		Ty	Si
		si	3	Sx	Si	862.6		0.0		166.2	909.4
		si	7			-270.6		27.4		0.0	274.7
		si	5	Tz	Ty	-407.9		0.0		-170.9	504.0
----- PROGR.										36.	
SOLLECI TAZI ONI :											
Caso	1-1		MZ		MY		MT		N	TZ	TY
			44882.0		-9983.6		4140.6		2458.0	729.5	119.3
TENSI ONI (Sz= 0.00) :											
Caso	1-1	Ve	No	massi		Sx		Tz		Ty	Si
		si	3	Sx	Si	1146.8		0.0		166.2	1182.4
		si	7			-275.2		27.4		0.0	279.2
		si	5	Tz	Ty	-687.3		0.0		-170.7	748.2
----- PROGR.										41.	
SOLLECI TAZI ONI :											
Caso	1-1		MZ		MY		MT		N	TZ	TY
			45476.1		-13709.7		4140.6		2461.0	729.5	113.3
TENSI ONI (Sz= 0.00) :											
Caso	1-1	Ve	No	massi		Sx		Tz		Ty	Si
		si	3	Sx	Si	1430.8		0.0		166.2	1459.5
		si	7			-279.5		27.4		0.0	283.5
		si	5	Tz	Ty	-966.7		0.0		-170.4	1010.8
----- PROGR.											
VERIFICA STABILITA' : asta tesa per tutti i casi di carico.											
RETTANGOLARE_S003 ( 3 ) stato limite ultimo - ASTA ( 130- 42)										284	
----- PROGR.										0.	
SOLLECI TAZI ONI :											
Caso	1-1		MZ		MY		MT		N	TZ	TY
			45084.2		18180.0		-1866.6		3228.8	618.0	92.9
	4-7		35031.4		13516.8		-1917.3		1078.8	461.3	195.3
TENSI ONI (Sz= 0.00) :											
Caso	1-1	Ve	No	massi		Sx		Tz		Ty	Si
		si	4	Sx	Si	1782.3		0.0		74.9	1787.1
		si	7			-257.4		23.2		0.0	260.5
	4-7	si	5	Tz	Ty	1040.7		0.0		-84.3	1050.9
----- PROGR.										7.	
SOLLECI TAZI ONI :											
Caso	1-1		MZ		MY		MT		N	TZ	TY
			45745.2		13566.0		-1866.6		3233.2	618.0	84.2
	4-7		36507.9		10072.5		-1917.3		1081.9	461.3	189.2
TENSI ONI (Sz= 0.00) :											
Caso	1-1	Ve	No	massi		Sx		Tz		Ty	Si
		si	4	Sx	Si	1441.4		0.0		74.9	1447.2
		si	7			-262.3		23.2		0.0	265.3
	4-7	si	5	Tz	Ty	782.5		0.0		-84.0	795.9
----- PROGR.										15.	
SOLLECI TAZI ONI :											
Caso	1-1		MZ		MY		MT		N	TZ	TY
			46341.0		8952.0		-1866.6		3237.6	618.0	75.4
	4-7		37937.3		6628.2		-1917.3		1084.9	461.3	183.1
TENSI ONI (Sz= 0.00) :											
Caso	1-1	Ve	No	massi		Sx		Tz		Ty	Si
		si	4	Sx	Si	1099.9		0.0		74.9	1107.5
		si	7			-266.6		23.2		0.0	269.6
	4-7	si	5	Tz	Ty	524.2		0.0		-83.8	544.0
----- PROGR.										22.	
SOLLECI TAZI ONI :											
Caso	1-1		MZ		MY		MT		N	TZ	TY
			46871.6		4338.0		-1866.6		3241.9	618.0	66.7
	4-7		39319.6		3184.1		-1917.3		1088.0	461.3	177.0
TENSI ONI (Sz= 0.00) :											
Caso	1-1	Ve	No	massi		Sx		Tz		Ty	Si
		si	4	Sx	Si	757.9		0.0		74.9	769.0
		si	7			-270.5		23.2		0.0	273.5
	4-7	si	5	Tz	Ty	266.0		0.0		-83.6	302.9
----- PROGR.										30.	
SOLLECI TAZI ONI :											
Caso	1-1		MZ		MY		MT		N	TZ	TY
			47336.9		-276.0		-1866.6		3246.3	618.0	58.0
	4-7		40654.8		-265.3		-1917.3		1091.0	461.3	170.9
TENSI ONI (Sz= 0.00) :											
Caso	1-1	Ve	No	massi		Sx		Tz		Ty	Si
		si	3	Sx	Si	456.9		0.0		74.9	475.0
		si	7			-273.9		23.2		0.0	276.8
	4-7	si	5	Tz	Ty	7.4		0.0		-83.4	144.6
----- PROGR.										37.	
SOLLECI TAZI ONI :											
Caso	1-1		MZ		MY		MT		N	TZ	TY
			47737.1		-4890.0		-1866.6		3250.7	618.0	49.2
	4-7		41943.0		-3705.7		-1917.3		1094.1	461.3	164.8

TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	3	Sx	806.0	0.0	74.9	816.4		
1-1	si	7	Tz	-276.8	23.2	0.0	279.7		
4-7	si	5	Ty	-250.6	0.0	-83.1	289.0		
----- PROGR. 45.									
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1-1			48072.0	-9504.0	-1866.6	3255.0	618.0	40.5	
4-7			43184.3	-7149.8	-1917.3	1097.1	461.3	158.7	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	3	Sx	1154.7	0.0	74.9	1162.0		
1-1	si	7	Tz	-279.2	23.2	0.0	282.0		
4-7	si	5	Ty	-508.8	0.0	-82.9	528.7		
----- PROGR. 52.									
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1-1			48341.6	-14117.9	-1866.6	3259.4	618.0	31.7	
4-7			44378.6	-10594.1	-1917.3	1100.2	461.3	152.6	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	3	Sx	1502.9	0.0	74.9	1508.5		
1-1	si	7	Tz	-281.1	23.2	0.0	283.9		
4-7	si	5	Ty	-767.1	0.0	-82.7	780.3		
----- PROGR. 60.									
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1-1			48546.0	-18731.9	-1866.6	3263.8	618.0	23.0	
4-7			45526.1	-14038.5	-1917.3	1103.3	461.3	146.5	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	3	Sx	1850.6	0.0	74.9	1855.1		
1-1	si	7	Tz	-282.5	23.2	0.0	285.3		
4-7	si	5	Ty	-1025.3	0.0	-82.4	1035.2		
----- PROGR. 60.									
VERIFICA STABILITA` : asta tesa per tutti i casi di carico.									
----- PROGR. 0.									
RETTANGOLARE_S003 ( 3) stato limite ultimo - ASTA ( 281- 301) 294									
----- PROGR. 0.									
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
5-12			-862.7	-29571.5	-14080.1	4439.0	-1749.5	54.5	
1-1			5796.1	-21010.9	-21967.4	1307.5	-1544.0	181.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
5-12	si	2	Sx	2335.3	0.0	565.1	2532.1		
5-12	si	7	Tz	117.4	-65.6	0.0	163.4		
1-1	si	5	Ty	-1543.1	0.0	-888.4	2179.3		
----- PROGR. 3.									
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
5-10			-1203.3	-23550.6	-13860.6	4625.6	-1736.6	43.8	
5-12			-683.1	-23661.4	-14080.1	4437.6	-1749.5	51.7	
1-1			6400.8	-15794.6	-21967.4	1305.5	-1544.0	177.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
5-10	si	2	Sx	1891.0	0.0	556.3	2122.3		
5-12	si	7	Tz	116.1	-65.6	0.0	162.4		
1-1	si	5	Ty	-1152.0	0.0	-888.3	1922.0		
5-12	si	2	Si	1890.7	0.0	565.1	2129.0		
----- PROGR. 7.									
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
5-10			-1059.0	-17682.7	-13860.6	4624.2	-1736.6	41.0	
5-12			-512.9	-17751.9	-14080.1	4436.2	-1749.5	48.9	
1-1			6992.2	-10578.3	-21967.4	1303.5	-1544.0	173.1	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
5-10	si	2	Sx	1449.8	0.0	556.3	1740.7		
5-12	si	7	Tz	114.8	-65.6	0.0	161.5		
1-1	si	5	Ty	-760.8	0.0	-888.1	1716.1		
1-1	si	3	Si	878.4	0.0	881.6	1761.7		
----- PROGR. 10.									
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
5-10			-924.1	-11845.1	-13860.6	4622.8	-1736.6	38.3	
5-12			-352.0	-11812.1	-14080.1	4434.8	-1749.5	46.2	
1-1			7570.2	-5361.9	-21967.4	1301.6	-1544.0	169.1	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
5-10	si	2	Sx	1010.9	0.0	556.3	1396.5		
5-12	si	7	Tz	113.5	-65.6	0.0	160.6		
1-1	si	5	Ty	-369.6	0.0	-888.0	1581.8		
1-1	si	3	Si	491.5	0.0	881.6	1604.2		
----- PROGR. 14.									
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
5-7			17081.8	5782.4	-4164.0	-3686.9	481.5	212.1	
5-12			-200.5	-5922.6	-14080.1	4433.5	-1749.5	43.4	
1-1			8134.9	-145.6	-21967.4	1299.6	-1544.0	165.2	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
5-7	si	2	Sx	-654.0	0.0	167.1	715.2		
5-12	si	7	Tz	112.3	-65.6	0.0	159.8		
1-1	si	5	Ty	21.6	0.0	-887.8	1537.9		
1-1	si	6	Si	43.4	0.0	-887.8	1538.4		
----- PROGR. 17.									
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
5-7			17793.0	4152.3	-4164.0	-3688.3	481.5	209.4	
5-12			-58.3	-15.4	-14080.1	4432.1	-1749.5	40.7	
1-1			8686.2	5070.7	-21967.4	1297.6	-1544.0	161.2	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
5-7	si	2	Sx	-537.1	0.0	167.1	610.1		
5-12	si	7	Tz	111.2	-65.6	0.0	159.0		
1-1	si	5	Ty	412.7	0.0	-887.7	1591.9		
1-1	si	4	Si	477.9	0.0	881.6	1600.1		
----- PROGR. 20.									
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1-1			9224.2	10287.0	-21967.4	1295.6	-1544.0	157.3	

5-12	74.6	5894.2	-14080.1	4430.7	-1749.5	37.9
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi	Sx	Tz	Ty
1-1	si	4	Sx	873.1	0.0	881.6
5-12	si	7	Tz	110.2	-65.6	0.0
1-1	si	5	Ty	803.9	0.0	-887.5

PROGR. 24.

SOLLECI TAZIONI :						
Caso	Ve	No	MZ	MY	MT	N
1-1			9748.8	15503.3	-21967.4	1293.7
5-12			198.2	11804.3	-14080.1	4429.3
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi	Sx	Tz	Ty
1-1	si	4	Sx	1268.2	0.0	881.6
5-12	si	7	Tz	109.2	-65.6	0.0
1-1	si	5	Ty	1195.1	0.0	-887.4

PROGR. 27.

SOLLECI TAZIONI :						
Caso	Ve	No	MZ	MY	MT	N
1-1			10260.0	20719.7	-21967.4	1291.7
5-12			312.4	17714.6	-14080.1	4427.9
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi	Sx	Tz	Ty
1-1	si	4	Sx	1663.2	0.0	881.6
5-12	si	7	Tz	108.4	-65.6	0.0
1-1	si	5	Ty	1586.3	0.0	-887.2

## VERIFICA STABILITA' :

Z LO = 27. Lc = 27. Ro = 5.77 | Im = 4.7 | Ncr = 37831146.8 | al fa(c) = 0.4900 | ki = 1.0000  
 Y Lc = 27. Ro = 0.58 | Im = 46.8 | Ncr = 378311.5 | al fa(c) = 0.4900 | ki = 0.7779  
 Caso 5-7 - Nodo 2 - Asse Y  
 Ned = -3692.5 | Mzeq = 19870.7 | Myeq = 9211.6 | Ss = -965.4 ( 0.286)

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 301- 280 ) 295  
 0. PROGR.

SOLLECI TAZIONI :						
Caso	Ve	No	MZ	MY	MT	N
5-7			19618.3	-5469.2	3537.1	-3733.7
5-12			369.7	3305.6	15913.0	4393.7
1-1			10294.4	-2658.1	24057.3	1232.2
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi	Sx	Tz	Ty
5-7	si	1	Sx	-650.7	0.0	142.0
5-12	si	7	Tz	107.1	-54.6	0.0
1-1	si	5	Ty	-168.6	0.0	-966.7
1-1	si	3	Si	307.4	0.0	965.5

PROGR. 2.

SOLLECI TAZIONI :						
Caso	Ve	No	MZ	MY	MT	N
5-7			19804.3	-6525.7	3537.1	-3734.4
5-12			313.7	5914.3	15913.0	4393.0
1-1			10349.8	-761.3	24057.3	1231.2
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi	Sx	Tz	Ty
5-7	si	1	Sx	-731.3	0.0	142.0
5-12	si	7	Tz	107.5	-54.6	0.0
1-1	si	5	Ty	-26.3	0.0	-966.6
1-1	si	3	Si	165.5	0.0	965.5

PROGR. 4.

SOLLECI TAZIONI :						
Caso	Ve	No	MZ	MY	MT	N
5-7			19987.7	-7583.4	3537.1	-3735.1
5-12			255.1	8521.6	15913.0	4392.2
1-1			10401.4	1135.6	24057.3	1230.1
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi	Sx	Tz	Ty
5-7	si	1	Sx	-812.0	0.0	142.0
5-12	si	7	Tz	107.9	-54.6	0.0
1-1	si	5	Ty	115.9	0.0	-966.6
1-1	si	4	Si	193.9	0.0	965.5

PROGR. 5.

SOLLECI TAZIONI :						
Caso	Ve	No	MZ	MY	MT	N
5-10			-528.3	11151.1	15669.7	4580.5
5-12			193.8	11126.4	15913.0	4391.5
1-1			10449.2	3032.4	24057.3	1229.1
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi	Sx	Tz	Ty
5-10	si	1	Sx	954.8	0.0	628.9
5-12	si	7	Tz	108.3	-54.6	0.0
1-1	si	5	Ty	258.2	0.0	-966.5
1-1	si	4	Si	336.5	0.0	965.5

PROGR. 7.

SOLLECI TAZIONI :						
Caso	Ve	No	MZ	MY	MT	N
5-10			-598.7	13756.2	15669.7	4579.8
5-12			129.9	13727.5	15913.0	4390.8
1-1			10493.3	4929.3	24057.3	1228.1
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi	Sx	Tz	Ty
5-10	si	1	Sx	1150.7	0.0	628.9
5-12	si	7	Tz	108.8	-54.6	0.0
1-1	si	5	Ty	400.4	0.0	-966.4
1-1	si	4	Si	479.1	0.0	965.5

PROGR. 9.

SOLLECI TAZIONI :						
Caso	Ve	No	MZ	MY	MT	N
5-10			-671.7	16363.7	15669.7	4579.1
5-12			63.3	16326.2	15913.0	4390.0
1-1			10533.7	6826.2	24057.3	1227.0
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi	Sx	Tz	Ty
5-10	si	1	Sx	1346.8	0.0	628.9
5-12	si	7	Tz	109.3	-54.6	0.0
1-1	si	5	Ty	542.6	0.0	-966.3
1-1	si	4	Si	621.6	0.0	965.5

PROGR. 11.

SOLLECI TAZIONI :						
Caso	Ve	No	MZ	MY	MT	N
5-10			-747.3	18972.4	15669.7	4578.3
5-12			-5.8	18923.8	15913.0	4389.3
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi	Sx	Tz	Ty
5-10	si	1	Sx	1346.8	0.0	628.9
5-12	si	7	Tz	109.3	-54.6	0.0
1-1	si	5	Ty	542.6	0.0	-966.3
1-1	si	4	Si	621.6	0.0	965.5

1- 1		10570.3	8723.0	24057.3	1226.0	-1058.8	19.4
5-16		1436.1	18913.9	15942.6	4137.6	-1456.1	-30.6
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	1	Sx	1543.0	0.0	628.9	1888.7
5-12	si	7	Tz	109.8	-54.6	0.0	144.9
1- 1	si	5	Ty	684.9	0.0	-966.2	1808.3
5-16	si	4	Si	1532.8	0.0	639.8	1891.4
----- PROGR. 13.							

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
5-10		-825.6	21581.7	15669.7	4577.6	-1449.2	-44.5
5-12		-77.6	21520.8	15913.0	4388.6	-1456.8	-40.9
1- 1		10603.1	10619.9	24057.3	1224.9	-1058.8	17.3
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	1	Sx	1739.3	0.0	628.9	2052.2
5-12	si	7	Tz	110.3	-54.6	0.0	145.3
1- 1	si	5	Ty	827.1	0.0	-966.2	1866.7
----- PROGR. 14.							

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
5-10		-906.5	24191.2	15669.7	4576.9	-1449.2	-46.0
5-12		-152.0	24117.6	15913.0	4387.8	-1456.8	-42.3
1- 1		10632.2	12516.7	24057.3	1223.9	-1058.8	15.2
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	1	Sx	1935.6	0.0	628.9	2221.0
5-12	si	7	Tz	110.8	-54.6	0.0	145.7
1- 1	si	5	Ty	969.4	0.0	-966.1	1933.8

## VERIFICA STABILITA` :

Z | LO = 14. | Ro = 5.77 | Im = 2.5 | Ncr=134526347.8 | al fa(c )=0.4900 | ki=1.0000  
 Y | Lc = 14. | Ro = 0.58 | Im = 24.8 | Ncr= 1345263.4 | al fa(c )=0.4900 | ki=0.9364  
 Caso 5- 7 - Nodo 1 - Asse Y  
 Ned = -3739.5 | Mzeq = 21033.0 | Myeq = -12627.6 | Ss = -1207.3 ( 0.357)

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 278- 295 ) 296  
 0. ----- PROGR.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
5-14		5548.2	-22108.1	-11618.2	1290.2	-1299.0	74.7
5-16		6248.4	-21934.6	-11677.2	1115.2	-1289.5	65.3
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-14	si	3	Sx	1732.0	0.0	466.3	1911.0
5-14	si	7	Tz	-9.4	-48.7	0.0	84.9
5-16	si	5	Ty	-1617.2	0.0	-471.1	1811.4
----- PROGR. 4.							

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
5-14		5804.4	-17171.4	-11618.2	1288.6	-1299.0	71.5
5-16		6496.9	-17033.8	-11677.2	1113.6	-1289.5	62.2
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-14	si	3	Sx	1363.6	0.0	466.3	1584.8
5-14	si	7	Tz	-11.3	-48.7	0.0	85.1
5-16	si	5	Ty	-1249.7	0.0	-471.0	1492.4
----- PROGR. 8.							

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
5-14		6044.1	-12234.8	-11618.2	1287.1	-1299.0	68.4
5-16		6730.7	-12132.8	-11677.2	1112.1	-1289.5	59.1
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-14	si	3	Sx	995.1	0.0	466.3	1281.6
5-14	si	7	Tz	-13.2	-48.7	0.0	85.4
5-16	si	5	Ty	-882.2	0.0	-470.9	1201.4
----- PROGR. 11.							

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
5-14		6264.1	-7298.5	-11618.2	1285.5	-1299.0	65.3
5-16		6946.6	-7231.7	-11677.2	1110.5	-1289.5	56.0
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-14	si	3	Sx	626.5	0.0	466.3	1022.1
5-14	si	7	Tz	-14.8	-48.7	0.0	85.7
5-16	si	5	Ty	-514.6	0.0	-470.7	964.2
5-16	si	3	Si	622.2	0.0	468.7	1022.8
----- PROGR. 15.							

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
5- 7		10619.8	1523.7	3891.7	-2569.3	501.7	-326.8
5-14		6455.0	-2363.1	-11618.2	1283.9	-1299.0	62.2
5-16		7135.3	-2329.6	-11677.2	1109.0	-1289.5	52.9
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5- 7	si	2	Sx	-258.2	0.0	156.2	373.9
5-14	si	7	Tz	-16.3	-48.7	0.0	85.9
5-16	si	5	Ty	-147.0	0.0	-470.6	828.3
5-16	si	3	Si	256.0	0.0	468.7	851.1
----- PROGR. 19.							

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		14661.6	2821.8	-9765.2	-1068.4	-973.5	-90.4
5-14		8174.1	2562.5	-11618.2	1282.4	-1299.0	59.1
5-16		8854.0	2582.4	-11677.2	1107.4	-1289.5	49.8
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-348.3	0.0	391.9	763.0
5-14	si	7	Tz	-29.2	-48.7	0.0	89.3
5-16	si	5	Ty	221.4	0.0	-470.5	844.5
5-16	si	4	Si	287.8	0.0	468.7	861.2
----- PROGR. 23.							

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
5-12		7697.5	7505.3	-11647.4	1295.4	-1289.4	67.2
5-14		7533.5	7467.4	-11618.2	1280.8	-1299.0	56.0
5-16		8214.8	7515.1	-11677.2	1105.8	-1289.5	46.6
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si



5-12	si	4	Sx	653.0	0.0	467.5	1040.2
5-14	si	7	Tz	-24.5	-48.7	0.0	87.9
5-16	si	5	Ty	591.3	0.0	-470.4	1006.7
5-16	si	4	Si	652.9	0.0	468.7	1041.7

----- PROGR. 27.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
5-10			6940.2	12440.7	-11588.4	1468.8	-1298.9	73.4
5-14			7379.4	12451.1	-11618.2	1279.3	-1299.0	52.9
5-16			8064.1	12368.8	-11677.2	1104.3	-1289.5	43.5

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	4	Sx	1021.8	0.0	465.1	1301.2
5-14	si	7	Tz	-23.4	-48.7	0.0	87.5
5-16	si	5	Ty	955.3	0.0	-470.3	1255.4
5-14	si	4	Si	1021.2	0.0	466.3	1301.9

----- PROGR. 30.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
5-10			7098.3	17376.5	-11588.4	1467.3	-1298.9	70.3
5-14			7459.5	17387.6	-11618.2	1277.7	-1299.0	49.8
5-16			8149.4	17269.9	-11677.2	1102.7	-1289.5	40.4

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	4	Sx	1393.2	0.0	465.1	1609.3
5-14	si	7	Tz	-24.0	-48.7	0.0	87.7
5-16	si	5	Ty	1322.8	0.0	-470.2	1553.4
5-14	si	4	Si	1392.0	0.0	466.3	1609.3

VERIFI CA STABI LI TA` :

Z | LO = 30. | Ro = 5.77 | lm = 5.3 | Ncr= 29896287.9 | al fa(c )=0.4900 | ki=1.0000 |  
 Y | Lc = 30. | Ro = 0.58 | lm = 52.7 | Ncr= 298962.9 | al fa(c )=0.4900 | ki=0.7314 |  
 Caso 1- 1 - Nodo 1 - Asse Y  
 Ned = -1075.0 | Mzeq = 16167.6 | Myeq = -11758.1 | Ss = -1043.0 ( 0.309 )

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 295- 268) 297  
 ----- PROGR. 0.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
5-10			7119.3	10653.4	2170.7	1495.4	-1117.9	132.5
1- 1			13813.8	4347.6	8433.6	-923.9	-826.7	207.8

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	4	Sx	889.8	0.0	87.1	902.5
5-10	si	7	Tz	-16.0	-41.9	0.0	74.4
1- 1	si	5	Ty	303.0	0.0	-346.3	671.9

----- PROGR. 1.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
5-10			7299.5	12183.2	2170.7	1494.8	-1117.9	131.3
1- 1			14097.3	5479.9	8433.6	-924.7	-826.7	206.2

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	4	Sx	1005.9	0.0	87.1	1017.1
5-10	si	7	Tz	-17.4	-41.9	0.0	74.7
1- 1	si	5	Ty	387.9	0.0	-346.2	714.2

----- PROGR. 3.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
5-10			7478.1	13713.3	2170.7	1494.3	-1117.9	130.2
1- 1			14378.7	6612.2	8433.6	-925.5	-826.7	204.6

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	4	Sx	1121.9	0.0	87.1	1132.0
5-10	si	7	Tz	-18.7	-41.9	0.0	75.0
1- 1	si	5	Ty	472.8	0.0	-346.1	763.5

----- PROGR. 4.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
5-10			7655.3	15243.7	2170.7	1493.7	-1117.9	129.1
1- 1			14657.9	7744.5	8433.6	-926.3	-826.7	203.0

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	4	Sx	1238.0	0.0	87.1	1247.2
5-10	si	7	Tz	-20.1	-41.9	0.0	75.3
1- 1	si	5	Ty	557.7	0.0	-346.1	818.7

----- PROGR. 5.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
5-10			7831.0	16774.1	2170.7	1493.1	-1117.9	128.0
1- 1			14934.8	8876.8	8433.6	-927.1	-826.7	201.4

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	4	Sx	1354.1	0.0	87.1	1362.5
5-10	si	7	Tz	-21.4	-41.9	0.0	75.7
1- 1	si	5	Ty	642.6	0.0	-346.0	878.7

----- PROGR. 7.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
5-10			8005.1	18304.7	2170.7	1492.6	-1117.9	126.9
1- 1			15209.6	10009.1	8433.6	-927.9	-826.7	199.8

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	4	Sx	1470.2	0.0	87.1	1477.9
5-10	si	7	Tz	-22.7	-41.9	0.0	76.1
1- 1	si	5	Ty	727.5	0.0	-346.0	942.5

----- PROGR. 8.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
5-10			8177.8	19835.3	2170.7	1492.0	-1117.9	125.8
1- 1			15482.2	11141.4	8433.6	-928.7	-826.7	198.2

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	4	Sx	1586.3	0.0	87.1	1593.4
5-10	si	7	Tz	-24.0	-41.9	0.0	76.5
1- 1	si	5	Ty	812.4	0.0	-345.9	1009.4

----- PROGR. 10.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
5-10			8349.0	21366.0	2170.7	1491.5	-1117.9	124.6
1- 1			15752.6	12273.7	8433.6	-929.5	-826.7	196.6

TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massi	Sx	Tz	Ty	Si				
5-10	si	4	Sx	1702.4	0.0	87.1	1709.0				
5-10	si	7	Tz	-25.3	-41.9	0.0	76.9				
1-1	si	5	Ty	897.3	0.0	-345.8	1078.9				
----- PROGR. 11.											
SOLLECI TAZI ONI :											
Caso			MZ	MY	MT	N	TZ	TY			
5-10			8518.7	22896.8	2170.7	1490.9	-1117.9	123.5			
1-1			16020.8	13406.0	8433.6	-930.3	-826.7	195.0			
TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massi	Sx	Tz	Ty	Si				
5-10	si	4	Sx	1818.4	0.0	87.1	1824.7				
5-10	si	7	Tz	-26.6	-41.9	0.0	77.3				
1-1	si	5	Ty	982.2	0.0	-345.8	1150.4				
----- PROGR. 11.											
VERI F I C A S T A B I L I T A` :											
Z	LO =	11.	Ro =	5.77	Im =	1.9	Ncr=230194854.8	al fa(c )=	0.4900	ki=	1.0000
Y	Lc =	11.	Ro =	0.58	Im =	19.0	Ncr= 2301948.5	al fa(c )=	0.4900	ki=	0.9754
Caso 1- 1 - Nodo 2 - Asse Y											
Ned = -930.3   Mzeq = 16020.8   Myeq = 11539.8   Ss = -1009.8 ( 0.299)											
RETTANGOLARE_S003 ( 3) stato limite ultimo - ASTA ( 277- 299) 298											
----- PROGR. 0.											
SOLLECI TAZI ONI :											
Caso			MZ	MY	MT	N	TZ	TY			
5-10			37713.7	-27091.2	-13726.6	-2970.7	-1615.9	587.1			
1-1			52132.9	-16601.0	-22265.3	1636.1	-1332.5	750.3			
TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massi	Sx	Tz	Ty	Si				
5-10	si	1	Sx	-2389.0	0.0	550.9	2572.5				
5-10	si	7	Tz	-357.1	-60.6	0.0	372.2				
1-1	si	5	Ty	-1204.2	0.0	-921.7	1999.7				
----- PROGR. 3.											
SOLLECI TAZI ONI :											
Caso			MZ	MY	MT	N	TZ	TY			
5-10			39691.2	-21632.5	-13726.6	-2972.0	-1615.9	584.3			
1-1			54661.0	-12099.4	-22265.3	1634.1	-1332.5	746.3			
TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massi	Sx	Tz	Ty	Si				
5-10	si	1	Sx	-1994.4	0.0	550.9	2210.9				
5-10	si	7	Tz	-372.0	-60.6	0.0	386.5				
1-1	si	5	Ty	-866.6	0.0	-921.6	1816.3				
----- PROGR. 7.											
SOLLECI TAZI ONI :											
Caso			MZ	MY	MT	N	TZ	TY			
5-10			41659.4	-16174.1	-13726.6	-2973.4	-1615.9	581.6			
1-1			57175.8	-7597.8	-22265.3	1632.1	-1332.5	742.4			
TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massi	Sx	Tz	Ty	Si				
5-10	si	1	Sx	-1599.8	0.0	550.9	1862.8				
5-10	si	7	Tz	-386.8	-60.6	0.0	400.8				
1-1	si	5	Ty	-529.0	0.0	-921.4	1681.4				
1-1	si	3	Si	1039.5	0.0	893.6	1864.4				
----- PROGR. 10.											
SOLLECI TAZI ONI :											
Caso			MZ	MY	MT	N	TZ	TY			
5-10			43618.5	-10716.5	-13726.6	-2973.4	-1615.9	581.6			
1-1			57175.8	-7597.8	-22265.3	1632.1	-1332.5	742.4			
TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massi	Sx	Tz	Ty	Si				
5-10	si	1	Sx	-1205.2	0.0	550.9	1537.2				
5-10	si	7	Tz	-401.5	-60.6	0.0	415.0				
1-1	si	5	Ty	-191.5	0.0	-921.3	1607.2				
1-1	si	3	Si	720.6	0.0	893.6	1707.2				
----- PROGR. 14.											
SOLLECI TAZI ONI :											
Caso			MZ	MY	MT	N	TZ	TY			
5-10			45568.3	-5262.5	-13726.6	-2976.2	-1615.9	576.0			
1-1			62165.2	1405.4	-22265.3	1628.2	-1332.5	734.5			
TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massi	Sx	Tz	Ty	Si				
5-10	si	1	Sx	-810.9	0.0	550.9	1252.2				
5-10	si	7	Tz	-416.2	-60.6	0.0	429.2				
1-1	si	5	Ty	146.1	0.0	-921.1	1602.1				
1-1	si	4	Si	612.3	0.0	893.6	1664.5				
----- PROGR. 17.											
SOLLECI TAZI ONI :											
Caso			MZ	MY	MT	N	TZ	TY			
5-10			64639.9	5906.9	-22265.3	1626.2	-1332.5	730.5			
1-1			47508.9	213.8	-13726.6	-2977.6	-1615.9	573.3			
TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massi	Sx	Tz	Ty	Si				
5-10	si	4	Sx	968.5	0.0	893.6	1825.8				
5-10	si	7	Tz	-430.8	-60.6	0.0	443.4				
1-1	si	5	Ty	483.7	0.0	-921.0	1666.9				
----- PROGR. 20.											
SOLLECI TAZI ONI :											
Caso			MZ	MY	MT	N	TZ	TY			
5-10			67101.3	10408.5	-22265.3	1624.2	-1332.5	726.6			
1-1			49440.2	5669.6	-13726.6	-2978.9	-1615.9	570.5			
TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massi	Sx	Tz	Ty	Si				
5-10	si	4	Sx	1324.5	0.0	893.6	2037.1				
5-10	si	7	Tz	-445.3	-60.6	0.0	457.5				
1-1	si	5	Ty	821.2	0.0	-920.8	1794.0				
----- PROGR. 24.											
SOLLECI TAZI ONI :											
Caso			MZ	MY	MT	N	TZ	TY			
5-10			69549.3	14910.1	-22265.3	1622.3	-1332.5	722.6			
1-1			51362.3	11126.8	-13726.6	-2980.3	-1615.9	567.7			
TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massi	Sx	Tz	Ty	Si				
5-10	si	4	Sx	1680.4	0.0	893.6	2284.6				
5-10	si	7	Tz	-459.7	-60.6	0.0	471.6				
1-1	si	5	Ty	1158.8	0.0	-920.7	1971.3				
----- PROGR. 27.											
SOLLECI TAZI ONI :											
Caso			MZ	MY	MT	N	TZ	TY			
5-10			71983.9	19411.7	-22265.3	1620.3	-1332.5	718.7			
1-1			53275.0	16585.1	-13726.6	-2981.7	-1615.9	565.0			

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	4	Sx	2036.3	0.0	893.6	2557.7
5-10	si	7	Tz	-474.1	-60.6	0.0	485.6
1-1	si	5	Ty	1496.4	0.0	-920.5	2186.6

VERIFI CA STABI LI TA` :

Z | LO = 27. | Ro = 5.77 | Im = 4.7 | Ncr= 37831146.8 | al fa(c )=0.4900 | ki=1.0000 |  
 Y | Lc = 27. | Ro = 0.58 | Im = 46.8 | Ncr= 378311.5 | al fa(c )=0.4900 | ki=0.7779 |  
 Caso 5-10 - Nodo 1 - Asse Y  
 Ned = -2981.7 | Mzeq = 53275.0 | Myeq = -20318.4 | Ss = -2031.4 ( 0.601)

RETTANGOLARE\_S003 ( 3) stato limite ultimo - ASTA ( 299- 275) 299  
 0. PROGR.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	77671.7	-3917.5	24088.2	1571.2	-849.5	826.5
5-10	56002.6	2745.0	15366.7	-3013.3	-1352.2	599.7

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	3	Sx	915.6	0.0	966.8	1908.5
5-10	si	7	Tz	-495.4	-50.7	0.0	503.1
1-1	si	5	Ty	-254.5	0.0	-997.7	1746.8

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5-10	57075.6	5164.4	15366.7	-3014.1	-1352.2	598.3
1-1	79150.6	-2395.5	24088.2	1570.1	-849.5	824.4

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	2	Sx	-890.7	0.0	616.7	1390.9
5-10	si	7	Tz	-503.4	-50.7	0.0	511.0
1-1	si	5	Ty	-140.4	0.0	-997.7	1733.7
1-1	si	3	Si	812.5	0.0	966.8	1861.2

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5-10	58145.9	7585.6	15366.7	-3014.8	-1352.2	596.8
1-1	80625.6	-873.5	24088.2	1569.1	-849.5	822.3

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	2	Sx	-1080.4	0.0	616.7	1519.3
5-10	si	7	Tz	-511.5	-50.7	0.0	519.0
1-1	si	5	Ty	-26.3	0.0	-997.6	1728.1
1-1	si	3	Si	709.4	0.0	966.8	1818.5

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5-10	59213.7	10007.4	15366.7	-3015.5	-1352.2	595.3
1-1	82097.0	648.5	24088.2	1568.0	-849.5	820.2

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	2	Sx	-1270.0	0.0	616.7	1659.5
5-10	si	7	Tz	-519.5	-50.7	0.0	526.9
1-1	si	5	Ty	87.8	0.0	-997.5	1730.0
1-1	si	4	Si	703.6	0.0	966.8	1816.3

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5-10	60278.8	12429.5	15366.7	-3016.3	-1352.2	593.9
1-1	83564.5	2170.5	24088.2	1567.0	-849.5	818.1

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	2	Sx	-1459.7	0.0	616.7	1808.8
5-10	si	7	Tz	-527.5	-50.7	0.0	534.8
1-1	si	5	Ty	202.0	0.0	-997.4	1739.4
1-1	si	4	Si	828.7	0.0	966.8	1868.3

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5-10	61341.3	14851.8	15366.7	-3017.0	-1352.2	592.4
1-1	85028.3	3692.6	24088.2	1565.9	-849.5	816.0

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	2	Sx	-1649.4	0.0	616.7	1965.1
5-10	si	7	Tz	-535.5	-50.7	0.0	542.6
1-1	si	5	Ty	316.1	0.0	-997.4	1756.1

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5-10	62401.2	17274.1	15366.7	-3017.7	-1352.2	591.0
1-1	86488.4	5214.6	24088.2	1564.9	-849.5	813.9

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	2	Sx	-1839.0	0.0	616.7	2126.7
5-10	si	7	Tz	-543.5	-50.7	0.0	550.5
1-1	si	5	Ty	430.2	0.0	-997.3	1780.1

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5-10	63458.4	19696.5	15366.7	-3018.5	-1352.2	589.5
1-1	87944.7	6736.6	24088.2	1563.8	-849.5	811.8

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	2	Sx	-2028.6	0.0	616.7	2292.7
5-10	si	7	Tz	-551.4	-50.7	0.0	558.4
1-1	si	5	Ty	544.3	0.0	-997.2	1810.9

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5-10	64513.1	22118.9	15366.7	-3019.2	-1352.2	588.0
1-1	89397.2	8258.6	24088.2	1562.8	-849.5	809.7

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	2	Sx	-2218.2	0.0	616.7	2462.0
5-10	si	7	Tz	-559.3	-50.7	0.0	566.2
1-1	si	5	Ty	658.5	0.0	-997.1	1848.3

VERIFI CA STABI LI TA` :

Z | LO = 14. | Ro = 5.77 | Im = 2.5 | Ncr=134526347.8 | al fa(c) = 0.4900 | ki = 1.0000  
 Y | Lc = 14. | Ro = 0.58 | Im = 24.8 | Ncr= 1345263.4 | al fa(c) = 0.4900 | ki = 0.9364  
 Caso 5-10 - Nodo 2 - Asse Y  
 Ned = -3019.2 | Mzeq = 64513.1 | Myeq = 16589.2 | Ss = -1811.5 ( 0.536)

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 271- 297 ) 300  
 0. PROGR.

SOLLECI TAZI ONI :  
 Caso 5-10 MZ 72137.7 MY -20821.8 MT -12339.7 N -325.2 TZ -1248.1 TY -319.1  
 TENSIONI (Sz= 0.00) :  
 Caso 5-10 Ve No massi mi Sx Tz Ty Si  
 5-10 si 1 Sx Si -2110.8 0.0 495.2 2278.4  
 5-10 si 7 Tz Ty -549.2 -46.8 0.0 555.1  
 5-10 si 5 Ty -1569.8 0.0 507.2 1798.9  
 PROGR. 4.

SOLLECI TAZI ONI :  
 Caso 5-10 MZ 70925.5 MY -16080.4 MT -12339.7 N -326.8 TZ -1248.1 TY -322.2  
 TENSIONI (Sz= 0.00) :  
 Caso 5-10 Ve No massi mi Sx Tz Ty Si  
 5-10 si 1 Sx Si -1746.1 0.0 495.2 1945.5  
 5-10 si 7 Tz Ty -540.1 -46.8 0.0 546.2  
 5-10 si 5 Ty -1214.2 0.0 507.3 1498.8  
 PROGR. 8.

SOLLECI TAZI ONI :  
 Caso 5-10 MZ 69701.7 MY -11340.6 MT -12339.7 N -328.3 TZ -1248.1 TY -325.3  
 TENSIONI (Sz= 0.00) :  
 Caso 5-10 Ve No massi mi Sx Tz Ty Si  
 5-10 si 1 Sx Si -1381.5 0.0 495.2 1626.2  
 5-10 si 7 Tz Ty -531.0 -46.8 0.0 537.1  
 5-10 si 5 Ty -858.8 0.0 507.4 1228.8  
 PROGR. 11.

SOLLECI TAZI ONI :  
 Caso 5-10 MZ 68466.5 MY -6604.1 MT -12339.7 N -329.9 TZ -1248.1 TY -328.4  
 TENSIONI (Sz= 0.00) :  
 Caso 5-10 Ve No massi mi Sx Tz Ty Si  
 5-10 si 1 Sx Si -1017.1 0.0 495.2 1330.5  
 5-10 si 7 Tz Ty -521.7 -46.8 0.0 528.0  
 5-10 si 5 Ty -503.6 0.0 507.6 1013.1  
 PROGR. 15.

SOLLECI TAZI ONI :  
 Caso 1- 1 MZ 83375.9 MY 419.8 MT -11851.9 N 3108.7 TZ -934.8 TY -577.4  
 5-10 67219.7 MY -1873.0 MT -12339.7 N -331.4 TZ -1248.1 TY -331.5  
 TENSIONI (Sz= 0.00) :  
 Caso 1- 1 Ve No massi mi Sx Tz Ty Si  
 5-10 si 4 Sx Si 734.5 0.0 475.7 1103.8  
 5-10 si 7 Tz Ty -512.4 -46.8 0.0 518.8  
 5-10 si 5 Ty -148.8 0.0 507.7 891.8  
 PROGR. 19.

SOLLECI TAZI ONI :  
 Caso 1- 1 MZ 81173.3 MY 3972.2 MT -11851.9 N 3106.5 TZ -934.8 TY -581.8  
 5-10 65961.6 MY 2853.9 MT -12339.7 N -333.0 TZ -1248.1 TY -334.6  
 TENSIONI (Sz= 0.00) :  
 Caso 1- 1 Ve No massi mi Sx Tz Ty Si  
 5-10 si 4 Sx Si 984.4 0.0 475.7 1283.7  
 5-10 si 7 Tz Ty -503.0 -46.8 0.0 509.5  
 5-10 si 5 Ty 205.7 0.0 507.8 903.2  
 PROGR. 23.

SOLLECI TAZI ONI :  
 Caso 1- 1 MZ 78953.7 MY 7524.7 MT -11851.9 N 3104.2 TZ -934.8 TY -586.2  
 5-10 64691.9 MY 7652.1 MT -12339.7 N -334.5 TZ -1248.1 TY -337.7  
 TENSIONI (Sz= 0.00) :  
 Caso 1- 1 Ve No massi mi Sx Tz Ty Si  
 5-10 si 4 Sx Si 1234.1 0.0 475.7 1483.8  
 5-10 si 7 Tz Ty -493.6 -46.8 0.0 500.2  
 5-10 si 5 Ty 565.5 0.0 507.9 1045.8  
 PROGR. 27.

SOLLECI TAZI ONI :  
 Caso 1- 1 MZ 76717.3 MY 11077.1 MT -11851.9 N 3102.0 TZ -934.8 TY -590.7  
 5-10 63410.9 MY 12393.6 MT -12339.7 N -336.1 TZ -1248.1 TY -340.8  
 TENSIONI (Sz= 0.00) :  
 Caso 1- 1 Ve No massi mi Sx Tz Ty Si  
 5-10 si 4 Sx Si 1483.7 0.0 475.7 1697.1  
 5-10 si 7 Tz Ty -484.0 -46.8 0.0 490.7  
 5-10 si 5 Ty 921.1 0.0 508.0 1273.9  
 PROGR. 30.

SOLLECI TAZI ONI :  
 Caso 5-10 MZ 62118.5 MY 17135.9 MT -12339.7 N -337.6 TZ -1248.1 TY -344.0  
 TENSIONI (Sz= 0.00) :  
 Caso 5-10 Ve No massi mi Sx Tz Ty Si  
 5-10 si 2 Sx Si -1759.5 0.0 495.2 1957.5  
 5-10 si 7 Tz Ty -474.3 -46.8 0.0 481.2  
 5-10 si 5 Ty 1276.7 0.0 508.1 1550.7

VERI F I C A S T A B I L I T A` :

Z | LO = 30. | Ro = 5.77 | Im = 5.3 | Ncr= 29896287.9 | al fa(c) = 0.4900 | ki = 1.0000  
 Y | Lc = 30. | Ro = 0.58 | Im = 52.7 | Ncr= 298962.9 | al fa(c) = 0.4900 | ki = 0.7314  
 Caso 5-10 - Nodo 1 - Asse Y  
 Ned = -337.6 | Mzeq = 72137.7 | Myeq = -15616.3 | Ss = -1725.1 ( 0.510)

RETTANGOLARE\_S003 ( 3 ) stato limite ultimo - ASTA ( 297- 266 ) 301  
 0. PROGR.

SOLLECI TAZI ONI :  
 Caso 5-10 MZ 65517.3 MY 10171.0 MT 2332.9 N -526.5 TZ -1044.3 TY -610.7  
 1- 1 81009.4 MY 2794.8 MT 11233.7 N 2912.7 TZ -638.1 TY -742.2  
 TENSIONI (Sz= 0.00) :  
 Caso 5-10 Ve No massi mi Sx Tz Ty Si  
 5-10 si 2 Sx Si -1267.4 0.0 93.6 1277.7  
 5-10 si 7 Tz Ty -504.5 -39.2 0.0 509.1  
 1- 1 si 5 Ty 282.4 0.0 478.7 875.9  
 PROGR. 1.

SOLLECCI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
5-10		64700.5	11600.9	2332.9	-527.0	-1044.3	-611.8
1-1		79991.9	3668.8	11233.7	2911.9	-638.1	-743.8
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	2	Sx	Si	-1368.5	0.0	93.6
5-10	si	7	Tz		-498.4	-39.2	0.0
1-1	si	5	Ty		348.0	0.0	478.7
----- PROGR. 3.							
SOLLECCI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
5-10		63882.3	13030.9	2332.9	-527.6	-1044.3	-612.9
1-1		78972.1	4542.7	11233.7	2911.1	-638.1	-745.4
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	2	Sx	Si	-1469.6	0.0	93.6
5-10	si	7	Tz		-492.3	-39.2	0.0
1-1	si	5	Ty		413.5	0.0	478.8
----- PROGR. 4.							
SOLLECCI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
5-10		63062.8	14460.9	2332.9	-528.1	-1044.3	-614.0
1-1		77950.2	5416.7	11233.7	2910.3	-638.1	-747.0
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	2	Sx	Si	-1570.7	0.0	93.6
5-10	si	7	Tz		-486.2	-39.2	0.0
1-1	si	5	Ty		479.0	0.0	478.9
----- PROGR. 5.							
SOLLECCI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
5-10		62242.0	15891.0	2332.9	-528.7	-1044.3	-615.2
1-1		76926.1	6290.6	11233.7	2909.5	-638.1	-748.6
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	2	Sx	Si	-1671.9	0.0	93.6
5-10	si	7	Tz		-480.0	-39.2	0.0
1-1	si	5	Ty		544.5	0.0	478.9
----- PROGR. 7.							
SOLLECCI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
5-10		61419.9	17321.1	2332.9	-529.3	-1044.3	-616.3
1-1		75899.8	7164.6	11233.7	2908.7	-638.1	-750.2
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	2	Sx	Si	-1773.0	0.0	93.6
5-10	si	7	Tz		-473.9	-39.2	0.0
1-1	si	5	Ty		610.1	0.0	479.0
----- PROGR. 8.							
SOLLECCI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
5-10		60596.5	18751.2	2332.9	-529.8	-1044.3	-617.4
1-1		74871.3	8038.5	11233.7	2907.9	-638.1	-751.8
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	2	Sx	Si	-1874.1	0.0	93.6
5-10	si	7	Tz		-467.7	-39.2	0.0
1-1	si	5	Ty		675.6	0.0	479.0
----- PROGR. 10.							
SOLLECCI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
5-10		59771.9	20181.3	2332.9	-530.4	-1044.3	-618.5
1-1		73840.6	8912.5	11233.7	2907.1	-638.1	-753.4
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	2	Sx	Si	-1975.1	0.0	93.6
5-10	si	7	Tz		-461.5	-39.2	0.0
1-1	si	5	Ty		741.1	0.0	479.1
----- PROGR. 11.							
SOLLECCI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
5-10		58946.0	21611.5	2332.9	-530.9	-1044.3	-619.6
1-1		72807.6	9786.4	11233.7	2906.3	-638.1	-755.0
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	2	Sx	Si	-2076.2	0.0	93.6
5-10	si	7	Tz		-455.4	-39.2	0.0
1-1	si	5	Ty		806.6	0.0	479.2
----- PROGR. 16.							
SOLLECCI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1-1		18965.9	173.7	-565.9	-228.2	2.1	-180.5
4-1		12460.3	562.6	107.9	-189.0	8.1	-78.8
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	Si	-578.1	0.0	68.5
4-1	si	7	Tz		-356.6	0.0	0.0
1-1	si	5	Ty		25.9	0.0	83.5
----- PROGR. 32.							
SOLLECCI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1-1		16123.8	140.4	-565.9	-225.3	2.1	-180.5
4-1		11219.0	435.4	107.9	-186.8	8.1	-78.8
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	Si	-491.6	0.0	68.5
4-1	si	7	Tz		-322.0	0.0	0.0
1-1	si	5	Ty		18.7	0.0	83.5
----- PROGR. 32.							
SOLLECCI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1-1		13281.6	107.1	-565.9	-222.4	2.1	-180.5

VERI F I CA STABI LI TA` :

Z | LO = 11. | Ro = 5.77 | Im = 1.9 | Ncr=230194854.8 | al fa(c )=0.4900 | ki=1.0000  
 Y | Lc = 11. | Ro = 0.58 | Im = 19.0 | Ncr= 2301948.5 | al fa(c )=0.4900 | ki=0.9754  
 Caso 5-10 - Nodo 2 - Asse Y  
 Ned = -530.9 | Mzeq = 65517.3 | Myeq = 20658.4 | Ss = -2054.7 ( 0.608)

RETTANGOLARE\_S004 ( 4) stato limite ultimo - ASTA ( 2- 31) 39  
 ----- PROGR. 0.

SOLLECCI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1-1		18965.9	173.7	-565.9	-228.2	2.1	-180.5
4-1		12460.3	562.6	107.9	-189.0	8.1	-78.8
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	Si	-578.1	0.0	68.5
4-1	si	7	Tz		-356.6	0.0	0.0
1-1	si	5	Ty		25.9	0.0	83.5
----- PROGR. 16.							

SOLLECCI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1-1		16123.8	140.4	-565.9	-225.3	2.1	-180.5
4-1		11219.0	435.4	107.9	-186.8	8.1	-78.8
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	Si	-491.6	0.0	68.5
4-1	si	7	Tz		-322.0	0.0	0.0
1-1	si	5	Ty		18.7	0.0	83.5
----- PROGR. 32.							

SOLLECCI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1-1		13281.6	107.1	-565.9	-222.4	2.1	-180.5

4-1	9977.7	308.3	107.9	-184.6	8.1	-78.8
TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
1-1	si	2	Sx	Si	-405.1	0.0
4-1	si	7	Tz	Ty	-287.4	0.0
1-1	si	5	Ty	Si	11.4	0.0

PROGR. 47.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
1-1	10439.5	73.8	-565.9	-219.5	2.1	-180.5
4-1	8736.3	181.3	107.9	-182.4	8.1	-78.8

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
1-1	si	2	Sx	Si	-318.6	0.0
4-1	si	7	Tz	Ty	-252.8	0.0
1-1	si	5	Ty	Si	4.2	0.0

PROGR. 63.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
5-5	8176.1	47.7	166.8	-160.9	4.8	-80.6
4-1	7494.7	55.2	107.9	-180.1	8.1	-78.8
1-1	7597.4	40.5	-565.9	-216.6	2.1	-180.5

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
5-5	si	2	Sx	Si	-246.7	0.0
4-1	si	7	Tz	Ty	-218.2	0.0
1-1	si	5	Ty	Si	-3.0	0.0
1-1	si	2	Si	Ty	-232.1	0.0

PROGR. 79.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
5-1	6882.7	-83.3	168.0	-156.2	7.6	-80.4
4-1	6252.6	-74.8	107.9	-177.9	8.1	-78.8
1-1	4755.2	7.2	-565.9	-213.7	2.1	-180.5

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
5-1	si	1	Sx	Si	-218.4	0.0
4-1	si	7	Tz	Ty	-183.6	0.0
1-1	si	5	Ty	Si	-10.3	0.0

PROGR. 94.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
5-1	5615.2	-201.7	168.0	-154.0	7.6	-80.4
4-1	5009.6	-201.3	107.9	-175.7	8.1	-78.8
1-1	1913.1	-26.1	-565.9	-210.8	2.1	-180.5

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
5-1	si	1	Sx	Si	-209.4	0.0
4-1	si	7	Tz	Ty	-148.9	0.0
1-1	si	5	Ty	Si	-17.5	0.0

PROGR. 110.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
5-1	4361.8	-321.7	168.0	-151.8	7.6	-80.4
4-1	3813.2	-328.4	107.9	-173.5	8.1	-78.8
1-1	-929.1	-59.4	-565.9	-207.9	2.1	-180.5
5-10	-5311.9	-151.5	-605.8	-96.1	3.4	-59.8

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
5-1	si	1	Sx	Si	-201.1	0.0
4-1	si	7	Tz	Ty	-115.6	0.0
1-1	si	5	Ty	Si	-24.7	0.0
5-10	si	4	Si	Ty	-186.6	0.0

PROGR. 126.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
4-7	-5682.5	-296.3	-535.9	-121.8	5.0	-59.9
4-1	2549.9	-455.5	107.9	-171.2	8.1	-78.8
1-1	-3771.2	-92.7	-565.9	-205.1	2.1	-180.5
5-10	-6259.9	-205.0	-605.8	-93.9	3.4	-59.8

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
4-7	si	4	Sx	Si	-230.5	0.0
4-1	si	7	Tz	Ty	-80.3	0.0
1-1	si	5	Ty	Si	-32.0	0.0
5-10	si	4	Si	Ty	-224.7	0.0

VERI F I C A S T A B I L I T A` :

Z | L0 = 126. | Ro = 3.46 | Im = 36.4 | Ncr= 281988.7 | al fa(c) = 0.4900 | ki = 0.8563  
 Y | Lc = 126. | Ro = 0.43 | Im = 291.0 | Ncr= 4406.1 | al fa(c) = 0.4900 | ki = 0.0610  
 Caso 4-1 - Nodo 2 - Asse Y  
 Ned = -189.0 | Mzeq = 9753.2 | Myeq = 421.9 | Ss = -541.2 ( 0.160)

ATTENZIONE : la snellezza supera il limite di 250.0  
 RETTANGOLARE\_S004 ( 4 ) stato limite ultimo - ASTA ( 32- 33) 40  
 PROGR. 0.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
1-1	19010.7	-584.6	-1077.2	479.2	-9.2	-184.2

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
1-1	si	3	Sx	Si	684.6	0.0
1-1	si	7	Tz	Ty	-501.5	-0.8
1-1	si	5	Ty	Si	-103.3	0.0

PROGR. 16.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
1-1	16108.9	-440.5	-1077.2	482.1	-9.2	-184.2

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
1-1	si	3	Sx	Si	572.1	0.0
1-1	si	7	Tz	Ty	-420.7	-0.8
1-1	si	5	Ty	Si	-71.1	0.0

PROGR. 32.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
1-1	13207.2	-296.3	-1077.2	485.0	-9.2	-184.2

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
1-1	si	3	Sx	Si	459.7	0.0
1-1	si	7	Tz	Ty	-339.9	-0.8

1-1	si	5	Ty	-38.9	0.0	145.8	255.4	47.
SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			10305.5	-152.2	-1077.2	487.8	-9.2	-184.2
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	347.2	0.0	130.4	414.2	
1-1	si	7	Tz	-259.2	-0.8	0.0	259.2	
1-1	si	5	Ty	-6.7	0.0	145.8	252.5	
PROGR. 63.								
SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			7403.8	-8.0	-1077.2	490.7	-9.2	-184.2
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	234.7	0.0	130.4	325.7	
1-1	si	7	Tz	-178.4	-0.8	0.0	178.4	
1-1	si	5	Ty	25.5	0.0	145.8	253.7	
PROGR. 79.								
SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			4502.1	136.1	-1077.2	493.6	-9.2	-184.2
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	182.7	0.0	130.4	290.5	
1-1	si	7	Tz	-97.6	-0.8	0.0	97.6	
1-1	si	5	Ty	57.7	0.0	145.8	259.0	
PROGR. 95.								
SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			1600.4	280.3	-1077.2	496.5	-9.2	-184.2
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	134.3	0.0	130.4	262.8	
1-1	si	7	Tz	-16.9	-0.8	0.0	16.9	
1-1	si	5	Ty	89.9	0.0	145.8	268.0	
PROGR. 110.								
SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			-1301.3	424.5	-1077.2	499.4	-9.2	-184.2
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	158.2	0.0	130.4	275.8	
1-1	si	7	Tz	63.9	-0.8	0.0	63.9	
1-1	si	5	Ty	122.1	0.0	145.8	280.4	
PROGR. 126.								
SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			-4203.0	568.6	-1077.2	502.3	-9.2	-184.2
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	271.0	0.0	130.4	352.8	
1-1	si	7	Tz	144.7	-0.8	0.0	144.7	
1-1	si	5	Ty	154.3	0.0	145.8	295.9	
ATTENZIONE : la snellezza supera il limite di 250.0								
-----								
VERIFICA STABILITA' : asta tesa per tutti i casi di carico.								
RETTANGOLARE_S004 ( 4 ) stato limite ultimo - ASTA ( 9- 34 ) 41								
PROGR. 0.								
SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			19191.9	-4277.6	-592.5	109.5	-68.5	-180.6
5-14			2891.2	-2080.9	-695.9	-6.9	-33.5	-77.2
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	1489.8	0.0	71.7	1494.9	
1-1	si	7	Tz	-527.0	-5.7	0.0	527.1	
5-14	si	5	Ty	-462.8	0.0	90.7	488.7	
PROGR. 16.								
SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			16348.0	-3198.7	-592.5	112.4	-68.5	-180.6
5-14			1681.8	-1554.0	-695.9	-4.7	-33.5	-77.2
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	1171.2	0.0	71.7	1177.7	
1-1	si	7	Tz	-447.9	-5.7	0.0	448.0	
5-14	si	5	Ty	-345.6	0.0	90.7	379.6	
PROGR. 32.								
SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			13504.1	-2119.8	-592.5	115.3	-68.5	-180.6
5-14			472.5	-1027.3	-695.9	-2.5	-33.5	-77.2
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	852.6	0.0	71.7	861.6	
1-1	si	7	Tz	-368.7	-5.7	0.0	368.8	
5-14	si	5	Ty	-228.4	0.0	90.7	277.2	
PROGR. 47.								
SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			10660.2	-1040.8	-592.5	118.2	-68.5	-180.6
5-14			-736.7	-501.4	-695.9	-0.2	-33.5	-77.2
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	534.0	0.0	71.7	548.2	
1-1	si	7	Tz	-289.6	-5.7	0.0	289.7	
5-14	si	5	Ty	-111.4	0.0	90.7	192.6	
PROGR. 63.								
SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
5-5			8964.9	4.2	214.0	48.0	-28.2	-74.3
1-1			7816.3	38.1	-592.5	121.1	-68.5	-180.6
5-14			-1945.9	37.7	-695.9	2.0	-33.5	-77.2
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi	Sx	Tz	Ty	Si	
5-5	si	4	Sx	252.6	0.0	25.9	256.6	
1-1	si	7	Tz	-210.4	-5.7	0.0	210.6	
5-14	si	5	Ty	8.5	0.0	90.7	157.3	
1-1	si	4	Si	232.3	0.0	71.7	263.4	
PROGR. 79.								

SOLLECI TAZI ONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	4972. 4	1117. 1	-592. 5	124. 0	-68. 5	-180. 6			
5-14	-3154. 9	556. 3	-695. 9	4. 2	-33. 5	-77. 2			
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx	393. 2	0. 0	71. 7	412. 4		
1- 1	si	7	Tz	-131. 2	-5. 7	0. 0	131. 6		
5-14	si	5	Ty	123. 9	0. 0	90. 7	200. 0		
							PROGR.	94.	
SOLLECI TAZI ONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	2128. 5	2196. 0	-592. 5	126. 8	-68. 5	-180. 6			
5-14	-4363. 4	1082. 6	-695. 9	6. 4	-33. 5	-77. 2			
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx	554. 2	0. 0	71. 7	567. 9		
1- 1	si	7	Tz	-52. 1	-5. 7	0. 0	53. 0		
5-14	si	5	Ty	240. 9	0. 0	90. 7	287. 6		
							PROGR.	110.	
SOLLECI TAZI ONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	-715. 4	3274. 9	-592. 5	129. 7	-68. 5	-180. 6			
5-14	-5571. 1	1609. 3	-695. 9	8. 7	-33. 5	-77. 2			
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	754. 8	0. 0	71. 7	765. 0		
1- 1	si	7	Tz	27. 1	-5. 7	0. 0	28. 8		
5-14	si	5	Ty	358. 1	0. 0	90. 7	391. 0		
							PROGR.	126.	
SOLLECI TAZI ONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	-3559. 3	4353. 9	-592. 5	132. 6	-68. 5	-180. 6			
5-14	-6776. 5	2136. 2	-695. 9	10. 9	-33. 5	-77. 2			
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	1073. 8	0. 0	71. 7	1080. 9		
1- 1	si	7	Tz	106. 2	-5. 7	0. 0	106. 7		
5-14	si	5	Ty	475. 3	0. 0	90. 7	500. 6		
							PROGR.		
VERI F I CA STABI LI TA` :									
Z	LO = 126.	Ro = 3. 46	Im = 36. 4	Ncr= 281988. 7	al fa(c) =0. 4900	ki=0. 8563			
Y	Lc = 126.	Ro = 0. 43	Im = 291. 0	Ncr= 4406. 1	al fa(c) =0. 4900	ki=0. 0610			
Caso 4- 6	- Nod 2 - Asse Y								
Ned =	-13. 7	Mzeq = 5461. 9	Myeq = 2007. 5	Ss = -611. 7	( 0. 181)				
ATTENZIONE : la snellezza supera il limite di 250.0									
RETTANGOLARE_S004 ( 4) stato limite ultimo - ASTA ( 35- 36) 42									
							PROGR.	0.	
SOLLECI TAZI ONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	23256. 3	-4651. 3	-966. 8	-7. 7	-72. 6	-274. 9			
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	-1680. 1	0. 0	117. 0	1692. 2		
1- 1	si	7	Tz	-646. 4	-6. 0	0. 0	646. 5		
1- 1	si	5	Ty	-1034. 0	0. 0	139. 9	1062. 1		
							PROGR.	16.	
SOLLECI TAZI ONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	18926. 7	-3508. 4	-966. 8	-4. 9	-72. 6	-274. 9			
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	-1305. 7	0. 0	117. 0	1321. 3		
1- 1	si	7	Tz	-526. 0	-6. 0	0. 0	526. 1		
1- 1	si	5	Ty	-779. 9	0. 0	139. 9	816. 7		
							PROGR.	32.	
SOLLECI TAZI ONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	14597. 1	-2365. 5	-966. 8	-2. 0	-72. 6	-274. 9			
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	-931. 3	0. 0	117. 0	953. 1		
1- 1	si	7	Tz	-405. 6	-6. 0	0. 0	405. 7		
1- 1	si	5	Ty	-525. 8	0. 0	139. 9	579. 0		
							PROGR.	47.	
SOLLECI TAZI ONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	10267. 5	-1222. 6	-966. 8	0. 9	-72. 6	-274. 9			
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	3	Sx	557. 0	0. 0	117. 0	592. 7		
1- 1	si	7	Tz	-285. 2	-6. 0	0. 0	285. 3		
1- 1	si	5	Ty	-271. 6	0. 0	139. 9	364. 1		
							PROGR.	63.	
SOLLECI TAZI ONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	5937. 9	-79. 8	-966. 8	3. 8	-72. 6	-274. 9			
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	3	Sx	182. 9	0. 0	117. 0	273. 0		
1- 1	si	7	Tz	-164. 7	-6. 0	0. 0	165. 1		
1- 1	si	5	Ty	-17. 5	0. 0	139. 9	243. 0		
							PROGR.	79.	
SOLLECI TAZI ONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	1608. 3	1063. 1	-966. 8	6. 7	-72. 6	-274. 9			
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx	281. 3	0. 0	117. 0	346. 7		
1- 1	si	7	Tz	-44. 3	-6. 0	0. 0	45. 5		
1- 1	si	5	Ty	236. 6	0. 0	139. 9	338. 7		
							PROGR.	95.	
SOLLECI TAZI ONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	-2721. 3	2206. 0	-966. 8	9. 6	-72. 6	-274. 9			
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	566. 3	0. 0	117. 0	601. 5		
1- 1	si	7	Tz	76. 1	-6. 0	0. 0	76. 8		
1- 1	si	5	Ty	490. 8	0. 0	139. 9	547. 3		



----- PROGR. 110.

SOLLECI TAZI ONI		: MZ		MY	MT	N	TZ	TY
Caso	1-1		-7050.9	3348.9	-966.8	12.5	-72.6	-274.9
TENSIONI (Sz=0.00)		: Sx		Tz	Ty	Si		
Caso	1-1	si	1	196.6	0.0	117.0	962.3	196.8
	1-1	si	7	744.9	0.0	139.9	783.3	
	1-1	si	5					

----- PROGR. 126.

SOLLECI TAZI ONI		: MZ		MY	MT	N	TZ	TY
Caso	1-1		-11380.5	4491.7	-966.8	15.4	-72.6	-274.9
TENSIONI (Sz=0.00)		: Sx		Tz	Ty	Si		
Caso	1-1	si	1	1315.1	0.0	117.0	1330.7	
	1-1	si	7	317.0	-6.0	0.0	317.2	
	1-1	si	5	999.0	0.0	139.9	1028.0	

----- VERIFICA STABILITA' :

Z | LO = 126. | Ro = 3.46 | Im = 36.4 | Ncr = 281988.7 | al fa(c) = 0.4900 | ki = 0.8563  
 Y | Lc = 126. | Ro = 0.43 | Im = 291.0 | Ncr = 4406.1 | al fa(c) = 0.4900 | ki = 0.0610  
 Caso 4-2 - Nodo 1 - Asse Y  
 Ned = -19.2 | Mzeq = 10665.7 | Myeq = -2107.6 | Ss = -784.2 ( 0.232)

ATTENZIONE : la snellezza supera il limite di 250.0  
 RETTANGOLARE\_S004 ( 4 ) stato limite ultimo - ASTA ( 44- 43) 44  
 0.

SOLLECI TAZI ONI		: MZ		MY	MT	N	TZ	TY
Caso	1-1		-31267.9	-1092.2	379.4	285.0	-17.4	243.4
TENSIONI (Sz=0.00)		: Sx		Tz	Ty	Si		
Caso	1-1	si	2	1127.1	0.0	45.9	1129.9	
	1-1	si	7	884.4	-1.4	0.0	884.4	
	1-1	si	5	-226.9	0.0	-66.2	254.2	

----- PROGR. 16.

SOLLECI TAZI ONI		: MZ		MY	MT	N	TZ	TY
Caso	1-1		-27434.0	-818.4	379.4	287.9	-17.4	243.4
TENSIONI (Sz=0.00)		: Sx		Tz	Ty	Si		
Caso	1-1	si	2	959.9	0.0	45.9	963.2	
	1-1	si	7	778.0	-1.4	0.0	778.1	
	1-1	si	5	-165.9	0.0	-66.2	201.7	

----- PROGR. 32.

SOLLECI TAZI ONI		: MZ		MY	MT	N	TZ	TY
Caso	1-1		-23600.0	-544.6	379.4	290.7	-17.4	243.4
TENSIONI (Sz=0.00)		: Sx		Tz	Ty	Si		
Caso	1-1	si	2	792.7	0.0	45.9	796.7	
	1-1	si	7	671.7	-1.4	0.0	671.7	
	1-1	si	5	-104.9	0.0	-66.2	155.4	

----- PROGR. 47.

SOLLECI TAZI ONI		: MZ		MY	MT	N	TZ	TY
Caso	1-1		-19766.1	-270.8	379.4	293.6	-17.4	243.4
TENSIONI (Sz=0.00)		: Sx		Tz	Ty	Si		
Caso	1-1	si	2	625.6	0.0	45.9	630.6	
	1-1	si	7	565.4	-1.4	0.0	565.4	
	1-1	si	5	-43.9	0.0	-66.2	122.8	

----- PROGR. 63.

SOLLECI TAZI ONI		: MZ		MY	MT	N	TZ	TY
Caso	1-1		-15932.1	2.9	379.4	296.5	-17.4	243.4
TENSIONI (Sz=0.00)		: Sx		Tz	Ty	Si		
Caso	1-1	si	1	459.7	0.0	45.9	466.5	
	1-1	si	7	459.0	-1.4	0.0	459.0	
	1-1	si	5	17.1	0.0	-66.2	116.0	

----- PROGR. 79.

SOLLECI TAZI ONI		: MZ		MY	MT	N	TZ	TY
Caso	1-1		-12098.2	276.7	379.4	299.4	-17.4	243.4
TENSIONI (Sz=0.00)		: Sx		Tz	Ty	Si		
Caso	1-1	si	1	414.2	0.0	45.9	421.8	
	1-1	si	7	352.7	-1.4	0.0	352.7	
	1-1	si	5	78.1	0.0	-66.2	138.8	

----- PROGR. 94.

SOLLECI TAZI ONI		: MZ		MY	MT	N	TZ	TY
Caso	1-1		-8264.2	550.5	379.4	302.3	-17.4	243.4
TENSIONI (Sz=0.00)		: Sx		Tz	Ty	Si		
Caso	1-1	si	1	368.7	0.0	45.9	377.2	
	1-1	si	7	246.4	-1.4	0.0	246.4	
	1-1	si	5	139.1	0.0	-66.2	180.3	

----- PROGR. 110.

SOLLECI TAZI ONI		: MZ		MY	MT	N	TZ	TY
Caso	1-1		-4430.3	824.3	379.4	305.2	-17.4	243.4
TENSIONI (Sz=0.00)		: Sx		Tz	Ty	Si		
Caso	1-1	si	1	323.2	0.0	45.9	332.8	
	1-1	si	7	140.0	-1.4	0.0	140.0	
	1-1	si	5	200.1	0.0	-66.2	230.7	

----- PROGR. 126.

SOLLECI TAZI ONI		: MZ		MY	MT	N	TZ	TY
Caso	1-1		-596.3	1098.1	379.4	308.1	-17.4	243.4
TENSIONI (Sz=0.00)		: Sx		Tz	Ty	Si		
Caso	1-1	si	1	277.7	0.0	45.9	288.9	
	1-1	si	7	33.7	-1.4	0.0	33.8	
	1-1	si	5	261.1	0.0	-66.2	285.2	

ATTENZIONE : la snellezza supera il limite di 250.0

VERIFICA STABILITÀ : asta tesa per tutti i casi di carico.

RETTANGOLARE\_S004 ( 4) stato limite ultimo - ASTA ( 45- 46) 45  
PROGR. 0.

SOLLECI TAZI ONI		MZ		MY	MT	N	TZ	TY
Caso	1- 1		-46492.6	-19.6	-1163.3	465.5	-0.2	487.9
	4- 2		-19537.9	415.0	-484.8	239.2	6.6	194.7
TENSIONI (Sz= 0.00) :		Ve	No	massi mi	Sx	Tz	Ty	Si
Caso	1- 1	si	2	Sx	1321.7	0.0	140.8	1344.0
	4- 2	si	7	Tz	556.0	0.6	0.0	556.0
	1- 1	si	5	Ty	21.5	0.0	-181.5	315.1

SOLLECI TAZI ONI		MZ		MY	MT	N	TZ	TY
Caso	1- 1		-38807.5	-16.7	-1163.3	468.4	-0.2	487.9
	4- 2		-16361.6	310.4	-484.8	241.4	6.6	194.7
TENSIONI (Sz= 0.00) :		Ve	No	massi mi	Sx	Tz	Ty	Si
Caso	1- 1	si	2	Sx	1107.7	0.0	140.8	1134.2
	4- 2	si	7	Tz	467.9	0.6	0.0	467.9
	1- 1	si	5	Ty	22.3	0.0	-181.5	315.1

SOLLECI TAZI ONI		MZ		MY	MT	N	TZ	TY
Caso	1- 1		-31122.3	-13.8	-1163.3	471.3	-0.2	487.9
	4- 2		-13206.6	205.8	-484.8	243.7	6.6	194.7
TENSIONI (Sz= 0.00) :		Ve	No	massi mi	Sx	Tz	Ty	Si
Caso	1- 1	si	2	Sx	893.7	0.0	140.8	926.4
	4- 2	si	7	Tz	380.4	0.6	0.0	380.4
	1- 1	si	5	Ty	23.1	0.0	-181.5	315.2

SOLLECI TAZI ONI		MZ		MY	MT	N	TZ	TY
Caso	1- 1		-23437.2	-10.9	-1163.3	474.2	-0.2	487.9
	4- 2		-10076.7	101.2	-484.8	245.9	6.6	194.7
TENSIONI (Sz= 0.00) :		Ve	No	massi mi	Sx	Tz	Ty	Si
Caso	1- 1	si	2	Sx	679.8	0.0	140.8	722.2
	4- 2	si	7	Tz	293.6	0.6	0.0	293.6
	1- 1	si	5	Ty	23.9	0.0	-181.5	315.2

SOLLECI TAZI ONI		MZ		MY	MT	N	TZ	TY
Caso	1- 1		-15752.0	-8.0	-1163.3	477.1	-0.2	487.9
	4- 2		-6970.4	-3.6	-484.8	248.1	6.6	194.7
TENSIONI (Sz= 0.00) :		Ve	No	massi mi	Sx	Tz	Ty	Si
Caso	1- 1	si	2	Sx	465.8	0.0	140.8	525.8
	4- 2	si	7	Tz	207.4	0.6	0.0	207.4
	1- 1	si	5	Ty	24.7	0.0	-181.5	315.3

SOLLECI TAZI ONI		MZ		MY	MT	N	TZ	TY
Caso	1- 1		-8066.9	-5.1	-1163.3	479.9	-0.2	487.9
	4- 2		-3882.2	-108.0	-484.8	250.3	6.6	194.7
TENSIONI (Sz= 0.00) :		Ve	No	massi mi	Sx	Tz	Ty	Si
Caso	1- 1	si	2	Sx	251.9	0.0	140.8	350.6
	4- 2	si	7	Tz	121.7	0.6	0.0	121.8
	1- 1	si	5	Ty	25.5	0.0	-181.5	315.4

SOLLECI TAZI ONI		MZ		MY	MT	N	TZ	TY
Caso	4- 2		-807.1	-212.6	-484.8	252.6	6.6	194.7
	1- 1		-381.7	-2.1	-1163.3	482.8	-0.2	487.9
TENSIONI (Sz= 0.00) :		Ve	No	massi mi	Sx	Tz	Ty	Si
Caso	4- 2	si	2	Sx	83.7	0.0	58.7	131.7
	4- 2	si	7	Tz	36.5	0.6	0.0	36.5
	1- 1	si	5	Ty	26.3	0.0	-181.5	315.4
	1- 1	si	6	Si	27.3	0.0	-181.5	315.5

SOLLECI TAZI ONI		MZ		MY	MT	N	TZ	TY
Caso	1- 1		7303.4	0.8	-1163.3	485.7	-0.2	487.9
	4- 2		2432.3	-317.2	-484.8	254.8	6.6	194.7
TENSIONI (Sz= 0.00) :		Ve	No	massi mi	Sx	Tz	Ty	Si
Caso	1- 1	si	4	Sx	230.0	0.0	140.8	335.3
	4- 2	si	7	Tz	-53.4	0.6	0.0	53.4
	1- 1	si	5	Ty	27.2	0.0	-181.5	315.5

SOLLECI TAZI ONI		MZ		MY	MT	N	TZ	TY
Caso	1- 1		14988.6	3.7	-1163.3	488.6	-0.2	487.9
	4- 2		5496.3	-421.7	-484.8	257.0	6.6	194.7
TENSIONI (Sz= 0.00) :		Ve	No	massi mi	Sx	Tz	Ty	Si
Caso	1- 1	si	4	Sx	444.3	0.0	140.8	506.9
	4- 2	si	7	Tz	-138.4	0.6	0.0	138.4
	1- 1	si	5	Ty	28.0	0.0	-181.5	315.6

ATTENZIONE : la snellezza supera il limite di 250.0

VERIFICA STABILITÀ : asta tesa per tutti i casi di carico.

RETTANGOLARE\_S004 ( 4) stato limite ultimo - ASTA ( 47- 48) 46  
PROGR. 0.

SOLLECI TAZI ONI		MZ		MY	MT	N	TZ	TY
Caso	1- 1		-25803.0	-2431.4	-624.0	-450.3	-37.2	291.8
	4- 8		-6629.4	-457.7	-715.4	-308.2	-6.4	171.9
TENSIONI (Sz= 0.00) :		Ve	No	massi mi	Sx	Tz	Ty	Si
Caso	1- 1	si	4	Sx	-1282.1	0.0	75.5	1288.7
	1- 1	si	7	Tz	691.7	-3.1	0.0	691.8
	4- 8	si	5	Ty	-118.8	0.0	-100.9	211.4

SOLLECI TAZI ONI		MZ		MY	MT	N	TZ	TY
Caso	1- 1		-21207.8	-1845.7	-624.0	-447.4	-37.2	291.8

4-8			-5908.8	-357.5	-715.4	-306.0	-6.4	171.9
TENSIONI (Sz=0.00) :								
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si
1-1	si	4	Sx	Si	-1024.1	0.0	75.5	1032.5
1-1	si	7	Tz		564.2	-3.1	0.0	564.3
4-8	si	5	Ty		-96.4	0.0	-100.9	199.6

PROGR.

32.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			-16612.6	-1260.1	-624.0	-444.5	-37.2	291.8
4-8			-5166.2	-257.3	-715.4	-303.8	-6.4	171.9

TENSIONI (Sz=0.00) :								
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si
1-1	si	4	Sx	Si	-766.2	0.0	75.5	777.3
1-1	si	7	Tz		436.8	-3.1	0.0	436.8
4-8	si	5	Ty		-74.0	0.0	-100.9	189.8

PROGR.

47.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			-12017.4	-674.4	-624.0	-441.6	-37.2	291.8
4-8			-4335.3	-156.8	-715.4	-301.5	-6.4	171.9

TENSIONI (Sz=0.00) :								
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si
1-1	si	4	Sx	Si	-508.2	0.0	75.5	524.8
1-1	si	7	Tz		309.3	-3.1	0.0	309.3
4-8	si	5	Ty		-51.6	0.0	-100.9	182.3

PROGR.

63.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			-7422.1	-88.8	-624.0	-438.7	-37.2	291.8
4-8			-2854.7	-58.7	-715.4	-299.3	-6.4	171.9

TENSIONI (Sz=0.00) :								
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si
1-1	si	4	Sx	Si	-250.3	0.0	75.5	282.4
1-1	si	7	Tz		181.8	-3.1	0.0	181.9
4-8	si	5	Ty		-29.7	0.0	-100.9	177.3

PROGR.

79.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			-2826.9	496.9	-624.0	-435.8	-37.2	291.8
4-8			-329.9	42.7	-715.4	-297.1	-6.4	171.9

TENSIONI (Sz=0.00) :								
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si
1-1	si	3	Sx	Si	-213.2	0.0	75.5	250.1
1-1	si	7	Tz		54.3	-3.1	0.0	54.6
4-8	si	5	Ty		-7.0	0.0	-100.9	174.9

PROGR.

94.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			1768.3	1082.5	-624.0	-433.0	-37.2	291.8
4-8			2134.0	143.0	-715.4	-294.9	-6.4	171.9

TENSIONI (Sz=0.00) :								
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	Si	-313.7	0.0	75.5	339.9
1-1	si	7	Tz		-73.2	-3.1	0.0	73.4
4-8	si	5	Ty		15.4	0.0	-100.9	175.5

PROGR.

110.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			6363.5	1668.2	-624.0	-430.1	-37.2	291.8
4-8			4842.6	243.2	-715.4	-292.6	-6.4	171.9

TENSIONI (Sz=0.00) :								
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	Si	-571.4	0.0	75.5	586.2
1-1	si	7	Tz		-200.7	-3.1	0.0	200.7
4-8	si	5	Ty		37.8	0.0	-100.9	178.8

PROGR.

126.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			10958.8	2253.9	-624.0	-427.2	-37.2	291.8
4-8			7549.6	343.4	-715.4	-290.4	-6.4	171.9

TENSIONI (Sz=0.00) :								
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	Si	-829.0	0.0	75.5	839.3
1-1	si	7	Tz		-328.1	-3.1	0.0	328.2
4-8	si	5	Ty		60.2	0.0	-100.9	184.9

VERIFICA STABILITA' :

Z	LO = 126.	Ro = 3.46	Im = 36.4	Ncr = 281988.7	al fa(c) = 0.4900	ki = 0.8563
Y	Lc = 126.	Ro = 0.43	Im = 291.0	Ncr = 4406.1	al fa(c) = 0.4900	ki = 0.0610
Caso 1-1 - Nodo 4 - Asse Y						
Ned =	-450.3	Mzeq = -11098.3	Myeq = -972.6	Ss = -959.4	( 0.284)	

ATTENZIONE : la snellezza supera il limite di 250.0  
 RETTANGOLARE\_S004 ( 4 ) stato limite ultimo - ASTA ( 49- 50) 47  
 PROGR. 0.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			-35725.1	-2051.8	-266.4	208.5	-33.1	385.4
4-2			-18656.1	-1032.8	-471.0	59.4	-16.8	163.0

TENSIONI (Sz=0.00) :								
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	Si	1459.9	0.0	32.3	1461.0
1-1	si	7	Tz		1003.9	-2.8	0.0	1004.0
4-2	si	5	Ty		-226.2	0.0	-70.6	257.2

PROGR.

16.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			-29655.1	-1529.9	-266.4	211.4	-33.1	385.4
4-2			-15760.8	-768.4	-471.0	61.6	-16.8	163.0

TENSIONI (Sz=0.00) :								
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	Si	1175.5	0.0	32.3	1176.8
1-1	si	7	Tz		835.5	-2.8	0.0	835.5
4-2	si	5	Ty		-167.3	0.0	-70.6	207.3

PROGR.

32.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			-23585.1	-1008.0	-266.4	214.3	-33.1	385.4
4-2			-12874.5	-504.0	-471.0	63.9	-16.8	163.0

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx Si	891.0	0.0	32.3	892.8		
1- 1	si	7	Tz	667.0	-2.8	0.0	667.1		
4- 2	si	5	Ty	-108.5	0.0	-70.6	163.5		
								PROGR. 47.	
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			-17515.1	-486.1	-266.4	217.2	-33.1	385.4	
4- 2			-10000.4	-239.6	-471.0	66.1	-16.8	163.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx Si	606.6	0.0	32.3	609.2		
1- 1	si	7	Tz	498.6	-2.8	0.0	498.6		
4- 2	si	5	Ty	-49.6	0.0	-70.6	132.0		
								PROGR. 63.	
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			-11445.1	35.7	-266.4	220.1	-33.1	385.4	
4- 2			-7144.3	25.2	-471.0	68.3	-16.8	163.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx Si	338.1	0.0	32.3	342.7		
1- 1	si	7	Tz	330.1	-2.8	0.0	330.2		
4- 2	si	5	Ty	9.4	0.0	-70.6	122.7		
								PROGR. 79.	
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			-5375.1	557.6	-266.4	223.0	-33.1	385.4	
4- 2			-4237.3	289.2	-471.0	70.5	-16.8	163.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx Si	285.6	0.0	32.3	291.0		
1- 1	si	7	Tz	161.7	-2.8	0.0	161.8		
4- 2	si	5	Ty	68.2	0.0	-70.6	140.0		
								PROGR. 94.	
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			695.0	1079.5	-266.4	225.9	-33.1	385.4	
4- 2			-1448.0	553.6	-471.0	72.8	-16.8	163.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx Si	271.7	0.0	32.3	277.4		
1- 1	si	7	Tz	-6.8	-2.8	0.0	8.3		
4- 2	si	5	Ty	127.1	0.0	-70.6	176.4		
								PROGR. 110.	
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			6765.0	1601.4	-266.4	228.8	-33.1	385.4	
4- 2			1347.5	818.0	-471.0	75.0	-16.8	163.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx Si	556.5	0.0	32.3	559.3		
1- 1	si	7	Tz	-175.2	-2.8	0.0	175.3		
4- 2	si	5	Ty	186.0	0.0	-70.6	222.6		
								PROGR. 126.	
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			12835.0	2123.3	-266.4	231.7	-33.1	385.4	
4- 2			4119.6	1082.4	-471.0	77.2	-16.8	163.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx Si	841.2	0.0	32.3	843.1		
1- 1	si	7	Tz	-343.7	-2.8	0.0	343.7		
4- 2	si	5	Ty	244.8	0.0	-70.6	273.7		
								PROGR. 126.	
VERI F I C A S T A B I L I T A` :									
Z	LO = 126.	Ro = 3.46	Im = 36.4	Ncr= 281988.7	al fa(c)=0.4900	ki=0.8563			
Y	Lc = 126.	Ro = 0.43	Im = 291.0	Ncr= 4406.1	al fa(c)=0.4900	ki=0.0610			
Caso 5- 7 - Nodo 3 - Asse Y									
Ned = -15.4   Mzeq = -12821.6   Myeq = 1070.6   Ss = -609.0 ( 0.180)									
ATTENZIONE : la snellezza supera il limite di 250.0									
RETTANGOLARE_S004 ( 4 ) stato limite ultimo - ASTA ( 3- 51) 48									
								PROGR. 0.	
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			52590.5	-858.6	-645.0	1957.9	-13.8	-464.4	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	3	Sx Si	1760.4	0.0	78.1	1765.6		
1- 1	si	7	Tz	-1352.1	-1.1	0.0	1352.1		
1- 1	si	5	Ty	-82.0	0.0	116.8	218.3		
								PROGR. 16.	
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			45275.8	-641.9	-645.0	1960.8	-13.8	-464.4	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	3	Sx Si	1509.2	0.0	78.1	1515.3		
1- 1	si	7	Tz	-1148.7	-1.1	0.0	1148.7		
1- 1	si	5	Ty	-33.7	0.0	116.8	205.1		
								PROGR. 32.	
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			37961.0	-425.2	-645.0	1963.7	-13.8	-464.4	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	3	Sx Si	1258.1	0.0	78.1	1265.3		
1- 1	si	7	Tz	-945.4	-1.1	0.0	945.4		
1- 1	si	5	Ty	14.6	0.0	116.8	202.8		
								PROGR. 47.	
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			30646.3	-208.5	-645.0	1966.6	-13.8	-464.4	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	3	Sx Si	1006.9	0.0	78.1	1015.9		
1- 1	si	7	Tz	-742.0	-1.1	0.0	742.0		
1- 1	si	5	Ty	62.9	0.0	116.8	211.8		
								PROGR. 63.	
SOLLECI TAZI ONI :									

Caso	1-1	MZ	MY	MT	N	TZ	TY	
TENSIONI (Sz=	0.00)	23331.5	8.3	-645.0	1969.5	-13.8	-464.4	
Caso	1-1	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	4	Sx	Si	759.3	0.0	78.1	771.3
1-1	si	7	Tz	Ty	-538.7	-1.1	0.0	538.7
1-1	si	5	Ty	TySi	111.2	0.0	116.8	230.8
-----								79.
SOLLECI TAZI ONI								
Caso	1-1	MZ	MY	MT	N	TZ	TY	
TENSIONI (Sz=	0.00)	16016.8	225.0	-645.0	1972.4	-13.8	-464.4	
Caso	1-1	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	4	Sx	Si	604.5	0.0	78.1	619.4
1-1	si	7	Tz	Ty	-335.3	-1.1	0.0	335.3
1-1	si	5	Ty	TySi	159.6	0.0	116.8	257.6
-----								94.
SOLLECI TAZI ONI								
Caso	1-1	MZ	MY	MT	N	TZ	TY	
TENSIONI (Sz=	0.00)	8702.0	441.7	-645.0	1975.2	-13.8	-464.4	
Caso	1-1	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	4	Sx	Si	449.6	0.0	78.1	469.5
1-1	si	7	Tz	Ty	-132.0	-1.1	0.0	132.0
1-1	si	5	Ty	TySi	207.9	0.0	116.8	290.1
-----								110.
SOLLECI TAZI ONI								
Caso	1-1	MZ	MY	MT	N	TZ	TY	
TENSIONI (Sz=	0.00)	1387.3	658.4	-645.0	1978.1	-13.8	-464.4	
Caso	1-1	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	4	Sx	Si	294.7	0.0	78.1	324.3
1-1	si	7	Tz	Ty	71.4	-1.1	0.0	71.4
1-1	si	5	Ty	TySi	256.2	0.0	116.8	326.4
-----								126.
SOLLECI TAZI ONI								
Caso	1-1	MZ	MY	MT	N	TZ	TY	
TENSIONI (Sz=	0.00)	-5927.5	875.2	-645.0	1981.0	-13.8	-464.4	
Caso	1-1	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	1	Sx	Si	469.2	0.0	78.1	488.3
1-1	si	7	Tz	Ty	274.7	-1.1	0.0	274.7
1-1	si	5	Ty	TySi	304.5	0.0	116.8	365.6
ATTENZIONE : la snellezza supera il limite di 250.0								
-----								
VERIFICA STABILITA' : asta tesa per tutti i casi di carico.								
RETTANGOLARE_S004 ( 4 )	stato limite ultimo - ASTA ( 57- 52)						49	
-----								0.
SOLLECI TAZI ONI								
Caso	1-1	MZ	MY	MT	N	TZ	TY	
TENSIONI (Sz=	0.00)	-13114.0	-727.4	182.9	155.4	-11.0	173.6	
Caso	1-1	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	2	Sx	Si	534.6	0.0	22.1	535.9
1-1	si	7	Tz	Ty	372.9	-0.9	0.0	372.9
1-1	si	5	Ty	TySi	-153.0	0.0	-36.6	165.6
-----								16.
SOLLECI TAZI ONI								
Caso	1-1	MZ	MY	MT	N	TZ	TY	
TENSIONI (Sz=	0.00)	-10380.3	-554.3	182.9	158.3	-11.0	173.6	
Caso	1-1	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	2	Sx	Si	420.3	0.0	22.1	422.1
1-1	si	7	Tz	Ty	297.1	-0.9	0.0	297.1
1-1	si	5	Ty	TySi	-114.4	0.0	-36.6	130.8
-----								32.
SOLLECI TAZI ONI								
Caso	1-1	MZ	MY	MT	N	TZ	TY	
TENSIONI (Sz=	0.00)	-7646.5	-381.1	182.9	161.2	-11.0	173.6	
Caso	1-1	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	2	Sx	Si	306.1	0.0	22.1	308.4
1-1	si	7	Tz	Ty	221.4	-0.9	0.0	221.4
1-1	si	5	Ty	TySi	-75.7	0.0	-36.6	98.8
-----								47.
SOLLECI TAZI ONI								
Caso	1-1	MZ	MY	MT	N	TZ	TY	
TENSIONI (Sz=	0.00)	-4912.7	-208.0	182.9	164.1	-11.0	173.6	
Caso	1-1	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	2	Sx	Si	191.8	0.0	22.1	195.6
1-1	si	7	Tz	Ty	145.6	-0.9	0.0	145.6
1-1	si	5	Ty	TySi	-37.1	0.0	-36.6	73.5
-----								63.
SOLLECI TAZI ONI								
Caso	1-1	MZ	MY	MT	N	TZ	TY	
TENSIONI (Sz=	0.00)	-2178.9	-34.8	182.9	167.0	-11.0	173.6	
Caso	1-1	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	2	Sx	Si	77.5	0.0	22.1	86.5
1-1	si	7	Tz	Ty	69.8	-0.9	0.0	69.8
1-1	si	5	Ty	TySi	1.5	0.0	-36.6	63.4
-----								79.
SOLLECI TAZI ONI								
Caso	5-10	MZ	MY	MT	N	TZ	TY	
TENSIONI (Sz=	0.00)	-849.5	102.7	69.2	167.1	-7.6	18.9	
1-1	si	554.8	138.4	182.9	169.9	-11.0	173.6	
Caso	5-10	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	1	Sx	Si	55.7	0.0	8.4	57.6
1-1	si	7	Tz	Ty	-6.0	-0.9	0.0	6.2
1-1	si	5	Ty	TySi	40.2	0.0	-36.6	75.1
-----								94.
SOLLECI TAZI ONI								
Caso	1-1	MZ	MY	MT	N	TZ	TY	
TENSIONI (Sz=	0.00)	3288.6	311.5	182.9	172.8	-11.0	173.6	
Caso	1-1	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	4	Sx	Si	170.2	0.0	22.1	174.4
1-1	si	7	Tz	Ty	-81.8	-0.9	0.0	81.8
1-1	si	5	Ty	TySi	78.8	0.0	-36.6	101.2
-----								110.

SOLLECI TAZI ONI :										
Caso	Ve		No	massi mi	Sx	Tz	Ty	Si		
1- 1	si		4	Sx	284. 8	0. 0	22. 1	287. 3		
1- 1	si		7	Tz	-157. 5	-0. 9	0. 0	157. 5		
1- 1	si		5	Ty	117. 5	0. 0	-36. 6	133. 5		
-----										
PROGR. 126.										

SOLLECI TAZI ONI :										
Caso	Ve		No	massi mi	Sx	Tz	Ty	Si		
1- 1	si		4	Sx	399. 3	0. 0	22. 1	401. 2		
1- 1	si		7	Tz	-233. 3	-0. 9	0. 0	233. 3		
1- 1	si		5	Ty	156. 1	0. 0	-36. 6	168. 5		
ATTENZIONE : la snellezza supera il limite di 250.0										

VERIFICA STABILITA` : asta tesa per tutti i casi di carico.

RETTANGOLARE\_S004 ( 4 ) stato limite ultimo - ASTA ( 55- 56) 51  
0.

SOLLECI TAZI ONI :										
Caso	Ve		No	massi mi	Sx	Tz	Ty	Si		
1- 1	si		3	Sx	506. 0	0. 0	3. 6	506. 0		
1- 1	si		7	Tz	-335. 9	-0. 9	0. 0	335. 9		
1- 1	si		5	Ty	-156. 0	0. 0	17. 5	158. 9		
-----										
PROGR. 16.										

SOLLECI TAZI ONI :										
Caso	Ve		No	massi mi	Sx	Tz	Ty	Si		
1- 1	si		3	Sx	394. 5	0. 0	3. 6	394. 5		
1- 1	si		7	Tz	-262. 4	-0. 9	0. 0	262. 4		
1- 1	si		5	Ty	-117. 5	0. 0	17. 5	121. 4		
-----										
PROGR. 32.										

SOLLECI TAZI ONI :										
Caso	Ve		No	massi mi	Sx	Tz	Ty	Si		
1- 1	si		3	Sx	283. 0	0. 0	3. 6	283. 0		
1- 1	si		7	Tz	-189. 0	-0. 9	0. 0	189. 0		
1- 1	si		5	Ty	-79. 0	0. 0	17. 5	84. 6		
-----										
PROGR. 47.										

SOLLECI TAZI ONI :										
Caso	Ve		No	massi mi	Sx	Tz	Ty	Si		
1- 1	si		3	Sx	171. 5	0. 0	3. 6	171. 6		
1- 1	si		7	Tz	-115. 5	-0. 9	0. 0	115. 5		
1- 1	si		5	Ty	-40. 4	0. 0	17. 5	50. 6		
-----										
PROGR. 63.										

SOLLECI TAZI ONI :										
Caso	Ve		No	massi mi	Sx	Tz	Ty	Si		
1- 1	si		3	Sx	60. 0	0. 0	3. 6	60. 3		
1- 1	si		7	Tz	-42. 1	-0. 9	0. 0	42. 1		
1- 1	si		5	Ty	-1. 9	0. 0	17. 5	30. 5		
-----										
PROGR. 79.										

SOLLECI TAZI ONI :										
Caso	Ve		No	massi mi	Sx	Tz	Ty	Si		
1- 1	si		1	Sx	62. 5	0. 0	3. 6	62. 8		
1- 1	si		7	Tz	31. 4	-0. 9	0. 0	31. 4		
1- 1	si		5	Ty	36. 6	0. 0	17. 5	47. 6		
-----										
PROGR. 94.										

SOLLECI TAZI ONI :										
Caso	Ve		No	massi mi	Sx	Tz	Ty	Si		
1- 1	si		1	Sx	174. 3	0. 0	3. 6	174. 4		
1- 1	si		7	Tz	104. 8	-0. 9	0. 0	104. 8		
1- 1	si		5	Ty	75. 1	0. 0	17. 5	81. 0		
-----										
PROGR. 110.										

SOLLECI TAZI ONI :										
Caso	Ve		No	massi mi	Sx	Tz	Ty	Si		
1- 1	si		1	Sx	286. 1	0. 0	3. 6	286. 2		
1- 1	si		7	Tz	178. 3	-0. 9	0. 0	178. 3		
1- 1	si		5	Ty	113. 6	0. 0	17. 5	117. 6		
-----										
PROGR. 126.										

SOLLECI TAZI ONI :										
Caso	Ve		No	massi mi	Sx	Tz	Ty	Si		
1- 1	si		1	Sx	397. 9	0. 0	3. 6	397. 9		
1- 1	si		7	Tz	251. 7	-0. 9	0. 0	251. 7		
1- 1	si		5	Ty	152. 1	0. 0	17. 5	155. 1		

VERIFICA STABILITA` :

Z | LO = 126. | Ro = 3. 46 | Im = 36. 4 | Ncr= 281988. 7 | al fa(c) =0. 4900 | ki =0. 8563  
 Y | Lc = 126. | Ro = 0. 43 | Im = 291. 0 | Ncr= 4406. 1 | al fa(c) =0. 4900 | ki =0. 0610  
 Caso 4-15 - Nodo 1 - Asse Y  
 Ned = -12. 0 | Meq = 6996. 6 | Myeq = -131. 2 | Ss = -234. 5 ( 0. 069)

ATTENZIONE : la snellezza supera il limite di 250.0  
 RETTANGOLARE\_S004 ( 4 ) stato limite ultimo - ASTA ( 41- 58) 52  
 ----- PROGR. 0.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		-47884.2	265.9	-1347.3	3061.9	4.0	511.6
4- 2		-22741.5	526.6	-582.1	1412.2	8.2	246.5
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	1559.3	0.0	163.1	1584.7
4- 2	si	7	Tz	710.2	0.7	0.0	710.2
1- 1	si	5	Ty	229.2	0.0	-205.7	423.7

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		-39826.5	203.3	-1347.3	3064.8	4.0	511.6
4- 2		-18861.3	396.8	-582.1	1414.4	8.2	246.5
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	1321.7	0.0	163.1	1351.6
4- 2	si	7	Tz	602.5	0.7	0.0	602.5
1- 1	si	5	Ty	215.4	0.0	-205.7	416.4

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		-31768.8	140.7	-1347.3	3067.7	4.0	511.6
4- 2		-14982.1	267.0	-582.1	1416.6	8.2	246.5
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	1084.2	0.0	163.1	1120.4
4- 2	si	7	Tz	494.9	0.7	0.0	494.9
1- 1	si	5	Ty	201.7	0.0	-205.7	409.5

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		-23711.1	78.1	-1347.3	3070.6	4.0	511.6
4- 2		-11104.8	137.2	-582.1	1418.9	8.2	246.5
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	846.6	0.0	163.1	892.5
4- 2	si	7	Tz	387.3	0.7	0.0	387.3
1- 1	si	5	Ty	188.0	0.0	-205.7	402.9

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		-15653.3	15.5	-1347.3	3073.5	4.0	511.6
4- 2		-7232.0	7.6	-582.1	1421.1	8.2	246.5
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	609.0	0.0	163.1	671.3
4- 2	si	7	Tz	279.8	0.7	0.0	279.8
1- 1	si	5	Ty	174.2	0.0	-205.7	396.6

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		-7595.6	-47.1	-1347.3	3076.4	4.0	511.6
4- 2		-3375.1	-122.4	-582.1	1423.3	8.2	246.5
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	392.4	0.0	163.1	483.5
4- 2	si	7	Tz	172.8	0.7	0.0	172.8
1- 1	si	5	Ty	160.5	0.0	-205.7	390.8

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		462.1	-109.7	-1347.3	3079.3	4.0	511.6
4- 2		634.6	-252.2	-582.1	1425.5	8.2	246.5
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	208.3	0.0	163.1	351.0
4- 2	si	7	Tz	61.6	0.7	0.0	61.6
1- 1	si	5	Ty	146.7	0.0	-205.7	385.3
1- 1	si	6	Si	195.4	0.0	-205.7	406.4

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		8519.9	-172.3	-1347.3	3082.2	4.0	511.6
4- 2		4479.2	-382.0	-582.1	1427.8	8.2	246.5
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	446.2	0.0	163.1	528.1
4- 2	si	7	Tz	-45.1	0.7	0.0	45.1
1- 1	si	5	Ty	133.0	0.0	-205.7	380.3

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		16577.6	-234.8	-1347.3	3085.1	4.0	511.6
4- 2		8347.4	-511.8	-582.1	1430.0	8.2	246.5
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	684.1	0.0	163.1	740.1
4- 2	si	7	Tz	-152.4	0.7	0.0	152.4
1- 1	si	5	Ty	119.2	0.0	-205.7	375.7

ATTENZIONE : la snellezza supera il limite di 250.0  
 VERIFICA STABILITA' : asta tesa per tutti i casi di carico.  
 RETTANGOLARE\_S004 ( 4 ) stato limite ultimo - ASTA ( 62- 59) 53  
 ----- PROGR. 0.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		3433.8	-326.0	-766.2	95.5	-4.9	-48.5
5- 4		-729.9	-329.3	-422.2	68.9	-5.0	26.3
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	173.1	0.0	92.8	236.2
5- 4	si	7	Tz	24.1	-0.4	0.0	24.1
1- 1	si	5	Ty	-67.1	0.0	96.8	180.6

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		2670.3	-249.5	-766.2	98.3	-4.9	-48.5
5- 4		-316.2	-249.9	-422.2	71.1	-5.0	26.3

TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	3	Sx	135.1	0.0	92.8	209.9		
5-4	si	7	Tz	12.7	-0.4	0.0	12.8		
1-1	si	5	Ty	-50.0	0.0	96.8	174.9		
----- PROGR. 32.									
SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
1-1				1906.8	-173.1	-766.2	101.2	-4.9	-48.5
5-4				97.6	-170.4	-422.2	73.3	-5.0	26.3
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	3	Sx	97.1	0.0	92.8	187.7		
5-4	si	7	Tz	1.4	-0.4	0.0	1.5		
1-1	si	5	Ty	-32.8	0.0	96.8	170.8		
----- PROGR. 47.									
SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
1-1				1143.3	-96.6	-766.2	104.1	-4.9	-48.5
5-4				513.2	-91.0	-422.2	75.5	-5.0	26.3
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	3	Sx	59.0	0.0	92.8	171.1		
5-4	si	7	Tz	-10.1	-0.4	0.0	10.1		
1-1	si	5	Ty	-15.7	0.0	96.8	168.4		
----- PROGR. 63.									
SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
5-7				1550.8	-12.5	-504.0	68.7	-4.3	67.5
5-4				940.0	-11.7	-422.2	77.8	-5.0	26.3
1-1				379.9	-20.1	-766.2	107.0	-4.9	-48.5
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
5-7	si	3	Sx	49.7	0.0	61.0	116.8		
5-4	si	7	Tz	-21.8	-0.4	0.0	21.8		
1-1	si	5	Ty	1.5	0.0	96.8	167.7		
1-1	si	6	Si	10.4	0.0	96.8	168.0		
----- PROGR. 79.									
SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
5-3				2534.0	62.6	-493.2	72.8	-4.8	65.2
5-4				1337.0	67.9	-422.2	80.0	-5.0	26.3
1-1				-383.6	56.4	-766.2	109.9	-4.9	-48.5
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
5-3	si	4	Sx	88.4	0.0	59.7	136.0		
5-4	si	7	Tz	-32.7	-0.4	0.0	32.7		
1-1	si	5	Ty	18.6	0.0	96.8	168.7		
----- PROGR. 94.									
SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
5-3				3560.9	137.6	-493.2	75.0	-4.8	65.2
5-4				1751.1	147.3	-422.2	82.2	-5.0	26.3
1-1				-1147.1	132.8	-766.2	112.8	-4.9	-48.5
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
5-3	si	4	Sx	133.7	0.0	59.7	169.0		
5-4	si	7	Tz	-44.1	-0.4	0.0	44.1		
1-1	si	5	Ty	35.8	0.0	96.8	171.4		
1-1	si	1	Si	67.6	0.0	92.8	174.3		
----- PROGR. 110.									
SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
5-3				4587.5	212.6	-493.2	77.2	-4.8	65.2
5-4				2164.9	226.8	-422.2	84.4	-5.0	26.3
1-1				-1910.6	209.3	-766.2	115.7	-4.9	-48.5
5-7				4722.6	190.3	-504.0	75.4	-4.3	67.5
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
5-3	si	4	Sx	179.0	0.0	59.7	206.7		
5-4	si	7	Tz	-55.4	-0.4	0.0	55.4		
1-1	si	5	Ty	52.9	0.0	96.8	175.8		
5-7	si	4	Si	177.7	0.0	61.0	206.7		
----- PROGR. 126.									
SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
5-3				5614.0	287.6	-493.2	79.4	-4.8	65.2
5-4				2578.6	306.2	-422.2	86.7	-5.0	26.3
1-1				-2674.1	285.8	-766.2	118.6	-4.9	-48.5
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
5-3	si	4	Sx	224.3	0.0	59.7	247.0		
5-4	si	7	Tz	-66.8	-0.4	0.0	66.8		
1-1	si	5	Ty	70.1	0.0	96.8	181.7		
----- PROGR. 132.									
VERIFICA STABILITA' :									
Z	LO = 126.	Ro = 3.46	Im = 36.4	Ncr = 281988.7	al fa(c) = 0.4900	ki = 0.8563			
Y	Lc = 126.	Ro = 0.43	Im = 291.0	Ncr = 4406.1	al fa(c) = 0.4900	ki = 0.0610			
Caso 5-14 - Nodo 4 - Asse Y									
Ned =	-59.1	Mzeq =	-4375.4	Myeq =	-102.3	Ss =	-198.4	( 0.059)	
ATTENZIONE : la snellezza supera il limite di 250.0									
RETTANGOLARE_S004 ( 4 ) stato limite ultimo - ASTA ( 60- 61) 54									
----- PROGR. 0.									
SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
5-3				-5819.7	254.2	-501.4	-316.1	4.0	82.5
4-2				-2263.8	321.6	-498.7	-269.9	5.0	19.4
1-1				-7240.0	-16.2	-902.7	-537.3	-0.4	82.4
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
5-3	si	3	Sx	-235.7	0.0	60.7	258.1		
4-2	si	7	Tz	47.9	0.4	0.0	47.9		
1-1	si	5	Ty	-33.4	0.0	-116.2	203.9		
1-1	si	4	Si	-234.6	0.0	109.3	301.4		
----- PROGR. 16.									
SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
1-1				-5941.8	-10.3	-902.7	-534.4	-0.4	82.4
4-2				-1958.1	242.4	-498.7	-267.7	5.0	19.4
TENSIONI (Sz= 0.00) :									



Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	-197.0	0.0	109.3	273.2	
4- 2	si	7	Tz	39.5	0.4	0.0	39.5	
1- 1	si	5	Ty	-32.0	0.0	-116.2	203.7	
								PROGR. 32.
SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			-4643.6	-4.5	-902.7	-531.5	-0.4	82.4
4- 2			-1652.5	163.2	-498.7	-265.5	5.0	19.4
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	-159.5	0.0	109.3	247.5	
4- 2	si	7	Tz	31.2	0.4	0.0	31.2	
1- 1	si	5	Ty	-30.5	0.0	-116.2	203.5	
								PROGR. 47.
SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			-3345.4	1.3	-902.7	-528.6	-0.4	82.4
4- 2			-1347.1	84.1	-498.7	-263.2	5.0	19.4
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx	-122.6	0.0	109.3	225.5	
4- 2	si	7	Tz	22.8	0.4	0.0	22.8	
1- 1	si	5	Ty	-29.1	0.0	-116.2	203.3	
								PROGR. 63.
SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			-2047.2	7.1	-902.7	-525.7	-0.4	82.4
4- 2			-1040.7	5.5	-498.7	-261.0	5.0	19.4
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx	-87.7	0.0	109.3	208.6	
4- 2	si	7	Tz	14.4	0.4	0.0	14.4	
1- 1	si	5	Ty	-27.6	0.0	-116.2	203.1	
								PROGR. 79.
SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
5-14			-1788.7	46.5	-246.8	-123.8	-2.7	-32.1
4- 2			-735.4	-74.3	-498.7	-258.8	5.0	19.4
1- 1			-748.9	13.0	-902.7	-522.8	-0.4	82.4
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-14	si	3	Sx	-66.9	0.0	29.9	84.6	
4- 2	si	7	Tz	6.1	0.4	0.0	6.1	
1- 1	si	5	Ty	-26.2	0.0	-116.2	202.9	
1- 1	si	6	Si	-31.9	0.0	-116.2	203.7	
								PROGR. 94.
SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
5- 3			1975.4	-121.3	-501.4	-302.8	4.0	82.5
4- 2			-429.8	-153.5	-498.7	-256.6	5.0	19.4
1- 1			549.3	18.8	-902.7	-519.9	-0.4	82.4
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5- 3	si	1	Sx	-98.6	0.0	60.7	144.2	
4- 2	si	7	Tz	-2.3	0.4	0.0	2.4	
1- 1	si	5	Ty	-24.7	0.0	-116.2	202.7	
1- 1	si	6	Si	-33.1	0.0	-116.2	203.9	
								PROGR. 110.
SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
5- 3			3274.3	-183.9	-501.4	-300.5	4.0	82.5
4- 2			-124.2	-232.7	-498.7	-254.3	5.0	19.4
1- 1			1847.5	24.6	-902.7	-517.0	-0.4	82.4
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5- 3	si	1	Sx	-148.5	0.0	60.7	182.0	
4- 2	si	7	Tz	-10.7	0.4	0.0	10.7	
1- 1	si	5	Ty	-23.3	0.0	-116.2	202.5	
1- 1	si	2	Si	-85.5	0.0	109.3	207.7	
								PROGR. 126.
SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
5- 3			4573.3	-246.5	-501.4	-298.3	4.0	82.5
4- 2			181.5	-311.9	-498.7	-252.1	5.0	19.4
1- 1			3145.7	30.5	-902.7	-514.2	-0.4	82.4
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5- 3	si	1	Sx	-198.4	0.0	60.7	224.5	
4- 2	si	7	Tz	-19.0	0.4	0.0	19.1	
1- 1	si	5	Ty	-21.8	0.0	-116.2	202.4	
1- 1	si	2	Si	-122.7	0.0	109.3	225.6	
								PROGR. 126.
VERI F I CA STABI LI TA` :								
Z	LO = 126.	Ro = 3.46	Im = 36.4	Ncr= 281988.7	al fa(c )=0.4900	ki=0.8563		
Y	Lc = 126.	Ro = 0.43	Im = 291.0	Ncr= 4406.1	al fa(c )=0.4900	ki=0.0610		
Caso 1- 1	- Nodo 3 - Asse Y							
Ned =	-537.3	Mzeq =	-3085.7	Myeq =	12.2	Ss =	-578.1	( 0.171)
ATTENZIONE : la snellezza supera il limite di 250.0								
RETTANGOLARE_S004 ( 4 ) stato limite ultimo - ASTA ( 23- 63)								55
								0.
SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
5- 7			36056.6	-286.3	-713.5	836.7	-4.6	-313.6
5- 4			24936.4	-331.9	-463.2	686.3	-5.3	-216.1
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5- 7	si	3	Sx	1111.7	0.0	86.4	1121.7	
5- 4	si	7	Tz	-654.6	-0.4	0.0	654.6	
5- 7	si	5	Ty	-17.1	0.0	112.5	195.6	
								PROGR. 16.
SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
5- 7			31117.6	-213.6	-713.5	838.9	-4.6	-313.6
5- 4			21533.5	-247.9	-463.2	688.5	-5.3	-216.1
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5- 7	si	3	Sx	958.5	0.0	86.4	970.1	
5- 4	si	7	Tz	-559.9	-0.4	0.0	559.9	
5- 7	si	5	Ty	-0.9	0.0	112.5	194.9	

----- PROGR. 32.

SOLLECI TAZI ONI :							
Caso	MZ		MY	MT	N	TZ	TY
5- 7	26178.6		-140.9	-713.5	841.1	-4.6	-313.6
5- 4	18130.7		-163.9	-463.2	690.7	-5.3	-216.1

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5- 7	si	3	Sx	805.2	0.0	86.4	819.0
5- 4	si	7	Tz	-465.3	-0.4	0.0	465.3
5- 7	si	5	Ty	15.4	0.0	112.5	195.5

----- PROGR. 47.

SOLLECI TAZI ONI :							
Caso	MZ		MY	MT	N	TZ	TY
5- 7	21239.7		-68.2	-713.5	843.3	-4.6	-313.6
5- 4	14728.0		-79.9	-463.2	693.0	-5.3	-216.1

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5- 7	si	3	Sx	652.0	0.0	86.4	668.9
5- 4	si	7	Tz	-370.6	-0.4	0.0	370.6
5- 7	si	5	Ty	31.7	0.0	112.5	197.4

----- PROGR. 63.

SOLLECI TAZI ONI :							
Caso	MZ		MY	MT	N	TZ	TY
5- 7	16300.9		4.6	-713.5	845.6	-4.6	-313.6
5- 4	11325.3		4.2	-463.2	695.2	-5.3	-216.1

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5- 7	si	4	Sx	500.8	0.0	86.4	522.7
5- 4	si	7	Tz	-276.0	-0.4	0.0	276.0
5- 7	si	5	Ty	48.0	0.0	112.5	200.7

----- PROGR. 79.

SOLLECI TAZI ONI :							
Caso	MZ		MY	MT	N	TZ	TY
5- 7	11362.2		77.2	-713.5	847.8	-4.6	-313.6
5- 4	7922.9		88.0	-463.2	697.4	-5.3	-216.1

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5- 7	si	4	Sx	379.9	0.0	86.4	408.3
5- 4	si	7	Tz	-181.3	-0.4	0.0	181.3
5- 7	si	5	Ty	64.2	0.0	112.5	205.2

----- PROGR. 94.

SOLLECI TAZI ONI :							
Caso	MZ		MY	MT	N	TZ	TY
5- 7	6424.2		149.9	-713.5	850.0	-4.6	-313.6
5- 4	4521.0		172.0	-463.2	699.6	-5.3	-216.1

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5- 7	si	4	Sx	259.0	0.0	86.4	299.1
5- 4	si	7	Tz	-86.7	-0.4	0.0	86.7
5- 7	si	5	Ty	80.5	0.0	112.5	210.8

----- PROGR. 110.

SOLLECI TAZI ONI :							
Caso	MZ		MY	MT	N	TZ	TY
1- 1	1865.9		241.3	-167.8	1178.2	-4.9	-181.3
5- 4	1122.0		256.0	-463.2	701.9	-5.3	-216.1
5- 7	1489.0		222.6	-713.5	852.2	-4.6	-313.6
5- 3	1497.8		247.8	-716.0	789.9	-5.2	-309.5

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	170.9	0.0	20.3	174.5
5- 4	si	7	Tz	7.8	-0.4	0.0	7.9
5- 7	si	5	Ty	96.8	0.0	112.5	217.6
5- 3	si	5	Si	99.0	0.0	112.5	218.5

----- PROGR. 126.

SOLLECI TAZI ONI :							
Caso	MZ		MY	MT	N	TZ	TY
5- 3	-3396.0		329.0	-716.0	792.1	-5.2	-309.5
5- 4	-2299.4		340.0	-463.2	704.1	-5.3	-216.1
5- 7	-3468.5		295.3	-713.5	854.5	-4.6	-313.6

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5- 3	si	1	Sx	211.5	0.0	86.7	259.3
5- 4	si	7	Tz	103.0	-0.4	0.0	103.0
5- 7	si	5	Ty	113.1	0.0	112.5	225.3

ATTENZIONE : la snellezza supera il limite di 250.0

----- PROGR. 56

VERIFICA STABILITA' : asta tesa per tutti i casi di carico.

RETTANGOLARE\_S004 ( 4) stato limite ultimo - ASTA ( 295- 296) 0.

----- PROGR. 16.

SOLLECI TAZI ONI :							
Caso	MZ		MY	MT	N	TZ	TY
1- 1	20559.1		-258.5	-424.3	346.2	-4.2	-146.8
5- 4	3430.0		-311.0	-423.3	322.5	-5.0	6.1
5- 3	566.4		-299.2	-597.0	399.2	-4.8	46.8

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	647.8	0.0	51.4	653.9
5- 4	si	7	Tz	-77.4	-0.4	0.0	77.4
5- 3	si	5	Ty	-44.3	0.0	-76.2	139.2

----- PROGR. 32.

SOLLECI TAZI ONI :							
Caso	MZ		MY	MT	N	TZ	TY
1- 1	18246.9		-192.4	-424.3	349.1	-4.2	-146.8
5- 4	3527.0		-232.6	-423.3	324.7	-5.0	6.1
5- 3	1304.5		-223.8	-597.0	401.4	-4.8	46.8

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	569.0	0.0	51.4	575.9
5- 4	si	7	Tz	-79.9	-0.4	0.0	79.9
5- 3	si	5	Ty	-27.4	0.0	-76.2	134.8

----- PROGR. 47.

SOLLECI TAZI ONI :							
Caso	MZ		MY	MT	N	TZ	TY
1- 1	15934.7		-126.3	-424.3	352.0	-4.2	-146.8
5- 4	3624.1		-154.2	-423.3	326.9	-5.0	6.1
5- 3	2042.7		-148.4	-597.0	403.6	-4.8	46.8

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	490.3	0.0	51.4	498.3
5- 4	si	7	Tz	-82.5	-0.4	0.0	82.5
5- 3	si	5	Ty	-10.6	0.0	-76.2	132.4

SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	13622.6	-60.2	-424.3	354.9	-4.2	-146.8	
5- 4	3721.4	-75.8	-423.3	329.2	-5.0	6.1	
5- 3	2781.1	-73.0	-597.0	405.9	-4.8	46.8	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	411.5	0.0	51.4	421.0
5- 4	si	7	Tz	-85.1	-0.4	0.0	85.1
5- 3	si	5	Ty	6.3	0.0	-76.2	132.1

PROGR. 63.

SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	11310.4	5.9	-424.3	357.8	-4.2	-146.8	
5- 4	3817.8	1.7	-423.3	331.4	-5.0	6.1	
5- 3	3518.6	1.5	-597.0	408.1	-4.8	46.8	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	335.4	0.0	51.4	347.0
5- 4	si	7	Tz	-87.6	-0.4	0.0	87.6
5- 3	si	5	Ty	23.0	0.0	-76.2	133.9

PROGR. 79.

SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	8998.3	72.0	-424.3	360.7	-4.2	-146.8	
5- 4	3919.8	81.0	-423.3	333.6	-5.0	6.1	
5- 3	4261.7	77.8	-597.0	410.3	-4.8	46.8	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	286.0	0.0	51.4	299.5
5- 4	si	7	Tz	-90.3	-0.4	0.0	90.4
5- 3	si	5	Ty	40.1	0.0	-76.2	137.9

PROGR. 94.

SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	6686.1	138.1	-424.3	363.6	-4.2	-146.8	
5- 4	4017.8	159.4	-423.3	335.8	-5.0	6.1	
5- 3	5000.8	153.2	-597.0	412.5	-4.8	46.8	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	236.6	0.0	51.4	252.8
5- 4	si	7	Tz	-92.9	-0.4	0.0	93.0
5- 3	si	5	Ty	57.0	0.0	-76.2	143.7

PROGR. 110.

SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
5- 3	5741.5	228.6	-597.0	414.8	-4.8	46.8	
5- 4	4117.4	237.7	-423.3	338.1	-5.0	6.1	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5- 3	si	4	Sx	233.3	0.0	72.3	264.8
5- 4	si	7	Tz	-95.6	-0.4	0.0	95.6
5- 3	si	5	Ty	73.8	0.0	-76.2	151.2

PROGR. 126.

SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
5- 3	6483.3	303.9	-597.0	417.0	-4.8	46.8	
5- 4	4218.1	316.1	-423.3	340.3	-5.0	6.1	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5- 3	si	4	Sx	270.8	0.0	72.3	298.3
5- 4	si	7	Tz	-98.3	-0.4	0.0	98.3
5- 3	si	5	Ty	90.7	0.0	-76.2	160.1

ATTENZIONE : la snellezza supera il limite di 250.0

VERIFICA STABILITA' : asta tesa per tutti i casi di carico.

RETTANGOLARE\_S004 ( 4) stato limite ultimo - ASTA ( 301- 302) 57 0.

SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	51620.7	-34.4	-326.9	-131.6	-0.7	-485.2	
5-13	26684.0	405.4	290.6	-103.0	6.2	-234.5	
5- 3	8999.6	-155.3	-796.8	-76.4	-2.6	-117.7	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-1448.9	0.0	39.6	1450.5
5-13	si	7	Tz	-746.9	0.5	0.0	746.9
5- 3	si	5	Ty	-38.8	0.0	106.3	188.1

PROGR. 16.

SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	43978.0	-24.1	-326.9	-128.7	-0.7	-485.2	
5-13	22990.6	307.7	290.6	-100.8	6.2	-234.5	
5- 3	7145.8	-115.0	-796.8	-74.2	-2.6	-117.7	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-1234.1	0.0	39.6	1236.0
5-13	si	7	Tz	-644.2	0.5	0.0	644.2
5- 3	si	5	Ty	-29.7	0.0	106.3	186.4

PROGR. 32.

SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	36335.4	-13.8	-326.9	-125.8	-0.7	-485.2	
5-13	19297.2	210.0	290.6	-98.5	6.2	-234.5	
5- 3	5291.9	-74.6	-796.8	-71.9	-2.6	-117.7	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-1019.4	0.0	39.6	1021.7
5-13	si	7	Tz	-541.5	0.5	0.0	541.5
5- 3	si	5	Ty	-20.6	0.0	106.3	185.2

PROGR. 47.

SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	28692.7	-3.5	-326.9	-122.9	-0.7	-485.2	
5-13	15603.8	112.5	290.6	-96.3	6.2	-234.5	
5- 3	3438.1	-34.4	-796.8	-69.7	-2.6	-117.7	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-804.6	0.0	39.6	807.5
5-13	si	7	Tz	-438.8	0.5	0.0	438.8
5- 3	si	5	Ty	-11.5	0.0	106.3	184.4

PROGR. 63.

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso	1- 1	21050.0	6.9	-326.9	-120.0	-0.7	-485.2
	5-13	11910.3	2.9	290.6	-94.1	6.2	-234.5
	5- 3	1584.3	17.8	-796.8	-67.5	-2.6	-117.7

TENSI ONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	1- 1	-592.9	0.0	39.6	596.9
	5-13	-336.1	0.5	0.0	336.1
	5- 3	0.2	0.0	106.3	184.1

PROGR. 79.

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso	1- 1	13407.4	17.2	-326.9	-117.1	-0.7	-485.2
	5-13	8216.8	-83.8	290.6	-91.9	6.2	-234.5
	5- 3	-269.4	47.3	-796.8	-65.3	-2.6	-117.7

TENSI ONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	1- 1	-382.7	0.0	39.6	388.8
	5-13	-233.3	0.5	0.0	233.3
	5- 3	6.9	0.0	106.3	184.2

PROGR. 94.

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso	5-14	6561.9	-160.6	540.3	-82.3	5.4	-277.2
	5-13	4522.7	-181.3	290.6	-89.6	6.2	-234.5
	5- 3	-2122.6	87.4	-796.8	-63.0	-2.6	-117.7

TENSI ONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	5-14	-222.5	0.0	65.4	249.7
	5-13	-130.6	0.5	0.0	130.6
	5- 3	15.9	0.0	106.3	184.7

PROGR. 110.

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso	5- 3	-3978.6	127.8	-796.8	-60.8	-2.6	-117.7
	5-13	831.4	-278.9	290.6	-87.4	6.2	-234.5

TENSI ONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	5- 3	-142.3	0.0	96.5	219.4
	5-13	-28.0	0.5	0.0	28.0
	5- 3	25.0	0.0	106.3	185.7

PROGR. 126.

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso	1- 1	-9520.6	48.1	-326.9	-108.4	-0.7	-485.2
	5-13	-2862.6	-376.6	290.6	-85.2	6.2	-234.5
	5- 3	-5831.8	168.1	-796.8	-58.6	-2.6	-117.7

TENSI ONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	1- 1	-281.2	0.0	39.6	289.4
	5-13	74.8	0.5	0.0	74.8
	5- 3	34.1	0.0	106.3	187.2

VERIFI CA STABI LI TA` :

Z	LO = 126.	Ro = 3.46	Im = 36.4	Ncr= 281988.7	al fa(c)=0.4900	ki=0.8563
Y	Lc = 126.	Ro = 0.43	Im = 291.0	Ncr= 4406.1	al fa(c)=0.4900	ki=0.0610
Caso	1- 1 - Nod	2 - Asse Y				
Ned	= -131.6	Mzeq = 27164.2	Myeq = 19.2	Ss = -879.1	( 0.260)	

ATTENZIONE : la snellezza supera il limite di 250.0  
 RETTANGOLARE\_S004 ( 4 ) stato limite ultimo - ASTA ( 299- 300) 58  
 0.

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso	1- 1	51893.0	-5687.8	-136.4	74.5	-92.2	-482.9
	5- 5	9718.4	-1215.6	-745.5	1.5	-20.0	-132.8

TENSI ONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	1- 1	2709.6	0.0	16.5	2709.7
	1- 1	-1437.3	-7.7	0.0	1437.4
	5- 5	-270.1	0.0	101.3	322.1

PROGR. 16.

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso	1- 1	44287.1	-4236.4	-136.4	77.4	-92.2	-482.9
	5- 5	7626.3	-900.3	-745.5	3.7	-20.0	-132.8

TENSI ONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	1- 1	2175.9	0.0	16.5	2176.1
	1- 1	-1225.9	-7.7	0.0	1226.0
	5- 5	-199.9	0.0	101.3	266.0

PROGR. 32.

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso	1- 1	36681.2	-2785.0	-136.4	80.2	-92.2	-482.9
	5- 5	5535.0	-584.9	-745.5	5.9	-20.0	-132.8

TENSI ONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	1- 1	1642.3	0.0	16.5	1642.5
	1- 1	-1014.5	-7.7	0.0	1014.6
	5- 5	-129.7	0.0	101.3	218.2

PROGR. 47.

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso	1- 1	29075.3	-1333.6	-136.4	83.1	-92.2	-482.9
	5- 5	3446.8	-269.5	-745.5	8.1	-20.0	-132.8

TENSI ONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	1- 1	1108.6	0.0	16.5	1109.0
	1- 1	-803.0	-7.7	0.0	803.1
	5- 5	-59.4	0.0	101.3	185.3

PROGR. 63.

SOLLECI TAZI ONI :		MZ	MY	MT	N	TZ	TY
Caso	1- 1	21469.3	117.8	-136.4	86.0	-92.2	-482.9
	5- 5	1376.7	41.9	-745.5	10.4	-20.0	-132.8

TENSI ONI (Sz= 0.00) :		Sx	Tz	Ty	Si
Caso	1- 1	627.3	0.0	16.5	628.0
	1- 1	-591.6	-7.7	0.0	591.7

5- 5 | si | 5 | Ty | 9. 9 | 0. 0 | 101. 3 | 175. 8 |  
-----  
PROGR. 79.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	13863. 4	1569. 2	-136. 4	88. 9	-92. 2	-482. 9
5- 5	-655. 8	360. 6	-745. 5	12. 6	-20. 0	-132. 8

TENSIONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	Si	738. 7	0. 0	16. 5
1- 1	si	7	Tz		-380. 2	-7. 7	0. 0
5- 5	si	5	Ty		80. 8	0. 0	101. 3
-----							
PROGR. 94.							

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	6257. 5	3020. 6	-136. 4	91. 8	-92. 2	-482. 9
5- 5	-2852. 3	676. 0	-745. 5	14. 8	-20. 0	-132. 8

TENSIONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	Si	850. 2	0. 0	16. 5
1- 1	si	7	Tz		-168. 7	-7. 7	0. 0
5- 5	si	5	Ty		151. 0	0. 0	101. 3
-----							
PROGR. 110.							

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1348. 4	4471. 9	-136. 4	94. 7	-92. 2	-482. 9
5- 5	-4947. 5	991. 4	-745. 5	17. 0	-20. 0	-132. 8

TENSIONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	1036. 5	0. 0	16. 5
1- 1	si	7	Tz		42. 7	-7. 7	0. 0
5- 5	si	5	Ty		221. 3	0. 0	101. 3
-----							
PROGR. 126.							

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-8954. 3	5923. 3	-136. 4	97. 6	-92. 2	-482. 9
5- 5	-7046. 2	1306. 7	-745. 5	19. 3	-20. 0	-132. 8

TENSIONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	1570. 5	0. 0	16. 5
1- 1	si	7	Tz		254. 2	-7. 7	0. 0
5- 5	si	5	Ty		291. 4	0. 0	101. 3
-----							
PROGR. 126.							

## VERIFI CA STABI LI TA` :

Z | LO = 126. | Ro = 3. 46 | Im = 36. 4 | Ncr= 281988. 7 | al fa(c )=0. 4900 | ki=0. 8563  
 Y | Lc = 126. | Ro = 0. 43 | Im = 291. 0 | Ncr= 4406. 1 | al fa(c )=0. 4900 | ki=0. 0610  
 Caso 5- 2 - Nodo 2 - Asse Y  
 Ned = -2. 6 | Mzeq = 11569. 7 | Myeq = 1104. 6 | Ss = -569. 4 ( 0. 168)

ATTENZIONE : la snellezza supera il limite di 250. 0  
 RETTANGOLARE\_S004 ( 4) stato limite ultimo - ASTA ( 297- 298) 59  
 -----  
 PROGR. 0.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	25941. 1	-6545. 4	-261. 1	-215. 2	-101. 6	-296. 6
4- 2	2662. 5	-1386. 8	-691. 2	-8. 8	-21. 1	-40. 2

TENSIONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	-2187. 1	0. 0	31. 6
1- 1	si	7	Tz		-732. 5	-8. 5	0. 0
4- 2	si	5	Ty		-308. 7	0. 0	87. 0
-----							
PROGR. 16.							

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	21268. 9	-4945. 1	-261. 1	-212. 3	-101. 6	-296. 6
4- 2	2023. 8	-1054. 8	-691. 2	-6. 6	-21. 1	-40. 2

TENSIONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	-1701. 5	0. 0	31. 6
1- 1	si	7	Tz		-602. 6	-8. 5	0. 0
4- 2	si	5	Ty		-234. 8	0. 0	87. 0
-----							
PROGR. 32.							

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	16596. 7	-3344. 8	-261. 1	-209. 4	-101. 6	-296. 6
4- 2	2107. 2	-722. 8	-691. 2	-4. 3	-21. 1	-40. 2

TENSIONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	-1215. 9	0. 0	31. 6
1- 1	si	7	Tz		-472. 7	-8. 5	0. 0
4- 2	si	5	Ty		-160. 9	0. 0	87. 0
-----							
PROGR. 47.							

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	11924. 5	-1744. 5	-261. 1	-206. 5	-101. 6	-296. 6
4- 2	1006. 0	-390. 8	-691. 2	-2. 1	-21. 1	-40. 2

TENSIONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	-730. 4	0. 0	31. 6
1- 1	si	7	Tz		-342. 7	-8. 5	0. 0
4- 2	si	5	Ty		-87. 0	0. 0	87. 0
-----							
PROGR. 63.							

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	7252. 3	-144. 2	-261. 1	-203. 6	-101. 6	-296. 6
4- 2	188. 0	-58. 4	-691. 2	0. 1	-21. 1	-40. 2

TENSIONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	-244. 8	0. 0	31. 6
1- 1	si	7	Tz		-212. 8	-8. 5	0. 0
4- 2	si	5	Ty		-13. 0	0. 0	87. 0
-----							
PROGR. 79.							

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	2580. 1	1456. 1	-261. 1	-200. 7	-101. 6	-296. 6
4- 2	-472. 1	273. 0	-691. 2	2. 3	-21. 1	-40. 2

TENSIONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	-406. 4	0. 0	31. 6
1- 1	si	7	Tz		-82. 8	-8. 5	0. 0
4- 2	si	5	Ty		60. 8	0. 0	87. 0
-----							
PROGR. 94.							

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		-2092. 1	3056. 4	-261. 1	-197. 8	-101. 6	-296. 6
4- 2		-1115. 3	605. 0	-691. 2	4. 6	-21. 1	-40. 2

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	-748. 3	0. 0	31. 6	750. 3
1- 1	si	7	Tz	47. 1	-8. 5	0. 0	49. 4
4- 2	si	5	Ty	134. 7	0. 0	87. 0	202. 1

PROGR. 110.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		-6764. 3	4656. 8	-261. 1	-194. 9	-101. 6	-296. 6
4- 2		-1758. 2	937. 0	-691. 2	6. 8	-21. 1	-40. 2

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	-1233. 6	0. 0	31. 6	1234. 8
1- 1	si	7	Tz	177. 1	-8. 5	0. 0	177. 7
4- 2	si	5	Ty	208. 6	0. 0	87. 0	257. 4

PROGR. 126.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		-11436. 5	6257. 1	-261. 1	-192. 0	-101. 6	-296. 6
4- 2		-2471. 0	1268. 9	-691. 2	9. 0	-21. 1	-40. 2

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	-1718. 8	0. 0	31. 6	1719. 7
1- 1	si	7	Tz	307. 0	-8. 5	0. 0	307. 4
4- 2	si	5	Ty	282. 5	0. 0	87. 0	320. 2

VERI FI CA STABI LI TA` :

Z LO = 126. Lc = 126. Ro = 3. 46 | Im = 36. 4 | Ncr= 281988. 7 | al fa(c) =0. 4900 | ki =0. 8563  
 Y Lc = 126. Ro = 0. 43 | Im = 291. 0 | Ncr= 4406. 1 | al fa(c) =0. 4900 | ki =0. 0610  
 Caso 5-16 - Nodo 1 - Asse Y  
 Ned = -312. 2 | Mzeq = 12480. 5 | Myeq = -2919. 6 | Ss = -1329. 6 ( 0. 393)

ATTENZIONE : la snellezza supera il limite di 250. 0  
 RETTANGOLARE\_S004 ( 4) stato limite ultimo - ASTA ( 7- 70) 83  
 0. PROGR.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		-65431. 4	-1113. 4	629. 8	3307. 6	-17. 8	488. 4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	2248. 7	0. 0	76. 2	2252. 6
1- 1	si	7	Tz	2001. 3	-1. 5	0. 0	2001. 3
1- 1	si	5	Ty	-63. 7	0. 0	-116. 9	212. 3

PROGR. 16.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		-57738. 8	-833. 0	629. 8	3310. 5	-17. 8	488. 4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	1972. 9	0. 0	76. 2	1977. 3
1- 1	si	7	Tz	1787. 8	-1. 5	0. 0	1787. 8
1- 1	si	5	Ty	-1. 2	0. 0	-116. 9	202. 6

PROGR. 32.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		-50046. 3	-552. 6	629. 8	3313. 4	-17. 8	488. 4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	1697. 1	0. 0	76. 2	1702. 2
1- 1	si	7	Tz	1574. 3	-1. 5	0. 0	1574. 3
1- 1	si	5	Ty	61. 3	0. 0	-116. 9	211. 6

PROGR. 47.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		-42353. 7	-272. 2	629. 8	3316. 3	-17. 8	488. 4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	1421. 2	0. 0	76. 2	1427. 3
1- 1	si	7	Tz	1360. 7	-1. 5	0. 0	1360. 7
1- 1	si	5	Ty	123. 7	0. 0	-116. 9	237. 4

PROGR. 63.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		-34661. 1	8. 2	629. 8	3319. 2	-17. 8	488. 4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	1149. 0	0. 0	76. 2	1156. 6
1- 1	si	7	Tz	1147. 2	-1. 5	0. 0	1147. 2
1- 1	si	5	Ty	186. 2	0. 0	-116. 9	275. 1

PROGR. 79.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		-26968. 6	288. 6	629. 8	3322. 1	-17. 8	488. 4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	997. 8	0. 0	76. 2	1006. 5
1- 1	si	7	Tz	933. 7	-1. 5	0. 0	933. 7
1- 1	si	5	Ty	248. 7	0. 0	-116. 9	320. 7

PROGR. 94.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		-19276. 0	569. 0	629. 8	3325. 0	-17. 8	488. 4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	846. 6	0. 0	76. 2	856. 8
1- 1	si	7	Tz	720. 2	-1. 5	0. 0	720. 2
1- 1	si	5	Ty	311. 2	0. 0	-116. 9	371. 3

PROGR. 110.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		-11583. 5	849. 4	629. 8	3327. 9	-17. 8	488. 4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	695. 4	0. 0	76. 2	707. 8
1- 1	si	7	Tz	506. 6	-1. 5	0. 0	506. 7
1- 1	si	5	Ty	373. 6	0. 0	-116. 9	425. 0

PROGR. 126.

SOLLECI TAZI ONI :												
Caso		MZ		MY		MT		N		TZ		TY
1- 1		0.0		1129.8		629.8		3330.8		-17.8		488.4
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massi		Sx		Tz		Ty		Si	
1- 1	si	1	Sx	Si	544.2		0.0		76.2		560.0	
1- 1	si	7	Tz		293.1		-1.5		0.0		293.1	
1- 1	si	5	Ty		436.1		0.0		-116.9		480.8	
ATTENZIONE : la snellezza supera il limite di 250.0												

VERIFICA STABILITA` : asta tesa per tutti i casi di carico.

CIRCOLARE\_S005 ( 5) stato limite ultimo - ASTA ( 51- 71) 84  
PROGR. 0.

SOLLECI TAZI ONI :												
Caso		MZ		MY		MT		N		TZ		TY
1- 1		0.0		0.0		0.0		2134.1		0.0		0.0
5-16		0.0		0.0		0.0		1007.7		0.0		0.0

TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massi		Sx		Tz		Ty		Si	
1- 1	si	1	Sx	Si	306.9		0.0		0.0		306.9	
5-16	si	9	Ty		144.9		0.0		0.0		144.9	

SOLLECI TAZI ONI :												
Caso		MZ		MY		MT		N		TZ		TY
1- 1		0.0		0.0		0.0		2138.9		0.0		0.0
5-16		0.0		0.0		0.0		1011.4		0.0		0.0

TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massi		Sx		Tz		Ty		Si	
1- 1	si	1	Sx	Si	307.6		0.0		0.0		307.6	
5-16	si	9	Ty		145.5		0.0		0.0		145.5	

SOLLECI TAZI ONI :												
Caso		MZ		MY		MT		N		TZ		TY
1- 1		0.0		0.0		0.0		2143.7		0.0		0.0
5-16		0.0		0.0		0.0		1015.1		0.0		0.0

TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massi		Sx		Tz		Ty		Si	
1- 1	si	11	Sx	Si	308.3		0.0		0.0		308.3	
5-16	si	9	Ty		146.0		0.0		0.0		146.0	

SOLLECI TAZI ONI :												
Caso		MZ		MY		MT		N		TZ		TY
1- 1		0.0		0.0		0.0		2148.5		0.0		0.0
5-16		0.0		0.0		0.0		1018.7		0.0		0.0

TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massi		Sx		Tz		Ty		Si	
1- 1	si	11	Sx	Si	309.0		0.0		0.0		309.0	
5-16	si	9	Ty		146.5		0.0		0.0		146.5	

SOLLECI TAZI ONI :												
Caso		MZ		MY		MT		N		TZ		TY
1- 1		0.0		0.0		0.0		2153.3		0.0		0.0
5-16		0.0		0.0		0.0		1022.4		0.0		0.0

TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massi		Sx		Tz		Ty		Si	
1- 1	si	10	Sx	Si	309.7		0.0		0.0		309.7	
5-16	si	9	Ty		147.1		0.0		0.0		147.1	

SOLLECI TAZI ONI :												
Caso		MZ		MY		MT		N		TZ		TY
1- 1		0.0		0.0		0.0		2158.1		0.0		0.0
5-16		0.0		0.0		0.0		1026.1		0.0		0.0

TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massi		Sx		Tz		Ty		Si	
1- 1	si	12	Sx	Si	310.4		0.0		0.0		310.4	
5-16	si	9	Ty		147.6		0.0		0.0		147.6	

SOLLECI TAZI ONI :												
Caso		MZ		MY		MT		N		TZ		TY
1- 1		0.0		0.0		0.0		2162.9		0.0		0.0
5-16		0.0		0.0		0.0		1029.8		0.0		0.0

TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massi		Sx		Tz		Ty		Si	
1- 1	si	11	Sx	Si	311.1		0.0		0.0		311.1	
5-16	si	9	Ty		148.1		0.0		0.0		148.1	

SOLLECI TAZI ONI :												
Caso		MZ		MY		MT		N		TZ		TY
1- 1		0.0		0.0		0.0		2167.6		0.0		0.0
5-16		0.0		0.0		0.0		1033.5		0.0		0.0

TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massi		Sx		Tz		Ty		Si	
1- 1	si	13	Sx	Si	311.8		0.0		0.0		311.8	
5-16	si	9	Ty		148.6		0.0		0.0		148.6	

SOLLECI TAZI ONI :												
Caso		MZ		MY		MT		N		TZ		TY
1- 1		0.0		0.0		0.0		2172.4		0.0		0.0
5-16		0.0		0.0		0.0		1037.2		0.0		0.0

TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massi		Sx		Tz		Ty		Si	
1- 1	si	12	Sx	Si	312.5		0.0		0.0		312.5	
5-16	si	9	Ty		149.2		0.0		0.0		149.2	

ATTENZIONE : la snellezza supera il limite di 250.0

VERIFICA STABILITA` : asta tesa per tutti i casi di carico.

CIRCOLARE\_S005 ( 5) stato limite ultimo - ASTA ( 56- 72) 85  
PROGR. 0.

SOLLECI TAZI ONI :												
Caso		MZ		MY		MT		N		TZ		TY
4- 8		0.0		0.0		0.0		231.6		0.0		0.0
5-10		0.0		0.0		0.0		199.5		0.0		0.0

TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massi		Sx		Tz		Ty		Si	
4- 8	si	1	Sx	Si	33.3		0.0		0.0		33.3	
5-10	si	1	Ty		28.7		0.0		0.0		28.7	

SOLLECI TAZI ONI :												
Caso		MZ		MY		MT		N		TZ		TY
4- 8		0.0		0.0		0.0		235.2		0.0		0.0

5-10	0.0	0.0	0.0	203.1	0.0	0.0
TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi	Sx	Tz	Ty
4-8	si	12	Sx	33.8	0.0	0.0
5-10	si	1	Ty	29.2	0.0	0.0

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
4-8	0.0	0.0	0.0	238.9	0.0	0.0
5-10	0.0	0.0	0.0	206.8	0.0	0.0

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi	Sx	Tz	Ty
4-8	si	12	Sx	34.4	0.0	0.0
5-10	si	1	Ty	29.7	0.0	0.0

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
4-8	0.0	0.0	0.0	242.6	0.0	0.0
5-10	0.0	0.0	0.0	210.5	0.0	0.0

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi	Sx	Tz	Ty
4-8	si	13	Sx	34.9	0.0	0.0
5-10	si	1	Ty	30.3	0.0	0.0

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
4-8	0.0	0.0	0.0	246.3	0.0	0.0
5-10	0.0	0.0	0.0	214.2	0.0	0.0

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi	Sx	Tz	Ty
4-8	si	13	Sx	35.4	0.0	0.0
5-10	si	1	Ty	30.8	0.0	0.0

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
4-8	0.0	0.0	0.0	250.0	0.0	0.0
5-10	0.0	0.0	0.0	217.9	0.0	0.0

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi	Sx	Tz	Ty
4-8	si	13	Sx	36.0	0.0	0.0
5-10	si	1	Ty	31.3	0.0	0.0

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
4-8	0.0	0.0	0.0	253.7	0.0	0.0
5-10	0.0	0.0	0.0	221.6	0.0	0.0

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi	Sx	Tz	Ty
4-8	si	13	Sx	36.5	0.0	0.0
5-10	si	1	Ty	31.9	0.0	0.0

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	0.0	0.0	258.2	0.0	0.0
5-10	0.0	0.0	0.0	225.2	0.0	0.0

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi	Sx	Tz	Ty
1-1	si	12	Sx	37.1	0.0	0.0
5-10	si	1	Ty	32.4	0.0	0.0

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	0.0	0.0	263.0	0.0	0.0
5-10	0.0	0.0	0.0	228.9	0.0	0.0

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi	Sx	Tz	Ty
1-1	si	12	Sx	37.8	0.0	0.0
5-10	si	1	Ty	32.9	0.0	0.0

VERIFICA STABILITA' :

Z	LO = 531.	Ro = 0.74	Im = 714.1	Ncr= 282.6	al fa(c) = 0.4900	ki = 0.0109
Y	Lc = 531.	Ro = 0.74	Im = 714.1	Ncr= 282.6	al fa(c) = 0.4900	ki = 0.0109
Caso 4-9 - Nodo 13 - Asse Z						
Ned =	-17.1	Mzeq =	0.0	Myeq =	0.0	Ss = -226.1 ( 0.067)

ATTENZIONE : la snellezza supera il limite di 250.0 stato limite ultimo - ASTA ( 52- 73) 86  
 CIRCOLARE\_S005 ( 5) ----- PROGR. 0.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	0.0	0.0	296.2	0.0	0.0
5-10	0.0	0.0	0.0	130.7	0.0	0.0

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi	Sx	Tz	Ty
1-1	si	1	Sx	42.6	0.0	0.0
5-10	si	1	Ty	18.8	0.0	0.0

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	0.0	0.0	301.0	0.0	0.0
5-10	0.0	0.0	0.0	134.4	0.0	0.0

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi	Sx	Tz	Ty
1-1	si	13	Sx	43.3	0.0	0.0
5-10	si	1	Ty	19.3	0.0	0.0

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	0.0	0.0	305.8	0.0	0.0
5-10	0.0	0.0	0.0	138.0	0.0	0.0

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi	Sx	Tz	Ty
1-1	si	11	Sx	44.0	0.0	0.0
5-10	si	1	Ty	19.9	0.0	0.0

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	0.0	0.0	310.6	0.0	0.0
5-10	0.0	0.0	0.0	141.7	0.0	0.0

TENSIONI (Sz=0.00) :						
Caso	Ve	No	massi	Sx	Tz	Ty
1-1	si	11	Sx	44.0	0.0	0.0
5-10	si	1	Ty	19.9	0.0	0.0



1-1	si	12	Sx	Si	44.7	0.0	0.0	44.7		
5-10	si	1		Ty	20.4	0.0	0.0	20.4		
----- PROGR. 266.										

SOLLECI TAZI ONI :

Caso					MZ	MY	MT	N	TZ	TY
1-1					0.0	0.0	0.0	315.3	0.0	0.0
5-10					0.0	0.0	0.0	145.4	0.0	0.0

TENSIONI (Sz=0.00) :

Caso	Ve	No	massi	Si	Sx	Tz	Ty	Si		
1-1	si	12	Sx	Si	45.4	0.0	0.0	45.4		
5-10	si	1		Ty	20.9	0.0	0.0	20.9		
----- PROGR. 332.										

SOLLECI TAZI ONI :

Caso					MZ	MY	MT	N	TZ	TY
1-1					0.0	0.0	0.0	320.1	0.0	0.0
5-10					0.0	0.0	0.0	149.1	0.0	0.0

TENSIONI (Sz=0.00) :

Caso	Ve	No	massi	Si	Sx	Tz	Ty	Si		
1-1	si	12	Sx	Si	46.0	0.0	0.0	46.0		
5-10	si	1		Ty	21.4	0.0	0.0	21.4		
----- PROGR. 398.										

SOLLECI TAZI ONI :

Caso					MZ	MY	MT	N	TZ	TY
1-1					0.0	0.0	0.0	324.9	0.0	0.0
5-10					0.0	0.0	0.0	152.8	0.0	0.0

TENSIONI (Sz=0.00) :

Caso	Ve	No	massi	Si	Sx	Tz	Ty	Si		
1-1	si	12	Sx	Si	46.7	0.0	0.0	46.7		
5-10	si	1		Ty	22.0	0.0	0.0	22.0		
----- PROGR. 465.										

SOLLECI TAZI ONI :

Caso					MZ	MY	MT	N	TZ	TY
1-1					0.0	0.0	0.0	329.7	0.0	0.0
5-10					0.0	0.0	0.0	156.5	0.0	0.0

TENSIONI (Sz=0.00) :

Caso	Ve	No	massi	Si	Sx	Tz	Ty	Si		
1-1	si	12	Sx	Si	47.4	0.0	0.0	47.4		
5-10	si	1		Ty	22.5	0.0	0.0	22.5		
----- PROGR. 531.										

SOLLECI TAZI ONI :

Caso					MZ	MY	MT	N	TZ	TY
1-1					0.0	0.0	0.0	334.5	0.0	0.0
5-10					0.0	0.0	0.0	160.1	0.0	0.0

TENSIONI (Sz=0.00) :

Caso	Ve	No	massi	Si	Sx	Tz	Ty	Si		
1-1	si	12	Sx	Si	48.1	0.0	0.0	48.1		
5-10	si	1		Ty	23.0	0.0	0.0	23.0		

ATTENZIONE : la snellezza supera il limite di 250.0

-----  
VERIFICA STABILITA' : asta tesa per tutti i casi di carico.CIRCOLARE\_S005 ( 5) stato limite ultimo - ASTA ( 70- 74) 87  
----- PROGR. 0.

SOLLECI TAZI ONI :

Caso					MZ	MY	MT	N	TZ	TY
1-1					0.0	0.0	0.0	3800.1	0.0	0.0
5-10					0.0	0.0	0.0	1502.4	0.0	0.0

TENSIONI (Sz=0.00) :

Caso	Ve	No	massi	Si	Sx	Tz	Ty	Si		
1-1	si	1	Sx	Si	546.6	0.0	0.0	546.6		
5-10	si	9		Ty	216.1	0.0	0.0	216.1		
----- PROGR. 66.										

SOLLECI TAZI ONI :

Caso					MZ	MY	MT	N	TZ	TY
1-1					0.0	0.0	0.0	3804.9	0.0	0.0
5-10					0.0	0.0	0.0	1506.1	0.0	0.0

TENSIONI (Sz=0.00) :

Caso	Ve	No	massi	Si	Sx	Tz	Ty	Si		
1-1	si	1	Sx	Si	547.2	0.0	0.0	547.2		
5-10	si	9		Ty	216.6	0.0	0.0	216.6		
----- PROGR. 133.										

SOLLECI TAZI ONI :

Caso					MZ	MY	MT	N	TZ	TY
1-1					0.0	0.0	0.0	3809.7	0.0	0.0
5-10					0.0	0.0	0.0	1509.8	0.0	0.0

TENSIONI (Sz=0.00) :

Caso	Ve	No	massi	Si	Sx	Tz	Ty	Si		
1-1	si	1	Sx	Si	547.9	0.0	0.0	547.9		
5-10	si	9		Ty	217.1	0.0	0.0	217.1		
----- PROGR. 199.										

SOLLECI TAZI ONI :

Caso					MZ	MY	MT	N	TZ	TY
1-1					0.0	0.0	0.0	3814.5	0.0	0.0
5-10					0.0	0.0	0.0	1513.5	0.0	0.0

TENSIONI (Sz=0.00) :

Caso	Ve	No	massi	Si	Sx	Tz	Ty	Si		
1-1	si	1	Sx	Si	548.6	0.0	0.0	548.6		
5-10	si	9		Ty	217.7	0.0	0.0	217.7		
----- PROGR. 266.										

SOLLECI TAZI ONI :

Caso					MZ	MY	MT	N	TZ	TY
1-1					0.0	0.0	0.0	3819.3	0.0	0.0
5-10					0.0	0.0	0.0	1517.2	0.0	0.0

TENSIONI (Sz=0.00) :

Caso	Ve	No	massi	Si	Sx	Tz	Ty	Si		
1-1	si	1	Sx	Si	549.3	0.0	0.0	549.3		
5-10	si	9		Ty	218.2	0.0	0.0	218.2		
----- PROGR. 332.										

SOLLECI TAZI ONI :

Caso					MZ	MY	MT	N	TZ	TY
1-1					0.0	0.0	0.0	3824.0	0.0	0.0
5-10					0.0	0.0	0.0	1520.8	0.0	0.0

TENSIONI (Sz=0.00) :

Caso	Ve	No	massi	Si	Sx	Tz	Ty	Si		
1-1	si	1	Sx	Si	550.0	0.0	0.0	550.0		
5-10	si	9		Ty	218.7	0.0	0.0	218.7		
----- PROGR. 398.										

SOLLECI TAZI ONI :

Caso					MZ	MY	MT	N	TZ	TY
1-1					0.0	0.0	0.0	3828.8	0.0	0.0
5-10					0.0	0.0	0.0	1524.5	0.0	0.0

TENSIONI (Sz=0.00) :

Caso	Ve	No	massi	Si	Sx	Tz	Ty	Si		
------	----	----	-------	----	----	----	----	----	--	--

1-1	si	1	Sx	Si	550.7	0.0	0.0	550.7		
5-10	si	9	Ty	Ty	219.3	0.0	0.0	219.3		

PROGR.

465.

## SOLLECI TAZI ONI :

Caso				MZ	0.0	MY	0.0	MT	0.0	N	3833.6	TZ	0.0	TY	0.0
1-1					0.0		0.0		0.0		1528.2		0.0		0.0
5-10					0.0		0.0		0.0				0.0		0.0

TENSIONI (Sz=0.00) :

Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si	551.4	0.0	0.0	551.4			
1-1	si	1	Sx	Si	551.4	0.0	0.0	219.8				219.8			
5-10	si	9	Ty	Ty	219.8	0.0	0.0								

PROGR.

531.

## SOLLECI TAZI ONI :

Caso				MZ	0.0	MY	0.0	MT	0.0	N	3838.4	TZ	0.0	TY	0.0
1-1					0.0		0.0		0.0		1531.9		0.0		0.0
5-10					0.0		0.0		0.0				0.0		0.0

TENSIONI (Sz=0.00) :

Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si	552.1	0.0	0.0	552.1			
1-1	si	1	Sx	Si	552.1	0.0	0.0	220.3				220.3			
5-10	si	9	Ty	Ty	220.3	0.0	0.0								

ATTENZIONE : la snellezza supera il limite di 250.0

VERIFICA STABILITA' : asta tesa per tutti i casi di carico.

CIRCOLARE\_S005 ( 5) stato limite ultimo - ASTA ( 58- 75) 88

PROGR.

0.

## SOLLECI TAZI ONI :

Caso				MZ	0.0	MY	0.0	MT	0.0	N	3791.9	TZ	0.0	TY	0.0
1-1					0.0		0.0		0.0		2333.5		0.0		0.0
5-10					0.0		0.0		0.0				0.0		0.0

TENSIONI (Sz=0.00) :

Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si	545.4	0.0	0.0	545.4			
1-1	si	1	Sx	Si	545.4	0.0	0.0	335.6				335.6			
5-10	si	9	Ty	Ty	335.6	0.0	0.0								

PROGR.

47.

## SOLLECI TAZI ONI :

Caso				MZ	0.0	MY	0.0	MT	0.0	N	3795.2	TZ	0.0	TY	0.0
1-1					0.0		0.0		0.0		2336.1		0.0		0.0
5-10					0.0		0.0		0.0				0.0		0.0

TENSIONI (Sz=0.00) :

Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si	545.8	0.0	0.0	545.8			
1-1	si	1	Sx	Si	545.8	0.0	0.0	336.0				336.0			
5-10	si	9	Ty	Ty	336.0	0.0	0.0								

PROGR.

93.

## SOLLECI TAZI ONI :

Caso				MZ	0.0	MY	0.0	MT	0.0	N	3798.6	TZ	0.0	TY	0.0
1-1					0.0		0.0		0.0		2338.7		0.0		0.0
5-10					0.0		0.0		0.0				0.0		0.0

TENSIONI (Sz=0.00) :

Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si	546.3	0.0	0.0	546.3			
1-1	si	1	Sx	Si	546.3	0.0	0.0	336.4				336.4			
5-10	si	9	Ty	Ty	336.4	0.0	0.0								

PROGR.

140.

## SOLLECI TAZI ONI :

Caso				MZ	0.0	MY	0.0	MT	0.0	N	3801.9	TZ	0.0	TY	0.0
1-1					0.0		0.0		0.0		2341.2		0.0		0.0
5-10					0.0		0.0		0.0				0.0		0.0

TENSIONI (Sz=0.00) :

Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si	546.8	0.0	0.0	546.8			
1-1	si	13	Sx	Si	546.8	0.0	0.0	336.7				336.7			
5-10	si	9	Ty	Ty	336.7	0.0	0.0								

PROGR.

186.

## SOLLECI TAZI ONI :

Caso				MZ	0.0	MY	0.0	MT	0.0	N	3805.3	TZ	0.0	TY	0.0
1-1					0.0		0.0		0.0		2343.8		0.0		0.0
5-10					0.0		0.0		0.0				0.0		0.0

TENSIONI (Sz=0.00) :

Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si	547.3	0.0	0.0	547.3			
1-1	si	12	Sx	Si	547.3	0.0	0.0	337.1				337.1			
5-10	si	9	Ty	Ty	337.1	0.0	0.0								

PROGR.

233.

## SOLLECI TAZI ONI :

Caso				MZ	0.0	MY	0.0	MT	0.0	N	3808.7	TZ	0.0	TY	0.0
1-1					0.0		0.0		0.0		2346.4		0.0		0.0
5-10					0.0		0.0		0.0				0.0		0.0

TENSIONI (Sz=0.00) :

Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si	547.8	0.0	0.0	547.8			
1-1	si	9	Sx	Si	547.8	0.0	0.0	337.5				337.5			
5-10	si	9	Ty	Ty	337.5	0.0	0.0								

PROGR.

279.

## SOLLECI TAZI ONI :

Caso				MZ	0.0	MY	0.0	MT	0.0	N	3812.0	TZ	0.0	TY	0.0
1-1					0.0		0.0		0.0		2349.0		0.0		0.0
5-10					0.0		0.0		0.0				0.0		0.0

TENSIONI (Sz=0.00) :

Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si	548.3	0.0	0.0	548.3			
1-1	si	8	Sx	Si	548.3	0.0	0.0	337.8				337.8			
5-10	si	9	Ty	Ty	337.8	0.0	0.0								

PROGR.

326.

## SOLLECI TAZI ONI :

Caso				MZ	0.0	MY	0.0	MT	0.0	N	3815.4	TZ	0.0	TY	0.0
1-1					0.0		0.0		0.0		2351.6		0.0		0.0
5-10					0.0		0.0		0.0				0.0		0.0

TENSIONI (Sz=0.00) :

Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si	548.7	0.0	0.0	548.7			
1-1	si	11	Sx	Si	548.7	0.0	0.0	338.2				338.2			
5-10	si	9	Ty	Ty	338.2	0.0	0.0								

PROGR.

373.

## SOLLECI TAZI ONI :

Caso				MZ	0.0	MY	0.0	MT	0.0	N	3818.7	TZ	0.0	TY	0.0
1-1					0.0		0.0		0.0		2354.2		0.0		0.0
5-10					0.0		0.0		0.0				0.0		0.0

TENSIONI (Sz=0.00) :

Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si	549.2	0.0	0.0	549.2			
1-1	si	10	Sx	Si	549.2	0.0	0.0	338.6				338.6			
5-10	si	9	Ty	Ty	338.6	0.0	0.0								

ATTENZIONE : la snellezza supera il limite di 250.0

VERIFICA STABILITA' : asta tesa per tutti i casi di carico.

CIRCOLARE\_S005 ( 5) stato limite ultimo - ASTA ( 63- 76) 89

PROGR.

0.

SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
4-10	0.0			0.0	0.0	1338.6	0.0	0.0	
5-10	0.0			0.0	0.0	488.7	0.0	0.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
4-10	si	1	Sx	Si	192.5	0.0	0.0	192.5	
5-10	si	1	Ty		70.3	0.0	0.0	70.3	
-----									PROGR. 47.
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
4-10	0.0			0.0	0.0	1341.2	0.0	0.0	
5-10	0.0			0.0	0.0	491.3	0.0	0.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
4-10	si	1	Sx	Si	192.9	0.0	0.0	192.9	
5-10	si	1	Ty		70.7	0.0	0.0	70.7	
-----									PROGR. 93.
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
4-10	0.0			0.0	0.0	1343.8	0.0	0.0	
5-10	0.0			0.0	0.0	493.9	0.0	0.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
4-10	si	4	Sx	Si	193.3	0.0	0.0	193.3	
5-10	si	1	Ty		71.0	0.0	0.0	71.0	
-----									PROGR. 140.
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
4-10	0.0			0.0	0.0	1346.4	0.0	0.0	
5-10	0.0			0.0	0.0	496.5	0.0	0.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
4-10	si	3	Sx	Si	193.6	0.0	0.0	193.6	
5-10	si	1	Ty		71.4	0.0	0.0	71.4	
-----									PROGR. 186.
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
4-10	0.0			0.0	0.0	1349.0	0.0	0.0	
5-10	0.0			0.0	0.0	499.0	0.0	0.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
4-10	si	3	Sx	Si	194.0	0.0	0.0	194.0	
5-10	si	1	Ty		71.8	0.0	0.0	71.8	
-----									PROGR. 233.
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
4-10	0.0			0.0	0.0	1351.5	0.0	0.0	
5-10	0.0			0.0	0.0	501.6	0.0	0.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
4-10	si	2	Sx	Si	194.4	0.0	0.0	194.4	
5-10	si	1	Ty		72.1	0.0	0.0	72.1	
-----									PROGR. 279.
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
4-10	0.0			0.0	0.0	1354.1	0.0	0.0	
5-10	0.0			0.0	0.0	504.2	0.0	0.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
4-10	si	4	Sx	Si	194.8	0.0	0.0	194.8	
5-10	si	1	Ty		72.5	0.0	0.0	72.5	
-----									PROGR. 326.
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
4-10	0.0			0.0	0.0	1356.7	0.0	0.0	
5-10	0.0			0.0	0.0	506.8	0.0	0.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
4-10	si	4	Sx	Si	195.1	0.0	0.0	195.1	
5-10	si	1	Ty		72.9	0.0	0.0	72.9	
-----									PROGR. 373.
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
4-10	0.0			0.0	0.0	1359.3	0.0	0.0	
5-10	0.0			0.0	0.0	509.4	0.0	0.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
4-10	si	3	Sx	Si	195.5	0.0	0.0	195.5	
5-10	si	1	Ty		73.3	0.0	0.0	73.3	
ATTENZIONE : la snellezza supera il limite di 250.0									

VERIFICA STABILITA' : asta tesa per tutti i casi di carico.

CIRCOLARE_S005 ( 5) stato limite ultimo - ASTA ( 61- 77) 90									
-----									PROGR. 0.
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
5- 5	0.0			0.0	0.0	-176.9	0.0	0.0	
5-10	0.0			0.0	0.0	58.6	0.0	0.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
5- 5	si	1	Sx	Si	-25.4	0.0	0.0	25.4	
5-10	si	1	Ty		8.4	0.0	0.0	8.4	
-----									PROGR. 47.
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
5- 5	0.0			0.0	0.0	-174.3	0.0	0.0	
5-10	0.0			0.0	0.0	61.1	0.0	0.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
5- 5	si	13	Sx	Si	-25.1	0.0	0.0	25.1	
5-10	si	1	Ty		8.8	0.0	0.0	8.8	
-----									PROGR. 93.
SOLLECI TAZI ONI :									
Caso	MZ			MY	MT	N	TZ	TY	
5- 5	0.0			0.0	0.0	-171.7	0.0	0.0	
5-10	0.0			0.0	0.0	63.7	0.0	0.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
5- 5	si	12	Sx	Si	-24.7	0.0	0.0	24.7	
5-10	si	1	Ty		9.2	0.0	0.0	9.2	
-----									PROGR. 140.

SOLLECI TAZI ONI :													
Caso		MZ		MY		MT		N		TZ		TY	
5- 5		0.0		0.0		0.0		-169.1		0.0		0.0	
5-10		0.0		0.0		0.0		66.3		0.0		0.0	
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massi		Sx		Tz		Ty		Si		
5- 5	si	13	Sx	Si	-24.3		0.0		0.0		24.3		
5-10	si	1		Ty	9.5		0.0		0.0		9.5		
----- PROGR.													
186.													
SOLLECI TAZI ONI :													
Caso		MZ		MY		MT		N		TZ		TY	
5- 5		0.0		0.0		0.0		-166.6		0.0		0.0	
5-10		0.0		0.0		0.0		68.9		0.0		0.0	
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massi		Sx		Tz		Ty		Si		
5- 5	si	13	Sx	Si	-24.0		0.0		0.0		24.0		
5-10	si	1		Ty	9.9		0.0		0.0		9.9		
----- PROGR.													
233.													
SOLLECI TAZI ONI :													
Caso		MZ		MY		MT		N		TZ		TY	
5- 5		0.0		0.0		0.0		-164.0		0.0		0.0	
5-10		0.0		0.0		0.0		71.5		0.0		0.0	
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massi		Sx		Tz		Ty		Si		
5- 5	si	13	Sx	Si	-23.6		0.0		0.0		23.6		
5-10	si	1		Ty	10.3		0.0		0.0		10.3		
----- PROGR.													
279.													
SOLLECI TAZI ONI :													
Caso		MZ		MY		MT		N		TZ		TY	
5- 5		0.0		0.0		0.0		-161.4		0.0		0.0	
5-10		0.0		0.0		0.0		74.1		0.0		0.0	
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massi		Sx		Tz		Ty		Si		
5- 5	si	13	Sx	Si	-23.2		0.0		0.0		23.2		
5-10	si	1		Ty	10.7		0.0		0.0		10.7		
----- PROGR.													
326.													
SOLLECI TAZI ONI :													
Caso		MZ		MY		MT		N		TZ		TY	
5- 5		0.0		0.0		0.0		-158.8		0.0		0.0	
5-10		0.0		0.0		0.0		76.7		0.0		0.0	
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massi		Sx		Tz		Ty		Si		
5- 5	si	13	Sx	Si	-22.8		0.0		0.0		22.8		
5-10	si	1		Ty	11.0		0.0		0.0		11.0		
----- PROGR.													
373.													
SOLLECI TAZI ONI :													
Caso		MZ		MY		MT		N		TZ		TY	
5- 5		0.0		0.0		0.0		-156.2		0.0		0.0	
5-10		0.0		0.0		0.0		79.2		0.0		0.0	
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massi		Sx		Tz		Ty		Si		
5- 5	si	13	Sx	Si	-22.5		0.0		0.0		22.5		
5-10	si	1		Ty	11.4		0.0		0.0		11.4		
----- PROGR.													
373.													
-----													
VERI FI CA STABI LI TA` :													
Z	LO =	373.		Ro =	0.74	Im =	500.9	Ncr =	574.3	al fa(c) =	0.4900	ki =	0.0217
Y	Lc =	373.		Ro =	0.74	Im =	500.9	Ncr =	574.3	al fa(c) =	0.4900	ki =	0.0217
Caso 5- 5 -	Nodo 13 - Asse Z												
Ned =	-176.9			Mzeq =	0.0	Myeq =	0.0	Ss =	-1174.5	(	0.347)		
ATTENZIONE : la snellezza supera il limite di 250.0													
CIRCOLARE_S005 ( 5) stato limite ultimo - ASTA ( 59- 78) 91													
----- PROGR.													
0.													
SOLLECI TAZI ONI :													
Caso		MZ		MY		MT		N		TZ		TY	
1- 1		0.0		0.0		0.0		-447.5		0.0		0.0	
5-10		0.0		0.0		0.0		-188.4		0.0		0.0	
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massi		Sx		Tz		Ty		Si		
1- 1	si	1	Sx	Si	-64.4		0.0		0.0		64.4		
5-10	si	1		Ty	-27.1		0.0		0.0		27.1		
----- PROGR.													
47.													
SOLLECI TAZI ONI :													
Caso		MZ		MY		MT		N		TZ		TY	
1- 1		0.0		0.0		0.0		-444.2		0.0		0.0	
5-10		0.0		0.0		0.0		-185.8		0.0		0.0	
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massi		Sx		Tz		Ty		Si		
1- 1	si	4	Sx	Si	-63.9		0.0		0.0		63.9		
5-10	si	1		Ty	-26.7		0.0		0.0		26.7		
----- PROGR.													
93.													
SOLLECI TAZI ONI :													
Caso		MZ		MY		MT		N		TZ		TY	
1- 1		0.0		0.0		0.0		-440.8		0.0		0.0	
5-10		0.0		0.0		0.0		-183.2		0.0		0.0	
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massi		Sx		Tz		Ty		Si		
1- 1	si	5	Sx	Si	-63.4		0.0		0.0		63.4		
5-10	si	1		Ty	-26.4		0.0		0.0		26.4		
----- PROGR.													
140.													
SOLLECI TAZI ONI :													
Caso		MZ		MY		MT		N		TZ		TY	
1- 1		0.0		0.0		0.0		-437.5		0.0		0.0	
5-10		0.0		0.0		0.0		-180.7		0.0		0.0	
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massi		Sx		Tz		Ty		Si		
1- 1	si	5	Sx	Si	-62.9		0.0		0.0		62.9		
5-10	si	1		Ty	-26.0		0.0		0.0		26.0		
----- PROGR.													
186.													
SOLLECI TAZI ONI :													
Caso		MZ		MY		MT		N		TZ		TY	
1- 1		0.0		0.0		0.0		-434.1		0.0		0.0	
5-10		0.0		0.0		0.0		-178.1		0.0		0.0	
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massi		Sx		Tz		Ty		Si		
1- 1	si	5	Sx	Si	-62.4		0.0		0.0		62.4		
5-10	si	1		Ty	-25.6		0.0		0.0		25.6		
----- PROGR.													
233.													
SOLLECI TAZI ONI :													
Caso		MZ		MY		MT		N		TZ		TY	
1- 1		0.0		0.0		0.0		-430.7		0.0		0.0	
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massi		Sx		Tz		Ty		Si		
1- 1	si	5	Sx	Si	-62.4		0.0		0.0		62.4		
5-10	si	1		Ty	-25.6		0.0		0.0		25.6		
----- PROGR.													
233.													

5-10						0.0	0.0	0.0	-175.5	0.0	0.0
TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massi mi			Sx	Tz	Ty	Si		
1-1	si	5	Sx	Si		-62.0	0.0	0.0	62.0		
5-10	si	1	Ty			-25.2	0.0	0.0	25.2		

----- PROGR. 279.

SOLLECCI TAZI ONI :											
Caso			MZ	MY	MT	N	TZ	TY			
1-1			0.0	0.0	0.0	-427.4	0.0	0.0			
5-10			0.0	0.0	0.0	-172.9	0.0	0.0			

TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massi mi			Sx	Tz	Ty	Si		
1-1	si	5	Sx	Si		-61.5	0.0	0.0	61.5		
5-10	si	1	Ty			-24.9	0.0	0.0	24.9		

----- PROGR. 326.

SOLLECCI TAZI ONI :											
Caso			MZ	MY	MT	N	TZ	TY			
1-1			0.0	0.0	0.0	-424.0	0.0	0.0			
5-10			0.0	0.0	0.0	-170.3	0.0	0.0			

TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massi mi			Sx	Tz	Ty	Si		
1-1	si	5	Sx	Si		-61.0	0.0	0.0	61.0		
5-10	si	1	Ty			-24.5	0.0	0.0	24.5		

----- PROGR. 373.

SOLLECCI TAZI ONI :											
Caso			MZ	MY	MT	N	TZ	TY			
1-1			0.0	0.0	0.0	-420.7	0.0	0.0			
5-10			0.0	0.0	0.0	-167.7	0.0	0.0			

TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massi mi			Sx	Tz	Ty	Si		
1-1	si	5	Sx	Si		-60.5	0.0	0.0	60.5		
5-10	si	1	Ty			-24.1	0.0	0.0	24.1		

----- VERIFICA STABILITA' :

Z LO = 373. | Ro = 0.74 | Im = 500.9 | Ncr= 574.3 | al fa(c) = 0.4900 | ki = 0.0217  
 Y Lc = 373. | Ro = 0.74 | Im = 500.9 | Ncr= 574.3 | al fa(c) = 0.4900 | ki = 0.0217  
 Caso 1-1 - Nodo 3 - Asse Z  
 Ned = -447.5 | Mzeq = 0.0 | Myeq = 0.0 | Ss = -2971.6 ( 0.879)

ATTENZIONE : la snellezza supera il limite di 250.0  
 CASSONE\_S006 ( 6 ) stato limite ultimo - ASTA ( 31- 33) 92  
 ----- PROGR. 0.

SOLLECCI TAZI ONI :											
Caso			MZ	MY	MT	N	TZ	TY			
5-10			-205.0	3342.1	5327.5	-43.2	-51.2	83.1			
TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massi mi			Sx	Tz	Ty	Si		
5-10	si	3	Sx	Si		-143.7	0.0	105.0	231.8		
5-10	si	13	Tz			104.5	-120.9	0.0	234.0		
5-10	si	9	Ty			138.7	0.0	-120.6	250.8		
5-10	si	12		Si		-143.5	0.0	-120.6	253.5		

----- PROGR. 17.

SOLLECCI TAZI ONI :											
Caso			MZ	MY	MT	N	TZ	TY			
1-1			2944.2	4797.1	3120.0	-92.2	-130.1	179.7			
5-10			1120.6	4032.9	5327.5	-42.1	-31.0	81.0			

TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massi mi			Sx	Tz	Ty	Si		
1-1	si	2	Sx	Si		-253.2	0.0	61.5	274.7		
5-10	si	13	Tz			103.2	-115.4	0.0	224.9		
5-10	si	9	Ty			146.1	0.0	-115.5	247.7		
1-1	si	10		Si		-249.9	0.0	88.4	293.1		

----- PROGR. 34.

SOLLECCI TAZI ONI :											
Caso			MZ	MY	MT	N	TZ	TY			
1-1			5934.8	6557.8	3120.0	-90.8	-79.8	176.9			
5-10			2468.2	4385.2	5327.5	-41.0	-10.9	78.9			

TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massi mi			Sx	Tz	Ty	Si		
1-1	si	2	Sx	Si		-376.9	0.0	61.5	391.6		
5-10	si	13	Tz			91.2	-109.9	0.0	211.0		
5-10	si	5	Ty			178.6	0.0	-112.0	263.6		
1-1	si	10		Si		-370.1	0.0	75.8	392.7		

----- PROGR. 50.

SOLLECCI TAZI ONI :											
Caso			MZ	MY	MT	N	TZ	TY			
1-1			8879.2	7474.7	3120.0	-89.5	-29.5	174.2			
5-10			3775.6	4400.0	5327.5	-40.0	9.2	76.8			

TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massi mi			Sx	Tz	Ty	Si		
1-1	si	2	Sx	Si		-464.9	0.0	61.5	476.9		
5-10	si	14	Tz			198.4	109.4	0.0	274.3		
5-10	si	5	Ty			179.2	0.0	-111.8	263.8		

----- PROGR. 67.

SOLLECCI TAZI ONI :											
Caso			MZ	MY	MT	N	TZ	TY			
1-1			11777.4	7547.9	3120.0	-88.1	20.8	171.4			
5-10			5046.4	4077.3	5327.5	-38.9	29.3	74.7			

TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massi mi			Sx	Tz	Ty	Si		
1-1	si	2	Sx	Si		-517.4	0.0	61.5	528.2		
5-10	si	14	Tz			210.2	114.8	0.0	289.3		
5-10	si	10	Ty			-250.8	0.0	-114.9	320.1		

----- PROGR. 84.

SOLLECCI TAZI ONI :											
Caso			MZ	MY	MT	N	TZ	TY			
1-1			14629.4	6777.3	3120.0	-86.7	71.1	168.7			
5-10			6281.3	3417.5	5327.5	-37.9	49.5	72.5			

TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massi mi			Sx	Tz	Ty	Si		
1-1	si	2	Sx	Si		-534.2	0.0	61.5	544.7		
5-10	si	14	Tz			210.9	120.2	0.0	296.3		
5-10	si	10	Ty			-243.2	0.0	-119.9	319.8		

----- PROGR. 101.

SOLLECCI TAZI ONI :											
Caso			MZ	MY	MT	N	TZ	TY			
1-1			17435.2	5163.0	3120.0	-85.3	121.4	165.9			
5-10			7480.4	2421.2	5327.5	-36.8	69.6	70.4			

TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massi mi			Sx	Tz	Ty	Si		
1-1	si	2	Sx	Si		-515.5	0.0	61.5	526.4		

5-10	si	14	Tz	200.6	125.6	0.0	295.9	
5-10	si	10	Ty	-221.2	0.0	-124.9	309.3	

----- PROGR. 117.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
1-1			20194.8	2704.9	3120.0	-83.9	171.7	163.2
5-12			6698.4	1175.6	5338.2	-24.6	89.1	50.9
5-10			8643.9	1094.4	5327.5	-35.7	89.7	68.3

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-461.2	0.0	61.5	473.4
5-12	si	7	Tz	-115.8	131.4	0.0	255.3
5-10	si	10	Ty	-184.9	0.0	-129.9	291.2
1-1	si	10	Si	-438.2	0.0	-110.2	478.0

----- PROGR. 134.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
1-1			22908.2	-596.9	3120.0	-82.6	222.0	160.4
5-12			7534.6	-514.7	5338.2	-23.5	109.2	48.8
5-10			9771.8	-606.9	5327.5	-34.7	109.8	66.2

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-420.6	0.0	61.5	433.8
5-12	si	7	Tz	-130.0	137.3	0.0	271.0
5-10	si	10	Ty	-132.7	0.0	-134.9	268.7
1-1	si	13	Si	-414.4	117.6	0.0	461.8

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VERI FICA STABI LI TA` :

Z | LO = 134. | Ro = 4.94 | Im = 27.2 | Ncr= 505488.2 | al fa(a) =0.2100 | ki =0.9641 |

Y | Lc = 134. | Ro = 1.64 | Im = 81.7 | Ncr= 55845.5 | al fa(a) =0.2100 | ki =0.6169 |

Caso 1- 1 - Nodo 2 - Asse Y

Ned = -93.6 | Mzeq = 17181.2 | Myeq = 6887.3 | Ss = -586.5 ( 0.173 )

CASSONE\_S006 ( 6 ) stato limite ultimo - ASTA ( 33- 51 ) 93

----- PROGR. 0.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
1-1			23476.8	2246.2	6397.5	150.3	37.8	-284.8

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	4	Sx	502.1	0.0	126.1	547.5
1-1	si	13	Tz	-323.3	143.3	0.0	407.6
1-1	si	5	Ty	101.0	0.0	151.4	280.9

----- PROGR. 11.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
1-1			20415.8	1668.9	6397.5	151.1	70.0	-286.5

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	4	Sx	426.0	0.0	126.1	478.7
1-1	si	13	Tz	-288.8	152.1	0.0	390.9
1-1	si	9	Ty	-248.3	0.0	153.2	363.4

----- PROGR. 21.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
1-1			17335.9	747.0	6397.5	152.0	102.1	-288.3

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	4	Sx	335.4	0.0	126.1	400.2
1-1	si	13	Tz	-264.6	160.8	0.0	384.2
1-1	si	9	Ty	-237.2	0.0	161.4	366.6
1-1	si	14	Si	327.7	146.5	0.0	414.5

----- PROGR. 32.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
1-1			14237.1	-519.4	6397.5	152.9	134.2	-290.1

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	3	Sx	273.1	0.0	126.1	349.7
1-1	si	13	Tz	-250.8	169.6	0.0	386.2
1-1	si	9	Ty	-239.9	0.0	169.5	379.2
1-1	si	16	Si	267.8	169.6	0.0	397.5

----- PROGR. 43.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
1-1			11119.4	-2130.2	6397.5	153.8	166.4	-291.8

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	3	Sx	286.4	0.0	126.1	360.1
1-1	si	13	Tz	-247.3	178.3	0.0	395.7
1-1	si	9	Ty	-256.6	0.0	177.7	400.8
1-1	si	12	Si	273.7	0.0	177.7	411.9

----- PROGR. 54.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
1-1			7982.9	-4085.6	6397.5	154.7	198.5	-293.6

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	3	Sx	313.5	0.0	126.1	382.0
1-1	si	13	Tz	-254.1	187.1	0.0	411.8
1-1	si	9	Ty	-287.2	0.0	185.9	431.5
1-1	si	12	Si	304.4	0.0	185.9	443.1

----- PROGR. 64.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
1-1			4827.5	-6385.5	6397.5	155.5	230.7	-295.3

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	3	Sx	354.4	0.0	126.1	416.3
1-1	si	13	Tz	-271.3	195.8	0.0	434.3
1-1	si	9	Ty	-331.7	0.0	194.1	472.2
1-1	si	12	Si	348.9	0.0	194.1	484.5

----- PROGR. 75.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
1-1			1653.3	-9029.8	6397.5	156.4	262.8	-297.1

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	3	Sx	409.3	0.0	126.1	463.9
1-1	si	13	Tz	-298.8	204.5	0.0	463.5
1-1	si	9	Ty	-390.0	0.0	202.3	524.3

1-1 | si | 12 | Si | 407.4 | 0.0 | 202.3 | 537.3 |  
-----  
PROGR. 86.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY	
1-1	-1539.9	-12018.7	6397.5	157.3	295.0	-298.9	
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	530.7	0.0	126.1	573.8
1-1	si	13	Tz	-336.7	213.3	0.0	499.8
1-1	si	9	Ty	-462.3	0.0	210.4	588.7
1-1	si	10	Si	528.9	0.0	-190.7	623.6

VERIFI CA STABI LI TA` : asta tesa per tutti i casi di carico.

CASSONE\_S006 ( 6 ) stato limite ultimo - ASTA ( 51- 56 ) 94  
-----  
PROGR. 0.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY	
1-1	-664.7	-12965.9	6274.7	20.8	-169.4	-184.6	
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	547.2	0.0	123.6	587.6
1-1	si	14	Tz	-411.2	-174.1	0.0	509.9
1-1	si	10	TySi	546.4	0.0	172.5	622.8

-----  
PROGR. 11.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY	
1-1	-2736.8	-11261.1	6274.7	20.8	-135.9	-186.6	
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	512.3	0.0	123.6	555.2
1-1	si	14	Tz	-393.9	-165.1	0.0	486.7
1-1	si	10	TySi	509.2	0.0	164.1	583.2

-----  
PROGR. 22.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY	
1-1	-4831.9	-9930.3	6274.7	20.8	-102.4	-188.7	
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	493.2	0.0	123.6	537.7
1-1	si	14	Tz	-388.5	-156.0	0.0	473.3
1-1	si	10	TySi	487.7	0.0	155.7	557.3

-----  
PROGR. 33.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY	
1-1	-6949.8	-8973.4	6274.7	20.8	-69.0	-190.7	
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	489.9	0.0	123.6	534.7
1-1	si	14	Tz	-395.1	-147.0	0.0	470.1
1-1	si	10	TySi	482.0	0.0	147.4	545.4

-----  
PROGR. 45.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY	
1-1	-9090.7	-8390.5	6274.7	20.8	-35.5	-192.8	
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	502.5	0.0	123.6	546.2
1-1	si	14	Tz	-413.7	-138.0	0.0	477.8
1-1	si	5	Ty	-344.8	0.0	140.8	422.3
1-1	si	10	Si	492.1	0.0	139.0	547.8

-----  
PROGR. 56.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY	
1-1	-11254.4	-8181.6	6274.7	20.8	-2.0	-194.8	
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	530.8	0.0	123.6	572.4
1-1	si	14	Tz	-444.2	-129.0	0.0	497.2
1-1	si	5	Ty	-336.2	0.0	140.9	415.5

-----  
PROGR. 67.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY	
1-1	-13441.0	-8346.7	6274.7	20.8	31.5	-196.9	
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	575.0	0.0	123.6	613.6
1-1	si	13	Tz	-27.4	137.0	0.0	238.9
1-1	si	5	Ty	-343.0	0.0	141.1	421.2

-----  
PROGR. 78.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY	
1-1	-15650.6	-8885.7	6274.7	20.8	65.0	-198.9	
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	635.0	0.0	123.6	670.1
1-1	si	13	Tz	-6.3	146.2	0.0	253.2
1-1	si	9	Ty	-115.7	0.0	146.6	279.1

-----  
PROGR. 89.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY	
1-1	-17883.0	-9798.7	6274.7	20.8	98.5	-201.0	
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	710.7	0.0	123.6	742.3
1-1	si	13	Tz	3.6	155.3	0.0	269.0
1-1	si	9	Ty	-117.8	0.0	155.2	293.4

-----  
PROGR. 96.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-15699.2	-12361.2	-8585.6	-275.9	-368.2	400.2
TENSI ONI (Sz= 0.00) :						

VERIFI CA STABI LI TA` :

Z | LO = 89. | Ro = 4.94 | Im = 18.1 | Ncr= 1140476.0 | al fa(a )=0.2100 | ki=0.9919  
Y | Lc = 89. | Ro = 1.64 | Im = 54.4 | Ncr= 125997.9 | al fa(a )=0.2100 | ki=0.8420  
Caso 4- 8 - Nodo 4 - Asse Y  
Ned = -4.3 | Mzeq = -5653.8 | Myeq = -6977.9 | Ss = -384.6 ( 0.114)

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1-1	si	4	Sx	-793.3	0.0	169.2	845.7		
1-1	si	13	Tz	-129.4	-278.7	0.0	499.8		
1-1	si	9	Ty	-274.7	0.0	-275.4	550.5		
1-1	si	11	Si	-775.4	0.0	249.0	887.2		
-----									
SOLLECI TAZI ONI : 11.									
Caso		MZ		MY	MT	N	TZ	TY	
1-1		-11491.1		-8647.4	-8585.6	-275.0	-336.6	398.5	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1-1	si	4	Sx	-568.2	0.0	169.2	639.3		
1-1	si	13	Tz	-86.4	-270.1	0.0	475.8		
1-1	si	9	Ty	-188.6	0.0	-267.4	500.0		
1-1	si	11	Si	-555.1	0.0	241.0	694.6		
-----									
SOLLECI TAZI ONI : 21.									
Caso		MZ		MY	MT	N	TZ	TY	
1-1		-7301.2		-5266.6	-8585.6	-274.2	-305.0	396.7	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1-1	si	4	Sx	-357.1	0.0	169.2	462.0		
1-1	si	13	Tz	-53.4	-261.5	0.0	456.1		
1-1	si	9	Ty	-116.0	0.0	-259.3	463.9		
1-1	si	11	Si	-348.8	0.0	233.1	533.6		
-----									
SOLLECI TAZI ONI : 32.									
Caso		MZ		MY	MT	N	TZ	TY	
1-1		-3129.6		-2219.0	-8585.6	-273.3	-273.4	395.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1-1	si	4	Sx	-160.2	0.0	169.2	333.9		
1-1	si	13	Tz	-30.3	-252.9	0.0	439.2		
1-1	si	9	Ty	-56.8	0.0	-251.3	438.9		
-----									
SOLLECI TAZI ONI : 42.									
Caso		MZ		MY	MT	N	TZ	TY	
4-7		-466.3		954.1	-2393.7	-220.6	-107.5	174.2	
1-1		1023.7		495.5	-8585.6	-272.4	-241.8	393.3	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
4-7	si	3	Sx	-59.6	0.0	47.2	101.1		
1-1	si	13	Tz	-17.3	-244.4	0.0	423.6		
1-1	si	9	Ty	-11.0	0.0	-243.2	421.4		
-----									
SOLLECI TAZI ONI : 53.									
Caso		MZ		MY	MT	N	TZ	TY	
1-1		5158.8		2876.9	-8585.6	-271.6	-210.2	391.6	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1-1	si	2	Sx	-221.9	0.0	169.2	367.5		
1-1	si	13	Tz	-14.2	-235.8	0.0	408.6		
1-1	si	9	Ty	21.3	0.0	-235.2	407.9		
1-1	si	10	Si	-216.0	0.0	209.3	422.0		
-----									
SOLLECI TAZI ONI : 63.									
Caso		MZ		MY	MT	N	TZ	TY	
1-1		9275.7		4925.1	-8585.6	-270.7	-178.6	389.8	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1-1	si	2	Sx	-376.6	0.0	169.2	477.2		
1-1	si	13	Tz	-21.2	-227.2	0.0	394.0		
1-1	si	9	Ty	40.2	0.0	-227.2	395.5		
1-1	si	10	Si	-366.0	0.0	201.4	505.6		
-----									
SOLLECI TAZI ONI : 74.									
Caso		MZ		MY	MT	N	TZ	TY	
1-1		13374.3		6640.3	-8585.6	-269.9	-147.0	388.1	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1-1	si	2	Sx	-517.3	0.0	169.2	594.5		
1-1	si	13	Tz	-38.1	-218.6	0.0	380.5		
1-1	si	9	Ty	45.6	0.0	-219.1	382.2		
1-1	si	10	Si	-502.1	0.0	193.5	603.6		
-----									
SOLLECI TAZI ONI : 84.									
Caso		MZ		MY	MT	N	TZ	TY	
1-1		17454.7		8022.3	-8585.6	-269.0	-115.3	386.4	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1-1	si	2	Sx	-644.0	0.0	169.2	707.5		
1-1	si	13	Tz	-65.0	-210.0	0.0	369.4		
1-1	si	9	Ty	37.6	0.0	-211.1	367.5		

VERI F I CA STABI LI TA` :

Z | LO = 84. | Ro = 4.94 | Im = 17.1 | Ncr= 1280356.3 | al fa(a )=0.2100 | ki=0.9949  
 Y | Lc = 84. | Ro = 1.64 | Im = 51.4 | Ncr= 141451.7 | al fa(a )=0.2100 | ki=0.8604  
 Caso 1-1 - Nodo 1 - Asse Y  
 Ned = -275.9 | Mzeq = 13091.0 | Myeq = -9270.9 | Ss = -624.6 ( 0.185)

CASSONE\_S006 ( 6) stato limite ultimo - ASTA ( 43- 46) 97  
 ----- PROGR. 0.

Caso		MZ		MY	MT	N	TZ	TY	
1-1		16356.6		7416.3	-8949.2	-146.7	-358.8	103.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1-1	si	2	Sx	-593.4	0.0	176.3	667.4		
1-1	si	7	Tz	-287.6	-281.8	0.0	566.4		
1-1	si	9	Ty	36.9	0.0	-270.4	469.7		
1-1	si	10	Si	-574.8	0.0	263.6	734.0		
-----									
SOLLECI TAZI ONI : 17.									
Caso		MZ		MY	MT	N	TZ	TY	
1-1		18061.1		12589.4	-8949.2	-145.4	-258.2	100.3	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1-1	si	2	Sx	-835.8	0.0	176.3	889.8		
1-1	si	7	Tz	-316.6	-252.2	0.0	539.5		
1-1	si	9	Ty	223.1	0.0	-244.9	479.2		
1-1	si	10	Si	-815.2	0.0	238.2	913.7		



-----								PROGR.	34.	
SOLLECI TAZI ONI :										
Caso	1- 1		MZ		MY	MT	N	TZ	TY	
			19719.3		16075.0	-8949.2	-144.0	-157.5	97.5	
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si			
1- 1	si	2	Sx Si	-1007.8	0.0	176.3	1053.0			
1- 1	si	7	Tz	-344.9	-222.6	0.0	517.3			
1- 1	si	9	Ty	340.5	0.0	-219.3	510.1			
-----								PROGR.	50.	
SOLLECI TAZI ONI :										
Caso	1- 1		MZ		MY	MT	N	TZ	TY	
			21331.3		17873.0	-8949.2	-142.6	-56.9	94.7	
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si			
1- 1	si	2	Sx Si	-1109.4	0.0	176.3	1150.7			
1- 1	si	13	Tz	180.4	-194.1	0.0	381.5			
1- 1	si	9	Ty	389.0	0.0	-193.8	513.8			
-----								PROGR.	67.	
SOLLECI TAZI ONI :										
Caso	1- 1		MZ		MY	MT	N	TZ	TY	
			22897.2		17983.6	-8949.2	-141.2	43.7	92.0	
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si			
1- 1	si	2	Sx Si	-1140.6	0.0	176.3	1180.8			
1- 1	si	14	Tz	939.5	190.4	0.0	995.8			
1- 1	si	10	Ty	-1114.5	0.0	-190.4	1162.3			
-----								PROGR.	84.	
SOLLECI TAZI ONI :										
Caso	1- 1		MZ		MY	MT	N	TZ	TY	
			24416.8		16406.7	-8949.2	-139.9	144.3	89.2	
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si			
1- 1	si	2	Sx Si	-1101.5	0.0	176.3	1143.0			
1- 1	si	7	Tz	-424.9	218.7	0.0	569.3			
1- 1	si	10	Ty	-1073.7	0.0	-215.7	1136.8			
-----								PROGR.	101.	
SOLLECI TAZI ONI :										
Caso	1- 1		MZ		MY	MT	N	TZ	TY	
			25890.2		13142.3	-8949.2	-138.5	245.0	86.5	
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si			
1- 1	si	2	Sx Si	-992.0	0.0	176.3	1037.9			
1- 1	si	7	Tz	-450.0	248.3	0.0	622.5			
1- 1	si	10	Ty	-962.5	0.0	-241.1	1049.1			
-----								PROGR.	117.	
SOLLECI TAZI ONI :										
Caso	1- 1		MZ		MY	MT	N	TZ	TY	
			27317.4		8190.3	-8949.2	-137.1	345.6	83.7	
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si			
1- 1	si	2	Sx Si	-812.1	0.0	176.3	867.6			
1- 1	si	7	Tz	-474.3	277.9	0.0	675.7			
1- 1	si	10	Ty	-780.9	0.0	-266.4	907.1			
-----								PROGR.	134.	
SOLLECI TAZI ONI :										
Caso	1- 1		MZ		MY	MT	N	TZ	TY	
			28698.3		1550.9	-8949.2	-135.7	446.2	81.0	
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si			
1- 1	si	2	Sx Si	-561.8	0.0	176.3	639.4			
1- 1	si	7	Tz	-497.8	307.4	0.0	729.0			
1- 1	si	10	Ty	-529.1	0.0	-291.7	731.6			
1- 1	si	15	Si	-545.8	299.1	0.0	752.5			
-----								PROGR.	117.	
SOLLECI TAZI ONI :										
Caso	1- 1		MZ		MY	MT	N	TZ	TY	
			27317.4		8190.3	-8949.2	-137.1	345.6	83.7	
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si			
1- 1	si	2	Sx Si	-812.1	0.0	176.3	867.6			
1- 1	si	7	Tz	-474.3	277.9	0.0	675.7			
1- 1	si	10	Ty	-780.9	0.0	-266.4	907.1			
-----								PROGR.	134.	
SOLLECI TAZI ONI :										
Caso	1- 1		MZ		MY	MT	N	TZ	TY	
			28698.3		1550.9	-8949.2	-135.7	446.2	81.0	
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si			
1- 1	si	2	Sx Si	-561.8	0.0	176.3	639.4			
1- 1	si	7	Tz	-497.8	307.4	0.0	729.0			
1- 1	si	10	Ty	-529.1	0.0	-291.7	731.6			
1- 1	si	15	Si	-545.8	299.1	0.0	752.5			
-----								PROGR.	117.	
VERIFI CA STABI LI TA` :										
Z	LO = 134.	Ro = 4.94	Im = 27.2	Ncr= 505488.2	al fa(a)=0.2100	ki=0.9641				
Y	Lc = 134.	Ro = 1.64	Im = 81.7	Ncr= 55845.5	al fa(a)=0.2100	ki=0.6169				
Caso 1- 1 - Nodo 2 - Asse Y										
Ned =	-146.7	Mzeq =	28698.3	Myeq =	17528.7	Ss =	-1228.4	( 0.363)		
CASSONE_S006 ( 6)	----- stato limite ultimo - ASTA ( 46- 58)							98		
-----								PROGR.	0.	
SOLLECI TAZI ONI :										
Caso	1- 1		MZ		MY	MT	N	TZ	TY	
			28694.7		9294.5	3936.7	82.6	-41.7	-356.2	
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si			
1- 1	si	4	Sx Si	878.1	0.0	77.6	888.3			
1- 1	si	14	Tz	782.3	-97.7	0.0	800.4			
1- 1	si	5	Ty	387.9	0.0	109.2	431.5			
-----								PROGR.	17.	
SOLLECI TAZI ONI :										
Caso	1- 1		MZ		MY	MT	N	TZ	TY	
			22618.4		9570.6	3936.7	84.0	9.2	-358.9	
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si			
1- 1	si	4	Sx Si	785.7	0.0	77.6	797.2			
1- 1	si	13	Tz	-85.8	89.0	0.0	176.3			
1- 1	si	5	Ty	399.3	0.0	109.5	442.1			
-----								PROGR.	34.	
SOLLECI TAZI ONI :										
Caso	1- 1		MZ		MY	MT	N	TZ	TY	
			16494.7		8980.2	3936.7	85.4	60.2	-361.7	
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si			
1- 1	si	4	Sx Si	656.9	0.0	77.6	670.5			
1- 1	si	13	Tz	0.7	102.8	0.0	178.1			
1- 1	si	5	Ty	375.1	0.0	109.7	420.5			
-----								PROGR.	51.	
SOLLECI TAZI ONI :										
Caso	1- 1		MZ		MY	MT	N	TZ	TY	
			10323.5		7523.5	3936.7	86.8	111.2	-364.5	
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si			
1- 1	si	4	Sx Si	491.4	0.0	77.6	509.5			
1- 1	si	13	Tz	61.1	116.7	0.0	211.2			
1- 1	si	9	Ty	150.5	0.0	117.7	253.4			
-----								PROGR.	68.	
SOLLECI TAZI ONI :										
Caso			MZ		MY	MT	N	TZ	TY	

1-1	TENSIONI (Sz=			4104.8	5200.4	3936.7	88.2	162.2	-367.3	
1-1	si	No	massimi	Sx	Tz	Ty	Si			
1-1	si	4	Sx	289.5	0.0	77.6	319.1			
1-1	si	13	Tz	95.6	130.6	0.0	245.5			
1-1	si	9	Ty	153.9	0.0	130.7	273.7			
1-1	si	11	Si	284.8	0.0	-106.4	339.2			
----- PROGR.										
1-1	SOLLECCI TAZI ONI :									
1-1	Case	MZ	MY	MT	N	TZ	TY			
1-1		-2515.9	1990.0	1802.0	90.2	69.9	-210.0			
1-1		-2161.2	2010.8	3936.7	89.6	213.2	-370.1			
1-1	TENSIONI (Sz=									0.00) :
1-1	Case	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	4	Sx	Si	130.1	0.0	35.5	143.9		
1-1	si	13	Tz	Si	104.1	144.4	0.0	271.0		
1-1	si	9	Ty	Si	122.4	0.0	143.6	277.3		
----- PROGR.										
1-1	SOLLECCI TAZI ONI :									
1-1	Case	MZ	MY	MT	N	TZ	TY			
1-1		-8474.8	-2045.1	3936.7	91.0	264.2	-372.9			
1-1	TENSIONI (Sz=									0.00) :
1-1	Case	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	2	Sx	Si	234.2	0.0	77.6	270.0		
1-1	si	13	Tz	Si	86.6	158.3	0.0	287.5		
1-1	si	9	Ty	Si	55.9	0.0	156.6	276.9		
1-1	si	15	Si	Si	213.1	139.8	0.0	322.6		
----- PROGR.										
1-1	SOLLECCI TAZI ONI :									
1-1	Case	MZ	MY	MT	N	TZ	TY			
1-1		-14835.8	-6967.5	3936.7	92.4	315.1	-375.7			
1-1	TENSIONI (Sz=									0.00) :
1-1	Case	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	2	Sx	Si	545.9	0.0	77.6	562.2		
1-1	si	13	Tz	Si	43.1	172.2	0.0	301.3		
1-1	si	9	Ty	Si	-45.6	0.0	169.6	297.2		
1-1	si	10	Si	Si	529.0	0.0	-144.8	585.4		
----- PROGR.										
1-1	SOLLECCI TAZI ONI :									
1-1	Case	MZ	MY	MT	N	TZ	TY			
1-1		-21244.2	-12756.2	3936.7	93.8	366.1	-378.5			
1-1	TENSIONI (Sz=									0.00) :
1-1	Case	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	2	Sx	Si	894.2	0.0	77.6	904.2		
1-1	si	13	Tz	Si	-26.4	186.0	0.0	323.3		
1-1	si	9	Ty	Si	-182.1	0.0	182.5	364.9		
1-1	si	10	Si	Si	870.0	0.0	-157.5	911.8		

VERI F I C A S T A B I L I T A ` :

Z	LO =	136.	Ro =	4.94	Im =	27.5	Ncr=	492273.4	al fa(a) =	0.2100	ki =	0.9630
Y	Lc =	136.	Ro =	1.64	Im =	82.8	Ncr=	54385.6	al fa(a) =	0.2100	ki =	0.6070
Case	4-8	-	Nodo	1-Asse	Y							
Ned			-49.0	Mzeq	=	10772.5	Myeq	=	-5523.2	Ss	=	-416.5 ( 0.123)

CASSONE\_S006 ( 6) stato limite ultimo - ASTA ( 58- 61) 99

1-1	SOLLECCI TAZI ONI :									
1-1	Case	MZ	MY	MT	N	TZ	TY			
1-1		-21009.3	-11822.8	14393.9	-81.4	-145.5	326.3			
1-1	TENSIONI (Sz=									0.00) :
1-1	Case	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	4	Sx	Si	-851.0	0.0	283.6	982.6		
1-1	si	13	Tz	Si	-11.2	-331.1	0.0	573.6		
1-1	si	9	Ty	Si	-157.1	0.0	-331.1	594.7		
1-1	si	11	Si	Si	-827.1	0.0	309.6	985.7		
----- PROGR.										
1-1	SOLLECCI TAZI ONI :									
1-1	Case	MZ	MY	MT	N	TZ	TY			
1-1		-18126.5	-10652.0	14393.9	-81.4	-118.9	324.7			
1-1	TENSIONI (Sz=									0.00) :
1-1	Case	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	4	Sx	Si	-753.5	0.0	283.6	899.5		
1-1	si	13	Tz	Si	-24.3	-323.8	0.0	561.4		
1-1	si	9	Ty	Si	-154.7	0.0	-324.4	582.8		
1-1	si	11	Si	Si	-732.8	0.0	302.9	901.3		
----- PROGR.										
1-1	SOLLECCI TAZI ONI :									
1-1	Case	MZ	MY	MT	N	TZ	TY			
1-1		-15258.1	-9716.6	14393.9	-81.4	-92.3	323.1			
1-1	TENSIONI (Sz=									0.00) :
1-1	Case	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	4	Sx	Si	-665.9	0.0	283.6	827.5		
1-1	si	13	Tz	Si	-44.4	-316.6	0.0	550.2		
1-1	si	9	Ty	Si	-161.9	0.0	-317.6	573.5		
----- PROGR.										
1-1	SOLLECCI TAZI ONI :									
1-1	Case	MZ	MY	MT	N	TZ	TY			
1-1		-12404.1	-9016.4	14393.9	-81.4	-65.8	321.4			
1-1	TENSIONI (Sz=									0.00) :
1-1	Case	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	4	Sx	Si	-588.2	0.0	283.6	766.4		
1-1	si	13	Tz	Si	-71.5	-309.4	0.0	540.6		
1-1	si	5	Ty	Si	-376.3	0.0	-312.2	658.8		
----- PROGR.										
1-1	SOLLECCI TAZI ONI :									
1-1	Case	MZ	MY	MT	N	TZ	TY			
1-1		-9564.5	-8551.6	14393.9	-81.4	-39.2	319.8			
1-1	TENSIONI (Sz=									0.00) :
1-1	Case	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	4	Sx	Si	-520.6	0.0	283.6	715.8		
1-1	si	13	Tz	Si	-105.6	-302.2	0.0	533.9		
1-1	si	5	Ty	Si	-357.2	0.0	-312.0	647.8		
----- PROGR.										
1-1	SOLLECCI TAZI ONI :									
1-1	Case	MZ	MY	MT	N	TZ	TY			
1-1		-6739.4	-8322.0	14393.9	-81.4	-12.6	318.2			
1-1	TENSIONI (Sz=									0.00) :
1-1	Case	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	4	Sx	Si	-462.8	0.0	283.6	674.9		
1-1	si	13	Tz	Si	-146.8	-294.9	0.0	531.5		
1-1	si	5	Ty	Si	-347.7	0.0	-311.9	642.4		



-----								PROGR.	78.
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			-8439.4	8972.5	6395.0	9.8	66.7	-174.0	
5- 7			-5625.2	-68.3	7637.5	-25.5	-51.3	-104.0	
TENSI ONI (Sz=	0.00)								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	514.7	0.0	126.0	559.1		
5- 7	si	14	Tz	-99.6	-166.9	0.0	305.8		
5- 7	si	10	Ty	91.1	0.0	166.9	303.1		
1- 1	si	9	Si	505.1	0.0	148.6	566.9		
-----								PROGR.	89.
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			-10394.0	8040.3	6395.0	9.8	100.2	-176.1	
5- 7			-6779.8	401.0	7637.5	-25.5	-37.9	-105.6	
TENSI ONI (Sz=	0.00)								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	509.7	0.0	126.0	554.4		
5- 7	si	14	Tz	-104.8	-163.4	0.0	301.7		
5- 7	si	10	Ty	90.2	0.0	163.5	297.3		
1- 1	si	9	Si	497.8	0.0	157.1	567.4		
-----								PROGR.	
VERI FICA STABI LI TA` :									
Z	LO =	89.							
Y	Lc =	89.	Ro = 4.94	Im = 18.1	Ncr= 1140476.0	al fa(a)=0.2100	ki=0.9919		
Caso 4-13	Nodo 3	- Asse Y	Ro = 1.64	Im = 54.4	Ncr= 125997.9	al fa(a)=0.2100	ki=0.8420		
Ned =	-11.6	MzEq =	-3677.4	MyEq =	6877.2	Ss =	-347.2 ( 0.103)		
CASSONE_S006 ( 6) -----								stato limite ultimo - ASTA ( 34- 36)	103 0.
SOLLECI TAZI ONI :								PROGR.	
Caso			MZ	MY	MT	N	TZ	TY	
5-14			2136.2	3650.9	5750.7	28.1	-67.5	2.0	
5-16			1420.2	3723.0	5913.0	34.8	-61.4	-8.8	
TENSI ONI (Sz=	0.00)								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
5-14	si	4	Sx	188.6	0.0	113.3	272.2		
5-16	si	7	Tz	-22.3	-134.6	0.0	234.1		
5-16	si	10	Ty	-174.2	0.0	132.3	287.9		
5-14	si	11	Si	186.2	0.0	130.3	292.6		
-----								PROGR.	17.
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			2855.1	4728.0	2918.6	122.0	-130.3	-90.8	
5-16			1349.6	4625.4	5913.0	35.9	-41.3	-10.9	
5-14			1948.4	4576.4	5750.7	29.2	-47.4	-0.1	
TENSI ONI (Sz=	0.00)								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx	250.5	0.0	57.5	269.6		
5-16	si	7	Tz	-21.1	-128.6	0.0	223.8		
5-16	si	10	Ty	-210.3	0.0	127.3	304.7		
5-14	si	11	Si	221.4	0.0	125.3	310.0		
-----								PROGR.	34.
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			1310.0	6490.6	2918.6	123.3	-79.9	-93.5	
5-16			1267.2	5105.8	5913.0	36.9	-21.2	-13.0	
TENSI ONI (Sz=	0.00)								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx	296.9	0.0	57.5	313.2		
5-16	si	7	Tz	-19.6	-122.7	0.0	213.5		
5-16	si	10	Ty	-228.7	0.0	122.3	311.7		
1- 1	si	11	Si	295.4	0.0	80.8	326.9		
-----								PROGR.	50.
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			-281.2	7409.4	2918.6	124.7	-29.6	-96.3	
5-16			1127.8	5294.6	5913.0	38.0	-1.1	-15.1	
TENSI ONI (Sz=	0.00)								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	317.3	0.0	57.5	332.5		
5-16	si	14	Tz	185.1	-117.2	0.0	274.7		
5-16	si	5	Ty	220.4	0.0	117.9	300.4		
1- 1	si	9	Si	317.0	0.0	-61.8	334.5		
-----								PROGR.	67.
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			-1918.7	7484.4	2918.6	126.1	20.7	-99.0	
5-12			999.0	5056.0	5913.7	32.6	20.3	-12.8	
TENSI ONI (Sz=	0.00)								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	348.4	0.0	57.5	362.4		
5-12	si	7	Tz	-15.3	122.5	0.0	212.7		
5-12	si	9	Ty	194.4	0.0	122.1	287.2		
1- 1	si	9	Si	346.2	0.0	66.0	364.6		
-----								PROGR.	84.
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			-3602.3	6715.7	2918.6	127.5	71.0	-101.8	
5-12			809.0	4548.6	5913.7	33.7	40.4	-14.9	
TENSI ONI (Sz=	0.00)								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	345.6	0.0	57.5	359.6		
5-12	si	7	Tz	-12.0	128.4	0.0	222.7		
5-12	si	9	Ty	176.5	0.0	127.2	282.4		
1- 1	si	9	Si	341.5	0.0	78.8	367.7		
-----								PROGR.	101.
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			-5332.2	5103.3	2918.6	128.9	121.3	-104.5	
5-12			567.7	3703.9	5913.7	34.7	60.6	-17.0	
TENSI ONI (Sz=	0.00)								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	308.7	0.0	57.5	324.4		
5-12	si	7	Tz	-7.8	134.3	0.0	232.8		
5-12	si	9	Ty	145.6	0.0	132.4	271.6		
1- 1	si	9	Si	302.6	0.0	91.6	341.7		
-----								PROGR.	117.
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	

1-1		-7108.2		2647.1	2918.6	130.2	171.6	-107.3
5-12		281.6		2522.0	5913.7	35.8	80.7	-19.2
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	237.8	0.0	57.5	257.8	
5-12	si	7	Tz	-2.8	140.2	0.0	242.9	
5-12	si	9	Ty	101.5	0.0	137.5	259.0	
1-1	si	9	Si	229.7	0.0	104.4	292.4	

134.

SOLLECI TAZI ONI :								
Caso		MZ		MY	MT	N	TZ	TY
4-9		-7213.5		-3405.4	-2768.9	66.1	94.1	-77.7
5-12		-45.4		1003.1	5913.7	36.8	100.8	-21.3
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
4-9	si	2	Sx	267.3	0.0	54.6	283.5	
5-12	si	7	Tz	2.8	146.2	0.0	253.2	
5-12	si	9	Ty	44.1	0.0	142.7	251.1	
4-9	si	10	Si	259.1	0.0	-75.8	290.4	

VERIFICA STABILITA` : asta tesa per tutti i casi di carico.

CASSONE\_S006 ( 6 ) stato limite ultimo - ASTA ( 48- 50) 104 0.

SOLLECI TAZI ONI :								
Caso		MZ		MY	MT	N	TZ	TY
1-1		-20145.6		-5078.1	1013.0	49.6	-179.9	274.4
4-8		-13101.3		-3367.4	3997.1	34.8	-53.5	188.0
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	556.3	0.0	20.0	557.4	
4-8	si	13	Tz	121.6	-97.9	0.0	208.7	
4-8	si	9	Ty	72.0	0.0	-98.5	185.2	

17.

SOLLECI TAZI ONI :								
Caso		MZ		MY	MT	N	TZ	TY
1-1		-15567.2		-2482.5	1013.0	50.9	-129.6	271.6
4-8		-9975.1		-2633.8	3997.1	35.9	-33.4	185.9
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	371.2	0.0	20.0	372.8	
4-8	si	13	Tz	91.0	-92.4	0.0	184.1	
4-8	si	5	Ty	-106.6	0.0	-95.3	196.5	

34.

SOLLECI TAZI ONI :								
Caso		MZ		MY	MT	N	TZ	TY
1-1		-11034.9		-730.6	1013.0	52.3	-79.3	268.9
4-8		-6891.5		-2237.2	3997.1	37.0	-13.3	183.8
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	221.6	0.0	20.0	224.2	
4-8	si	13	Tz	50.6	-86.9	0.0	158.8	
4-8	si	5	Ty	-90.2	0.0	-95.1	187.8	
4-8	si	2	Si	212.0	0.0	78.8	252.1	

50.

SOLLECI TAZI ONI :								
Caso		MZ		MY	MT	N	TZ	TY
4-1		-2828.2		3074.4	354.3	-96.4	-19.6	144.9
4-8		-3664.4		-2177.3	3997.1	38.0	6.8	181.6
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
4-1	si	3	Sx	-180.4	0.0	7.0	180.9	
4-8	si	14	Tz	-127.8	85.1	0.0	195.1	
4-8	si	5	Ty	-87.7	0.0	-94.9	186.3	
4-8	si	10	Si	150.3	0.0	-86.5	212.2	

67.

SOLLECI TAZI ONI :								
Caso		MZ		MY	MT	N	TZ	TY
4-16		1663.1		-3151.7	705.4	87.9	19.2	131.2
4-8		-715.4		-2453.5	3997.1	39.1	27.0	179.5
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
4-16	si	3	Sx	163.3	0.0	13.9	165.0	
4-8	si	14	Tz	-85.9	90.5	0.0	178.8	
4-8	si	5	Ty	-99.0	0.0	-94.7	191.6	
4-8	si	10	Si	114.8	0.0	-91.5	195.7	

84.

SOLLECI TAZI ONI :								
Caso		MZ		MY	MT	N	TZ	TY
5-16		3460.3		-3816.1	2096.7	87.1	42.1	145.3
4-8		2227.2		-3064.7	3997.1	40.1	47.1	177.4
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-16	si	3	Sx	221.3	0.0	41.3	232.6	
4-8	si	14	Tz	-54.5	95.9	0.0	174.8	
4-8	si	10	Ty	93.1	0.0	-96.5	191.3	

101.

SOLLECI TAZI ONI :								
Caso		MZ		MY	MT	N	TZ	TY
5-16		5856.0		-4691.3	2096.7	88.2	62.2	143.2
4-8		5113.7		-4009.2	3997.1	41.2	67.2	175.3
5-14		5580.5		-4546.8	3084.2	73.5	64.5	157.7
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-16	si	3	Sx	298.4	0.0	41.3	306.9	
4-8	si	14	Tz	-34.3	101.3	0.0	178.8	
4-8	si	10	Ty	86.1	0.0	-101.5	195.8	
5-14	si	12	Si	280.6	0.0	71.9	306.9	

117.

SOLLECI TAZI ONI :								
Caso		MZ		MY	MT	N	TZ	TY
5-12		8469.3		-5767.9	2013.3	89.4	82.9	141.5
4-8		8401.5		-5283.2	3997.1	42.3	87.3	173.2
5-14		8297.9		-5788.6	3084.2	74.6	84.7	155.6
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-12	si	3	Sx	387.5	0.0	39.7	393.6	
4-8	si	14	Tz	-17.5	106.7	0.0	185.6	
4-8	si	10	Ty	86.2	0.0	-106.5	203.7	
5-14	si	3	Si	384.6	0.0	60.8	398.8	

134.

SOLLECI TAZI ONI :								
Caso		MZ		MY	MT	N	TZ	TY

1- 1		15188.2	-7938.1	1013.0	60.6	222.6	252.3
4- 8		11126.4	-6880.5	3997.1	43.3	107.5	171.1
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	590.2	0.0	20.0	591.2
4- 8	si	14	Tz	-20.3	112.1	0.0	195.2
4- 8	si	10	Ty	108.7	0.0	-111.6	221.7

VERIFI CA STABILITA` :

Z LO = 134. Lc = 134. Ro = 4.94 | Im = 27.2 | Ncr= 505488.2 | al fa(a) = 0.2100 | ki = 0.9641  
Y Lc = 134. Ro = 1.64 | Im = 81.7 | Ncr= 55845.5 | al fa(a) = 0.2100 | ki = 0.6169  
Caso 4- 6 - Nodo 4 - Asse Y  
Ned = -6.3 | Mzeq = -9440.8 | Myeq = -3718.1 | Ss = -315.2 ( 0.093)

CASSONE\_S006 ( 6) stato limite ultimo - ASTA ( 61- 79) 106  
-----  
----- PROGR. 0.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		1619.3	-8142.4	17539.6	-81.8	-15.4	745.9
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-368.0	0.0	345.6	702.7
1- 1	si	13	Tz	-284.0	-368.2	0.0	698.2
1- 1	si	5	TySi	-340.3	0.0	-411.9	790.4

----- PROGR. 1.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		2551.5	-8125.6	17539.6	-81.8	-11.6	745.7
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-383.2	0.0	345.6	710.8
1- 1	si	13	Tz	-299.4	-367.2	0.0	703.0
1- 1	si	5	TySi	-339.6	0.0	-411.9	790.1

----- PROGR. 2.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		3483.5	-8113.4	17539.6	-81.8	-7.9	745.4
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-398.6	0.0	345.6	719.2
1- 1	si	13	Tz	-315.0	-366.2	0.0	708.2
1- 1	si	5	TySi	-339.1	0.0	-411.8	789.8

----- PROGR. 4.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		4415.1	-8105.9	17539.6	-81.8	-4.1	745.2
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-414.2	0.0	345.6	728.0
1- 1	si	13	Tz	-330.7	-365.2	0.0	713.7
1- 1	si	5	TySi	-338.8	0.0	-411.8	789.7

----- PROGR. 5.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		5346.5	-8103.1	17539.6	-81.8	-0.4	745.0
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-430.0	0.0	345.6	737.1
1- 1	si	13	Tz	-346.5	-364.2	0.0	719.7
1- 1	si	5	TySi	-338.7	0.0	-411.8	789.6

----- PROGR. 6.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		6277.6	-8105.0	17539.6	-81.8	3.4	744.8
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-446.0	0.0	345.6	746.5
1- 1	si	14	Tz	-148.0	365.0	0.0	649.2
1- 1	si	5	TySi	-338.8	0.0	-411.8	789.6

----- PROGR. 8.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		7208.4	-8111.6	17539.6	-81.8	7.1	744.5
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-462.2	0.0	345.6	756.3
1- 1	si	14	Tz	-132.3	366.0	0.0	647.6
1- 1	si	5	TySi	-339.0	0.0	-411.8	789.7

----- PROGR. 9.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		8138.9	-8122.9	17539.6	-81.8	10.9	744.3
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-478.6	0.0	345.6	766.4
1- 1	si	14	Tz	-116.7	367.0	0.0	646.3
1- 1	si	5	Ty	-339.5	0.0	-411.7	789.8
1- 1	si	9	Si	-469.3	0.0	-367.4	790.7

----- PROGR. 10.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		9069.1	-8138.9	17539.6	-81.8	14.6	744.1
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-495.1	0.0	345.6	776.8
1- 1	si	14	Tz	-101.3	368.0	0.0	645.4
1- 1	si	5	Ty	-340.2	0.0	-411.7	790.1
1- 1	si	9	Si	-484.8	0.0	-366.5	798.7

----- PROGR. 0.

VERIFI CA STABILITA` :

Z LO = 10. Lc = 10. Ro = 4.94 | Im = 2.0 | Ncr= 90987883.0 | al fa(a) = 0.2100 | ki = 1.0000  
Y Lc = 10. Ro = 1.64 | Im = 6.1 | Ncr= 10052192.1 | al fa(a) = 0.2100 | ki = 1.0000  
Caso 1- 1 - Nodo 1 - Asse Y  
Ned = -81.8 | Mzeq = 6949.5 | Myeq = -8142.4 | Ss = -459.0 ( 0.136)

CASSONE\_S006 ( 6) stato limite ultimo - ASTA ( 59- 79) 107  
-----  
----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY	
1-1	-10108.2	8806.5	9069.1	14.6	51.8	-742.2	
TENSIONI (S <sub>z</sub> =0.00) :							
Caso	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	1	Sx	536.7	0.0	178.7	619.5
1-1	si	13	Tz	445.9	211.1	0.0	576.6
1-1	si	5	Ty	364.0	0.0	244.6	558.6
1-1	si	9	Si	525.1	0.0	216.3	645.1

1.

Caso	MZ	MY	MT	N	TZ	TY	
1-1	-11036.1	8739.5	9069.1	14.6	55.5	-742.5	
TENSIONI (S <sub>z</sub> =0.00) :							
Caso	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	1	Sx	549.7	0.0	178.7	630.9
1-1	si	13	Tz	459.7	212.1	0.0	588.4
1-1	si	5	Ty	361.2	0.0	244.7	556.8
1-1	si	9	Si	537.2	0.0	217.2	655.9

2.

Caso	MZ	MY	MT	N	TZ	TY	
1-1	-11964.3	8667.7	9069.1	14.6	59.3	-742.7	
TENSIONI (S <sub>z</sub> =0.00) :							
Caso	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	1	Sx	562.6	0.0	178.7	642.2
1-1	si	13	Tz	473.3	213.1	0.0	600.2
1-1	si	5	Ty	358.2	0.0	244.7	554.9
1-1	si	9	Si	549.0	0.0	218.2	666.5

4.

Caso	MZ	MY	MT	N	TZ	TY	
1-1	-12892.8	8591.3	9069.1	14.6	63.0	-742.9	
TENSIONI (S <sub>z</sub> =0.00) :							
Caso	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	1	Sx	575.4	0.0	178.7	653.3
1-1	si	13	Tz	486.8	214.2	0.0	612.0
1-1	si	5	Ty	355.1	0.0	244.7	552.9
1-1	si	9	Si	560.7	0.0	219.2	677.1

5.

Caso	MZ	MY	MT	N	TZ	TY	
1-1	-13821.6	8510.2	9069.1	14.6	66.8	-743.1	
TENSIONI (S <sub>z</sub> =0.00) :							
Caso	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	1	Sx	587.9	0.0	178.7	664.4
1-1	si	13	Tz	500.1	215.2	0.0	623.7
1-1	si	5	Ty	351.7	0.0	244.7	550.8
1-1	si	9	Si	572.1	0.0	220.1	687.5

6.

Caso	MZ	MY	MT	N	TZ	TY	
1-1	-14750.7	8424.4	9069.1	14.6	70.5	-743.4	
TENSIONI (S <sub>z</sub> =0.00) :							
Caso	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	1	Sx	600.2	0.0	178.7	675.3
1-1	si	13	Tz	513.4	216.2	0.0	635.4
1-1	si	5	Ty	348.2	0.0	244.7	548.6
1-1	si	9	Si	583.4	0.0	221.1	697.8

8.

Caso	MZ	MY	MT	N	TZ	TY	
1-1	-15680.1	8333.9	9069.1	14.6	74.3	-743.6	
TENSIONI (S <sub>z</sub> =0.00) :							
Caso	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	1	Sx	612.4	0.0	178.7	686.1
1-1	si	13	Tz	526.4	217.2	0.0	647.1
1-1	si	5	Ty	344.5	0.0	244.8	546.3
1-1	si	9	Si	594.5	0.0	222.0	708.0

9.

Caso	MZ	MY	MT	N	TZ	TY	
1-1	-16609.7	8238.7	9069.1	14.6	78.0	-743.8	
TENSIONI (S <sub>z</sub> =0.00) :							
Caso	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	1	Sx	624.3	0.0	178.7	696.8
1-1	si	13	Tz	539.4	218.2	0.0	658.7
1-1	si	5	Ty	340.6	0.0	244.8	543.8
1-1	si	9	Si	605.4	0.0	223.0	718.1

10.

Caso	MZ	MY	MT	N	TZ	TY	
1-1	-17539.6	8138.9	9069.1	14.6	81.8	-744.1	
TENSIONI (S <sub>z</sub> =0.00) :							
Caso	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	1	Sx	636.1	0.0	178.7	707.4
1-1	si	13	Tz	552.2	219.3	0.0	670.2
1-1	si	5	Ty	336.4	0.0	244.8	541.3
1-1	si	9	Si	616.1	0.0	223.9	728.0

VERI F I C A S T A B I L I T A ` :

Z | L<sub>0</sub> = 10. | R<sub>o</sub> = 4.94 | I<sub>m</sub> = 2.0 | N<sub>cr</sub> = 90987883.0 | α<sub>f</sub>(α) = 0.2100 | k<sub>i</sub> = 1.0000  
 Y | L<sub>0</sub> = 10. | R<sub>o</sub> = 1.64 | I<sub>m</sub> = 6.1 | N<sub>cr</sub> = 10052192.1 | α<sub>f</sub>(α) = 0.2100 | k<sub>i</sub> = 1.0000  
 Caso 4-14 - Nodo 3 - Asse Y  
 Ned = -12.1 | M<sub>zeq</sub> = -8218.1 | M<sub>yeq</sub> = 3926.1 | S<sub>s</sub> = -303.0 ( 0.090)

CASSONE\_S006 ( 6 ) stato limite ultimo - ASTA ( 56- 80) 108  
 0. PROGR.

Caso	MZ	MY	MT	N	TZ	TY	
1-1	-17225.3	-9828.3	15122.0	31.8	-69.0	-83.8	
TENSIONI (S <sub>z</sub> =0.00) :							
Caso	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	2	Sx	701.3	0.0	298.0	870.8
1-1	si	14	Tz	-596.5	-318.7	0.0	812.7
1-1	si	10	Ty	681.7	0.0	318.2	876.6

1.

Caso	MZ	MY	MT	N	TZ	TY	
1-1	-17330.2	-9744.4	15122.0	31.8	-65.3	-84.0	
TENSIONI (S <sub>z</sub> =0.00) :							
Caso	Ve	No	massi	Sx	Tz	Ty	Si

1- 1	si	2	Sx	699.7	0.0	298.0	869.4		
1- 1	si	14	Tz	-595.7	-317.7	0.0	811.0		
1- 1	si	10	TySi	679.9	0.0	317.2	874.2		
----- PROGR. 2.									
SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
1- 1				-17435.4	-9665.2	15122.0	31.8	-61.5	-84.3
TENSI ONI	(Sz=			0.00)					
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	698.2	0.0	298.0	868.2		
1- 1	si	14	Tz	-595.0	-316.7	0.0	809.3		
1- 1	si	10	TySi	678.3	0.0	316.3	871.9		
----- PROGR. 4.									
SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
1- 1				-17540.8	-9590.7	15122.0	31.8	-57.8	-84.5
TENSI ONI	(Sz=			0.00)					
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	696.9	0.0	298.0	867.2		
1- 1	si	14	Tz	-594.5	-315.7	0.0	807.7		
1- 1	si	10	TySi	676.9	0.0	315.3	869.8		
----- PROGR. 5.									
SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
1- 1				-17646.6	-9520.8	15122.0	31.8	-54.0	-84.7
TENSI ONI	(Sz=			0.00)					
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	695.9	0.0	298.0	866.4		
1- 1	si	14	Tz	-594.2	-314.7	0.0	806.3		
1- 1	si	10	TySi	675.8	0.0	314.4	867.9		
----- PROGR. 6.									
SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
1- 1				-17752.6	-9455.6	15122.0	31.8	-50.3	-85.0
TENSI ONI	(Sz=			0.00)					
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	695.0	0.0	298.0	865.7		
1- 1	si	14	Tz	-594.0	-313.7	0.0	805.0		
1- 1	si	10	TySi	674.8	0.0	313.5	866.1		
----- PROGR. 8.									
SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
1- 1				-17859.0	-9395.2	15122.0	31.8	-46.5	-85.2
TENSI ONI	(Sz=			0.00)					
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	694.3	0.0	298.0	865.1		
1- 1	si	14	Tz	-593.9	-312.7	0.0	803.8		
1- 1	si	10	Ty	674.0	0.0	312.5	864.4		
----- PROGR. 9.									
SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
1- 1				-17965.6	-9339.4	15122.0	31.8	-42.8	-85.4
TENSI ONI	(Sz=			0.00)					
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	693.8	0.0	298.0	864.7		
1- 1	si	14	Tz	-594.0	-311.7	0.0	802.6		
1- 1	si	10	Ty	673.4	0.0	311.6	862.9		
----- PROGR. 10.									
SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
1- 1				-18072.5	-9288.3	15122.0	31.8	-39.0	-85.6
TENSI ONI	(Sz=			0.00)					
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	693.5	0.0	298.0	864.5		
1- 1	si	14	Tz	-594.3	-310.6	0.0	801.7		
1- 1	si	10	Ty	673.0	0.0	310.7	861.6		

VERI FICA STABI LI TA` :

Z	LO = 10.	Ro = 4.94	Im = 2.0	Ncr= 90987883.0	al fa(a )=0.2100	ki=1.0000
Y	Lc = 10.	Ro = 1.64	Im = 6.1	Ncr= 10052192.1	al fa(a )=0.2100	ki=1.0000
Caso 5- 7 - Nodo 4 - Asse Y						
Ned =	-33.2	Mzeq =	-9701.3	Myeq =	-2665.0	Ss = -277.5 ( 0.082)

CASSONE\_S006 ( 6) stato limite ultimo - ASTA ( 80- 52) 109  
0. ----- PROGR.

SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
1- 1				-15122.0	-9288.3	-18072.5	-39.0	-31.8	-85.6
TENSI ONI	(Sz=			0.00)					
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx	-643.5	0.0	356.1	891.4		
1- 1	si	14	Tz	-547.8	-366.8	0.0	838.9		
1- 1	si	10	Ty	622.0	0.0	367.0	889.3		
1- 1	si	11	Si	-626.3	0.0	367.0	892.3		
----- PROGR. 1.									
SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
1- 1				-15229.2	-9250.9	-18072.5	-39.0	-28.0	-85.9
TENSI ONI	(Sz=			0.00)					
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx	-643.8	0.0	356.1	891.6		
1- 1	si	14	Tz	-548.5	-365.8	0.0	838.0		
1- 1	si	10	Ty	622.1	0.0	366.0	888.2		
----- PROGR. 2.									
SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
1- 1				-15336.7	-9218.3	-18072.5	-39.0	-24.3	-86.1
TENSI ONI	(Sz=			0.00)					
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx	-644.3	0.0	356.1	892.0		
1- 1	si	14	Tz	-549.3	-364.8	0.0	837.2		
1- 1	si	10	Ty	622.5	0.0	365.1	887.3		
----- PROGR. 4.									
SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
1- 1				-15444.5	-9190.3	-18072.5	-39.0	-20.5	-86.3
TENSI ONI	(Sz=			0.00)					
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx	-645.0	0.0	356.1	892.5		
1- 1	si	14	Tz	-550.3	-363.8	0.0	836.6		
1- 1	si	10	Ty	623.1	0.0	364.1	886.6		



----- PROGR.										5.			
SOLLECI TAZI ONI :													
Caso	1-1		MZ		MY		MT		N	TZ	TY		
TENSI ONI	(Sz=		-15552.5		-9167.0		-18072.5		-39.0	-16.8	-86.6		
Caso	1-1	si	4	Sx	Si	Sx	Tz	Ty	Si				
1-1	si	14				-645.9	0.0	356.1	893.1				
1-1	si	5	Tz			-551.4	-362.8	0.0	836.0				
1-1	si	5		Ty		-380.2	0.0	363.8	735.9				
----- PROGR.										6.			
SOLLECI TAZI ONI :													
Caso	1-1		MZ		MY		MT		N	TZ	TY		
TENSI ONI	(Sz=		-15660.9		-9148.4		-18072.5		-39.0	-13.0	-86.8		
Caso	1-1	si	4	Sx	Si	Sx	Tz	Ty	Si				
1-1	si	14				-647.0	0.0	356.1	893.9				
1-1	si	5	Tz			-552.7	-361.8	0.0	835.5				
1-1	si	5		Ty		-379.4	0.0	363.8	735.6				
----- PROGR.										8.			
SOLLECI TAZI ONI :													
Caso	1-1		MZ		MY		MT		N	TZ	TY		
TENSI ONI	(Sz=		-15769.5		-9134.5		-18072.5		-39.0	-9.3	-87.0		
Caso	1-1	si	4	Sx	Si	Sx	Tz	Ty	Si				
1-1	si	14				-648.3	0.0	356.1	894.8				
1-1	si	5	Tz			-554.1	-360.8	0.0	835.2				
1-1	si	5		Ty		-378.8	0.0	363.8	735.3				
----- PROGR.										9.			
SOLLECI TAZI ONI :													
Caso	1-1		MZ		MY		MT		N	TZ	TY		
TENSI ONI	(Sz=		-15878.4		-9125.2		-18072.5		-39.0	-5.5	-87.2		
Caso	1-1	si	4	Sx	Si	Sx	Tz	Ty	Si				
1-1	si	14				-649.7	0.0	356.1	895.9				
1-1	si	5	Tz			-555.7	-359.8	0.0	834.9				
1-1	si	5		Ty		-378.5	0.0	363.9	735.1				
----- PROGR.										10.			
SOLLECI TAZI ONI :													
Caso	1-1		MZ		MY		MT		N	TZ	TY		
TENSI ONI	(Sz=		-15987.6		-9120.7		-18072.5		-39.0	-1.8	-87.5		
Caso	1-1	si	4	Sx	Si	Sx	Tz	Ty	Si				
1-1	si	14				-651.4	0.0	356.1	897.1				
1-1	si	5	Tz			-557.4	-358.8	0.0	834.7				
1-1	si	5		Ty		-378.3	0.0	363.9	735.1				
----- PROGR.													
VERI FI CA STABI LI TA` :													
Z	LO =	10.		Ro =	4.94	Im =	2.0	Ncr=	90987883.0	al fa(a )=	0.2100	ki =	1.0000
Y	Lc =	10.		Ro =	1.64	Im =	6.1	Ncr=	10052192.1	al fa(a )=	0.2100	ki =	1.0000
Caso 1-1 - Nodo 4 - Asse Y													
Ned = -39.0   Mzeq = -15987.6   Myeq = -9288.3   Ss = -658.3 ( 0.195)													
CASSONE_S006 ( 6) stato limite ultimo - ASTA ( 36- 81)										110			
----- PROGR.										0.			
SOLLECI TAZI ONI :													
Caso	1-1		MZ		MY		MT		N	TZ	TY		
TENSI ONI	(Sz=		-4438.8		5301.3		12665.3		203.4	-53.0	-91.4		
Caso	1-1	si	1	Sx	Si	Sx	Tz	Ty	Si				
1-1	si	14				305.7	0.0	249.6	529.5				
1-1	si	10	Tz			99.4	-266.2	0.0	471.6				
1-1	si	9		Ty		-136.5	0.0	266.0	480.5				
1-1	si	9		Si		300.7	0.0	-259.9	541.4				
----- PROGR.										11.			
SOLLECI TAZI ONI :													
Caso	1-1		MZ		MY		MT		N	TZ	TY		
TENSI ONI	(Sz=		-5427.3		5696.7		12665.3		204.3	-20.8	-93.1		
Caso	1-1	si	1	Sx	Si	Sx	Tz	Ty	Si				
1-1	si	14				339.0	0.0	249.6	549.3				
1-1	si	10	Tz			94.8	-257.5	0.0	456.0				
1-1	si	10		Ty		-137.0	0.0	257.9	467.2				
----- PROGR.										21.			
SOLLECI TAZI ONI :													
Caso	1-1		MZ		MY		MT		N	TZ	TY		
TENSI ONI	(Sz=		-6434.6		5747.5		12665.3		205.2	11.3	-94.9		
Caso	1-1	si	1	Sx	Si	Sx	Tz	Ty	Si				
1-1	si	13				358.3	0.0	249.6	561.5				
1-1	si	5	Tz			299.1	255.0	0.0	533.4				
1-1	si	9		Ty		248.4	0.0	258.0	511.3				
1-1	si	9		Si		351.0	0.0	255.6	564.9				
----- PROGR.										32.			
SOLLECI TAZI ONI :													
Caso	1-1		MZ		MY		MT		N	TZ	TY		
TENSI ONI	(Sz=		-7460.8		5453.9		12665.3		206.0	43.5	-96.6		
Caso	1-1	si	1	Sx	Si	Sx	Tz	Ty	Si				
1-1	si	13				363.8	0.0	249.6	565.0				
1-1	si	9	Tz			307.6	263.7	0.0	550.7				
1-1	si	9		Ty		355.3	0.0	263.7	578.7				
----- PROGR.										43.			
SOLLECI TAZI ONI :													
Caso	1-1		MZ		MY		MT		N	TZ	TY		
TENSI ONI	(Sz=		-8505.9		4815.7		12665.3		206.9	75.6	-98.4		
Caso	1-1	si	1	Sx	Si	Sx	Tz	Ty	Si				
1-1	si	13				355.4	0.0	249.6	559.6				
1-1	si	9	Tz			305.8	272.5	0.0	562.3				
1-1	si	9		Ty		345.7	0.0	271.9	584.2				
----- PROGR.										54.			
SOLLECI TAZI ONI :													
Caso	1-1		MZ		MY		MT		N	TZ	TY		
TENSI ONI	(Sz=		-9569.8		3833.1		12665.3		207.8	107.8	-100.2		
Caso	1-1	si	1	Sx	Si	Sx	Tz	Ty	Si				
1-1	si	7				333.1	0.0	249.6	545.7				
1-1	si	9	Tz			175.0	281.2	0.0	517.6				
1-1	si	9		Ty		322.2	0.0	280.1	582.4				
----- PROGR.										64.			
SOLLECI TAZI ONI :													

Caso	1-1		MZ		MY		MT		N		TZ		TY
TENSI ONI	(Sz=		-10652.6		2505.9		12665.3		208.7		139.9		-101.9
Caso	1-1	si	1	Sx	Sx		Tz		Ty		Si		
1-1	si	7	Tz		296.9		0.0		249.6		524.4		
1-1	si	9	Ty		193.6		290.7		0.0		539.4		
1-1	si	13	Ty		284.8		0.0		288.3		574.8		
----- PROGR.													75.
SOLLECI TAZI ONI :													
Caso	4-2		MZ		MY		MT		N		TZ		TY
1-1	si	1	-4667.0		4189.1		769.5		82.6		4.8		-55.2
1-1	si	7	-11754.3		834.3		12665.3		209.6		172.1		-103.7
TENSI ONI	(Sz=		0.00)										
Caso	4-2	si	1	Sx	Sx		Tz		Ty		Si		
1-1	si	7	Tz		257.1		0.0		15.2		258.4		
1-1	si	9	Ty		212.5		300.1		0.0		561.6		
1-1	si	13	Ty		233.5		0.0		296.4		564.0		
1-1	si	15	Ty		238.3		298.7		0.0		569.6		
----- PROGR.													86.
SOLLECI TAZI ONI :													
Caso	4-2		MZ		MY		MT		N		TZ		TY
1-1	si	1	-7239.8		4066.9		769.5		83.2		17.7		-56.6
1-1	si	7	-12874.8		-1181.9		12665.3		210.4		204.2		-105.4
TENSI ONI	(Sz=		0.00)										
Caso	4-2	si	1	Sx	Sx		Tz		Ty		Si		
1-1	si	7	Tz		296.0		0.0		15.2		297.2		
1-1	si	9	Ty		231.6		309.6		0.0		584.1		
1-1	si	15	Ty		168.2		0.0		304.6		553.8		
1-1	si	15	Ty		268.2		302.2		0.0		588.2		
----- PROGR.													
VERIFICA STABILITA' : asta tesa per tutti i casi di carico.													
CASSONE_S006 ( 6 ) stato limite ultimo - ASTA ( 81- 48 ) 111													
----- PROGR.													0.
SOLLECI TAZI ONI :													
Caso	1-1		MZ		MY		MT		N		TZ		TY
1-1	si	2	-10799.6		-11769.4		-8509.8		266.9		-141.1		-77.2
TENSI ONI	(Sz=		0.00)										
Caso	1-1	si	2	Sx	Sx		Tz		Ty		Si		
1-1	si	7	Tz		684.7		0.0		167.7		743.7		
1-1	si	10	Ty		199.3		-209.1		0.0		413.4		
1-1	si	10	Ty		672.4		0.0		205.9		761.1		
----- PROGR.													11.
SOLLECI TAZI ONI :													
Caso	1-1		MZ		MY		MT		N		TZ		TY
1-1	si	2	-11622.3		-10449.5		-8509.8		267.8		-109.5		-78.9
TENSI ONI	(Sz=		0.00)										
Caso	1-1	si	2	Sx	Sx		Tz		Ty		Si		
1-1	si	7	Tz		644.3		0.0		167.7		706.8		
1-1	si	10	Ty		213.4		-199.8		0.0		406.6		
1-1	si	10	Ty		631.1		0.0		197.9		718.2		
----- PROGR.													21.
SOLLECI TAZI ONI :													
Caso	1-1		MZ		MY		MT		N		TZ		TY
1-1	si	2	-12463.2		-9462.6		-8509.8		268.7		-77.8		-80.7
TENSI ONI	(Sz=		0.00)										
Caso	1-1	si	2	Sx	Sx		Tz		Ty		Si		
1-1	si	14	Tz		618.1		0.0		167.7		682.9		
1-1	si	10	Ty		-490.7		-190.7		0.0		591.5		
1-1	si	10	Ty		603.9		0.0		190.0		687.7		
----- PROGR.													32.
SOLLECI TAZI ONI :													
Caso	1-1		MZ		MY		MT		N		TZ		TY
1-1	si	2	-13322.3		-8808.9		-8509.8		269.5		-46.2		-82.4
TENSI ONI	(Sz=		0.00)										
Caso	1-1	si	2	Sx	Sx		Tz		Ty		Si		
1-1	si	14	Tz		605.8		0.0		167.7		671.8		
1-1	si	10	Ty		-485.1		-182.2		0.0		578.7		
1-1	si	10	Ty		590.7		0.0		182.1		669.6		
----- PROGR.													42.
SOLLECI TAZI ONI :													
Caso	1-1		MZ		MY		MT		N		TZ		TY
1-1	si	2	-14199.7		-8488.3		-8509.8		270.4		-14.6		-84.1
TENSI ONI	(Sz=		0.00)										
Caso	1-1	si	2	Sx	Sx		Tz		Ty		Si		
1-1	si	14	Tz		607.6		0.0		167.7		673.5		
1-1	si	5	Ty		-490.1		-173.7		0.0		575.1		
1-1	si	5	Ty		-335.0		0.0		175.2		452.0		
----- PROGR.													53.
SOLLECI TAZI ONI :													
Caso	1-1		MZ		MY		MT		N		TZ		TY
4-2	si	2	-15095.4		-8500.9		-8509.8		271.3		17.0		-85.9
4-2	si	13	-6420.3		-376.6		-7875.6		58.7		67.3		-80.7
TENSI ONI	(Sz=		0.00)										
Caso	1-1	si	2	Sx	Sx		Tz		Ty		Si		
4-2	si	13	Tz		623.5		0.0		167.7		687.8		
1-1	si	5	Ty		101.3		175.4		0.0		320.2		
1-1	si	5	Ty		-335.5		0.0		175.3		452.5		
----- PROGR.													63.
SOLLECI TAZI ONI :													
Caso	1-1		MZ		MY		MT		N		TZ		TY
1-1	si	2	-16009.3		-8846.5		-8509.8		272.1		48.6		-87.6
TENSI ONI	(Sz=		0.00)										
Caso	1-1	si	2	Sx	Sx		Tz		Ty		Si		
1-1	si	13	Tz		653.4		0.0		167.7		715.1		
1-1	si	9	Ty		15.0		183.0		0.0		317.3		
1-1	si	9	Ty		-94.4		0.0		182.9		330.5		
----- PROGR.													74.
SOLLECI TAZI ONI :													
Caso	1-1		MZ		MY		MT		N		TZ		TY
1-1	si	2	-16941.4		-9525.2		-8509.8		273.0		80.2		-89.3
TENSI ONI	(Sz=		0.00)										
Caso	1-1	si	2	Sx	Sx		Tz		Ty		Si		
1-1	si	13	Tz		697.4		0.0		167.7		755.4		
1-1	si	9	Ty		10.0		191.6		0.0		332.0		
1-1	si	9	Ty		-107.5		0.0		190.9		347.7		
----- PROGR.													84.
SOLLECI TAZI ONI :													
Caso	1-1		MZ		MY		MT		N		TZ		TY
1-1	si	2	-17891.8		-10537.1		-8509.8		273.8		111.8		-91.1
TENSI ONI	(Sz=		0.00)										
Caso	1-1	si	2	Sx	Sx		Tz		Ty		Si		
1-1	si	2	Tz		755.4		0.0		167.7		809.3		

1- 1	si	7	Tz	320.9	200.5	0.0	472.9
1- 1	si	9	Ty	-134.0	0.0	198.9	369.7

VERIFICA STABILITÀ : asta tesa per tutti i casi di carico.

CASSONE\_S006 ( 6 ) stato limite ultimo - ASTA ( 50- 83) 113  
PROGR.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 7	10938.6	-5854.1	5095.4	209.4	-36.9	-124.2
1- 1	13064.9	-1959.9	12373.7	134.5	-162.8	30.3

TENSI ONI (Sz= 0.00) :	Sx	Tz	Ty	Si
Caso	massi mi			
4- 7	3	439.9	0.0	100.4
1- 1	7	-215.7	-291.7	0.0
1- 1	9	-281.7	0.0	-285.9
1- 1	16	291.3	-288.6	0.0

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5-10	9251.4	-5469.7	5679.9	226.8	-19.9	-129.5
1- 1	13448.8	-80.5	12373.7	135.6	-123.4	28.2

TENSI ONI (Sz= 0.00) :	Sx	Tz	Ty	Si
Caso	massi mi			
5-10	3	396.2	0.0	111.9
1- 1	7	-222.2	-280.1	0.0
1- 1	9	-210.2	0.0	-275.9
1- 1	8	237.3	-280.1	0.0

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5- 7	8806.6	5632.9	3367.1	-103.8	-66.7	83.1
1- 1	13804.4	1281.7	12373.7	136.7	-84.1	26.0

TENSI ONI (Sz= 0.00) :	Sx	Tz	Ty	Si
Caso	massi mi			
5- 7	2	-388.5	0.0	66.3
1- 1	7	-228.2	-268.5	0.0
1- 1	9	-159.7	0.0	-265.9
1- 1	14	283.1	-265.9	0.0

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5- 7	9828.0	6390.0	3367.1	-103.0	-50.9	81.4
1- 1	14131.6	2126.8	12373.7	137.8	-44.7	23.8

TENSI ONI (Sz= 0.00) :	Sx	Tz	Ty	Si
Caso	massi mi			
5- 7	2	-437.1	0.0	66.3
1- 1	7	-233.8	-256.9	0.0
1- 1	9	-130.0	0.0	-255.9
1- 1	11	320.7	0.0	254.3

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5- 7	10805.9	6942.1	3367.1	-102.2	-35.2	79.7
1- 1	14430.5	2454.6	12373.7	138.9	-5.3	21.7

TENSI ONI (Sz= 0.00) :	Sx	Tz	Ty	Si
Caso	massi mi			
5- 7	2	-476.6	0.0	66.3
1- 1	13	-162.9	-245.8	0.0
1- 1	9	-121.2	0.0	-245.9
1- 1	4	355.5	0.0	243.8

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5- 7	11990.1	7288.9	3367.1	-101.3	-19.4	78.1
1- 1	14701.1	2265.3	12373.7	139.9	34.1	19.5

TENSI ONI (Sz= 0.00) :	Sx	Tz	Ty	Si
Caso	massi mi			
5- 7	2	-511.0	0.0	66.3
1- 1	7	-243.4	253.8	0.0
1- 1	10	-320.1	0.0	-253.1
1- 1	11	335.6	0.0	-253.1

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5- 7	12995.2	7430.1	3367.1	-100.5	-3.7	76.4
1- 1	14943.3	1558.8	12373.7	141.0	73.5	17.4

TENSI ONI (Sz= 0.00) :	Sx	Tz	Ty	Si
Caso	massi mi			
5- 7	2	-534.0	0.0	66.3
1- 1	7	-247.5	265.4	0.0
1- 1	10	-294.7	0.0	-263.0
1- 1	14	311.3	264.1	0.0

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5- 7	13982.7	7365.6	3367.1	-99.7	12.1	74.8
1- 1	15157.2	335.1	12373.7	142.1	112.9	15.2

TENSI ONI (Sz= 0.00) :	Sx	Tz	Ty	Si
Caso	massi mi			
5- 7	2	-548.2	0.0	66.3
1- 1	7	-251.1	277.0	0.0
1- 1	10	-247.6	0.0	-272.8

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5- 7	14950.4	7095.1	3367.1	-98.9	27.8	73.1
1- 1	15342.9	-1405.8	12373.7	143.2	152.3	13.1

TENSI ONI (Sz= 0.00) :	Sx	Tz	Ty	Si
Caso	massi mi			
5- 7	2	-553.5	0.0	66.3
1- 1	7	-254.2	288.6	0.0
1- 1	10	-178.7	0.0	-282.7
1- 1	16	313.6	284.7	0.0

VERIFI CA STABI LI TA` :

Z | L0 = 105. | Ro = 4.94 | Im = 21.3 | Ncr= 824669.6 | al fa (a )=0.2100 | ki =0.9825  
Y | Lc = 105. | Ro = 1.64 | Im = 64.0 | Ncr= 91108.1 | al fa (a )=0.2100 | ki =0.7736  
Caso 5- 7 - Nodo 2 - Asse Y  
Ned = -105.5 | Mzeq = 14095.1 | Myeq = 7430.1 | Ss = -555.2 ( 0.164)

CASSONE\_S006 ( 6) ----- stato limite ultimo - ASTA ( 83- 82) 114  
----- PROGR. 0.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY	
1- 1	10438.7	-15342.9	6791.1	52.4	133.9	-152.3	
5-10	1045.5	3304.8	10325.7	229.5	151.6	-87.7	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	813.9	0.0	133.8	846.3
5-10	si	7	Tz	-5.1	248.0	0.0	429.6
5-10	si	9	Ty	132.4	0.0	244.6	443.9
1- 1	si	12	Si	802.1	0.0	172.7	856.0

----- PROGR. 2.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY	
1- 1	10171.1	-15574.2	6791.1	52.7	133.9	-157.5	
5-10	908.8	3042.5	10325.7	229.7	151.6	-89.8	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	818.9	0.0	133.8	851.1
5-10	si	7	Tz	-2.8	248.0	0.0	429.6
5-10	si	9	Ty	123.7	0.0	244.7	441.5
1- 1	si	12	Si	807.3	0.0	172.8	861.1

----- PROGR. 3.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY	
1- 1	9894.5	-15805.6	6791.1	53.0	133.9	-162.7	
5-10	767.6	2780.2	10325.7	230.0	151.6	-91.9	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	823.8	0.0	133.8	855.7
5-10	si	7	Tz	-0.3	248.0	0.0	429.5
5-10	si	9	Ty	115.2	0.0	244.8	439.3
1- 1	si	12	Si	812.5	0.0	173.0	866.0

----- PROGR. 5.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY	
1- 1	9608.9	-16037.0	6791.1	53.3	133.9	-167.8	
5-10	622.0	2517.9	10325.7	230.2	151.6	-94.0	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	828.4	0.0	133.8	860.3
5-10	si	7	Tz	2.2	248.0	0.0	429.5
5-10	si	9	Ty	106.7	0.0	244.8	437.3
1- 1	si	12	Si	817.5	0.0	173.2	870.8

----- PROGR. 7.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY	
1- 1	9314.4	-16268.4	6791.1	53.6	133.9	-173.0	
5-10	472.0	2255.6	10325.7	230.5	151.6	-96.0	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	833.0	0.0	133.8	864.6
5-10	si	7	Tz	4.7	248.0	0.0	429.6
5-10	si	9	Ty	98.3	0.0	244.9	435.4
1- 1	si	12	Si	822.4	0.0	173.3	875.5

----- PROGR. 9.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY	
1- 1	9010.9	-16499.8	6791.1	53.9	133.9	-178.2	
5-10	317.5	1993.3	10325.7	230.7	151.6	-98.1	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	837.3	0.0	133.8	868.8
5-10	si	7	Tz	7.4	248.0	0.0	429.6
5-10	si	9	Ty	90.0	0.0	245.0	433.8
1- 1	si	12	Si	827.1	0.0	173.5	880.0

----- PROGR. 10.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY	
1- 1	8698.5	-16731.2	6791.1	54.3	133.9	-183.4	
5-10	158.7	1731.1	10325.7	230.9	151.6	-100.2	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	841.6	0.0	133.8	872.9
5-10	si	7	Tz	10.1	248.0	0.0	429.7
5-10	si	9	Ty	81.7	0.0	245.1	432.2
1- 1	si	12	Si	831.7	0.0	173.7	884.4

----- PROGR. 12.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY	
1- 1	8377.1	-16962.6	6791.1	54.6	133.9	-188.6	
5-10	-4.5	1468.9	10325.7	231.2	151.6	-102.3	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	845.6	0.0	133.8	876.8
5-10	si	7	Tz	12.9	248.0	0.0	429.7
5-10	si	9	Ty	73.5	0.0	245.1	430.9
1- 1	si	12	Si	836.1	0.0	173.9	888.7

----- PROGR. 14.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY	
1- 1	8046.7	-17194.0	6791.1	54.9	133.9	-193.8	
5-10	-172.0	1206.6	10325.7	231.4	151.6	-104.3	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	849.6	0.0	133.8	880.6
5-10	si	7	Tz	15.8	248.0	0.0	429.8
5-10	si	9	Ty	65.4	0.0	245.2	429.7
1- 1	si	12	Si	840.4	0.0	174.0	892.8

VERIFI CA STABI LI TA` :

Z | LO = 14. | Ro = 4.94 | Im = 2.8 | Ncr= 47605077.9 | al fa (a )=0.2100 | ki =1.0000 |  
 Y | Lc = 14. | Ro = 1.64 | Im = 8.4 | Ncr= 5259330.9 | al fa (a )=0.2100 | ki =1.0000 |  
 Caso 5- 7 - Nodo 1 - Asse Y  
 Ned = -108.8 | Mzeq = 6364.5 | Myeq = -14950.4 | Ss = -731.3 ( 0.216)

CASSONE\_S006 ( 6) ----- stato limite ultimo - ASTA ( 52- 70) 285  
----- PROGR. 0.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY	
1- 1	-16645.5	-9303.6	-9316.3	-50.0	-175.3	30.1	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-670.8	0.0	183.6	742.3
1- 1	si	7	Tz	281.6	-235.1	0.0	495.1
1- 1	si	9	Ty	-121.0	0.0	-228.9	414.4
1- 1	si	11	Si	-651.9	0.0	226.9	761.1
----- PROGR.							12.
SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	-16288.5	-7372.2	-9316.3	-50.0	-138.4	27.9	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-585.1	0.0	183.6	665.9
1- 1	si	7	Tz	275.5	-224.2	0.0	476.2
1- 1	si	9	Ty	-47.1	0.0	-219.4	383.0
1- 1	si	11	Si	-566.5	0.0	217.6	680.4
----- PROGR.							25.
SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	-15959.4	-5895.7	-9316.3	-50.0	-101.5	25.6	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-518.6	0.0	183.6	608.3
1- 1	si	7	Tz	269.9	-213.4	0.0	457.6
1- 1	si	9	Ty	8.6	0.0	-210.0	363.9
1- 1	si	11	Si	-500.4	0.0	208.4	616.9
----- PROGR.							37.
SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	-15658.1	-4873.9	-9316.3	-50.0	-64.5	23.3	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-471.3	0.0	183.6	568.5
1- 1	si	7	Tz	264.7	-202.5	0.0	439.5
1- 1	si	9	Ty	45.9	0.0	-200.6	350.5
1- 1	si	11	Si	-453.4	0.0	199.1	569.7
----- PROGR.							49.
SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	-15384.7	-4306.9	-9316.3	-50.0	-27.6	21.1	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-443.2	0.0	183.6	545.5
1- 1	si	7	Tz	260.1	-191.7	0.0	421.7
1- 1	si	9	Ty	64.9	0.0	-191.2	337.5
----- PROGR.							62.
SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	-15139.1	-4194.7	-9316.3	-50.0	9.4	18.8	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-434.4	0.0	183.6	538.3
1- 1	si	14	Tz	-391.1	186.6	0.0	507.4
1- 1	si	10	Ty	411.6	0.0	-186.6	523.3
----- PROGR.							74.
SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	-14921.3	-4537.3	-9316.3	-50.0	46.3	16.6	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-444.8	0.0	183.6	546.8
1- 1	si	7	Tz	252.1	197.2	0.0	424.5
1- 1	si	10	Ty	422.3	0.0	-195.8	541.6
----- PROGR.							86.
SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	-14731.4	-5334.6	-9316.3	-50.0	83.2	14.3	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-474.4	0.0	183.6	571.1
1- 1	si	7	Tz	248.9	208.0	0.0	437.9
1- 1	si	10	Ty	452.1	0.0	-205.1	574.9
1- 1	si	11	Si	-457.7	0.0	-205.1	579.3
----- PROGR.							98.
SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	-14569.4	-6586.8	-9316.3	-50.0	120.2	12.0	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-523.3	0.0	183.6	612.3
1- 1	si	7	Tz	246.1	218.9	0.0	452.0
1- 1	si	10	Ty	501.2	0.0	-214.3	623.7
1- 1	si	11	Si	-506.7	0.0	-214.3	628.1

VERIFI CA STABI LI TA` :

Z | LO = 98. | Ro = 4.94 | Im = 19.9 | Ncr= 937801.9 | al fa(a )=0.2100 | ki=0.9864  
 Y | Lc = 98. | Ro = 1.64 | Im = 60.0 | Ncr= 103606.8 | al fa(a )=0.2100 | ki=0.8040  
 Caso 1- 1 - Nodo 4 - Asse Y  
 Ned = -50.0 | Mzeq = -16645.5 | Myeq = -7175.5 | Ss = -583.9 ( 0.173)

CASSONE\_S006 ( 6) stato limite ultimo - ASTA ( 65- 296) 286  
 ----- PROGR. 0.

Caso	MZ	MY	MT	N	TZ	TY	
5- 7	3391.9	-4718.8	5552.6	7.2	31.9	61.6	
1- 1	4422.1	312.4	8661.7	38.6	-102.9	75.8	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5- 7	si	3	Sx	252.9	0.0	109.4	316.1
1- 1	si	7	Tz	-73.4	-200.9	0.0	355.6
1- 1	si	9	Ty	-55.5	0.0	-199.2	349.4
1- 1	si	8	Si	77.7	-200.9	0.0	356.5
----- PROGR.							9.
SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
5-16	2408.0	6147.0	1812.9	37.4	-109.1	36.1	
1- 1	5064.0	1082.6	8661.7	37.9	-77.2	74.4	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si

5-16	si	4	Sx	296.7	0.0	35.7	303.1
1-1	si	13	Tz	-50.9	-193.4	0.0	338.9
1-1	si	9	Ty	-34.0	0.0	-192.6	335.4
1-1	si	14	Si	122.1	-189.7	0.0	350.6
-----							
PROGR.							
-----							
SOLLECI TAZI ONI							
Caso	MZ	MY	MT	N	TZ	TY	
5-16	2712.9	7039.0	1812.9	36.8	-98.9	35.0	
1-1	5694.0	1633.4	8661.7	37.2	-51.6	73.0	
5-7	4425.9	-5432.4	5552.6	6.1	52.4	59.5	
-----							
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-16	si	4	Sx	338.7	0.0	35.7	344.3
1-1	si	13	Tz	-44.7	-186.4	0.0	326.0
1-1	si	9	Ty	-21.4	0.0	-186.1	323.1
5-7	si	12	Si	294.9	0.0	120.7	361.5
-----							
PROGR.							
-----							
SOLLECI TAZI ONI							
Caso	MZ	MY	MT	N	TZ	TY	
5-16	3008.4	7842.1	1812.9	36.3	-88.6	33.9	
1-1	6311.9	1964.7	8661.7	36.5	-25.9	71.5	
5-7	4929.4	-5923.1	5552.6	5.6	62.7	58.4	
-----							
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-16	si	4	Sx	376.8	0.0	35.7	381.8
1-1	si	13	Tz	-45.0	-179.5	0.0	314.1
1-1	si	9	Ty	-17.6	0.0	-179.6	311.5
5-7	si	12	Si	323.2	0.0	123.3	387.4
-----							
PROGR.							
-----							
SOLLECI TAZI ONI							
Caso	MZ	MY	MT	N	TZ	TY	
5-16	3294.5	8556.8	1812.9	35.8	-78.3	32.8	
1-1	6917.8	2076.5	8661.7	35.8	-0.2	70.1	
-----							
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-16	si	4	Sx	411.1	0.0	35.7	415.8
1-1	si	13	Tz	-52.0	-172.5	0.0	303.2
1-1	si	5	Ty	87.6	0.0	-176.9	318.7
5-16	si	11	Si	407.4	0.0	54.4	418.1
-----							
PROGR.							
-----							
SOLLECI TAZI ONI							
Caso	MZ	MY	MT	N	TZ	TY	
5-16	3571.2	9183.4	1812.9	35.2	-68.1	31.8	
1-1	7511.7	1968.9	8661.7	35.1	25.4	68.7	
5-7	5908.9	-7169.3	5552.6	4.5	83.2	56.2	
-----							
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-16	si	4	Sx	441.7	0.0	35.7	446.0
1-1	si	14	Tz	191.2	179.3	0.0	364.6
1-1	si	10	Ty	-199.0	0.0	-179.4	368.9
5-7	si	12	Si	390.1	0.0	128.6	449.2
-----							
PROGR.							
-----							
SOLLECI TAZI ONI							
Caso	MZ	MY	MT	N	TZ	TY	
5-16	3838.7	9722.1	1812.9	34.7	-57.8	30.7	
1-1	8093.6	1641.8	8661.7	34.4	51.1	67.3	
5-7	6385.0	-7924.3	5552.6	4.0	93.5	55.2	
-----							
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-16	si	4	Sx	468.4	0.0	35.7	472.5
1-1	si	14	Tz	191.0	186.2	0.0	374.7
1-1	si	10	Ty	-194.8	0.0	-185.8	376.2
5-7	si	12	Si	428.8	0.0	131.2	485.3
-----							
PROGR.							
-----							
SOLLECI TAZI ONI							
Caso	MZ	MY	MT	N	TZ	TY	
5-16	4096.8	10172.9	1812.9	34.1	-47.5	29.6	
1-1	8663.5	1095.2	8661.7	33.7	76.7	65.9	
5-7	6851.8	-8767.3	5552.6	3.4	103.7	54.1	
-----							
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-16	si	4	Sx	491.4	0.0	35.7	495.3
1-1	si	7	Tz	-146.1	193.2	0.0	365.2
1-1	si	10	Ty	-181.4	0.0	-192.2	379.2
5-7	si	12	Si	471.0	0.0	133.8	524.9
-----							
PROGR.							
-----							
SOLLECI TAZI ONI							
Caso	MZ	MY	MT	N	TZ	TY	
5-7	7309.5	-9698.1	5552.6	2.9	114.0	53.0	
1-1	9221.3	329.2	8661.7	33.0	102.4	64.5	
-----							
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-7	si	3	Sx	525.0	0.0	109.4	558.1
1-1	si	7	Tz	-155.7	200.8	0.0	381.0
1-1	si	10	Ty	-158.8	0.0	-198.7	379.0
5-7	si	12	Si	516.6	0.0	136.5	568.1

## VERIFI CA STABI LI TA` :

Z | LO = 68. | Ro = 4.94 | Im = 13.9 | Ncr= 1943438.1 | al fa(a )=0.2100 | ki=1.0000  
 Y | Lc = 68. | Ro = 1.64 | Im = 41.7 | Ncr= 214707.8 | al fa(a )=0.2100 | ki=0.9095  
 Caso 5- 3 - Nodo 1 - Asse Y  
 Ned = -2.6 | Mzeq = 6561.5 | Myeq = -8755.5 | Ss = -473.3 ( 0.140)

CASSONE\_S006 ( 6) stato li mi te ul ti mo - ASTA ( 296- 63) 287  
 0. ----- PROGR.

SOLLECI TAZI ONI							
Caso	MZ	MY	MT	N	TZ	TY	
5-16	4436.9	7880.1	6635.7	-42.2	-191.0	-100.3	
5-10	3500.0	7920.4	6742.9	-24.4	-194.4	-54.2	
5-14	3961.2	7926.1	6692.9	-33.7	-194.7	-82.4	
-----							
TENSI ONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-16	si	2	Sx	-403.1	0.0	130.8	462.4
5-10	si	7	Tz	-61.1	-190.0	0.0	334.7
5-14	si	10	Ty	-391.9	0.0	183.8	504.9
5-16	si	10	Si	-398.0	0.0	182.3	508.1
-----							
PROGR.							
-----							
SOLLECI TAZI ONI							
Caso	MZ	MY	MT	N	TZ	TY	
5-16	4183.7	8339.1	6635.7	-42.4	-188.1	-100.6	
5-10	3356.4	8386.1	6742.9	-24.5	-191.5	-54.5	

5-14			3749.4	8392.8	6692.9	-33.9	-191.8	-82.7
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-16	si	2	Sx	-417.7	0.0	130.8	475.2	
5-10	si	7	Tz	-58.7	-189.1	0.0	332.8	
5-14	si	10	Ty	-407.8	0.0	183.1	516.5	
5-16	si	10	Si	-412.9	0.0	181.6	519.1	

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
5-16			3921.1	8791.0	6635.7	-42.5	-185.2	-100.9
5-10			3203.1	8845.0	6742.9	-24.7	-188.6	-54.8
5-14			3527.9	8852.5	6692.9	-34.0	-188.9	-83.0

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-16	si	2	Sx	-431.9	0.0	130.8	487.6	
5-10	si	7	Tz	-56.1	-188.3	0.0	330.9	
5-14	si	10	Ty	-423.2	0.0	182.3	528.0	
5-16	si	10	Si	-427.4	0.0	180.9	529.9	

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
5-16			3635.1	9235.7	6635.7	-42.7	-182.3	-101.2
5-10			3025.8	9297.1	6742.9	-24.8	-185.7	-55.1
5-14			3282.4	9305.4	6692.9	-34.2	-186.0	-83.3

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-16	si	2	Sx	-445.3	0.0	130.8	499.6	
5-10	si	7	Tz	-53.1	-187.4	0.0	328.9	
5-14	si	10	Ty	-438.0	0.0	181.6	539.2	
5-16	si	10	Si	-441.2	0.0	180.2	540.4	

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
5-16			3275.8	9673.3	6635.7	-42.8	-179.4	-101.5
5-10			2774.4	9742.2	6742.9	-25.0	-182.8	-55.4
5-14			2962.8	9751.4	6692.9	-34.3	-183.1	-83.6

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-16	si	2	Sx	-457.2	0.0	130.8	510.3	
5-10	si	7	Tz	-48.8	-186.6	0.0	326.8	
5-14	si	10	Ty	-451.3	0.0	180.9	549.4	
5-16	si	10	Si	-453.5	0.0	179.4	549.8	

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
5-16			2754.4	10103.9	6635.7	-43.0	-176.5	-101.8
5-10			2359.8	10180.3	6742.9	-25.1	-179.9	-55.7
5-14			2480.0	10190.4	6692.9	-34.5	-180.2	-83.9

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-16	si	2	Sx	-466.1	0.0	130.8	518.2	
5-10	si	7	Tz	-41.7	-185.7	0.0	324.4	
5-14	si	10	Ty	-461.7	0.0	180.2	557.3	

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
5-16			2114.0	10527.4	6635.7	-43.1	-173.6	-102.1
5-10			1824.6	10611.4	6742.9	-25.3	-177.0	-56.0
5-14			1876.6	10622.4	6692.9	-34.6	-177.3	-84.2

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-16	si	2	Sx	-472.6	0.0	130.8	524.1	
5-10	si	7	Tz	-32.6	-184.9	0.0	321.8	
5-14	si	10	Ty	-469.9	0.0	179.4	563.4	

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
5-14			2631.3	11047.4	6692.9	-34.8	-174.4	-84.5
5-10			2647.5	11035.6	6742.9	-25.5	-174.1	-56.3

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-14	si	2	Sx	-502.4	0.0	131.9	551.9	
5-10	si	7	Tz	-46.6	-184.0	0.0	322.1	
5-14	si	10	Ty	-499.5	0.0	178.7	587.6	

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
5-10			2489.9	11452.8	6742.9	-25.6	-171.2	-56.6
5-14			2405.5	11465.5	6692.9	-34.9	-171.5	-84.8

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-10	si	2	Sx	-516.2	0.0	132.9	565.2	
5-10	si	7	Tz	-44.0	-183.2	0.0	320.3	
5-14	si	10	Ty	-513.1	0.0	178.0	598.6	
5-10	si	10	Si	-513.4	0.0	178.0	598.8	

VERI F I C A S T A B I L I T A ` :

Z | LO = 19. | Ro = 4.94 | Im = 3.9 | Ncr= 24320995.1 | al fa(a )=0.2100 | ki=1.0000  
 Y | Lc = 19. | Ro = 1.64 | Im = 11.8 | Ncr= 2686943.7 | al fa(a )=0.2100 | ki=1.0000  
 Caso 5-16 - Nodò 2 - Asse Y  
 Ned = -43.4 | Mzeq = 4293.6 | Myeq = 11353.3 | Ss = -544.0 ( 0.161)

CASSONE\_S006 ( 6) stato limite ultimo - ASTA ( 66- 302) 288  
 0.0

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
5- 4			0.0	0.0	0.0	-3.1	3.5	1.5
4- 3			0.0	0.0	0.0	1.2	-6.9	-0.6
4- 4			0.0	0.0	0.0	1.3	-6.9	-0.7

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5- 4	si	3	Sx	-0.2	0.0	0.0	0.2	
4- 3	si	7	Tz	0.1	-2.0	0.0	3.5	
4- 4	si	10	Ty	0.1	0.0	1.8	3.1	
4- 4	si	8	Si	0.1	-2.0	0.0	3.5	

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			-6.0	-109.7	0.0	-0.7	25.7	-1.4

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	-4.7	0.0	0.0	4.7	
1-1	si	7	Tz	0.1	7.5	0.0	13.1	
1-1	si	9	Ty	-4.5	0.0	6.5	12.2	
1-1	si	8	Si	-0.1	7.5	0.0	13.1	
-----								PROGR. 17.
SOLLECI TAZI ONI :								
Caso	MZ		MY	MT	N	TZ	TY	
1-1	-24.0		-438.9	0.0	-1.4	51.3	-2.8	
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	-18.6	0.0	0.0	18.6	
1-1	si	7	Tz	0.3	15.1	0.0	26.1	
1-1	si	9	Ty	-17.8	0.0	13.1	28.8	
1-1	si	11	Si	-18.6	0.0	-12.9	29.0	
-----								PROGR. 26.
SOLLECI TAZI ONI :								
Caso	MZ		MY	MT	N	TZ	TY	
1-1	-54.1		-987.6	0.0	-2.1	77.0	-4.2	
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	-41.8	0.0	0.0	41.8	
1-1	si	7	Tz	0.8	22.6	0.0	39.2	
1-1	si	9	Ty	-40.0	0.0	19.6	52.4	
1-1	si	11	Si	-41.7	0.0	-19.3	53.5	
-----								PROGR. 34.
SOLLECI TAZI ONI :								
Caso	MZ		MY	MT	N	TZ	TY	
1-1	-96.2		-1755.7	0.0	-2.8	102.6	-5.6	
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	-74.2	0.0	0.0	74.2	
1-1	si	7	Tz	1.5	30.2	0.0	52.3	
1-1	si	9	Ty	-71.0	0.0	26.1	84.2	
1-1	si	11	Si	-74.1	0.0	-25.7	86.5	
-----								PROGR. 43.
SOLLECI TAZI ONI :								
Caso	MZ		MY	MT	N	TZ	TY	
1-1	-150.2		-2743.2	0.0	-3.5	128.3	-7.0	
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	-115.9	0.0	0.0	115.9	
1-1	si	7	Tz	2.4	37.7	0.0	65.3	
1-1	si	9	Ty	-110.9	0.0	32.6	124.5	
1-1	si	11	Si	-115.7	0.0	-32.2	128.4	
-----								PROGR. 51.
SOLLECI TAZI ONI :								
Caso	MZ		MY	MT	N	TZ	TY	
1-1	-216.3		-3950.3	0.0	-4.2	154.0	-8.4	
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	-166.8	0.0	0.0	166.8	
1-1	si	7	Tz	3.5	45.2	0.0	78.4	
1-1	si	9	Ty	-159.7	0.0	39.2	173.5	
1-1	si	11	Si	-166.6	0.0	-38.6	179.5	
-----								PROGR. 60.
SOLLECI TAZI ONI :								
Caso	MZ		MY	MT	N	TZ	TY	
1-1	-294.5		-5376.8	0.0	-4.9	179.6	-9.8	
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	-227.0	0.0	0.0	227.0	
1-1	si	7	Tz	4.8	52.8	0.0	91.5	
1-1	si	9	Ty	-217.3	0.0	45.7	231.3	
1-1	si	11	Si	-226.7	0.0	-45.0	239.7	
-----								PROGR. 68.
SOLLECI TAZI ONI :								
Caso	MZ		MY	MT	N	TZ	TY	
1-1	-384.6		-7022.7	0.0	-5.6	205.3	-11.2	
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	-296.5	0.0	0.0	296.5	
1-1	si	7	Tz	6.3	60.3	0.0	104.7	
1-1	si	9	Ty	-283.8	0.0	52.2	297.8	
1-1	si	11	Si	-296.0	0.0	-51.5	309.2	
-----								PROGR. 7.
SOLLECI TAZI ONI :								
Caso	MZ		MY	MT	N	TZ	TY	
1-1	-336.5		-10988.1	8661.7	43.5	-280.0	85.5	
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	461.3	0.0	170.7	547.9	
1-1	si	7	Tz	8.2	-252.9	0.0	438.2	
1-1	si	9	Ty	-445.3	0.0	-244.2	614.2	
1-1	si	10	Si	460.9	0.0	238.6	619.0	
-----								PROGR. 7.
SOLLECI TAZI ONI :								
Caso	MZ		MY	MT	N	TZ	TY	
1-1	289.6		-9003.8	8661.7	42.9	-257.8	84.2	
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	378.6	0.0	170.7	480.4	
1-1	si	7	Tz	-2.6	-246.4	0.0	426.8	
1-1	si	9	Ty	-373.5	0.0	-238.6	557.0	
1-1	si	12	Si	378.3	0.0	-238.6	560.2	
-----								PROGR. 15.
SOLLECI TAZI ONI :								
Caso	MZ		MY	MT	N	TZ	TY	
1-1	906.8		-7182.9	8661.7	42.2	-235.7	83.0	
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	314.0	0.0	170.7	431.3	
1-1	si	7	Tz	-13.1	-239.9	0.0	415.8	

VERIFI CA STABI LI TA` :

Z | L0 = 68. | Ro = 4.94 | Im = 13.9 | Ncr= 1943438.1 | al fa(a )=0.2100 | ki=1.0000  
 Y | Lc = 68. | Ro = 1.64 | Im = 41.7 | Ncr= 214707.8 | al fa(a )=0.2100 | ki=0.9095  
 Caso 1- 1 - Nodo 4 - Asse Y  
 Ned = -5.6 | Mzeq = -288.5 | Myeq = -5267.0 | Ss = -222.5 ( 0.066)

CASSONE\_S006 ( 6) stato limite ultimo - ASTA ( 302- 65) 289  
 0. ----- PROGR.

Caso	MZ		MY	MT	N	TZ	TY	
1-1	-336.5		-10988.1	8661.7	43.5	-280.0	85.5	
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	461.3	0.0	170.7	547.9	
1-1	si	7	Tz	8.2	-252.9	0.0	438.2	
1-1	si	9	Ty	-445.3	0.0	-244.2	614.2	
1-1	si	10	Si	460.9	0.0	238.6	619.0	
-----								PROGR. 7.
SOLLECI TAZI ONI :								
Caso	MZ		MY	MT	N	TZ	TY	
1-1	289.6		-9003.8	8661.7	42.9	-257.8	84.2	
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	378.6	0.0	170.7	480.4	
1-1	si	7	Tz	-2.6	-246.4	0.0	426.8	
1-1	si	9	Ty	-373.5	0.0	-238.6	557.0	
1-1	si	12	Si	378.3	0.0	-238.6	560.2	
-----								PROGR. 15.
SOLLECI TAZI ONI :								
Caso	MZ		MY	MT	N	TZ	TY	
1-1	906.8		-7182.9	8661.7	42.2	-235.7	83.0	
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	314.0	0.0	170.7	431.3	
1-1	si	7	Tz	-13.1	-239.9	0.0	415.8	



1-1	si	9	Ty	-308.3	0.0	-232.9	507.8		22.
1-1	si	12	Si	313.0	0.0	-232.9	510.7		

SOLLECI TAZI ONI : ----- PROGR.

Caso			MZ	MY	MT	N	TZ	TY
1-1			1515.0	-5525.3	8661.7	41.6	-213.6	81.8

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	256.0	0.0	170.7	391.1	
1-1	si	7	Tz	-23.6	-233.4	0.0	405.0	
1-1	si	9	Ty	-249.7	0.0	-227.3	466.2	
1-1	si	12	Si	254.3	0.0	-227.3	468.7	

SOLLECI TAZI ONI : ----- PROGR.

Caso			MZ	MY	MT	N	TZ	TY
1-1			2114.3	-4031.0	8661.7	41.0	-191.4	80.6

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	204.6	0.0	170.7	359.5	
1-1	si	7	Tz	-33.8	-226.9	0.0	394.5	
1-1	si	9	Ty	-197.7	0.0	-221.7	431.9	
1-1	si	12	Si	202.2	0.0	-221.7	434.0	

SOLLECI TAZI ONI : ----- PROGR.

Caso			MZ	MY	MT	N	TZ	TY
5-7			1973.5	-4255.3	5552.6	22.8	7.2	44.4
1-1			2704.7	-2700.1	8661.7	40.4	-169.3	79.4

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-7	si	3	Sx	210.5	0.0	109.4	283.2	
1-1	si	7	Tz	-44.0	-220.4	0.0	384.3	
1-1	si	9	Ty	-152.2	0.0	-216.1	404.0	
1-1	si	12	Si	156.7	0.0	-216.1	405.7	

SOLLECI TAZI ONI : ----- PROGR.

Caso			MZ	MY	MT	N	TZ	TY
5-7			2445.8	-4341.7	5552.6	22.3	16.0	43.5
1-1			3286.1	-1532.6	8661.7	39.8	-147.2	78.2

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-7	si	3	Sx	222.1	0.0	109.4	291.9	
1-1	si	7	Tz	-53.9	-213.9	0.0	374.4	
1-1	si	9	Ty	-113.4	0.0	-210.4	381.7	
1-1	si	12	Si	117.8	0.0	-210.4	383.0	

SOLLECI TAZI ONI : ----- PROGR.

Caso			MZ	MY	MT	N	TZ	TY
5-7			2920.0	-4494.9	5552.6	21.8	24.9	42.6
1-1			3858.6	-528.4	8661.7	39.2	-125.0	77.0

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-7	si	3	Sx	236.5	0.0	109.4	303.0	
1-1	si	7	Tz	-63.7	-207.4	0.0	364.8	
1-1	si	9	Ty	-81.1	0.0	-204.8	363.9	
1-1	si	16	Si	84.4	-206.4	0.0	367.4	

SOLLECI TAZI ONI : ----- PROGR.

Caso			MZ	MY	MT	N	TZ	TY
5-7			3391.9	-4718.8	5552.6	21.4	33.7	41.6
1-1			4422.1	312.4	8661.7	38.6	-102.9	75.8

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-7	si	3	Sx	253.7	0.0	109.4	316.7	
1-1	si	7	Tz	-73.4	-200.9	0.0	355.6	
1-1	si	9	Ty	-55.5	0.0	-199.2	349.4	
1-1	si	8	Si	77.7	-200.9	0.0	356.5	

VERIFICA STABILITA' : asta tesa per tutti i casi di carico.

CASSONE\_S006 ( 6 ) stato limite ultimo - ASTA ( 67- 300) 290

----- PROGR. 0.

Caso			MZ	MY	MT	N	TZ	TY
5-7			0.0	0.0	0.0	-0.3	-0.9	0.1
4-9			0.0	0.0	0.0	0.1	-3.1	0.0
4-16			0.0	0.0	0.0	-0.1	3.1	0.0
4-10			0.0	0.0	0.0	-0.1	-3.1	0.0

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-7	si	1	Sx	0.0	0.0	0.0	0.0	
4-9	si	7	Tz	0.0	-0.9	0.0	1.6	
4-16	si	10	Ty	0.0	0.0	-0.8	1.4	
4-10	si	7	Si	0.0	-0.9	0.0	1.6	

SOLLECI TAZI ONI : ----- PROGR.

Caso			MZ	MY	MT	N	TZ	TY
1-1			-6.0	-109.7	0.0	-0.7	25.7	-1.4

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	-4.7	0.0	0.0	4.7	
1-1	si	7	Tz	0.1	7.5	0.0	13.1	
1-1	si	9	Ty	-4.5	0.0	6.5	12.2	
1-1	si	8	Si	-0.1	7.5	0.0	13.1	

SOLLECI TAZI ONI : ----- PROGR.

Caso			MZ	MY	MT	N	TZ	TY
1-1			-24.0	-438.9	0.0	-1.4	51.3	-2.8

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	-18.6	0.0	0.0	18.6	
1-1	si	7	Tz	0.3	15.1	0.0	26.1	
1-1	si	9	Ty	-17.8	0.0	13.1	28.8	
1-1	si	11	Si	-18.6	0.0	-12.9	29.0	

SOLLECI TAZI ONI : ----- PROGR.

Caso			MZ	MY	MT	N	TZ	TY
1-1			-54.1	-987.6	0.0	-2.1	77.0	-4.2

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	-41.8	0.0	0.0	41.8	
1-1	si	7	Tz	0.8	22.6	0.0	39.2	
1-1	si	9	Ty	-40.0	0.0	19.6	52.4	
1-1	si	11	Si	-41.7	0.0	-19.3	53.5	

SOLLECI TAZI ONI										PROGR.	34.
Caso	1-1		MZ		MY		MT		N	TZ	TY
TENSI ONI	(Sz=	0.00)	-96.2		-1755.7		0.0		-2.8	102.6	-5.6
Caso	1-1	si	4	Sx		Sz		Tz		Ty	Si
TENSI ONI	(Sz=	0.00)		-74.2		0.0		0.0		74.2	
Caso	1-1	si	7	Tz		0.0		0.0		52.3	
TENSI ONI	(Sz=	0.00)		1.5		30.2		0.0		84.2	
Caso	1-1	si	9	Ty		0.0		26.1		86.5	
TENSI ONI	(Sz=	0.00)		-71.0		0.0		-25.7			
Caso	1-1	si	11	Si		0.0					
TENSI ONI	(Sz=	0.00)		-74.1		0.0					
SOLLECI TAZI ONI										PROGR.	43.
Caso	1-1		MZ		MY		MT		N	TZ	TY
TENSI ONI	(Sz=	0.00)	-150.2		-2743.2		0.0		-3.5	128.3	-7.0
Caso	1-1	si	4	Sx		Sz		Tz		Ty	Si
TENSI ONI	(Sz=	0.00)		-115.9		0.0		0.0		115.9	
Caso	1-1	si	7	Tz		0.0		0.0		65.3	
TENSI ONI	(Sz=	0.00)		2.4		37.7		0.0		124.5	
Caso	1-1	si	9	Ty		0.0		32.6		128.4	
TENSI ONI	(Sz=	0.00)		-110.9		0.0		-32.2			
Caso	1-1	si	11	Si		0.0					
TENSI ONI	(Sz=	0.00)		-115.7		0.0					
SOLLECI TAZI ONI										PROGR.	51.
Caso	1-1		MZ		MY		MT		N	TZ	TY
TENSI ONI	(Sz=	0.00)	-216.3		-3950.3		0.0		-4.2	154.0	-8.4
Caso	1-1	si	4	Sx		Sz		Tz		Ty	Si
TENSI ONI	(Sz=	0.00)		-166.8		0.0		0.0		166.8	
Caso	1-1	si	7	Tz		0.0		0.0		78.4	
TENSI ONI	(Sz=	0.00)		3.5		45.2		0.0		173.5	
Caso	1-1	si	9	Ty		0.0		39.2		179.5	
TENSI ONI	(Sz=	0.00)		-159.7		0.0		-38.6			
Caso	1-1	si	11	Si		0.0					
TENSI ONI	(Sz=	0.00)		-166.6		0.0					
SOLLECI TAZI ONI										PROGR.	60.
Caso	1-1		MZ		MY		MT		N	TZ	TY
TENSI ONI	(Sz=	0.00)	-294.5		-5376.8		0.0		-4.9	179.6	-9.8
Caso	1-1	si	4	Sx		Sz		Tz		Ty	Si
TENSI ONI	(Sz=	0.00)		-227.0		0.0		0.0		227.0	
Caso	1-1	si	7	Tz		0.0		0.0		91.5	
TENSI ONI	(Sz=	0.00)		4.8		52.8		0.0		231.3	
Caso	1-1	si	9	Ty		0.0		45.7		239.7	
TENSI ONI	(Sz=	0.00)		-217.3		0.0		-45.0			
Caso	1-1	si	11	Si		0.0					
TENSI ONI	(Sz=	0.00)		-226.7		0.0					
SOLLECI TAZI ONI										PROGR.	68.
Caso	1-1		MZ		MY		MT		N	TZ	TY
TENSI ONI	(Sz=	0.00)	-384.6		-7022.7		0.0		-5.6	205.3	-11.2
Caso	1-1	si	4	Sx		Sz		Tz		Ty	Si
TENSI ONI	(Sz=	0.00)		-296.5		0.0		0.0		296.5	
Caso	1-1	si	7	Tz		0.0		60.3		104.7	
TENSI ONI	(Sz=	0.00)		6.3		60.3		0.0		297.8	
Caso	1-1	si	9	Ty		0.0		52.2		309.2	
TENSI ONI	(Sz=	0.00)		-283.8		0.0		-51.5			
Caso	1-1	si	11	Si		0.0					
TENSI ONI	(Sz=	0.00)		-296.0		0.0					

VERIFI CA STABI LI TA` :

Z | LO = 68. | Ro = 4.94 | Im = 13.9 | Ncr = 1943438.1 | al fa(a)=0.2100 | ki =1.0000  
 Y | Lc = 68. | Ro = 1.64 | Im = 41.7 | Ncr = 214707.8 | al fa(a)=0.2100 | ki =0.9095  
 Caso 1- 1 - Noddo 4 - Asse Y  
 Ned = -5.6 | Mzeq = -288.5 | Myeq = -5267.0 | Ss = -222.5 ( 0.066)

CASSONE\_S006 ( 6 ) stato limite ultimo - ASTA ( 300- 69 ) 291 0.

SOLLECI TAZI ONI										PROGR.	7.
Caso	1-1		MZ		MY		MT		N	TZ	TY
TENSI ONI	(Sz=	0.00)	5538.7		-10905.2		8070.0		33.2	-277.6	-139.8
Caso	1-1	si	3	Sx		Sz		Tz		Ty	Si
TENSI ONI	(Sz=	0.00)		546.2		0.0		159.0		611.7	
Caso	1-1	si	7	Tz		0.0		0.0		426.9	
TENSI ONI	(Sz=	0.00)		-92.8		-240.6		0.0		543.9	
Caso	1-1	si	10	Ty		0.0		233.8		665.3	
TENSI ONI	(Sz=	0.00)		363.2		0.0		-224.5			
Caso	1-1	si	12	Si		0.0					
TENSI ONI	(Sz=	0.00)		539.9		0.0					
SOLLECI TAZI ONI										PROGR.	15.
Caso	1-1		MZ		MY		MT		N	TZ	TY
TENSI ONI	(Sz=	0.00)	4503.0		-8938.2		8070.0		32.5	-255.5	-141.0
Caso	1-1	si	3	Sx		Sz		Tz		Ty	Si
TENSI ONI	(Sz=	0.00)		447.3		0.0		159.0		525.3	
Caso	1-1	si	7	Tz		0.0		0.0		412.4	
TENSI ONI	(Sz=	0.00)		-75.1		-234.1		0.0		495.4	
Caso	1-1	si	10	Ty		0.0		228.2		582.5	
TENSI ONI	(Sz=	0.00)		298.6		0.0		-218.9			
Caso	1-1	si	12	Si		0.0					
TENSI ONI	(Sz=	0.00)		442.2		0.0					
SOLLECI TAZI ONI										PROGR.	22.
Caso	1-1		MZ		MY		MT		N	TZ	TY
TENSI ONI	(Sz=	0.00)	3458.4		-7134.4		8070.0		31.9	-233.4	-142.2
Caso	1-1	si	3	Sx		Sz		Tz		Ty	Si
TENSI ONI	(Sz=	0.00)		355.1		0.0		159.0		449.4	
Caso	1-1	si	7	Tz		0.0		0.0		398.3	
TENSI ONI	(Sz=	0.00)		-57.3		-227.6		0.0		454.7	
Caso	1-1	si	10	Ty		0.0		222.7		509.6	
TENSI ONI	(Sz=	0.00)		240.8		0.0		-213.3			
Caso	1-1	si	12	Si		0.0					
TENSI ONI	(Sz=	0.00)		351.1		0.0					
SOLLECI TAZI ONI										PROGR.	30.
Caso	1-1		MZ		MY		MT		N	TZ	TY
TENSI ONI	(Sz=	0.00)	2404.8		-5494.1		8070.0		31.3	-211.2	-143.4
Caso	1-1	si	3	Sx		Sz		Tz		Ty	Si
TENSI ONI	(Sz=	0.00)		269.4		0.0		159.0		385.3	
Caso	1-1	si	7	Tz		0.0		0.0		384.9	
TENSI ONI	(Sz=	0.00)		-39.3		-221.1		0.0		421.3	
Caso	1-1	si	10	Ty		0.0		217.1		447.7	
TENSI ONI	(Sz=	0.00)		190.0		0.0		-207.6			
Caso	1-1	si	12	Si		0.0					
TENSI ONI	(Sz=	0.00)		266.6		0.0					
SOLLECI TAZI ONI										PROGR.	37.
Caso	1-1		MZ		MY		MT		N	TZ	TY
TENSI ONI	(Sz=	0.00)	1342.2		-4017.0		8070.0		30.7	-189.1	-144.6
Caso	1-1	si	3	Sx		Sz		Tz		Ty	Si
TENSI ONI	(Sz=	0.00)		190.3		0.0		159.0		334.8	
Caso	1-1	si	7	Tz		0.0		0.0		372.3	
TENSI ONI	(Sz=	0.00)		-21.2		-214.6		0.0		394.4	
Caso	1-1	si	10	Ty		0.0		211.6		397.5	
TENSI ONI	(Sz=	0.00)		146.0		0.0		-202.0			
Caso	1-1	si	12	Si		0.0					
TENSI ONI	(Sz=	0.00)		188.8		0.0					

5-7	-392.7	-4065.8	6337.5	0.8	-5.7	-43.7	
1-1	270.7	-2703.4	8070.0	30.1	-167.0	-145.8	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-7	si	2	Sx	174.4	0.0	124.9	277.9
1-1	si	7	Tz	-3.0	-208.1	0.0	360.4
1-1	si	10	TySi	108.8	0.0	206.0	373.0

----- PROGR. 44.

SOLLECI TAZI ONI :							
Caso	MZ		MY	MT	N	TZ	TY
5-7	-731.0	-4055.1	6337.5	0.3	0.3	3.1	-44.6
1-1	-809.7	-1553.1	8070.0	29.5	29.5	-144.8	-147.0
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-7	si	2	Sx	179.7	0.0	124.9	281.2
1-1	si	14	Tz	-60.2	-201.8	0.0	354.8
1-1	si	10	TySi	78.6	0.0	200.4	356.0

----- PROGR. 52.

SOLLECI TAZI ONI :							
Caso	MZ		MY	MT	N	TZ	TY
5-7	-1166.0	-4110.3	6337.5	-0.2	-0.2	12.0	-45.5
1-1	-1899.1	-566.1	8070.0	28.9	28.9	-122.7	-148.2
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-7	si	4	Sx	-189.4	0.0	124.9	287.5
1-1	si	14	Tz	-48.3	-195.9	0.0	342.7
1-1	si	10	Ty	55.2	0.0	194.9	342.1
1-1	si	15	Si	51.6	-195.9	0.0	343.2

----- PROGR. 59.

SOLLECI TAZI ONI :							
Caso	MZ		MY	MT	N	TZ	TY
5-14	-1139.9	4494.8	268.7	16.3	16.3	-103.5	-79.7
1-1	-2997.4	257.5	8070.0	28.3	28.3	-100.5	-149.5
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-14	si	1	Sx	205.7	0.0	5.3	205.9
1-1	si	14	Tz	-41.7	-189.9	0.0	331.6
1-1	si	10	Ty	38.7	0.0	189.3	330.2
1-1	si	15	Si	44.8	-189.9	0.0	332.0

## VERIFI CA STABI LI TA` :

Z | LO = 59. | Ro = 4.94 | Im = 12.0 | Ncr = 2610993.0 | al fa(a) = 0.2100 | ki = 1.0000  
 Y | Lc = 59. | Ro = 1.64 | Im = 36.0 | Ncr = 288458.2 | al fa(a) = 0.2100 | ki = 0.9331  
 Caso 5-7 - Nodo 4 - Asse Y  
 Ned = -0.6 | Mzeq = -1278.4 | Myeq = -5101.9 | Ss = -232.3 ( 0.069)

CASSONE\_S006 ( 6) stato limite ultimo - ASTA ( 69- 298) 292  
----- PROGR. 0.

SOLLECI TAZI ONI :							
Caso	MZ		MY	MT	N	TZ	TY
5-14	-1139.9	4494.8	268.7	15.8	15.8	-101.9	-79.5
1-1	-2997.4	257.5	8070.0	28.3	28.3	-100.5	-149.5
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-14	si	1	Sx	205.7	0.0	5.3	205.9
1-1	si	14	Tz	-41.7	-189.9	0.0	331.6
1-1	si	10	Ty	38.7	0.0	189.3	330.2
1-1	si	15	Si	44.8	-189.9	0.0	332.0

----- PROGR. 9.

SOLLECI TAZI ONI :							
Caso	MZ		MY	MT	N	TZ	TY
5-14	-2214.8	5322.4	268.7	15.3	15.3	-91.7	-80.6
1-1	-4281.7	1007.8	8070.0	27.6	27.6	-74.9	-150.9
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-14	si	1	Sx	258.2	0.0	5.3	258.3
1-1	si	14	Tz	-40.4	-183.0	0.0	319.6
1-1	si	10	Ty	28.2	0.0	182.9	318.1
1-1	si	7	Si	74.7	-181.0	0.0	322.3

----- PROGR. 17.

SOLLECI TAZI ONI :							
Caso	MZ		MY	MT	N	TZ	TY
5-14	-2907.9	6062.2	268.7	14.7	14.7	-81.4	-81.6
1-1	-5578.0	1538.6	8070.0	26.9	26.9	-49.2	-152.3
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-14	si	1	Sx	300.5	0.0	5.3	300.6
1-1	si	14	Tz	-46.2	-176.1	0.0	308.5
1-1	si	10	Ty	27.0	0.0	176.5	306.9
1-1	si	9	Si	153.9	0.0	-166.4	326.8

----- PROGR. 26.

SOLLECI TAZI ONI :							
Caso	MZ		MY	MT	N	TZ	TY
5-14	-3611.1	6714.4	268.7	14.2	14.2	-71.1	-82.7
1-1	-6886.3	1849.9	8070.0	26.2	26.2	-23.6	-153.7
5-7	-2542.4	-5120.6	6337.5	-2.7	-2.7	50.1	-49.5
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-14	si	1	Sx	339.4	0.0	5.3	339.5
1-1	si	14	Tz	-59.0	-169.2	0.0	298.9
1-1	si	5	Ty	77.7	0.0	172.7	309.0
5-7	si	11	Si	-251.9	0.0	-135.9	344.7

----- PROGR. 34.

SOLLECI TAZI ONI :							
Caso	MZ		MY	MT	N	TZ	TY
5-14	-4323.7	7278.8	268.7	13.6	13.6	-60.9	-83.8
1-1	-8206.6	1941.8	8070.0	25.5	25.5	2.1	-155.1
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-14	si	1	Sx	374.8	0.0	5.3	374.9
1-1	si	13	Tz	201.7	163.4	0.0	347.6
1-1	si	5	Ty	81.5	0.0	172.8	310.2

----- PROGR. 43.

SOLLECI TAZI ONI :							
Caso	MZ		MY	MT	N	TZ	TY
5-14	-5045.6	7755.5	268.7	13.1	13.1	-50.6	-84.9
1-1	-9538.9	1814.2	8070.0	24.8	24.8	27.7	-156.5
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-14	si	1	Sx	406.7	0.0	5.3	406.8
1-1	si	13	Tz	220.5	170.4	0.0	368.4

1- 1 | si | 5 | Ty | 76.2 | 0.0 | 172.9 | 309.0 |  
----- PROGR. 51.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5-14	-5776.6	8144.5	268.7	12.6	-40.4	-86.0
1- 1	-10883.3	1467.2	8070.0	24.1	53.4	-157.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
5-14	si	1	Sx	435.2	0.0	5.3	435.3
1- 1	si	13	Tz	232.6	177.4	0.0	385.4
1- 1	si	9	Ty	235.4	0.0	177.7	387.5

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5-14	-6516.9	8445.6	268.7	12.0	-30.1	-87.0
1- 1	-12239.7	900.7	8070.0	23.4	79.1	-159.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
5-14	si	1	Sx	460.3	0.0	5.3	460.4
1- 1	si	13	Tz	238.3	184.4	0.0	398.4
1- 1	si	9	Ty	233.6	0.0	184.2	395.5

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5-14	-7266.3	8659.0	268.7	11.5	-19.8	-88.1
1- 1	-13608.1	114.7	8070.0	22.7	104.7	-160.7
5- 7	-4772.2	-8359.9	6337.5	-5.4	101.4	-54.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
5-14	si	1	Sx	481.8	0.0	5.3	481.9
1- 1	si	13	Tz	237.3	191.3	0.0	407.6
1- 1	si	9	Ty	223.0	0.0	190.8	398.6
5- 7	si	11	Si	-421.1	0.0	-148.7	493.6

## VERI F I CA STABI LI TA` :

Z LO = 68. Lc = 68. Ro = 4.94 | Im = 13.9 | Ncr = 1943438.1 | al fa(a )=0.2100 | ki=1.0000  
Y Lc = 68. Ro = 1.64 | Im = 41.7 | Ncr = 214707.8 | al fa(a )=0.2100 | ki=0.9095

Caso 4-10 - Nodo 4 - Asse Y  
Ned = -6.2 | Mzeq = -4537.7 | Myeq = -7504.8 | Ss = -387.4 ( 0.115)

CASSONE\_S006 ( 6) stato limite ultimo - ASTA ( 298- 82) 293 0.  
----- PROGR.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-10	-4052.2	-10044.7	10269.7	-3.4	19.2	-103.9
1- 1	-7351.0	-4766.3	18415.9	199.4	-191.9	-34.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
4-10	si	4	Sx	-483.6	0.0	202.4	597.3
1- 1	si	7	Tz	136.7	-419.3	0.0	738.9
1- 1	si	10	Ty	324.8	0.0	412.5	784.8

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-10	-4188.7	-10096.3	10269.7	-3.6	22.1	-104.2
1- 1	-7434.6	-4311.0	18415.9	199.2	-184.7	-34.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
4-10	si	4	Sx	-488.1	0.0	202.4	600.9
1- 1	si	7	Tz	138.1	-417.1	0.0	735.6
1- 1	si	10	Ty	307.4	0.0	410.7	774.9

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-10	-4365.2	-10155.1	10269.7	-3.8	25.0	-104.5
1- 1	-7519.2	-3873.3	18415.9	199.0	-177.4	-35.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
4-10	si	4	Sx	-493.6	0.0	202.4	605.3
1- 1	si	7	Tz	139.5	-415.0	0.0	732.2
1- 1	si	10	Ty	290.7	0.0	408.8	765.5

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-10	-4566.3	-10220.9	10269.7	-3.9	27.9	-104.8
1- 1	-7604.7	-3453.1	18415.9	198.8	-170.2	-35.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
4-10	si	4	Sx	-499.7	0.0	202.4	610.4
1- 1	si	7	Tz	141.0	-412.9	0.0	728.9
1- 1	si	10	Ty	274.7	0.0	407.0	756.6

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-10	-4779.9	-10293.8	10269.7	-4.1	30.8	-105.1
1- 1	-7691.2	-3050.5	18415.9	198.6	-162.9	-36.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
4-10	si	4	Sx	-506.4	0.0	202.4	615.8
1- 1	si	7	Tz	142.4	-410.7	0.0	725.5
1- 1	si	10	Ty	259.5	0.0	405.2	748.3

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-10	-5000.8	-10373.8	10269.7	-4.2	33.7	-105.4
1- 1	-7778.6	-2665.3	18415.9	198.4	-155.7	-36.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
4-10	si	4	Sx	-513.5	0.0	202.4	621.7
1- 1	si	7	Tz	143.9	-408.6	0.0	722.2
1- 1	si	10	Ty	245.0	0.0	403.4	740.4

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-10	-5226.4	-10460.9	10269.7	-4.4	36.6	-105.7
1- 1	-7867.0	-2297.8	18415.9	198.2	-148.4	-36.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
4-10	si	4	Sx	-520.9	0.0	202.4	627.8
1- 1	si	7	Tz	145.4	-406.5	0.0	718.9
1- 1	si	10	Ty	231.2	0.0	401.6	733.0

----- PROGR. 17.

SOLLECI TAZI ONI		MZ	MY	MT	N	TZ	TY
Caso	4-10	-5455.7	-10555.1	10269.7	-4.5	39.5	-106.0
	1-1	-7956.4	-1947.7	18415.9	198.0	-141.2	-37.2

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-10	si	4	Sx	-528.7	0.0	202.4	634.3
1-1	si	7	Tz	146.9	-404.3	0.0	715.6
1-1	si	10	Ty	218.2	0.0	399.8	726.0
1-1	si	15	Si	207.2	-402.0	0.0	726.4

----- PROGR. 19.

SOLLECI TAZI ONI		MZ	MY	MT	N	TZ	TY
Caso	5-7	-5718.6	-10693.4	10407.9	-8.0	62.7	-116.9
	1-1	-8046.7	-1615.2	18415.9	197.9	-133.9	-37.6

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-7	si	4	Sx	-539.1	0.0	205.1	645.6
1-1	si	7	Tz	148.5	-402.2	0.0	712.3
1-1	si	10	Ty	205.9	0.0	397.9	719.3
1-1	si	15	Si	198.4	-400.0	0.0	720.7

VERIFI CA STABI LITA` :

Z | LO = 19. | Ro = 4.94 | Im = 3.9 | Ncr= 24320995.1 | al fa(a )=0.2100 | ki=1.0000 |  
 Y | Lc = 19. | Ro = 1.64 | Im = 11.8 | Ncr= 2686943.7 | al fa(a )=0.2100 | ki=1.0000 |  
 Caso 5- 7 - Nodo 4 - Asse Y  
 Ned = -8.0 | Mzeq = -5718.6 | Myeq = -10693.4 | Ss = -539.1 ( 0.159 )

RETTANGOLARE\_S007 ( 7 ) stato li mi te ul ti mo - ASTA ( 2- 9 ) 115  
 0. ----- PROGR.

SOLLECI TAZI ONI

Caso	MZ	MY	MT	N	TZ	TY
5-16	-7531.5	-20766.2	-349.3	37.4	-439.3	120.0
1-1	-2487.8	-20237.5	-122.5	86.7	-490.1	11.1
4-7	-6933.3	-19087.4	-546.8	44.2	-408.9	108.9

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-16	si	2	Sx	1403.9	0.0	11.9	1404.0
1-1	si	7	Tz	7.7	-12.3	0.0	22.6
4-7	si	5	Ty	-1271.8	0.0	-21.4	1272.3

----- PROGR. 14.

SOLLECI TAZI ONI		MZ	MY	MT	N	TZ	TY
Caso	5-16	-5919.6	-14941.8	-349.3	37.4	-419.9	120.0
	1-1	-2337.0	-13868.1	-122.5	86.7	-449.2	11.1
	4-7	-5404.9	-13666.5	-546.8	44.2	-389.5	108.9

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-16	si	2	Sx	1011.5	0.0	11.9	1011.8
1-1	si	7	Tz	7.3	-11.2	0.0	20.8
4-7	si	5	Ty	-910.4	0.0	-21.4	911.1

----- PROGR. 27.

SOLLECI TAZI ONI		MZ	MY	MT	N	TZ	TY
Caso	5-16	-4308.5	-9382.2	-349.3	37.4	-400.5	120.0
	1-1	-2186.2	-8052.8	-122.5	86.7	-408.4	11.1
	4-7	-3874.7	-8503.9	-546.8	44.2	-370.1	108.9

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-16	si	2	Sx	636.9	0.0	11.9	637.2
1-1	si	7	Tz	6.9	-10.2	0.0	19.0
4-7	si	5	Ty	-566.2	0.0	-21.4	567.4

----- PROGR. 41.

SOLLECI TAZI ONI		MZ	MY	MT	N	TZ	TY
Caso	5-16	-2592.0	-4089.3	-349.3	37.4	-381.1	120.0
	4-7	-2697.6	-3592.7	-546.8	44.2	-350.7	108.9

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-16	si	2	Sx	279.7	0.0	11.9	280.5
5-16	si	7	Tz	7.1	-9.5	0.0	18.0
4-7	si	5	Ty	-238.8	0.0	-21.4	241.6

----- PROGR. 54.

SOLLECI TAZI ONI		MZ	MY	MT	N	TZ	TY
Caso	1-1	-1884.6	1915.6	-122.5	86.7	-326.6	11.1
	5-16	-986.7	932.8	-349.3	37.4	-361.7	120.0
	4-7	-1225.7	1084.3	-546.8	44.2	-331.3	108.9

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	1	Sx	133.9	0.0	4.2	134.1
5-16	si	7	Tz	3.1	-9.0	0.0	16.0
4-7	si	5	Ty	73.0	0.0	-21.4	81.9

----- PROGR. 68.

SOLLECI TAZI ONI		MZ	MY	MT	N	TZ	TY
Caso	1-1	-1733.8	6068.7	-122.5	86.7	-285.8	11.1
	5-16	665.9	5760.1	-349.3	37.4	-342.3	120.0
	4-7	260.0	5262.9	-546.8	44.2	-311.9	108.9

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	1	Sx	410.4	0.0	4.2	410.4
5-16	si	7	Tz	-1.0	-8.6	0.0	14.9
4-7	si	5	Ty	351.6	0.0	-21.4	353.5

----- PROGR. 81.

SOLLECI TAZI ONI		MZ	MY	MT	N	TZ	TY
Caso	5-16	2292.1	10262.8	-349.3	37.4	-322.8	120.0
	4-7	1737.5	9386.0	-546.8	44.2	-292.5	108.9

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-16	si	4	Sx	690.5	0.0	11.9	690.9
5-16	si	7	Tz	-5.1	-8.1	0.0	14.9
4-7	si	5	Ty	626.5	0.0	-21.4	627.6

----- PROGR. 95.

SOLLECI TAZI ONI		MZ	MY	MT	N	TZ	TY
Caso	5-16	3919.1	14506.2	-349.3	37.4	-303.4	120.0
	4-7	3214.9	13233.1	-546.8	44.2	-273.1	108.9

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-16	si	4	Sx Si	977.5	0.0	11.9	977.7
5-16	si	7	Tz	-9.2	-7.6	0.0	16.0
4-7	si	5	Ty	882.9	0.0	-21.4	883.7

SOLLECCI TAZI ONI : ----- PROGR. 108.

Caso	MZ	MY	MT	N	TZ	TY
5-16	5546.2	18488.0	-349.3	37.4	-284.0	120.0
4-7	4692.2	16811.7	-546.8	44.2	-253.7	108.9

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-16	si	4	Sx Si	1247.0	0.0	11.9	1247.2
5-16	si	7	Tz	-13.2	-7.1	0.0	18.1
4-7	si	5	Ty	1121.5	0.0	-21.4	1122.1

ATTENZIONE : la snellezza supera il limite di 250.0

VERIFICA STABILITA` : asta tesa per tutti i casi di carico.

RETTANGOLARE\_S007 ( 7 ) stato limite ultimo - ASTA ( 9- 84) 116 0. PROGR.

SOLLECCI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-533.9	0.0	0.0	-58.2	0.0
4-5	289.4	-311.0	0.0	9.0	-31.5	-19.3

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	3	Sx Si	35.6	0.0	0.0	35.6
1-1	si	7	Tz	0.0	-1.5	0.0	2.5
4-5	si	5	Ty	-20.6	0.0	0.5	20.6

----- PROGR. 2.

SOLLECCI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-430.1	0.0	0.0	-52.5	0.0
4-5	253.2	-254.5	0.0	9.0	-28.8	-19.3

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	3	Sx Si	28.7	0.0	0.0	28.7
1-1	si	7	Tz	0.0	-1.3	0.0	2.3
4-5	si	5	Ty	-16.8	0.0	0.5	16.8

----- PROGR. 4.

SOLLECCI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-336.9	0.0	0.0	-46.9	0.0
4-5	217.1	-203.1	0.0	9.0	-26.1	-19.3

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	3	Sx Si	22.5	0.0	0.0	22.5
1-1	si	7	Tz	0.0	-1.2	0.0	2.0
4-5	si	5	Ty	-13.4	0.0	0.5	13.4

----- PROGR. 6.

SOLLECCI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-254.3	0.0	0.0	-41.2	0.0
4-5	180.9	-156.6	0.0	9.0	-23.4	-19.3

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	3	Sx Si	17.0	0.0	0.0	17.0
1-1	si	7	Tz	0.0	-1.0	0.0	1.8
4-5	si	5	Ty	-10.3	0.0	0.5	10.3

----- PROGR. 8.

SOLLECCI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-182.2	0.0	0.0	-35.6	0.0
4-5	144.7	-115.2	0.0	9.0	-20.7	-19.3

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	3	Sx Si	12.1	0.0	0.0	12.1
1-1	si	7	Tz	0.0	-0.9	0.0	1.5
4-5	si	5	Ty	-7.5	0.0	0.5	7.6

----- PROGR. 9.

SOLLECCI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-120.8	0.0	0.0	-29.9	0.0
4-5	108.5	-78.9	0.0	9.0	-18.0	-19.3

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	3	Sx Si	8.1	0.0	0.0	8.1
1-1	si	7	Tz	0.0	-0.7	0.0	1.3
4-5	si	5	Ty	-5.1	0.0	0.5	5.2

----- PROGR. 11.

SOLLECCI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-69.9	0.0	0.0	-24.3	0.0
4-5	72.4	-47.6	0.0	9.0	-15.4	-19.3

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	3	Sx Si	4.7	0.0	0.0	4.7
1-1	si	7	Tz	0.0	-0.6	0.0	1.1
4-5	si	5	Ty	-3.0	0.0	0.5	3.1

----- PROGR. 13.

SOLLECCI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5-1	23.3	-21.3	0.0	32.0	-12.7	-12.4
1-1	0.0	-29.7	0.0	0.0	-18.6	0.0
4-5	36.2	-21.3	0.0	9.0	-12.7	-19.3

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-1	si	3	Sx Si	2.0	0.0	0.0	2.0
1-1	si	7	Tz	0.0	-0.5	0.0	0.8
4-5	si	5	Ty	-1.3	0.0	0.5	1.5
5-1	si	6	Si	2.0	0.0	0.3	2.0

----- PROGR. 15.

SOLLECCI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5-1	0.0	0.0	0.0	32.0	-10.0	-12.4
1-1	0.0	0.0	0.0	0.0	-13.0	0.0
4-5	0.0	0.0	0.0	9.0	-10.0	-19.3
4-1	0.0	0.0	0.0	11.5	-10.0	-19.3

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-1	si	2	Sx	0.5	0.0	0.0	0.5
1-1	si	7	Tz	0.0	-0.3	0.0	0.6
4-5	si	5	Ty	0.1	0.0	0.5	0.8

| 4- 1|si | 6| Si | 0.2| 0.0| 0.5| 0.9|

## VERI F I C A ST A B I L I T A` :

Z | LO = 15. | Ro = 11.55 | Im = 1.3 | Ncr=736930461.9 | al fa(c) =0.4900 | ki =1.0000 |  
 Y | Lc = 15. | Ro = 0.43 | Im = 34.6 | Ncr= 1036308.5 | al fa(c) =0.4900 | ki =0.8687 |  
 Caso 5-16 - Nodo 4 - Asse Y  
 Ned = -32.0 | Mzeq = -140.0 | Myeq = -233.2 | Ss = -16.5 ( 0.005)

RETTANGOLARE\_S007 ( 7) stato limite ultimo - ASTA ( 85- 2) 117  
 PROGR. 0.

## SOLLECCI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-15	0.0	0.0	0.0	1.2	10.0	-0.1
1- 1	0.0	0.0	0.0	0.0	13.0	0.0
5-13	0.0	0.0	0.0	-0.4	10.0	0.2

## TENSIO NI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-15	3	1	Sx	0.0	0.0	0.0	0.0
1- 1	3	7	Tz	0.0	0.3	0.0	0.6
5-13	5	5	Ty	0.0	0.0	0.0	0.0

## SOLLECCI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-29.7	0.0	0.0	18.6	0.0
5-13	0.4	-21.3	0.0	-0.4	12.7	0.2

## TENSIO NI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	1	1	Sx	-2.0	0.0	0.0	2.0
1- 1	1	7	Tz	0.0	0.5	0.0	0.8
5-13	5	5	Ty	-1.4	0.0	0.0	1.4

## SOLLECCI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-69.9	0.0	0.0	24.3	0.0
5-13	0.7	-47.6	0.0	-0.4	15.4	0.2

## TENSIO NI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	1	1	Sx	-4.7	0.0	0.0	4.7
1- 1	1	7	Tz	0.0	0.6	0.0	1.1
5-13	5	5	Ty	-3.2	0.0	0.0	3.2

## SOLLECCI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-120.8	0.0	0.0	29.9	0.0
5-13	1.1	-78.9	0.0	-0.4	18.0	0.2

## TENSIO NI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	1	1	Sx	-8.1	0.0	0.0	8.1
1- 1	1	7	Tz	0.0	0.7	0.0	1.3
5-13	5	5	Ty	-5.3	0.0	0.0	5.3

## SOLLECCI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-182.2	0.0	0.0	35.6	0.0
5-13	1.4	-115.2	0.0	-0.4	20.7	0.2

## TENSIO NI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	1	1	Sx	-12.1	0.0	0.0	12.1
1- 1	1	7	Tz	0.0	0.9	0.0	1.5
5-13	5	5	Ty	-7.7	0.0	0.0	7.7

## SOLLECCI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-254.3	0.0	0.0	41.2	0.0
5-13	1.8	-156.6	0.0	-0.4	23.4	0.2

## TENSIO NI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	1	1	Sx	-17.0	0.0	0.0	17.0
1- 1	1	7	Tz	0.0	1.0	0.0	1.8
5-13	5	5	Ty	-10.4	0.0	0.0	10.4

## SOLLECCI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-336.9	0.0	0.0	46.9	0.0
5-13	2.1	-203.1	0.0	-0.4	26.1	0.2

## TENSIO NI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	1	1	Sx	-22.5	0.0	0.0	22.5
1- 1	1	7	Tz	0.0	1.2	0.0	2.0
5-13	5	5	Ty	-13.5	0.0	0.0	13.5

## SOLLECCI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-430.1	0.0	0.0	52.5	0.0
5-13	2.5	-254.5	0.0	-0.4	28.8	0.2

## TENSIO NI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	1	1	Sx	-28.7	0.0	0.0	28.7
1- 1	1	7	Tz	0.0	1.3	0.0	2.3
5-13	5	5	Ty	-17.0	0.0	0.0	17.0

## SOLLECCI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-533.9	0.0	0.0	58.2	0.0
5-13	2.8	-311.0	0.0	-0.4	31.5	0.2

## TENSIO NI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	1	1	Sx	-35.6	0.0	0.0	35.6
1- 1	1	7	Tz	0.0	1.5	0.0	2.5
5-13	5	5	Ty	-20.7	0.0	0.0	20.7

## VERI F I C A ST A B I L I T A` :

Z | LO = 15. | Ro = 11.55 | Im = 1.3 | Ncr=736930461.9 | al fa(c) =0.4900 | ki =1.0000 |  
 Y | Lc = 15. | Ro = 0.43 | Im = 34.6 | Ncr= 1036308.5 | al fa(c) =0.4900 | ki =0.8687 |  
 Caso 4- 4 - Nodo 1 - Asse Y  
 Ned = -1.2 | Mzeq = 0.6 | Myeq = -233.2 | Ss = -15.6 ( 0.005)

RETTANGOLARE\_S007 ( 7) stato limite ultimo - ASTA ( 86- 87) 118

----- PROGR. 0.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5- 1	0.0	0.0	0.0	-46.5	0.0	18.4
4-10	0.0	0.0	0.0	-14.2	0.0	-8.4
5-11	0.0	0.0	0.0	45.6	0.0	-18.8
5-12	0.0	0.0	0.0	46.5	0.0	-18.8

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5- 1	si	2	Sx	-0.8	0.0	0.0	0.8
4-10	si	7	Tz	-0.2	0.0	0.0	0.2
5-11	si	5	Ty	0.8	0.0	0.5	1.1
5-12	si	5	Si	0.8	0.0	0.5	1.1

----- PROGR. 2.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5- 5	35.3	-2.5	0.0	-46.5	2.7	18.8
1- 1	0.0	-5.3	0.0	0.0	5.6	0.0
5-11	-35.3	-2.5	0.0	45.6	2.7	-18.8
5-12	-35.3	-2.5	0.0	46.5	2.7	-18.8

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5- 5	si	1	Sx	-1.0	0.0	0.0	1.0
1- 1	si	7	Tz	0.0	0.1	0.0	0.2
5-11	si	5	Ty	0.6	0.0	0.5	1.0
5-12	si	6	Si	0.9	0.0	0.5	1.2

----- PROGR. 4.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5- 5	70.6	-10.1	0.0	-46.5	5.4	18.8
1- 1	0.0	-21.2	0.0	0.0	11.3	0.0
5-11	-70.6	-10.1	0.0	45.6	5.4	-18.8
5-12	-70.6	-10.1	0.0	46.5	5.4	-18.8

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5- 5	si	1	Sx	-1.6	0.0	0.0	1.6
1- 1	si	7	Tz	0.0	0.3	0.0	0.5
5-11	si	5	Ty	0.1	0.0	0.5	0.8
5-12	si	6	Si	1.4	0.0	0.5	1.7

----- PROGR. 6.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-47.7	0.0	0.0	16.9	0.0
5-11	-105.9	-22.6	0.0	45.6	8.0	-18.8

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-3.2	0.0	0.0	3.2
1- 1	si	7	Tz	0.0	0.4	0.0	0.7
5-11	si	5	Ty	-0.7	0.0	0.5	1.1

----- PROGR. 8.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-84.7	0.0	0.0	22.6	0.0
5-11	-141.2	-40.2	0.0	45.6	10.7	-18.8

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-5.6	0.0	0.0	5.6
1- 1	si	7	Tz	0.0	0.6	0.0	1.0
5-11	si	5	Ty	-1.9	0.0	0.5	2.1

----- PROGR. 9.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-132.4	0.0	0.0	28.2	0.0
5-11	-176.5	-62.9	0.0	45.6	13.4	-18.8

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-8.8	0.0	0.0	8.8
1- 1	si	7	Tz	0.0	0.7	0.0	1.2
5-11	si	5	Ty	-3.4	0.0	0.5	3.5

----- PROGR. 11.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-190.6	0.0	0.0	33.9	0.0
5-11	-211.8	-90.6	0.0	45.6	16.1	-18.8

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-12.7	0.0	0.0	12.7
1- 1	si	7	Tz	0.0	0.8	0.0	1.5
5-11	si	5	Ty	-5.3	0.0	0.5	5.3

----- PROGR. 13.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-259.5	0.0	0.0	39.5	0.0
5-11	-247.1	-123.3	0.0	45.6	18.8	-18.8

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-17.3	0.0	0.0	17.3
1- 1	si	7	Tz	0.0	1.0	0.0	1.7
5-11	si	5	Ty	-7.5	0.0	0.5	7.5

----- PROGR. 15.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-338.9	0.0	0.0	45.2	0.0
5-11	-282.4	-161.0	0.0	45.6	21.5	-18.8

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-22.6	0.0	0.0	22.6
1- 1	si	7	Tz	0.0	1.1	0.0	2.0
5-11	si	5	Ty	-10.0	0.0	0.5	10.0

----- PROGR. 0.

VERI FI CA STABI LI TA` :

Z | LO = 15. | Ro = 11.55 | Im = 1.3 | Ncr=736930461.9 | al fa(c) = 0.4900 | ki = 1.0000 |  
 Y | Lc = 15. | Ro = 0.43 | Im = 34.6 | Ncr= 1036308.5 | al fa(c) = 0.4900 | ki = 0.8687 |  
 Caso 5- 5 - Nodo 1 - Asse Y  
 Ned = -46.5 | Mzeq = 211.8 | Myeq = -120.7 | Ss = -9.5 ( 0.003 )

RETTANGOLARE\_S007 ( 7 ) stato li mi te ul ti mo - ASTA ( 87- 88 ) 119

SOLLECI TAZI ONI :  

Caso	MZ	MY	MT	N	TZ	TY
4-16	-4453.4	-3729.2	-36.9	-50.0	-123.1	73.6















5-7	si	5	Ty	-10.4	0.0	0.0	10.4		
----- PROGR. 8.									
SOLLECI TAZI ONI :									
Caso	Ve	No		MZ	MY	MT	N	TZ	TY
1-1				0.0	-182.2	0.0	0.0	-35.6	0.0
5-7				-1.4	-115.2	0.0	0.4	-20.7	0.2
TENSIONI (Sz=0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	1	Sx	-12.1	0.0	0.0	12.1		
1-1	si	7	Tz	0.0	-0.9	0.0	1.5		
5-7	si	5	Ty	-7.7	0.0	0.0	7.7		
----- PROGR. 9.									
SOLLECI TAZI ONI :									
Caso	Ve	No		MZ	MY	MT	N	TZ	TY
1-1				0.0	-120.8	0.0	0.0	-29.9	0.0
5-7				-1.1	-78.9	0.0	0.4	-18.0	0.2
TENSIONI (Sz=0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	1	Sx	-8.1	0.0	0.0	8.1		
1-1	si	7	Tz	0.0	-0.7	0.0	1.3		
5-7	si	5	Ty	-5.3	0.0	0.0	5.3		
----- PROGR. 11.									
SOLLECI TAZI ONI :									
Caso	Ve	No		MZ	MY	MT	N	TZ	TY
1-1				0.0	-69.9	0.0	0.0	-24.3	0.0
5-7				-0.7	-47.6	0.0	0.4	-15.4	0.2
TENSIONI (Sz=0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	1	Sx	-4.7	0.0	0.0	4.7		
1-1	si	7	Tz	0.0	-0.6	0.0	1.1		
5-7	si	5	Ty	-3.2	0.0	0.0	3.2		
----- PROGR. 13.									
SOLLECI TAZI ONI :									
Caso	Ve	No		MZ	MY	MT	N	TZ	TY
1-1				0.0	-29.7	0.0	0.0	-18.6	0.0
5-7				-0.4	-21.3	0.0	0.4	-12.7	0.2
TENSIONI (Sz=0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	1	Sx	-2.0	0.0	0.0	2.0		
1-1	si	7	Tz	0.0	-0.5	0.0	0.8		
5-7	si	5	Ty	-1.4	0.0	0.0	1.4		
----- PROGR. 15.									
SOLLECI TAZI ONI :									
Caso	Ve	No		MZ	MY	MT	N	TZ	TY
4-16				0.0	0.0	0.0	-1.2	-10.0	0.1
1-1				0.0	0.0	0.0	0.0	-13.0	0.0
5-7				0.0	0.0	0.0	0.4	-10.0	0.2
TENSIONI (Sz=0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
4-16	si	2	Sx	0.0	0.0	0.0	0.0		
1-1	si	7	Tz	0.0	-0.3	0.0	0.6		
5-7	si	5	Ty	0.0	0.0	0.0	0.0		

VERIFICA STABILITA`

Z L0 = 15. Lc = 15. Ro = 11.55 | Im = 1.3 | Ncr=736930461.9 | al fa(c )=0.4900 | ki=1.0000  
Y Lc = 15. Ro = 0.43 | Im = 34.6 | Ncr= 1036308.5 | al fa(c )=0.4900 | ki=0.8687  
Caso 4-7 - Nodo 1 - Asse Y  
Ned = -1.2 | Mzeq = 0.6 | Myeq = -233.2 | Ss = -15.6 ( 0.005)

RETTANGOLARE\_S007 ( 7 ) stato limite ultimo - ASTA ( 93- 99) 126 0.  
----- PROGR.

4-1				MZ	MY	MT	N	TZ	TY
1-1				0.0	-533.9	0.0	0.0	-58.2	0.0
4-1				406.4	-311.0	0.0	15.4	-31.5	-27.1
TENSIONI (Sz=0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	1	Sx	-35.6	0.0	0.0	35.6		
1-1	si	7	Tz	0.0	-1.5	0.0	2.5		
4-1	si	5	Ty	-20.5	0.0	0.7	20.5		
----- PROGR. 2.									
SOLLECI TAZI ONI :									
Caso	Ve	No		MZ	MY	MT	N	TZ	TY
1-1				0.0	-430.1	0.0	0.0	-52.5	0.0
4-1				355.6	-254.5	0.0	15.4	-28.8	-27.1
TENSIONI (Sz=0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	1	Sx	-28.7	0.0	0.0	28.7		
1-1	si	7	Tz	0.0	-1.3	0.0	2.3		
4-1	si	5	Ty	-16.7	0.0	0.7	16.8		
----- PROGR. 4.									
SOLLECI TAZI ONI :									
Caso	Ve	No		MZ	MY	MT	N	TZ	TY
1-1				0.0	-336.9	0.0	0.0	-46.9	0.0
4-1				304.8	-203.1	0.0	15.4	-26.1	-27.1
TENSIONI (Sz=0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	1	Sx	-22.5	0.0	0.0	22.5		
1-1	si	7	Tz	0.0	-1.2	0.0	2.0		
4-1	si	5	Ty	-13.3	0.0	0.7	13.3		
----- PROGR. 6.									
SOLLECI TAZI ONI :									
Caso	Ve	No		MZ	MY	MT	N	TZ	TY
1-1				0.0	-254.3	0.0	0.0	-41.2	0.0
4-1				254.0	-156.6	0.0	15.4	-23.4	-27.1
TENSIONI (Sz=0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	1	Sx	-17.0	0.0	0.0	17.0		
1-1	si	7	Tz	0.0	-1.0	0.0	1.8		
4-1	si	5	Ty	-10.2	0.0	0.7	10.3		
----- PROGR. 8.									
SOLLECI TAZI ONI :									
Caso	Ve	No		MZ	MY	MT	N	TZ	TY
1-1				0.0	-182.2	0.0	0.0	-35.6	0.0
4-1				203.2	-115.2	0.0	15.4	-20.7	-27.1
TENSIONI (Sz=0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	4	Sx	-12.1	0.0	0.0	12.1		
1-1	si	7	Tz	0.0	-0.9	0.0	1.5		
4-1	si	5	Ty	-7.4	0.0	0.7	7.5		
----- PROGR. 9.									

SOLLECCI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			0.0	-120.8	0.0	0.0	-29.9	0.0
4- 1			152.4	-78.9	0.0	15.4	-18.0	-27.1
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	-8.1	0.0	0.0	8.1	
1- 1	si	7	Tz	0.0	-0.7	0.0	1.3	
4- 1	si	5	Ty	-5.0	0.0	0.7	5.1	
-----								
PROGR. 11.								
SOLLECCI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			0.0	-69.9	0.0	0.0	-24.3	0.0
4- 1			101.6	-47.6	0.0	15.4	-15.4	-27.1
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	-4.7	0.0	0.0	4.7	
1- 1	si	7	Tz	0.0	-0.6	0.0	1.1	
4- 1	si	5	Ty	-2.9	0.0	0.7	3.1	
-----								
PROGR. 13.								
SOLLECCI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
5-16			-32.6	-21.3	0.0	-39.5	-12.7	17.4
1- 1			0.0	-29.7	0.0	0.0	-18.6	0.0
4- 1			50.8	-21.3	0.0	15.4	-12.7	-27.1
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-16	si	4	Sx	-2.2	0.0	0.0	2.2	
1- 1	si	7	Tz	0.0	-0.5	0.0	0.8	
4- 1	si	5	Ty	-1.2	0.0	0.7	1.7	
5-16	si	5	Si	-2.1	0.0	-0.4	2.2	
-----								
PROGR. 15.								
SOLLECCI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
5-16			0.0	0.0	0.0	-39.5	-10.0	17.4
1- 1			0.0	0.0	0.0	0.0	-13.0	0.0
4- 1			0.0	0.0	0.0	15.4	-10.0	-27.1
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-16	si	3	Sx	-0.7	0.0	0.0	0.7	
1- 1	si	7	Tz	0.0	-0.3	0.0	0.6	
4- 1	si	5	Ty	0.3	0.0	0.7	1.2	
4- 1	si	6	Si	0.3	0.0	0.7	1.2	
-----								
VERI F I CA S T A B I L I T A ` :								
Z	LO =	15	Ro = 11.55	Im = 1.3	Ncr=736930461.9	al fa(c )=0.4900	ki=1.0000	
Y	Lc =	15	Ro = 0.43	Im = 34.6	Ncr= 1036308.5	al fa(c )=0.4900	ki=0.8687	
Caso 5-16 -	Nodo 4 -	Asse Y						
Ned =		-39.5	Mzeq =	-195.7	Myeq =	-233.2	Ss =	-16.8 ( 0.005)
-----								
RETTANGOLARE_S007 ( 7) stato limite ultimo - ASTA ( 95- 100) 127 0.								
-----								
PROGR. 0.								
SOLLECCI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			0.0	-533.9	0.0	0.0	-58.2	0.0
5- 5			-6.2	-311.0	0.0	0.8	-31.5	0.4
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx	35.6	0.0	0.0	35.6	
1- 1	si	7	Tz	0.0	-1.5	0.0	2.5	
5- 5	si	5	Ty	-20.7	0.0	0.0	20.7	
-----								
PROGR. 2.								
SOLLECCI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			0.0	-430.1	0.0	0.0	-52.5	0.0
5- 5			-5.4	-254.5	0.0	0.8	-28.8	0.4
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx	28.7	0.0	0.0	28.7	
1- 1	si	7	Tz	0.0	-1.3	0.0	2.3	
5- 5	si	5	Ty	-17.0	0.0	0.0	17.0	
-----								
PROGR. 4.								
SOLLECCI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			0.0	-336.9	0.0	0.0	-46.9	0.0
5- 5			-4.6	-203.1	0.0	0.8	-26.1	0.4
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx	22.5	0.0	0.0	22.5	
1- 1	si	7	Tz	0.0	-1.2	0.0	2.0	
5- 5	si	5	Ty	-13.5	0.0	0.0	13.5	
-----								
PROGR. 6.								
SOLLECCI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			0.0	-254.3	0.0	0.0	-41.2	0.0
5- 5			-3.9	-156.6	0.0	0.8	-23.4	0.4
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx	17.0	0.0	0.0	17.0	
1- 1	si	7	Tz	0.0	-1.0	0.0	1.8	
5- 5	si	5	Ty	-10.4	0.0	0.0	10.4	
-----								
PROGR. 8.								
SOLLECCI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			0.0	-182.2	0.0	0.0	-35.6	0.0
5- 5			-3.1	-115.2	0.0	0.8	-20.7	0.4
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx	12.1	0.0	0.0	12.1	
1- 1	si	7	Tz	0.0	-0.9	0.0	1.5	
5- 5	si	5	Ty	-7.7	0.0	0.0	7.7	
-----								
PROGR. 9.								
SOLLECCI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			0.0	-120.8	0.0	0.0	-29.9	0.0
5- 5			-2.3	-78.9	0.0	0.8	-18.0	0.4
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx	8.1	0.0	0.0	8.1	
1- 1	si	7	Tz	0.0	-0.7	0.0	1.3	
5- 5	si	5	Ty	-5.2	0.0	0.0	5.2	



----- PROGR. 11.							
SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-69.9	0.0	0.0	-24.3	0.0
5- 5		-1.5	-47.6	0.0	0.8	-15.4	0.4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	4.7	0.0	0.0	4.7
1- 1	si	7	Tz	0.0	-0.6	0.0	1.1
5- 5	si	5	Ty	-3.2	0.0	0.0	3.2

----- PROGR. 13.							
SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-29.7	0.0	0.0	-18.6	0.0
5- 5		-0.8	-21.3	0.0	0.8	-12.7	0.4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	2.0	0.0	0.0	2.0
1- 1	si	7	Tz	0.0	-0.5	0.0	0.8
5- 5	si	5	Ty	-1.4	0.0	0.0	1.4

----- PROGR. 15.							
SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
4- 1		0.0	0.0	0.0	2.7	-10.0	-0.1
1- 1		0.0	0.0	0.0	0.0	-13.0	0.0
5- 5		0.0	0.0	0.0	0.8	-10.0	0.4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi	Sx	Tz	Ty	Si
4- 1	si	4	Sx	0.0	0.0	0.0	0.0
1- 1	si	7	Tz	0.0	-0.3	0.0	0.6
5- 5	si	5	Ty	0.0	0.0	0.0	0.0

## VERI FI CA STABI LI TA` :

Z	LO = 15.	Ro = 11.55	Im = 1.3	Ncr=736930461.9	al fa(c) =0.4900	ki=1.0000
Y	Lc = 15.	Ro = 0.43	Im = 34.6	Ncr= 1036308.5	al fa(c) =0.4900	ki=0.8687
Caso 4-15	- Nodolo 1 - Asse Y					
Ned =	-2.7	Mzeq =	1.4	Myeq =	-233.2	Ss = -15.6 ( 0.005)

----- PROGR. 128							
RETTANGOLARE_S007 ( 7 ) stato limite ultimo - ASTA ( 97- 101)							

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-533.9	0.0	0.0	-58.2	0.0
4-12		-54.4	-311.0	0.0	1.2	-31.5	3.6

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	35.6	0.0	0.0	35.6
1- 1	si	7	Tz	0.0	-1.5	0.0	2.5
4-12	si	5	Ty	-20.7	0.0	-0.1	20.7

----- PROGR. 2.							
SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-430.1	0.0	0.0	-52.5	0.0
4-12		-47.6	-254.5	0.0	1.2	-28.8	3.6

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	28.7	0.0	0.0	28.7
1- 1	si	7	Tz	0.0	-1.3	0.0	2.3
4-12	si	5	Ty	-16.9	0.0	-0.1	16.9

----- PROGR. 4.							
SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-336.9	0.0	0.0	-46.9	0.0
4-12		-40.8	-203.1	0.0	1.2	-26.1	3.6

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	22.5	0.0	0.0	22.5
1- 1	si	7	Tz	0.0	-1.2	0.0	2.0
4-12	si	5	Ty	-13.5	0.0	-0.1	13.5

----- PROGR. 6.							
SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-254.3	0.0	0.0	-41.2	0.0
4-12		-34.0	-156.6	0.0	1.2	-23.4	3.6

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	17.0	0.0	0.0	17.0
1- 1	si	7	Tz	0.0	-1.0	0.0	1.8
4-12	si	5	Ty	-10.4	0.0	-0.1	10.4

----- PROGR. 8.							
SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-182.2	0.0	0.0	-35.6	0.0
4-12		-27.2	-115.2	0.0	1.2	-20.7	3.6

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	12.1	0.0	0.0	12.1
1- 1	si	7	Tz	0.0	-0.9	0.0	1.5
4-12	si	5	Ty	-7.7	0.0	-0.1	7.7

----- PROGR. 9.							
SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-120.8	0.0	0.0	-29.9	0.0
4-12		-20.4	-78.9	0.0	1.2	-18.0	3.6

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	8.1	0.0	0.0	8.1
1- 1	si	7	Tz	0.0	-0.7	0.0	1.3
4-12	si	5	Ty	-5.2	0.0	-0.1	5.2

----- PROGR. 11.							
SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-69.9	0.0	0.0	-24.3	0.0
4-12		-13.6	-47.6	0.0	1.2	-15.4	3.6

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	4.7	0.0	0.0	4.7
1- 1	si	7	Tz	0.0	-0.6	0.0	1.1
4-12	si	5	Ty	-3.2	0.0	-0.1	3.2

----- PROGR. 13.							
SOLLECI TAZI ONI :							

Caso	MZ	MY	MT	N	TZ	TY	
1-1	0.0	-29.7	0.0	0.0	-18.6	0.0	
4-12	-6.8	-21.3	0.0	1.2	-12.7	3.6	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	2.0	0.0	0.0	2.0
1-1	si	7	Tz	0.0	-0.5	0.0	0.8
4-12	si	5	Ty	-1.4	0.0	-0.1	1.4

----- PROGR. 15.

Caso	MZ	MY	MT	N	TZ	TY	
5-10	0.0	0.0	0.0	-5.9	-10.0	-0.2	
1-1	0.0	0.0	0.0	0.0	-13.0	0.0	
4-12	0.0	0.0	0.0	1.2	-10.0	3.6	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	4	Sx	-0.1	0.0	0.0	0.1
1-1	si	7	Tz	0.0	-0.3	0.0	0.6
4-12	si	5	Ty	0.0	0.0	-0.1	0.2

----- VERIFICA STABILITA` :

Z | LO = 15. | Ro = 11.55 | Im = 1.3 | Ncr=736930461.9 | al fa(c) =0.4900 | ki=1.0000 |  
 Y | Lc = 15. | Ro = 0.43 | Im = 34.6 | Ncr= 1036308.5 | al fa(c) =0.4900 | ki=0.8687 |  
 Caso 5-16 - Nodo 4 - Asse Y  
 Ned = -5.9 | Mzeq = -28.7 | Myeq = -233.2 | Ss = -15.7 ( 0.005 )

RETTANGOLARE\_S007 ( 7 ) stato limite ultimo - ASTA ( 102- 90 ) 129  
 ----- PROGR. 0.

Caso	MZ	MY	MT	N	TZ	TY	
5-5	0.0	0.0	0.0	-38.6	10.0	19.7	
1-1	0.0	0.0	0.0	0.0	13.0	0.0	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-5	si	4	Sx	-0.6	0.0	0.0	0.6
1-1	si	7	Tz	0.0	0.3	0.0	0.6
5-5	si	5	Ty	-0.6	0.0	-0.5	1.1

----- PROGR. 2.

Caso	MZ	MY	MT	N	TZ	TY	
5-12	-36.9	-21.3	0.0	38.6	12.7	-19.7	
1-1	0.0	-29.7	0.0	0.0	18.6	0.0	
5-5	36.9	-21.3	0.0	-38.6	12.7	19.7	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-12	si	2	Sx	2.2	0.0	0.0	2.2
1-1	si	7	Tz	0.0	0.5	0.0	0.8
5-5	si	5	Ty	-2.1	0.0	-0.5	2.2

----- PROGR. 4.

Caso	MZ	MY	MT	N	TZ	TY	
1-1	0.0	-69.9	0.0	0.0	24.3	0.0	
5-5	73.7	-47.6	0.0	-38.6	15.4	19.7	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	4.7	0.0	0.0	4.7
1-1	si	7	Tz	0.0	0.6	0.0	1.1
5-5	si	5	Ty	-3.8	0.0	-0.5	3.9

----- PROGR. 6.

Caso	MZ	MY	MT	N	TZ	TY	
1-1	0.0	-120.8	0.0	0.0	29.9	0.0	
5-5	110.6	-78.9	0.0	-38.6	18.0	19.7	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	8.1	0.0	0.0	8.1
1-1	si	7	Tz	0.0	0.7	0.0	1.3
5-5	si	5	Ty	-5.9	0.0	-0.5	6.0

----- PROGR. 8.

Caso	MZ	MY	MT	N	TZ	TY	
1-1	0.0	-182.2	0.0	0.0	35.6	0.0	
5-5	147.5	-115.2	0.0	-38.6	20.7	19.7	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	12.1	0.0	0.0	12.1
1-1	si	7	Tz	0.0	0.9	0.0	1.5
5-5	si	5	Ty	-8.3	0.0	-0.5	8.4

----- PROGR. 9.

Caso	MZ	MY	MT	N	TZ	TY	
1-1	0.0	-254.3	0.0	0.0	41.2	0.0	
5-5	184.4	-156.6	0.0	-38.6	23.4	19.7	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	17.0	0.0	0.0	17.0
1-1	si	7	Tz	0.0	1.0	0.0	1.8
5-5	si	5	Ty	-11.1	0.0	-0.5	11.1

----- PROGR. 11.

Caso	MZ	MY	MT	N	TZ	TY	
1-1	0.0	-336.9	0.0	0.0	46.9	0.0	
5-5	221.2	-203.1	0.0	-38.6	26.1	19.7	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	22.5	0.0	0.0	22.5
1-1	si	7	Tz	0.0	1.2	0.0	2.0
5-5	si	5	Ty	-14.2	0.0	-0.5	14.2

----- PROGR. 13.

Caso	MZ	MY	MT	N	TZ	TY	
1-1	0.0	-430.1	0.0	0.0	52.5	0.0	
5-5	258.1	-254.5	0.0	-38.6	28.8	19.7	
TENSIONI (Sz=0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	28.7	0.0	0.0	28.7
1-1	si	7	Tz	0.0	1.3	0.0	2.3
5-5	si	5	Ty	-17.6	0.0	-0.5	17.6

----- PROGR. 15.

1- 1		0.0	-533.9	0.0	0.0	58.2	0.0
5- 5		295.0	-311.0	0.0	-38.6	31.5	19.7
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	35.6	0.0	0.0
1- 1	si	7	Tz	Ty	0.0	1.5	0.0
5- 5	si	5	Ty		-21.4	0.0	-0.5
							21.4

VERIFI CA STABI LI TA` :

Z	LO = 15.	Ro = 11.55	Im = 1.3	Ncr=736930461.9	al fa(c )=0.4900	ki=1.0000
Y	Lc = 15.	Ro = 0.43	Im = 34.6	Ncr= 1036308.5	al fa(c )=0.4900	ki=0.8687
Caso 5- 5 - Nodo 1 - Asse Y						
Ned =	-38.6	Mzeq =	221.2	Myeq =	-233.2	Ss = -16.8 ( 0.005)

RETTANGOLARE\_S007 ( 7) stato limite ultimo - ASTA ( 103- 92) 130  
PROGR. 0.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
4-14		0.0	0.0	0.0	2.7	10.0	0.1
1- 1		0.0	0.0	0.0	0.0	13.0	0.0
5- 3		0.0	0.0	0.0	-0.8	10.0	-0.4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-14	si	1	Sx	Si	0.0	0.0	0.0
1- 1	si	7	Tz	Ty	0.0	0.3	0.0
5- 3	si	5	Ty		0.0	0.0	0.0
							0.6
							0.0
PROGR. 2.							

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-29.7	0.0	0.0	18.6	0.0
5- 3		-0.8	-21.3	0.0	-0.8	12.7	-0.4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	2.0	0.0	0.0
1- 1	si	7	Tz	Ty	0.0	0.5	0.0
5- 3	si	5	Ty		-1.4	0.0	0.0
							2.0
							0.8
							1.4
PROGR. 4.							

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-69.9	0.0	0.0	24.3	0.0
5- 3		-1.6	-47.6	0.0	-0.8	15.4	-0.4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	4.7	0.0	0.0
1- 1	si	7	Tz	Ty	0.0	0.6	0.0
5- 3	si	5	Ty		-3.2	0.0	0.0
							4.7
							1.1
							3.2
PROGR. 6.							

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-120.8	0.0	0.0	29.9	0.0
5- 3		-2.4	-78.9	0.0	-0.8	18.0	-0.4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	8.1	0.0	0.0
1- 1	si	7	Tz	Ty	0.0	0.7	0.0
5- 3	si	5	Ty		-5.3	0.0	0.0
							8.1
							1.3
							5.3
PROGR. 8.							

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-182.2	0.0	0.0	35.6	0.0
5- 3		-3.1	-115.2	0.0	-0.8	20.7	-0.4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	12.1	0.0	0.0
1- 1	si	7	Tz	Ty	0.0	0.9	0.0
5- 3	si	5	Ty		-7.7	0.0	0.0
							12.1
							1.5
							7.7
PROGR. 9.							

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-254.3	0.0	0.0	41.2	0.0
5- 3		-3.9	-156.6	0.0	-0.8	23.4	-0.4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	17.0	0.0	0.0
1- 1	si	7	Tz	Ty	0.0	1.0	0.0
5- 3	si	5	Ty		-10.5	0.0	0.0
							17.0
							1.8
							10.5
PROGR. 11.							

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-336.9	0.0	0.0	46.9	0.0
5- 3		-4.7	-203.1	0.0	-0.8	26.1	-0.4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	22.5	0.0	0.0
1- 1	si	7	Tz	Ty	0.0	1.2	0.0
5- 3	si	5	Ty		-13.6	0.0	0.0
							22.5
							2.0
							13.6
PROGR. 13.							

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-430.1	0.0	0.0	52.5	0.0
5- 3		-5.5	-254.5	0.0	-0.8	28.8	-0.4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	28.7	0.0	0.0
1- 1	si	7	Tz	Ty	0.0	1.3	0.0
5- 3	si	5	Ty		-17.0	0.0	0.0
							28.7
							2.3
							17.0
PROGR. 15.							

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-533.9	0.0	0.0	58.2	0.0
5- 3		-6.3	-311.0	0.0	-0.8	31.5	-0.4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	35.6	0.0	0.0
1- 1	si	7	Tz	Ty	0.0	1.5	0.0
5- 3	si	5	Ty		-20.7	0.0	0.0
							35.6
							2.5
							20.7

VERIFI CA STABI LI TA` :

|LO = 15. |

Z | Lc = 15. | Ro = 11.55 | Im = 1.3 | Ncr=736930461.9 | al fa(c) =0.4900 | ki=1.0000 |  
 Y | Lc = 15. | Ro = 0.43 | Im = 34.6 | Ncr= 1036308.5 | al fa(c) =0.4900 | ki=0.8687 |  
 Caso 4- 9 - Nodo 4 - Asse Y  
 Ned = -2.7 | Mzeq = -1.4 | Myeq = -233.2 | Ss = -15.6 ( 0.005)

RETTANGOLARE\_S007 ( 7) stato limite ultimo - ASTA ( 104- 94) 131  
 ----- PROGR. 0.

SOLLECI TAZI ONI :  

Caso	MZ	MY	MT	N	TZ	TY
4-16	0.0	0.0	0.0	2.7	10.0	0.1
1- 1	0.0	0.0	0.0	0.0	13.0	0.0
5- 6	0.0	0.0	0.0	0.8	10.0	0.4

TENSI ONI (Sz= 0.00) :  

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-16	si	2	Sx	0.0	0.0	0.0	0.0
1- 1	si	7	Tz	0.0	0.3	0.0	0.6
5- 6	si	5	Ty	0.0	0.0	0.0	0.0

SOLLECI TAZI ONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-29.7	0.0	0.0	18.6	0.0
5- 6	0.8	-21.3	0.0	0.8	12.7	0.4

TENSI ONI (Sz= 0.00) :  

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	2.0	0.0	0.0	2.0
1- 1	si	7	Tz	0.0	0.5	0.0	0.8
5- 6	si	5	Ty	-1.4	0.0	0.0	1.4

SOLLECI TAZI ONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-69.9	0.0	0.0	24.3	0.0
5- 6	1.6	-47.6	0.0	0.8	15.4	0.4

TENSI ONI (Sz= 0.00) :  

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	4.7	0.0	0.0	4.7
1- 1	si	7	Tz	0.0	0.6	0.0	1.1
5- 6	si	5	Ty	-3.2	0.0	0.0	3.2

SOLLECI TAZI ONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-120.8	0.0	0.0	29.9	0.0
5- 6	2.4	-78.9	0.0	0.8	18.0	0.4

TENSI ONI (Sz= 0.00) :  

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	8.1	0.0	0.0	8.1
1- 1	si	7	Tz	0.0	0.7	0.0	1.3
5- 6	si	5	Ty	-5.2	0.0	0.0	5.2

SOLLECI TAZI ONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-182.2	0.0	0.0	35.6	0.0
5- 6	3.1	-115.2	0.0	0.8	20.7	0.4

TENSI ONI (Sz= 0.00) :  

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	12.1	0.0	0.0	12.1
1- 1	si	7	Tz	0.0	0.9	0.0	1.5
5- 6	si	5	Ty	-7.7	0.0	0.0	7.7

SOLLECI TAZI ONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-254.3	0.0	0.0	41.2	0.0
5- 6	3.9	-156.6	0.0	0.8	23.4	0.4

TENSI ONI (Sz= 0.00) :  

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	17.0	0.0	0.0	17.0
1- 1	si	7	Tz	0.0	1.0	0.0	1.8
5- 6	si	5	Ty	-10.4	0.0	0.0	10.4

SOLLECI TAZI ONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-336.9	0.0	0.0	46.9	0.0
5- 6	4.7	-203.1	0.0	0.8	26.1	0.4

TENSI ONI (Sz= 0.00) :  

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	22.5	0.0	0.0	22.5
1- 1	si	7	Tz	0.0	1.2	0.0	2.0
5- 6	si	5	Ty	-13.5	0.0	0.0	13.5

SOLLECI TAZI ONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-430.1	0.0	0.0	52.5	0.0
5- 6	5.5	-254.5	0.0	0.8	28.8	0.4

TENSI ONI (Sz= 0.00) :  

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	28.7	0.0	0.0	28.7
1- 1	si	7	Tz	0.0	1.3	0.0	2.3
5- 6	si	5	Ty	-17.0	0.0	0.0	17.0

SOLLECI TAZI ONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-533.9	0.0	0.0	58.2	0.0
5- 6	6.3	-311.0	0.0	0.8	31.5	0.4

TENSI ONI (Sz= 0.00) :  

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	35.6	0.0	0.0	35.6
1- 1	si	7	Tz	0.0	1.5	0.0	2.5
5- 6	si	5	Ty	-20.7	0.0	0.0	20.7

-----  
 VERI F I CA STABI LI TA` :

Z | LO = 15. | Ro = 11.55 | Im = 1.3 | Ncr=736930461.9 | al fa(c) =0.4900 | ki=1.0000 |  
 Y | Lc = 15. | Ro = 0.43 | Im = 34.6 | Ncr= 1036308.5 | al fa(c) =0.4900 | ki=0.8687 |  
 Caso 4-11 - Nodo 4 - Asse Y  
 Ned = -2.7 | Mzeq = -1.4 | Myeq = -233.2 | Ss = -15.6 ( 0.005)

RETTANGOLARE\_S007 ( 7) stato limite ultimo - ASTA ( 105- 96) 132  
 ----- PROGR. 0.

SOLLECI TAZI ONI :  

Caso	MZ	MY	MT	N	TZ	TY
4- 6	0.0	0.0	0.0	2.7	10.0	0.1
1- 1	0.0	0.0	0.0	0.0	13.0	0.0
5- 5	0.0	0.0	0.0	-0.8	10.0	0.4

TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
4-6	si	2	Sx	0.0	0.0	0.0	0.0		
1-1	si	7	Tz	0.0	0.3	0.0	0.6		
5-5	si	5	Ty	0.0	0.0	0.0	0.0		
----- PROGR. 2.									
SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
1-1				0.0	-29.7	0.0	0.0	18.6	0.0
5-5				0.8	-21.3	0.0	-0.8	12.7	0.4
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	2	Sx	2.0	0.0	0.0	2.0		
1-1	si	7	Tz	0.0	0.5	0.0	0.8		
5-5	si	5	Ty	-1.4	0.0	0.0	1.4		
----- PROGR. 4.									
SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
1-1				0.0	-69.9	0.0	0.0	24.3	0.0
5-5				1.6	-47.6	0.0	-0.8	15.4	0.4
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	2	Sx	4.7	0.0	0.0	4.7		
1-1	si	7	Tz	0.0	0.6	0.0	1.1		
5-5	si	5	Ty	-3.2	0.0	0.0	3.2		
----- PROGR. 6.									
SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
1-1				0.0	-120.8	0.0	0.0	29.9	0.0
5-5				2.4	-78.9	0.0	-0.8	18.0	0.4
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	2	Sx	8.1	0.0	0.0	8.1		
1-1	si	7	Tz	0.0	0.7	0.0	1.3		
5-5	si	5	Ty	-5.3	0.0	0.0	5.3		
----- PROGR. 8.									
SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
1-1				0.0	-182.2	0.0	0.0	35.6	0.0
5-5				3.1	-115.2	0.0	-0.8	20.7	0.4
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	2	Sx	12.1	0.0	0.0	12.1		
1-1	si	7	Tz	0.0	0.9	0.0	1.5		
5-5	si	5	Ty	-7.7	0.0	0.0	7.7		
----- PROGR. 9.									
SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
1-1				0.0	-254.3	0.0	0.0	41.2	0.0
5-5				3.9	-156.6	0.0	-0.8	23.4	0.4
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	2	Sx	17.0	0.0	0.0	17.0		
1-1	si	7	Tz	0.0	1.0	0.0	1.8		
5-5	si	5	Ty	-10.5	0.0	0.0	10.5		
----- PROGR. 11.									
SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
1-1				0.0	-336.9	0.0	0.0	46.9	0.0
5-5				4.7	-203.1	0.0	-0.8	26.1	0.4
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	2	Sx	22.5	0.0	0.0	22.5		
1-1	si	7	Tz	0.0	1.2	0.0	2.0		
5-5	si	5	Ty	-13.6	0.0	0.0	13.6		
----- PROGR. 13.									
SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
1-1				0.0	-430.1	0.0	0.0	52.5	0.0
5-5				5.5	-254.5	0.0	-0.8	28.8	0.4
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	2	Sx	28.7	0.0	0.0	28.7		
1-1	si	7	Tz	0.0	1.3	0.0	2.3		
5-5	si	5	Ty	-17.0	0.0	0.0	17.0		
----- PROGR. 15.									
SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
1-1				0.0	-533.9	0.0	0.0	58.2	0.0
5-5				6.3	-311.0	0.0	-0.8	31.5	0.4
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	2	Sx	35.6	0.0	0.0	35.6		
1-1	si	7	Tz	0.0	1.5	0.0	2.5		
5-5	si	5	Ty	-20.7	0.0	0.0	20.7		

VERI F I C A S T A B I L I T A` :

Z | L0 = 15. | Ro = 11.55 | Im = 1.3 | Ncr=736930461.9 | al fa(c )=0.4900 | ki=1.0000  
Y | Lc = 15. | Ro = 0.43 | Im = 34.6 | Ncr= 1036308.5 | al fa(c )=0.4900 | ki=0.8687  
Caso 4- 2 - Nodo 1 - Asse Y  
Ned = -2.7 | Mzeq = 1.4 | Myeq = -233.2 | Ss = -15.6 ( 0.005)

RETTANGOLARE\_S007 ( 7) stato limite ultimo - ASTA ( 107- 106) 139  
----- PROGR. 0.

SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
4-12				0.0	0.0	0.0	3.9	10.0	-2.2
1-1				0.0	0.0	0.0	0.0	13.0	0.0
5-12				0.0	0.0	0.0	2.1	10.0	7.7
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
4-12	si	3	Sx	0.1	0.0	0.0	0.1		
1-1	si	7	Tz	0.0	0.3	0.0	0.6		
5-12	si	5	Ty	0.0	0.0	-0.2	0.3		
----- PROGR. 2.									
SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
1-1				0.0	-29.7	0.0	0.0	18.6	0.0
5-12				14.5	-21.3	0.0	2.1	12.7	7.7
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		

1-1	si	1	Sx	Si	-2.0	0.0	0.0	2.0			
1-1	si	7	Tz		0.0	0.5	0.0	0.8			
5-12	si	5	Ty		-1.4	0.0	-0.2	1.4			
-----											
SOLLECI TAZI ONI :											
Caso			MZ		MY		MT		N	TZ	TY
1-1			0.0		-69.9		0.0		0.0	24.3	0.0
5-12			29.1		-47.6		0.0		2.1	15.4	7.7
TENSI ONI (Sz= 0.00) :											
Caso	Ve	No	massi		Sx		Tz		Ty	Si	
1-1	si	1	Sx	Si	-4.7		0.0		0.0	4.7	
1-1	si	7	Tz		0.0		0.6		0.0	1.1	
5-12	si	5	Ty		-3.1		0.0		-0.2	3.2	
-----											
SOLLECI TAZI ONI :											
Caso			MZ		MY		MT		N	TZ	TY
1-1			0.0		-120.8		0.0		0.0	29.9	0.0
5-12			43.6		-78.9		0.0		2.1	18.0	7.7
TENSI ONI (Sz= 0.00) :											
Caso	Ve	No	massi		Sx		Tz		Ty	Si	
1-1	si	1	Sx	Si	-8.1		0.0		0.0	8.1	
1-1	si	7	Tz		0.0		0.7		0.0	1.3	
5-12	si	5	Ty		-5.2		0.0		-0.2	5.2	
-----											
SOLLECI TAZI ONI :											
Caso			MZ		MY		MT		N	TZ	TY
1-1			0.0		-182.2		0.0		0.0	35.6	0.0
5-12			58.1		-115.2		0.0		2.1	20.7	7.7
TENSI ONI (Sz= 0.00) :											
Caso	Ve	No	massi		Sx		Tz		Ty	Si	
1-1	si	1	Sx	Si	-12.1		0.0		0.0	12.1	
1-1	si	7	Tz		0.0		0.9		0.0	1.5	
5-12	si	5	Ty		-7.6		0.0		-0.2	7.7	
-----											
SOLLECI TAZI ONI :											
Caso			MZ		MY		MT		N	TZ	TY
1-1			0.0		-254.3		0.0		0.0	41.2	0.0
5-12			72.7		-156.6		0.0		2.1	23.4	7.7
TENSI ONI (Sz= 0.00) :											
Caso	Ve	No	massi		Sx		Tz		Ty	Si	
1-1	si	1	Sx	Si	-17.0		0.0		0.0	17.0	
1-1	si	7	Tz		0.0		1.0		0.0	1.8	
5-12	si	5	Ty		-10.4		0.0		-0.2	10.4	
-----											
SOLLECI TAZI ONI :											
Caso			MZ		MY		MT		N	TZ	TY
1-1			0.0		-336.9		0.0		0.0	46.9	0.0
5-12			87.2		-203.1		0.0		2.1	26.1	7.7
TENSI ONI (Sz= 0.00) :											
Caso	Ve	No	massi		Sx		Tz		Ty	Si	
1-1	si	1	Sx	Si	-22.5		0.0		0.0	22.5	
1-1	si	7	Tz		0.0		1.2		0.0	2.0	
5-12	si	5	Ty		-13.5		0.0		-0.2	13.5	
-----											
SOLLECI TAZI ONI :											
Caso			MZ		MY		MT		N	TZ	TY
1-1			0.0		-430.1		0.0		0.0	52.5	0.0
5-12			101.7		-254.5		0.0		2.1	28.8	7.7
TENSI ONI (Sz= 0.00) :											
Caso	Ve	No	massi		Sx		Tz		Ty	Si	
1-1	si	1	Sx	Si	-28.7		0.0		0.0	28.7	
1-1	si	7	Tz		0.0		1.3		0.0	2.3	
5-12	si	5	Ty		-16.9		0.0		-0.2	16.9	
-----											
SOLLECI TAZI ONI :											
Caso			MZ		MY		MT		N	TZ	TY
1-1			0.0		-533.9		0.0		0.0	58.2	0.0
5-12			116.2		-311.0		0.0		2.1	31.5	7.7
TENSI ONI (Sz= 0.00) :											
Caso	Ve	No	massi		Sx		Tz		Ty	Si	
1-1	si	1	Sx	Si	-35.6		0.0		0.0	35.6	
1-1	si	7	Tz		0.0		1.5		0.0	2.5	
5-12	si	5	Ty		-20.7		0.0		-0.2	20.7	

## VERI F I C A S T A B I L I T A` :

Z | L0 = 15. | Ro = 11.55 | Im = 1.3 | Ncr=736930461.9 | al fa(c)=-0.4900 | ki=1.0000  
Y | Lc = 15. | Ro = 0.43 | Im = 34.6 | Ncr= 1036308.5 | al fa(c)=-0.4900 | ki=0.8687  
Caso 5-1 - Nodo 4 - Asse Y  
Ned = -2.5 | Mzeq = -87.2 | Myeq = -233.2 | Ss = -15.8 ( 0.005)

RETTANGOLARE\_S007 ( 7 ) stato limite ultimo - ASTA ( 106- 108) 140  
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PROGR. 0.

SOLLECI TAZI ONI :											
Caso			MZ		MY		MT		N	TZ	TY
4-16			6128.6		-1578.3		-62.0		-126.4	-80.3	-108.1
1-1			1413.2		-1223.8		28.7		69.7	-127.4	-11.3
4-7			-490.1		-212.5		-166.0		-195.3	-53.8	41.7
TENSI ONI (Sz= 0.00) :											
Caso	Ve	No	massi		Sx		Tz		Ty	Si	
4-16	si	1	Sx	Si	-122.6		0.0		2.1	122.7	
1-1	si	7	Tz		-2.4		-3.2		0.0	6.0	
4-7	si	5	Ty		-17.4		0.0		-6.7	21.0	
-----											
SOLLECI TAZI ONI :											
Caso			MZ		MY		MT		N	TZ	TY
4-16			4790.2		-691.1		-62.0		-126.4	-62.6	-108.1
1-1			1273.2		126.0		28.7		69.7	-90.0	-11.3
4-7			29.4		344.6		-166.0		-195.3	-36.0	41.7
TENSI ONI (Sz= 0.00) :											
Caso	Ve	No	massi		Sx		Tz		Ty	Si	
4-16	si	1	Sx	Si	-60.2		0.0		2.1	60.3	
1-1	si	7	Tz		-2.0		-2.3		0.0	4.4	
4-7	si	5	Ty		19.7		0.0		-6.7	22.9	
-----											
SOLLECI TAZI ONI :											
Caso			MZ		MY		MT		N	TZ	TY
1-1			1133.2		1011.5		28.7		69.7	-52.6	-11.3
4-7			549.3		681.2		-166.0		-195.3	-18.2	41.7
TENSI ONI (Sz= 0.00) :											
Caso	Ve	No	massi		Sx		Tz		Ty	Si	
1-1	si	4	Sx	Si	71.4		0.0		1.0	71.5	

1- 1	si	7	Tz	-1. 7	-1. 3	0. 0	2. 8
4- 7	si	5	Ty	42. 2	0. 0	-6. 7	43. 7

----- PROGR. 37.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
1- 1			993. 2	1432. 8	28. 7	69. 7	-15. 2	-11. 3
4-16			2132. 1	421. 5	-62. 0	-126. 4	-27. 0	-108. 1
4- 7			1065. 0	797. 2	-166. 0	-195. 3	-0. 5	41. 7

TENSI ONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	99. 2	0. 0	1. 0	99. 2
4-16	si	7	Tz	-7. 4	-0. 7	0. 0	7. 5
4- 7	si	5	Ty	49. 9	0. 0	-6. 7	51. 2

----- PROGR. 50.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
1- 1			853. 2	1389. 7	28. 7	69. 7	22. 2	-11. 3
4- 1			1296. 9	728. 2	-51. 0	-48. 1	25. 9	74. 1
4- 7			1643. 5	693. 0	-166. 0	-195. 3	17. 3	41. 7

TENSI ONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	95. 9	0. 0	1. 0	96. 0
4- 1	si	7	Tz	-4. 0	0. 6	0. 0	4. 2
4- 7	si	5	Ty	42. 9	0. 0	-6. 7	44. 5

----- PROGR. 62.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
1- 1			713. 2	882. 3	28. 7	69. 7	59. 6	-11. 3
4- 1			2195. 7	367. 5	-166. 0	-195. 3	35. 1	41. 7

TENSI ONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	61. 8	0. 0	1. 0	61. 8
1- 1	si	7	Tz	-0. 6	1. 5	0. 0	2. 7
4- 7	si	5	Ty	21. 2	0. 0	-6. 7	24. 2

----- PROGR. 74.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
4-16			-1763. 0	436. 4	-62. 0	-126. 4	26. 3	-108. 1
1- 1			573. 2	-89. 3	28. 7	69. 7	97. 0	-11. 3
4- 7			2792. 5	-178. 2	-166. 0	-195. 3	52. 8	41. 7

TENSI ONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-16	si	3	Sx	-35. 6	0. 0	2. 1	35. 8
1- 1	si	7	Tz	-0. 3	2. 4	0. 0	4. 2
4- 7	si	5	Ty	-15. 1	0. 0	-6. 7	19. 1

----- PROGR. 87.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
1- 1			433. 2	-1525. 3	28. 7	69. 7	134. 4	-11. 3
4- 7			3404. 0	-944. 5	-166. 0	-195. 3	70. 6	41. 7

TENSI ONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	103. 9	0. 0	1. 0	103. 9
1- 1	si	7	Tz	0. 1	3. 4	0. 0	5. 8
4- 7	si	5	Ty	-66. 2	0. 0	-6. 7	67. 2

----- PROGR. 99.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
1- 1			293. 2	-3425. 5	28. 7	69. 7	171. 8	-11. 3
4- 7			4020. 4	-1931. 3	-166. 0	-195. 3	88. 4	41. 7

TENSI ONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	230. 3	0. 0	1. 0	230. 3
1- 1	si	7	Tz	0. 4	4. 3	0. 0	7. 4
4- 7	si	5	Ty	-132. 0	0. 0	-6. 7	132. 5

----- PROGR. 100.

VERI F I CA STABI LI TA` :

Z | LO = 99. | Ro = 11. 55 | Im = 8. 6 | Ncr = 16808757. 3 | al fa(c) = 0. 4900 | ki = 1. 0000  
 Y | Lc = 99. | Ro = 0. 43 | Im = 229. 4 | Ncr = 23637. 3 | al fa(c) = 0. 4900 | ki = 0. 0950  
 Caso 4- 5 - Nodo 1 - Asse Y  
 Ned = -181. 6 | Mzeq = 2728. 7 | Myeq = -1527. 8 | Ss = -141. 3 ( 0. 042)

RETTANGOLARE\_S007 ( 7 ) stato limite ultimo - ASTA ( 108- 109) 141  
 ----- PROGR. 0.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
1- 1			0. 0	-533. 9	0. 0	0. 0	-58. 2	0. 0
5- 5			-631. 7	-311. 0	0. 0	13. 7	-31. 5	42. 1

TENSI ONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-35. 6	0. 0	0. 0	35. 6
1- 1	si	7	Tz	0. 0	-1. 5	0. 0	2. 5
5- 5	si	5	Ty	-20. 5	0. 0	-1. 1	20. 6

----- PROGR. 2.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
1- 1			0. 0	-430. 1	0. 0	0. 0	-52. 5	0. 0
5- 5			-552. 7	-254. 5	0. 0	13. 7	-28. 8	42. 1

TENSI ONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-28. 7	0. 0	0. 0	28. 7
1- 1	si	7	Tz	0. 0	-1. 3	0. 0	2. 3
5- 5	si	5	Ty	-16. 7	0. 0	-1. 1	16. 8

----- PROGR. 4.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
1- 1			0. 0	-336. 9	0. 0	0. 0	-46. 9	0. 0
5- 5			-473. 7	-203. 1	0. 0	13. 7	-26. 1	42. 1

TENSI ONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-22. 5	0. 0	0. 0	22. 5
1- 1	si	7	Tz	0. 0	-1. 2	0. 0	2. 0
5- 5	si	5	Ty	-13. 3	0. 0	-1. 1	13. 4

----- PROGR. 6.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
1- 1			0. 0	-254. 3	0. 0	0. 0	-41. 2	0. 0
5- 5			-394. 8	-156. 6	0. 0	13. 7	-23. 4	42. 1

TENSI ONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-17. 0	0. 0	0. 0	17. 0

1- 1	si	7	Tz	0.0	-1.0	0.0	1.8	
5- 5	si	5	Ty	-10.2	0.0	-1.1	10.4	

8.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
1- 1			0.0	-182.2	0.0	0.0	-35.6	0.0
5- 5			-315.8	-115.2	0.0	13.7	-20.7	42.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi		Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	-12.1	0.0	0.0	12.1
1- 1	si	7	Tz	Ty	0.0	-0.9	0.0	1.5
5- 5	si	5	Tz	Ty	-7.5	0.0	-1.1	7.7

9.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
1- 1			0.0	-120.8	0.0	0.0	-29.9	0.0
5- 5			-236.9	-78.9	0.0	13.7	-18.0	42.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi		Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	-8.1	0.0	0.0	8.1
1- 1	si	7	Tz	Ty	0.0	-0.7	0.0	1.3
5- 5	si	5	Tz	Ty	-5.0	0.0	-1.1	5.4

11.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
1- 1			0.0	-69.9	0.0	0.0	-24.3	0.0
5- 5			-157.9	-47.6	0.0	13.7	-15.4	42.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi		Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	-4.7	0.0	0.0	4.7
1- 1	si	7	Tz	Ty	0.0	-0.6	0.0	1.1
5- 5	si	5	Tz	Ty	-2.9	0.0	-1.1	3.5

13.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
1- 1			0.0	-29.7	0.0	0.0	-18.6	0.0
5- 5			-79.0	-21.3	0.0	13.7	-12.7	42.1
5- 1			-79.0	-21.3	0.0	14.1	-12.7	42.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi		Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	-2.0	0.0	0.0	2.0
1- 1	si	7	Tz	Ty	0.0	-0.5	0.0	0.8
5- 5	si	5	Tz	Ty	-1.2	0.0	-1.1	2.2
5- 1	si	6	Tz	Ty	1.7	0.0	-1.1	2.5

15.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
4-16			0.0	0.0	0.0	-23.4	-10.0	-17.3
1- 1			0.0	0.0	0.0	0.0	-13.0	0.0
5- 5			0.0	0.0	0.0	13.7	-10.0	42.1
5- 1			0.0	0.0	0.0	14.1	-10.0	42.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi		Sx	Tz	Ty	Si
4-16	si	2	Sx	Si	-0.4	0.0	0.0	0.4
1- 1	si	7	Tz	Ty	0.0	-0.3	0.0	0.6
5- 5	si	5	Tz	Ty	0.2	0.0	-1.1	1.8
5- 1	si	6	Tz	Ty	0.2	0.0	-1.1	1.8

VERI F I CA STABI LI TA` :

Z | L0 = 15. | Ro = 11.55 | Im = 1.3 | Ncr=736930461.9 | al fa(c )=0.4900 | ki=1.0000  
 Y | Lc = 15. | Ro = 0.43 | Im = 34.6 | Ncr= 1036308.5 | al fa(c )=0.4900 | ki=0.8687  
 Caso 5-16 - Nodo 1 - Asse Y  
 Ned = -14.1 | Mzeq = 473.7 | Myeq = -233.2 | Ss = -17.0 ( 0.005)

RETTANGOLARE\_S007 ( 7) stato limite ultimo - ASTA ( 110- 111) 142  
 0.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
1- 1			0.0	-533.9	0.0	0.0	-58.2	0.0
4-13			64.0	-311.0	0.0	0.2	-31.5	-4.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi		Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	35.6	0.0	0.0	35.6
1- 1	si	7	Tz	Ty	0.0	-1.5	0.0	2.5
4-13	si	5	Tz	Ty	-20.7	0.0	0.1	20.7

2.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
1- 1			0.0	-430.1	0.0	0.0	-52.5	0.0
4-13			56.0	-254.5	0.0	0.2	-28.8	-4.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi		Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	28.7	0.0	0.0	28.7
1- 1	si	7	Tz	Ty	0.0	-1.3	0.0	2.3
4-13	si	5	Tz	Ty	-17.0	0.0	0.1	17.0

4.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
1- 1			0.0	-336.9	0.0	0.0	-46.9	0.0
4-13			48.0	-203.1	0.0	0.2	-26.1	-4.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi		Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	22.5	0.0	0.0	22.5
1- 1	si	7	Tz	Ty	0.0	-1.2	0.0	2.0
4-13	si	5	Tz	Ty	-13.5	0.0	0.1	13.5

6.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
1- 1			0.0	-254.3	0.0	0.0	-41.2	0.0
4-13			40.0	-156.6	0.0	0.2	-23.4	-4.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi		Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	17.0	0.0	0.0	17.0
1- 1	si	7	Tz	Ty	0.0	-1.0	0.0	1.8
4-13	si	5	Tz	Ty	-10.4	0.0	0.1	10.4

8.

SOLLECI TAZI ONI :

Caso			MZ	MY	MT	N	TZ	TY
1- 1			0.0	-182.2	0.0	0.0	-35.6	0.0
4-13			32.0	-115.2	0.0	0.2	-20.7	-4.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi		Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	17.0	0.0	0.0	17.0
1- 1	si	7	Tz	Ty	0.0	-1.0	0.0	1.8
4-13	si	5	Tz	Ty	-10.4	0.0	0.1	10.4



Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	12.1	0.0	0.0	12.1
1- 1	si	7	Tz	0.0	-0.9	0.0	1.5
4-13	si	5	Ty	-7.7	0.0	0.1	7.7

----- PROGR. 9.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-120.8	0.0	0.0	-29.9	0.0
4-13	24.0	-78.9	0.0	0.2	-18.0	-4.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	8.1	0.0	0.0	8.1
1- 1	si	7	Tz	0.0	-0.7	0.0	1.3
4-13	si	5	Ty	-5.3	0.0	0.1	5.3

----- PROGR. 11.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-69.9	0.0	0.0	-24.3	0.0
4-13	16.0	-47.6	0.0	0.2	-15.4	-4.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	4.7	0.0	0.0	4.7
1- 1	si	7	Tz	0.0	-0.6	0.0	1.1
4-13	si	5	Ty	-3.2	0.0	0.1	3.2

----- PROGR. 13.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-29.7	0.0	0.0	-18.6	0.0
4-13	8.0	-21.3	0.0	0.2	-12.7	-4.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	2.0	0.0	0.0	2.0
1- 1	si	7	Tz	0.0	-0.5	0.0	0.8
4-13	si	5	Ty	-1.4	0.0	0.1	1.4

----- PROGR. 15.

Caso	MZ	MY	MT	N	TZ	TY
5- 4	0.0	0.0	0.0	0.6	-10.0	-1.3
1- 1	0.0	0.0	0.0	0.0	-13.0	0.0
4-13	0.0	0.0	0.0	0.2	-10.0	-4.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5- 4	si	2	Sx	0.0	0.0	0.0	0.0
1- 1	si	7	Tz	0.0	-0.3	0.0	0.6
4-13	si	5	Ty	0.0	0.0	0.1	0.2

VERIFICA STABILITA` :

Z | LO = 15. | Ro = 11.55 | Im = 1.3 | Ncr=736930461.9 | al fa(c )=0.4900 | ki=1.0000  
 Y | Lc = 15. | Ro = 0.43 | Im = 34.6 | Ncr= 1036308.5 | al fa(c )=0.4900 | ki=0.8687  
 Caso 4- 4 - Nodo 4 - Asse Y  
 Ned = -0.2 | Mzeq = -48.0 | Myeq = -233.2 | Ss = -15.7 ( 0.005)

RETTANGOLARE\_S007 ( 7 ) stato limite ultimo - ASTA ( 112- 113) 143  
 ----- PROGR. 0.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-533.9	0.0	0.0	-58.2	0.0
4- 2	-64.0	-311.0	0.0	-0.3	-31.5	4.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-35.6	0.0	0.0	35.6
1- 1	si	7	Tz	0.0	-1.5	0.0	2.5
4- 2	si	5	Ty	-20.7	0.0	-0.1	20.7

----- PROGR. 2.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-430.1	0.0	0.0	-52.5	0.0
4- 2	-56.0	-254.5	0.0	-0.3	-28.8	4.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-28.7	0.0	0.0	28.7
1- 1	si	7	Tz	0.0	-1.3	0.0	2.3
4- 2	si	5	Ty	-17.0	0.0	-0.1	17.0

----- PROGR. 4.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-336.9	0.0	0.0	-46.9	0.0
4- 2	-48.0	-203.1	0.0	-0.3	-26.1	4.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-22.5	0.0	0.0	22.5
1- 1	si	7	Tz	0.0	-1.2	0.0	2.0
4- 2	si	5	Ty	-13.5	0.0	-0.1	13.5

----- PROGR. 6.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-254.3	0.0	0.0	-41.2	0.0
4- 2	-40.0	-156.6	0.0	-0.3	-23.4	4.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-17.0	0.0	0.0	17.0
1- 1	si	7	Tz	0.0	-1.0	0.0	1.8
4- 2	si	5	Ty	-10.4	0.0	-0.1	10.4

----- PROGR. 8.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-182.2	0.0	0.0	-35.6	0.0
4- 2	-32.0	-115.2	0.0	-0.3	-20.7	4.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-12.1	0.0	0.0	12.1
1- 1	si	7	Tz	0.0	-0.9	0.0	1.5
4- 2	si	5	Ty	-7.7	0.0	-0.1	7.7

----- PROGR. 9.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-120.8	0.0	0.0	-29.9	0.0
4- 2	-24.0	-78.9	0.0	-0.3	-18.0	4.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-8.1	0.0	0.0	8.1

1- 1	si	7	Tz	0.0	-0.7	0.0	1.3
4- 2	si	5	Ty	-5.3	0.0	-0.1	5.3

PROGR. 11.

## SOLLECI TAZI ONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-69.9	0.0	0.0	-24.3	0.0
4- 2		-16.0	-47.6	0.0	-0.3	-15.4	4.3

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
1- 1	si	4	mi	-4.7	0.0	0.0	4.7
1- 1	si	7	Si	0.0	-0.6	0.0	1.1
4- 2	si	5	Tz	-3.2	0.0	-0.1	3.2

PROGR. 13.

## SOLLECI TAZI ONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-29.7	0.0	0.0	-18.6	0.0
4- 2		-8.0	-21.3	0.0	-0.3	-12.7	4.3

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
1- 1	si	4	mi	-2.0	0.0	0.0	2.0
1- 1	si	7	Si	0.0	-0.5	0.0	0.8
4- 2	si	5	Tz	-1.4	0.0	-0.1	1.4

PROGR. 15.

## SOLLECI TAZI ONI :

Caso		MZ	MY	MT	N	TZ	TY
5- 7		0.0	0.0	0.0	-1.0	-10.0	1.3
1- 1		0.0	0.0	0.0	0.0	-13.0	0.0
4- 2		0.0	0.0	0.0	-0.3	-10.0	4.3

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
5- 7	si	2	mi	0.0	0.0	0.0	0.0
1- 1	si	7	Si	0.0	-0.3	0.0	0.6
4- 2	si	5	Tz	0.0	0.0	-0.1	0.2

## VERIFI CA STABI LI TA` :

Z | LO = 15. | Ro = 11.55 | Im = 1.3 | Ncr=736930461.9 | al fa(c) =0.4900 | ki =1.0000  
 Y | Lc = 15. | Ro = 0.43 | Im = 34.6 | Ncr= 1036308.5 | al fa(c) =0.4900 | ki =0.8687

Caso 4-12 - Nodo 4 - Asse Y  
 Ned = -0.3 | Mzeq = -48.0 | Myeq = -233.2 | Ss = -15.7 ( 0.005)

RETTANGOLARE\_S007 ( 7) stato limite ultimo - ASTA ( 114- 115) 144  
 0.0

## SOLLECI TAZI ONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-533.9	0.0	0.0	-58.2	0.0
5-12		449.3	-311.0	0.0	-1.4	-31.5	-30.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
1- 1	si	2	mi	35.6	0.0	0.0	35.6
1- 1	si	7	Si	0.0	-1.5	0.0	2.5
5-12	si	5	Tz	-20.8	0.0	0.7	20.8

PROGR. 2.

## SOLLECI TAZI ONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-430.1	0.0	0.0	-52.5	0.0
5-12		393.2	-254.5	0.0	-1.4	-28.8	-30.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
1- 1	si	2	mi	28.7	0.0	0.0	28.7
1- 1	si	7	Si	0.0	-1.3	0.0	2.3
5-12	si	5	Tz	-17.0	0.0	0.7	17.0

PROGR. 4.

## SOLLECI TAZI ONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-336.9	0.0	0.0	-46.9	0.0
5-12		337.0	-203.1	0.0	-1.4	-26.1	-30.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
1- 1	si	2	mi	22.5	0.0	0.0	22.5
1- 1	si	7	Si	0.0	-1.2	0.0	2.0
5-12	si	5	Tz	-13.6	0.0	0.7	13.6

PROGR. 6.

## SOLLECI TAZI ONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-254.3	0.0	0.0	-41.2	0.0
5-12		280.8	-156.6	0.0	-1.4	-23.4	-30.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
1- 1	si	2	mi	17.0	0.0	0.0	17.0
1- 1	si	7	Si	0.0	-1.0	0.0	1.8
5-12	si	5	Tz	-10.5	0.0	0.7	10.5

PROGR. 8.

## SOLLECI TAZI ONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-182.2	0.0	0.0	-35.6	0.0
5-12		224.7	-115.2	0.0	-1.4	-20.7	-30.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
1- 1	si	2	mi	12.1	0.0	0.0	12.1
1- 1	si	7	Si	0.0	-0.9	0.0	1.5
5-12	si	5	Tz	-7.7	0.0	0.7	7.8

PROGR. 9.

## SOLLECI TAZI ONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-120.8	0.0	0.0	-29.9	0.0
5-12		168.5	-78.9	0.0	-1.4	-18.0	-30.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
1- 1	si	2	mi	8.1	0.0	0.0	8.1
1- 1	si	7	Si	0.0	-0.7	0.0	1.3
5-12	si	5	Tz	-5.3	0.0	0.7	5.4

PROGR. 11.

## SOLLECI TAZI ONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-69.9	0.0	0.0	-24.3	0.0
5-12		112.3	-47.6	0.0	-1.4	-15.4	-30.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
1- 1	si	2	mi	4.7	0.0	0.0	4.7
1- 1	si	7	Si	0.0	-0.6	0.0	1.1
5-12	si	5	Tz	-3.2	0.0	0.7	3.4

----- PROGR. 13.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
4- 9		-24.8	-21.3	0.0	-34.6	-12.7	13.2
1- 1		0.0	-29.7	0.0	0.0	-18.6	0.0
5-12		56.2	-21.3	0.0	-1.4	-12.7	-30.0
5-14		55.2	-21.3	0.0	19.1	-12.7	-29.5
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 9	si	4	Sx	-2.1	0.0	0.0	2.1
1- 1	si	7	Tz	0.0	-0.5	0.0	0.8
5-12	si	5	Ty	-1.4	0.0	0.7	1.9
5-14	si	6	Si	1.7	0.0	0.7	2.2

----- PROGR. 15.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
4- 8		0.0	0.0	0.0	34.6	-10.0	-13.2
1- 1		0.0	0.0	0.0	0.0	-13.0	0.0
5-12		0.0	0.0	0.0	-1.4	-10.0	-30.0
5-14		0.0	0.0	0.0	19.1	-10.0	-29.5
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 8	si	1	Sx	0.6	0.0	0.0	0.6
1- 1	si	7	Tz	0.0	-0.3	0.0	0.6
5-12	si	5	Ty	0.0	0.0	0.7	1.3
5-14	si	5	Si	0.3	0.0	0.7	1.3

----- VERIFICA STABILITA` :-----

Z | LO = 15. | Ro = 11.55 | Im = 1.3 | Ncr=736930461.9 | al fa(c )=0.4900 | ki=1.0000  
 Y | Lc = 15. | Ro = 0.43 | Im = 34.6 | Ncr= 1036308.5 | al fa(c )=0.4900 | ki=0.8687  
 Caso 5- 3 - Nodo 4 - Asse Y  
 Ned = -19.1 | Mzeq = -331.4 | Myeq = -233.2 | Ss = -16.7 ( 0.005)

RETTANGOLARE\_S007 ( 7 ) stato limite ultimo - ASTA ( 116- 117 ) 145  
----- PROGR. 7. 0.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-533.9	0.0	0.0	-58.2	0.0
5-16		455.9	-311.0	0.0	-2.6	-31.5	-30.4
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-35.6	0.0	0.0	35.6
1- 1	si	7	Tz	0.0	-1.5	0.0	2.5
5-16	si	5	Ty	-20.8	0.0	0.8	20.8

----- PROGR. 2.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-430.1	0.0	0.0	-52.5	0.0
5-16		398.9	-254.5	0.0	-2.6	-28.8	-30.4
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-28.7	0.0	0.0	28.7
1- 1	si	7	Tz	0.0	-1.3	0.0	2.3
5-16	si	5	Ty	-17.0	0.0	0.8	17.1

----- PROGR. 4.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-336.9	0.0	0.0	-46.9	0.0
5-16		341.9	-203.1	0.0	-2.6	-26.1	-30.4
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-22.5	0.0	0.0	22.5
1- 1	si	7	Tz	0.0	-1.2	0.0	2.0
5-16	si	5	Ty	-13.6	0.0	0.8	13.6

----- PROGR. 6.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-254.3	0.0	0.0	-41.2	0.0
5-16		285.0	-156.6	0.0	-2.6	-23.4	-30.4
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-17.0	0.0	0.0	17.0
1- 1	si	7	Tz	0.0	-1.0	0.0	1.8
5-16	si	5	Ty	-10.5	0.0	0.8	10.6

----- PROGR. 8.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-182.2	0.0	0.0	-35.6	0.0
5-16		228.0	-115.2	0.0	-2.6	-20.7	-30.4
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-12.1	0.0	0.0	12.1
1- 1	si	7	Tz	0.0	-0.9	0.0	1.5
5-16	si	5	Ty	-7.7	0.0	0.8	7.8

----- PROGR. 9.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-120.8	0.0	0.0	-29.9	0.0
5-16		171.0	-78.9	0.0	-2.6	-18.0	-30.4
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-8.1	0.0	0.0	8.1
1- 1	si	7	Tz	0.0	-0.7	0.0	1.3
5-16	si	5	Ty	-5.3	0.0	0.8	5.5

----- PROGR. 11.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-69.9	0.0	0.0	-24.3	0.0
5-16		114.0	-47.6	0.0	-2.6	-15.4	-30.4
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-4.7	0.0	0.0	4.7
1- 1	si	7	Tz	0.0	-0.6	0.0	1.1
5-16	si	5	Ty	-3.2	0.0	0.8	3.5

----- PROGR. 13.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
4-10		-25.0	-21.3	0.0	-35.9	-12.7	13.3
1- 1		0.0	-29.7	0.0	0.0	-18.6	0.0
5-16		57.0	-21.3	0.0	-2.6	-12.7	-30.4
5- 7		-56.0	-21.3	0.0	-18.0	-12.7	29.9

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-10	si	4	Sx	-2.1	0.0	0.0	2.1
1-1	si	7	Tz	0.0	-0.5	0.0	0.8
5-16	si	5	Ty	-1.5	0.0	0.8	2.0
5-7	si	5	Si	-1.7	0.0	-0.7	2.2

PROGR. 15.

SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
4-7	0.0	0.0	0.0	35.9	-10.0	-13.3	
1-1	0.0	0.0	0.0	0.0	-13.0	0.0	
5-16	0.0	0.0	0.0	-2.6	-10.0	-30.4	
5-10	0.0	0.0	0.0	18.0	-10.0	-29.9	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-7	si	1	Sx	0.6	0.0	0.0	0.6
1-1	si	7	Tz	0.0	-0.3	0.0	0.6
5-16	si	5	Ty	0.0	0.0	0.8	1.3
5-10	si	5	Si	0.3	0.0	0.7	1.3

## VERIFICAZIONE STABILITÀ :

Z	LO = 15.	Ro = 11.55	Im = 1.3	Ncr=736930461.9	al fa(c) =0.4900	ki=1.0000
Y	Lc = 15.	Ro = 0.43	Im = 34.6	Ncr= 1036308.5	al fa(c) =0.4900	ki=0.8687
Caso 5-7 - Nodo 4 - Asse Y	Ned = -18.0   Mzeq = -336.1   Myeq = -233.2   Ss = -16.7 ( 0.005)					

RETTANGOLARE\_S007 ( 7 ) stato limite ultimo - ASTA ( 118- 119) 146  
PROGR. 0.

SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1-1	0.0	-533.9	0.0	0.0	-58.2	0.0	
4-12	-84.7	-311.0	0.0	-0.4	-31.5	5.6	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	4	Sx	-35.6	0.0	0.0	35.6
1-1	si	7	Tz	0.0	-1.5	0.0	2.5
4-12	si	5	Ty	-20.7	0.0	-0.1	20.7

PROGR. 2.

SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1-1	0.0	-430.1	0.0	0.0	-52.5	0.0	
4-12	-74.1	-254.5	0.0	-0.4	-28.8	5.6	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	4	Sx	-28.7	0.0	0.0	28.7
1-1	si	7	Tz	0.0	-1.3	0.0	2.3
4-12	si	5	Ty	-17.0	0.0	-0.1	17.0

PROGR. 4.

SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1-1	0.0	-336.9	0.0	0.0	-46.9	0.0	
4-12	-63.5	-203.1	0.0	-0.4	-26.1	5.6	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	4	Sx	-22.5	0.0	0.0	22.5
1-1	si	7	Tz	0.0	-1.2	0.0	2.0
4-12	si	5	Ty	-13.5	0.0	-0.1	13.5

PROGR. 6.

SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1-1	0.0	-254.3	0.0	0.0	-41.2	0.0	
4-12	-52.9	-156.6	0.0	-0.4	-23.4	5.6	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	4	Sx	-17.0	0.0	0.0	17.0
1-1	si	7	Tz	0.0	-1.0	0.0	1.8
4-12	si	5	Ty	-10.4	0.0	-0.1	10.5

PROGR. 8.

SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1-1	0.0	-182.2	0.0	0.0	-35.6	0.0	
4-12	-42.3	-115.2	0.0	-0.4	-20.7	5.6	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	4	Sx	-12.1	0.0	0.0	12.1
1-1	si	7	Tz	0.0	-0.9	0.0	1.5
4-12	si	5	Ty	-7.7	0.0	-0.1	7.7

PROGR. 9.

SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1-1	0.0	-120.8	0.0	0.0	-29.9	0.0	
4-12	-31.8	-78.9	0.0	-0.4	-18.0	5.6	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	4	Sx	-8.1	0.0	0.0	8.1
1-1	si	7	Tz	0.0	-0.7	0.0	1.3
4-12	si	5	Ty	-5.3	0.0	-0.1	5.3

PROGR. 11.

SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1-1	0.0	-69.9	0.0	0.0	-24.3	0.0	
4-12	-21.2	-47.6	0.0	-0.4	-15.4	5.6	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	4	Sx	-4.7	0.0	0.0	4.7
1-1	si	7	Tz	0.0	-0.6	0.0	1.1
4-12	si	5	Ty	-3.2	0.0	-0.1	3.2

PROGR. 13.

SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1-1	0.0	-29.7	0.0	0.0	-18.6	0.0	
4-12	-10.6	-21.3	0.0	-0.4	-12.7	5.6	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	4	Sx	-2.0	0.0	0.0	2.0
1-1	si	7	Tz	0.0	-0.5	0.0	0.8
4-12	si	5	Ty	-1.4	0.0	-0.1	1.4

PROGR. 15.

SOLLECI TAZI ONI :							
Caso	MZ	MY	MT	N	TZ	TY	
5-14	0.0	0.0	0.0	-1.2	-10.0	-1.7	

1- 1			0.0	0.0	0.0	0.0	-13.0	0.0
4-12			0.0	0.0	0.0	-0.4	-10.0	5.6
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-14	si	3	Sx	0.0	0.0	0.0	0.0	
1- 1	si	7	Tz	0.0	-0.3	0.0	0.6	
4-12	si	5	Ty	0.0	0.0	-0.1	0.2	

VERIFI CA STABI LI TA` :

Z	LO = 15.	Ro = 11.55	Im = 1.3	Ncr=736930461.9	al fa(c )=0.4900	ki=1.0000
Y	Lc = 15.	Ro = 0.43	Im = 34.6	Ncr= 1036308.5	al fa(c )=0.4900	ki=0.8687
Caso 4- 4 - Nodo 4 - Asse Y						
Ned =	-0.4	Mzeq =	-63.5	Myeq =	-233.2	Ss = -15.7 ( 0.005)

RETTANGOLARE\_S007 ( 7) stato limite ultimo - ASTA ( 120- 121) 147  
PROGR. 0.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			0.0	-533.9	0.0	0.0	-58.2	0.0
4- 8			105.3	-311.0	0.0	0.2	-31.5	-7.0
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	2	Sx	35.6	0.0	0.0	35.6	
1- 1	si	7	Tz	0.0	-1.5	0.0	2.5	
4- 8	si	5	Ty	-20.7	0.0	0.2	20.7	

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			0.0	-430.1	0.0	0.0	-52.5	0.0
4- 8			92.2	-254.5	0.0	0.2	-28.8	-7.0
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	2	Sx	28.7	0.0	0.0	28.7	
1- 1	si	7	Tz	0.0	-1.3	0.0	2.3	
4- 8	si	5	Ty	-17.0	0.0	0.2	17.0	

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			0.0	-336.9	0.0	0.0	-46.9	0.0
4- 8			79.0	-203.1	0.0	0.2	-26.1	-7.0
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	2	Sx	22.5	0.0	0.0	22.5	
1- 1	si	7	Tz	0.0	-1.2	0.0	2.0	
4- 8	si	5	Ty	-13.5	0.0	0.2	13.5	

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			0.0	-254.3	0.0	0.0	-41.2	0.0
4- 8			65.8	-156.6	0.0	0.2	-23.4	-7.0
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	2	Sx	17.0	0.0	0.0	17.0	
1- 1	si	7	Tz	0.0	-1.0	0.0	1.8	
4- 8	si	5	Ty	-10.4	0.0	0.2	10.4	

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			0.0	-182.2	0.0	0.0	-35.6	0.0
4- 8			52.7	-115.2	0.0	0.2	-20.7	-7.0
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	2	Sx	12.1	0.0	0.0	12.1	
1- 1	si	7	Tz	0.0	-0.9	0.0	1.5	
4- 8	si	5	Ty	-7.7	0.0	0.2	7.7	

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			0.0	-120.8	0.0	0.0	-29.9	0.0
4- 8			39.5	-78.9	0.0	0.2	-18.0	-7.0
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	2	Sx	8.1	0.0	0.0	8.1	
1- 1	si	7	Tz	0.0	-0.7	0.0	1.3	
4- 8	si	5	Ty	-5.3	0.0	0.2	5.3	

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			0.0	-69.9	0.0	0.0	-24.3	0.0
4- 8			26.3	-47.6	0.0	0.2	-15.4	-7.0
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	2	Sx	4.7	0.0	0.0	4.7	
1- 1	si	7	Tz	0.0	-0.6	0.0	1.1	
4- 8	si	5	Ty	-3.2	0.0	0.2	3.2	

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			0.0	-29.7	0.0	0.0	-18.6	0.0
4- 8			13.2	-21.3	0.0	0.2	-12.7	-7.0
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	2	Sx	2.0	0.0	0.0	2.0	
1- 1	si	7	Tz	0.0	-0.5	0.0	0.8	
4- 8	si	5	Ty	-1.4	0.0	0.2	1.4	

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
5-15			0.0	0.0	0.0	0.6	-10.0	2.1
1- 1			0.0	0.0	0.0	0.0	-13.0	0.0
4- 8			0.0	0.0	0.0	0.2	-10.0	-7.0
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-15	si	1	Sx	0.0	0.0	0.0	0.0	
1- 1	si	7	Tz	0.0	-0.3	0.0	0.6	
4- 8	si	5	Ty	0.0	0.0	0.2	0.3	

VERIFI CA STABI LI TA` :

|LO = 15. |

Z | Lc = 15. | Ro = 11.55 | Im = 1.3 | Ncr=736930461.9 | al fa(c) = 0.4900 | ki = 1.0000  
 Y | Lc = 15. | Ro = 0.43 | Im = 34.6 | Ncr= 1036308.5 | al fa(c) = 0.4900 | ki = 0.8687  
 Caso 4-7 - Nodo 1 - Asse Y  
 Ned = -0.2 | Mzeq = 79.0 | Myeq = -233.2 | Ss = -15.8 ( 0.005)

RETTANGOLARE\_S007 ( 7) stato limite ultimo - ASTA ( 122- 123) 148  
 ----- PROGR. 0.

SOLLECI TAZI ONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-533.9	0.0	0.0	-58.2	0.0
4-12	-105.3	-311.0	0.0	0.1	-31.5	7.0

TENSI ONI (Sz= 0.00) :  

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-35.6	0.0	0.0	35.6
1- 1	si	7	Tz	0.0	-1.5	0.0	2.5
4-12	si	5	Ty	-20.7	0.0	-0.2	20.7

SOLLECI TAZI ONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-430.1	0.0	0.0	-52.5	0.0
4-12	-92.2	-254.5	0.0	0.1	-28.8	7.0

TENSI ONI (Sz= 0.00) :  

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-28.7	0.0	0.0	28.7
1- 1	si	7	Tz	0.0	-1.3	0.0	2.3
4-12	si	5	Ty	-17.0	0.0	-0.2	17.0

SOLLECI TAZI ONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-336.9	0.0	0.0	-46.9	0.0
4-12	-79.0	-203.1	0.0	0.1	-26.1	7.0

TENSI ONI (Sz= 0.00) :  

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-22.5	0.0	0.0	22.5
1- 1	si	7	Tz	0.0	-1.2	0.0	2.0
4-12	si	5	Ty	-13.5	0.0	-0.2	13.5

SOLLECI TAZI ONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-254.3	0.0	0.0	-41.2	0.0
4-12	-65.8	-156.6	0.0	0.1	-23.4	7.0

TENSI ONI (Sz= 0.00) :  

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-17.0	0.0	0.0	17.0
1- 1	si	7	Tz	0.0	-1.0	0.0	1.8
4-12	si	5	Ty	-10.4	0.0	-0.2	10.4

SOLLECI TAZI ONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-182.2	0.0	0.0	-35.6	0.0
4-12	-52.7	-115.2	0.0	0.1	-20.7	7.0

TENSI ONI (Sz= 0.00) :  

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-12.1	0.0	0.0	12.1
1- 1	si	7	Tz	0.0	-0.9	0.0	1.5
4-12	si	5	Ty	-7.7	0.0	-0.2	7.7

SOLLECI TAZI ONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-120.8	0.0	0.0	-29.9	0.0
4-12	-39.5	-78.9	0.0	0.1	-18.0	7.0

TENSI ONI (Sz= 0.00) :  

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-8.1	0.0	0.0	8.1
1- 1	si	7	Tz	0.0	-0.7	0.0	1.3
4-12	si	5	Ty	-5.3	0.0	-0.2	5.3

SOLLECI TAZI ONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-69.9	0.0	0.0	-24.3	0.0
4-12	-26.3	-47.6	0.0	0.1	-15.4	7.0

TENSI ONI (Sz= 0.00) :  

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-4.7	0.0	0.0	4.7
1- 1	si	7	Tz	0.0	-0.6	0.0	1.1
4-12	si	5	Ty	-3.2	0.0	-0.2	3.2

SOLLECI TAZI ONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-29.7	0.0	0.0	-18.6	0.0
4-12	-13.2	-21.3	0.0	0.1	-12.7	7.0

TENSI ONI (Sz= 0.00) :  

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-2.0	0.0	0.0	2.0
1- 1	si	7	Tz	0.0	-0.5	0.0	0.8
4-12	si	5	Ty	-1.4	0.0	-0.2	1.4

SOLLECI TAZI ONI :  

Caso	MZ	MY	MT	N	TZ	TY
5- 4	0.0	0.0	0.0	-0.2	-10.0	-2.1
1- 1	0.0	0.0	0.0	0.0	-13.0	0.0
4-12	0.0	0.0	0.0	0.1	-10.0	7.0

TENSI ONI (Sz= 0.00) :  

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5- 4	si	4	Sx	0.0	0.0	0.0	0.0
1- 1	si	7	Tz	0.0	-0.3	0.0	0.6
4-12	si	5	Ty	0.0	0.0	-0.2	0.3

VERIFI CA STABI LI TA` :

Z | LO = 15. | Ro = 11.55 | Im = 1.3 | Ncr=736930461.9 | al fa(c) = 0.4900 | ki = 1.0000  
 Y | Lc = 15. | Ro = 0.43 | Im = 34.6 | Ncr= 1036308.5 | al fa(c) = 0.4900 | ki = 0.8687  
 Caso 4-11 - Nodo 4 - Asse Y  
 Ned = -0.1 | Mzeq = -79.0 | Myeq = -233.2 | Ss = -15.7 ( 0.005)

RETTANGOLARE\_S007 ( 7) stato limite ultimo - ASTA ( 124- 110) 149  
 ----- PROGR. 0.

SOLLECI TAZI ONI :  

Caso	MZ	MY	MT	N	TZ	TY
4- 2	-3683.1	3397.0	41.1	51.7	15.2	118.8
4-15	7331.7	-1589.0	-29.9	-73.4	-79.9	-165.0

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
4- 2	si	1	Sx Si	236. 5	0. 0	1. 4	236. 6		
4-15	si	7	Tz	-19. 6	-2. 0	0. 0	19. 9		
4-15	si	5	Ty	-107. 2	0. 0	5. 1	107. 5		
-----									PROGR. 12.
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			1167. 8	3381. 0	128. 7	-37. 4	-7. 0	-8. 2	
4-15			5323. 2	-707. 2	-29. 9	-73. 4	-62. 2	-165. 0	
TENSI ONI (Sz= 0. 00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx Si	-228. 9	0. 0	4. 4	229. 1		
4-15	si	7	Tz	-14. 5	-1. 6	0. 0	14. 8		
4-15	si	5	Ty	-48. 4	0. 0	5. 1	49. 2		
-----									PROGR. 25.
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			1066. 0	3235. 6	128. 7	-37. 4	30. 4	-8. 2	
4- 2			-588. 2	2579. 7	41. 1	51. 7	50. 7	118. 8	
4-15			3089. 9	-46. 1	-29. 9	-73. 4	-44. 4	-165. 0	
TENSI ONI (Sz= 0. 00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx Si	-219. 0	0. 0	4. 4	219. 1		
4- 2	si	7	Tz	2. 3	1. 3	0. 0	3. 2		
4-15	si	5	Ty	-4. 3	0. 0	5. 1	9. 9		
-----									PROGR. 37.
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			964. 2	2625. 8	128. 7	-37. 4	67. 8	-8. 2	
4- 2			193. 0	1840. 9	41. 1	51. 7	68. 5	118. 8	
4-15			1735. 3	393. 8	-29. 9	-73. 4	-26. 6	-165. 0	
TENSI ONI (Sz= 0. 00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx Si	-178. 1	0. 0	4. 4	178. 3		
4- 2	si	7	Tz	0. 4	1. 7	0. 0	3. 0		
4-15	si	5	Ty	25. 0	0. 0	5. 1	26. 6		
-----									PROGR. 50.
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			862. 4	1551. 8	128. 7	-37. 4	105. 2	-8. 2	
4-15			-1218. 2	605. 3	-29. 9	-73. 4	-8. 9	-165. 0	
TENSI ONI (Sz= 0. 00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx Si	-106. 2	0. 0	4. 4	106. 5		
1- 1	si	7	Tz	-2. 8	2. 6	0. 0	5. 3		
4-15	si	5	Ty	39. 1	0. 0	5. 1	40. 1		
-----									PROGR. 62.
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
4-15			-3135. 7	619. 5	-29. 9	-73. 4	8. 9	-165. 0	
1- 1			760. 6	13. 4	128. 7	-37. 4	142. 6	-8. 2	
TENSI ONI (Sz= 0. 00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
4-15	si	3	Sx Si	-50. 4	0. 0	1. 0	50. 4		
1- 1	si	7	Tz	-2. 5	3. 6	0. 0	6. 7		
4-15	si	5	Ty	40. 1	0. 0	5. 1	41. 1		
-----									PROGR. 74.
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			658. 8	-1989. 2	128. 7	-37. 4	180. 0	-8. 2	
4-15			-5138. 2	396. 7	-29. 9	-73. 4	26. 7	-165. 0	
TENSI ONI (Sz= 0. 00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx Si	-134. 9	0. 0	4. 4	135. 1		
1- 1	si	7	Tz	-2. 3	4. 5	0. 0	8. 1		
4-15	si	5	Ty	25. 2	0. 0	5. 1	26. 8		
-----									PROGR. 87.
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			557. 0	-4456. 1	128. 7	-37. 4	217. 4	-8. 2	
4-15			-7163. 7	-45. 1	-29. 9	-73. 4	44. 4	-165. 0	
TENSI ONI (Sz= 0. 00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx Si	-299. 1	0. 0	4. 4	299. 2		
1- 1	si	7	Tz	-2. 0	5. 4	0. 0	9. 6		
4-15	si	5	Ty	-4. 2	0. 0	5. 1	9. 9		
-----									PROGR. 99.
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			455. 2	-7387. 3	128. 7	-37. 4	254. 8	-8. 2	
4-15			-9198. 4	-707. 3	-29. 9	-73. 4	62. 2	-165. 0	
TENSI ONI (Sz= 0. 00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx Si	-494. 2	0. 0	4. 4	494. 3		
1- 1	si	7	Tz	-1. 8	6. 4	0. 0	11. 2		
4-15	si	5	Ty	-48. 4	0. 0	5. 1	49. 2		

## VERI F I C A STABI LI TA ` :

Z | LO = 99. | Ro = 11. 55 | Im = 8. 6 | Ncr= 16808757. 3 | al fa(c )=0. 4900 | ki=1. 0000  
 Y | Lc = 99. | Ro = 0. 43 | Im = 229. 4 | Ncr= 23637. 3 | al fa(c )=0. 4900 | ki=0. 0950  
 Caso 1- 1 - Nodo 1 - Asse Y  
 Ned = -37. 4 | Mzeq = 1121. 1 | Myeq = -5540. 5 | Ss = -379. 3 ( 0. 112)

RETTANGOLARE\_S007 ( 7 ) stato li mi te ul ti mo - ASTA ( 125- 112) 150  
 0. ----- PROGR.

SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			6482. 0	8475. 2	143. 3	11. 9	69. 0	-99. 2	
TENSI ONI (Sz= 0. 00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx Si	581. 4	0. 0	4. 9	581. 5		
1- 1	si	7	Tz	-16. 0	1. 7	0. 0	16. 3		
1- 1	si	5	Ty	565. 2	0. 0	7. 4	565. 4		
-----									PROGR. 12.
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			5250. 4	7386. 4	143. 3	11. 9	106. 4	-99. 2	
TENSI ONI (Sz= 0. 00) :									
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx Si	505. 8	0. 0	4. 9	505. 8		
1- 1	si	7	Tz	-12. 9	2. 7	0. 0	13. 7		

1-1	si	5	Ty	492.6	0.0	7.4	492.8	25.
SOLLECI TAZI ONI :								
Caso	MZ			MY	MT	N	TZ	TY
1-1	si	4		4018.8	5833.4	143.3	143.8	-99.2
TENSIONI (Sz=0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	399.1	0.0	4.9	399.2	
1-1	si	7	Tz	-9.8	3.6	0.0	11.7	
1-1	si	5	Ty	389.1	0.0	7.4	389.3	
----- PROGR. 37.								
SOLLECI TAZI ONI :								
Caso	MZ			MY	MT	N	TZ	TY
1-1	si	4		2787.2	3816.1	143.3	181.2	-99.2
TENSIONI (Sz=0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	261.6	0.0	4.9	261.7	
1-1	si	7	Tz	-6.8	4.5	0.0	10.4	
1-1	si	5	Ty	254.6	0.0	7.4	254.9	
----- PROGR. 50.								
SOLLECI TAZI ONI :								
Caso	MZ			MY	MT	N	TZ	TY
1-1	si	4		1555.6	1334.5	143.3	218.6	-99.2
TENSIONI (Sz=0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	93.1	0.0	4.9	93.4	
1-1	si	7	Tz	-3.7	5.5	0.0	10.2	
1-1	si	5	Ty	89.2	0.0	7.4	90.1	
----- PROGR. 62.								
SOLLECI TAZI ONI :								
Caso	MZ			MY	MT	N	TZ	TY
1-1	si	3		323.9	-1611.4	143.3	256.0	-99.2
TENSIONI (Sz=0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	108.4	0.0	4.9	108.8	
1-1	si	7	Tz	-0.6	6.4	0.0	11.1	
1-1	si	5	Ty	-107.2	0.0	7.4	108.0	
----- PROGR. 74.								
SOLLECI TAZI ONI :								
Caso	MZ			MY	MT	N	TZ	TY
1-1	si	2		-907.7	-5021.6	143.3	293.4	-99.2
TENSIONI (Sz=0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	337.2	0.0	4.9	337.3	
1-1	si	7	Tz	2.5	7.3	0.0	12.9	
1-1	si	5	Ty	-334.6	0.0	7.4	334.8	
----- PROGR. 87.								
SOLLECI TAZI ONI :								
Caso	MZ			MY	MT	N	TZ	TY
1-1	si	2		-2139.3	-8896.1	143.3	330.8	-99.2
TENSIONI (Sz=0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	598.6	0.0	4.9	598.7	
1-1	si	7	Tz	5.5	8.3	0.0	15.4	
1-1	si	5	Ty	-592.9	0.0	7.4	593.0	
----- PROGR. 99.								
SOLLECI TAZI ONI :								
Caso	MZ			MY	MT	N	TZ	TY
1-1	si	2		-3370.9	-13234.8	143.3	368.2	-99.2
TENSIONI (Sz=0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	890.9	0.0	4.9	891.0	
1-1	si	7	Tz	8.6	9.2	0.0	18.1	
1-1	si	5	Ty	-882.1	0.0	7.4	882.2	
----- PROGR. 12.								
VERI F I C A S T A B I L I T A` :								
Z	LO =	99.	Ro =	11.55	Im =	8.6	Ncr=	16808757.3
Y	Lc =	99.	Ro =	0.43	Im =	229.4	Ncr=	23637.3
Caso 4-2 - Nodo 1 - Asse Y								
Ned =	-74.3	Mzeq =	4444.4	Myeq =	-5382.8	Ss =	-384.1	( 0.114)
RETTANGOLARE_S007 ( 7 ) stato limite ultimo - ASTA ( 126- 114) 151								
----- PROGR. 0.								
SOLLECI TAZI ONI :								
Caso	MZ			MY	MT	N	TZ	TY
4-15	si	3		9366.3	-2411.5	-116.5	39.1	-97.8
1-1	si	1		12530.2	-691.8	52.0	19.1	-120.8
TENSIONI (Sz=0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
4-15	si	3	Sx	184.8	0.0	4.0	185.0	
1-1	si	7	Tz	-31.0	-3.0	0.0	31.4	
4-15	si	5	Ty	-160.1	0.0	8.4	160.8	
----- PROGR. 12.								
SOLLECI TAZI ONI :								
Caso	MZ			MY	MT	N	TZ	TY
4-15	si	3		7254.7	-1308.4	-116.5	39.1	-80.0
1-1	si	1		9841.9	576.4	52.0	19.1	-83.5
TENSIONI (Sz=0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
4-15	si	3	Sx	106.0	0.0	4.0	106.2	
1-1	si	7	Tz	-24.3	-2.1	0.0	24.6	
4-15	si	5	Ty	-86.6	0.0	8.4	87.8	
----- PROGR. 25.								
SOLLECI TAZI ONI :								
Caso	MZ			MY	MT	N	TZ	TY
1-1	si	4		7153.6	1380.3	52.0	19.1	-46.1
4-15	si	2		5235.2	-426.1	-116.5	39.1	-62.2
TENSIONI (Sz=0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	110.2	0.0	1.8	110.3	
4-15	si	7	Tz	-12.4	-1.6	0.0	12.7	
4-15	si	5	Ty	-27.8	0.0	8.4	31.4	
----- PROGR. 37.								
SOLLECI TAZI ONI :								
Caso	MZ			MY	MT	N	TZ	TY
1-1	si	4		4465.3	1719.9	52.0	19.1	-8.7
4-15	si	3		3408.6	234.4	-116.5	39.1	-44.5
TENSIONI (Sz=0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	126.1	0.0	1.8	126.2	
4-15	si	7	Tz	-7.9	-1.1	0.0	8.1	



| 4-15 | si | 5 | Ty | 16.3 | 0.0 | 8.4 | 21.9 |  
-----  
PROGR. 50.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	1777.0	1595.3	52.0	19.1	28.7	-216.5
4- 2	2082.1	855.1	157.2	-29.7	35.3	-41.3
4-15	-164.0	663.5	-116.5	39.1	-26.7	-177.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	111.1	0.0	1.8	111.2
4- 2	si	7	Tz	-5.7	0.9	0.0	5.9
4-15	si	5	Ty	44.9	0.0	8.4	47.2

-----  
PROGR. 62.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-911.3	1006.3	52.0	19.1	66.1	-216.5
4-15	-2219.3	909.3	-116.5	39.1	-8.9	-177.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	69.7	0.0	1.8	69.8
1- 1	si	7	Tz	2.6	1.7	0.0	3.9
4-15	si	5	Ty	61.3	0.0	8.4	63.0

-----  
PROGR. 74.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-15	-4341.5	905.7	-116.5	39.1	8.8	-177.8
1- 1	-3599.6	-47.0	52.0	19.1	103.5	-216.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
4-15	si	1	Sx	71.9	0.0	4.0	72.2
1- 1	si	7	Tz	9.3	2.6	0.0	10.3
4-15	si	5	Ty	61.0	0.0	8.4	62.8

-----  
PROGR. 87.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-6288.0	-1564.5	52.0	19.1	140.9	-216.5
4-15	-6499.4	684.7	-116.5	39.1	26.6	-177.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	120.3	0.0	1.8	120.4
1- 1	si	7	Tz	16.0	3.5	0.0	17.2
4-15	si	5	Ty	46.3	0.0	8.4	48.5

-----  
PROGR. 99.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-8976.3	-3546.4	52.0	19.1	178.3	-216.5
4-15	-8674.9	243.7	-116.5	39.1	44.4	-177.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	259.2	0.0	1.8	259.2
1- 1	si	7	Tz	22.8	4.5	0.0	24.0
4-15	si	5	Ty	16.9	0.0	8.4	22.3

## VERIFI CA STABI LI TA` :

Z | LO = 99. | Ro = 11.55 | Im = 8.6 | Ncr= 16808757.3 | al fa(c)=0.4900 | ki=1.0000  
 Y | Lc = 99. | Ro = 0.43 | Im = 229.4 | Ncr= 23637.3 | al fa(c)=0.4900 | ki=0.0950  
 Caso 4- 2 - Nodo 1 - Asse Y  
 Ned = -29.7 | Mzeq = 2574.3 | Myeq = -2009.4 | Ss = -145.8 ( 0.043)

RETTANGOLARE\_S007 ( 7) stato limite ultimo - ASTA ( 127- 116) 152  
 -----  
 PROGR. 0.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 7	8964.1	-1954.0	46.6	-33.4	-89.4	-163.2
1- 1	11747.8	-600.3	-111.4	-59.4	-117.9	-216.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
4- 7	si	1	Sx	-153.2	0.0	1.6	153.3
1- 1	si	7	Tz	-30.4	-2.9	0.0	30.8
1- 1	si	5	Ty	-41.0	0.0	9.2	44.0

-----  
PROGR. 12.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 7	6953.2	-955.1	46.6	-33.4	-71.6	-163.2
1- 1	9055.7	630.7	-111.4	-59.4	-80.5	-216.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
4- 7	si	1	Sx	-81.6	0.0	1.6	81.7
1- 1	si	7	Tz	-23.6	-2.0	0.0	23.9
1- 1	si	5	Ty	41.1	0.0	9.2	44.1

-----  
PROGR. 25.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	6363.6	1397.4	-111.4	-59.4	-43.1	-216.8
4- 7	4952.0	-177.3	46.6	-33.4	-53.9	-163.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-110.1	0.0	3.8	110.3
4- 7	si	7	Tz	-12.9	-1.3	0.0	13.1
1- 1	si	5	Ty	92.2	0.0	9.2	93.5

-----  
PROGR. 37.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	3671.4	1699.8	-111.4	-59.4	-5.7	-216.8
4- 7	2974.3	377.4	46.6	-33.4	-36.1	-163.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-123.5	0.0	3.8	123.7
4- 7	si	7	Tz	-8.0	-0.9	0.0	8.1
1- 1	si	5	Ty	112.3	0.0	9.2	113.5

-----  
PROGR. 50.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	979.3	1537.9	-111.4	-59.4	31.7	-216.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-106.0	0.0	3.8	106.2
1- 1	si	7	Tz	-3.4	0.8	0.0	3.7
1- 1	si	5	Ty	101.5	0.0	9.2	102.8

-----  
PROGR. 62.

## SOLLECI TAZI ONI :

Caso	1-1		MZ	MY	MT	N	TZ	TY
TENSI ONI	(Sz=		-1712.8	911.7	-111.4	-59.4	69.1	-216.8
	0.00)		:					
Caso	1-1	3	Sx	Sy	Sz			
	1-1	4	Tz					
	1-1	5	Ty					

SOLLECI TAZI ONI								
Caso	1-1		MZ	MY	MT	N	TZ	TY
TENSI ONI	(Sz=		-3455.8	739.7	46.6	-33.4	17.2	-163.2
	0.00)		:					

Caso	1-1	4	Sx	Sy	Sz			
	1-1	5	Tz					
	1-1	6	Ty					

SOLLECI TAZI ONI								
Caso	1-1		MZ	MY	MT	N	TZ	TY
TENSI ONI	(Sz=		-7097.0	-1733.5	-111.4	-59.4	143.9	-216.8
	0.00)		:					

Caso	1-1	4	Sx	Sy	Sz			
	1-1	5	Tz					
	1-1	6	Ty					

Caso	1-1	4	Sx	Sy	Sz			
	1-1	5	Tz					
	1-1	6	Ty					

Caso	1-1	4	Sx	Sy	Sz			
	1-1	5	Tz					
	1-1	6	Ty					

Caso	1-1	4	Sx	Sy	Sz			
	1-1	5	Tz					
	1-1	6	Ty					

SOLLECI TAZI ONI								
Caso	1-1		MZ	MY	MT	N	TZ	TY
TENSI ONI	(Sz=		9913.0	7553.6	-293.1	4.3	121.1	-283.3
	0.00)		:					

Caso	1-1	4	Sx	Sy	Sz			
	1-1	5	Tz					
	1-1	6	Ty					

SOLLECI TAZI ONI								
Caso	1-1		MZ	MY	MT	N	TZ	TY
TENSI ONI	(Sz=		2877.8	3617.8	-293.1	4.3	195.9	-283.3
	0.00)		:					

Caso	1-1	4	Sx	Sy	Sz			
	1-1	5	Tz					
	1-1	6	Ty					

SOLLECI TAZI ONI								
Caso	1-1		MZ	MY	MT	N	TZ	TY
TENSI ONI	(Sz=		-4157.5	-2175.1	-293.1	4.3	270.7	-283.3
	0.00)		:					

Caso	1-1	2	Sx	Sy	Sz			
	1-1	3	Tz					
	1-1	4	Ty					

SOLLECI TAZI ONI								
Caso	1-1		MZ	MY	MT	N	TZ	TY
TENSI ONI	(Sz=		-11192.7	-9825.2	-293.1	4.3	345.5	-283.3
	0.00)		:					

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx Si	683. 1	0. 0	10. 0	683. 3
1- 1	si	7	Tz	28. 1	8. 6	0. 0	31. 8
1- 1	si	5	Ty	-654. 9	0. 0	17. 1	655. 6

----- PROGR. 99.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-14710. 3	-14346. 7	-293. 1	4. 3	382. 9	-283. 3

TENSI ONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	2	Sx Si	993. 3	0. 0	10. 0	993. 4
1- 1	si	7	Tz	36. 8	9. 6	0. 0	40. 4
1- 1	si	5	Ty	-956. 4	0. 0	17. 1	956. 8

----- VERI FI CA STABI LI TA` :

Z LO = 99. | Ro = 11. 55 | Im = 8. 6 | Ncr= 16808757. 3 | al fa(c )=0. 4900 | ki =1. 0000 |  
 Y Lc = 99. | Ro = 0. 43 | Im = 229. 4 | Ncr= 23637. 3 | al fa(c )=0. 4900 | ki =0. 0950 |  
 Caso 4-10 - Nodo 4 - Asse Y  
 Ned = -31. 8 | Mzeq = -2401. 5 | Myeq = -5470. 3 | Ss = -376. 8 ( 0. 111 )

RETTANGOLARE\_S007 ( 7 ) stato limite ultimo - ASTA ( 129- 120) 154  
 ----- PROGR. 0.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	25916. 0	-4097. 0	-419. 4	68. 1	-186. 0	-534. 9

TENSI ONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	3	Sx Si	339. 1	0. 0	14. 3	340. 0
1- 1	si	7	Tz	-63. 7	-4. 6	0. 0	64. 2
1- 1	si	5	Ty	-272. 0	0. 0	27. 7	276. 2

----- PROGR. 12.

Caso	MZ	MY	MT	N	TZ	TY
4- 7	12892. 1	-2758. 3	-48. 3	6. 0	-119. 4	-336. 6
1- 1	19275. 4	-2020. 4	-419. 4	68. 1	-148. 6	-534. 9

TENSI ONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 7	si	3	Sx Si	216. 2	0. 0	1. 7	216. 2
1- 1	si	7	Tz	-47. 1	-3. 7	0. 0	47. 5
1- 1	si	5	Ty	-133. 6	0. 0	27. 7	141. 9

----- PROGR. 25.

Caso	MZ	MY	MT	N	TZ	TY
4- 7	8721. 2	-1386. 8	-48. 3	6. 0	-101. 6	-336. 6
1- 1	12634. 8	-408. 2	-419. 4	68. 1	-111. 2	-534. 9

TENSI ONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 7	si	3	Sx Si	114. 4	0. 0	1. 7	114. 4
1- 1	si	7	Tz	-30. 5	-2. 8	0. 0	30. 8
1- 1	si	5	Ty	-26. 1	0. 0	27. 7	54. 6

----- PROGR. 37.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	5994. 2	739. 8	-419. 4	68. 1	-73. 8	-534. 9
4- 7	4560. 9	-236. 1	-48. 3	6. 0	-83. 8	-336. 6

TENSI ONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx Si	65. 4	0. 0	14. 3	70. 0
4- 7	si	7	Tz	-11. 3	-2. 1	0. 0	11. 9
1- 1	si	5	Ty	50. 5	0. 0	27. 7	69. 6

----- PROGR. 50.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-646. 4	1423. 5	-419. 4	68. 1	-36. 4	-534. 9
4- 7	257. 8	698. 8	-48. 3	6. 0	-66. 1	-336. 6

TENSI ONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	97. 7	0. 0	14. 3	100. 8
4- 7	si	7	Tz	-0. 5	-1. 7	0. 0	2. 9
1- 1	si	5	TySi	96. 0	0. 0	27. 7	107. 4

----- PROGR. 62.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-7287. 1	1642. 9	-419. 4	68. 1	1. 0	-534. 9
4- 7	-3956. 7	1405. 7	-48. 3	6. 0	-48. 3	-336. 6

TENSI ONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx Si	128. 9	0. 0	14. 3	131. 2
4- 7	si	7	Tz	10. 0	-1. 2	0. 0	10. 2
1- 1	si	5	Ty	110. 7	0. 0	27. 7	120. 6

----- PROGR. 74.

Caso	MZ	MY	MT	N	TZ	TY
4- 7	-8072. 6	1894. 7	-48. 3	6. 0	-30. 5	-336. 6
4-10	-3790. 8	-289. 4	-231. 9	39. 6	57. 0	-140. 0
1- 1	-13927. 7	1398. 0	-419. 4	68. 1	38. 4	-534. 9

TENSI ONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 7	si	1	Sx Si	146. 6	0. 0	1. 7	146. 6
4-10	si	7	Tz	10. 1	1. 4	0. 0	10. 4
1- 1	si	5	Ty	94. 3	0. 0	27. 7	105. 8

----- PROGR. 87.

Caso	MZ	MY	MT	N	TZ	TY
4- 7	-12234. 7	2163. 4	-48. 3	6. 0	-12. 8	-336. 6
1- 1	-20568. 3	688. 8	-419. 4	68. 1	75. 8	-534. 9

TENSI ONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 7	si	1	Sx Si	174. 9	0. 0	1. 7	174. 9
1- 1	si	7	Tz	52. 6	1. 9	0. 0	52. 7
1- 1	si	5	Ty	47. 1	0. 0	27. 7	67. 2

----- PROGR. 99.

Caso	MZ	MY	MT	N	TZ	TY
4- 7	-16406. 1	2211. 6	-48. 3	6. 0	5. 0	-336. 6
1- 1	-27208. 9	-484. 7	-419. 4	68. 1	113. 2	-534. 9

TENSI ONI (Sz= 0. 00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4- 7	si	1	Sx Si	188. 6	0. 0	1. 7	188. 6
1- 1	si	7	Tz	69. 2	2. 8	0. 0	69. 3
1- 1	si	5	Ty	-31. 2	0. 0	27. 7	57. 2

## VERIFICAZIONE STABILITÀ :

Z | LO = 99. | Ro = 11.55 | Im = 8.6 | Ncr = 16808757.3 | alfa(c) = 0.4900 | ki = 1.0000  
 Y | Lc = 99. | Ro = 0.43 | Im = 229.4 | Ncr = 23637.3 | alfa(c) = 0.4900 | ki = 0.0950  
 Caso 4- 5 - Nodo 1 - Asse Y  
 Ned = -4.0 | Mzeq = 12151.1 | Myeq = -3020.6 | Ss = -232.5 ( 0.069)

RETTANGOLARE\_S007 ( 7 ) stato limite ultimo - ASTA ( 130- 122 ) 155  
 0. PROGR.

## SOLLECITAZIONI :

Caso	Ve	No	MZ	MY	MT	N	TZ	TY
1- 1			31209.5	-9422.4	-391.9	-111.6	-290.5	-677.7
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	-708.0	0.0	13.4	708.4	
1- 1	si	7	Tz	-79.9	-7.3	0.0	80.9	
1- 1	si	5	Ty	-630.0	0.0	30.3	632.2	

12. PROGR.

## SOLLECITAZIONI :

Caso	Ve	No	MZ	MY	MT	N	TZ	TY
1- 1			22796.5	-6048.3	-391.9	-111.6	-253.1	-677.7
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	-462.1	0.0	13.4	462.7	
1- 1	si	7	Tz	-58.9	-6.3	0.0	59.9	
1- 1	si	5	Ty	-405.1	0.0	30.3	408.5	

25. PROGR.

## SOLLECITAZIONI :

Caso	Ve	No	MZ	MY	MT	N	TZ	TY
1- 1			14383.4	-3138.5	-391.9	-111.6	-215.7	-677.7
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	-247.1	0.0	13.4	248.1	
1- 1	si	7	Tz	-37.8	-5.4	0.0	39.0	
1- 1	si	5	Ty	-211.1	0.0	30.3	217.5	

37. PROGR.

## SOLLECITAZIONI :

Caso	Ve	No	MZ	MY	MT	N	TZ	TY
4- 7			4955.5	-959.1	-0.8	-68.1	-136.3	-463.2
1- 1			5970.4	-693.0	-391.9	-111.6	-178.3	-677.7
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
4- 7	si	1	Sx	-77.5	0.0	0.0	77.5	
1- 1	si	7	Tz	-16.8	-4.5	0.0	18.5	
1- 1	si	5	Ty	-48.1	0.0	30.3	71.2	

50. PROGR.

## SOLLECITAZIONI :

Caso	Ve	No	MZ	MY	MT	N	TZ	TY
1- 1			-2442.6	1288.2	-391.9	-111.6	-140.9	-677.7
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx	-93.8	0.0	13.4	96.7	
1- 1	si	7	Tz	4.2	-3.5	0.0	7.4	
1- 1	si	5	Ty	84.0	0.0	30.3	99.1	
1- 1	si	6	Si	-87.7	0.0	30.3	102.3	

62. PROGR.

## SOLLECITAZIONI :

Caso	Ve	No	MZ	MY	MT	N	TZ	TY
1- 1			-10855.7	2805.1	-391.9	-111.6	-103.5	-677.7
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx	-216.0	0.0	13.4	217.2	
1- 1	si	7	Tz	25.3	-2.6	0.0	25.7	
1- 1	si	5	Ty	185.1	0.0	30.3	192.5	

74. PROGR.

## SOLLECITAZIONI :

Caso	Ve	No	MZ	MY	MT	N	TZ	TY
1- 1			-19268.7	3857.7	-391.9	-111.6	-66.1	-677.7
4- 7			-12309.8	3124.7	-0.8	-68.1	-83.0	-463.2
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx	-307.2	0.0	13.4	308.1	
4- 7	si	7	Tz	29.6	-2.1	0.0	29.9	
1- 1	si	5	Ty	255.3	0.0	30.3	260.7	

87. PROGR.

## SOLLECITAZIONI :

Caso	Ve	No	MZ	MY	MT	N	TZ	TY
1- 1			-27681.7	4446.0	-391.9	-111.6	-28.7	-677.7
4- 7			-18057.8	4044.7	-0.8	-68.1	-65.2	-463.2
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx	-367.5	0.0	13.4	368.2	
4- 7	si	7	Tz	44.0	-1.6	0.0	44.1	
1- 1	si	5	Ty	294.5	0.0	30.3	299.2	

99. PROGR.

## SOLLECITAZIONI :

Caso	Ve	No	MZ	MY	MT	N	TZ	TY
1- 1			-36094.8	4570.0	-391.9	-111.6	8.7	-677.7
4-10			-7962.7	-515.1	-235.9	-29.2	58.6	-140.6
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx	-396.8	0.0	13.4	397.4	
4-10	si	7	Tz	19.4	1.5	0.0	19.6	
1- 1	si	5	Ty	302.8	0.0	30.3	307.3	

## VERIFICAZIONE STABILITÀ :

Z | LO = 99. | Ro = 11.55 | Im = 8.6 | Ncr = 16808757.3 | alfa(c) = 0.4900 | ki = 1.0000  
 Y | Lc = 99. | Ro = 0.43 | Im = 229.4 | Ncr = 23637.3 | alfa(c) = 0.4900 | ki = 0.0950  
 Caso 1- 1 - Nodo 4 - Asse Y  
 Ned = -111.6 | Mzeq = -27071.1 | Myeq = -7066.8 | Ss = -560.6 ( 0.166)

RETTANGOLARE\_S007 ( 7 ) stato limite ultimo - ASTA ( 131- 124 ) 156  
 0. PROGR.

## SOLLECITAZIONI :

Caso	Ve	No	MZ	MY	MT	N	TZ	TY
4- 5			0.0	0.0	0.0	-5.4	10.0	2.2
1- 1			0.0	0.0	0.0	0.0	13.0	0.0
5-12			0.0	0.0	0.0	2.0	10.0	7.7

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-5	si	4	Sx	-0.1	0.0	0.0	0.1
1-1	si	7	Tz	0.0	0.3	0.0	0.6
5-12	si	5	Ty	0.0	0.0	-0.2	0.3

-----  
PROGR. 2.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-29.7	0.0	0.0	18.6	0.0
5-12	14.5	-21.3	0.0	2.0	12.7	7.7

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	2.0	0.0	0.0	2.0
1-1	si	7	Tz	0.0	0.5	0.0	0.8
5-12	si	5	Ty	-1.4	0.0	-0.2	1.4

-----  
PROGR. 4.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-69.9	0.0	0.0	24.3	0.0
5-12	29.1	-47.6	0.0	2.0	15.4	7.7

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-4.7	0.0	0.0	4.7
1-1	si	7	Tz	0.0	0.6	0.0	1.1
5-12	si	5	Ty	-3.1	0.0	-0.2	3.2

-----  
PROGR. 6.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-120.8	0.0	0.0	29.9	0.0
5-12	43.6	-78.9	0.0	2.0	18.0	7.7

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-8.1	0.0	0.0	8.1
1-1	si	7	Tz	0.0	0.7	0.0	1.3
5-12	si	5	Ty	-5.2	0.0	-0.2	5.2

-----  
PROGR. 8.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-182.2	0.0	0.0	35.6	0.0
5-12	58.1	-115.2	0.0	2.0	20.7	7.7

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-12.1	0.0	0.0	12.1
1-1	si	7	Tz	0.0	0.9	0.0	1.5
5-12	si	5	Ty	-7.6	0.0	-0.2	7.7

-----  
PROGR. 9.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-254.3	0.0	0.0	41.2	0.0
5-12	72.6	-156.6	0.0	2.0	23.4	7.7

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-17.0	0.0	0.0	17.0
1-1	si	7	Tz	0.0	1.0	0.0	1.8
5-12	si	5	Ty	-10.4	0.0	-0.2	10.4

-----  
PROGR. 11.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-336.9	0.0	0.0	46.9	0.0
5-12	87.2	-203.1	0.0	2.0	26.1	7.7

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-22.5	0.0	0.0	22.5
1-1	si	7	Tz	0.0	1.2	0.0	2.0
5-12	si	5	Ty	-13.5	0.0	-0.2	13.5

-----  
PROGR. 13.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-430.1	0.0	0.0	52.5	0.0
5-12	101.7	-254.5	0.0	2.0	28.8	7.7

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-28.7	0.0	0.0	28.7
1-1	si	7	Tz	0.0	1.3	0.0	2.3
5-12	si	5	Ty	-16.9	0.0	-0.2	16.9

-----  
PROGR. 15.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-533.9	0.0	0.0	58.2	0.0
5-12	116.2	-311.0	0.0	2.0	31.5	7.7

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-35.6	0.0	0.0	35.6
1-1	si	7	Tz	0.0	1.5	0.0	2.5
5-12	si	5	Ty	-20.7	0.0	-0.2	20.7

VERI FICA STABI LI TA` :

Z | L0 = 15. | Ro = 11.55 | Im = 1.3 | Ncr=736930461.9 | al fa(c )=0.4900 | ki=1.0000  
 Y | Lc = 15. | Ro = 0.43 | Im = 34.6 | Ncr= 1036308.5 | al fa(c )=0.4900 | ki=0.8687  
 Caso 4- 1 - Nodo 4 - Asse Y  
 Ned = -5.4 | Mzeq = -71.5 | Myeq = -233.2 | Ss = -15.8 ( 0.005)

RETTANGOLARE\_S007 ( 7) stato li mi te ul ti mo - ASTA ( 132- 125) 157  
 -----  
 PROGR. 0.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5-11	0.0	0.0	0.0	-1.0	10.0	-1.3
1-1	0.0	0.0	0.0	0.0	13.0	0.0
4-13	0.0	0.0	0.0	-0.3	10.0	4.3

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-11	si	3	Sx	0.0	0.0	0.0	0.0
1-1	si	7	Tz	0.0	0.3	0.0	0.6
4-13	si	5	Ty	0.0	0.0	-0.1	0.2

-----  
PROGR. 2.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-29.7	0.0	0.0	18.6	0.0
4-13	8.0	-21.3	0.0	-0.3	12.7	4.3

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
------	----	----	----------	----	----	----	----

1-1	si	2	Sx	Si	2.0	0.0	0.0	2.0			
1-1	si	7	Tz		0.0	0.5	0.0	0.8			
4-13	si	5	Ty		-1.4	0.0	-0.1	1.4			
-----											
SOLLECI TAZI ONI :											
Caso			MZ		MY		MT		N	TZ	TY
1-1			0.0		-69.9		0.0		0.0	24.3	0.0
4-13			16.0		-47.6		0.0		-0.3	15.4	4.3
TENSI ONI (Sz= 0.00) :											
Caso	Ve	No	massi mi		Sx		Tz		Ty	Si	
1-1	si	2	Sx	Si	4.7		0.0		0.0	4.7	
1-1	si	7	Tz		0.0		0.6		0.0	1.1	
4-13	si	5	Ty		-3.2		0.0		-0.1	3.2	
-----											
SOLLECI TAZI ONI :											
Caso			MZ		MY		MT		N	TZ	TY
1-1			0.0		-120.8		0.0		0.0	29.9	0.0
4-13			24.0		-78.9		0.0		-0.3	18.0	4.3
TENSI ONI (Sz= 0.00) :											
Caso	Ve	No	massi mi		Sx		Tz		Ty	Si	
1-1	si	2	Sx	Si	8.1		0.0		0.0	8.1	
1-1	si	7	Tz		0.0		0.7		0.0	1.3	
4-13	si	5	Ty		-5.3		0.0		-0.1	5.3	
-----											
SOLLECI TAZI ONI :											
Caso			MZ		MY		MT		N	TZ	TY
1-1			0.0		-182.2		0.0		0.0	35.6	0.0
4-13			32.0		-115.2		0.0		-0.3	20.7	4.3
TENSI ONI (Sz= 0.00) :											
Caso	Ve	No	massi mi		Sx		Tz		Ty	Si	
1-1	si	2	Sx	Si	12.1		0.0		0.0	12.1	
1-1	si	7	Tz		0.0		0.9		0.0	1.5	
4-13	si	5	Ty		-7.7		0.0		-0.1	7.7	
-----											
SOLLECI TAZI ONI :											
Caso			MZ		MY		MT		N	TZ	TY
1-1			0.0		-254.3		0.0		0.0	41.2	0.0
4-13			40.0		-156.6		0.0		-0.3	23.4	4.3
TENSI ONI (Sz= 0.00) :											
Caso	Ve	No	massi mi		Sx		Tz		Ty	Si	
1-1	si	2	Sx	Si	17.0		0.0		0.0	17.0	
1-1	si	7	Tz		0.0		1.0		0.0	1.8	
4-13	si	5	Ty		-10.4		0.0		-0.1	10.4	
-----											
SOLLECI TAZI ONI :											
Caso			MZ		MY		MT		N	TZ	TY
1-1			0.0		-336.9		0.0		0.0	46.9	0.0
4-13			48.0		-203.1		0.0		-0.3	26.1	4.3
TENSI ONI (Sz= 0.00) :											
Caso	Ve	No	massi mi		Sx		Tz		Ty	Si	
1-1	si	2	Sx	Si	22.5		0.0		0.0	22.5	
1-1	si	7	Tz		0.0		1.2		0.0	2.0	
4-13	si	5	Ty		-13.5		0.0		-0.1	13.5	
-----											
SOLLECI TAZI ONI :											
Caso			MZ		MY		MT		N	TZ	TY
1-1			0.0		-430.1		0.0		0.0	52.5	0.0
4-13			56.0		-254.5		0.0		-0.3	28.8	4.3
TENSI ONI (Sz= 0.00) :											
Caso	Ve	No	massi mi		Sx		Tz		Ty	Si	
1-1	si	2	Sx	Si	28.7		0.0		0.0	28.7	
1-1	si	7	Tz		0.0		1.3		0.0	2.3	
4-13	si	5	Ty		-17.0		0.0		-0.1	17.0	
-----											
SOLLECI TAZI ONI :											
Caso			MZ		MY		MT		N	TZ	TY
1-1			0.0		-533.9		0.0		0.0	58.2	0.0
4-13			64.0		-311.0		0.0		-0.3	31.5	4.3
TENSI ONI (Sz= 0.00) :											
Caso	Ve	No	massi mi		Sx		Tz		Ty	Si	
1-1	si	2	Sx	Si	35.6		0.0		0.0	35.6	
1-1	si	7	Tz		0.0		1.5		0.0	2.5	
4-13	si	5	Ty		-20.7		0.0		-0.1	20.7	

VERI F I CA STABI LI TA` :

Z | L0 = 15. | Ro = 11.55 | Im = 1.3 | Ncr=736930461.9 | al fa(c) =0.4900 | ki =1.0000  
Y | Lc = 15. | Ro = 0.43 | Im = 34.6 | Ncr= 1036308.5 | al fa(c) =0.4900 | ki =0.8687  
Caso 4-11 - Nodo 4 - Asse Y  
Ned = -0.3 | Mzeq = -48.0 | Myeq = -233.2 | Ss = -15.7 ( 0.005)

RETTANGOLARE\_S007 ( 7 ) stato limite ultimo - ASTA ( 133- 126 ) 158  
-----  
PROGR. 0.

SOLLECI TAZI ONI :											
Caso			MZ		MY		MT		N	TZ	TY
4-4			0.0		0.0		0.0		-36.3	10.0	3.9
1-1			0.0		0.0		0.0		0.0	13.0	0.0
5-3			0.0		0.0		0.0		20.0	10.0	-30.4
TENSI ONI (Sz= 0.00) :											
Caso	Ve	No	massi mi		Sx		Tz		Ty	Si	
4-4	si	3	Sx	Si	-0.6		0.0		0.0	0.6	
1-1	si	7	Tz		0.0		0.3		0.0	0.6	
5-3	si	5	Ty		0.3		0.0		0.8	1.4	
5-3	si	6		Si	0.3		0.0		0.8	1.4	
-----											
SOLLECI TAZI ONI :											
Caso			MZ		MY		MT		N	TZ	TY
4-9			-28.6		-21.3		0.0		36.3	12.7	-15.2
1-1			0.0		-29.7		0.0		0.0	18.6	0.0
5-3			-57.1		-21.3		0.0		20.0	12.7	-30.4
TENSI ONI (Sz= 0.00) :											
Caso	Ve	No	massi mi		Sx		Tz		Ty	Si	
4-9	si	2	Sx	Si	2.1		0.0		0.0	2.1	
1-1	si	7	Tz		0.0		0.5		0.0	0.8	
5-3	si	5	Ty		-1.1		0.0		0.8	1.7	
5-3	si	6		Si	1.8		0.0		0.8	2.2	
-----											
SOLLECI TAZI ONI :											
Caso			MZ		MY		MT		N	TZ	TY
1-1			0.0		-69.9		0.0		0.0	24.3	0.0
5-3			-114.1		-47.6		0.0		20.0	15.4	-30.4
TENSI ONI (Sz= 0.00) :											

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	4.7	0.0	0.0	4.7	
1-1	si	7	Tz	0.0	0.6	0.0	1.1	
5-3	si	5	Ty	-2.8	0.0	0.8	3.1	
----- PROGR. 6.								
SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			0.0	-120.8	0.0	0.0	29.9	0.0
5-3			-171.2	-78.9	0.0	20.0	18.0	-30.4
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	8.1	0.0	0.0	8.1	
1-1	si	7	Tz	0.0	0.7	0.0	1.3	
5-3	si	5	Ty	-4.9	0.0	0.8	5.1	
----- PROGR. 8.								
SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			0.0	-182.2	0.0	0.0	35.6	0.0
5-3			-228.2	-115.2	0.0	20.0	20.7	-30.4
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	12.1	0.0	0.0	12.1	
1-1	si	7	Tz	0.0	0.9	0.0	1.5	
5-3	si	5	Ty	-7.4	0.0	0.8	7.5	
----- PROGR. 9.								
SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			0.0	-254.3	0.0	0.0	41.2	0.0
5-3			-285.3	-156.6	0.0	20.0	23.4	-30.4
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	17.0	0.0	0.0	17.0	
1-1	si	7	Tz	0.0	1.0	0.0	1.8	
5-3	si	5	Ty	-10.1	0.0	0.8	10.2	
----- PROGR. 11.								
SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			0.0	-336.9	0.0	0.0	46.9	0.0
5-3			-342.4	-203.1	0.0	20.0	26.1	-30.4
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	22.5	0.0	0.0	22.5	
1-1	si	7	Tz	0.0	1.2	0.0	2.0	
5-3	si	5	Ty	-13.2	0.0	0.8	13.3	
----- PROGR. 13.								
SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			0.0	-430.1	0.0	0.0	52.5	0.0
5-3			-399.4	-254.5	0.0	20.0	28.8	-30.4
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	28.7	0.0	0.0	28.7	
1-1	si	7	Tz	0.0	1.3	0.0	2.3	
5-3	si	5	Ty	-16.6	0.0	0.8	16.7	
----- PROGR. 15.								
SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			0.0	-533.9	0.0	0.0	58.2	0.0
5-3			-456.5	-311.0	0.0	20.0	31.5	-30.4
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	35.6	0.0	0.0	35.6	
1-1	si	7	Tz	0.0	1.5	0.0	2.5	
5-3	si	5	Ty	-20.4	0.0	0.8	20.4	
----- PROGR. 15.								
VERIFI CA STABI LI TA` :								
Z	LO = 15.	Ro = 11.55	Im = 1.3	Ncr=736930461.9	al fa(c) = 0.4900	ki = 1.0000		
Y	Lc = 15.	Ro = 0.43	Im = 34.6	Ncr= 1036308.5	al fa(c) = 0.4900	ki = 0.8687		
Caso 5-14 - Nodo 1 - Asse Y								
Ned = -20.0   Mzeq = 342.4   Myeq = -233.2   Ss = -16.8 ( 0.005)								
RETTANGOLARE_S007 ( 7) stato limite ultimo - ASTA ( 134- 127) 159								
----- PROGR. 0.								
SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
5-2			0.0	0.0	0.0	-0.3	10.0	1.7
1-1			0.0	0.0	0.0	0.0	13.0	0.0
4-14			0.0	0.0	0.0	0.1	10.0	5.6
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-2	si	1	Sx	0.0	0.0	0.0	0.0	
1-1	si	7	Tz	0.0	0.3	0.0	0.6	
4-14	si	5	Ty	0.0	0.0	-0.1	0.2	
----- PROGR. 2.								
SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			0.0	-29.7	0.0	0.0	18.6	0.0
4-14			10.6	-21.3	0.0	0.1	12.7	5.6
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	-2.0	0.0	0.0	2.0	
1-1	si	7	Tz	0.0	0.5	0.0	0.8	
4-14	si	5	Ty	-1.4	0.0	-0.1	1.4	
----- PROGR. 4.								
SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			0.0	-69.9	0.0	0.0	24.3	0.0
4-14			21.2	-47.6	0.0	0.1	15.4	5.6
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	-4.7	0.0	0.0	4.7	
1-1	si	7	Tz	0.0	0.6	0.0	1.1	
4-14	si	5	Ty	-3.2	0.0	-0.1	3.2	
----- PROGR. 6.								
SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			0.0	-120.8	0.0	0.0	29.9	0.0
4-14			31.8	-78.9	0.0	0.1	18.0	5.6
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	-8.1	0.0	0.0	8.1	

1-1	si	7	Tz	0.0	0.7	0.0	1.3		
4-14	si	5	Ty	-5.3	0.0	-0.1	5.3		
----- PROGR. 8.									
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1-1			0.0	-182.2	0.0	0.0	35.6	0.0	
4-14			42.3	-115.2	0.0	0.1	20.7	5.6	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	Si	-12.1	0.0	0.0	12.1	
1-1	si	7	Tz	Si	0.0	0.9	0.0	1.5	
4-14	si	5	Tz	Ty	-7.7	0.0	-0.1	7.7	
----- PROGR. 9.									
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1-1			0.0	-254.3	0.0	0.0	41.2	0.0	
4-14			52.9	-156.6	0.0	0.1	23.4	5.6	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	Si	-17.0	0.0	0.0	17.0	
1-1	si	7	Tz	Si	0.0	1.0	0.0	1.8	
4-14	si	5	Tz	Ty	-10.4	0.0	-0.1	10.4	
----- PROGR. 11.									
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1-1			0.0	-336.9	0.0	0.0	46.9	0.0	
4-14			63.5	-203.1	0.0	0.1	26.1	5.6	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	Si	-22.5	0.0	0.0	22.5	
1-1	si	7	Tz	Si	0.0	1.2	0.0	2.0	
4-14	si	5	Tz	Ty	-13.5	0.0	-0.1	13.5	
----- PROGR. 13.									
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1-1			0.0	-430.1	0.0	0.0	52.5	0.0	
4-14			74.1	-254.5	0.0	0.1	28.8	5.6	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	Si	-28.7	0.0	0.0	28.7	
1-1	si	7	Tz	Si	0.0	1.3	0.0	2.3	
4-14	si	5	Tz	Ty	-17.0	0.0	-0.1	17.0	
----- PROGR. 15.									
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1-1			0.0	-533.9	0.0	0.0	58.2	0.0	
4-14			84.7	-311.0	0.0	0.1	31.5	5.6	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	Si	-35.6	0.0	0.0	35.6	
1-1	si	7	Tz	Si	0.0	1.5	0.0	2.5	
4-14	si	5	Tz	Ty	-20.7	0.0	-0.1	20.7	

## VERIFICA STABILITA` :

Z | LO = 15. | Ro = 11.55 | Im = 1.3 | Ncr=736930461.9 | al fa(c )=0.4900 | ki=1.0000  
 Y | Lc = 15. | Ro = 0.43 | Im = 34.6 | Ncr= 1036308.5 | al fa(c )=0.4900 | ki=0.8687  
 Caso 4-5 - Nodo 1 - Asse Y  
 Ned = -0.1 | Mzeq = 63.5 | Myeq = -233.2 | Ss = -15.7 ( 0.005)

RETTANGOLARE\_S007 ( 7 ) stato limite ultimo - ASTA ( 135- 128) 160  
 ----- PROGR. 0.

SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
5-15			0.0	0.0	0.0	1.2	10.0	-1.7	
1-1			0.0	0.0	0.0	0.0	13.0	0.0	
4-12			0.0	0.0	0.0	0.4	10.0	-5.6	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si	
5-15	si	1	Sx	Si	0.0	0.0	0.0	0.0	
1-1	si	7	Tz	Si	0.0	0.3	0.0	0.6	
4-12	si	5	Tz	Ty	0.0	0.0	0.1	0.2	
----- PROGR. 2.									
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1-1			0.0	-29.7	0.0	0.0	18.6	0.0	
4-12			-10.6	-21.3	0.0	0.4	12.7	-5.6	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	Si	2.0	0.0	0.0	2.0	
1-1	si	7	Tz	Si	0.0	0.5	0.0	0.8	
4-12	si	5	Tz	Ty	-1.4	0.0	0.1	1.4	
----- PROGR. 4.									
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1-1			0.0	-69.9	0.0	0.0	24.3	0.0	
4-12			-21.2	-47.6	0.0	0.4	15.4	-5.6	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	Si	4.7	0.0	0.0	4.7	
1-1	si	7	Tz	Si	0.0	0.6	0.0	1.1	
4-12	si	5	Tz	Ty	-3.2	0.0	0.1	3.2	
----- PROGR. 6.									
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1-1			0.0	-120.8	0.0	0.0	29.9	0.0	
4-12			-31.8	-78.9	0.0	0.4	18.0	-5.6	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	Si	8.1	0.0	0.0	8.1	
1-1	si	7	Tz	Si	0.0	0.7	0.0	1.3	
4-12	si	5	Tz	Ty	-5.3	0.0	0.1	5.3	
----- PROGR. 8.									
SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1-1			0.0	-182.2	0.0	0.0	35.6	0.0	
4-12			-42.3	-115.2	0.0	0.4	20.7	-5.6	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	Si	12.1	0.0	0.0	12.1	
1-1	si	7	Tz	Si	0.0	0.9	0.0	1.5	
4-12	si	5	Tz	Ty	-7.7	0.0	0.1	7.7	



----- PROGR. 9.

SOLLECI TAZI ONI		MZ	MY	MT	N	TZ	TY
Caso							
1- 1		0.0	-254.3	0.0	0.0	41.2	0.0
4-12		-52.9	-156.6	0.0	0.4	23.4	-5.6

TENSIONI (Sz= 0.00)		Sx	Tz	Ty	Si
Caso	Ve No massi mi				
1- 1	si 2 Sx Si	17.0	0.0	0.0	17.0
1- 1	si 7 Tz Si	0.0	1.0	0.0	1.8
4-12	si 5 Ty Si	-10.4	0.0	0.1	10.4

----- PROGR. 11.

SOLLECI TAZI ONI		MZ	MY	MT	N	TZ	TY
Caso							
1- 1		0.0	-336.9	0.0	0.0	46.9	0.0
4-12		-63.5	-203.1	0.0	0.4	26.1	-5.6

TENSIONI (Sz= 0.00)		Sx	Tz	Ty	Si
Caso	Ve No massi mi				
1- 1	si 2 Sx Si	22.5	0.0	0.0	22.5
1- 1	si 7 Tz Si	0.0	1.2	0.0	2.0
4-12	si 5 Ty Si	-13.5	0.0	0.1	13.5

----- PROGR. 13.

SOLLECI TAZI ONI		MZ	MY	MT	N	TZ	TY
Caso							
1- 1		0.0	-430.1	0.0	0.0	52.5	0.0
4-12		-74.1	-254.5	0.0	0.4	28.8	-5.6

TENSIONI (Sz= 0.00)		Sx	Tz	Ty	Si
Caso	Ve No massi mi				
1- 1	si 2 Sx Si	28.7	0.0	0.0	28.7
1- 1	si 7 Tz Si	0.0	1.3	0.0	2.3
4-12	si 5 Ty Si	-17.0	0.0	0.1	17.0

----- PROGR. 15.

SOLLECI TAZI ONI		MZ	MY	MT	N	TZ	TY
Caso							
1- 1		0.0	-533.9	0.0	0.0	58.2	0.0
4-12		-84.7	-311.0	0.0	0.4	31.5	-5.6

TENSIONI (Sz= 0.00)		Sx	Tz	Ty	Si
Caso	Ve No massi mi				
1- 1	si 2 Sx Si	35.6	0.0	0.0	35.6
1- 1	si 7 Tz Si	0.0	1.5	0.0	2.5
4-12	si 5 Ty Si	-20.7	0.0	0.1	20.7

## VERIFI CA STABI LI TA` :

Z | LO = 15. | Ro = 11.55 | Im = 1.3 | Ncr=736930461.9 | al fa(c )=0.4900 | ki=1.0000  
 Y | Lc = 15. | Ro = 0.43 | Im = 34.6 | Ncr= 1036308.5 | al fa(c )=0.4900 | ki=0.8687  
 Caso 4- 3 - Nodo 4 - Asse Y  
 Ned = -0.4 | Mzeq = -63.5 | Myeq = -233.2 | Ss = -15.7 ( 0.005)

RETTANGOLARE\_S007 ( 7) stato limite ultimo - ASTA ( 136- 129) 161  
 ----- PROGR. 0.

SOLLECI TAZI ONI		MZ	MY	MT	N	TZ	TY
Caso							
4-11		0.0	0.0	0.0	61.0	10.0	6.5
1- 1		0.0	0.0	0.0	0.0	13.0	0.0
5- 3		0.0	0.0	0.0	-0.3	10.0	-55.7
5- 5		0.0	0.0	0.0	-34.9	10.0	-54.3

TENSIONI (Sz= 0.00)		Sx	Tz	Ty	Si
Caso	Ve No massi mi				
4-11	si 2 Sx Si	1.0	0.0	0.0	1.0
1- 1	si 7 Tz Si	0.0	0.3	0.0	0.6
5- 3	si 5 Ty Si	0.0	0.0	1.4	2.4
5- 5	si 5 Ty Si	-0.6	0.0	1.4	2.4

----- PROGR. 2.

SOLLECI TAZI ONI		MZ	MY	MT	N	TZ	TY
Caso							
4- 2		-38.5	-21.3	0.0	-61.0	12.7	-20.5
1- 1		0.0	-29.7	0.0	0.0	18.6	0.0
5- 3		-104.4	-21.3	0.0	-0.3	12.7	-55.7
5- 5		-101.7	-21.3	0.0	-34.9	12.7	-54.3

TENSIONI (Sz= 0.00)		Sx	Tz	Ty	Si
Caso	Ve No massi mi				
4- 2	si 4 Sx Si	-2.5	0.0	0.0	2.5
1- 1	si 7 Tz Si	0.0	0.5	0.0	0.8
5- 3	si 5 Ty Si	-1.4	0.0	1.4	2.8
5- 5	si 5 Ty Si	-2.0	0.0	1.4	3.1

----- PROGR. 4.

SOLLECI TAZI ONI		MZ	MY	MT	N	TZ	TY
Caso							
1- 1		0.0	-69.9	0.0	0.0	24.3	0.0
5- 3		-208.8	-47.6	0.0	-0.3	15.4	-55.7

TENSIONI (Sz= 0.00)		Sx	Tz	Ty	Si
Caso	Ve No massi mi				
1- 1	si 2 Sx Si	4.7	0.0	0.0	4.7
1- 1	si 7 Tz Si	0.0	0.6	0.0	1.1
5- 3	si 5 Ty Si	-3.2	0.0	1.4	4.0

----- PROGR. 6.

SOLLECI TAZI ONI		MZ	MY	MT	N	TZ	TY
Caso							
1- 1		0.0	-120.8	0.0	0.0	29.9	0.0
5- 3		-313.2	-78.9	0.0	-0.3	18.0	-55.7

TENSIONI (Sz= 0.00)		Sx	Tz	Ty	Si
Caso	Ve No massi mi				
1- 1	si 2 Sx Si	8.1	0.0	0.0	8.1
1- 1	si 7 Tz Si	0.0	0.7	0.0	1.3
5- 3	si 5 Ty Si	-5.3	0.0	1.4	5.8

----- PROGR. 8.

SOLLECI TAZI ONI		MZ	MY	MT	N	TZ	TY
Caso							
1- 1		0.0	-182.2	0.0	0.0	35.6	0.0
5- 3		-417.6	-115.2	0.0	-0.3	20.7	-55.7

TENSIONI (Sz= 0.00)		Sx	Tz	Ty	Si
Caso	Ve No massi mi				
1- 1	si 2 Sx Si	12.1	0.0	0.0	12.1
1- 1	si 7 Tz Si	0.0	0.9	0.0	1.5
5- 3	si 5 Ty Si	-7.7	0.0	1.4	8.1

----- PROGR. 9.

SOLLECI TAZI ONI		MZ	MY	MT	N	TZ	TY
Caso							
1- 1		0.0	-254.3	0.0	0.0	41.2	0.0
5- 3		-522.0	-156.6	0.0	-0.3	23.4	-55.7

1- 1	si	2	Sx	Si	17.0	0.0	0.0	17.0
1- 1	si	7	Tz		0.0	1.0	0.0	1.8
5- 3	si	5	Ty		-10.4	0.0	1.4	10.7

----- PROGR. 11.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			0.0	-336.9	0.0	0.0	46.9	0.0
5- 3			-626.4	-203.1	0.0	-0.3	26.1	-55.7

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi	Sx	Tz	Ty	Si	
1- 1	si	2	Sx	Si	22.5	0.0	0.0	22.5
1- 1	si	7	Tz		0.0	1.2	0.0	2.0
5- 3	si	5	Ty		-13.5	0.0	1.4	13.8

----- PROGR. 13.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			0.0	-430.1	0.0	0.0	52.5	0.0
5- 3			-730.8	-254.5	0.0	-0.3	28.8	-55.7

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi	Sx	Tz	Ty	Si	
1- 1	si	2	Sx	Si	28.7	0.0	0.0	28.7
1- 1	si	7	Tz		0.0	1.3	0.0	2.3
5- 3	si	5	Ty		-17.0	0.0	1.4	17.1

----- PROGR. 15.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			0.0	-533.9	0.0	0.0	58.2	0.0
5- 3			-835.2	-311.0	0.0	-0.3	31.5	-55.7

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi	Sx	Tz	Ty	Si	
1- 1	si	2	Sx	Si	35.6	0.0	0.0	35.6
1- 1	si	7	Tz		0.0	1.5	0.0	2.5
5- 3	si	5	Ty		-20.7	0.0	1.4	20.9

VERIFI CA STABI LI TA` :

Z | LO = 15. | Ro = 11.55 | lm = 1.3 | Ncr=736930461.9 | al fa(c )=0.4900 | ki=1.0000 |  
 Y | Lc = 15. | Ro = 0.43 | lm = 34.6 | Ncr= 1036308.5 | al fa(c )=0.4900 | ki=0.8687 |

Caso 5- 5 - Nodo 4 - Asse Y

Ned = -34.9 | Mzeq = -610.4 | Myeq = -233.2 | Ss = -17.7 ( 0.005)

RETTANGOLARE\_S007 ( 7) stato limite ultimo - ASTA ( 137- 130) 162 0.  
 ----- PROGR.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
4- 2			0.0	0.0	0.0	-27.0	10.0	-14.8
1- 1			0.0	0.0	0.0	0.0	13.0	0.0
5-10			0.0	0.0	0.0	4.6	10.0	32.2
5-12			0.0	0.0	0.0	18.7	10.0	31.5

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi	Sx	Tz	Ty	Si	
4- 2	si	4	Sx	Si	-0.5	0.0	0.0	0.5
1- 1	si	7	Tz		0.0	0.3	0.0	0.6
5-10	si	5	Ty		0.1	0.0	-0.8	1.4
5-12	si	5	Ty		0.3	0.0	-0.8	1.4

----- PROGR. 2.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			0.0	-29.7	0.0	0.0	18.6	0.0
5-10			60.5	-21.3	0.0	4.6	12.7	32.2
5-12			59.1	-21.3	0.0	18.7	12.7	31.5

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi	Sx	Tz	Ty	Si	
1- 1	si	2	Sx	Si	2.0	0.0	0.0	2.0
1- 1	si	7	Tz		0.0	0.5	0.0	0.8
5-10	si	5	Ty		-1.3	0.0	-0.8	1.9
5-12	si	6	Ty		1.7	0.0	-0.8	2.2

----- PROGR. 4.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			0.0	-69.9	0.0	0.0	24.3	0.0
5-10			120.9	-47.6	0.0	4.6	15.4	32.2

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	Si	-4.7	0.0	0.0	4.7
1- 1	si	7	Tz		0.0	0.6	0.0	1.1
5-10	si	5	Ty		-3.1	0.0	-0.8	3.4

----- PROGR. 6.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			0.0	-120.8	0.0	0.0	29.9	0.0
5-10			181.4	-78.9	0.0	4.6	18.0	32.2

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	Si	-8.1	0.0	0.0	8.1
1- 1	si	7	Tz		0.0	0.7	0.0	1.3
5-10	si	5	Ty		-5.2	0.0	-0.8	5.4

----- PROGR. 8.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			0.0	-182.2	0.0	0.0	35.6	0.0
5-10			241.8	-115.2	0.0	4.6	20.7	32.2

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	Si	-12.1	0.0	0.0	12.1
1- 1	si	7	Tz		0.0	0.9	0.0	1.5
5-10	si	5	Ty		-7.6	0.0	-0.8	7.7

----- PROGR. 9.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			0.0	-254.3	0.0	0.0	41.2	0.0
5-10			302.3	-156.6	0.0	4.6	23.4	32.2

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	Si	-17.0	0.0	0.0	17.0
1- 1	si	7	Tz		0.0	1.0	0.0	1.8
5-10	si	5	Ty		-10.4	0.0	-0.8	10.5

----- PROGR. 11.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			0.0	-336.9	0.0	0.0	46.9	0.0
5-10			362.7	-203.1	0.0	4.6	26.1	32.2

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-22.5	0.0	0.0	22.5
1-1	si	7	Tz	0.0	1.2	0.0	2.0
5-10	si	5	Ty	-13.5	0.0	-0.8	13.5

-----  
PROGR. 13.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-430.1	0.0	0.0	52.5	0.0
5-10	423.2	-254.5	0.0	4.6	28.8	32.2

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-28.7	0.0	0.0	28.7
1-1	si	7	Tz	0.0	1.3	0.0	2.3
5-10	si	5	Ty	-16.9	0.0	-0.8	16.9

-----  
PROGR. 15.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-533.9	0.0	0.0	58.2	0.0
5-10	483.6	-311.0	0.0	4.6	31.5	32.2

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-35.6	0.0	0.0	35.6
1-1	si	7	Tz	0.0	1.5	0.0	2.5
5-10	si	5	Ty	-20.7	0.0	-0.8	20.7

VERI FI CA STABI LI TA` :

Z | LO = 15. | Ro = 11.55 | Im = 1.3 | Ncr=736930461.9 | al fa(c )=0.4900 | ki=1.0000 |  
 Y | Lc = 15. | Ro = 0.43 | Im = 34.6 | Ncr= 1036308.5 | al fa(c )=0.4900 | ki=0.8687 |  
 Caso 5- 5 - Nodo 4 - Asse Y  
 Ned = -18.7 | Mzeq = -354.7 | Myeq = -233.2 | Ss = -16.8 ( 0.005 )

RETTANGOLARE\_S007 ( 7 ) stato limite ultimo - ASTA ( 267- 266 ) 217  
 -----  
 PROGR. 0.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-1	0.0	0.0	0.0	-7.0	10.0	0.0
1-1	0.0	0.0	0.0	0.0	13.0	0.0
5-4	0.0	0.0	0.0	2.1	10.0	0.0

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
4-1	si	1	Sx	-0.1	0.0	0.0	0.1
1-1	si	7	Tz	0.0	0.3	0.0	0.6
5-4	si	5	Ty	0.0	0.0	0.0	0.0

-----  
PROGR. 2.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-29.7	0.0	0.0	18.6	0.0
5-4	-0.1	-21.3	0.0	2.1	12.7	0.0

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-2.0	0.0	0.0	2.0
1-1	si	7	Tz	0.0	0.5	0.0	0.8
5-4	si	5	Ty	-1.4	0.0	0.0	1.4

-----  
PROGR. 4.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-69.9	0.0	0.0	24.3	0.0
5-4	-0.1	-47.6	0.0	2.1	15.4	0.0

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-4.7	0.0	0.0	4.7
1-1	si	7	Tz	0.0	0.6	0.0	1.1
5-4	si	5	Ty	-3.1	0.0	0.0	3.1

-----  
PROGR. 6.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-120.8	0.0	0.0	29.9	0.0
5-4	-0.2	-78.9	0.0	2.1	18.0	0.0

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-8.1	0.0	0.0	8.1
1-1	si	7	Tz	0.0	0.7	0.0	1.3
5-4	si	5	Ty	-5.2	0.0	0.0	5.2

-----  
PROGR. 8.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-182.2	0.0	0.0	35.6	0.0
5-4	-0.3	-115.2	0.0	2.1	20.7	0.0

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-12.1	0.0	0.0	12.1
1-1	si	7	Tz	0.0	0.9	0.0	1.5
5-4	si	5	Ty	-7.6	0.0	0.0	7.6

-----  
PROGR. 9.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-254.3	0.0	0.0	41.2	0.0
5-4	-0.4	-156.6	0.0	2.1	23.4	0.0

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-17.0	0.0	0.0	17.0
1-1	si	7	Tz	0.0	1.0	0.0	1.8
5-4	si	5	Ty	-10.4	0.0	0.0	10.4

-----  
PROGR. 11.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-336.9	0.0	0.0	46.9	0.0
5-4	-0.4	-203.1	0.0	2.1	26.1	0.0

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-22.5	0.0	0.0	22.5
1-1	si	7	Tz	0.0	1.2	0.0	2.0
5-4	si	5	Ty	-13.5	0.0	0.0	13.5

-----  
PROGR. 13.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-430.1	0.0	0.0	52.5	0.0
5-4	-0.5	-254.5	0.0	2.1	28.8	0.0

1- 1	si	1	Sx	Si	-28.7	0.0	0.0	28.7
1- 1	si	7	Tz		0.0	1.3	0.0	2.3
5- 4	si	5	Ty		-16.9	0.0	0.0	16.9

----- PROGR. 15.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-533.9	0.0	0.0	58.2	0.0
5- 4	-0.6	-311.0	0.0	2.1	31.5	0.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	Si	-35.6	0.0	0.0	35.6
1- 1	si	7	Tz		0.0	1.5	0.0	2.5
5- 4	si	5	Ty		-20.7	0.0	0.0	20.7

## VERI FI CA STABI LI TA` :

Z	LO = 15.	Ro = 11.55	Im = 1.3	Ncr=736930461.9	al fa(c )=0.4900	ki=1.0000
Y	Lc = 15.	Ro = 0.43	Im = 34.6	Ncr= 1036308.5	al fa(c )=0.4900	ki=0.8687
Caso	4- 2 -	Nodo 1 -	Asse Y			
Ned	= -7.0	Mzeq =	0.1	Myeq =	-233.2	Ss = -15.7 ( 0.005)

RETTANGOLARE\_S007 ( 7) stato limite ultimo - ASTA ( 266- 268) 218 0.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5- 7	14551.0	-3788.8	10.2	-327.9	-123.9	-226.3
1- 1	-13941.6	-3199.4	-282.4	-484.0	-172.1	324.8
5-10	-25252.3	1055.7	-292.2	-121.8	-34.3	487.6

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5- 7	si	1	Sx	Si	-294.4	0.0	0.3	294.4
1- 1	si	7	Tz		26.8	-4.3	0.0	27.8
5-10	si	5	Ty		68.4	0.0	-22.2	78.4

----- PROGR. 14.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5- 7	11489.2	-2240.6	10.2	-327.9	-104.5	-226.3
1- 1	-9536.8	-1141.9	-282.4	-484.0	-131.3	324.8
5-10	-18646.0	1389.6	-292.2	-121.8	-14.9	487.6

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5- 7	si	1	Sx	Si	-183.6	0.0	0.3	183.6
1- 1	si	7	Tz		15.8	-3.3	0.0	16.8
5-10	si	5	Ty		90.6	0.0	-22.2	98.4

----- PROGR. 27.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5-10	-12043.2	1460.2	-292.2	-121.8	4.5	487.6
1- 1	-5132.1	361.4	-282.4	-484.0	-90.4	324.8

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-10	si	3	Sx	Si	-129.5	0.0	10.0	130.6
1- 1	si	7	Tz		4.8	-2.3	0.0	6.2
5-10	si	5	Ty		95.3	0.0	-22.2	102.8

----- PROGR. 41.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5-10	-5445.8	1267.9	-292.2	-121.8	23.9	487.6
5- 7	5378.1	65.6	10.2	-327.9	-65.6	-226.3

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-10	si	3	Sx	Si	-100.2	0.0	10.0	101.7
5- 7	si	7	Tz		-18.9	-1.6	0.0	19.1
5-10	si	5	Ty		82.5	0.0	-22.2	91.0

----- PROGR. 54.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	3677.5	1705.8	-282.4	-484.0	-8.7	324.8
5- 7	2346.3	818.7	10.2	-327.9	-46.2	-226.3
5-10	1130.5	817.5	-292.2	-121.8	43.3	487.6

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	2	Sx	Si	-131.0	0.0	9.7	132.0
5- 7	si	7	Tz		-11.3	-1.2	0.0	11.5
5-10	si	5	Ty		52.5	0.0	-22.2	65.0

----- PROGR. 68.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	8082.2	1546.9	-282.4	-484.0	32.1	324.8
5-10	7738.3	88.9	-292.2	-121.8	62.7	487.6

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1- 1	si	2	Sx	Si	-131.4	0.0	9.7	132.5
5-10	si	7	Tz		-21.4	1.6	0.0	21.5
5-10	si	5	Ty		3.9	0.0	-22.2	38.6

----- PROGR. 81.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5- 7	-3755.2	1554.1	10.2	-327.9	-7.4	-226.3
5-10	14321.0	-891.9	-292.2	-121.8	82.1	487.6

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5- 7	si	3	Sx	Si	-118.5	0.0	0.3	118.5
5-10	si	7	Tz		-37.8	2.1	0.0	38.0
5-10	si	5	Ty		-61.5	0.0	-22.2	72.5

----- PROGR. 95.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5-10	20902.0	-2137.1	-292.2	-121.8	101.5	487.6
1- 1	16891.8	-433.2	-282.4	-484.0	113.9	324.8

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-10	si	1	Sx	Si	-196.8	0.0	10.0	197.5
1- 1	si	7	Tz		-50.3	2.8	0.0	50.5
5-10	si	5	Ty		-144.5	0.0	-22.2	149.5

----- PROGR. 108.

## SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5-10	27705.0	-3645.8	-292.2	-121.8	121.0	487.6
1- 1	21296.6	-2254.4	-282.4	-484.0	154.7	324.8

TENSIONI (Sz= 0.00) : Caso | Ve | No | massi mi | Sx | Tz | Ty | Si

5-10	si	1	Sx	Si	-314.3	0.0	10.0	314.8
1-1	si	7	Tz		-61.3	3.9	0.0	61.7
5-10	si	5	Ty		-245.1	0.0	-22.2	248.1

VERIFI CA STABI LI TA` :

Z | LO = 108. | Ro = 11.55 | Im = 9.4 | Ncr= 14084763.2 | al fa(c) =0.4900 | ki =1.0000 |  
 Y | Lc = 108. | Ro = 0.43 | Im = 250.6 | Ncr= 19806.7 | al fa(c) =0.4900 | ki =0.0807 |  
 Caso 1- 1 - Nodo 1 - Asse Y  
 Ned = -484.0 | Mzeq = 15972.4 | Myeq = -2399.5 | Ss = -303.9 ( 0.090 )

ATTENZIONE : la snellezza supera il limite di 250.0  
 Rettangolare\_S007 ( 7 ) stato limite ultimo - ASTA ( 268- 269 ) 219  
 0. PROGR.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-533.9	0.0	0.0	-58.2	0.0
5-3	25.8	-311.0	0.0	2.1	-31.5	-1.7

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	Si	35.6	0.0	0.0
1-1	si	7	Tz		0.0	-1.5	0.0
5-3	si	5	Ty		-20.7	0.0	0.0

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-430.1	0.0	0.0	-52.5	0.0
5-3	22.6	-254.5	0.0	2.1	-28.8	-1.7

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	Si	28.7	0.0	0.0
1-1	si	7	Tz		0.0	-1.3	0.0
5-3	si	5	Ty		-16.9	0.0	0.0

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-336.9	0.0	0.0	-46.9	0.0
5-3	19.3	-203.1	0.0	2.1	-26.1	-1.7

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	Si	22.5	0.0	0.0
1-1	si	7	Tz		0.0	-1.2	0.0
5-3	si	5	Ty		-13.5	0.0	0.0

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-254.3	0.0	0.0	-41.2	0.0
5-3	16.1	-156.6	0.0	2.1	-23.4	-1.7

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	Si	17.0	0.0	0.0
1-1	si	7	Tz		0.0	-1.0	0.0
5-3	si	5	Ty		-10.4	0.0	0.0

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-182.2	0.0	0.0	-35.6	0.0
5-3	12.9	-115.2	0.0	2.1	-20.7	-1.7

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	3	Sx	Si	12.1	0.0	0.0
1-1	si	7	Tz		0.0	-0.9	0.0
5-3	si	5	Ty		-7.6	0.0	0.0

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-120.8	0.0	0.0	-29.9	0.0
5-3	9.7	-78.9	0.0	2.1	-18.0	-1.7

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	3	Sx	Si	8.1	0.0	0.0
1-1	si	7	Tz		0.0	-0.7	0.0
5-3	si	5	Ty		-5.2	0.0	0.0

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-69.9	0.0	0.0	-24.3	0.0
5-3	6.4	-47.6	0.0	2.1	-15.4	-1.7

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	3	Sx	Si	4.7	0.0	0.0
1-1	si	7	Tz		0.0	-0.6	0.0
5-3	si	5	Ty		-3.1	0.0	0.0

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-29.7	0.0	0.0	-18.6	0.0
5-3	3.2	-21.3	0.0	2.1	-12.7	-1.7

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	3	Sx	Si	2.0	0.0	0.0
1-1	si	7	Tz		0.0	-0.5	0.0
5-3	si	5	Ty		-1.4	0.0	0.0

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-10	0.0	0.0	0.0	7.0	-10.0	0.5
1-1	0.0	0.0	0.0	0.0	-13.0	0.0
5-3	0.0	0.0	0.0	2.1	-10.0	-1.7

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-10	si	4	Sx		0.1	0.0	0.0
1-1	si	7	Tz	Si	0.0	-0.3	0.0
5-3	si	5	Ty		0.0	0.0	0.0

VERIFI CA STABI LI TA` :

Z | LO = 15. | Ro = 11.55 | Im = 1.3 | Ncr=736930461.9 | al fa(c) =0.4900 | ki =1.0000 |  
 Y | Lc = 15. | Ro = 0.43 | Im = 34.6 | Ncr= 1036308.5 | al fa(c) =0.4900 | ki =0.8687 |  
 Caso 4- 8 - Nodo 4 - Asse Y

Ned = -7.0 | Mzeq = -5.8 | Myeq = -233.2 | Ss = -15.7 ( 0.005)

RETTANGOLARE\_S007 ( 7) stato limite ultimo - ASTA ( 270- 271) 220  
0.-----PROGR.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5-14	0.0	0.0	0.0	33.6	10.0	-10.8
1-1	0.0	0.0	0.0	0.0	13.0	0.0
5-9	0.0	0.0	0.0	28.4	10.0	-13.7
5-10	0.0	0.0	0.0	33.6	10.0	-13.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-14	si	3	Sx	0.6	0.0	0.0	0.6
1-1	si	7	Tz	0.0	0.3	0.0	0.6
5-9	si	5	Ty	0.5	0.0	0.3	0.8
5-10	si	6	Si	0.6	0.0	0.3	0.8

-----PROGR. 2.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5-7	25.6	-21.3	0.0	-33.6	12.7	13.7
1-1	0.0	-29.7	0.0	0.0	18.6	0.0
5-9	-25.6	-21.3	0.0	28.4	12.7	-13.7
5-10	-25.6	-21.3	0.0	33.6	12.7	-13.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-7	si	1	Sx	-2.0	0.0	0.0	2.0
1-1	si	7	Tz	0.0	0.5	0.0	0.8
5-9	si	5	Ty	-0.9	0.0	0.3	1.1
5-10	si	6	Si	2.0	0.0	0.3	2.1

-----PROGR. 4.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-69.9	0.0	0.0	24.3	0.0
5-9	-51.2	-47.6	0.0	28.4	15.4	-13.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-4.7	0.0	0.0	4.7
1-1	si	7	Tz	0.0	0.6	0.0	1.1
5-9	si	5	Ty	-2.7	0.0	0.3	2.8

-----PROGR. 6.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-120.8	0.0	0.0	29.9	0.0
5-9	-76.9	-78.9	0.0	28.4	18.0	-13.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	8.1	0.0	0.0	8.1
1-1	si	7	Tz	0.0	0.7	0.0	1.3
5-9	si	5	Ty	-4.8	0.0	0.3	4.8

-----PROGR. 8.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-182.2	0.0	0.0	35.6	0.0
5-9	-102.5	-115.2	0.0	28.4	20.7	-13.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	12.1	0.0	0.0	12.1
1-1	si	7	Tz	0.0	0.9	0.0	1.5
5-9	si	5	Ty	-7.2	0.0	0.3	7.2

-----PROGR. 9.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-254.3	0.0	0.0	41.2	0.0
5-9	-128.1	-156.6	0.0	28.4	23.4	-13.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	17.0	0.0	0.0	17.0
1-1	si	7	Tz	0.0	1.0	0.0	1.8
5-9	si	5	Ty	-10.0	0.0	0.3	10.0

-----PROGR. 11.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-336.9	0.0	0.0	46.9	0.0
5-9	-153.7	-203.1	0.0	28.4	26.1	-13.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	22.5	0.0	0.0	22.5
1-1	si	7	Tz	0.0	1.2	0.0	2.0
5-9	si	5	Ty	-13.1	0.0	0.3	13.1

-----PROGR. 13.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-430.1	0.0	0.0	52.5	0.0
5-9	-179.4	-254.5	0.0	28.4	28.8	-13.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	28.7	0.0	0.0	28.7
1-1	si	7	Tz	0.0	1.3	0.0	2.3
5-9	si	5	Ty	-16.5	0.0	0.3	16.5

-----PROGR. 15.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-533.9	0.0	0.0	58.2	0.0
5-9	-205.0	-311.0	0.0	28.4	31.5	-13.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	2	Sx	35.6	0.0	0.0	35.6
1-1	si	7	Tz	0.0	1.5	0.0	2.5
5-9	si	5	Ty	-20.3	0.0	0.3	20.3

VERIFI CA STABI LI TA` :

Z | LO = 15. | Ro = 11.55 | Im = 1.3 | Ncr=736930461.9 | al fa(c) = 0.4900 | ki = 1.0000  
Y | Lc = 15. | Ro = 0.43 | Im = 34.6 | Ncr= 1036308.5 | al fa(c) = 0.4900 | ki = 0.8687  
Caso 5-7 - Nodo 1 - Asse Y  
Ned = -33.6 | Mzeq = 153.7 | Myeq = -233.2 | Ss = -16.6 ( 0.005)

RETTANGOLARE\_S007 ( 7) stato limite ultimo - ASTA ( 272- 273) 221  
0.-----PROGR.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-7	0.0	0.0	0.0	8.7	10.0	-0.4

1- 1	0.0	0.0	0.0	0.0	13.0	0.0
5- 4	0.0	0.0	0.0	2.6	10.0	-1.4
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
4- 7	si	4	Sx	0.1	0.0	0.0
1- 1	si	7	Tz	0.0	0.3	0.0
5- 4	si	5	Ty	0.0	0.0	0.0

PROGR. 2.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-29.7	0.0	0.0	18.6	0.0
5- 4	-2.7	-21.3	0.0	2.6	12.7	-1.4

TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
1- 1	si	1	Sx	-2.0	0.0	0.0
1- 1	si	7	Tz	0.0	0.5	0.0
5- 4	si	5	Ty	-1.4	0.0	0.0

PROGR. 4.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-69.9	0.0	0.0	24.3	0.0
5- 4	-5.3	-47.6	0.0	2.6	15.4	-1.4

TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
1- 1	si	1	Sx	-4.7	0.0	0.0
1- 1	si	7	Tz	0.0	0.6	0.0
5- 4	si	5	Ty	-3.1	0.0	0.0

PROGR. 6.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-120.8	0.0	0.0	29.9	0.0
5- 4	-8.0	-78.9	0.0	2.6	18.0	-1.4

TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
1- 1	si	1	Sx	-8.1	0.0	0.0
1- 1	si	7	Tz	0.0	0.7	0.0
5- 4	si	5	Ty	-5.2	0.0	0.0

PROGR. 8.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-182.2	0.0	0.0	35.6	0.0
5- 4	-10.7	-115.2	0.0	2.6	20.7	-1.4

TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
1- 1	si	1	Sx	-12.1	0.0	0.0
1- 1	si	7	Tz	0.0	0.9	0.0
5- 4	si	5	Ty	-7.6	0.0	0.0

PROGR. 9.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-254.3	0.0	0.0	41.2	0.0
5- 4	-13.3	-156.6	0.0	2.6	23.4	-1.4

TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
1- 1	si	1	Sx	-17.0	0.0	0.0
1- 1	si	7	Tz	0.0	1.0	0.0
5- 4	si	5	Ty	-10.4	0.0	0.0

PROGR. 11.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-336.9	0.0	0.0	46.9	0.0
5- 4	-16.0	-203.1	0.0	2.6	26.1	-1.4

TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
1- 1	si	1	Sx	-22.5	0.0	0.0
1- 1	si	7	Tz	0.0	1.2	0.0
5- 4	si	5	Ty	-13.5	0.0	0.0

PROGR. 13.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-430.1	0.0	0.0	52.5	0.0
5- 4	-18.7	-254.5	0.0	2.6	28.8	-1.4

TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
1- 1	si	2	Sx	28.7	0.0	0.0
1- 1	si	7	Tz	0.0	1.3	0.0
5- 4	si	5	Ty	-16.9	0.0	0.0

PROGR. 15.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-533.9	0.0	0.0	58.2	0.0
5- 4	-21.3	-311.0	0.0	2.6	31.5	-1.4

TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
1- 1	si	2	Sx	35.6	0.0	0.0
1- 1	si	7	Tz	0.0	1.5	0.0
5- 4	si	5	Ty	-20.7	0.0	0.0

PROGR. 15.

VERI FI CA STABI LI TA` :

Z | LO = 15. | Ro = 11.55 | Im = 1.3 | Ncr=736930461.9 | al fa(c )=0.4900 | ki=1.0000  
 Y | Lc = 15. | Ro = 0.43 | Im = 34.6 | Ncr= 1036308.5 | al fa(c )=0.4900 | ki=0.8687  
 Caso 4- 4 - Nodo 1 - Asse Y  
 Ned = -8.7 | Mzeq = 4.8 | Myeq = -233.2 | Ss = -15.7 ( 0.005)

RETTANGOLARE\_S007 ( 7) stato li mi te ul ti mo - ASTA ( 274- 275) 222  
 PROGR. 0.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
4-11	0.0	0.0	0.0	-8.7	10.0	-0.4
1- 1	0.0	0.0	0.0	0.0	13.0	0.0
5- 9	0.0	0.0	0.0	-2.6	10.0	-1.4

TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massi mi	Sx	Tz	Ty
4-11	si	2	Sx	-0.1	0.0	0.0
1- 1	si	7	Tz	0.0	0.3	0.0
5- 9	si	5	Ty	0.0	0.0	0.0

PROGR. 2.

SOLLECI TAZI ONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-29.7	0.0	0.0	18.6	0.0
5- 9	-2.7	-21.3	0.0	-2.6	12.7	-1.4

TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	1	Sx	-2.0	0.0	0.0	2.0		
1-1	si	7	Tz	0.0	0.5	0.0	0.8		
5-9	si	5	Ty	-1.5	0.0	0.0	1.5		
----- PROGR. 4.									
SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
1-1				0.0	-69.9	0.0	0.0	24.3	0.0
5-9				-5.3	-47.6	0.0	-2.6	15.4	-1.4
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	1	Sx	-4.7	0.0	0.0	4.7		
1-1	si	7	Tz	0.0	0.6	0.0	1.1		
5-9	si	5	Ty	-3.2	0.0	0.0	3.2		
----- PROGR. 6.									
SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
1-1				0.0	-120.8	0.0	0.0	29.9	0.0
5-9				-8.0	-78.9	0.0	-2.6	18.0	-1.4
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	1	Sx	-8.1	0.0	0.0	8.1		
1-1	si	7	Tz	0.0	0.7	0.0	1.3		
5-9	si	5	Ty	-5.3	0.0	0.0	5.3		
----- PROGR. 8.									
SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
1-1				0.0	-182.2	0.0	0.0	35.6	0.0
5-9				-10.7	-115.2	0.0	-2.6	20.7	-1.4
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	1	Sx	-12.1	0.0	0.0	12.1		
1-1	si	7	Tz	0.0	0.9	0.0	1.5		
5-9	si	5	Ty	-7.7	0.0	0.0	7.7		
----- PROGR. 9.									
SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
1-1				0.0	-254.3	0.0	0.0	41.2	0.0
5-9				-13.3	-156.6	0.0	-2.6	23.4	-1.4
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	1	Sx	-17.0	0.0	0.0	17.0		
1-1	si	7	Tz	0.0	1.0	0.0	1.8		
5-9	si	5	Ty	-10.5	0.0	0.0	10.5		
----- PROGR. 11.									
SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
1-1				0.0	-336.9	0.0	0.0	46.9	0.0
5-9				-16.0	-203.1	0.0	-2.6	26.1	-1.4
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	1	Sx	-22.5	0.0	0.0	22.5		
1-1	si	7	Tz	0.0	1.2	0.0	2.0		
5-9	si	5	Ty	-13.6	0.0	0.0	13.6		
----- PROGR. 13.									
SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
1-1				0.0	-430.1	0.0	0.0	52.5	0.0
5-9				-18.7	-254.5	0.0	-2.6	28.8	-1.4
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	1	Sx	-28.7	0.0	0.0	28.7		
1-1	si	7	Tz	0.0	1.3	0.0	2.3		
5-9	si	5	Ty	-17.0	0.0	0.0	17.0		
----- PROGR. 15.									
SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
1-1				0.0	-533.9	0.0	0.0	58.2	0.0
5-9				-21.3	-311.0	0.0	-2.6	31.5	-1.4
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	1	Sx	-35.6	0.0	0.0	35.6		
1-1	si	7	Tz	0.0	1.5	0.0	2.5		
5-9	si	5	Ty	-20.8	0.0	0.0	20.8		

## VERI F I C A S T A B I L I T A` :

Z | L0 = 15. | Ro = 11.55 | Im = 1.3 | Ncr=736930461.9 | al fa(c) =0.4900 | ki =1.0000  
Y | Lc = 15. | Ro = 0.43 | Im = 34.6 | Ncr= 1036308.5 | al fa(c) =0.4900 | ki =0.8687  
Caso 4-1 - Nodo 4 - Asse Y  
Ned = -8.7 | Mzeq = -4.8 | Myeq = -233.2 | Ss = -15.7 ( 0.005)

RETTANGOLARE\_S007 ( 7) stato limite ultimo - ASTA ( 276- 277) 223  
----- PROGR. 0.

SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
4-16				0.0	0.0	0.0	17.3	10.0	0.4
1-1				0.0	0.0	0.0	0.0	13.0	0.0
5-9				0.0	0.0	0.0	3.0	10.0	-6.1
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
4-16	si	4	Sx	0.3	0.0	0.0	0.3		
1-1	si	7	Tz	0.0	0.3	0.0	0.6		
5-9	si	5	Ty	0.1	0.0	0.2	0.3		
----- PROGR. 2.									
SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
1-1				0.0	-29.7	0.0	0.0	18.6	0.0
5-9				-11.4	-21.3	0.0	3.0	12.7	-6.1
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	1	Sx	-2.0	0.0	0.0	2.0		
1-1	si	7	Tz	0.0	0.5	0.0	0.8		
5-9	si	5	Ty	-1.4	0.0	0.2	1.4		
----- PROGR. 4.									
SOLLECI TAZI ONI :									
Caso				MZ	MY	MT	N	TZ	TY
1-1				0.0	-69.9	0.0	0.0	24.3	0.0
5-9				-22.9	-47.6	0.0	3.0	15.4	-6.1
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		



1- 1	si	1	Sx	Si	-4. 7	0. 0	0. 0	4. 7
1- 1	si	7	Tz		0. 0	0. 6	0. 0	1. 1
5- 9	si	5	Ty		-3. 1	0. 0	0. 2	3. 1

SOLLECI TAZI ONI :									
Caso			MZ		MY	MT	N	TZ	TY
1- 1			0. 0		-120. 8	0. 0	0. 0	29. 9	0. 0
5- 9			-34. 3		-78. 9	0. 0	3. 0	18. 0	-6. 1

TENSI ONI (Sz= 0. 00) :								
Caso	Ve	No	massi mi		Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	-8. 1	0. 0	0. 0	8. 1
1- 1	si	7	Tz		0. 0	0. 7	0. 0	1. 3
5- 9	si	5	Ty		-5. 2	0. 0	0. 2	5. 2

SOLLECI TAZI ONI :									
Caso			MZ		MY	MT	N	TZ	TY
1- 1			0. 0		-182. 2	0. 0	0. 0	35. 6	0. 0
5- 9			-45. 8		-115. 2	0. 0	3. 0	20. 7	-6. 1

TENSI ONI (Sz= 0. 00) :								
Caso	Ve	No	massi mi		Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	12. 1	0. 0	0. 0	12. 1
1- 1	si	7	Tz		0. 0	0. 9	0. 0	1. 5
5- 9	si	5	Ty		-7. 6	0. 0	0. 2	7. 6

SOLLECI TAZI ONI :									
Caso			MZ		MY	MT	N	TZ	TY
1- 1			0. 0		-254. 3	0. 0	0. 0	41. 2	0. 0
5- 9			-57. 2		-156. 6	0. 0	3. 0	23. 4	-6. 1

TENSI ONI (Sz= 0. 00) :								
Caso	Ve	No	massi mi		Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	17. 0	0. 0	0. 0	17. 0
1- 1	si	7	Tz		0. 0	1. 0	0. 0	1. 8
5- 9	si	5	Ty		-10. 4	0. 0	0. 2	10. 4

SOLLECI TAZI ONI :									
Caso			MZ		MY	MT	N	TZ	TY
1- 1			0. 0		-336. 9	0. 0	0. 0	46. 9	0. 0
5- 9			-68. 7		-203. 1	0. 0	3. 0	26. 1	-6. 1

TENSI ONI (Sz= 0. 00) :								
Caso	Ve	No	massi mi		Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	22. 5	0. 0	0. 0	22. 5
1- 1	si	7	Tz		0. 0	1. 2	0. 0	2. 0
5- 9	si	5	Ty		-13. 5	0. 0	0. 2	13. 5

SOLLECI TAZI ONI :									
Caso			MZ		MY	MT	N	TZ	TY
1- 1			0. 0		-430. 1	0. 0	0. 0	52. 5	0. 0
5- 9			-80. 1		-254. 5	0. 0	3. 0	28. 8	-6. 1

TENSI ONI (Sz= 0. 00) :								
Caso	Ve	No	massi mi		Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	28. 7	0. 0	0. 0	28. 7
1- 1	si	7	Tz		0. 0	1. 3	0. 0	2. 3
5- 9	si	5	Ty		-16. 9	0. 0	0. 2	16. 9

SOLLECI TAZI ONI :									
Caso			MZ		MY	MT	N	TZ	TY
1- 1			0. 0		-533. 9	0. 0	0. 0	58. 2	0. 0
5- 9			-91. 6		-311. 0	0. 0	3. 0	31. 5	-6. 1

TENSI ONI (Sz= 0. 00) :								
Caso	Ve	No	massi mi		Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	35. 6	0. 0	0. 0	35. 6
1- 1	si	7	Tz		0. 0	1. 5	0. 0	2. 5
5- 9	si	5	Ty		-20. 7	0. 0	0. 2	20. 7

VERI FI CA STABI LI TA ` :

Z | LO = 15. | Ro = 11. 55 | Im = 1. 3 | Ncr=736930461. 9 | al fa(c )=0. 4900 | ki=1. 0000  
 Y | Lc = 15. | Ro = 0. 43 | Im = 34. 6 | Ncr= 1036308. 5 | al fa(c )=0. 4900 | ki=0. 8687  
 Caso 5- 5 - Nodo 1 - Asse Y  
 Ned = -12. 1 | Mzeq = 61. 5 | Myeq = -233. 2 | Ss = -15. 9 ( 0. 005)

RETTANGOLARE\_S007 ( 7 ) stato li mi te ul ti mo - ASTA ( 271- 278 ) 224  
 0.   
 ----- PROGR.

SOLLECI TAZI ONI :									
Caso			MZ		MY	MT	N	TZ	TY
5-10			-47218. 5		13020. 1	5. 1	20. 2	184. 5	893. 0
5- 7			21231. 9		-9315. 9	122. 7	29. 1	-227. 0	-373. 1
5-16			-46969. 9		12905. 7	15. 8	14. 0	182. 5	888. 5

TENSI ONI (Sz= 0. 00) :								
Caso	Ve	No	massi mi		Sx	Tz	Ty	Si
5-10	si	1	Sx	Si	986. 4	0. 0	0. 2	986. 4
5- 7	si	7	Tz		-52. 6	-5. 7	0. 0	53. 5
5-16	si	5	Ty		860. 6	0. 0	-22. 8	861. 5

SOLLECI TAZI ONI :									
Caso			MZ		MY	MT	N	TZ	TY
5-10			-35116. 8		10386. 4	5. 1	20. 2	203. 9	893. 0
5- 7			16180. 4		-6368. 7	122. 7	29. 1	-207. 6	-373. 1
5-16			-34910. 1		10299. 4	15. 8	14. 0	201. 9	888. 5

TENSI ONI (Sz= 0. 00) :								
Caso	Ve	No	massi mi		Sx	Tz	Ty	Si
5-10	si	1	Sx	Si	780. 6	0. 0	0. 2	780. 6
5- 7	si	7	Tz		-40. 0	-5. 2	0. 0	41. 0
5-16	si	5	Ty		686. 9	0. 0	-22. 8	688. 0

SOLLECI TAZI ONI :									
Caso			MZ		MY	MT	N	TZ	TY
5-10			-23020. 3		7489. 5	5. 1	20. 2	223. 3	893. 0
5-16			-22845. 4		7429. 8	15. 8	14. 0	221. 3	888. 5

TENSI ONI (Sz= 0. 00) :								
Caso	Ve	No	massi mi		Sx	Tz	Ty	Si
5-10	si	1	Sx	Si	557. 2	0. 0	0. 2	557. 2
5-10	si	7	Tz		57. 9	5. 6	0. 0	58. 7
5-16	si	5	Ty		495. 6	0. 0	-22. 8	497. 1

SOLLECI TAZI ONI :									
Caso			MZ		MY	MT	N	TZ	TY
5-10			-10930. 6		4329. 4	5. 1	20. 2	242. 7	893. 0
5-16			-10774. 0		4297. 0	15. 8	14. 0	240. 7	888. 5

TENSI ONI (Sz= 0. 00) :								
Caso	Ve	No	massi mi		Sx	Tz	Ty	Si
5-10	si	1	Sx	Si	316. 3	0. 0	0. 2	316. 3



5-10	si	7	Tz	-35.7	8.9	0.0	38.9	81.
5-10	si	5	Ty	-249.7	0.0	-35.5	257.1	
----- PROGR.								
SOLLECI TAZI ONI	:							
Caso	MZ		MY	MT	N	TZ	TY	933.1
5-10	27085.9		-8694.2	356.1	7.2	374.5		
TENSI ONI (Sz=0.00)	:							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-10	si	3	Sx	Si				
5-10	si	7	Tz	647.4	0.0	12.2	647.8	
5-10	si	5	Ty	-67.6	9.4	0.0	69.5	
5-10	si	5	Ty	-579.5	0.0	-35.5	582.7	
----- PROGR.								
SOLLECI TAZI ONI	:							
Caso	MZ		MY	MT	N	TZ	TY	933.1
5-10	39736.4		-13904.6	356.1	7.2	393.9		
TENSI ONI (Sz=0.00)	:							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-10	si	3	Sx	Si				
5-10	si	7	Tz	1026.4	0.0	12.2	1026.7	
5-10	si	5	Ty	-99.2	9.8	0.0	100.7	
5-10	si	5	Ty	-926.9	0.0	-35.5	928.9	
----- PROGR.								
SOLLECI TAZI ONI	:							
Caso	MZ		MY	MT	N	TZ	TY	933.1
5-10	52388.6		-19378.3	356.1	7.2	413.3		
TENSI ONI (Sz=0.00)	:							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-10	si	3	Sx	Si				
5-10	si	7	Tz	1423.0	0.0	12.2	1423.1	
5-10	si	5	Ty	-130.9	10.3	0.0	132.1	
5-10	si	5	Ty	-1291.8	0.0	-35.5	1293.2	
----- PROGR.								
VERI FI CA STAB I LI TA` :								
Z	LO = 108.	Ro = 11.55	Im = 9.4	Ncr = 14084763.2	al fa(c) = 0.4900	ki = 1.0000		
Y	Lc = 108.	Ro = 0.43	Im = 250.6	Ncr = 19806.7	al fa(c) = 0.4900	ki = 0.0807		
Caso 5-5 - Nodo 1 - Asse Y								
Ned = -1.7   Mzeq = 17182.4   Myeq = -8936.4   Ss = -639.1 ( 0.189)								
ATTENZIONE : la snellezza supera il limite di 250.0								
RETTANGOLARE_S007 ( 7 ) stato limite ultimo - ASTA ( 275- 280) 226								
----- PROGR. 0.								
SOLLECI TAZI ONI	:							
Caso	MZ		MY	MT	N	TZ	TY	971.3
5-7	24740.4		-14830.0	253.0	1.9	-329.0	-427.4	
5-10	-50754.0		11515.5	696.7	3.7	155.5	971.3	
TENSI ONI (Sz=0.00)	:							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-7	si	3	Sx	Si				
5-7	si	7	Tz	1050.6	0.0	8.6	1050.7	
5-7	si	5	Ty	-61.8	-8.2	0.0	63.4	
5-10	si	5	Ty	767.8	0.0	-48.1	772.3	
----- PROGR.								
SOLLECI TAZI ONI	:							
Caso	MZ		MY	MT	N	TZ	TY	971.3
5-7	18952.5		-10500.1	253.0	1.9	-309.6	-427.4	
5-10	-37588.7		9274.8	696.7	3.7	175.0	971.3	
TENSI ONI (Sz=0.00)	:							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-7	si	3	Sx	Si				
5-7	si	7	Tz	747.4	0.0	8.6	747.6	
5-7	si	5	Ty	-47.3	-7.7	0.0	49.2	
5-10	si	5	Ty	618.4	0.0	-48.1	624.0	
----- PROGR.								
SOLLECI TAZI ONI	:							
Caso	MZ		MY	MT	N	TZ	TY	971.3
5-10	-24426.7		6771.8	696.7	3.7	194.4	971.3	
5-7	13167.8		-6434.4	253.0	1.9	-290.2	-427.4	
TENSI ONI (Sz=0.00)	:							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-10	si	1	Sx	Si				
5-7	si	7	Tz	512.6	0.0	23.8	514.2	
5-10	si	5	Ty	-32.9	-7.3	0.0	35.2	
5-10	si	5	Ty	451.5	0.0	-48.1	459.1	
----- PROGR.								
SOLLECI TAZI ONI	:							
Caso	MZ		MY	MT	N	TZ	TY	971.3
5-12	-11080.6		4011.9	687.3	6.7	212.5	967.7	
5-7	7387.8		-2624.8	253.0	1.9	-270.8	-427.4	
5-10	-11269.3		3998.5	696.7	3.7	213.8	971.3	
TENSI ONI (Sz=0.00)	:							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-12	si	1	Sx	Si				
5-7	si	7	Tz	295.3	0.0	23.5	298.1	
5-7	si	5	Ty	-18.4	-6.8	0.0	21.8	
5-10	si	5	Ty	266.6	0.0	-48.1	279.3	
----- PROGR.								
SOLLECI TAZI ONI	:							
Caso	MZ		MY	MT	N	TZ	TY	971.3
1-1	3734.0		1989.7	865.9	5.1	-21.6	680.8	
5-7	1607.4		913.4	253.0	1.9	-251.4	-427.4	
5-10	1888.4		970.3	696.7	3.7	233.2	971.3	
TENSI ONI (Sz=0.00)	:							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	Si				
5-7	si	7	Tz	142.1	0.0	29.6	151.0	
5-10	si	5	Ty	-4.0	-6.3	0.0	11.6	
5-10	si	5	Ty	64.7	0.0	-48.1	105.5	
1-1	si	5	Ty	132.7	0.0	-46.6	155.4	
----- PROGR.								
SOLLECI TAZI ONI	:							
Caso	MZ		MY	MT	N	TZ	TY	971.3
5-7	-4154.5		4191.1	253.0	1.9	-232.0	-427.4	
5-10	15027.6		-2324.1	696.7	3.7	252.6	971.3	
TENSI ONI (Sz=0.00)	:							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-7	si	1	Sx	Si				
5-10	si	7	Tz	289.8	0.0	8.6	290.2	
5-10	si	5	Ty	-37.5	6.3	0.0	39.1	
5-10	si	5	Ty	-154.9	0.0	-48.1	175.9	
----- PROGR.								
SOLLECI TAZI ONI	:							
Caso	MZ		MY	MT	N	TZ	TY	971.3
5-7	-9916.6		7205.2	253.0	1.9	-212.5	-427.4	
5-10	28167.0		-5881.1	696.7	3.7	272.0	971.3	
TENSI ONI (Sz=0.00)	:							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-7	si	1	Sx	Si				
5-10	si	7	Tz	505.2	0.0	8.6	505.4	
5-10	si	5	Ty	-70.4	6.8	0.0	71.3	
5-10	si	5	Ty	-392.0	0.0	-48.1	400.8	
----- PROGR.								

----- PROGR. 95.												
SOLLECI TAZI ONI :												
Caso	MZ		MY		MT		N		TZ		TY	
5-10	41302.2		-9701.5		696.7		3.7		291.4		971.3	
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massi mi		Sx		Tz		Ty		Si	
5-10	si	3	Sx	Si	750.1		0.0		23.8		751.2	
5-10	si	7			-103.2		7.3		0.0		104.0	
5-10	si	5			-646.7		0.0		-48.1		652.0	
----- PROGR. 108.												
SOLLECI TAZI ONI :												
Caso	MZ		MY		MT		N		TZ		TY	
5-10	54434.4		-13785.2		696.7		3.7		310.8		971.3	
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massi mi		Sx		Tz		Ty		Si	
5-10	si	3	Sx	Si	1055.2		0.0		23.8		1056.0	
5-10	si	7			-136.0		7.8		0.0		136.7	
5-10	si	5			-918.9		0.0		-48.1		922.7	
----- VERIFICAZIONE STABILITÀ -----												
Z   LO = 108.   Ro = 11.55   Im = 9.4   Ncr= 14084763.2   al fa(c) = 0.4900   ki = 1.0000												
Y   Lc = 108.   Ro = 0.43   Im = 250.6   Ncr= 19806.7   al fa(c) = 0.4900   ki = 0.0807												
Caso 5-5 - Nodo 1 - Asse Y												
Ned = -1.1   Mzeq = 18357.3   Myeq = -11089.5   Ss = -785.5 ( 0.232)												
ATTENZIONE : la snellezza supera il limite di 250.0												
RETTANGOLARE_S007 ( 7 ) stato limite ultimo - ASTA ( 277- 281) 227												
----- PROGR. 0.												
SOLLECI TAZI ONI :												
Caso	MZ		MY		MT		N		TZ		TY	
5-10	-60468.8		15338.7		955.5		-5.4		226.0		1157.6	
5-7	22599.1		-13037.5		279.7		22.9		-296.5		-384.5	
1-1	-47905.7		3445.9		1174.2		24.1		-55.7		963.6	
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massi mi		Sx		Tz		Ty		Si	
5-10	si	3	Sx	Si	-1173.8		0.0		32.7		1175.2	
5-7	si	7			-56.1		-7.4		0.0		57.6	
1-1	si	5			230.1		0.0		-64.2		255.6	
----- PROGR. 14.												
SOLLECI TAZI ONI :												
Caso	MZ		MY		MT		N		TZ		TY	
5-10	-44779.0		12142.3		955.5		-5.4		245.4		1157.6	
5-7	17394.3		-9148.1		279.7		22.9		-277.1		-384.5	
1-1	-34836.3		3923.8		1174.2		24.1		-14.8		963.6	
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massi mi		Sx		Tz		Ty		Si	
5-10	si	3	Sx	Si	-921.5		0.0		32.7		923.3	
5-7	si	7			-43.1		-6.9		0.0		44.7	
1-1	si	5			262.0		0.0		-64.2		284.6	
----- PROGR. 27.												
SOLLECI TAZI ONI :												
Caso	MZ		MY		MT		N		TZ		TY	
5-10	-29094.8		8683.1		955.5		-5.4		264.8		1157.6	
1-1	-21766.8		3847.6		1174.2		24.1		26.0		963.6	
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massi mi		Sx		Tz		Ty		Si	
5-10	si	3	Sx	Si	-651.7		0.0		32.7		654.1	
5-10	si	7			72.6		6.6		0.0		73.5	
1-1	si	5			256.9		0.0		-64.2		280.0	
----- PROGR. 41.												
SOLLECI TAZI ONI :												
Caso	MZ		MY		MT		N		TZ		TY	
5-12	-13220.1		4962.1		943.4		-14.0		283.4		1152.3	
5-10	-13420.0		4950.8		955.5		-5.4		284.2		1157.6	
1-1	-8697.3		3217.2		1174.2		24.1		66.9		963.6	
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massi mi		Sx		Tz		Ty		Si	
5-12	si	3	Sx	Si	-364.1		0.0		32.2		368.3	
5-10	si	7			33.5		7.1		0.0		35.7	
1-1	si	5			214.9		0.0		-64.2		242.0	
----- PROGR. 54.												
SOLLECI TAZI ONI :												
Caso	MZ		MY		MT		N		TZ		TY	
1-1	4372.2		2032.8		1174.2		24.1		107.8		963.6	
5-10	2251.2		969.3		955.5		-5.4		303.6		1157.6	
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massi mi		Sx		Tz		Ty		Si	
1-1	si	4	Sx	Si	146.9		0.0		40.1		162.5	
5-10	si	7			-5.7		7.6		0.0		14.3	
1-1	si	5			135.9		0.0		-64.2		175.6	
----- PROGR. 68.												
SOLLECI TAZI ONI :												
Caso	MZ		MY		MT		N		TZ		TY	
5-10	17894.5		-3279.3		955.5		-5.4		323.0		1157.6	
1-1	17441.7		294.3		1174.2		24.1		148.6		963.6	
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massi mi		Sx		Tz		Ty		Si	
5-10	si	1	Sx	Si	-263.5		0.0		32.7		269.5	
5-10	si	7			-44.8		8.1		0.0		47.0	
1-1	si	5			20.0		0.0		-64.2		113.0	
----- PROGR. 81.												
SOLLECI TAZI ONI :												
Caso	MZ		MY		MT		N		TZ		TY	
5-10	33537.2		-7791.7		955.5		-5.4		342.4		1157.6	
1-1	30511.1		-1998.2		1174.2		24.1		189.5		963.6	
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massi mi		Sx		Tz		Ty		Si	
5-10	si	1	Sx	Si	-603.4		0.0		32.7		606.0	
5-10	si	7			-83.9		8.6		0.0		85.2	
1-1	si	5			-132.8		0.0		-64.2		173.2	
----- PROGR. 95.												
SOLLECI TAZI ONI :												
Caso	MZ		MY		MT		N		TZ		TY	
5-10	49174.9		-12567.5		955.5		-5.4		361.9		1157.6	
1-1	43580.6		-4844.9		1174.2		24.1		230.3		963.6	
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massi mi		Sx		Tz		Ty		Si	
5-10	si	1	Sx	Si	-960.9		0.0		32.7		962.5	
5-10	si	7			-123.0		9.0		0.0		124.0	
1-1	si	5			-322.6		0.0		-64.2		341.2	
----- PROGR. 108.												

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5-10	64809.7	-17606.6	955.5	-5.4	381.3	1157.6
1-1	56650.1	-8245.7	1174.2	24.1	271.2	963.6

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-10	si	1	Sx	Si	-1335.9	0.0	32.7
5-10	si	7	Tz		-162.1	9.5	0.0
1-1	si	5	Ty		-549.3	0.0	-64.2

VERI FI CA STABI LI TA` :

Z | LO = 108. | Ro = 11.55 | Im = 9.4 | Ncr= 14084763.2 | al fa(c) =0.4900 | ki=1.0000 |  
 Y | Lc = 108. | Ro = 0.43 | Im = 250.6 | Ncr= 19806.7 | al fa(c) =0.4900 | ki=0.0807 |  
 Caso 5-12 - Nodo 1 - Asse Y  
 Ned = -14.0 | Mzeq = 48895.5 | Myeq = -13164.8 | Ss = -1003.4 ( 0.297 )

ATTENZIONE : la snellezza supera il limite di 250.0  
 RETTANGOLARE\_S007 ( 7 ) stato limite ultimo - ASTA ( 278- 282 ) 228  
 0.

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-533.9	0.0	0.0	-58.2	0.0
5-1	47.7	-311.0	0.0	7.8	-31.5	-3.2

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	1	Sx	Si	-35.6	0.0	0.0
1-1	si	7	Tz		0.0	-1.5	0.0
5-1	si	5	Ty		-20.6	0.0	0.1

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-430.1	0.0	0.0	-52.5	0.0
5-1	41.8	-254.5	0.0	7.8	-28.8	-3.2

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	1	Sx	Si	-28.7	0.0	0.0
1-1	si	7	Tz		0.0	-1.3	0.0
5-1	si	5	Ty		-16.8	0.0	0.1

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-336.9	0.0	0.0	-46.9	0.0
5-1	35.8	-203.1	0.0	7.8	-26.1	-3.2

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	1	Sx	Si	-22.5	0.0	0.0
1-1	si	7	Tz		0.0	-1.2	0.0
5-1	si	5	Ty		-13.4	0.0	0.1

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-254.3	0.0	0.0	-41.2	0.0
5-1	29.8	-156.6	0.0	7.8	-23.4	-3.2

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	1	Sx	Si	-17.0	0.0	0.0
1-1	si	7	Tz		0.0	-1.0	0.0
5-1	si	5	Ty		-10.3	0.0	0.1

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-182.2	0.0	0.0	-35.6	0.0
5-1	23.9	-115.2	0.0	7.8	-20.7	-3.2

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	1	Sx	Si	-12.1	0.0	0.0
1-1	si	7	Tz		0.0	-0.9	0.0
5-1	si	5	Ty		-7.6	0.0	0.1

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-120.8	0.0	0.0	-29.9	0.0
5-1	17.9	-78.9	0.0	7.8	-18.0	-3.2

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	1	Sx	Si	-8.1	0.0	0.0
1-1	si	7	Tz		0.0	-0.7	0.0
5-1	si	5	Ty		-5.1	0.0	0.1

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-69.9	0.0	0.0	-24.3	0.0
5-1	11.9	-47.6	0.0	7.8	-15.4	-3.2

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	1	Sx	Si	-4.7	0.0	0.0
1-1	si	7	Tz		0.0	-0.6	0.0
5-1	si	5	Ty		-3.0	0.0	0.1

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-29.7	0.0	0.0	-18.6	0.0
5-1	6.0	-21.3	0.0	7.8	-12.7	-3.2

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	1	Sx	Si	-2.0	0.0	0.0
1-1	si	7	Tz		0.0	-0.5	0.0
5-1	si	5	Ty		-1.3	0.0	0.1

SOLLECI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
4-8	0.0	0.0	0.0	-11.1	-10.0	-1.6
1-1	0.0	0.0	0.0	0.0	-13.0	0.0
5-1	0.0	0.0	0.0	7.8	-10.0	-3.2

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-8	si	1	Sx	Si	-0.2	0.0	0.0
1-1	si	7	Tz		0.0	-0.3	0.0
5-1	si	5	Ty		0.0	0.0	0.1

## Posto di Controllo Centralizzato - Relazione di calcolo - Scala metallica e vano ascensore

## VERIFICA STABILITÀ :

Z | LO = 15. | Ro = 11.55 | Im = 1.3 | Ncr=736930461.9 | alfa(c) = 0.4900 | ki = 1.0000 |  
 Y | Lc = 15. | Ro = 0.43 | Im = 34.6 | Ncr= 1036308.5 | alfa(c) = 0.4900 | ki = 0.8687 |  
 Caso 4- 7 - Nodo 1 - Asse Y  
 Ned = -11.1 | Mzeq = 30.0 | Myeq = -233.2 | Ss = -15.8 ( 0.005)

RETTANGOLARE\_S007 ( 7 ) stato limite ultimo - ASTA ( 279- 283 ) 229  
 PROGR. 0.

## SOLLECCI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-533.9	0.0	0.0	-58.2	0.0
4-16	-168.7	-311.0	0.0	-10.1	-31.5	11.2

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	35.6	0.0	0.0	35.6
1- 1	si	7	Tz	0.0	-1.5	0.0	2.5
4-16	si	5	Ty	-20.9	0.0	-0.3	20.9

2.

## SOLLECCI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-430.1	0.0	0.0	-52.5	0.0
4-16	-147.6	-254.5	0.0	-10.1	-28.8	11.2

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	28.7	0.0	0.0	28.7
1- 1	si	7	Tz	0.0	-1.3	0.0	2.3
4-16	si	5	Ty	-17.1	0.0	-0.3	17.1

4.

## SOLLECCI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-336.9	0.0	0.0	-46.9	0.0
4-16	-126.5	-203.1	0.0	-10.1	-26.1	11.2

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	22.5	0.0	0.0	22.5
1- 1	si	7	Tz	0.0	-1.2	0.0	2.0
4-16	si	5	Ty	-13.7	0.0	-0.3	13.7

6.

## SOLLECCI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-254.3	0.0	0.0	-41.2	0.0
4-16	-105.4	-156.6	0.0	-10.1	-23.4	11.2

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	17.0	0.0	0.0	17.0
1- 1	si	7	Tz	0.0	-1.0	0.0	1.8
4-16	si	5	Ty	-10.6	0.0	-0.3	10.6

8.

## SOLLECCI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-182.2	0.0	0.0	-35.6	0.0
4-16	-84.4	-115.2	0.0	-10.1	-20.7	11.2

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	12.1	0.0	0.0	12.1
1- 1	si	7	Tz	0.0	-0.9	0.0	1.5
4-16	si	5	Ty	-7.9	0.0	-0.3	7.9

9.

## SOLLECCI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-120.8	0.0	0.0	-29.9	0.0
4-16	-63.3	-78.9	0.0	-10.1	-18.0	11.2

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	8.1	0.0	0.0	8.1
1- 1	si	7	Tz	0.0	-0.7	0.0	1.3
4-16	si	5	Ty	-5.4	0.0	-0.3	5.4

11.

## SOLLECCI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-69.9	0.0	0.0	-24.3	0.0
4-16	-42.2	-47.6	0.0	-10.1	-15.4	11.2

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	4.7	0.0	0.0	4.7
1- 1	si	7	Tz	0.0	-0.6	0.0	1.1
4-16	si	5	Ty	-3.3	0.0	-0.3	3.4

13.

## SOLLECCI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-29.7	0.0	0.0	-18.6	0.0
4-16	-21.1	-21.3	0.0	-10.1	-12.7	11.2

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	2.0	0.0	0.0	2.0
1- 1	si	7	Tz	0.0	-0.5	0.0	0.8
4-16	si	5	Ty	-1.6	0.0	-0.3	1.7

15.

## SOLLECCI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
5- 3	0.0	0.0	0.0	19.0	-10.0	-1.5
1- 1	0.0	0.0	0.0	0.0	-13.0	0.0
4-16	0.0	0.0	0.0	-10.1	-10.0	11.2

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5- 3	si	3	Sx	0.3	0.0	0.0	0.3
1- 1	si	7	Tz	0.0	-0.3	0.0	0.6
4-16	si	5	Ty	-0.2	0.0	-0.3	0.5

## VERIFICA STABILITÀ :

Z | LO = 15. | Ro = 11.55 | Im = 1.3 | Ncr=736930461.9 | alfa(c) = 0.4900 | ki = 1.0000 |  
 Y | Lc = 15. | Ro = 0.43 | Im = 34.6 | Ncr= 1036308.5 | alfa(c) = 0.4900 | ki = 0.8687 |  
 Caso 4- 7 - Nodo 1 - Asse Y  
 Ned = -16.5 | Mzeq = 108.4 | Myeq = -233.2 | Ss = -16.1 ( 0.005)

RETTANGOLARE\_S007 ( 7 ) stato limite ultimo - ASTA ( 280- 284 ) 230  
 PROGR. 0.

## SOLLECCI TAZI ONI :

Caso	MZ	MY	MT	N	TZ	TY
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1- 1		0.0	-533.9	0.0	0.0	-58.2	0.0
4- 5		186.3	-311.0	0.0	-2.8	-31.5	-12.4
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si			35.6
1- 1	si	7	Tz				2.5
4- 5	si	5	Ty				20.8

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-430.1	0.0	0.0	-52.5	0.0
4- 5		163.0	-254.5	0.0	-2.8	-28.8	-12.4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si			28.7
1- 1	si	7	Tz				2.3
4- 5	si	5	Ty				17.0

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-336.9	0.0	0.0	-46.9	0.0
4- 5		139.7	-203.1	0.0	-2.8	-26.1	-12.4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si			22.5
1- 1	si	7	Tz				2.0
4- 5	si	5	Ty				13.6

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-254.3	0.0	0.0	-41.2	0.0
4- 5		116.4	-156.6	0.0	-2.8	-23.4	-12.4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si			17.0
1- 1	si	7	Tz				1.8
4- 5	si	5	Ty				10.5

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-182.2	0.0	0.0	-35.6	0.0
4- 5		93.1	-115.2	0.0	-2.8	-20.7	-12.4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si			12.1
1- 1	si	7	Tz				1.5
4- 5	si	5	Ty				7.7

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-120.8	0.0	0.0	-29.9	0.0
4- 5		69.9	-78.9	0.0	-2.8	-18.0	-12.4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	Si			8.1
1- 1	si	7	Tz				1.3
4- 5	si	5	Ty				5.3

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-69.9	0.0	0.0	-24.3	0.0
4- 5		46.6	-47.6	0.0	-2.8	-15.4	-12.4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	Si			4.7
1- 1	si	7	Tz				1.1
4- 5	si	5	Ty				3.3

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-29.7	0.0	0.0	-18.6	0.0
4- 5		23.3	-21.3	0.0	-2.8	-12.7	-12.4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	Si			2.0
1- 1	si	7	Tz				0.8
4- 5	si	5	Ty				1.6

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
5-12		0.0	0.0	0.0	-16.1	-10.0	4.5
1- 1		0.0	0.0	0.0	0.0	-13.0	0.0
4- 5		0.0	0.0	0.0	-2.8	-10.0	-12.4
4-16		0.0	0.0	0.0	-14.6	-10.0	12.4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-12	si	3	Sx	Si			0.3
1- 1	si	7	Tz				0.6
4- 5	si	5	Ty				0.5
4-16	si	6	Si				0.6

VERI F I C A S T A B I L I T A ` :

Z | LO = 15. | Ro = 11.55 | Im = 1.3 | Ncr=736930461.9 | al fa (c ) =0.4900 | ki =1.0000  
Y | Lc = 15. | Ro = 0.43 | Im = 34.6 | Ncr= 1036308.5 | al fa (c ) =0.4900 | ki =0.8687  
Caso 4-16 - Nodo 4 - Asse Y  
Ned = -14.6 | Mzeq = -139.7 | Myeq = -233.2 | Ss = -16.2 ( 0.005)

RETTANGOLARE\_S007 ( 7 ) stato li mi te ul ti mo - ASTA ( 281- 285) 231  
PROGR. 0.

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-533.9	0.0	0.0	-58.2	0.0
4- 5		148.8	-311.0	0.0	-1.7	-31.5	-9.9

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si			35.6
1- 1	si	7	Tz				2.5
4- 5	si	5	Ty				20.8

SOLLECI TAZI ONI :							
Caso		MZ	MY	MT	N	TZ	TY

1-1	0.0	-430.1	0.0	0.0	-52.5	0.0
4-5	130.2	-254.5	0.0	-1.7	-28.8	-9.9

TENSIONI (Sz=0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	Si	-28.7	0.0	0.0	28.7
1-1	si	7	Tz	Si	0.0	-1.3	0.0	2.3
4-5	si	5	Ty	Si	-17.0	0.0	0.2	17.0

----- PROGR. 4.

1-1	0.0	-336.9	0.0	0.0	-46.9	0.0
4-5	111.6	-203.1	0.0	-1.7	-26.1	-9.9

TENSIONI (Sz=0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	Si	-22.5	0.0	0.0	22.5
1-1	si	7	Tz	Si	0.0	-1.2	0.0	2.0
4-5	si	5	Ty	Si	-13.6	0.0	0.2	13.6

----- PROGR. 6.

1-1	0.0	-254.3	0.0	0.0	-41.2	0.0
4-5	93.0	-156.6	0.0	-1.7	-23.4	-9.9

TENSIONI (Sz=0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	Si	-17.0	0.0	0.0	17.0
1-1	si	7	Tz	Si	0.0	-1.0	0.0	1.8
4-5	si	5	Ty	Si	-10.5	0.0	0.2	10.5

----- PROGR. 8.

1-1	0.0	-182.2	0.0	0.0	-35.6	0.0
4-5	74.4	-115.2	0.0	-1.7	-20.7	-9.9

TENSIONI (Sz=0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	Si	-12.1	0.0	0.0	12.1
1-1	si	7	Tz	Si	0.0	-0.9	0.0	1.5
4-5	si	5	Ty	Si	-7.7	0.0	0.2	7.7

----- PROGR. 9.

1-1	0.0	-120.8	0.0	0.0	-29.9	0.0
4-5	55.8	-78.9	0.0	-1.7	-18.0	-9.9

TENSIONI (Sz=0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	Si	-8.1	0.0	0.0	8.1
1-1	si	7	Tz	Si	0.0	-0.7	0.0	1.3
4-5	si	5	Ty	Si	-5.3	0.0	0.2	5.3

----- PROGR. 11.

1-1	0.0	-69.9	0.0	0.0	-24.3	0.0
4-5	37.2	-47.6	0.0	-1.7	-15.4	-9.9

TENSIONI (Sz=0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	Si	-4.7	0.0	0.0	4.7
1-1	si	7	Tz	Si	0.0	-0.6	0.0	1.1
4-5	si	5	Ty	Si	-3.2	0.0	0.2	3.2

----- PROGR. 13.

1-1	0.0	-29.7	0.0	0.0	-18.6	0.0
4-5	18.6	-21.3	0.0	-1.7	-12.7	-9.9

TENSIONI (Sz=0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	Si	-2.0	0.0	0.0	2.0
1-1	si	7	Tz	Si	0.0	-0.5	0.0	0.8
4-5	si	5	Ty	Si	-1.4	0.0	0.2	1.5

----- PROGR. 15.

4-16	0.0	0.0	0.0	-18.5	-10.0	9.9
1-1	0.0	0.0	0.0	0.0	-13.0	0.0
4-5	0.0	0.0	0.0	-1.7	-10.0	-9.9

TENSIONI (Sz=0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
4-16	si	4	Sx	Si	-0.3	0.0	0.0	0.3
1-1	si	7	Tz	Si	0.0	-0.3	0.0	0.6
4-5	si	5	Ty	Si	0.0	0.0	0.2	0.4

VERIFICA STABILITA' :

Z | L0 = 15. | Ro = 11.55 | Im = 1.3 | Ncr=736930461.9 | al fa(c) =0.4900 | ki =1.0000  
Y | Lc = 15. | Ro = 0.43 | Im = 34.6 | Ncr= 1036308.5 | al fa(c) =0.4900 | ki =0.8687  
Caso 4-16 - Nodo 4 - Asse Y  
Ned = -18.5 | Mzeq = -111.6 | Myeq = -233.2 | Ss = -16.2 ( 0.005)

RETTANGOLARE\_S007 ( 7) stato limite ultimo - ASTA ( 286-28) 232  
----- PROGR. 0.

4-9	0.0	0.0	0.0	-10.1	10.0	-0.5
1-1	0.0	0.0	0.0	0.0	13.0	0.0
5-3	0.0	0.0	0.0	-3.0	10.0	-1.7

TENSIONI (Sz=0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
4-9	si	4	Sx	Si	-0.2	0.0	0.0	0.2
1-1	si	7	Tz	Si	0.0	0.3	0.0	0.6
5-3	si	5	Ty	Si	-0.1	0.0	0.0	0.1

----- PROGR. 2.

1-1	0.0	-29.7	0.0	0.0	18.6	0.0
5-3	-3.2	-21.3	0.0	-3.0	12.7	-1.7

TENSIONI (Sz=0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	Si	-2.0	0.0	0.0	2.0
1-1	si	7	Tz	Si	0.0	0.5	0.0	0.8
5-3	si	5	Ty	Si	-1.5	0.0	0.0	1.5

----- PROGR. 4.

1-1	0.0	-69.9	0.0	0.0	24.3	0.0
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TENSIONI (Sz=0.00) :	-6.4	-47.6	0.0	-3.0	15.4	-1.7
Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-120.8	0.0	0.0	29.9	0.0
5-3	-9.6	-78.9	0.0	-3.0	18.0	-1.7
TENSIONI (Sz=0.00) :	Sx	Tz	Ty	Si		
1-1	-4.7	0.0	0.0	4.7		
1-1	0.0	0.6	0.0	1.1		
5-3	-3.2	0.0	0.0	3.2		

SOLLECI TAZIONI : 6.

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-120.8	0.0	0.0	29.9	0.0
5-3	-9.6	-78.9	0.0	-3.0	18.0	-1.7

TENSIONI (Sz=0.00) :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-182.2	0.0	0.0	35.6	0.0
5-3	-12.8	-115.2	0.0	-3.0	20.7	-1.7

SOLLECI TAZIONI : 8.

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-182.2	0.0	0.0	35.6	0.0
5-3	-12.8	-115.2	0.0	-3.0	20.7	-1.7

TENSIONI (Sz=0.00) :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-254.3	0.0	0.0	41.2	0.0
5-3	-16.0	-156.6	0.0	-3.0	23.4	-1.7

SOLLECI TAZIONI : 9.

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-254.3	0.0	0.0	41.2	0.0
5-3	-16.0	-156.6	0.0	-3.0	23.4	-1.7

TENSIONI (Sz=0.00) :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-336.9	0.0	0.0	46.9	0.0
5-3	-19.2	-203.1	0.0	-3.0	26.1	-1.7

SOLLECI TAZIONI : 11.

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-336.9	0.0	0.0	46.9	0.0
5-3	-19.2	-203.1	0.0	-3.0	26.1	-1.7

TENSIONI (Sz=0.00) :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-430.1	0.0	0.0	52.5	0.0
5-3	-22.4	-254.5	0.0	-3.0	28.8	-1.7

SOLLECI TAZIONI : 13.

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-430.1	0.0	0.0	52.5	0.0
5-3	-22.4	-254.5	0.0	-3.0	28.8	-1.7

TENSIONI (Sz=0.00) :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-533.9	0.0	0.0	58.2	0.0
5-3	-25.6	-311.0	0.0	-3.0	31.5	-1.7

SOLLECI TAZIONI : 15.

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-533.9	0.0	0.0	58.2	0.0
5-3	-25.6	-311.0	0.0	-3.0	31.5	-1.7

TENSIONI (Sz=0.00) :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-695.8	0.0	0.0	64.8	0.0
5-3	-32.0	-407.1	0.0	-3.0	37.8	-1.7

VERIFICA STABILITA` :

Z | LO = 15. | Ro = 11.55 | Im = 1.3 | Ncr=736930461.9 | al fa(c)=0.4900 | ki=1.0000  
 Y | Lc = 15. | Ro = 0.43 | Im = 34.6 | Ncr= 1036308.5 | al fa(c)=0.4900 | ki=0.8687  
 Caso 4-9 - Nodo 4 - Asse Y  
 Ned = -10.1 | Mzeq = -5.8 | Myeq = -233.2 | Ss = -15.8 ( 0.005)

RETTANGOLARE\_S007 ( 7) stato limite ultimo - ASTA ( 28- 27) 233  
 0. PROGR.

SOLLECI TAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4-8	-31759.3	14524.4	1023.4	0.0	209.5	596.0
4-9	11542.9	-9307.4	317.6	0.0	-229.6	-183.9
1-1	-25342.6	7217.1	1291.5	0.0	10.0	510.3

TENSIONI (Sz=0.00) :

Caso	MZ	MY	MT	N	TZ	TY
4-8	0.0	-1047.7	0.0	35.0	1049.4	
4-9	0.0	-28.9	-5.7	0.0	30.5	
1-1	0.0	481.1	0.0	-56.9	491.1	

SOLLECI TAZIONI : 14.

Caso	MZ	MY	MT	N	TZ	TY
4-8	-23540.0	11551.7	1023.4	0.0	228.9	596.0
1-1	-18421.2	6804.1	1291.5	0.0	50.9	510.3

TENSIONI (Sz=0.00) :

Caso	MZ	MY	MT	N	TZ	TY
4-8	0.0	-829.0	0.0	35.0	831.2	
4-8	0.0	58.8	5.7	0.0	59.7	
1-1	0.0	453.6	0.0	-56.9	464.2	

SOLLECI TAZIONI : 27.

Caso	MZ	MY	MT	N	TZ	TY
4-8	-15322.8	8315.9	1023.4	0.0	248.3	596.0
1-1	-11499.9	5837.1	1291.5	0.0	91.7	510.3

TENSIONI (Sz=0.00) :

Caso	MZ	MY	MT	N	TZ	TY
4-8	0.0	-592.7	0.0	35.0	595.8	
4-8	0.0	38.3	6.2	0.0	39.8	
1-1	0.0	389.1	0.0	-56.9	401.4	

SOLLECI TAZIONI : 41.

Caso	MZ	MY	MT	N	TZ	TY
4-16	-6959.8	4817.2	979.4	0.0	264.2	606.2
4-8	-7113.5	4766.8	1023.4	0.0	267.7	596.0
1-1	-4578.6	4316.0	1291.5	0.0	132.6	510.3

4-15				-6967.2	4816.3	991.5	0.0	264.1	606.7
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
4-16	si	3	Sx	-338.5	0.0	33.5	343.5		
4-8	si	7	Tz	17.8	6.7	0.0	21.2		
1-1	si	5	Ty	287.7	0.0	-56.9	304.1		
4-15	si	3	Si	-338.5	0.0	33.9	343.6		

54.

SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1-1			2342.8	2240.8	1291.5	0.0	173.4	510.3	
4-8			1057.5	1046.4	1023.4	0.0	287.1	596.0	

TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	2	Sx	-155.2	0.0	44.1	173.0		
4-8	si	7	Tz	-2.6	7.2	0.0	12.7		
1-1	si	5	Ty	149.4	0.0	-56.9	179.0		
1-1	si	6	Si	-149.4	0.0	-56.9	179.0		

68.

SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
4-8			9165.9	-2973.0	1023.4	0.0	306.5	596.0	
1-1			9264.1	-388.5	1291.5	0.0	214.3	510.3	
4-7			9171.1	-2972.2	1035.5	0.0	306.5	596.5	

TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
4-8	si	1	Sx	-221.1	0.0	35.0	229.3		
4-8	si	7	Tz	-22.9	7.7	0.0	26.5		
1-1	si	5	Ty	-25.9	0.0	-56.9	101.9		
4-7	si	1	Si	-221.1	0.0	35.4	229.4		

81.

SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
4-8			17256.3	-7261.4	1023.4	0.0	325.9	596.0	
1-1			16185.5	-3571.9	1291.5	0.0	255.1	510.3	
4-7			17267.7	-7259.7	1035.5	0.0	325.9	596.5	

TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
4-8	si	1	Sx	-527.2	0.0	35.0	530.7		
4-8	si	7	Tz	-43.1	8.1	0.0	45.4		
1-1	si	5	Ty	-238.1	0.0	-56.9	257.7		
4-7	si	1	Si	-527.2	0.0	35.4	530.7		

95.

SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
4-8			25342.7	-11813.3	1023.4	0.0	345.3	596.0	
1-1			23106.8	-7309.3	1291.5	0.0	296.0	510.3	

TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
4-8	si	1	Sx	-850.9	0.0	35.0	853.1		
4-8	si	7	Tz	-63.4	8.6	0.0	65.1		
1-1	si	5	Ty	-487.3	0.0	-56.9	497.2		

108.

SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
4-8			33427.8	-16628.5	1023.4	0.0	364.8	596.0	
1-1			30028.1	-11600.9	1291.5	0.0	336.9	510.3	

TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
4-8	si	1	Sx	-1192.1	0.0	35.0	1193.7		
4-8	si	7	Tz	-83.6	9.1	0.0	85.0		
1-1	si	5	Ty	-773.4	0.0	-56.9	779.6		

ATTENZIONE : la snellezza supera il limite di 250.0

VERIFICA STABILITA' : asta tesa per tutti i casi di carico.

RETTANGOLARE_S007 ( 7 )	stato limite ultimo - ASTA ( 27- 287 )	234
		0.

SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1-1			0.0	-533.9	0.0	0.0	-58.2	0.0	
5-13			-22.9	-311.0	0.0	3.0	-31.5	1.5	

TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	1	Sx	-35.6	0.0	0.0	35.6		
1-1	si	7	Tz	0.0	-1.5	0.0	2.5		
5-13	si	5	Ty	-20.7	0.0	0.0	20.7		

2.

SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1-1			0.0	-430.1	0.0	0.0	-52.5	0.0	
5-13			-20.0	-254.5	0.0	3.0	-28.8	1.5	

TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	1	Sx	-28.7	0.0	0.0	28.7		
1-1	si	7	Tz	0.0	-1.3	0.0	2.3		
5-13	si	5	Ty	-16.9	0.0	0.0	16.9		

4.

SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1-1			0.0	-336.9	0.0	0.0	-46.9	0.0	
5-13			-17.2	-203.1	0.0	3.0	-26.1	1.5	

TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	1	Sx	-22.5	0.0	0.0	22.5		
1-1	si	7	Tz	0.0	-1.2	0.0	2.0		
5-13	si	5	Ty	-13.5	0.0	0.0	13.5		

6.

SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1-1			0.0	-254.3	0.0	0.0	-41.2	0.0	
5-13			-14.3	-156.6	0.0	3.0	-23.4	1.5	

TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massi	Sx	Tz	Ty	Si		
1-1	si	1	Sx	-17.0	0.0	0.0	17.0		
1-1	si	7	Tz	0.0	-1.0	0.0	1.8		
5-13	si	5	Ty	-10.4	0.0	0.0	10.4		

8.

SOLLECI TAZI ONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1-1			0.0	-182.2	0.0	0.0	-35.6	0.0	
5-13			-11.4	-115.2	0.0	3.0	-20.7	1.5	

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	1	Sx Si	-12.1	0.0	0.0	12.1
1-1	si	7	Tz	0.0	-0.9	0.0	1.5
5-13	si	5	Ty	-7.6	0.0	0.0	7.6

SOLLECI TAZI ONI : ----- PROGR. 9.

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-120.8	0.0	0.0	-29.9	0.0
5-13	-8.6	-78.9	0.0	3.0	-18.0	1.5

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	1	Sx Si	-8.1	0.0	0.0	8.1
1-1	si	7	Tz	0.0	-0.7	0.0	1.3
5-13	si	5	Ty	-5.2	0.0	0.0	5.2

SOLLECI TAZI ONI : ----- PROGR. 11.

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-69.9	0.0	0.0	-24.3	0.0
5-13	-5.7	-47.6	0.0	3.0	-15.4	1.5

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	1	Sx Si	-4.7	0.0	0.0	4.7
1-1	si	7	Tz	0.0	-0.6	0.0	1.1
5-13	si	5	Ty	-3.1	0.0	0.0	3.1

SOLLECI TAZI ONI : ----- PROGR. 13.

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-29.7	0.0	0.0	-18.6	0.0
5-13	-2.9	-21.3	0.0	3.0	-12.7	1.5

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
1-1	si	1	Sx Si	-2.0	0.0	0.0	2.0
1-1	si	7	Tz	0.0	-0.5	0.0	0.8
5-13	si	5	Ty	-1.4	0.0	0.0	1.4

SOLLECI TAZI ONI : ----- PROGR. 15.

Caso	MZ	MY	MT	N	TZ	TY
4-3	0.0	0.0	0.0	10.1	-10.0	-0.5
1-1	0.0	0.0	0.0	0.0	-13.0	0.0
5-13	0.0	0.0	0.0	3.0	-10.0	1.5

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-3	si	3	Sx Si	0.2	0.0	0.0	0.2
1-1	si	7	Tz	0.0	-0.3	0.0	0.6
5-13	si	5	Ty	0.1	0.0	0.0	0.1

VERI F I CA STABI LI TA` :

Z | LO = 15. | Ro = 11.55 | Im = 1.3 | Ncr=736930461.9 | al fa(c )=0.4900 | ki=1.0000  
 Y | Lc = 15. | Ro = 0.43 | Im = 34.6 | Ncr= 1036308.5 | al fa(c )=0.4900 | ki=0.8687  
 Caso 4-15 - Nodo 1 - Asse Y  
 Ned = -10.1 | Mzeq = 5.2 | Myeq = -233.2 | Ss = -15.8 ( 0.005)

RETTANGOLARE\_S008 ( 8) stato limite ultimo - ASTA ( 1- 2) 1  
 ----- PROGR. 0.

Caso	MZ	MY	MT	N	TZ	TY
4-15	0.0	0.0	0.0	-1379.3	-432.7	-508.3
5-16	0.0	0.0	0.0	-1203.2	-473.0	-224.1
4-2	0.0	0.0	0.0	384.3	278.6	1294.5

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
4-15	si	1	Sx Si	-26.3	0.0	0.0	26.3
5-16	si	7	Tz	-13.5	-13.5	0.0	32.8
4-2	si	5	Ty Si	7.3	0.0	-37.0	64.5

SOLLECI TAZI ONI : ----- PROGR. 6.

Caso	MZ	MY	MT	N	TZ	TY
5-12	-1880.6	2917.6	0.0	-1257.7	-471.5	-303.9
5-16	-1386.8	2926.3	0.0	-1200.7	-473.0	-224.1
4-2	8009.2	-1723.5	0.0	386.8	278.6	1294.5

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-12	si	3	Sx Si	-252.4	0.0	0.0	252.4
5-16	si	7	Tz	-18.3	-13.5	0.0	29.7
4-2	si	5	Ty	-123.9	0.0	-37.0	139.5

SOLLECI TAZI ONI : ----- PROGR. 12.

Caso	MZ	MY	MT	N	TZ	TY
5-12	-3761.1	5835.2	0.0	-1255.1	-471.5	-303.9
5-16	-2773.7	5852.6	0.0	-1198.1	-473.0	-224.1
4-2	16018.3	-3446.9	0.0	389.4	278.6	1294.5

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-12	si	3	Sx Si	-480.8	0.0	0.0	480.8
5-16	si	7	Tz	-13.8	-13.5	0.0	27.2
4-2	si	5	Ty	-255.2	0.0	-37.0	263.1

SOLLECI TAZI ONI : ----- PROGR. 19.

Caso	MZ	MY	MT	N	TZ	TY
5-12	-5641.7	8752.8	0.0	-1252.6	-471.5	-303.9
5-16	-4160.5	8778.9	0.0	-1195.6	-473.0	-224.1
4-2	24027.5	-5170.4	0.0	391.9	278.6	1294.5

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-12	si	3	Sx Si	-709.2	0.0	0.0	709.2
5-16	si	7	Tz	-9.2	-13.5	0.0	25.1
4-2	si	5	Ty	-386.5	0.0	-37.0	391.7

SOLLECI TAZI ONI : ----- PROGR. 25.

Caso	MZ	MY	MT	N	TZ	TY
5-12	-7522.2	11670.4	0.0	-1250.0	-471.5	-303.9
5-16	-5547.4	11705.2	0.0	-1193.0	-473.0	-224.1
4-2	32036.6	-6893.9	0.0	394.5	278.6	1294.5

TENSI ONI (Sz= 0.00) :

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si
5-12	si	3	Sx Si	-937.5	0.0	0.0	937.5
5-16	si	7	Tz	-4.6	-13.5	0.0	23.9
4-2	si	5	Ty	-517.7	0.0	-37.0	521.7

SOLLECI TAZI ONI : ----- PROGR. 31.

Caso	MZ	MY	MT	N	TZ	TY
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5-12			-9402.8	14588.0	0.0	-1247.5	-471.5	-303.9
5-16			-6934.2	14631.4	0.0	-1190.5	-473.0	-224.1
4-2			40045.8	-8617.4	0.0	397.0	278.6	1294.5
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si
5-12	si	3	Sx	Si	-1165.9	0.0	0.0	1165.9
5-16	si	7	Tz		0.0	-13.5	0.0	23.4
4-2	si	5	Ty		-649.0	0.0	-37.0	652.2

PROGR. 37.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
5-12			-11283.3	17505.6	0.0	-1244.9	-471.5	-303.9
5-16			-8321.1	17557.7	0.0	-1187.9	-473.0	-224.1
4-2			48054.9	-10340.8	0.0	399.6	278.6	1294.5
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si
5-12	si	3	Sx	Si	-1394.3	0.0	0.0	1394.3
5-16	si	7	Tz		4.5	-13.5	0.0	23.8
4-2	si	5	Ty		-780.3	0.0	-37.0	782.9

PROGR. 43.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
5-12			-13163.9	20423.2	0.0	-1242.4	-471.5	-303.9
5-16			-9707.9	20484.0	0.0	-1185.4	-473.0	-224.1
4-2			56064.1	-12064.3	0.0	402.1	278.6	1294.5
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si
5-12	si	3	Sx	Si	-1622.7	0.0	0.0	1622.7
5-16	si	7	Tz		9.1	-13.5	0.0	25.1
4-2	si	5	Ty		-911.5	0.0	-37.0	913.8

PROGR. 49.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
5-12			-15044.4	23340.8	0.0	-1239.8	-471.5	-303.9
5-16			-11094.8	23410.3	0.0	-1182.8	-473.0	-224.1
4-2			64073.2	-13787.8	0.0	404.7	278.6	1294.5
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si
5-12	si	3	Sx	Si	-1851.1	0.0	0.0	1851.1
5-16	si	7	Tz		13.7	-13.5	0.0	27.1
4-2	si	5	Ty		-1042.8	0.0	-37.0	1044.8

VERIFI CA STABI LI TA` :

Z | LO = 49. | Ro = 10.10 | Im = 4.9 | Ncr = 45336928.4 | al fa(c) = 0.4900 | ki = 1.0000 |  
 Y | Lc = 49. | Ro = 0.43 | Im = 114.3 | Ncr = 83271.9 | al fa(c) = 0.4900 | ki = 0.3158 |  
 Caso 5-12 - Nodo 3 - Asse Y  
 Ned = -1260.2 | Mzeq = -9026.7 | Myeq = 14004.5 | Ss = -1188.9 ( 0.352 )

RETTANGOLARE\_S008 ( 8 ) stato limite ultimo - ASTA ( 8- 9 ) 6  
 PROGR. 0.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
4-9			0.0	0.0	0.0	-1276.2	277.1	-920.8
5-16			0.0	0.0	0.0	-22.7	-445.5	238.5
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si
4-9	si	2	Sx		-24.3	0.0	0.0	24.3
5-16	si	7	Tz		-0.4	-12.7	0.0	22.0
4-9	si	5	Ty		-24.3	0.0	26.3	51.6
4-9	si	6	Si		-24.3	0.0	26.3	51.6

PROGR. 6.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
5-14			2838.5	2694.1	0.0	99.4	-435.4	458.8
5-16			1475.7	2756.3	0.0	-20.2	-445.5	238.5
4-9			-5697.3	-1714.6	0.0	-1273.7	277.1	-920.8
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si
5-14	si	4	Sx	Si	216.4	0.0	0.0	216.4
5-16	si	7	Tz		-5.2	-12.7	0.0	22.7
4-9	si	5	Ty		-154.9	0.0	26.3	161.5

PROGR. 12.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
5-14			5677.1	5388.1	0.0	102.0	-435.4	458.8
5-16			2951.4	5512.5	0.0	-17.6	-445.5	238.5
4-9			-11394.5	-3429.1	0.0	-1271.1	277.1	-920.8
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si
5-14	si	4	Sx	Si	431.0	0.0	0.0	431.0
5-16	si	7	Tz		-10.0	-12.7	0.0	24.2
4-9	si	5	Ty		-285.5	0.0	26.3	289.1

PROGR. 19.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
5-14			8515.6	8082.2	0.0	104.5	-435.4	458.8
5-16			4427.0	8268.8	0.0	-15.1	-445.5	238.5
4-9			-17091.8	-5143.7	0.0	-1268.6	277.1	-920.8
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si
5-14	si	4	Sx	Si	645.6	0.0	0.0	645.6
5-16	si	7	Tz		-14.7	-12.7	0.0	26.5
4-9	si	5	Ty		-416.1	0.0	26.3	418.6

PROGR. 25.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
5-14			11354.1	10776.2	0.0	107.1	-435.4	458.8
5-16			5902.7	11025.0	0.0	-12.5	-445.5	238.5
4-9			-22789.1	-6858.3	0.0	-1266.0	277.1	-920.8
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi	mi	Sx	Tz	Ty	Si
5-14	si	4	Sx	Si	860.2	0.0	0.0	860.2
5-16	si	7	Tz		-19.5	-12.7	0.0	29.4
4-9	si	5	Ty		-546.7	0.0	26.3	548.5

PROGR. 31.

SOLLECI TAZI ONI :								
Caso			MZ	MY	MT	N	TZ	TY
5-14			14192.6	13470.3	0.0	109.6	-435.4	458.8
5-16			7378.4	13781.3	0.0	-10.0	-445.5	238.5
4-9			-28486.3	-8572.9	0.0	-1263.5	277.1	-920.8
TENSIONI (Sz= 0.00) :								

Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-14	si	4	Sx	1074.7	0.0	0.0	1074.7	
5-16	si	7	Tz	-24.3	-12.7	0.0	32.8	
4-9	si	5	Ty	-677.2	0.0	26.3	678.8	
----- PROGR.								37.
SOLLECI TAZI ONI :								
Caso	Ve	No	MZ	MY	MT	N	TZ	TY
5-14			17031.2	16164.3	0.0	112.2	-435.4	458.8
5-16			8854.1	16537.5	0.0	-7.4	-445.5	238.5
4-9			-34183.6	-10287.4	0.0	-1260.9	277.1	-920.8
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-14	si	4	Sx	1289.3	0.0	0.0	1289.3	
5-16	si	7	Tz	-29.1	-12.7	0.0	36.5	
4-9	si	5	Ty	-807.8	0.0	26.3	809.1	
----- PROGR.								43.
SOLLECI TAZI ONI :								
Caso	Ve	No	MZ	MY	MT	N	TZ	TY
5-14			19869.7	18858.4	0.0	114.7	-435.4	458.8
5-16			10329.7	19293.8	0.0	-4.9	-445.5	238.5
4-9			-39880.9	-12002.0	0.0	-1258.4	277.1	-920.8
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-14	si	4	Sx	1503.9	0.0	0.0	1503.9	
5-16	si	7	Tz	-33.8	-12.7	0.0	40.4	
4-9	si	5	Ty	-938.4	0.0	26.3	939.5	
----- PROGR.								49.
SOLLECI TAZI ONI :								
Caso	Ve	No	MZ	MY	MT	N	TZ	TY
5-16			11805.4	22050.1	0.0	-2.3	-445.5	238.5
4-9			-45578.2	-13716.6	0.0	-1255.8	277.1	-920.8
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massi mi	Sx	Tz	Ty	Si	
5-16	si	2	Sx	-1718.6	0.0	0.0	1718.6	
5-16	si	7	Tz	-38.6	-12.7	0.0	44.4	
4-9	si	5	Ty	-1069.0	0.0	26.3	1070.0	

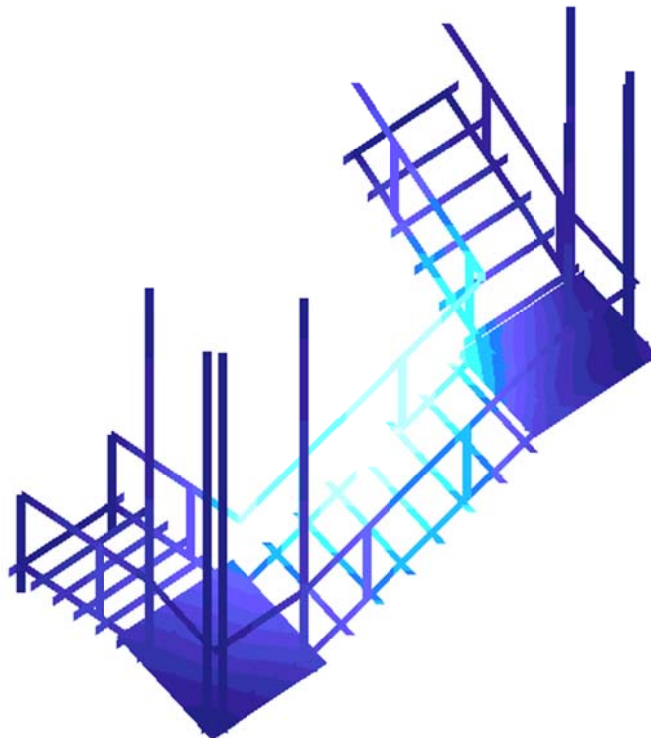
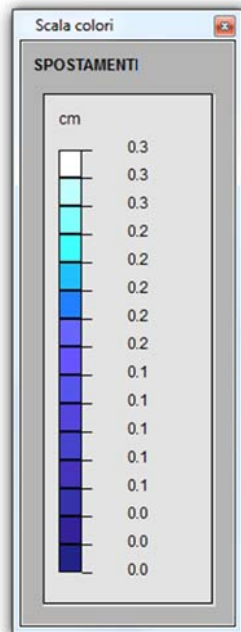
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VERI FI CA STABI LI TA` :

Z | LO = 49. | Ro = 10.10 | Im = 4.9 | Ncr= 45336928.4 | al fa(c )=0.4900 | ki =1.0000 |  
Y | Lc = 49. | Ro = 0.43 | Im = 114.3 | Ncr= 83271.9 | al fa(c )=0.4900 | ki =0.3158 |  
Caso 5-16 - Nodo 2 - Asse Y  
Ned = -22.7 | Mzeq = 7083.3 | Myeq = 13230.0 | Ss = -1032.8 ( 0.305 )

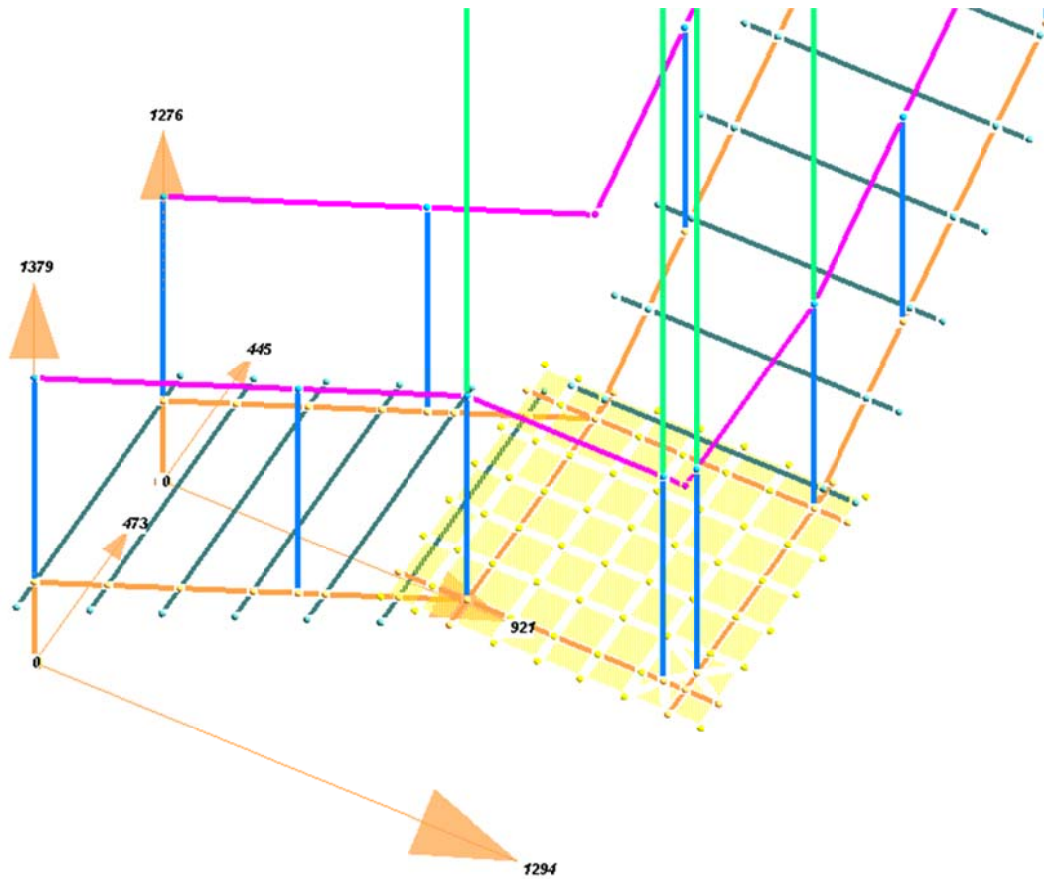
### 1.2.5 Calcolo dello stato deformativo

Si riporta il diagramma degli spostamenti verticali in combinazione frequente.



### 1.2.6 Calcolo connessioni a terra


Si riporta l'involuppo a SLU/SLV delle reazioni vincolari alla base della scala:



La piastra di base ha dimensioni  $40 \times 15 \text{ cm}^2$ . Il valore di tensione di contatto con il cls è pari a:

$$\sigma_{\max} = 1379 / (40 \times 15) = 2.3 \text{ daN/cm}^2$$

La connessione a terra viene realizzata con i seguenti tasselli chimici o equivalenti:




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<b>Profis Anchor 2.4.9</b> 1 17/01/2017	

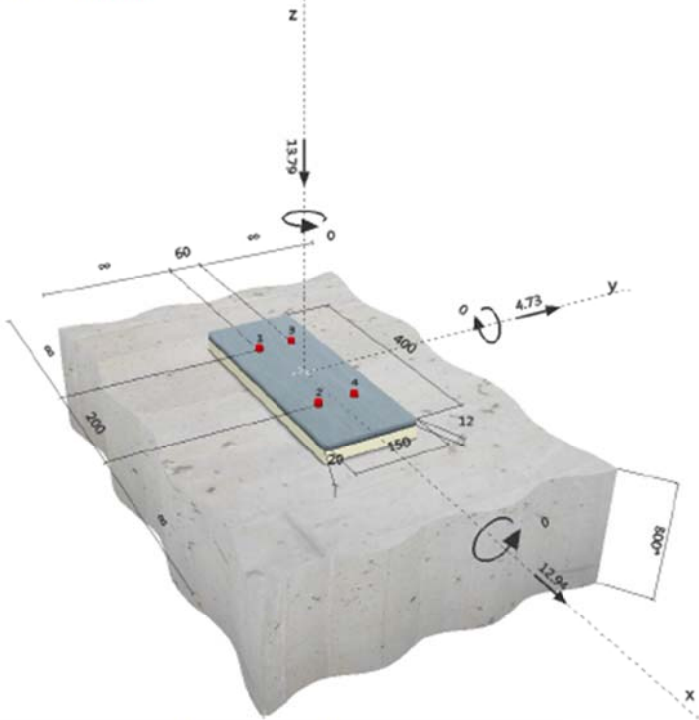
Commenti del progettista:

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**1 Dati da inserire**

Tipo e dimensione dell'ancorante:	HIT-HY 200-A + HIT-Z M12	
Profondità di posa effettiva:	$h_{\text{eff}} = 60 \text{ mm}$ ( $h_{\text{eff}} = 144 \text{ mm}$ )	
Materiale:	DIN EN ISO 4042	
Certificazione No.:	ETA 12/0006	
Emesso   Validò:	15/03/2013   10/02/2017	
Prova:	metodo di calcolo ETAG BOND (EOTA TR 029)	
Fissaggio distanziato:	senza serraggio (ancorante); livello di incastro (piastra di base): 2.00; $e_s = 20 \text{ mm}$ ; $t = 12 \text{ mm}$ Malta Hilti: , multiuso, $f_{c,0\text{malta}} = 30.00 \text{ N/mm}^2$	
Piastra d'ancoraggio:	$l_x \times l_y \times t = 400 \text{ mm} \times 150 \text{ mm} \times 12 \text{ mm}$ ; (Spessore della piastra raccomandato: non calcolato)	
Profilo:	nessun profilo	
Materiale base:	fessurato calcestruzzo, C25/30, $f_{\text{cm}} = 30.00 \text{ N/mm}^2$ ; $h = 800 \text{ mm}$ , Temp. Breve/Lungo: 0/0 °C	
Installazione:	Foro eseguito con perforatore, Condizioni di installazione: asciutto	
Armatura:	nessuna armatura o interasse tra le armature $\geq 150 \text{ mm}$ (qualunque $\emptyset$ ) o $\geq 100 \text{ mm}$ ( $\emptyset \leq 10 \text{ mm}$ ) senza armatura di bordo longitudinale	

**Geometria [mm] & Carichi [kN, kNm]**



Si dovrà verificare la corrispondenza dei dati inseriti e dei risultati con la situazione reale effettiva e la loro plausibilità!  
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E-mail:

Pagina: 2  
Progetto:  
Contratto N°:  
Data: 17/01/2017

## 2 Condizione di carico/Carichi risultanti sull'ancorante

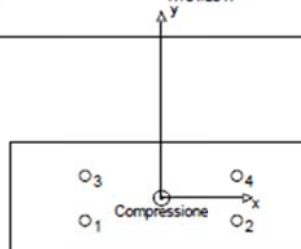
Condizione di carico: Carichi di progetto

### Carichi sull'ancorante [kN]

Trazione: (+ Trazione, - Compressione)

Ancorante	Trazione	Taglio	Taglio in dir. x	Taglio in dir. y
1	0.000	3.444	3.235	1.183
2	0.000	3.444	3.235	1.183
3	0.000	3.444	3.235	1.183
4	0.000	3.444	3.235	1.183

Compressione max. nel calcestruzzo: 0.01 [‰]  
Max. sforzo di compressione nel calcestruzzo: 0.23 [N/mm<sup>2</sup>]  
risultante delle forze di trazione nel (x|y)=(0|0): 0.000 [kN]  
risultante delle forze di compressione (x|y)=(0|0): 13.790 [kN]



## 3 Carico di trazione (EOTA TR 029, Sezione 5.2.2)

	Carico [kN]	Resistenza [kN]	Utilizzo $\beta_s$ [%]	Stato
Rottura dell'acciaio*	N/A	N/A	N/A	N/A
Rottura combinata conica del calcestruzzo e per sfilamento**	N/A	N/A	N/A	N/A
Rottura conica del calcestruzzo**	N/A	N/A	N/A	N/A
Fessurazione**	N/A	N/A	N/A	N/A

\*ancorante più sollecitato \*\*gruppo di ancoranti (ancoranti sollecitati)





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Pagina:

3

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Progetto:

Contratto N°:

Data:

17/01/2017

## 4 Carico di taglio (EOTA TR 029, Sezione 5.2.3)

	Carico [kN]	Resistenza [kN]	Utilizzo $\beta_w$ [%]	Stato
Rottura dell'acciaio (senza braccio di leva)*	N/A	N/A	N/A	N/A
Rottura dell'acciaio (con braccio di leva)*	3.444	4.250	82	OK
Rottura per pryout**	13.777	65.167	22	OK
Rottura del bordo del calcestruzzo in direzione **	N/A	N/A	N/A	N/A

\*ancorante più sollecitato \*\*gruppo di ancoranti (ancoranti specifici)

## 4.1 Rottura dell'acciaio (con braccio di leva)

$l$ [mm]	$\alpha_w$			
32	2.00			
$N_{t,R} / N_{t,R,s}$	$1 - N_{t,R} / N_{t,R,s}$	$M_{t,R}^0$ [kNm]	$M_{t,R,s} = M_{t,R}^0 (1 - N_{t,R} / N_{t,R,s})$ [kNm]	
0.000	1.000	0.085	0.085	
$V_{t,R,s}^M = \alpha_w \cdot M_{t,R}^0 / l$ [kN]		$V_{t,R,s}^V$ [kN]	$V_{t,R}^M$ [kN]	$V_{t,R}^V$ [kN]
5.313		1.250	4.250	3.444

## 4.2 Rottura per pryout (cono del calcestruzzo)

$A_{c,N}$ [mm <sup>2</sup> ]	$A_{c,N}^0$ [mm <sup>2</sup> ]	$c_{t,N}$ [mm]	$s_{t,N}$ [mm]	k-factor	$k_1$
82400	32400	90	180	2.000	7.200
$e_{t1,N}$ [mm]	$e_{t1,N}^0$ [mm]	$e_{t2,N}$ [mm]	$e_{t2,N}^0$ [mm]	$\gamma_{t,R}$	$\gamma_{t,R}^0$
0	1.000	0	1.000	1.000	1.000
$N_{t,R}^0$ [kN]	$V_{t,R}^0$ [kN]	$V_{t,R}^M$ [kN]	$V_{t,R}^V$ [kN]		
13.328	1.500	65.167	13.777		

## 5 Spostamenti (ancorante più sollecitato)

Carichi a breve termine:

$N_{sk}$ = 0.000 [kN]	$\delta_{sk}$ = 0.000 [mm]
$V_{sk}$ = 2.551 [kN]	$\delta_{sk}^V$ = 0.128 [mm]
	$\delta_{sk}^M$ = 0.128 [mm]

Carichi a lungo termine:

$N_{sk}$ = 0.000 [kN]	$\delta_{sk}$ = 0.000 [mm]
$V_{sk}$ = 2.551 [kN]	$\delta_{sk}^V$ = 0.204 [mm]
	$\delta_{sk}^M$ = 0.204 [mm]

Commenti: Gli spostamenti a trazione risultano validi con metà del valore della coppia di serraggio richiesta per non fessurato calcestruzzo!  
 Gli spostamenti a taglio sono validi trascurando l'attrito tra il calcestruzzo e la piastra d'ancoraggio! Lo spazio derivante dal foro eseguito con perforatore e dalle tolleranze dei fori non viene considerato in questo calcolo!

Gli spostamenti ammissibili dell'ancorante dipendono dalla struttura fissata e devono essere definiti dal progettista!

## 6 Attenzione

- Fenomeni di redistribuzione dei carichi sugli ancoranti derivanti da eventuali deformazioni elastiche della piastra non sono presi in considerazione. Si assume una piastra di ancoraggio sufficientemente rigida in modo che non risulti deformabile sotto l'azione di carichi!
- La verifica del trasferimento dei carichi nel materiale base è necessaria in accordo all'EOTA TR 029 sezione 7!
- Il calcolo è valido solo se le dimensioni dei fori sulla piastra non superano i valori indicati nella Tabella 4.1 da EOTA TR029! Per diametri dei fori superiori vedere il capitolo 1.1 dell'EOTA TR029!
- La lista accessori inclusa in questo report di calcolo è da ritenersi solo come informativa dell'utente. In ogni caso, le istruzioni d'uso fornite con il prodotto dovranno essere rispettate per garantire una corretta installazione.
- L'adesione chimica caratteristica dipende dalle temperature di breve e di lungo periodo.
- L'armatura di bordo non è necessaria per evitare la modalità di rottura per fessurazione (splitting).

Si dovrà verificare la corrispondenza dei dati Hilti e dei risultati con la situazione reale effettiva e le loro plausibilità!  
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Pagina:

Progetto:

Contratto N°:

Data:

4

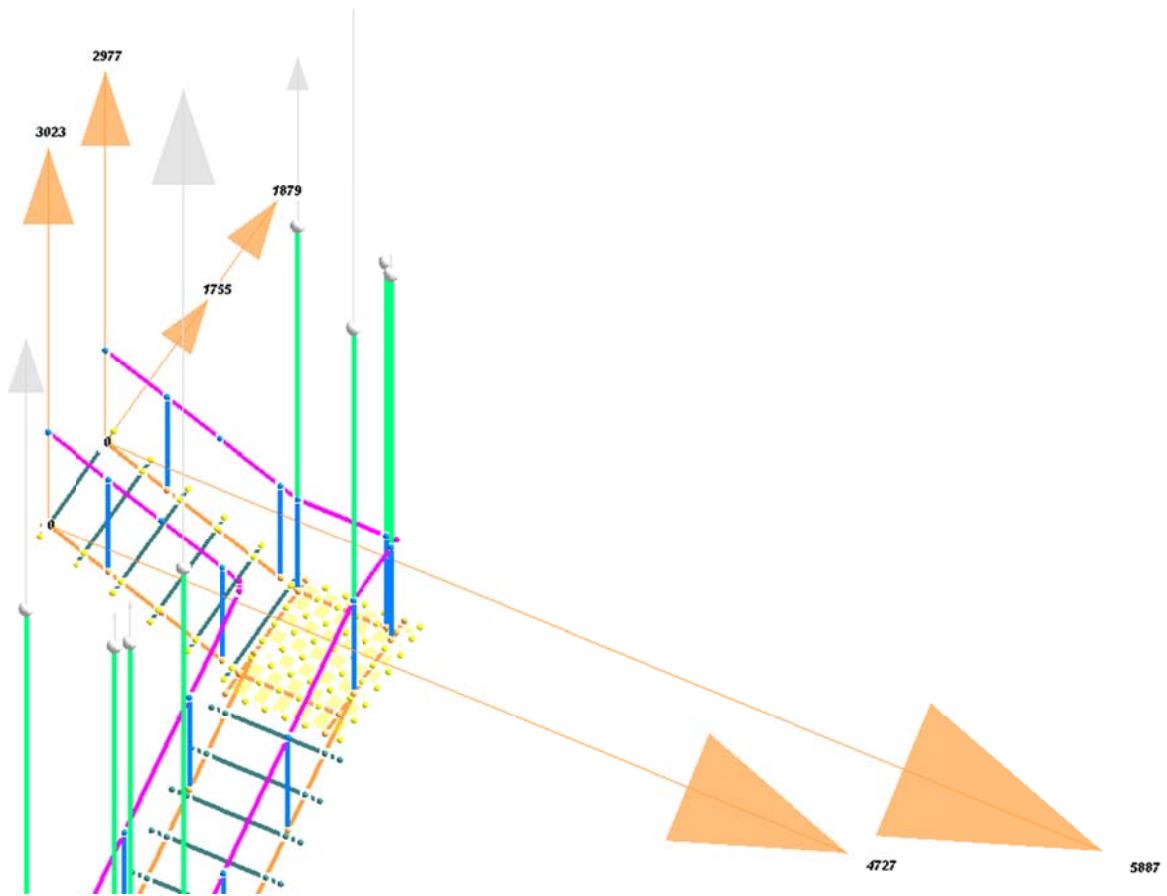
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**L'ancoraggio risulta verificato!**

Si dovrà verificare la corrispondenza dei dati inseriti e dei risultati con la situazione reale effettiva e la loro plausibilità!  
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### 1.2.7 Calcolo connessioni in sommità

Si riporta l'involuppo a SLU/SLV delle reazioni vincolari alla base della scala:





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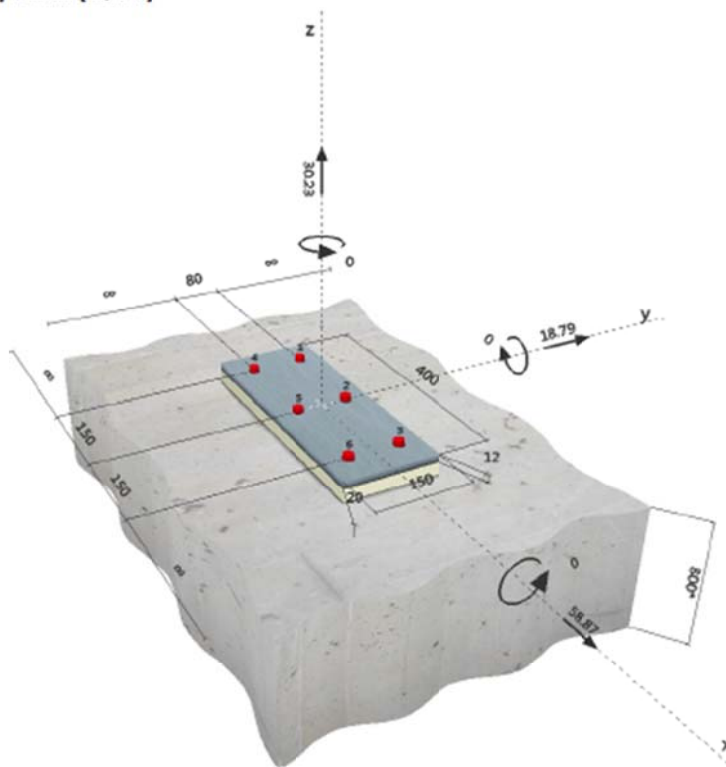
Pagina: 1  
Progetto:  
Contratto N°:  
Data: 17/01/2017

Commenti del progettista:

### 1 Dati da inserire

Tipo e dimensione dell'ancorante:	HIT-HY 200-A + HIS-N + 8.8 M16	
Profondità di posa effettiva:	$h_{\text{eff,act}} = 170 \text{ mm}$ , $h_{\text{eff,min}} = 170 \text{ mm}$	
Materiale:	8.8	
Certificazione No.:	ETA 11/0493	
Emesso   Validato:	08/08/2012   23/12/2016	
Prova:	metodo di calcolo ETAG BOND (EOTA TR 029)	
Fissaggio distanziato:	senza serraggio (ancorante); livello di incastro (piastra di base): 2.00; $e_s = 20 \text{ mm}$ ; $t = 12 \text{ mm}$	
Piastra d'ancoraggio:	Malta Hilti: , multiuso, $f_{c,0,mod} = 30.00 \text{ N/mm}^2$	
Profilo:	$l_x \times l_y \times t = 400 \text{ mm} \times 150 \text{ mm} \times 12 \text{ mm}$ ; (Spessore della piastra raccomandato: non calcolato)	
Materiale base:	nessun profilo	
Installazione:	fessurato calcestruzzo, C25/30, $f_{cm} = 30.00 \text{ N/mm}^2$ ; $h = 800 \text{ mm}$ , Temp. Breve/Lungo: 0/0 °C	
Armatura:	Foro eseguito con perforatore, Condizioni di installazione: asciutto	
	nessuna armatura o interasse tra le armature $\geq 150 \text{ mm}$ (qualunque $\varnothing$ ) o $\geq 100 \text{ mm}$ ( $\varnothing \leq 10 \text{ mm}$ )	
	senza armatura di bordo longitudinale	

Geometria [mm] & Carichi [kN, kNm]



Si dovrà verificare la corrispondenza dei dati inseriti e dei risultati con la situazione reale effettiva e la loro plausibilità!  
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Pagina: 2

Progetto:

Contratto N°:

Data:

17/01/2017

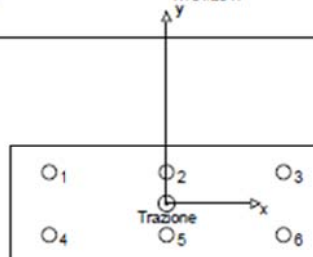
## 2 Condizione di carico/Carichi risultanti sull'ancorante

Condizione di carico: Carichi di progetto

### Carichi sull'ancorante [kN]

Trazione: (+ Trazione, - Compressione)

Ancorante	Trazione	Taglio	Taglio in dir. x	Taglio in dir. y
1	5.038	10.299	9.812	3.132
2	5.038	10.299	9.812	3.132
3	5.038	10.299	9.812	3.132
4	5.038	10.299	9.812	3.132
5	5.038	10.299	9.812	3.132
6	5.038	10.299	9.812	3.132



Compressione max. nel calcestruzzo: - [%]  
 Max. sforzo di compressione nel calcestruzzo: - [N/mm<sup>2</sup>]  
 risultante delle forze di trazione nel (x/y)=(0/0): 30.230 [kN]  
 risultante delle forze di compressione (x/y)=(0/0): 0.000 [kN]

## 3 Carico di trazione (EOTA TR 029, Sezione 5.2.2)

	Carico [kN]	Resistenza [kN]	Utilizzo $\beta_s$ [%]	Stato
Rottura dell'acciaio*	5.038	80.272	7	OK
Rottura combinata conica del calcestruzzo e per sfilamento**	30.230	116.315	26	OK
Rottura conica del calcestruzzo**	30.230	107.071	29	OK
Fessurazione**	N/A	N/A	N/A	N/A

\*ancorante più sollecitato \*\*gruppo di ancoranti (ancoranti sollecitati)

### 3.1 Rottura dell'acciaio

$N_{Rp,s}$ [kN]	$\gamma_{M,s}$	$N_{Rk,s}$ [kN]	$N_{Ed,s}$ [kN]
118.000	1.470	80.272	5.038

### 3.2 Rottura combinata conica del calcestruzzo e per sfilamento

$A_{0,N}$ [mm <sup>2</sup> ]	$A_{0,N}^c$ [mm <sup>2</sup> ]	$\tau_{Rk,029,26}$ [N/mm <sup>2</sup> ]	$s_{01,Np}$ [mm]	$c_{01,Np}$ [mm]	$c_{02,N}$ [mm]
477900	260100	13.00	510	255	0
$\gamma_{M,s}$	$\tau_{Rk,029}$ [N/mm <sup>2</sup> ]	k	$\gamma_{M,Np}$	$\gamma_{M,N}$	
1.000	7.00	2.300	1.000	1.000	
$e_{01,N}$ [mm]	$\gamma_{M,c1,N}$	$e_{02,N}$ [mm]	$\gamma_{M,c2,N}$	$\gamma_{M,N}$	$\gamma_{M,N}$
0	1.000	0	1.000	1.000	1.000
$N_{Rp,s}$ [kN]	$N_{Rk,s}$ [kN]	$\gamma_{M,s}$	$N_{Ed,s}$ [kN]	$N_{Ed}$ [kN]	
94.658	174.473	1.500	116.315	30.230	

### 3.3 Rottura conica del calcestruzzo

$A_{0,N}$ [mm <sup>2</sup> ]	$A_{0,N}^c$ [mm <sup>2</sup> ]	$c_{01,N}$ [mm]	$s_{01,N}$ [mm]			
477900	260100	255	510			
$e_{01,N}$ [mm]	$\gamma_{M,c1,N}$	$e_{02,N}$ [mm]	$\gamma_{M,c2,N}$	$\gamma_{M,N}$	$\gamma_{M,N}$	$k_1$
0	1.000	0	1.000	1.000	1.000	7.200
$N_{Rp,s}$ [kN]	$\gamma_{M,s}$	$N_{Rk,s}$ [kN]	$N_{Ed,s}$ [kN]	$N_{Ed}$ [kN]		
87.411	1.500	107.071	30.230			

Si dovrà verificare la corrispondenza dei dati inseriti e dei risultati con la situazione reale effettiva e la loro plausibilità  
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|

Pagina: 3  
Progetto:  
Contratto N°:  
Data: 17/01/2017

#### 4 Carico di taglio (EOTA TR 029, Sezione 5.2.3)

	Carico [kN]	Resistenza [kN]	Utilizzo $\beta_v$ [%]	Stato
Rottura dell'acciaio (senza braccio di leva)*	N/A	N/A	N/A	N/A
Rottura dell'acciaio (con braccio di leva)*	10.299	11.732	88	OK
Rottura per pryout**	61.796	214.142	29	OK
Rottura del bordo del calcestruzzo in direzione **	N/A	N/A	N/A	N/A

\*ancorante più sollecitato \*\*gruppo di ancoranti (ancoranti specifici)

##### 4.1 Rottura dell'acciaio (con braccio di leva)

$l$ [mm]	$\alpha_M$	$M_{Ed}^c$ [kNm]	$M_{Ed,s} = M_{Ed}^c (1 - N_{Ed}/N_{Ed,s})$ [kNm]
34	2.00	0.266	0.249
$N_{Ed} / N_{Ed,s}$	$1 - N_{Ed} / N_{Ed,s}$	$M_{Ed}^c$ [kNm]	$M_{Ed,s} = M_{Ed}^c (1 - N_{Ed}/N_{Ed,s})$ [kNm]
0.063	0.937	0.266	0.249
$V_{Ed,s}^M = \alpha_M \cdot M_{Ed,s} / l$ [kN]	$\gamma_{M2,V}$	$V_{Ed,s}^M$ [kN]	$V_{Ed}$ [kN]
14.665	1.250	11.732	10.299

##### 4.2 Rottura per pryout (cono del calcestruzzo)

$A_{c,N}$ [mm <sup>2</sup> ]	$A_{c,N}^0$ [mm <sup>2</sup> ]	$c_{cr,N}$ [mm]	$s_{cr,N}$ [mm]	k-factor	$k_1$
477600	260100	256	510	2.000	7.200
$e_{cr,V}$ [mm]	$\gamma_{M2,N}$	$e_{cr,V}$ [mm]	$\gamma_{M2,N}$	$\gamma_{M2,N}$	$\gamma_{M2,N}$
0	1.000	0	1.000	1.000	1.000
$N_{Ed,s}^0$ [kN]	$\gamma_{M2,P}$	$V_{Ed,cr}$ [kN]	$V_{Ed}$ [kN]		
87.411	1.500	214.142	61.796		

#### 5 Carichi combinati di trazione e di taglio (EOTA TR 029, Sezione 5.2.4)

$\beta_N$	$\beta_V$	$\alpha$	Utilizzo $\beta_{N,V}$ [%]	Stato
0.282	0.878	1.000	97	OK

$(\beta_N + \beta_V) / 1.2 \leq 1$

#### 6 Spostamenti (ancorante più sollecitato)

Carichi a breve termine:

$N_{Ed}$ = 3.732 [kN]	$\delta_N$ = 0.030 [mm]
$V_{Ed}$ = 7.629 [kN]	$\delta_V$ = 0.305 [mm]
	$\delta_{N,V}$ = 0.307 [mm]

Carichi a lungo termine:

$N_{Ed}$ = 3.732 [kN]	$\delta_N$ = 0.044 [mm]
$V_{Ed}$ = 7.629 [kN]	$\delta_V$ = 0.458 [mm]
	$\delta_{N,V}$ = 0.460 [mm]

Commenti: Gli spostamenti a trazione risultano validi con metà del valore della coppia di serraggio richiesta per non fessurato calcestruzzo! Gli spostamenti a taglio sono validi trascurando l'attrito tra il calcestruzzo e la piastra d'ancoraggio! Lo spazio derivante dal foro eseguito con perforatore e dalle tolleranze dei fori non viene considerato in questo calcolo!

Gli spostamenti ammissibili dell'ancorante dipendono dalla struttura fissata e devono essere definiti dal progettista!



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4

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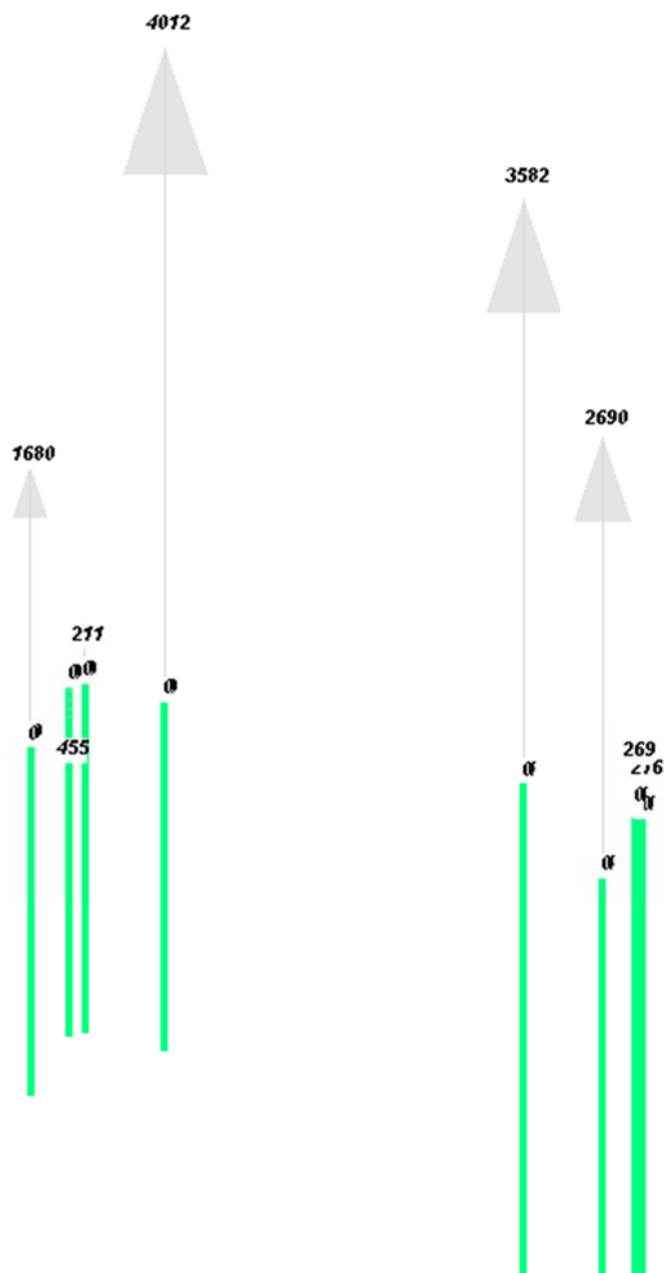
## 7 Attenzione

- Fenomeni di redistribuzione dei carichi sugli ancoranti derivanti da eventuali deformazioni elastiche della piastra non sono presi in considerazione. Si assume una piastra di ancoraggio sufficientemente rigida in modo che non risulti deformabile sotto l'azione di carichi!
- La verifica del trasferimento dei carichi nel materiale base è necessaria in accordo all'EOTA TR 029 sezione 7!
- Il calcolo è valido solo se le dimensioni dei fori sulla piastra non superano i valori indicati nella Tabella 4.1 da EOTA TR029! Per diametri dei fori superiori vedere il capitolo 1.1 dell'EOTA TR029!
- La lista accessori inclusa in questo report di calcolo è da ritenersi solo come informativa dell'utente. In ogni caso, le istruzioni d'uso fornite con il prodotto dovranno essere rispettate per garantire una corretta installazione.
- La pulizia del foro deve essere effettuata in conformità alle istruzioni di posa (soffiare con aria compressa due volte (min. 6 bar), spazzolare due volte, soffiare con aria compressa due volte (min. 6 bar)).
- L'adesione chimica caratteristica dipende dalle temperature di breve e di lungo periodo.
- L'armatura di bordo non è necessaria per evitare la modalità di rottura per fessurazione (splitting)


**L'ancoraggio risulta verificato!**

### 1.2.8 Calcolo connessioni in sommità dei tiranti

Si riporta l'involuppo a SLU/SLV delle reazioni vincolari in sommità ai tiranti:







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Progettista:		Progetto:	
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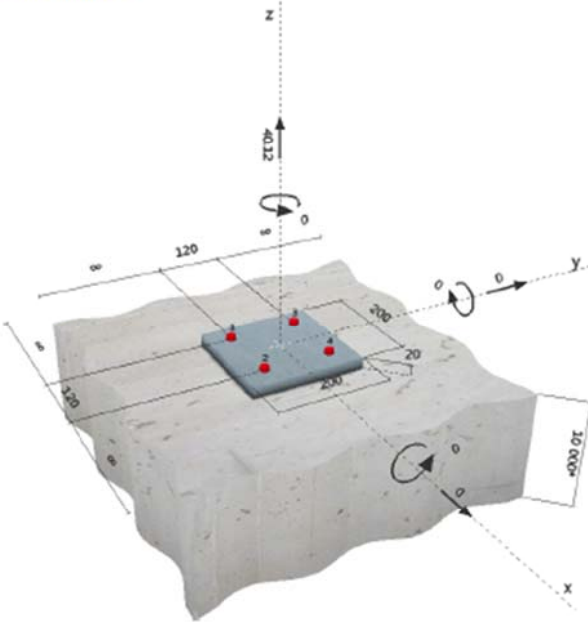
Comenti del progettista:

---

**1 Dati da inserire**

<b>Tipo e dimensione dell'ancorante:</b>	HIT-HY 200-A + HIT-Z M18	
<b>Profondità di posa effettiva:</b>	$f_{eff} = 96 \text{ mm}$ ( $f_{eff,lim} = 192 \text{ mm}$ )	
<b>Materiale:</b>	DIN EN ISO 4042	
<b>Certificazione No.:</b>	ETA 12/0006	
<b>Emesso / Valido:</b>	15/03/2013   10/02/2017	
<b>Prova:</b>	metodo di calcolo ETAG BOND (EOTA TR 029)	
<b>Fissaggio distanziato:</b>	$e_s = 0 \text{ mm}$ (Senza distanziamento); $t = 20 \text{ mm}$	
<b>Piastra d'ancoraggio:</b>	$l, x, y, t = 200 \text{ mm} \times 200 \text{ mm} \times 20 \text{ mm}$ ; (Spessore della piastra raccomandato: non calcolato)	
<b>Profilo:</b>	nessun profilo	
<b>Materiale base:</b>	fessurato calcestruzzo, C25/30, $f_{ctd} = 30,00 \text{ N/mm}^2$ ; $h = 10000 \text{ mm}$ , Temp. Breve/Lungo: D/D °C	
<b>Installazione:</b>	Foro eseguito con perforatore, Condizioni di installazione: asciutto	
<b>Armatura:</b>	nessuna armatura o interasse tra le armature $\geq 150 \text{ mm}$ (qualunque Ø) o $\geq 100 \text{ mm}$ (Ø $\leq 10 \text{ mm}$ ) senza armatura di bordo longitudinale	

**Geometria [mm] & Carichi [kN, kNm]**



Si dovrà verificare la corrispondenza dei dati inseriti e dei risultati con la situazione reale effettiva e la loro plausibilità!  
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E-mail:

Pagina: 2  
Progetto:  
Contratto N°:  
Data: 30/03/2018

**2 Condizione di carico/Carichi risultanti sull'ancorante**

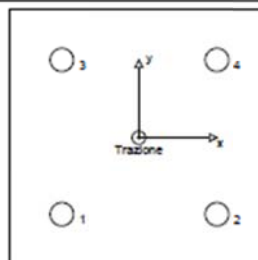
Condizione di carico: Carichi di progetto

Carichi sull'ancorante [kN]

Trazione: (+ Trazione, - Compressione)

Ancorante	Trazione	Taglio	Taglio in dir. x	Taglio in dir. y
1	10.030	0.000	0.000	0.000
2	10.030	0.000	0.000	0.000
3	10.030	0.000	0.000	0.000
4	10.030	0.000	0.000	0.000

Compressione max. nel calcestruzzo: - [kN]  
Max. sforzo di compressione nel calcestruzzo: - [N/mm<sup>2</sup>]  
risultante delle forze di trazione nel (x/y)=(0/0): 40.120 [kN]  
risultante delle forze di compressione (x/y)=(0/0): 0.000 [kN]



**3 Carico di trazione (EOTA TR 029, Sezione 5.2.2)**

	Carico [kN]	Resistenza [kN]	Utilizzo p <sub>st</sub> [%]	Stato
Rottura dell'acciaio*	10.030	64.000	16	OK
Rottura combinata conica del calcestruzzo e per sfaldamento**	40.120	142.039	29	OK
Rottura conica del calcestruzzo**	40.120	49.630	81	OK
Fessurazione**	N/A	N/A	N/A	N/A

\*ancorante più sollecitato \*\*gruppo di ancoranti (ancoranti sollecitati)

**3.1 Rottura dell'acciaio**

N <sub>02,9</sub> [kN]	γ <sub>M,2</sub>	N <sub>02,9</sub> [kN]	N <sub>02,9</sub> [kN]
96.000	1.500	64.000	10.030

**3.2 Rottura combinata conica del calcestruzzo e per sfaldamento**

A <sub>0,2</sub> [mm <sup>2</sup> ]	A <sub>0,2</sub> <sup>0</sup> [mm <sup>2</sup> ]	σ <sub>0,2,9</sub> [N/mm <sup>2</sup> ]	ε <sub>0,2,9</sub> [mm]	c <sub>0,2,9</sub> [mm]	c <sub>0,2</sub> [mm]	f <sub>ur,0,2,9</sub> [mm]
166464	82944	24.00	288	144	=	96

γ <sub>M</sub>	σ <sub>0,2,9</sub> [N/mm <sup>2</sup> ]	k	γ <sub>M,0,2</sub>	γ <sub>M,0,2</sub>
1.000	22.00	2.300	1.000	1.000

ε <sub>0,2,9</sub> [mm]	γ <sub>M,0,2</sub>	ε <sub>0,2,9</sub> [mm]	γ <sub>M,0,2</sub>	γ <sub>M,0,2</sub>
0	1.000	0	1.000	1.000

N <sub>02,9</sub> [kN]	N <sub>02,9</sub> [kN]	γ <sub>M,2</sub>	N <sub>02,9</sub> [kN]	N <sub>02,9</sub> [kN]
106.161	213.059	1.500	142.039	40.120

**3.3 Rottura conica del calcestruzzo**

A <sub>0,2</sub> [mm <sup>2</sup> ]	A <sub>0,2</sub> <sup>0</sup> [mm <sup>2</sup> ]	c <sub>0,2,9</sub> [mm]	ε <sub>0,2,9</sub> [mm]
166464	82944	144	288

ε <sub>0,2,9</sub> [mm]	γ <sub>M,0,2</sub>	ε <sub>0,2,9</sub> [mm]	γ <sub>M,0,2</sub>	γ <sub>M,0,2</sub>	γ <sub>M,0,2</sub>	k <sub>c</sub>
0	1.000	0	1.000	1.000	1.000	7.200

N <sub>02,9</sub> [kN]	γ <sub>M,2</sub>	N <sub>02,9</sub> [kN]	N <sub>02,9</sub> [kN]
37.094	1.500	49.630	40.120

Si dovrà verificare la corrispondenza dei travetti e dei risultati con la situazione reale effettiva e la loro plausibilità!  
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E-mail:

Pagina: 3  
Progetto:  
Contratto N°:  
Data: 30/03/2018

#### 4 Carico di taglio (EOTA TR 029, Sezione 5.2.3)

	Carico [kN]	Resistenza [kN]	Utilizzo $\rho_v$ [%]	Stato
Rottura dell'acciaio (senza braccio di leva)*	N/A	N/A	N/A	N/A
Rottura dell'acciaio (con braccio di leva)*	N/A	N/A	N/A	N/A
Rottura per pryout**	N/A	N/A	N/A	N/A
Rottura del bordo del calcestruzzo in direzione ***	N/A	N/A	N/A	N/A

\*ancorante più sollecitato \*\*gruppo di ancoranti (ancoranti specifici)

#### 5 Spostamenti (ancorante più sollecitato)

Carichi a breve termine:

$N_{sk} = 7.430$  [kN]       $\delta_{sk} = 0.139$  [mm]  
 $V_{sk} = 0.000$  [kN]       $\delta_v = 0.000$  [mm]  
 $\delta_{skv} = 0.139$  [mm]

Carichi a lungo termine:

$N_{slk} = 7.430$  [kN]       $\delta_{slk} = 0.323$  [mm]  
 $V_{slk} = 0.000$  [kN]       $\delta_{slv} = 0.000$  [mm]  
 $\delta_{slkv} = 0.323$  [mm]

Commenti: Gli spostamenti a trazione risultano validi con metà del valore della coppia di serraggio richiesta per non fessurato calcestruzzo!  
 Gli spostamenti a taglio sono validi trascurando l'attrito tra il calcestruzzo e la piastra d'ancoraggio! Lo spazio derivante dal foro eseguito con perforatore e dalle tolleranze dei fori non viene considerato in questo calcolo!

Gli spostamenti ammissibili dell'ancorante dipendono dalla struttura fissata e devono essere definiti dal progettista!

#### 6 Attenzione

- \* Fenomeni di ridistribuzione dei carichi sugli ancoranti derivanti da eventuali deformazioni elastiche della piastra non sono presi in considerazione. Si assume una piastra di ancoraggio sufficientemente rigida in modo che non risulti deformabile sotto l'azione di carichi!
- \* La verifica del trasferimento dei carichi nel materiale base è necessaria in accordo all'EOTA TR 029 sezione 7!
- \* Il calcolo è valido solo se le dimensioni dei fori sulla piastra non superano i valori indicati nella Tabella 4.1 di EOTA TR029! Per diametri dei fori superiori vedere il capitolo 1.1 dell'EOTA TR029!
- \* La lista accessori inclusa in questo report di calcolo è da ritenersi solo come informativa dell'utente. In ogni caso, le istruzioni d'uso fornite con il prodotto dovranno essere rispettate per garantire una corretta installazione.
- \* L'adesione chimica caratteristica dipende dalle temperature di breve e di lungo periodo.
- \* L'armatura di bordo non è necessaria per evitare la modalità di rottura per fessurazione (spitting)

**L'ancoraggio risulta verificato!**



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Progetto:  
Contratto N°:  
Data: 30/03/2018

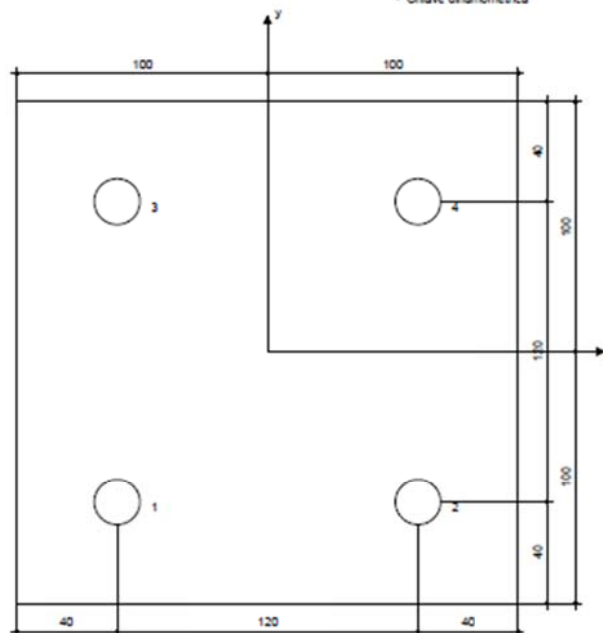
## 7 Dati relativi all'installazione

Plastra d'ancoraggio, acciaio: -  
Profilo: nessun profilo; 0 x 0 x 0 mm  
Diametro del foro nella plastra:  $d_f = 18$  mm  
Spessore della plastra (input): 20 mm  
Spessore della plastra raccomandato: non calcolato  
Pulizia: Non è necessaria la pulizia del foro

Tipo e dimensione dell'ancorante: HIT-HY 200-A + HIT-Z M16  
Coppia di serraggio: 0,080 kNm  
Diametro del foro nel materiale base: 18 mm  
Profondità del foro nel materiale base: 151 mm  
Spessore minimo del materiale base: 196 mm

## 7.1 Accessori richiesti

Perforazione	Pulizia	Posa
<ul style="list-style-type: none"> <li>• Utensile per rotoperforazione</li> <li>• Dimensione appropriata della punta del trapano</li> </ul>	<ul style="list-style-type: none"> <li>• Non sono richiesti accessori</li> </ul>	<ul style="list-style-type: none"> <li>• Il dispenser include il portacartucce e il miscelatore</li> <li>• Chiave dinamometrica</li> </ul>



## Coordinate dell'ancorante [mm]

Ancorante	x	y	$a_{xx}$	$a_{yy}$	$a_{xy}$	$a_{yx}$
1	60	0	-	-	-	-
2	120	0	-	-	-	-
3	0	100	-	-	-	-
4	60	100	-	-	-	-

Si deve verificare la corrispondenza dei dati inseriti e dei risultati con la situazione reale effettiva e la loro plausibilità!  
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Contratto N°:

Data:

5

30/03/2018

### 8 Osservazioni; doveri del cliente

- Tutte le informazioni e i dati contenuti nel Software riguardano solamente l'uso di prodotti Hilti e si basano su principi, formule e norme di sicurezza in conformità con le indicazioni tecniche, di funzionamento, montaggio e assemblaggio, ecc. della Hilti che devono essere rigorosamente rispettate da parte dell'utente. Tutti i valori in esso contenuti sono valori medi, quindi vanno effettuati test specifici prima di utilizzare il prodotto Hilti in questione. I risultati dei calcoli effettuati mediante il software si basano essenzialmente sui dati che l'utente ha inserito. Di conseguenza l'utente è l'unico responsabile per l'assenza di errori, la completezza e la pertinenza dei dati che vanno immessi. Inoltre, l'utente ha la responsabilità di far controllare e correggere i risultati dei calcoli da parte di un esperto, con particolare riguardo al rispetto di norme e autorizzazioni, prima di utilizzarli per uno scopo specifico. Il software serve solo come un compendio per interpretare le norme e i permessi, senza alcuna garanzia circa l'assenza di errori, la correttezza e la pertinenza dei risultati o di idoneità per una specifica applicazione.
- L'utente deve applicare tutti gli accorgimenti necessari e ragionevoli per prevenire o limitare i danni causati dal software. In particolare, l'utente deve organizzare un backup periodico dei programmi e dei dati e, se necessario, effettuare gli aggiornamenti del software offerti da Hilti in maniera regolare. Se non si utilizza la funzione di aggiornamento automatico del software, l'utente deve assicurarsi di utilizzare l'ultima versione e quindi di mantenere aggiornato il Software effettuando aggiornamenti manuali dal sito web Hilti. Hilti non è responsabile per le conseguenze derivanti da una violazione colposa di responsabilità da parte dell'utente, come il recupero di dati o programmi persi o danneggiati.

Si deve verificare la corrispondenza dei dati inseriti e dei risultati con la situazione reale effettiva e la loro plausibilità!  
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## 2. VERIFICA STRUTTURA VANO ASCENSORE

Questo capitolo riporta la verifica della struttura in acciaio del vano ascensore. A tal fine è stato assemblato un modello agli elementi finiti di cui si riportano qui di seguito la vista tridimensionale con ingombri e la numerazione degli elementi strutturali a cui fare riferimento per la lettura dei tabulati di verifica (software Dolmen 16). Per la validazione del software si faccia riferimento al documento NV05\_F\_2\_E\_CL\_FA\_1700\_0.

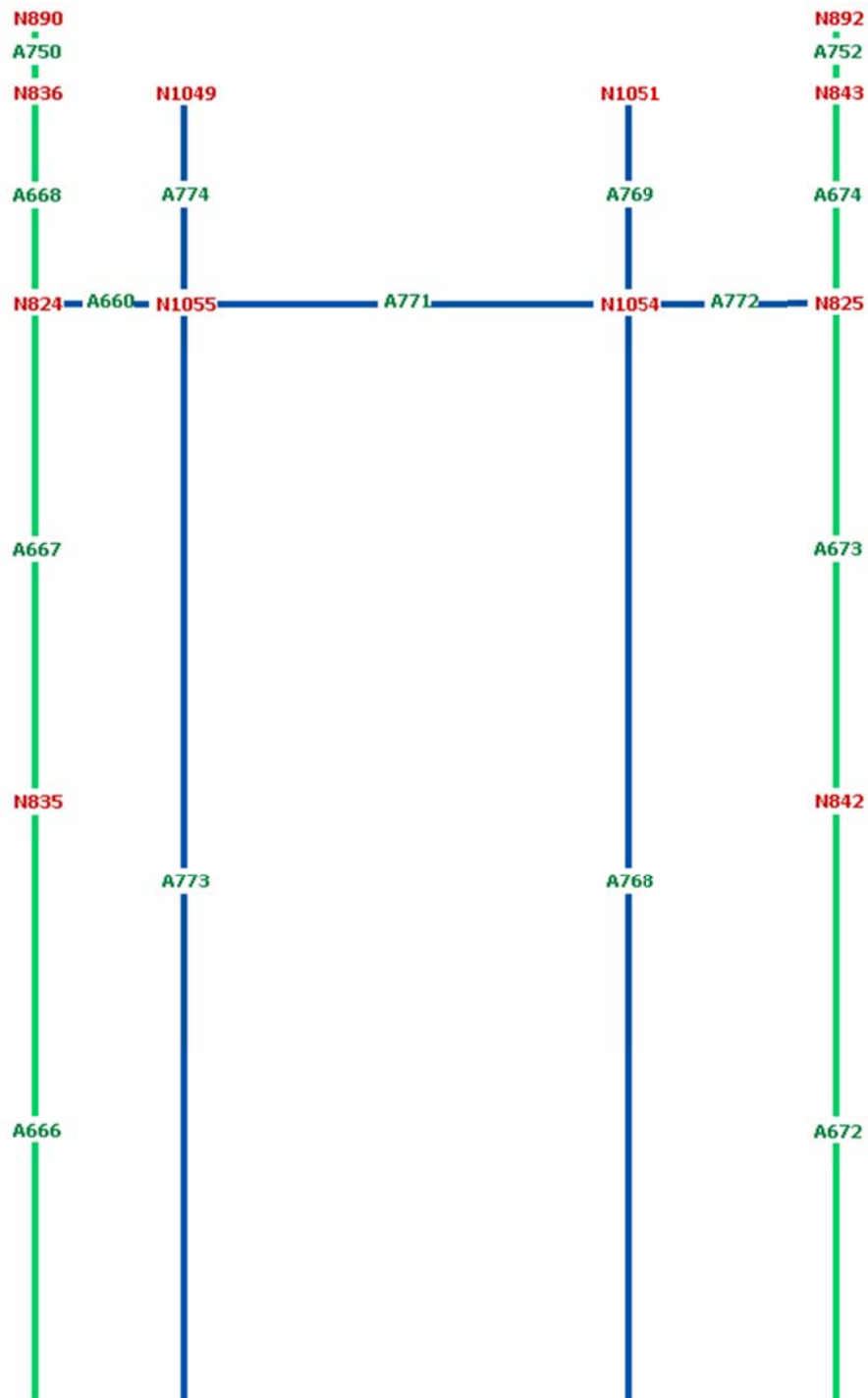
### 2.1 Materiali

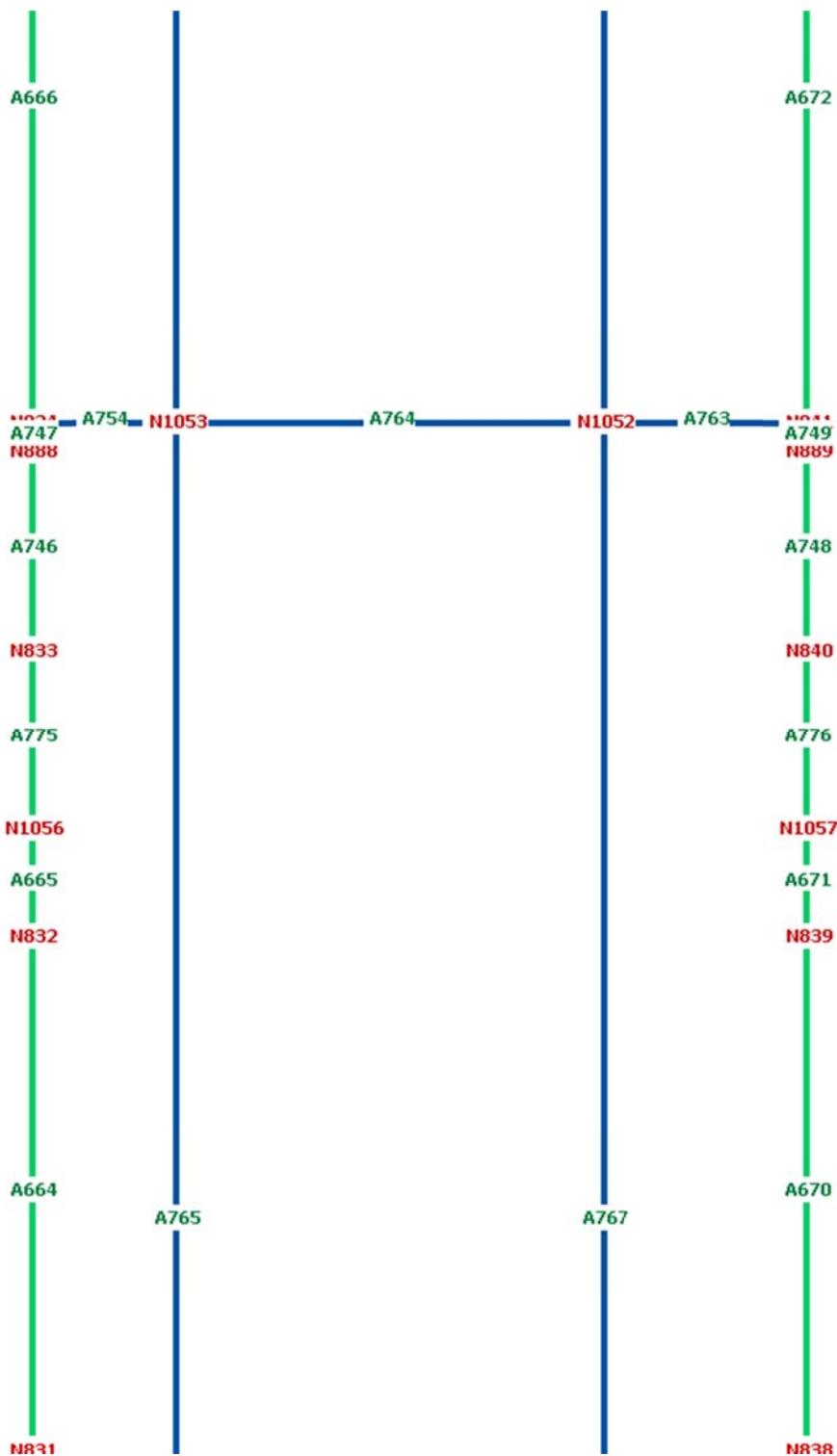
Acciaio per carpenteria metallica: S275

### 2.2 Modello FEM

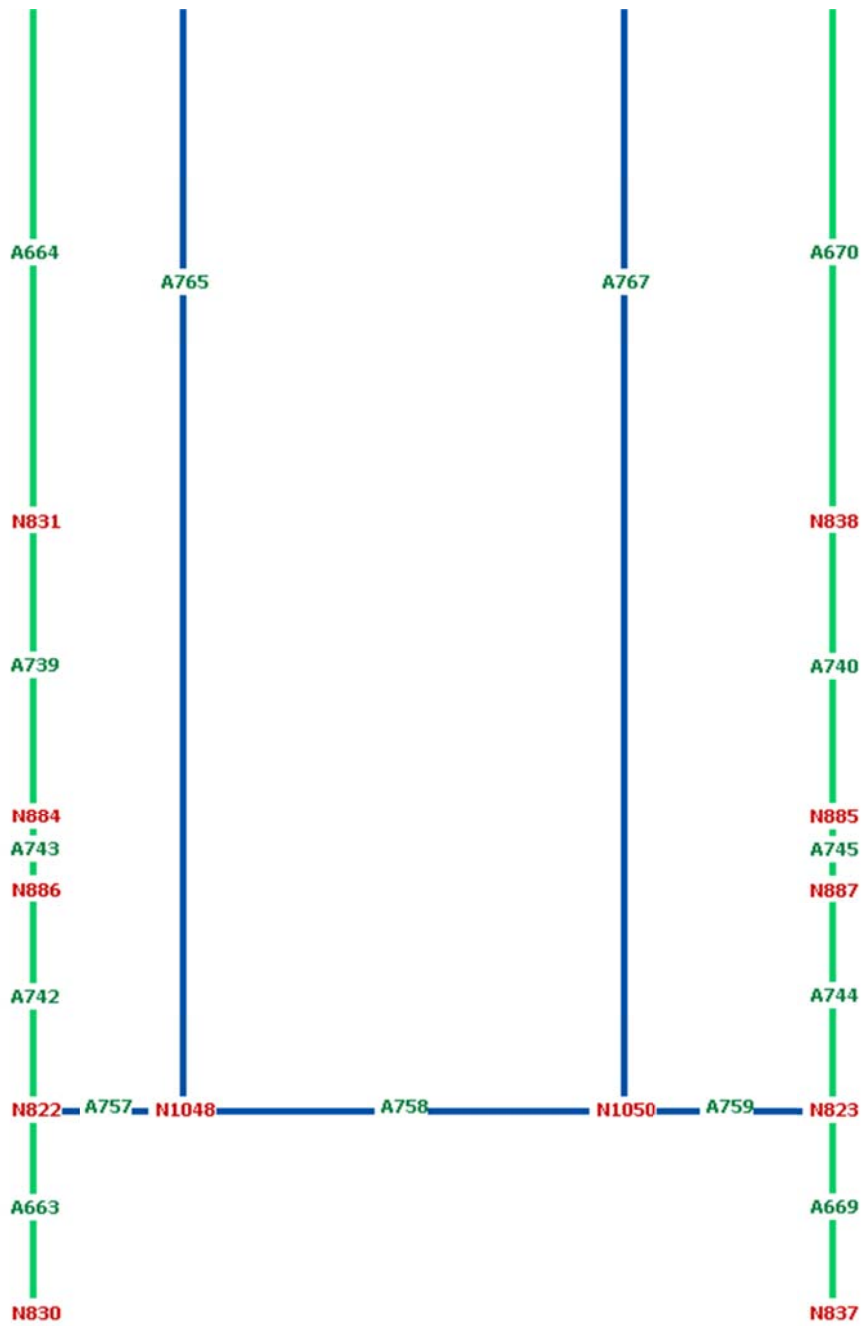
Si riporta una vista tridimensionale del modello e la numerazione dei nodi e degli elementi che lo compongono.

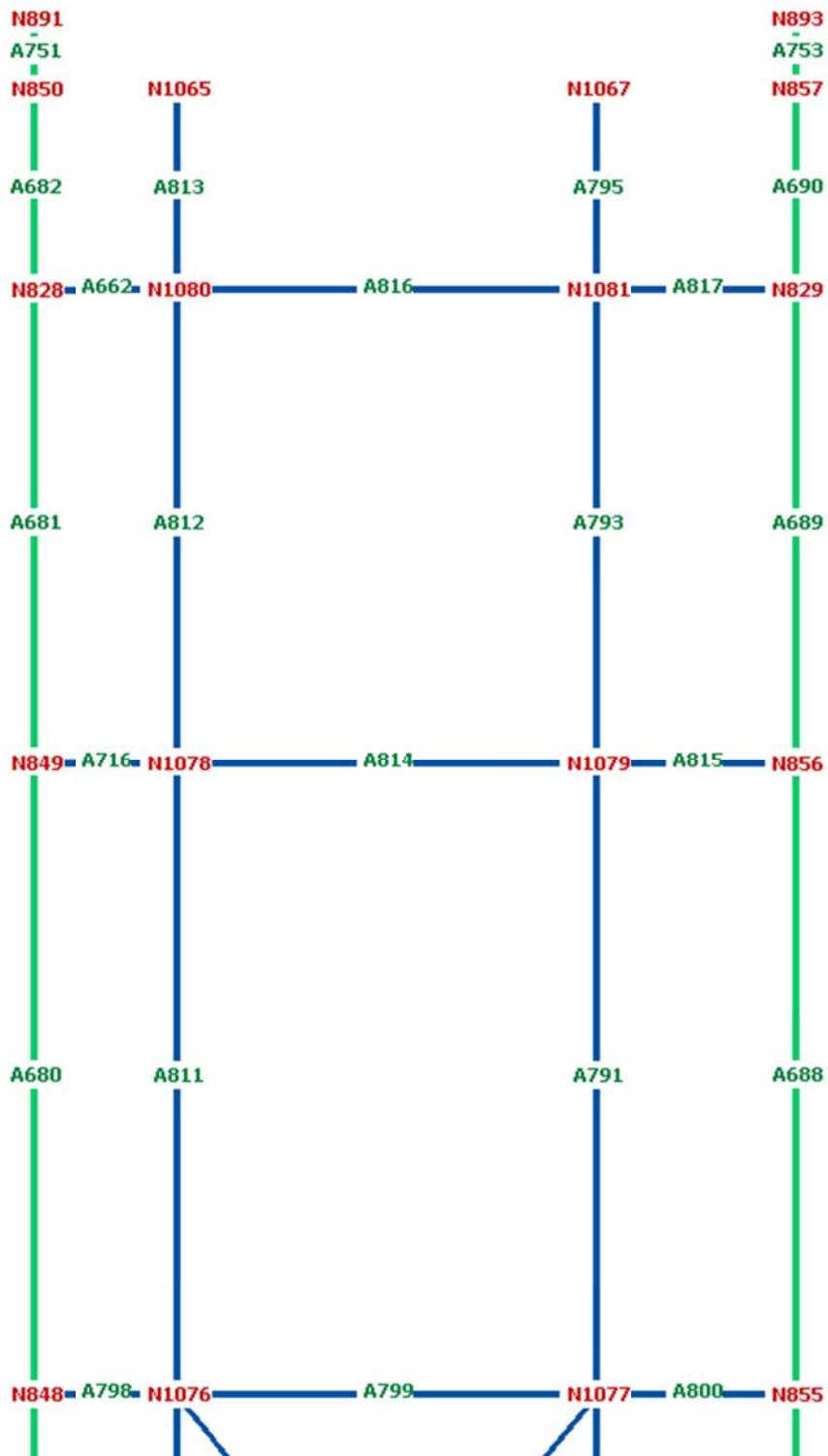


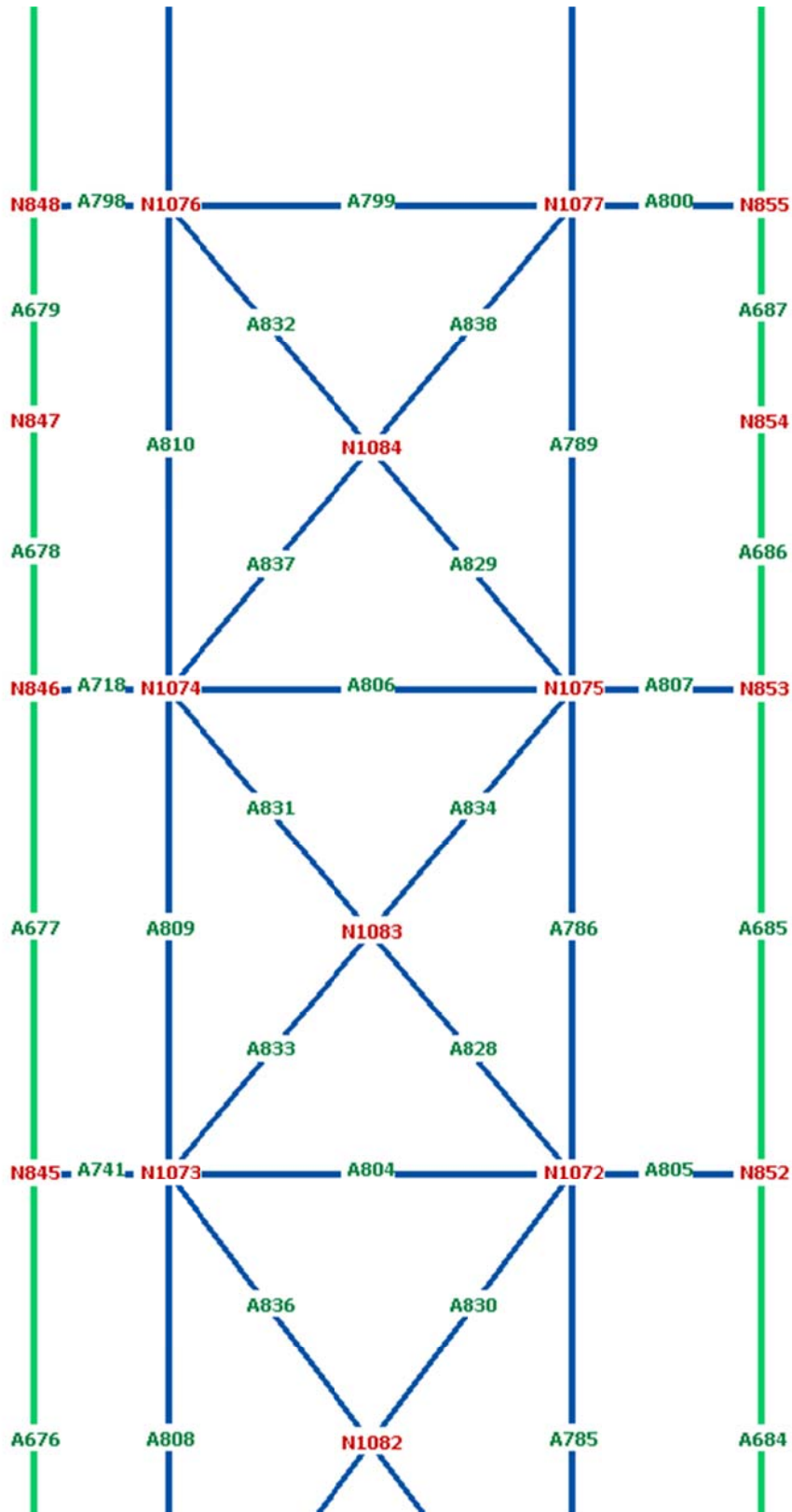


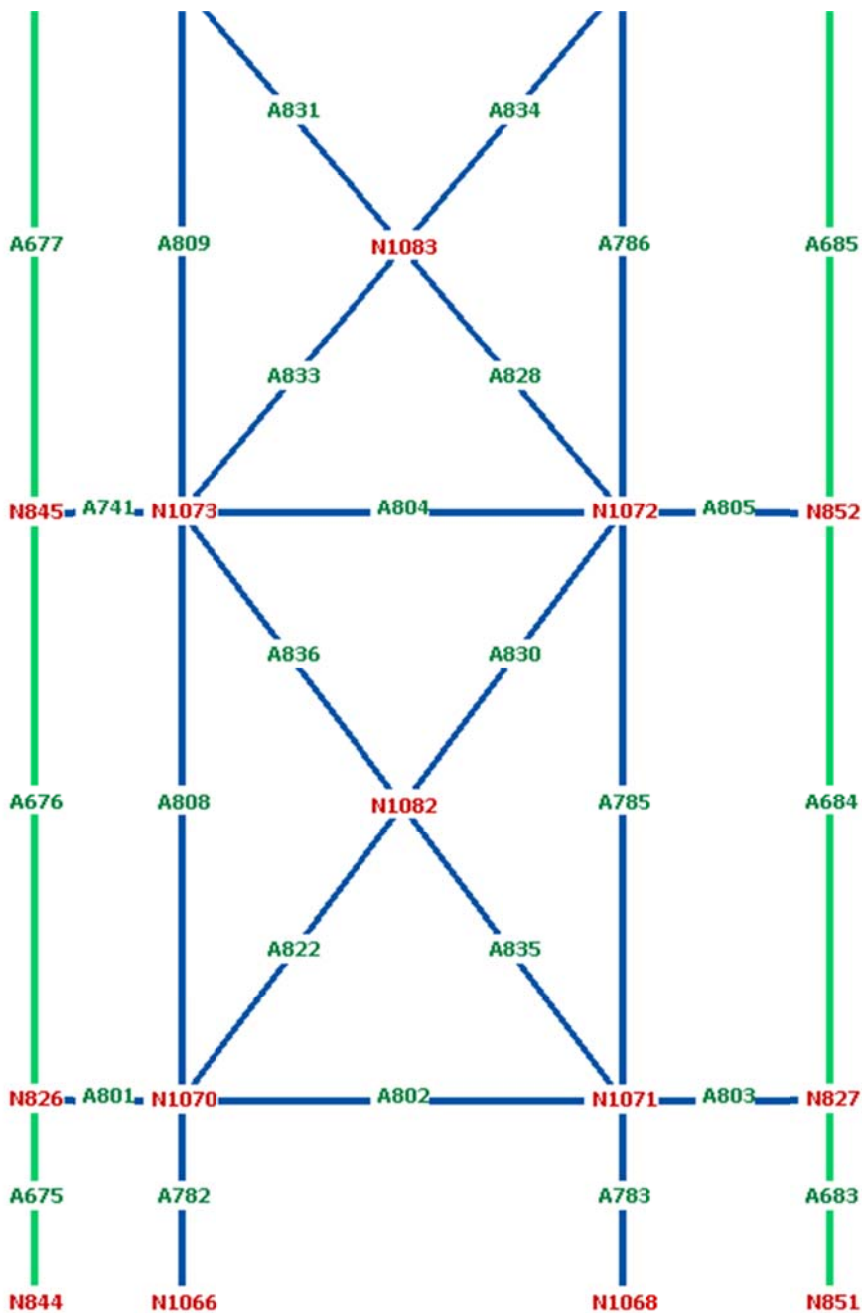


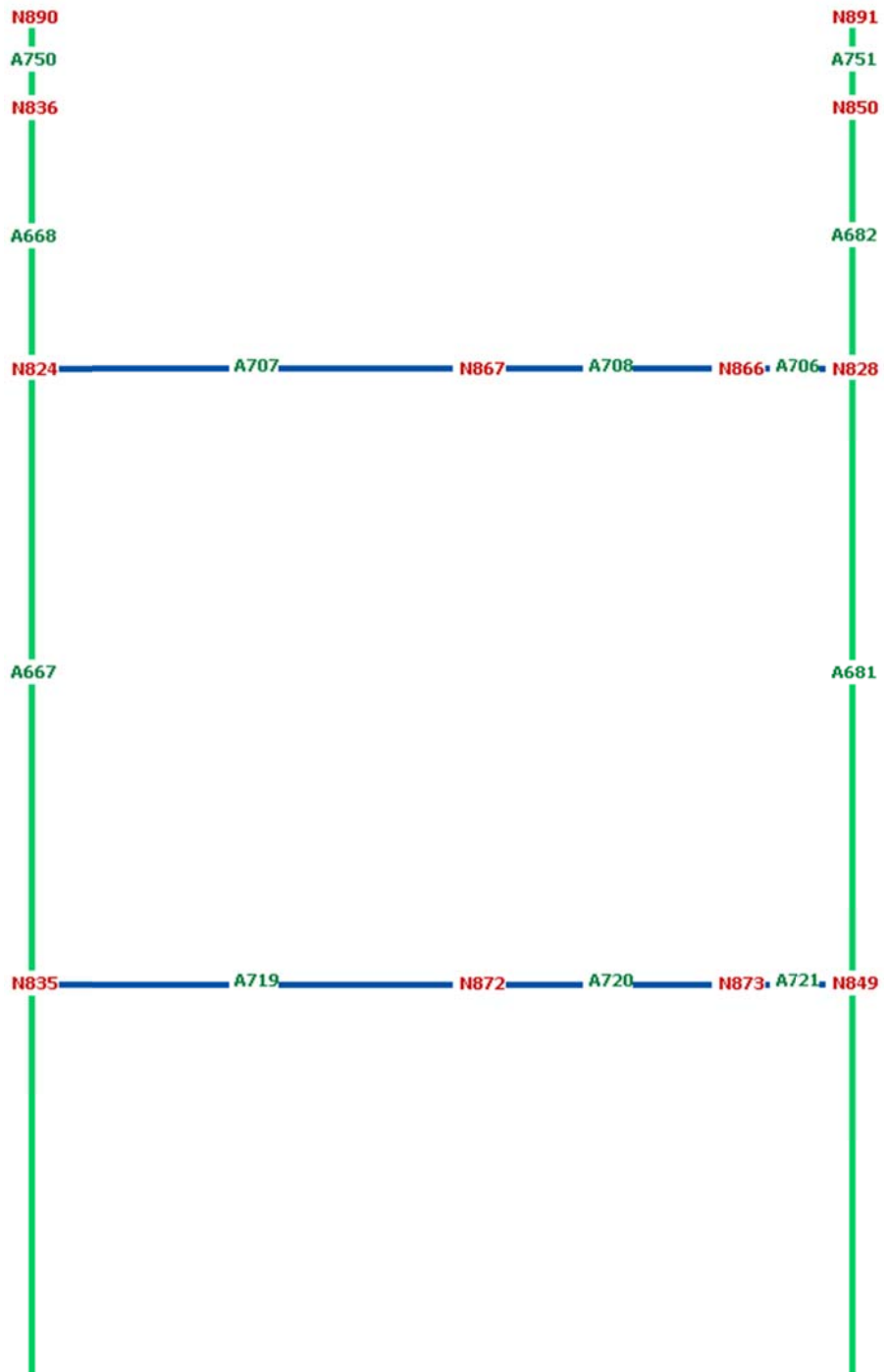


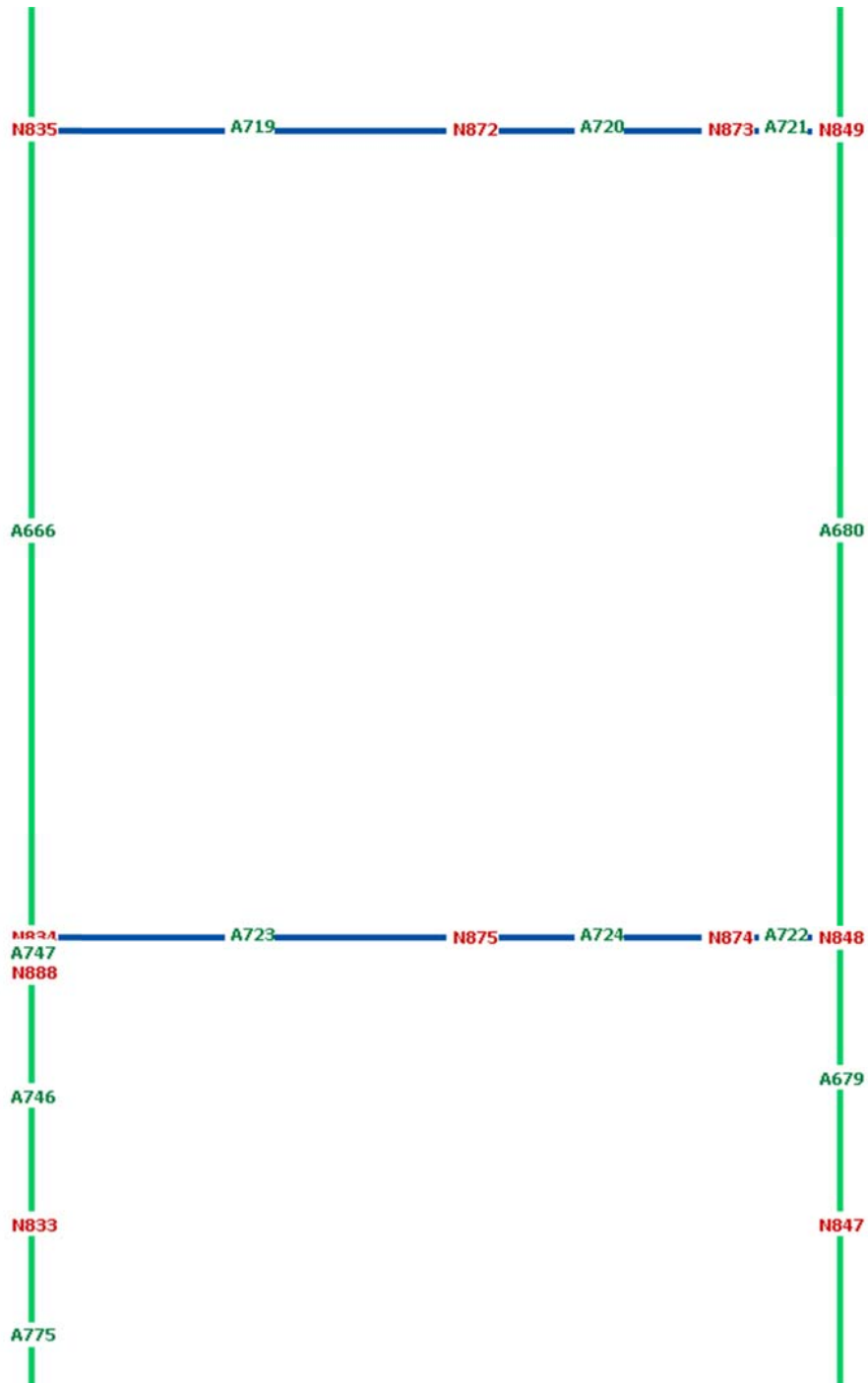


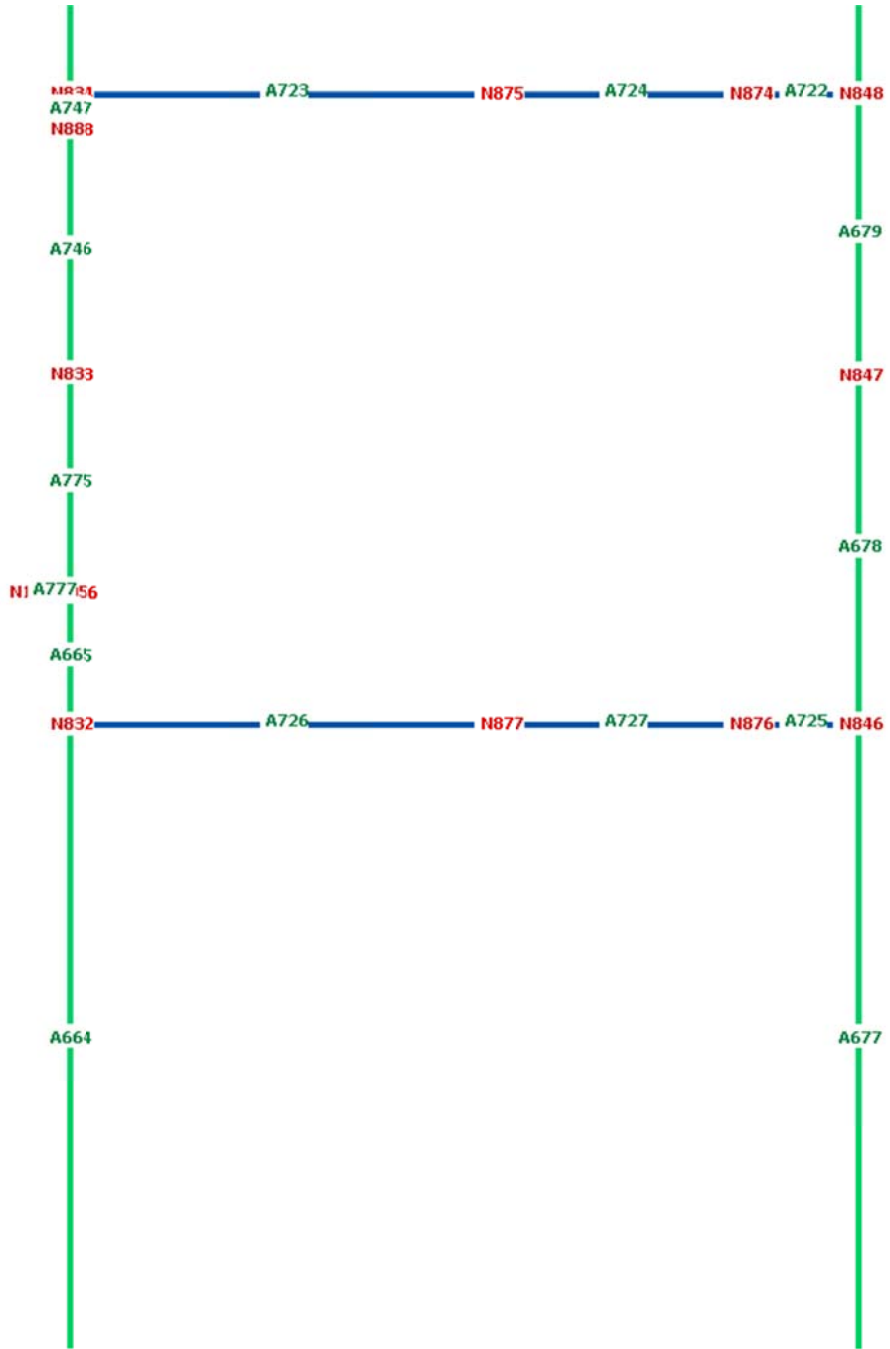


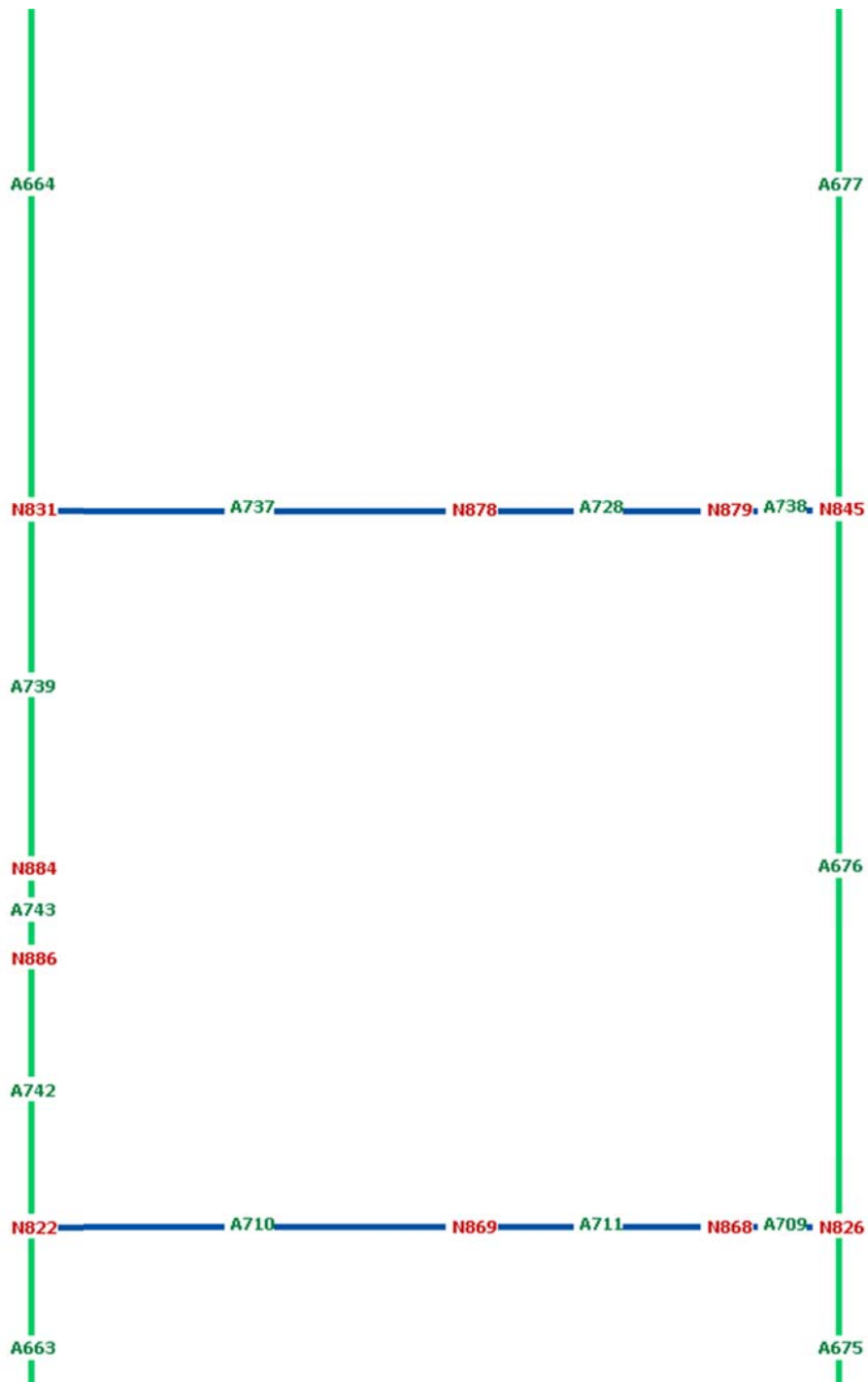




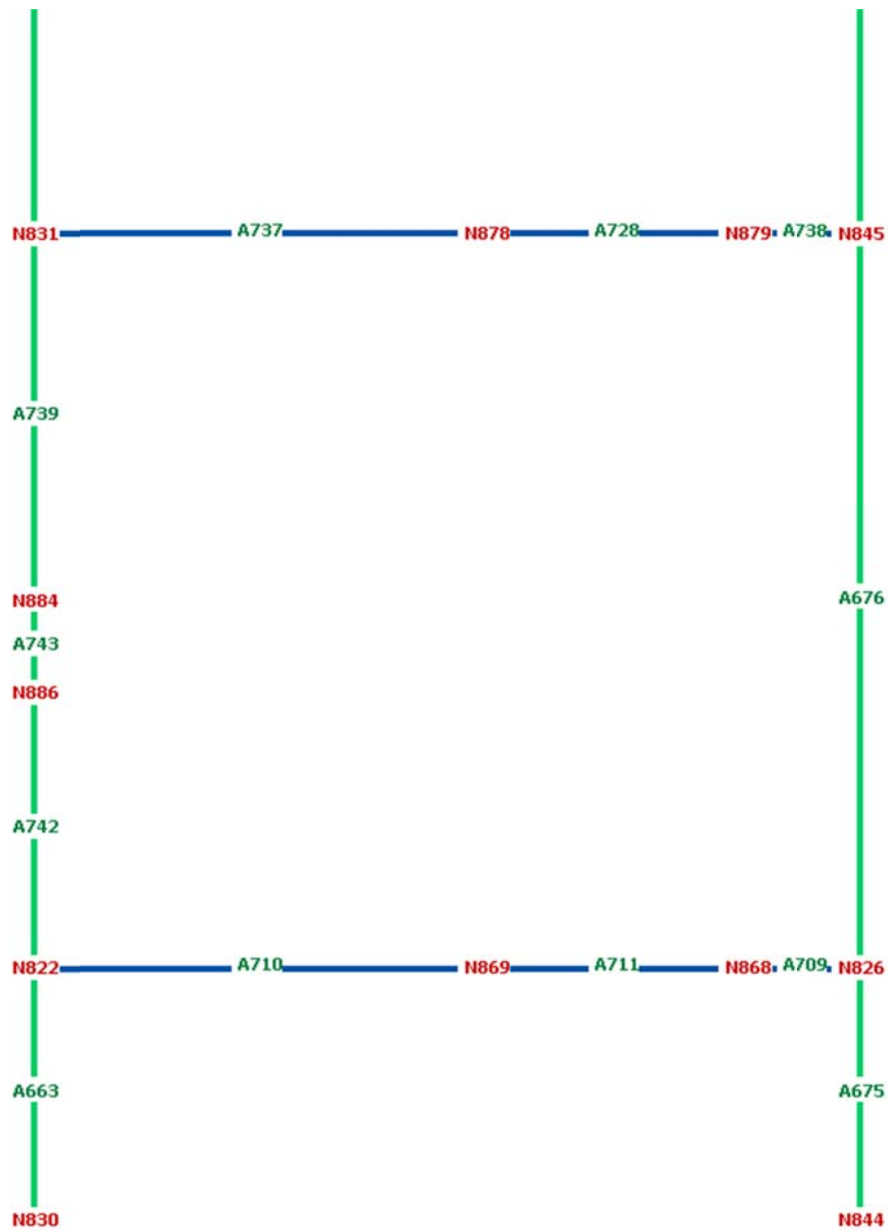


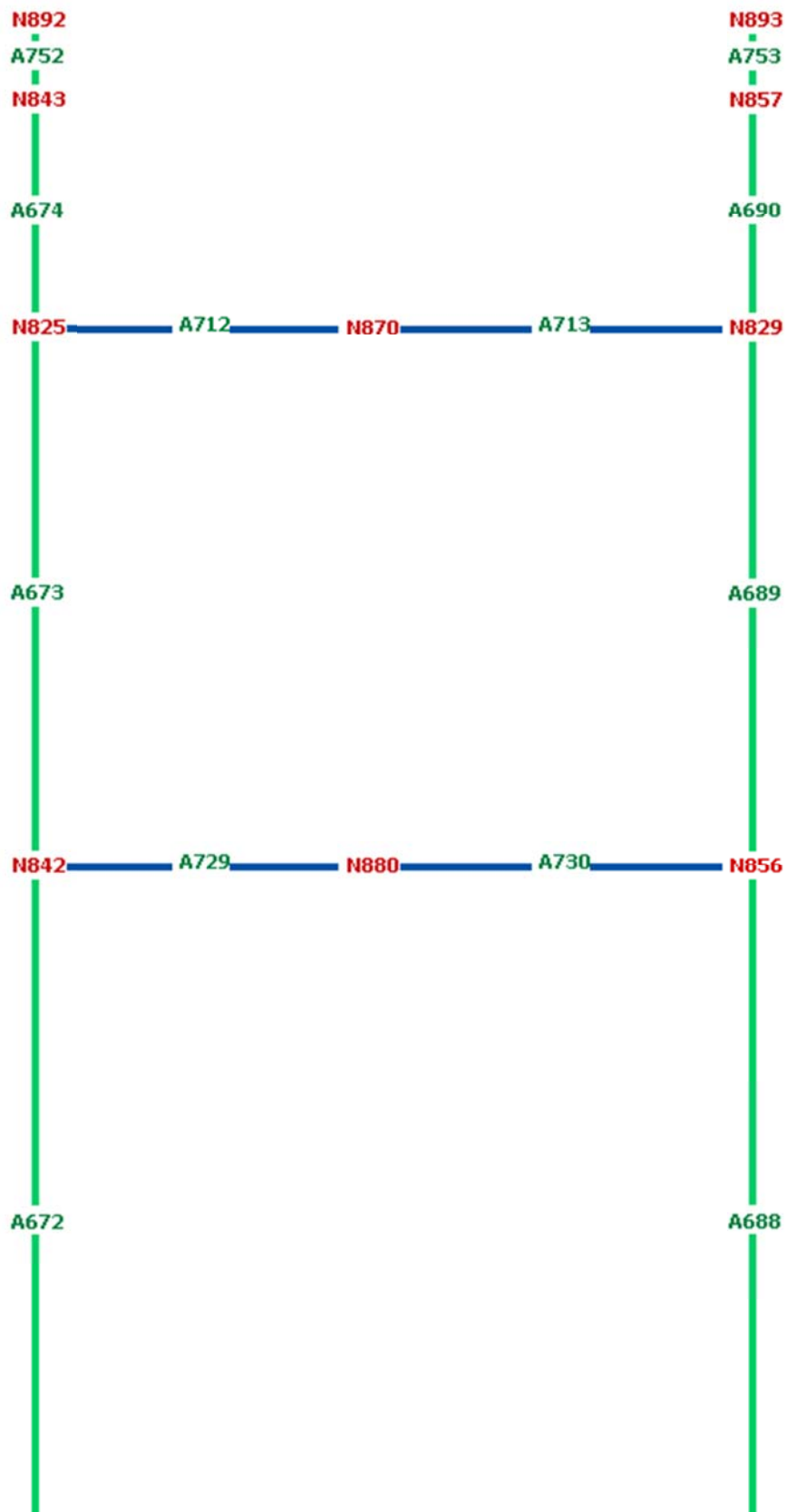


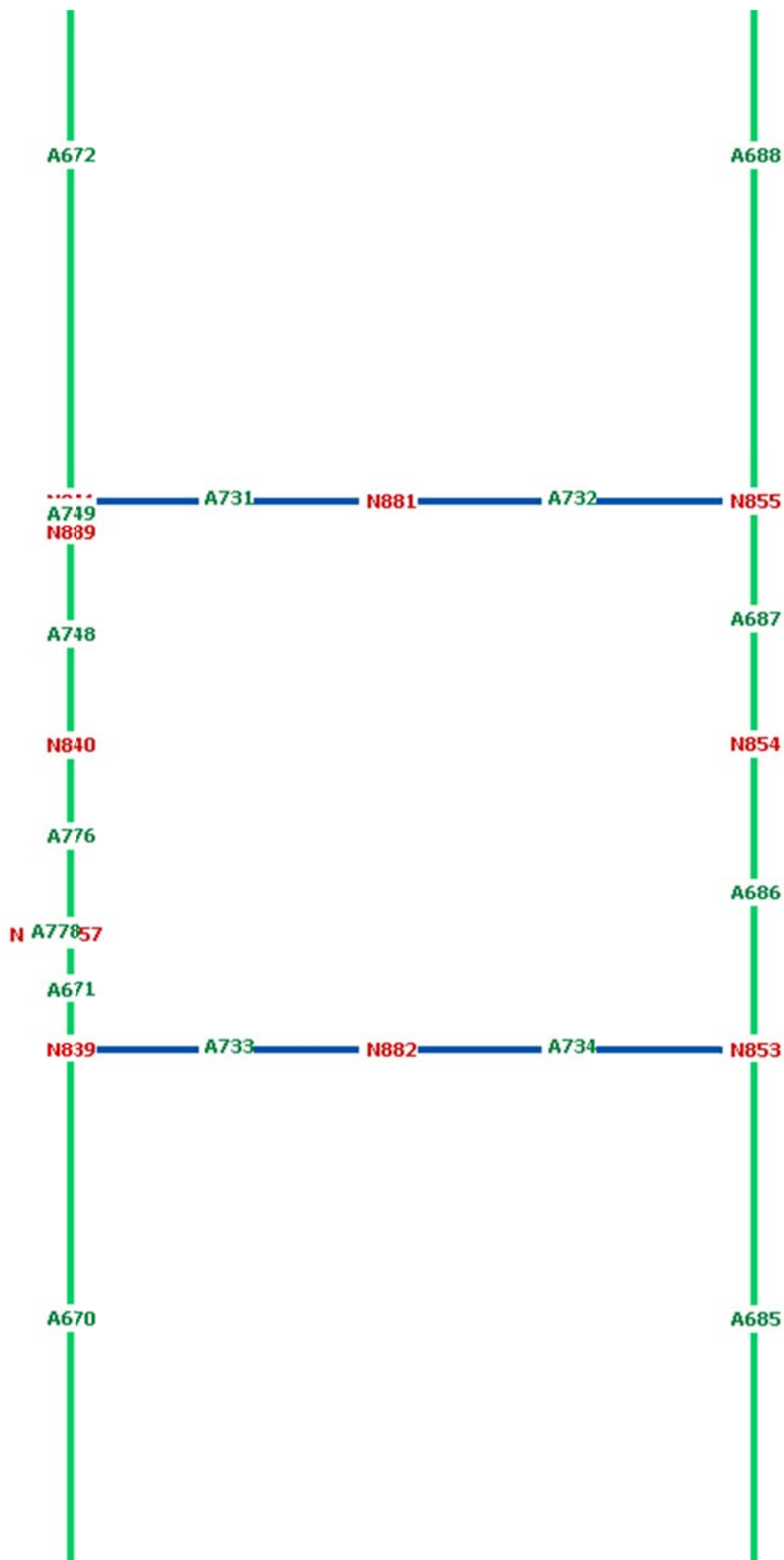


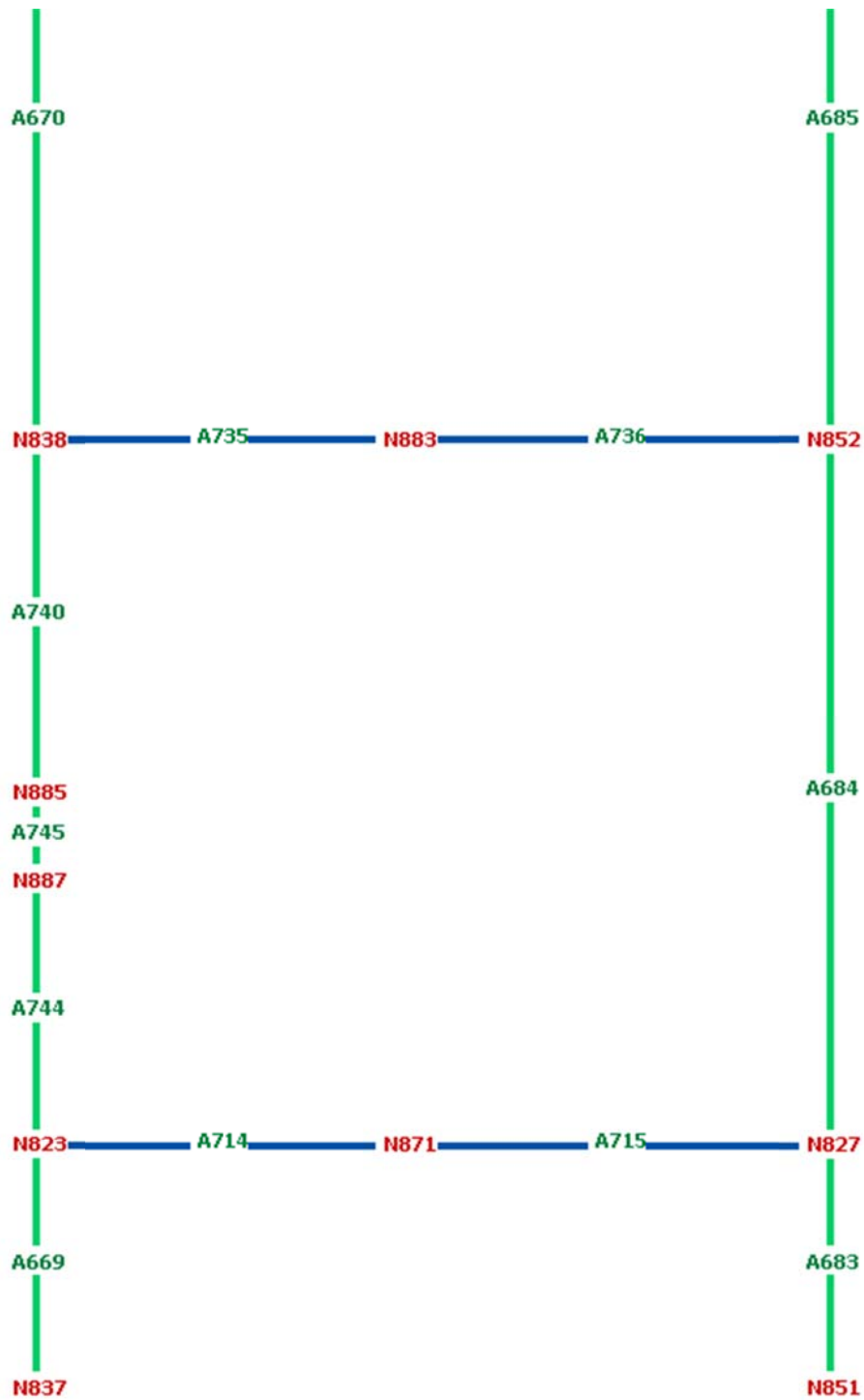


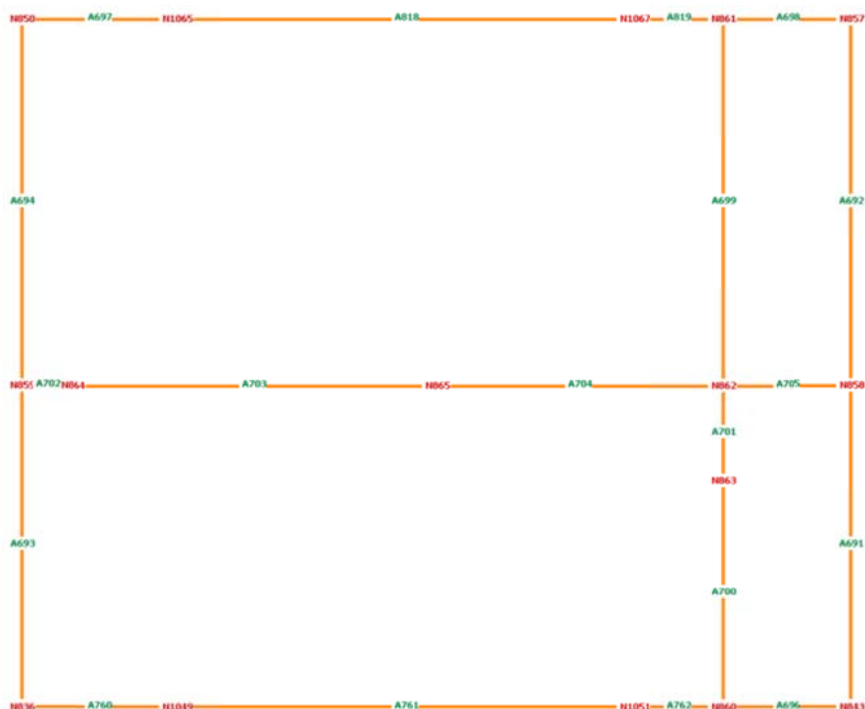












## 2.2.1 Analisi dei carichi

### 2.2.1.1 Peso proprio

Il peso proprio è calcolato in automatico dal software in uso sulla base della reale geometria degli elementi e del peso dell'acciaio pari a  $7850 \text{ daN/m}^3$ . Il peso proprio non è visualizzabile come carico esterno e quindi non se ne può riportare la rappresentazione grafica. Si riporta il tabulato del file di input del software (xxx-yyy significa dall'elemento xxx all'elemento yyy):

```
PESI PROPRI ASTE--|-----|-----|-----|-----|
Cond. Nome Carichi Aste
1 1838-1975 660, 662-694, 696-716, 718-754, 757-765, 767-769,
771-776, 798-807, 814-819, 822, 828-838
```

### 2.2.1.2 Azioni permanenti

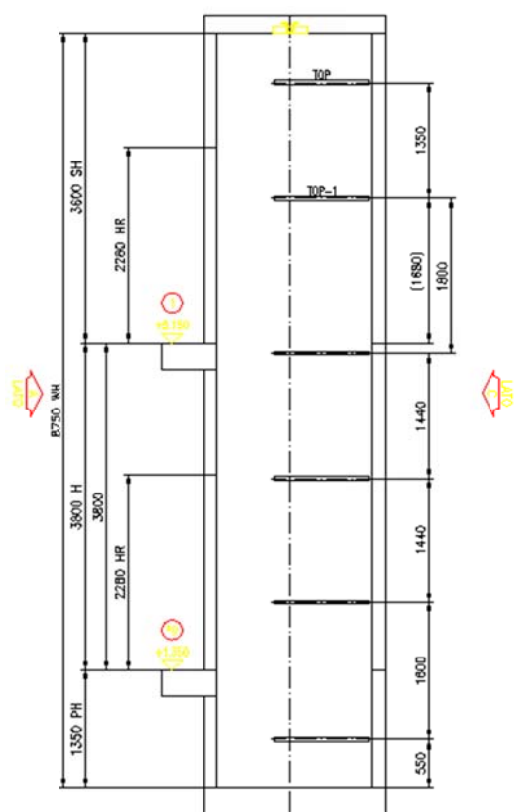
Si considera il peso della vetrata pari a  $110 \text{ daN/m}$  applicato uniformemente sui quattro montanti. Il carico esterno è applicato in direzione parallela all'asse longitudinale degli elementi e quindi non risulta graficamente visualizzabile. Si riporta il tabulato del file di input del software (xxx-yyy significa dall'elemento xxx all'elemento yyy):

```
CARICHI ASTE-----|-----|-----|-----|num.= 178
Nome Asta Dir Tip RIF Parametro 1 Parametro 2 Parametro 3 Parametro 4
1798 vetro 663 Z FD glo -1.100
1799 vetro 664 Z FD glo -1.100
1800 vetro 665 Z FD glo -1.100
1801 vetro 666 Z FD glo -1.100
1802 vetro 667 Z FD glo -1.100
1803 vetro 668 Z FD glo -1.100
1804 vetro 669 Z FD glo -1.100
1805 vetro 670 Z FD glo -1.100
1806 vetro 671 Z FD glo -1.100
1807 vetro 672 Z FD glo -1.100
1808 vetro 673 Z FD glo -1.100
1809 vetro 674 Z FD glo -1.100
1810 vetro 675 Z FD glo -1.100
1811 vetro 676 Z FD glo -1.100
```

1812	vetro	677	Z	FD glo	-1.100
1813	vetro	678	Z	FD glo	-1.100
1814	vetro	679	Z	FD glo	-1.100
1815	vetro	680	Z	FD glo	-1.100
1816	vetro	681	Z	FD glo	-1.100
1817	vetro	682	Z	FD glo	-1.100
1818	vetro	683	Z	FD glo	-1.100
1819	vetro	684	Z	FD glo	-1.100
1820	vetro	685	Z	FD glo	-1.100
1821	vetro	686	Z	FD glo	-1.100
1822	vetro	687	Z	FD glo	-1.100
1823	vetro	688	Z	FD glo	-1.100
1824	vetro	689	Z	FD glo	-1.100
1825	vetro	690	Z	FD glo	-1.100
1826	vetro	739	Z	FD glo	-1.100
1827	vetro	740	Z	FD glo	-1.100
1828	vetro	742	Z	FD glo	-1.100
1829	vetro	743	Z	FD glo	-1.100
1830	vetro	744	Z	FD glo	-1.100
1831	vetro	745	Z	FD glo	-1.100
1832	vetro	746	Z	FD glo	-1.100
1833	vetro	747	Z	FD glo	-1.100
1834	vetro	748	Z	FD glo	-1.100
1835	vetro	749	Z	FD glo	-1.100
1836	vetro	775	Z	FD glo	-1.100
1837	vetro	776	Z	FD glo	-1.100

### 2.2.1.3 Azione di esercizio

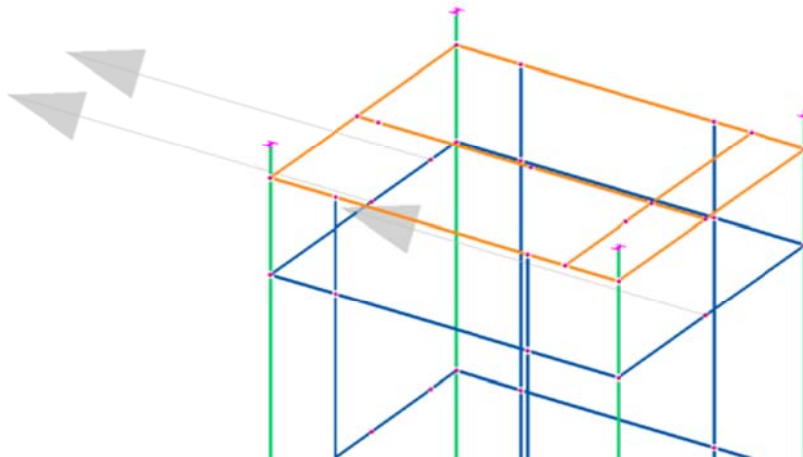
Sulla base del seguente schema sono state applicate sui traversi le azioni contenute nella tabella in corrispondenza delle guide dell'ascensore e del contrappeso (si riportano per semplicità solo le azioni tipo "top". A favore di sicurezza le azioni P e T sono applicate con segno concorde. Per non appesantire la relazione si rappresentano graficamente solo le azioni "top", mentre per le restanti si rimanda al tabulato. Le azioni F sono le azioni di montaggio descritte al paragrafo successivo:

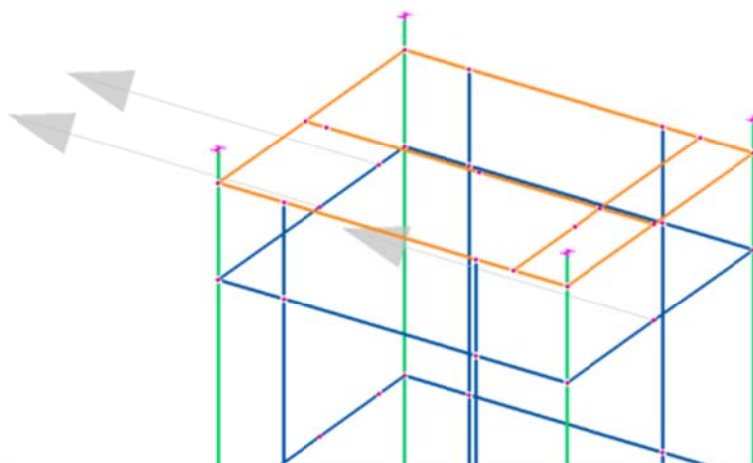
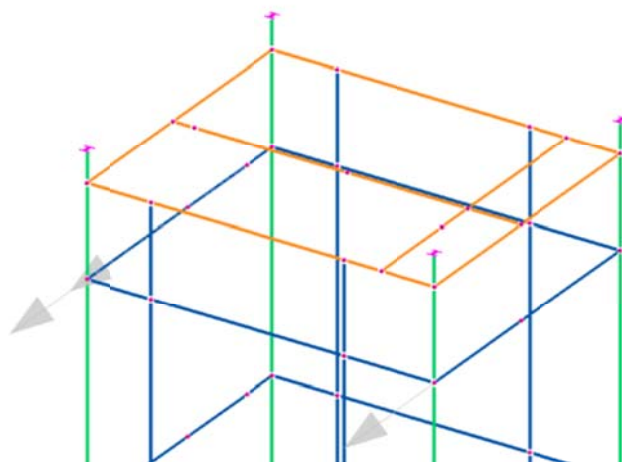


REAZIONI SU FISSAGGI STAFFE GUIDE (max.)		
Numero/i impianto T-0001766379		
	Carico	Valore (kN)
	P top	-4.54
	S top	-3.44
	T top	-3.88
	P top-1	3.01
	S top-1	3.22
	T top-1	3.66
	P rest	2.27
	S rest	1.37
	T rest	1.86

CARICHI NODI-----|-----|-----|-----|num. = 1797

Nome	Nodo	Direzione	Intensita`
1 F	864	Z	-1500.0
2 F	865	Z	-1500.0
3 F	863	Z	-1500.0
4 ptop	867	X	-454.0
5 ptop	866	X	-454.0
6 stop	867	Y	-344.0
7 stop	866	Y	-344.0
8 ttop	867	X	-388.0
9 ttop	866	X	-388.0
10 ptop-1	872	X	301.0
11 ptop-1	873	X	301.0
12 stop-1	872	Y	322.0
13 stop-1	873	Y	322.0
14 ttop-1	872	X	366.0
15 ttop-1	873	X	366.0
16 prest	875	X	227.0
17 prest	874	X	227.0
18 srest	875	Y	137.0
19 srest	874	Y	137.0
20 trest	874	X	186.0
21 trest	875	X	186.0
22 prest	877	X	227.0
23 prest	876	X	227.0
24 srest	877	Y	137.0
25 srest	876	Y	137.0
26 trest	877	X	186.0
27 trest	876	X	186.0
28 prest	878	X	227.0
29 prest	879	X	227.0
30 srest	878	Y	137.0
31 srest	879	Y	137.0
32 trest	878	X	186.0
33 trest	879	X	186.0
34 prest	869	X	227.0
35 prest	868	X	227.0
36 srest	869	Y	137.0
37 srest	868	Y	137.0
38 trest	869	X	186.0
39 trest	868	X	186.0
40 ptop	870	X	-454.0
41 stop	870	Y	-344.0
42 ttop	870	X	-388.0
43 ptop-1	880	X	301.0
44 stop-1	880	Y	322.0
45 ttop-1	880	X	366.0
46 prest	881	X	227.0
47 srest	881	Y	137.0
48 trest	881	X	186.0
49 prest	882	X	227.0
50 srest	882	Y	137.0
51 trest	882	X	186.0
52 prest	883	X	227.0
53 srest	883	Y	137.0
54 trest	883	X	186.0
55 prest	871	X	227.0
56 srest	871	Y	137.0
57 trest	871	X	186.0

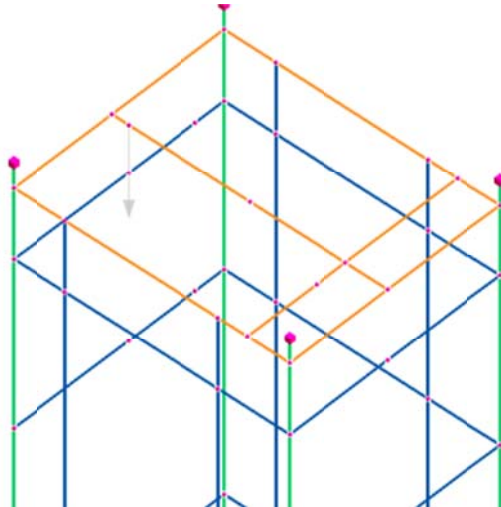
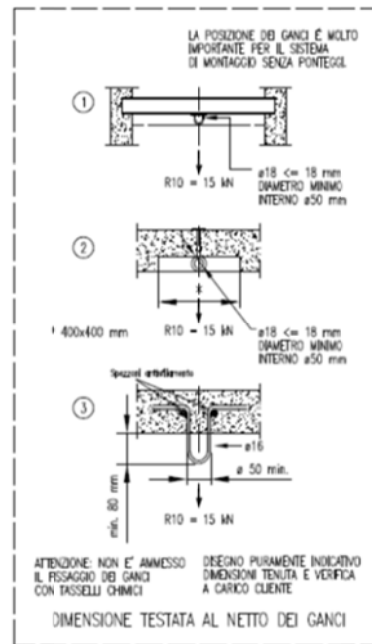
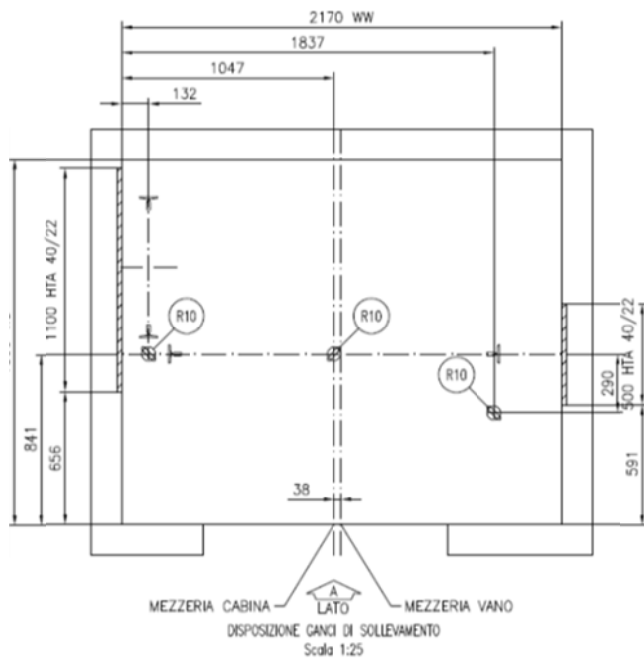


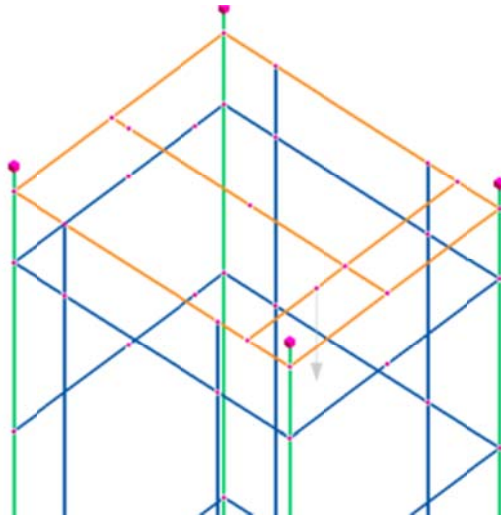
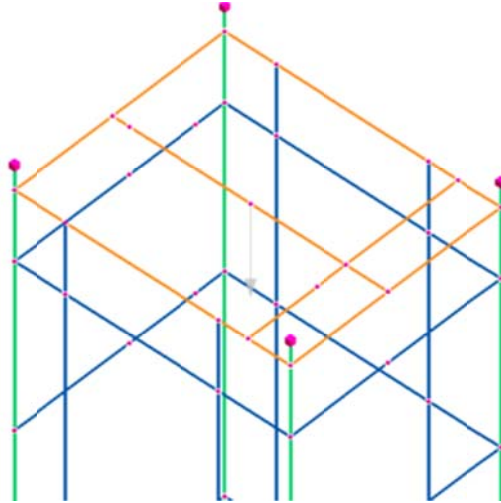


### ***2.2.1.1 Azioni in fase di montaggio***

In fase di montaggio è presente un'azione di 1500 daN applicata di volta in volta (quindi mai contemporaneamente) in 3 punti differenti della struttura. Nel calcolo in oggetto, in via cautelativa, tali azioni sono applicate contemporaneamente tra loro e contemporaneamente alle azioni di esercizio.







### 2.2.1.2 Sisma

Per la definizione dell'azione sismica si veda il paragrafo 4.7 dell'elaborato NV05\_F\_2\_E\_CL\_FA\_1700\_0.

### 2.2.2 Condizioni e casi di carico

CONDIZIONI DI CARICO----- ----- ----- ----- num.=				52
Nome				
1	Peso_proprio_____	N. carichi:	138	
	Lista carichi: 1838-1975			
2	montaggio1	N. carichi:	1	
	Lista carichi: 1			
3	montaggio2	N. carichi:	1	
	Lista carichi: 2			
4	montaggio3	N. carichi:	1	
	Lista carichi: 3			
5	ptop	N. carichi:	3	
	Lista carichi: 4-5, 40			
6	stop	N. carichi:	3	
	Lista carichi: 6-7, 41			

7	ttop	N. carichi:	3
	Lista carichi:	8-9, 42	
8	ptop-1	N. carichi:	3
	Lista carichi:	10-11, 43	
9	stop-1	N. carichi:	3
	Lista carichi:	12-13, 44	
10	ttop-1	N. carichi:	3
	Lista carichi:	14-15, 45	
11	prest1	N. carichi:	3
	Lista carichi:	16-17, 46	
12	srest1	N. carichi:	3
	Lista carichi:	18-19, 47	
13	trest1	N. carichi:	3
	Lista carichi:	20-21, 48	
14	prest2	N. carichi:	3
	Lista carichi:	22-23, 49	
15	srest2	N. carichi:	3
	Lista carichi:	24-25, 50	
16	trest2	N. carichi:	3
	Lista carichi:	26-27, 51	
17	prest3	N. carichi:	3
	Lista carichi:	28-29, 52	
18	srest3	N. carichi:	3
	Lista carichi:	30-31, 53	
19	trest3	N. carichi:	3
	Lista carichi:	32-33, 54	
20	prest4	N. carichi:	3
	Lista carichi:	34-35, 55	
21	srest4	N. carichi:	3
	Lista carichi:	36-37, 56	
22	trest4	N. carichi:	3
	Lista carichi:	38-39, 57	
23	vetro	N. carichi:	40
	Lista carichi:	1798-1837	
24	Autovett_001_(X)	N. carichi:	88
	Lista carichi:	58-145	
25	Autovett_001_(Y)	N. carichi:	13
	Lista carichi:	146-158	
26	Autovett_002_(Y)	N. carichi:	87
	Lista carichi:	159-245	
27	Autovett_003_(X)	N. carichi:	55
	Lista carichi:	246-300	
28	Autovett_003_(Y)	N. carichi:	30
	Lista carichi:	301-330	
29	Autovett_005_(X)	N. carichi:	91
	Lista carichi:	331-421	
30	Autovett_005_(Y)	N. carichi:	11
	Lista carichi:	422-432	
31	Autovett_006_(X)	N. carichi:	84
	Lista carichi:	433-516	

32	Autovett_006_(Y)	N. carichi:	35
	Lista carichi: 517-551		
33	Autovett_007_(X)	N. carichi:	23
	Lista carichi: 552-574		
34	Autovett_007_(Y)	N. carichi:	86
	Lista carichi: 575-660		
35	Autovett_008_(X)	N. carichi:	71
	Lista carichi: 661-731		
36	Autovett_008_(Y)	N. carichi:	56
	Lista carichi: 732-787		
37	Autovett_009_(X)	N. carichi:	2
	Lista carichi: 788-789		
38	Autovett_009_(Y)	N. carichi:	67
	Lista carichi: 790-856		
39	Autovett_010_(Y)	N. carichi:	69
	Lista carichi: 857-925		
40	Autovett_013_(X)	N. carichi:	91
	Lista carichi: 926-1016		
41	Autovett_014_(X)	N. carichi:	87
	Lista carichi: 1017-1103		
42	Autovett_014_(Y)	N. carichi:	9
	Lista carichi: 1104-1112		
43	Autovett_015_(X)	N. carichi:	15
	Lista carichi: 1113-1127		
44	Autovett_015_(Y)	N. carichi:	85
	Lista carichi: 1128-1212		
45	Autovett_018_(X)	N. carichi:	2
	Lista carichi: 1213-1214		
46	Autovett_018_(Y)	N. carichi:	79
	Lista carichi: 1215-1293		
47	Autovett_020_(Y)	N. carichi:	76
	Lista carichi: 1294-1369		
48	Autovett_022_(Y)	N. carichi:	50
	Lista carichi: 1370-1419		
49	Sisma_X	N. carichi:	95
	Lista carichi: 1420-1514		
50	Sisma_Y	N. carichi:	95
	Lista carichi: 1515-1609		
51	Torcente_add._X	N. carichi:	94
	Lista carichi: 1610-1703		
52	Torcente_add._Y	N. carichi:	94
	Lista carichi: 1704-1797		

NOME	DESCRIZIONE	VERIFICA	TIPO	CONDIZ. INSERITE			CASI INSERTITI	
				Num.	Coeff.	Segno	Num.	Coeff.
1	SLU SENZA SISMA	S. L. U.	somma	1	1.300	+		
				2	1.500	+		
				3	1.500	+		
				4	1.500	+		
				5	1.500	+		
				6	1.500	+		
				7	1.500	+		
				8	1.500	+		
				9	1.500	+		
				10	1.500	+		
				11	1.500	+		

				12	1.500	+		
				13	1.500	+		
				14	1.500	+		
				15	1.500	+		
				16	1.500	+		
				17	1.500	+		
				18	1.500	+		
				19	1.500	+		
				20	1.500	+		
				21	1.500	+		
				22	1.500	+		
				23	1.500	+		
2	SI SMAX SLU	nessuna	somma	24	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.		
				40	1.000	quadr.		
				41	1.000	quadr.		
				43	1.000	quadr.		
				45	1.000	quadr.		
				51	1.000	±		
3	SISMAX SLU	nessuna	somma	25	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.		
				39	1.000	quadr.		
				42	1.000	quadr.		
				44	1.000	quadr.		
				46	1.000	quadr.		
				47	1.000	quadr.		
				48	1.000	quadr.		
				52	1.000	±		
4	SLU con SISMAX PRINC	S. L. U.	somma	1	1.000	+	2	1.000
				2	1.000	+	3	0.300
				3	1.000	+		
				4	1.000	+		
				5	0.300	+		
				6	0.300	+		
				7	0.300	+		
				8	0.300	+		
				9	0.300	+		
				10	0.300	+		
				11	0.300	+		
				12	0.300	+		
				13	0.300	+		
				14	0.300	+		
				15	0.300	+		
				16	0.300	+		
				17	0.300	+		
				18	0.300	+		
				19	0.300	+		
				20	0.300	+		
				21	0.300	+		
				22	0.300	+		
				23	1.000	+		
5	SLU con SISMAX PRINC	S. L. U.	somma	1	1.000	+	3	1.000
				2	1.000	+	2	0.300
				3	1.000	+		
				4	1.000	+		
				5	0.300	+		
				6	0.300	+		
				7	0.300	+		
				8	0.300	+		
				9	0.300	+		
				10	0.300	+		
				11	0.300	+		
				12	0.300	+		
				13	0.300	+		
				14	0.300	+		
				15	0.300	+		
				16	0.300	+		
				17	0.300	+		
				18	0.300	+		
				19	0.300	+		
				20	0.300	+		
				21	0.300	+		
				22	0.300	+		
				23	1.000	+		
6	SLD con SISMAX PRINC	S. L. Danno	somma	1	1.000	+	2	0.379

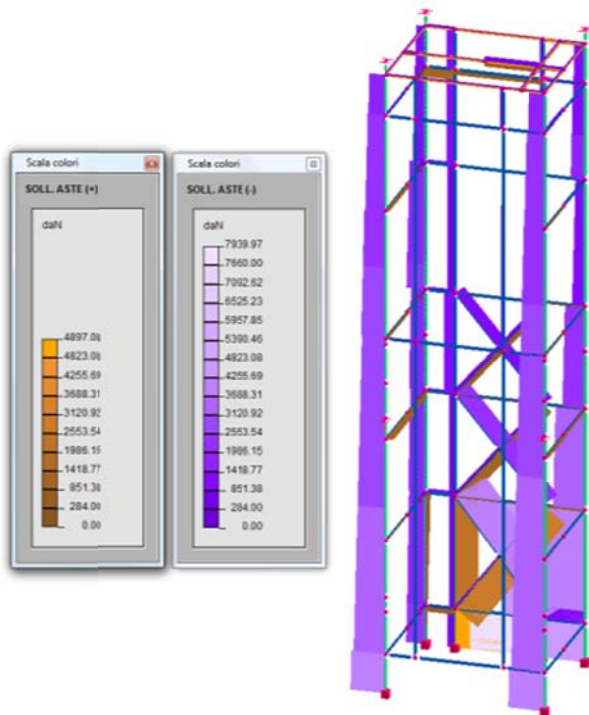
				2	1.000	+	3	0.114
				3	1.000	+		
				4	1.000	+		
				5	0.300	+		
				6	0.300	+		
				7	0.300	+		
				8	0.300	+		
				9	0.300	+		
				10	0.300	+		
				11	0.300	+		
				12	0.300	+		
				13	0.300	+		
				14	0.300	+		
				15	0.300	+		
				16	0.300	+		
				17	0.300	+		
				18	0.300	+		
				19	0.300	+		
				20	0.300	+		
				21	0.300	+		
				22	0.300	+		
				23	1.000	+		
7	SLD con SIMAY PRINC	S. L. Danno	somma	1	1.000	+	3	0.379
				2	1.000	+	2	0.114
				3	1.000	+		
				4	1.000	+		
				5	0.300	+		
				6	0.300	+		
				7	0.300	+		
				8	0.300	+		
				9	0.300	+		
				10	0.300	+		
				11	0.300	+		
				12	0.300	+		
				13	0.300	+		
				14	0.300	+		
				15	0.300	+		
				16	0.300	+		
				17	0.300	+		
				18	0.300	+		
				19	0.300	+		
				20	0.300	+		
				21	0.300	+		
				22	0.300	+		
				23	1.000	+		
8	Rara	Rara	somma	1	1.000	+		
				2	1.000	+		
				3	1.000	+		
				4	1.000	+		
				5	1.000	+		
				6	1.000	+		
				7	1.000	+		
				8	1.000	+		
				9	1.000	+		
				10	1.000	+		
				11	1.000	+		
				12	1.000	+		
				13	1.000	+		
				14	1.000	+		
				15	1.000	+		
				16	1.000	+		
				17	1.000	+		
				18	1.000	+		
				19	1.000	+		
				20	1.000	+		
				21	1.000	+		
				22	1.000	+		
				23	1.000	+		
9	Frequente	Freq.	somma	1	1.000	+		
				2	1.000	+		
				3	1.000	+		
				4	1.000	+		
				5	0.500	+		
				6	0.500	+		
				7	0.500	+		
				8	0.500	+		
				9	0.500	+		
				10	0.500	+		
				11	0.500	+		
				12	0.500	+		
				13	0.500	+		
				14	0.500	+		
				15	0.500	+		
				16	0.500	+		
				17	0.500	+		
				18	0.500	+		
				19	0.500	+		

					20	0.500	+		
					21	0.500	+		
					22	0.500	+		
					23	1.000	+		
10	Quasi Perm		Quasi Perm.	somma	1	1.000	+		
					2	1.000	+		
					3	1.000	+		
					4	1.000	+		
					5	0.300	+		
					6	0.300	+		
					7	0.300	+		
					8	0.300	+		
					9	0.300	+		
					10	0.300	+		
					11	0.300	+		
					12	0.300	+		
					13	0.300	+		
					14	0.300	+		
					15	0.300	+		
					16	0.300	+		
					17	0.300	+		
					18	0.300	+		
					19	0.300	+		
					20	0.300	+		
					21	0.300	+		
					22	0.300	+		
					23	1.000	+		

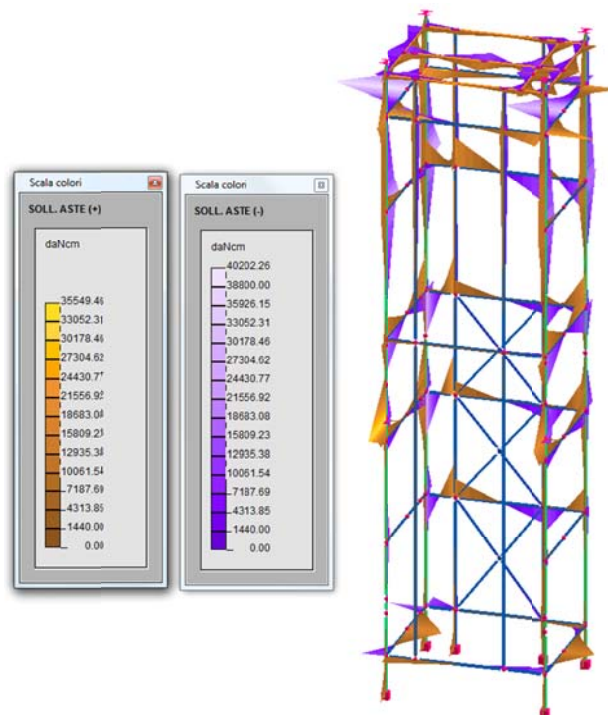
## 2.3 Diagrammi di sollecitazione

Si riportano i diagrammi di sollecitazione nell'involuppo SLU/SLV. I momenti e i tagli sono rappresentati nel piano in cui agiscono.

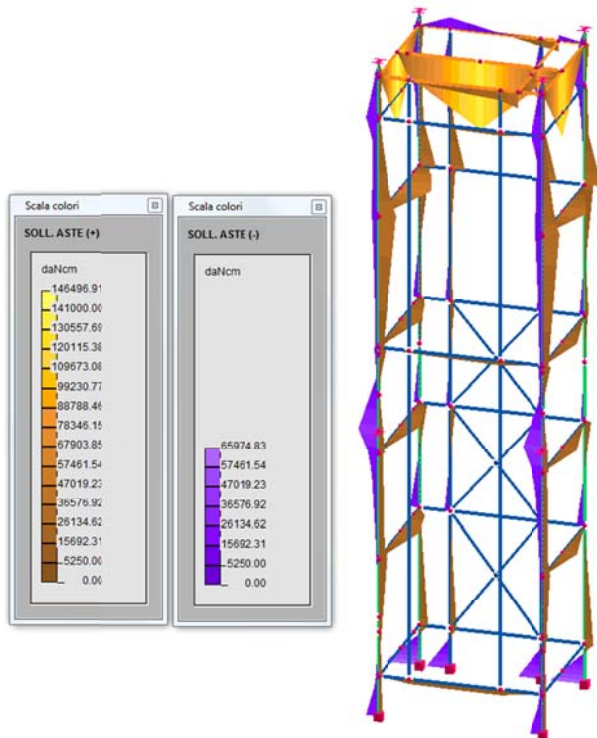
### 2.3.1 Sforzo normale



### 2.3.2 $M_y$

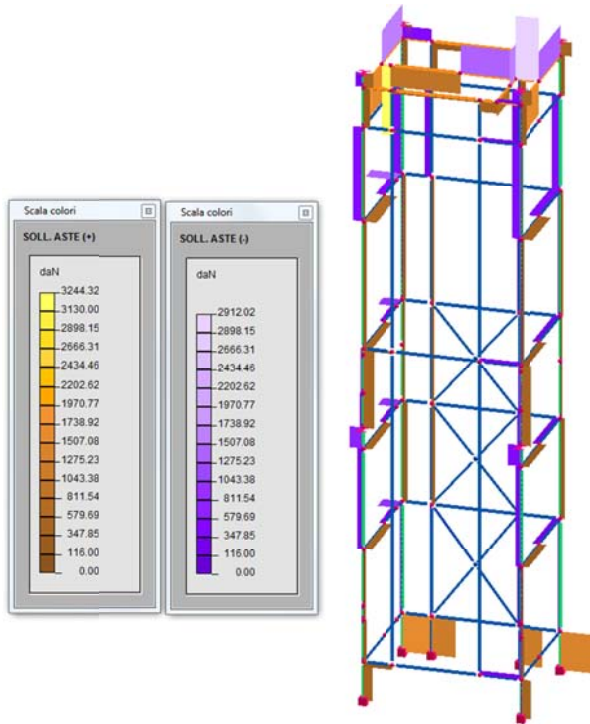


### 2.3.3 $M_z$

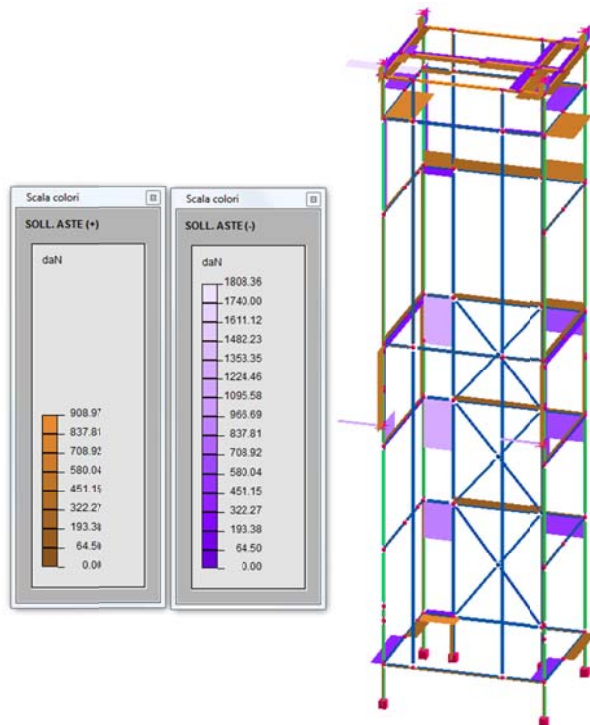




### 2.3.4 $T_y$



### 2.3.5 $T_z$



## 2.4 Riepilogo delle verifiche strutturali SLU/SLV

VERIFICA ELEMENTI IN ACCIAIO  
 VERIFICA ASTE IN ACCIAIO  
 RIASSUNTO DELLE ASTE VERIFICATE CON L'ULTIMO CALCOLO EFFETTUATO

Rapporti di tensioni:

asta | sez | profilo | Tau % | Sx % | Si % | Ss % | Max %

## Posto di Controllo Centralizzato - Relazione di calcolo – Scala metallica e vano ascensore

660	1	CASSONE_S001	4	14	15	14	15	Si
662	1	CASSONE_S001	6	18	19	0	19	Si
706	1	CASSONE_S001	16	26	28	0	28	Si
707	1	CASSONE_S001	5	28	29	22	29	Si
708	1	CASSONE_S001	4	28	28	0	28	Si
709	1	CASSONE_S001	6	15	16	11	16	Si
710	1	CASSONE_S001	4	14	14	3	14	Si
711	1	CASSONE_S001	3	14	14	11	14	Si
712	1	CASSONE_S001	5	24	24	18	24	Si
713	1	CASSONE_S001	6	23	23	7	23	Si
714	1	CASSONE_S001	4	12	13	3	13	Si
715	1	CASSONE_S001	3	12	12	9	12	Si
716	1	CASSONE_S001	4	11	12	9	12	Si
718	1	CASSONE_S001	7	19	21	15	21	Si
719	1	CASSONE_S001	6	41	41	0	41	Si
720	1	CASSONE_S001	5	40	40	42	42	Ss
721	1	CASSONE_S001	13	28	29	23	29	Si
722	1	CASSONE_S001	11	24	25	25	25	Si
723	1	CASSONE_S001	7	26	26	0	26	Si
724	1	CASSONE_S001	7	25	26	9	26	Si
725	1	CASSONE_S001	7	18	18	8	18	Si
726	1	CASSONE_S001	3	27	27	8	27	Si
727	1	CASSONE_S001	3	27	27	9	27	Si
728	1	CASSONE_S001	3	25	25	25	25	Ss
729	1	CASSONE_S001	6	31	31	0	31	Si
730	1	CASSONE_S001	6	31	31	25	31	Si
731	1	CASSONE_S001	6	20	21	11	21	Si
732	1	CASSONE_S001	6	20	20	19	20	Si
733	1	CASSONE_S001	2	20	20	8	20	Si
734	1	CASSONE_S001	2	20	20	8	20	Si
735	1	CASSONE_S001	4	19	19	4	19	Si
736	1	CASSONE_S001	3	19	20	15	20	Si
737	1	CASSONE_S001	4	25	25	0	25	Si
738	1	CASSONE_S001	8	16	17	12	17	Si
741	1	CASSONE_S001	10	17	18	13	18	Si
754	1	CASSONE_S001	5	5	7	5	7	Si
757	1	CASSONE_S001	3	11	11	12	12	Ss
758	1	CASSONE_S001	1	11	11	11	11	Ss
759	1	CASSONE_S001	2	11	11	12	12	Ss
763	1	CASSONE_S001	3	8	8	8	8	Si
764	1	CASSONE_S001	2	8	8	8	8	Si
765	1	CASSONE_S001	1	2	2	2	2	Ss
767	1	CASSONE_S001	1	2	2	2	2	Ss
768	1	CASSONE_S001	1	6	6	5	6	Si
769	1	CASSONE_S001	2	6	6	5	6	Si
771	1	CASSONE_S001	3	10	11	10	11	Si
772	1	CASSONE_S001	4	12	13	15	15	Ss
773	1	CASSONE_S001	1	6	7	5	7	Si
774	1	CASSONE_S001	2	6	6	5	6	Si
777	1	CASSONE_S001	7	9	11	2	11	Si
778	1	CASSONE_S001	6	8	9	2	9	Si
782	1	CASSONE_S001	9	48	48	7	48	Si
783	1	CASSONE_S001	7	48	48	33	48	Si
785	1	CASSONE_S001	1	18	18	15	18	Si
786	1	CASSONE_S001	1	9	9	6	9	Si
789	1	CASSONE_S001	1	5	5	2	5	Si
791	1	CASSONE_S001	1	7	7	6	7	Si
793	1	CASSONE_S001	3	22	22	9	22	Si
795	1	CASSONE_S001	3	12	12	7	12	Si
798	1	CASSONE_S001	13	20	22	16	22	Si
799	1	CASSONE_S001	1	6	6	4	6	Si
800	1	CASSONE_S001	4	14	14	4	14	Si
801	1	CASSONE_S001	3	11	11	3	11	Si
802	1	CASSONE_S001	1	2	2	0	2	Si
803	1	CASSONE_S001	1	7	7	6	7	Si
804	1	CASSONE_S001	2	8	8	0	8	Si
805	1	CASSONE_S001	4	12	13	0	13	Si
806	1	CASSONE_S001	1	6	6	0	6	Si
807	1	CASSONE_S001	4	14	14	1	14	Si
808	1	CASSONE_S001	1	15	15	4	15	Si
809	1	CASSONE_S001	2	9	9	5	9	Si
810	1	CASSONE_S001	1	9	9	6	9	Si
811	1	CASSONE_S001	1	10	10	8	10	Si
812	1	CASSONE_S001	3	22	22	11	22	Si
813	1	CASSONE_S001	4	16	16	10	16	Si
814	1	CASSONE_S001	3	12	13	10	13	Si
815	1	CASSONE_S001	4	13	13	10	13	Si
816	1	CASSONE_S001	1	9	9	0	9	Si
817	1	CASSONE_S001	2	10	10	6	10	Si
822	1	CASSONE_S001	1	8	8	1	8	Si
828	1	CASSONE_S001	1	5	5	5	5	Ss
829	1	CASSONE_S001	1	3	3	3	3	Ss
830	1	CASSONE_S001	1	7	7	1	7	Si
831	1	CASSONE_S001	1	5	5	5	5	Ss
832	1	CASSONE_S001	1	4	4	4	4	Ss
833	1	CASSONE_S001	1	3	3	1	3	Si
834	1	CASSONE_S001	1	3	3	1	3	Si
835	1	CASSONE_S001	1	11	11	11	11	Ss
836	1	CASSONE_S001	1	10	10	11	11	Ss
837	1	CASSONE_S001	1	2	2	2	2	Si
838	1	CASSONE_S001	1	2	2	1	2	Si
691	5	CASSONE_S005	10	52	52	39	52	Si
692	5	CASSONE_S005	9	51	51	39	51	Si
693	5	CASSONE_S005	11	56	56	44	56	Si
694	5	CASSONE_S005	9	57	57	46	57	Si
696	5	CASSONE_S005	5	6	6	5	6	Si
697	5	CASSONE_S005	5	12	12	9	12	Si
698	5	CASSONE_S005	5	8	8	6	8	Si
699	5	CASSONE_S005	15	6	15	4	15	Si
700	5	CASSONE_S005	18	17	22	12	22	Si

701	5	CASSONE_S005	22	17	25	13	25	Si
702	5	CASSONE_S005	18	18	20	14	20	Si
703	5	CASSONE_S005	4	53	53	35	53	Si
704	5	CASSONE_S005	5	53	53	34	53	Si
705	5	CASSONE_S005	16	37	38	21	38	Si
760	5	CASSONE_S005	3	5	5	4	5	Si
761	5	CASSONE_S005	2	10	10	9	10	Si
762	5	CASSONE_S005	4	15	15	15	15	Ss
818	5	CASSONE_S005	3	12	12	9	12	Si
819	5	CASSONE_S005	2	10	10	7	10	Si
663	6	CASSONE_S006	6	22	22	16	22	Si
664	6	CASSONE_S006	3	17	17	11	17	Si
665	6	CASSONE_S006	7	38	38	29	38	Si
666	6	CASSONE_S006	3	28	28	20	28	Si
667	6	CASSONE_S006	4	32	32	16	32	Si
668	6	CASSONE_S006	6	21	22	16	22	Si
669	6	CASSONE_S006	6	20	21	15	21	Si
670	6	CASSONE_S006	3	16	16	11	16	Si
671	6	CASSONE_S006	5	29	29	24	29	Si
672	6	CASSONE_S006	2	22	22	17	22	Si
673	6	CASSONE_S006	4	25	25	15	25	Si
674	6	CASSONE_S006	5	16	16	12	16	Si
675	6	CASSONE_S006	10	35	35	10	35	Si
676	6	CASSONE_S006	2	10	10	6	10	Si
677	6	CASSONE_S006	3	15	15	8	15	Si
678	6	CASSONE_S006	2	17	17	11	17	Si
679	6	CASSONE_S006	2	13	13	9	13	Si
680	6	CASSONE_S006	2	21	21	12	21	Si
681	6	CASSONE_S006	4	30	30	13	30	Si
682	6	CASSONE_S006	7	17	18	13	18	Si
683	6	CASSONE_S006	9	39	39	23	39	Si
684	6	CASSONE_S006	1	14	14	12	14	Si
685	6	CASSONE_S006	2	14	14	10	14	Si
686	6	CASSONE_S006	1	11	11	9	11	Si
687	6	CASSONE_S006	1	9	9	7	9	Si
688	6	CASSONE_S006	2	15	15	10	15	Si
689	6	CASSONE_S006	3	24	24	12	24	Si
690	6	CASSONE_S006	4	14	14	11	14	Si
739	6	CASSONE_S006	2	15	15	13	15	Si
740	6	CASSONE_S006	2	12	12	11	12	Si
742	6	CASSONE_S006	2	8	8	7	8	Si
743	6	CASSONE_S006	2	9	9	9	9	Si
744	6	CASSONE_S006	2	8	8	7	8	Si
745	6	CASSONE_S006	2	9	9	9	9	Si
746	6	CASSONE_S006	7	17	17	10	17	Si
747	6	CASSONE_S006	7	20	21	19	21	Si
748	6	CASSONE_S006	6	13	14	9	14	Si
749	6	CASSONE_S006	6	15	16	14	16	Si
750	6	CASSONE_S006	3	6	6	4	6	Si
751	6	CASSONE_S006	3	6	6	4	6	Si
752	6	CASSONE_S006	3	7	7	4	7	Si
753	6	CASSONE_S006	3	7	7	4	7	Si
775	6	CASSONE_S006	7	38	38	29	38	Si
776	6	CASSONE_S006	6	29	30	23	30	Si

## 2.5 Riepilogo delle verifiche strutturali SLU/SLV

### 2.6 Verifica estesa SLU/SLV

#### VERIFICA ELEMENTI IN ACCIAIO

lavoro : PCCSC8  
data : 2018\_04\_18\_10\_22

#### Unità di misura:

Lunghezze: cm  
Prop.Sez.: cm  
Forze: daN  
Momenti: daNcm  
Tensioni: daN/cm2

#### MATERIALI

S275 (EN 10025-2): Mod.El.= 2100000.0; gM = 1.050;  
fyk = 2750.0(2550.0 per sp>40 mm); fyd = 2619.0(2428.6 per sp>40 mm).

#### CASI DI CARICO

N	Descrizione	Soll.
1	SLU SENZA SISMA	1
4	SLU con SISMAX PRINC	16
5	SLU con SISMAX PRINC	16

#### CARATTERISTICHE GEOMETRICHE

##### CASSONE\_S001 ( 1 ) :

A = 19.0000E+00 Jz=286.5833E+00 Jy=286.5833E+00 Jt=428.6875E+00  
base= 10. ; alt= 10. ; spsup= 0. ; spsx= 0. ; spdx= 0. ; spinf= 0.

##### CASSONE\_S005 ( 5 ) :

A = 24.0000E+00 Jz=754.5000E+00 Jy=399.5000E+00 Jt=790.6276E+00  
base= 10. ; alt= 15. ; spsup= 0. ; spsx= 0. ; spdx= 0. ; spinf= 0.

##### CASSONE\_S006 ( 6 ) :

A = 29.4400E+00 Jz=418.4405E+00 Jy=418.4405E+00 Jt=622.9504E+00  
base= 10. ; alt= 10. ; spsup= 1. ; spsx= 1. ; spdx= 1. ; spinf= 1.

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 824- 1055) 660  
----- PROGR. 0.

#### SOLLECITAZIONI

| Caso | MZ | MY | MT | N | TZ | TY |

1-1			0.0	-20770.0	2190.8	-38.7	-287.9	45.0
TENSIONI (Sz=0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	-364.4	0.0	24.3	366.8	
1-1	si	7	Tz	-2.0	-58.3	0.0	101.0	
1-1	si	9	TySi	-364.4	0.0	-49.5	374.4	

5.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	225.3	-19312.5	2190.8	-38.7	-287.9	44.0

## TENSIONI (Sz=0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-342.9	0.0	24.3	345.5
1-1	si	7	Tz	-6.0	-58.3	0.0	101.2
1-1	si	9	TySi	-342.5	0.0	-49.4	353.0

10.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	445.7	-17855.0	2190.8	-38.7	-287.9	43.0

## TENSIONI (Sz=0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-321.3	0.0	24.3	324.1
1-1	si	7	Tz	-9.8	-58.3	0.0	101.5
1-1	si	9	TySi	-320.6	0.0	-49.3	331.7

15.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	661.1	-16397.5	2190.8	-38.7	-287.9	42.1

## TENSIONI (Sz=0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-299.7	0.0	24.3	302.6
1-1	si	7	Tz	-13.6	-58.3	0.0	101.9
1-1	si	9	TySi	-298.5	0.0	-49.2	310.4

20.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	871.5	-14940.0	2190.8	-38.7	-287.9	41.1

## TENSIONI (Sz=0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-277.9	0.0	24.3	281.1
1-1	si	7	Tz	-17.2	-58.3	0.0	102.5
1-1	si	9	TySi	-276.4	0.0	-49.2	289.2

25.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	1076.9	-13482.5	2190.8	-38.7	-287.9	40.1

## TENSIONI (Sz=0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-256.1	0.0	24.3	259.5
1-1	si	7	Tz	-20.8	-58.3	0.0	103.1
1-1	si	9	TySi	-254.2	0.0	-49.1	268.0

30.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	1277.4	-12025.0	2190.8	-38.7	-287.9	39.1

## TENSIONI (Sz=0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-234.1	0.0	24.3	237.9
1-1	si	7	Tz	-24.3	-58.3	0.0	103.9
1-1	si	9	TySi	-231.9	0.0	-49.0	246.9

35.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	1472.9	-10567.5	2190.8	-38.7	-287.9	38.1

## TENSIONI (Sz=0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-212.1	0.0	24.3	216.2
1-1	si	7	Tz	-27.7	-58.3	0.0	104.7
1-1	si	9	TySi	-209.5	0.0	-48.9	226.0

40.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	1663.4	-9110.0	2190.8	-38.7	-287.9	37.1

## TENSIONI (Sz=0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-190.0	0.0	24.3	194.6
1-1	si	7	Tz	-31.1	-58.3	0.0	105.7
1-1	si	9	TySi	-187.1	0.0	-48.8	205.3

## VERIFICA STABILITA` :

L0 = 40.  
 Z Lc = 40. | Ro = 3.88 | lm = 10.4 | Ncr = 3621261.8 | alfa(a) = 0.2100 | ki = 1.0000 |  
 Y Lc = 40. | Ro = 3.88 | lm = 10.4 | Ncr = 3621261.8 | alfa(a) = 0.2100 | ki = 1.0000 |  
 Caso 1-1 - Nodo 1 - Asse Z  
 Ned = -38.7 | Mzeq = 1247.6 | Myeq = -19422.0 | Ss = -362.7 ( 0.138 )

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 828- 1080 ) 662  
 0.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	22853.5	5731.3	1195.9	269.1	3.9

## TENSIONI (Sz=0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	461.7	0.0	63.5	474.6
1-1	si	7	Tz	62.9	95.3	0.0	176.7
1-1	si	10	Ty	-335.8	0.0	-83.9	365.9
1-1	si	11	Si	461.7	0.0	-83.9	484.0

5.

## Posto di Controllo Centralizzato - Relazione di calcolo – Scala metallica e vano ascensore

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 17.4 21491.1 5731.3 1195.9 269.1 2.9

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si  
 1- 1 si 4 Sx 438.2 0.0 63.5 451.8  
 1- 1 si 7 Tz 62.6 95.3 0.0 176.6  
 1- 1 si 10 Ty -312.3 0.0 -83.8 344.4  
 1- 1 si 11 Si 438.2 0.0 -83.8 461.6

PROGR. 10.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 29.8 20128.7 5731.3 1195.9 269.1 2.0

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si  
 1- 1 si 4 Sx 414.6 0.0 63.5 429.0  
 1- 1 si 7 Tz 62.4 95.3 0.0 176.5  
 1- 1 si 10 Ty -288.7 0.0 -83.7 323.1  
 1- 1 si 11 Si 414.6 0.0 -83.7 439.2

PROGR. 15.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 37.3 18766.3 5731.3 1195.9 269.1 1.0

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si  
 1- 1 si 4 Sx 391.0 0.0 63.5 406.2  
 1- 1 si 7 Tz 62.3 95.3 0.0 176.5  
 1- 1 si 10 Ty -265.1 0.0 -83.7 302.1  
 1- 1 si 11 Si 390.9 0.0 -83.7 416.9

PROGR. 20.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 39.8 17403.9 5731.3 1195.9 269.1 0.0

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si  
 1- 1 si 4 Sx 367.3 0.0 63.5 383.4  
 1- 1 si 7 Tz 62.2 95.3 0.0 176.4  
 1- 1 si 10 Ty -241.3 0.0 -83.6 281.4  
 1- 1 si 11 Si 367.2 0.0 -83.6 394.7

PROGR. 25.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 37.3 16041.5 5731.3 1195.9 269.1 -1.0

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si  
 1- 1 si 4 Sx 343.5 0.0 63.5 360.7  
 1- 1 si 7 Tz 62.3 95.3 0.0 176.5  
 1- 1 si 9 Ty 342.2 0.0 83.7 371.6  
 1- 1 si 11 Si 343.4 0.0 -83.5 372.6

PROGR. 30.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 29.8 14679.1 5731.3 1195.9 269.1 -2.0

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si  
 1- 1 si 4 Sx 319.6 0.0 63.5 338.0  
 1- 1 si 7 Tz 62.4 95.3 0.0 176.5  
 1- 1 si 9 Ty 318.6 0.0 83.7 350.0  
 1- 1 si 11 Si 319.5 0.0 -83.4 350.7

PROGR. 35.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 17.4 13316.7 5731.3 1195.9 269.1 -2.9

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si  
 1- 1 si 4 Sx 295.6 0.0 63.5 315.4  
 1- 1 si 7 Tz 62.6 95.3 0.0 176.6  
 1- 1 si 9 Ty 295.0 0.0 83.8 328.8  
 1- 1 si 11 Si 295.6 0.0 -83.3 328.9

PROGR. 40.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 0.0 11954.3 5731.3 1195.9 269.1 -3.9

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si  
 1- 1 si 4 Sx 271.5 0.0 63.5 292.9  
 1- 1 si 7 Tz 62.9 95.3 0.0 176.7  
 1- 1 si 9 TySi 271.5 0.0 83.9 308.0

VERIFICA STABILITA` : asta tesa per tutti i casi di carico.

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 866- 828) 706  
 PROGR. 0.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 371.9 -9116.9 -1248.5 755.5 -1808.4 -12.7

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si  
 1- 1 si 3 Sx 205.3 0.0 13.8 206.7  
 1- 1 si 7 Tz 33.3 -227.6 0.0 395.6  
 1- 1 si 10 Ty 193.0 0.0 149.8 323.3  
 1- 1 si 8 Si 46.3 -227.6 0.0 396.9

PROGR. 3.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 4- 8 255.3 -6822.9 -4276.7 136.1 -270.9 -10.2  
 1- 1 331.9 -3533.6 -1248.5 755.5 -1808.4 -13.3

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si

4-8	si	3	Sx	130.7	0.0	47.4	154.3
1-1	si	7	Tz	34.0	-227.6	0.0	395.7
1-1	si	10	Ty	96.2	0.0	149.8	276.7
1-1	si	8	Si	45.6	-227.6	0.0	396.8

----- PROGR. 6.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4-9	223.1	6755.1	3716.2	162.1	-451.8	-10.7
1-1	290.0	2049.7	-1248.5	755.5	-1808.4	-13.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-9	si	4	Sx	130.3	0.0	41.2	148.5
1-1	si	7	Tz	34.7	-227.6	0.0	395.7
1-1	si	10	Ty	-0.6	0.0	149.9	259.6
1-1	si	8	Si	44.8	-227.6	0.0	396.7

----- PROGR. 9.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	246.3	7633.0	-1248.5	755.5	-1808.4	-14.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	4	Sx	177.2	0.0	13.8	178.8
1-1	si	7	Tz	35.5	-227.6	0.0	395.8
1-1	si	10	Ty	-97.3	0.0	149.9	277.3
1-1	si	8	Si	44.1	-227.6	0.0	396.6

----- PROGR. 12.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	200.7	13216.3	-1248.5	755.5	-1808.4	-15.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	4	Sx	273.8	0.0	13.8	274.9
1-1	si	7	Tz	36.3	-227.6	0.0	395.9
1-1	si	10	Ty	-194.0	0.0	150.0	324.2
1-1	si	8	Si	43.3	-227.6	0.0	396.6

----- PROGR. 15.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	153.3	18799.6	-1248.5	755.5	-1808.4	-15.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	4	Sx	370.4	0.0	13.8	371.2
1-1	si	7	Tz	37.1	-227.6	0.0	395.9
1-1	si	10	Ty	-290.6	0.0	150.0	389.8
1-1	si	11	Si	370.2	0.0	150.0	452.2

----- PROGR. 19.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	104.1	24382.9	-1248.5	755.5	-1808.4	-16.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	4	Sx	467.0	0.0	13.8	467.6
1-1	si	7	Tz	37.9	-227.6	0.0	396.0
1-1	si	10	Ty	-387.3	0.0	150.1	466.4
1-1	si	11	Si	466.8	0.0	150.1	534.3

----- PROGR. 22.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	53.0	29966.2	-1248.5	755.5	-1808.4	-16.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	4	Sx	563.5	0.0	13.8	564.0
1-1	si	7	Tz	38.8	-227.6	0.0	396.1
1-1	si	10	Ty	-483.9	0.0	150.1	549.3
1-1	si	11	Si	563.4	0.0	150.1	620.5

----- PROGR. 25.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	35549.5	-1248.5	755.5	-1808.4	-17.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	4	Sx	660.0	0.0	13.8	660.4
1-1	si	7	Tz	39.8	-227.6	0.0	396.2
1-1	si	10	Ty	-580.5	0.0	150.2	636.1
1-1	si	11	Si	660.0	0.0	150.2	709.4

-----  
VERIFICA STABILITA` : asta tesa per tutti i casi di carico.CASSONE\_S001 ( 1) ----- stato limite ultimo - ASTA ( 824- 867) 707  
----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	30342.1	-1248.5	-276.5	717.6	17.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-543.9	0.0	13.8	544.5
1-1	si	7	Tz	-14.6	98.7	0.0	171.5
1-1	si	10	TySi	-543.9	0.0	-68.8	556.8

----- PROGR. 12.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	199.8	21524.0	-1248.5	-276.5	717.6	15.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-393.6	0.0	13.8	394.3
1-1	si	7	Tz	-18.0	98.7	0.0	171.8
1-1	si	10	TySi	-393.2	0.0	-68.6	410.8

----- PROGR. 25.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	370.3	12706.0	-1248.5	-276.5	717.6	12.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-242.7	0.0	13.8	243.9
1- 1	si	7	Tz	-21.0	98.7	0.0	172.2
1- 1	si	10	TySi	-242.0	0.0	-68.4	269.5

PROGR. 37.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 6	393.5	5853.5	-4243.8	-51.0	233.9	7.9
1- 1	511.5	3888.0	-1248.5	-276.5	717.6	10.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4- 6	si	2	Sx	-111.7	0.0	47.0	138.2
1- 1	si	7	Tz	-23.5	98.7	0.0	172.5
1- 1	si	10	Ty	-90.4	0.0	-68.2	148.8

PROGR. 49.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	623.5	-4930.1	-1248.5	-276.5	717.6	7.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-111.4	0.0	13.8	114.0
1- 1	si	7	Tz	-25.4	98.7	0.0	172.8
1- 1	si	10	Ty	61.7	0.0	-68.0	133.0

PROGR. 61.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	706.2	-13748.1	-1248.5	-276.5	717.6	5.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-266.7	0.0	13.8	267.8
1- 1	si	7	Tz	-26.9	98.7	0.0	173.0
1- 1	si	10	Ty	214.2	0.0	-67.8	244.3
1- 1	si	9	Si	-265.5	0.0	66.9	289.7

PROGR. 74.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	759.6	-22566.2	-1248.5	-276.5	717.6	3.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-421.5	0.0	13.8	422.2
1- 1	si	7	Tz	-27.8	98.7	0.0	173.1
1- 1	si	10	Ty	367.2	0.0	-67.6	385.5
1- 1	si	9	Si	-420.2	0.0	67.1	436.0

PROGR. 86.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	783.7	-31384.2	-1248.5	-276.5	717.6	0.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-575.8	0.0	13.8	576.3
1- 1	si	7	Tz	-28.2	98.7	0.0	173.2
1- 1	si	10	Ty	520.7	0.0	-67.4	533.6
1- 1	si	9	Si	-574.4	0.0	67.3	586.1

PROGR. 98.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	778.6	-40202.3	-1248.5	-276.5	717.6	-1.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-729.5	0.0	13.8	729.9
1- 1	si	7	Tz	-28.1	98.7	0.0	173.2
1- 1	si	9	TySi	-728.2	0.0	67.5	737.5

VERIFICA STABILITA` :

L0 = 98.  
 Z | Lc = 98. | Ro = 3.88 | lm = 25.3 | Ncr = 614699.6 | alfa(a) = 0.2100 | ki = 0.9795 |  
 Y | Lc = 98. | Ro = 3.88 | lm = 25.3 | Ncr = 614699.6 | alfa(a) = 0.2100 | ki = 0.9795 |  
 Caso 1- 1 - Nodo 1 - Asse Z  
 Ned = -276.5 | Mzeq = 709.1 | Myeq = -30151.7 | Ss = -553.5 ( 0.211 )

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 867- 866) 708  
 ----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	778.6	-40202.3	-1248.5	239.5	-545.4	-1.6
4- 9	598.9	-8460.7	3716.2	59.5	-198.8	-1.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	727.6	0.0	13.8	728.0
1- 1	si	7	Tz	-1.0	-78.3	0.0	135.6
4- 9	si	10	Ty	141.3	0.0	56.1	171.5
1- 1	si	12	Si	726.2	0.0	-54.4	732.3

PROGR. 7.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	762.2	-36316.6	-1248.5	239.5	-545.4	-3.0
4- 9	586.3	-5928.7	3716.2	59.5	-198.8	-2.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	659.5	0.0	13.8	660.0
1- 1	si	7	Tz	-0.7	-78.3	0.0	135.6
4- 9	si	10	Ty	97.4	0.0	56.2	137.7
1- 1	si	12	Si	658.2	0.0	-54.3	664.9

PROGR. 14.

SOLLECITAZIONI :

## Posto di Controllo Centralizzato - Relazione di calcolo – Scala metallica e vano ascensore

Caso	MZ	MY	MT	N	TZ	TY
1- 1	736.0	-32430.9	-1248.5	239.5	-545.4	-4.4
4- 9	566.1	-4545.3	3716.2	59.5	-198.8	-3.4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	591.3	0.0	13.8	591.8
1- 1	si	7	Tz	-0.2	-78.3	0.0	135.6
4- 9	si	10	Ty	73.5	0.0	56.3	122.1
1- 1	si	12	Si	590.0	0.0	-54.1	597.4

----- PROGR. 21.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	699.9	-28545.3	-1248.5	239.5	-545.4	-5.8
4- 9	538.4	-3142.4	3716.2	59.5	-198.8	-4.4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	522.8	0.0	13.8	523.4
1- 1	si	7	Tz	0.4	-78.3	0.0	135.6
4- 9	si	10	Ty	49.5	0.0	56.4	109.5
1- 1	si	12	Si	521.6	0.0	-54.0	530.0

----- PROGR. 29.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	654.0	-24659.6	-1248.5	239.5	-545.4	-7.1
4- 9	503.1	-1730.8	3716.2	59.5	-198.8	-5.5

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	454.2	0.0	13.8	454.9
1- 1	si	7	Tz	1.2	-78.3	0.0	135.6
4- 9	si	10	Ty	25.4	0.0	56.5	101.0
1- 1	si	12	Si	453.1	0.0	-53.9	462.6

----- PROGR. 36.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	598.2	-20773.9	-1248.5	239.5	-545.4	-8.5
4- 9	460.2	-314.0	3716.2	59.5	-198.8	-6.6

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	385.5	0.0	13.8	386.2
1- 1	si	7	Tz	2.2	-78.3	0.0	135.6
4- 9	si	10	Ty	1.4	0.0	56.5	97.9
1- 1	si	12	Si	384.4	0.0	-53.8	395.6

----- PROGR. 43.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	532.6	-16888.3	-1248.5	239.5	-545.4	-9.9
4- 9	409.7	1106.7	3716.2	59.5	-198.8	-7.6

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	316.5	0.0	13.8	317.5
1- 1	si	7	Tz	3.3	-78.3	0.0	135.7
4- 9	si	10	Ty	-22.6	0.0	56.6	100.7
1- 1	si	12	Si	315.6	0.0	-53.7	329.0

----- PROGR. 50.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	457.2	-13002.6	-1248.5	239.5	-545.4	-11.3
4- 9	351.7	2530.4	3716.2	59.5	-198.8	-8.7

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	247.4	0.0	13.8	248.6
1- 1	si	7	Tz	4.6	-78.3	0.0	135.7
4- 9	si	10	Ty	-46.5	0.0	56.7	108.7
1- 1	si	12	Si	246.6	0.0	-53.6	263.5

----- PROGR. 57.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	371.9	-9116.9	-1248.5	239.5	-545.4	-12.7
4- 9	286.1	3956.6	3716.2	59.5	-198.8	-9.7

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	178.2	0.0	13.8	179.8
1- 1	si	7	Tz	6.1	-78.3	0.0	135.8
4- 9	si	10	Ty	-70.4	0.0	56.8	121.0
1- 1	si	12	Si	177.5	0.0	-53.5	200.2

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VERIFICA STABILITA` : asta tesa per tutti i casi di carico.

CASSONE\_S001 ( 1) stato limite ultimo - ASTA ( 868- 826) 709  
----- PROGR. 0.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	371.9	2449.5	-1288.4	-373.2	909.0	-12.7

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-68.9	0.0	14.3	73.2
1- 1	si	7	Tz	-26.1	121.7	0.0	212.4
1- 1	si	9	Ty	17.3	0.0	83.1	145.0

----- PROGR. 3.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
5-16	255.3	-1499.0	68.1	-132.8	196.1	-10.2
1- 1	331.9	-357.0	-1288.4	-373.2	909.0	-13.3

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-16	si	1	Sx	-37.6	0.0	0.8	37.6
1- 1	si	7	Tz	-25.4	121.7	0.0	212.4
1- 1	si	9	Ty	-31.1	0.0	83.2	147.4

----- PROGR. 6.



SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1-1		290.0	-3163.4	-1288.4	-373.2	909.0	-13.9
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-79.9	0.0	14.3	83.6
1-1	si	7	Tz	-24.7	121.7	0.0	212.3
1-1	si	9	Ty	-79.4	0.0	83.2	164.6

PROGR. 9.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1-1		246.3	-5969.8	-1288.4	-373.2	909.0	-14.5
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-128.1	0.0	14.3	130.5
1-1	si	7	Tz	-23.9	121.7	0.0	212.2
1-1	si	9	Ty	-127.7	0.0	83.3	192.6

PROGR. 12.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1-1		200.7	-8776.3	-1288.4	-373.2	909.0	-15.1
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-176.3	0.0	14.3	178.0
1-1	si	7	Tz	-23.1	121.7	0.0	212.1
1-1	si	9	TySi	-175.9	0.0	83.3	227.5

PROGR. 15.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1-1		153.3	-11582.7	-1288.4	-373.2	909.0	-15.7
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-224.4	0.0	14.3	225.8
1-1	si	7	Tz	-22.3	121.7	0.0	212.0
1-1	si	9	TySi	-224.1	0.0	83.4	266.6

PROGR. 19.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1-1		104.1	-14389.2	-1288.4	-373.2	909.0	-16.3
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-272.5	0.0	14.3	273.6
1-1	si	7	Tz	-21.5	121.7	0.0	211.9
1-1	si	9	TySi	-272.3	0.0	83.4	308.3

PROGR. 22.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1-1		53.0	-17195.6	-1288.4	-373.2	909.0	-16.9
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-320.6	0.0	14.3	321.5
1-1	si	7	Tz	-20.6	121.7	0.0	211.8
1-1	si	9	TySi	-320.5	0.0	83.5	351.6

PROGR. 25.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1-1		0.0	-20002.1	-1288.4	-373.2	909.0	-17.5
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-368.6	0.0	14.3	369.4
1-1	si	7	Tz	-19.6	121.7	0.0	211.7
1-1	si	9	TySi	-368.6	0.0	83.5	396.0

## VERIFICA STABILITA` :

$L_0 = 25.$   
 $Z \quad |L_c = 25. |Ro = 3.88 |lm = 6.4 |Ncr = 9735899.1 |alfa(a) = 0.2100 |ki = 1.0000 |$   
 $Y \quad |L_c = 25. |Ro = 3.88 |lm = 6.4 |Ncr = 9735899.1 |alfa(a) = 0.2100 |ki = 1.0000 |$   
 Caso 1-1 - Nodo 1 - Asse Z  
 $Ned = -373.2 |Mzeq = 278.9 |Myeq = -15001.5 |Ss = -286.2 ( 0.109)$

CASSONE\_S001 ( 1) stato limite ultimo - ASTA ( 822- 869) 710  
 ----- PROGR. 0.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1-1		0.0	-13492.8	-1288.4	37.8	-330.0	17.5
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	237.4	0.0	14.3	238.7
1-1	si	7	Tz	2.0	-53.3	0.0	92.3
1-1	si	9	Ty	-233.4	0.0	-40.3	243.6
1-1	si	12	Si	237.4	0.0	-40.3	247.5

PROGR. 12.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1-1		199.8	-9437.6	-1288.4	37.8	-330.0	15.1
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	170.1	0.0	14.3	171.9
1-1	si	7	Tz	-1.5	-53.3	0.0	92.3
1-1	si	9	Ty	-165.8	0.0	-40.1	179.8
1-1	si	12	Si	169.8	0.0	-40.1	183.5

PROGR. 25.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1-1		370.3	-5382.3	-1288.4	37.8	-330.0	12.7
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	102.4	0.0	14.3	105.3

1-1	si	7	Tz	-4.5	-53.3	0.0	92.4
1-1	si	9	Ty	-97.7	0.0	-39.9	119.7
1-1	si	12	Si	101.7	0.0	-39.9	123.0

----- PROGR. 37.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	511.5	-1327.1	-1288.4	37.8	-330.0	10.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	34.1	0.0	14.3	42.1
1-1	si	7	Tz	-6.9	-53.3	0.0	92.6
1-1	si	9	Ty	-29.2	0.0	-39.7	74.8
1-1	si	8	Si	10.9	-53.3	0.0	92.9

----- PROGR. 49.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	623.5	2728.2	-1288.4	37.8	-330.0	7.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	4	Sx	60.5	0.0	14.3	65.3
1-1	si	7	Tz	-8.9	-53.3	0.0	92.7
1-1	si	9	Ty	39.8	0.0	-39.5	79.2
1-1	si	8	Si	12.9	-53.3	0.0	93.2

----- PROGR. 61.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	706.2	6783.5	-1288.4	37.8	-330.0	5.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	4	Sx	132.7	0.0	14.3	134.9
1-1	si	7	Tz	-10.3	-53.3	0.0	92.9
1-1	si	9	Ty	109.3	0.0	-39.4	128.8
1-1	si	11	Si	131.4	0.0	38.4	147.3

----- PROGR. 74.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	759.6	10838.7	-1288.4	37.8	-330.0	3.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	4	Sx	204.3	0.0	14.3	205.8
1-1	si	7	Tz	-11.3	-53.3	0.0	93.0
1-1	si	9	Ty	179.2	0.0	-39.2	191.6
1-1	si	11	Si	203.0	0.0	38.6	213.8

----- PROGR. 86.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	783.7	14894.0	-1288.4	37.8	-330.0	0.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	4	Sx	275.5	0.0	14.3	276.6
1-1	si	7	Tz	-11.7	-53.3	0.0	93.0
1-1	si	9	Ty	249.5	0.0	-39.0	258.5
1-1	si	11	Si	274.2	0.0	38.8	282.3

----- PROGR. 98.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	778.6	18949.2	-1288.4	37.8	-330.0	-1.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	4	Sx	346.2	0.0	14.3	347.1
1-1	si	7	Tz	-11.6	-53.3	0.0	93.0
1-1	si	10	Ty	-340.8	0.0	39.0	347.5
1-1	si	11	Si	344.8	0.0	39.0	351.4

## VERIFICA STABILITA` :

L0 = 98.  
 Z |Lc = 98. |Ro = 3.88 |lm = 25.3 |Ncr= 614699.6 |alfa(a)=0.2100 |ki=0.9795 |  
 Y |Lc = 98. |Ro = 3.88 |lm = 25.3 |Ncr= 614699.6 |alfa(a)=0.2100 |ki=0.9795 |  
 Caso 4- 8 - Nodo 2 - Asse Z  
 Ned = -10.8 |Mzeq = 545.4 |Myeq = 2864.2 |Ss = -60.1 ( 0.023)

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 869- 868 ) 711  
 ----- PROGR. 0.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	778.6	18949.2	-1288.4	-167.7	289.5	-1.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-353.0	0.0	14.3	353.9
1-1	si	7	Tz	-22.4	48.5	0.0	86.9
1-1	si	9	Ty	309.6	0.0	36.0	315.8
1-1	si	10	Si	-351.7	0.0	-35.7	357.1

----- PROGR. 7.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	762.2	16886.8	-1288.4	-167.7	289.5	-3.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-316.7	0.0	14.3	317.7
1-1	si	7	Tz	-22.1	48.5	0.0	86.9
1-1	si	9	Ty	273.8	0.0	36.1	280.9
1-1	si	10	Si	-315.4	0.0	-35.6	321.4

----- PROGR. 14.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	736.0	14824.3	-1288.4	-167.7	289.5	-4.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
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1-1	si	2	Sx	-280.3	0.0	14.3	281.4
1-1	si	7	Tz	-21.7	48.5	0.0	86.7
1-1	si	9	Ty	238.3	0.0	36.2	246.4
1-1	si	10	Si	-279.0	0.0	-35.5	285.7

----- PROGR. 21.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	699.9	12761.8	-1288.4	-167.7	289.5	-5.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-243.7	0.0	14.3	244.9
1-1	si	7	Tz	-21.0	48.5	0.0	86.6
1-1	si	9	Ty	202.8	0.0	36.3	212.4
1-1	si	10	Si	-242.5	0.0	-35.4	250.1

----- PROGR. 29.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	654.0	10699.4	-1288.4	-167.7	289.5	-7.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-206.9	0.0	14.3	208.4
1-1	si	7	Tz	-20.2	48.5	0.0	86.4
1-1	si	9	Ty	167.6	0.0	36.5	179.1
1-1	si	10	Si	-205.8	0.0	-35.3	214.6

----- PROGR. 36.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	598.2	8636.9	-1288.4	-167.7	289.5	-8.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-169.9	0.0	14.3	171.7
1-1	si	7	Tz	-19.3	48.5	0.0	86.2
1-1	si	9	Ty	132.5	0.0	36.6	146.8
1-1	si	10	Si	-168.9	0.0	-35.2	179.5

----- PROGR. 43.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	532.6	6574.4	-1288.4	-167.7	289.5	-9.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-132.8	0.0	14.3	135.1
1-1	si	7	Tz	-18.1	48.5	0.0	85.9
1-1	si	9	Ty	97.5	0.0	36.7	116.4
1-1	si	10	Si	-131.9	0.0	-35.0	145.2

----- PROGR. 50.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	457.2	4511.9	-1288.4	-167.7	289.5	-11.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-95.5	0.0	14.3	98.7
1-1	si	7	Tz	-16.8	48.5	0.0	85.7
1-1	si	9	Ty	62.7	0.0	36.8	89.4
1-1	si	10	Si	-94.7	0.0	-34.9	112.4

----- PROGR. 57.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	371.9	2449.5	-1288.4	-167.7	289.5	-12.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-58.0	0.0	14.3	63.1
1-1	si	7	Tz	-15.3	48.5	0.0	85.4
1-1	si	9	Ty	28.1	0.0	36.9	69.8

## VERIFICA STABILITA` :

L0 = 57.0  
 Z | Lc = 57.0 | Ro = 3.88 | lm = 14.7 | Ncr = 1828185.5 | alfa(a) = 0.2100 | ki = 1.0000  
 Y | Lc = 57.0 | Ro = 3.88 | lm = 14.7 | Ncr = 1828185.5 | alfa(a) = 0.2100 | ki = 1.0000  
 Caso 1-1 - Nodo 2 - Asse Z  
 Ned = -167.7 | Mzeq = 778.6 | Myeq = 14211.9 | Ss = -270.4 ( 0.103)

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 825- 870) 712  
 ----- PROGR. 0.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	26584.7	-1067.9	-460.7	707.5	17.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-488.1	0.0	11.8	488.5
1-1	si	7	Tz	-24.2	95.5	0.0	167.1
1-1	si	10	TySi	-488.1	0.0	-66.0	501.3

----- PROGR. 11.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	172.7	19147.5	-1067.9	-460.7	707.5	15.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-361.3	0.0	11.8	361.9
1-1	si	7	Tz	-27.3	95.5	0.0	167.6
1-1	si	10	TySi	-361.0	0.0	-65.9	378.6

----- PROGR. 21.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	324.0	11710.4	-1067.9	-460.7	707.5	13.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-234.2	0.0	11.8	235.1
1-1	si	7	Tz	-29.9	95.5	0.0	168.0

1- 1 si 10	TySi	-233.6	0.0	-65.7	259.9		
-----							
PROGR. 32.							
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
4- 8	349.2	6213.4	-4201.0	-79.1	227.8	8.7	
1- 1	453.9	4273.3	-1067.9	-460.7	707.5	11.3	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4- 8 si  2	Sx			-118.7	0.0	46.5	143.5
1- 1 si  7	Tz	Si		-32.2	95.5	0.0	168.4
1- 1 si 10	Ty			-105.9	0.0	-65.5	155.3
-----							
PROGR. 42.							
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
4- 9	432.6	-5029.8	3768.6	-109.0	56.2	7.2	
1- 1	562.4	-3163.9	-1067.9	-460.7	707.5	9.3	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4- 9 si  1	Sx			-101.0	0.0	41.8	124.3
1- 1 si  7	Tz	Si		-34.1	95.5	0.0	168.8
1- 1 si 10	Ty			22.1	0.0	-65.4	115.4
-----							
PROGR. 53.							
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	649.4	-10601.0	-1067.9	-460.7	707.5	7.3	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1 si  1	Sx			-220.5	0.0	11.8	221.5
1- 1 si  7	Tz	Si		-35.6	95.5	0.0	169.1
1- 1 si 10	Ty			150.5	0.0	-65.2	188.2
1- 1 si  9	Si			-219.4	0.0	64.0	245.8
-----							
PROGR. 63.							
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	715.0	-18038.1	-1067.9	-460.7	707.5	5.2	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1 si  1	Sx			-351.4	0.0	11.8	352.0
1- 1 si  7	Tz	Si		-36.7	95.5	0.0	169.4
1- 1 si 10	Ty			279.2	0.0	-65.0	301.1
1- 1 si  9	Si			-350.2	0.0	64.2	367.4
-----							
PROGR. 74.							
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	759.2	-25475.3	-1067.9	-460.7	707.5	3.2	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1 si  1	Sx			-482.0	0.0	11.8	482.4
1- 1 si  7	Tz	Si		-37.5	95.5	0.0	169.5
1- 1 si 10	Ty			408.3	0.0	-64.9	423.5
1- 1 si  9	Si			-480.6	0.0	64.3	493.4
-----							
PROGR. 84.							
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	781.9	-32912.4	-1067.9	-460.7	707.5	1.1	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1 si  1	Sx			-612.1	0.0	11.8	612.5
1- 1 si  7	Tz	Si		-37.9	95.5	0.0	169.6
1- 1 si 10	Ty			537.7	0.0	-64.7	549.2
1- 1 si  9	Si			-610.7	0.0	64.5	620.9
-----							
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	781.9	-32912.4	-1067.9	-460.7	707.5	1.1	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1 si  3	Sx			590.8	0.0	11.8	591.1
1- 1 si  7	Tz	Si		-10.7	-77.5	0.0	134.7
4-10 si  9	Ty			-139.7	0.0	-56.9	170.9
1- 1 si 12	Si			589.4	0.0	-53.4	596.6
-----							
PROGR. 12.							
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	781.7	-26252.8	-1067.9	55.3	-555.5	-1.2	
4-10	601.3	-5653.3	3801.1	-7.4	-197.1	-0.9	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1 si  3	Sx			474.6	0.0	11.8	475.0
1- 1 si  7	Tz	Si		-10.7	-77.5	0.0	134.7
4-10 si 10	Ty			88.8	0.0	56.9	132.7
1- 1 si 12	Si			473.2	0.0	-53.2	482.1
-----							
PROGR. 24.							
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	753.6	-19593.2	-1067.9	55.3	-555.5	-3.5	
4-10	579.7	-2626.4	3801.1	-7.4	-197.1	-2.7	
TENSIONI (Sz= 0.00) :							

## VERIFICA STABILITA` :

L0 = 84.  
 Z |Lc = 84. |Ro = 3.88|lm = 21.7|Ncr= 839804.1|alfa(a)=0.2100|ki=0.9891|  
 Y |Lc = 84. |Ro = 3.88|lm = 21.7|Ncr= 839804.1|alfa(a)=0.2100|ki=0.9891|  
 Caso 1- 1 - Nodo 1 - Asse Z  
 Ned = -460.7|Mzeq = 656.8|Myeq = -24684.3|Ss = -466.9 ( 0.178)

CASSONE\_S001 ( 1) stato limite ultimo - ASTA ( 870- 829) 713  
 -----  
 PROGR. 0.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	781.9	-32912.4	-1067.9	55.3	-555.5	1.1	
4-10	601.5	-7441.6	3801.1	-7.4	-197.1	0.9	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1 si  3	Sx			590.8	0.0	11.8	591.1
1- 1 si  7	Tz	Si		-10.7	-77.5	0.0	134.7
4-10 si  9	Ty			-139.7	0.0	-56.9	170.9
1- 1 si 12	Si			589.4	0.0	-53.4	596.6
-----							
PROGR. 12.							
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	781.7	-26252.8	-1067.9	55.3	-555.5	-1.2	
4-10	601.3	-5653.3	3801.1	-7.4	-197.1	-0.9	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1 si  3	Sx			474.6	0.0	11.8	475.0
1- 1 si  7	Tz	Si		-10.7	-77.5	0.0	134.7
4-10 si 10	Ty			88.8	0.0	56.9	132.7
1- 1 si 12	Si			473.2	0.0	-53.2	482.1
-----							
PROGR. 24.							
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	753.6	-19593.2	-1067.9	55.3	-555.5	-3.5	
4-10	579.7	-2626.4	3801.1	-7.4	-197.1	-2.7	
TENSIONI (Sz= 0.00) :							

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	357.9	0.0	11.8	358.5
1- 1	si	7	Tz	-10.2	-77.5	0.0	134.6
4-10	si	10	Ty	36.3	0.0	57.0	105.3
1- 1	si	12	Si	356.6	0.0	-53.0	368.2

PROGR.

36.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	697.7	-12933.7	-1067.9	55.3	-555.5	-5.8
4-10	536.7	-253.1	3801.1	-7.4	-197.1	-4.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	240.7	0.0	11.8	241.6
1- 1	si	7	Tz	-9.3	-77.5	0.0	134.6
4-10	si	10	Ty	-4.4	0.0	57.2	99.2
1- 1	si	12	Si	239.5	0.0	-52.8	256.4

PROGR.

48.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	613.9	-6274.1	-1067.9	55.3	-555.5	-8.2
4-10	472.2	2092.9	3801.1	-7.4	-197.1	-6.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	123.1	0.0	11.8	124.8
1- 1	si	7	Tz	-7.8	-77.5	0.0	134.5
4-10	si	10	Ty	-44.3	0.0	57.3	108.8
1- 1	si	12	Si	122.0	0.0	-52.6	152.3

PROGR.

60.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 9	386.3	4624.6	3768.6	-7.9	-200.4	-8.1
1- 1	502.2	385.5	-1067.9	55.3	-555.5	-10.5
4-10	386.3	4450.3	3801.1	-7.4	-197.1	-8.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4- 9	si	2	Sx	-87.8	0.0	41.8	113.8
1- 1	si	7	Tz	-5.9	-77.5	0.0	134.4
4-10	si	10	Ty	-84.1	0.0	57.5	130.3
1- 1	si	8	Si	11.7	-77.5	0.0	134.7

PROGR.

72.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	362.7	7045.1	-1067.9	55.3	-555.5	-12.8
4-10	279.0	6810.4	3801.1	-7.4	-197.1	-9.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	132.2	0.0	11.8	133.7
1- 1	si	7	Tz	-3.4	-77.5	0.0	134.3
4-10	si	10	Ty	-123.6	0.0	57.6	158.9
1- 1	si	11	Si	131.5	0.0	54.3	161.7

PROGR.

84.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	195.3	13704.7	-1067.9	55.3	-555.5	-15.1
4-10	150.2	9171.6	3801.1	-7.4	-197.1	-11.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	245.4	0.0	11.8	246.3
1- 1	si	7	Tz	-0.5	-77.5	0.0	134.2
4-10	si	10	Ty	-162.8	0.0	57.8	191.1
1- 1	si	11	Si	245.1	0.0	54.5	262.6

PROGR.

96.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	20364.2	-1067.9	55.3	-555.5	-17.5
4-10	0.0	11533.5	3801.1	-7.4	-197.1	-13.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	358.2	0.0	11.8	358.8
1- 1	si	7	Tz	2.9	-77.5	0.0	134.3
4-10	si	10	Ty	-201.6	0.0	57.9	225.2
1- 1	si	11	Si	358.2	0.0	54.7	370.5

## VERIFICA STABILITA` :

L0 = 96.  
Z | Lc = 96. | Ro = 3.88 | lm = 24.7 | Ncr = 645851.6 | alfa(a) = 0.2100 | ki = 0.9811 |  
Y | Lc = 96. | Ro = 3.88 | lm = 24.7 | Ncr = 645851.6 | alfa(a) = 0.2100 | ki = 0.9811 |  
Caso 4- 9 - Nodo 2 - Asse Z  
Ned = -7.9 | Mzeq = 539.6 | Myeq = 8867.9 | Ss = -164.6 ( 0.063 )

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 823- 871 ) 714  
PROGR. 0.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-13038.4	-1305.8	182.1	-353.2	17.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	237.1	0.0	14.5	238.4
1- 1	si	7	Tz	9.6	-56.2	0.0	97.8
1- 1	si	9	Ty	-217.9	0.0	-42.3	229.9
1- 1	si	12	Si	237.1	0.0	-42.3	248.1

PROGR.

11.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	172.7	-9325.8	-1305.8	182.1	-353.2	15.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	175.3	0.0	14.5	177.1

1- 1	si	7	Tz	6.6	-56.2	0.0	97.6
1- 1	si	9	Ty	-155.8	0.0	-42.1	172.0
1- 1	si	12	Si	175.0	0.0	-42.1	189.6

----- PROGR. 21.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	324.0	-5613.3	-1305.8	182.1	-353.2	13.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	113.2	0.0	14.5	115.9
1- 1	si	7	Tz	3.9	-56.2	0.0	97.4
1- 1	si	9	Ty	-93.4	0.0	-41.9	118.3
1- 1	si	12	Si	112.6	0.0	-41.9	134.0

----- PROGR. 32.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	453.9	-1900.7	-1305.8	182.1	-353.2	11.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	50.7	0.0	14.5	56.5
1- 1	si	7	Tz	1.7	-56.2	0.0	97.4
1- 1	si	9	Ty	-30.7	0.0	-41.7	78.6
1- 1	si	8	Si	17.5	-56.2	0.0	98.9

----- PROGR. 42.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	562.4	1811.9	-1305.8	182.1	-353.2	9.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	51.0	0.0	14.5	56.8
1- 1	si	7	Tz	-0.2	-56.2	0.0	97.4
1- 1	si	9	Ty	32.4	0.0	-41.6	79.0
1- 1	si	8	Si	19.4	-56.2	0.0	99.3

----- PROGR. 53.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	649.4	5524.5	-1305.8	182.1	-353.2	7.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	117.3	0.0	14.5	119.9
1- 1	si	7	Tz	-1.7	-56.2	0.0	97.4
1- 1	si	9	Ty	95.8	0.0	-41.4	119.7
1- 1	si	11	Si	116.2	0.0	40.2	135.4

----- PROGR. 63.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	715.0	9237.0	-1305.8	182.1	-353.2	5.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	183.2	0.0	14.5	184.9
1- 1	si	7	Tz	-2.9	-56.2	0.0	97.4
1- 1	si	9	Ty	159.5	0.0	-41.2	174.8
1- 1	si	11	Si	182.0	0.0	40.4	194.9

----- PROGR. 74.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	759.2	12949.6	-1305.8	182.1	-353.2	3.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	248.8	0.0	14.5	250.0
1- 1	si	7	Tz	-3.7	-56.2	0.0	97.4
1- 1	si	9	Ty	223.6	0.0	-41.1	234.6
1- 1	si	11	Si	247.4	0.0	40.5	257.2

----- PROGR. 84.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	781.9	16662.2	-1305.8	182.1	-353.2	1.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	313.9	0.0	14.5	314.9
1- 1	si	7	Tz	-4.1	-56.2	0.0	97.4
1- 1	si	9	Ty	288.0	0.0	-40.9	296.6
1- 1	si	11	Si	312.6	0.0	40.7	320.4

## VERIFICA STABILITA` :

L0 = 84.  
 Z Lc = 84. | Ro = 3.88 | lm = 21.7 | Ncr = 839804.1 | alfa(a) = 0.2100 | ki = 0.9891  
 Y Lc = 84. | Ro = 3.88 | lm = 21.7 | Ncr = 839804.1 | alfa(a) = 0.2100 | ki = 0.9891  
 Caso 5-14 - Nodo 2 - Asse Z  
 Ned = -11.2 | Mzeq = 505.2 | Myeq = 2787.4 | Ss = -58.0 ( 0.022)

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 871- 827) 715  
 ----- PROGR. 0.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	781.9	16662.2	-1305.8	-23.4	266.3	1.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-305.6	0.0	14.5	306.6
1- 1	si	7	Tz	-14.9	46.0	0.0	81.0
1- 1	si	10	TySi	-304.2	0.0	-34.4	310.0

----- PROGR. 12.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	781.7	13469.4	-1305.8	-23.4	266.3	-1.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-249.9	0.0	14.5	251.1

1- 1	si  7	Tz	-14.9	46.0	0.0	81.0	
1- 1	si  9	Ty	221.5	0.0	34.4	229.4	
1- 1	si  10	Si	-248.5	0.0	-34.2	255.5	

----- PROGR. 24.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	753.6	10276.7	-1305.8	-23.4	266.3	-3.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si  2	Sx		-193.7	0.0	14.5	195.3
1- 1	si  7	Tz		-14.4	46.0	0.0	80.9
1- 1	si  9	Ty		166.2	0.0	34.6	176.7
1- 1	si  10	Si		-192.4	0.0	-34.0	201.2

----- PROGR. 36.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	697.7	7083.9	-1305.8	-23.4	266.3	-5.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si  2	Sx		-137.0	0.0	14.5	139.3
1- 1	si  7	Tz		-13.4	46.0	0.0	80.7
1- 1	si  9	Ty		111.4	0.0	34.8	126.7
1- 1	si  10	Si		-135.8	0.0	-33.9	147.9

----- PROGR. 48.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	613.9	3891.1	-1305.8	-23.4	266.3	-8.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si  2	Sx		-79.8	0.0	14.5	83.7
1- 1	si  7	Tz		-11.9	46.0	0.0	80.5
1- 1	si  9	Ty		57.0	0.0	35.0	83.2
1- 1	si  10	Si		-78.8	0.0	-33.7	98.0

----- PROGR. 60.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5-13	386.3	1314.0	-584.4	-53.0	39.7	-8.1
1- 1	502.2	698.3	-1305.8	-23.4	266.3	-10.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-13	si  2	Sx		-32.5	0.0	6.5	34.3
1- 1	si  7	Tz	Si	-10.0	46.0	0.0	80.2
1- 1	si  9	Ty		3.1	0.0	35.2	61.0

----- PROGR. 72.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	362.7	-2494.4	-1305.8	-23.4	266.3	-12.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si  1	Sx		-51.1	0.0	14.5	56.9
1- 1	si  7	Tz		-7.6	46.0	0.0	79.9
1- 1	si  9	Ty		-50.4	0.0	35.4	79.4
1- 1	si  13	Si		-46.7	37.5	0.0	80.0

----- PROGR. 84.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	195.3	-5687.2	-1305.8	-23.4	266.3	-15.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si  1	Sx		-103.9	0.0	14.5	106.8
1- 1	si  7	Tz		-4.6	46.0	0.0	79.7
1- 1	si  9	Ty	Si	-103.5	0.0	35.6	120.5

----- PROGR. 96.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-8880.0	-1305.8	-23.4	266.3	-17.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si  1	Sx		-156.2	0.0	14.5	158.2
1- 1	si  7	Tz		-1.2	46.0	0.0	79.6
1- 1	si  9	Ty	Si	-156.2	0.0	35.8	168.0

## VERIFICA STABILITA` :

L0 = 96.  
 Z |Lc = 96. |Ro = 3.88|lm = 24.7|Ncr= 645851.6|alfa(a)=0.2100|ki=0.9811|  
 Y |Lc = 96. |Ro = 3.88|lm = 24.7|Ncr= 645851.6|alfa(a)=0.2100|ki=0.9811|  
 Caso 1- 1 - Nodo 2 - Asse Z  
 Ned = -23.4|Mzeq = 701.4|Myeq = 12496.6|Ss = -231.5 ( 0.088)

CASSONE\_S001 ( 1) stato limite ultimo - ASTA ( 849- 1078) 716  
 ----- PROGR. 0.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	13520.3	1068.3	-855.4	385.3	0.0
5-13	0.0	-615.3	3847.1	-186.6	-79.9	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si  2	Sx		-280.9	0.0	11.8	281.7
1- 1	si  7	Tz		-45.0	57.4	0.0	109.1
5-13	si  10	Ty		0.9	0.0	48.6	84.2
1- 1	si  12	Si		-280.9	0.0	40.6	289.6

----- PROGR. 5.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	11572.3	1068.3	-855.4	384.3	0.0
5-13	0.0	-209.4	3847.1	-186.6	-80.7	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
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## Posto di Controllo Centralizzato - Relazione di calcolo – Scala metallica e vano ascensore

1-1	si	3	Sx	-246.9	0.0	11.8	247.8
1-1	si	7	Tz	-45.0	57.3	0.0	108.9
5-13	si	10	Ty	-6.2	0.0	48.6	84.5
1-1	si	12	Si	-246.9	0.0	40.5	256.7

----- PROGR. 10.

## SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
1-1		0.0	9629.2	1068.3	-855.4	383.3	0.0
5-13		0.0	199.7	3847.1	-186.6	-81.4	0.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	-213.0	0.0	11.8	214.0
1-1	si	7	Tz	-45.0	57.1	0.0	108.7
5-13	si	10	Ty	-13.3	0.0	48.7	85.4
1-1	si	12	Si	-213.0	0.0	40.4	224.2

----- PROGR. 15.

## SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
1-1		0.0	7691.1	1068.3	-855.4	382.3	0.0
5-13		0.0	610.9	3847.1	-186.6	-82.2	0.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	-179.2	0.0	11.8	180.4
1-1	si	7	Tz	-45.0	57.0	0.0	108.6
5-13	si	10	Ty	-20.5	0.0	48.8	86.9
1-1	si	12	Si	-179.2	0.0	40.4	192.4

----- PROGR. 20.

## SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
1-1		0.0	5758.0	1068.3	-855.4	381.4	0.0
5-13		0.0	1014.3	3847.1	-186.6	-83.0	0.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	-145.5	0.0	11.8	146.9
1-1	si	7	Tz	-45.0	56.9	0.0	108.4
5-13	si	10	Ty	-27.5	0.0	48.8	88.9
1-1	si	12	Si	-145.5	0.0	40.3	161.3

----- PROGR. 25.

## SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
1-1		0.0	3829.8	1068.3	-855.4	380.4	0.0
5-13		0.0	1476.0	3847.1	-186.6	-83.7	0.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	-111.8	0.0	11.8	113.7
1-1	si	7	Tz	-45.0	56.8	0.0	108.2
5-13	si	10	Ty	-35.6	0.0	48.9	91.8
1-1	si	12	Si	-111.8	0.0	40.2	131.8

----- PROGR. 30.

## SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
1-1		0.0	1906.6	1068.3	-855.4	379.4	0.0
5-13		0.0	1890.7	3847.1	-186.6	-84.5	0.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	-78.3	0.0	11.8	80.9
1-1	si	7	Tz	-45.0	56.7	0.0	108.0
5-13	si	10	Ty	-42.8	0.0	48.9	94.9
1-1	si	8	Si	-45.0	56.7	0.0	108.0

----- PROGR. 35.

## SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
4-2		0.0	4095.4	-509.2	-225.5	-217.9	0.0
1-1		0.0	-11.6	1068.3	-855.4	378.4	0.0
5-13		0.0	2317.6	3847.1	-186.6	-85.2	0.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-2	si	3	Sx	-83.3	0.0	5.6	83.9
1-1	si	7	Tz	-45.0	56.6	0.0	107.8
5-13	si	10	Ty	-50.3	0.0	49.0	98.6
1-1	si	8	Si	-45.0	56.6	0.0	107.8

----- PROGR. 40.

## SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
4-2		0.0	5196.3	-509.2	-225.5	-218.6	0.0
1-1		0.0	-1924.9	1068.3	-855.4	377.4	0.0
5-13		0.0	2749.8	3847.1	-186.6	-86.0	0.0
4-4		0.0	4997.2	1567.3	-225.8	-208.1	0.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-2	si	3	Sx	-102.5	0.0	5.6	103.0
1-1	si	7	Tz	-45.0	56.5	0.0	107.6
5-13	si	10	Ty	-57.8	0.0	49.0	102.7
4-4	si	12	Si	-99.1	0.0	-32.9	114.3

## VERIFICA STABILITA` :

L0 = 40.  
 Z |Lc = 40. |Ro = 3.88 |lm = 10.4 |Ncr= 3621261.8 |alfa(a) = 0.2100 |ki=1.0000 |  
 Y |Lc = 40. |Ro = 3.88 |lm = 10.4 |Ncr= 3621261.8 |alfa(a) = 0.2100 |ki=1.0000 |  
 Caso 1-1 - Nodo 3 - Asse Z  
 Ned = -855.4 |Mzeq = 0.0 |Myeq = 10140.2 |Ss = -222.0 ( 0.085)

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 846- 1074) 718  
 ----- PROGR. 0.

## SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
1-1		0.0	-26010.4	-368.9	-784.5	-1281.6	0.0

## TENSIONI (Sz= 0.00) :



Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-495.1	0.0	4.1	495.1
1-1	si	7	Tz	-41.3	-155.6	0.0	272.6
1-1	si	9	TySi	-495.1	0.0	-99.7	524.3

----- PROGR. 5.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-19519.8	-368.9	-784.5	-1282.6	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-381.9	0.0	4.1	381.9
1-1	si	7	Tz	-41.3	-155.7	0.0	272.8
1-1	si	9	TySi	-381.9	0.0	-99.7	419.1

----- PROGR. 10.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-13024.3	-368.9	-784.5	-1283.6	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-268.5	0.0	4.1	268.6
1-1	si	7	Tz	-41.3	-155.8	0.0	273.0
1-1	si	9	TySi	-268.5	0.0	-99.8	319.4

----- PROGR. 15.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-6523.8	-368.9	-784.5	-1284.5	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-155.1	0.0	4.1	155.3
1-1	si	7	Tz Si	-41.3	-155.9	0.0	273.2
1-1	si	9	Ty	-155.1	0.0	-99.9	232.4

----- PROGR. 20.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-18.3	-368.9	-784.5	-1285.5	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-41.6	0.0	4.1	42.2
1-1	si	7	Tz Si	-41.3	-156.0	0.0	273.4
1-1	si	9	Ty	-41.6	0.0	-100.0	178.1

----- PROGR. 25.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	6492.2	-368.9	-784.5	-1286.5	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-154.6	0.0	4.1	154.7
1-1	si	7	Tz Si	-41.3	-156.2	0.0	273.6
1-1	si	9	Ty	72.0	0.0	-100.0	187.6

----- PROGR. 30.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	13007.6	-368.9	-784.5	-1287.5	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-268.2	0.0	4.1	268.3
1-1	si	7	Tz	-41.3	-156.3	0.0	273.8
1-1	si	9	Ty	185.7	0.0	-100.1	254.0
1-1	si	10	Si	-268.2	0.0	100.1	319.4

----- PROGR. 35.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	19528.0	-368.9	-784.5	-1288.5	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-382.0	0.0	4.1	382.1
1-1	si	7	Tz	-41.3	-156.4	0.0	274.0
1-1	si	9	Ty	299.4	0.0	-100.2	346.1
1-1	si	10	Si	-382.0	0.0	100.2	419.6

----- PROGR. 40.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	26053.3	-368.9	-784.5	-1289.4	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-495.8	0.0	4.1	495.9
1-1	si	7	Tz	-41.3	-156.5	0.0	274.2
1-1	si	9	Ty	413.3	0.0	-100.3	448.3
1-1	si	10	Si	-495.8	0.0	100.3	525.4

## VERIFICA STABILITA` :

L0 = 40.  
 Z Lc = 40. | Ro = 3.88 | lm = 10.4 | Ncr = 3621261.8 | alfa(a) = 0.2100 | ki = 1.0000  
 Y Lc = 40. | Ro = 3.88 | lm = 10.4 | Ncr = 3621261.8 | alfa(a) = 0.2100 | ki = 1.0000  
 Caso 1-1 - Nodo 2 - Asse Z  
 Ned = -784.5 | Mzeq = 0.0 | Myeq = 19540.0 | Ss = -382.3 ( 0.146)

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 835- 872) 719  
 ----- PROGR. 0.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	8079.2	-1825.9	452.2	99.5	591.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	164.8	0.0	20.2	168.4
1-1	si	14	Tz	150.7	72.6	0.0	196.2
1-1	si	5	TySi	164.8	0.0	-90.1	227.0

----- PROGR. 12.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 7266.9 6870.7 -1825.9 452.2 97.2 591.4

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si  
 1- 1 si 4 Sx 270.5 0.0 20.2 272.7  
 1- 1 si 14 Tz 258.5 72.4 0.0 287.3  
 1- 1 si 5 Ty 143.7 0.0 -90.1 212.2  
 1- 1 si 11 Si 257.8 0.0 -76.5 289.8

PROGR. 25.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 14533.8 5691.4 -1825.9 452.2 94.8 591.4

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si  
 1- 1 si 4 Sx 376.7 0.0 20.2 378.3  
 1- 1 si 14 Tz Si 366.7 72.2 0.0 387.5  
 1- 1 si 5 Ty 123.1 0.0 -90.1 198.8

PROGR. 37.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 21800.7 4541.4 -1825.9 452.2 92.4 591.4

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si  
 1- 1 si 4 Sx 483.4 0.0 20.2 484.7  
 1- 1 si 14 Tz Si 475.5 72.0 0.0 491.5  
 1- 1 si 5 Ty 103.0 0.0 -90.1 187.1

PROGR. 49.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 29067.6 3420.7 -1825.9 452.2 90.0 591.4

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si  
 1- 1 si 4 Sx 590.6 0.0 20.2 591.7  
 1- 1 si 14 Tz Si 584.7 71.8 0.0 597.7  
 1- 1 si 5 Ty 83.5 0.0 -90.1 177.0

PROGR. 61.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 36334.5 2329.2 -1825.9 452.2 87.6 591.4

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si  
 1- 1 si 4 Sx 698.4 0.0 20.2 699.2  
 1- 1 si 14 Tz Si 694.3 71.6 0.0 705.3  
 1- 1 si 5 Ty 64.4 0.0 -90.1 168.9

PROGR. 74.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 43601.5 1267.0 -1825.9 452.2 85.3 591.4

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si  
 1- 1 si 4 Sx 806.6 0.0 20.2 807.4  
 1- 1 si 14 Tz Si 804.4 71.4 0.0 813.9  
 1- 1 si 5 Ty 45.9 0.0 -90.1 162.7

PROGR. 86.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 50868.4 234.1 -1825.9 452.2 82.9 591.4

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si  
 1- 1 si 4 Sx 915.4 0.0 20.2 916.1  
 1- 1 si 14 Tz Si 915.0 71.2 0.0 923.2  
 1- 1 si 5 Ty 27.9 0.0 -90.1 158.6

PROGR. 98.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 58135.3 -769.5 -1825.9 452.2 80.5 591.4

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si  
 1- 1 si 3 Sx 1051.5 0.0 20.2 1052.1  
 1- 1 si 14 Tz Si 1026.0 71.0 0.0 1033.3  
 1- 1 si 5 Ty 10.4 0.0 -90.1 156.5  
 1- 1 si 16 Si 1050.2 -57.7 0.0 1054.9

VERIFICA STABILITA` : asta tesa per tutti i casi di carico.

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 872- 873) 720  
 PROGR. 0.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 58135.3 -769.5 -1825.9 -30.8 80.5 -409.1

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si  
 1- 1 si 1 Sx -1029.3 0.0 20.2 1029.9  
 1- 1 si 13 Tz Si -1028.0 57.4 0.0 1032.8  
 1- 1 si 5 Ty -15.0 0.0 68.6 119.7

PROGR. 7.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 55220.5 -1338.1 -1825.9 -30.8 79.1 -409.1

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si  
 1- 1 si 1 Sx -988.4 0.0 20.2 989.0  
 1- 1 si 13 Tz Si -986.1 57.3 0.0 991.0  
 1- 1 si 5 Ty -25.0 0.0 68.6 121.4

PROGR. 14.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 52305.7 -1896.8 -1825.9 -30.8 77.7 -409.1

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-947.3	0.0	20.2	947.9
1- 1	si	13	Tz Si	-944.0	57.2	0.0	949.2
1- 1	si	5	Ty	-34.7	0.0	68.6	123.8
----- PROGR. 21.							
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	49390.9	-2445.7	-1825.9	-30.8	76.3	-409.1	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-906.0	0.0	20.2	906.7
1- 1	si	13	Tz Si	-901.7	57.1	0.0	907.1
1- 1	si	5	Ty	-44.3	0.0	68.6	126.8
----- PROGR. 29.							
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	46476.1	-2984.7	-1825.9	-30.8	75.0	-409.1	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx Si	-864.6	0.0	20.2	865.3
1- 1	si	13	Tz	-859.4	57.0	0.0	865.0
1- 1	si	5	Ty	-53.7	0.0	68.6	130.4
----- PROGR. 36.							
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	43561.3	-3513.9	-1825.9	-30.8	73.6	-409.1	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx Si	-822.9	0.0	20.2	823.7
1- 1	si	13	Tz	-816.8	56.8	0.0	822.7
1- 1	si	5	Ty	-62.9	0.0	68.6	134.4
----- PROGR. 43.							
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	40646.5	-4033.2	-1825.9	-30.8	72.2	-409.1	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx Si	-781.1	0.0	20.2	781.9
1- 1	si	13	Tz	-774.1	56.7	0.0	780.3
1- 1	si	5	Ty	-72.0	0.0	68.6	138.9
----- PROGR. 50.							
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	37731.7	-4542.7	-1825.9	-30.8	70.8	-409.1	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx Si	-739.2	0.0	20.2	740.0
1- 1	si	13	Tz	-731.3	56.6	0.0	737.8
1- 1	si	5	Ty	-80.9	0.0	68.6	143.7
----- PROGR. 57.							
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	34817.0	-5042.4	-1825.9	-30.8	69.4	-409.1	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx Si	-697.0	0.0	20.2	697.9
1- 1	si	13	Tz	-688.2	56.5	0.0	695.2
1- 1	si	5	Ty	-89.6	0.0	68.6	148.8
----- PROGR. 64.							
VERIFICA STABILITA` :							
L0 =	57.						
Z	Lc = 57.	Ro = 3.88	lm = 14.7	Ncr= 1828185.5	alfa(a)=0.2100	ki=1.0000	
Y	Lc = 57.	Ro = 3.88	lm = 14.7	Ncr= 1828185.5	alfa(a)=0.2100	ki=1.0000	
Caso 1- 1 - Nodo 1 - Asse Z							
Ned =	-30.8	Mzeq =	58135.3	Myeq =	-3846.0	Ss =	-1083.0 ( 0.414)
CASSONE_S001 ( 1) stato limite ultimo - ASTA ( 873- 849) 721							
----- PROGR. 0.							
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	34817.0	-5042.4	-1825.9	-513.8	69.4	-1409.6	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-722.5	0.0	20.2	723.3
1- 1	si	13	Tz Si	-713.7	131.1	0.0	748.9
1- 1	si	5	Ty	-115.0	0.0	186.8	343.5
----- PROGR. 3.							
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	30464.8	-5255.8	-1825.9	-513.8	68.8	-1409.6	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-650.3	0.0	20.2	651.2
1- 1	si	13	Tz Si	-641.1	131.1	0.0	680.1
1- 1	si	5	Ty	-118.7	0.0	186.8	344.7
----- PROGR. 6.							
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	26112.7	-5467.4	-1825.9	-513.8	68.2	-1409.6	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-578.0	0.0	20.2	579.1
1- 1	si	13	Tz Si	-568.5	131.0	0.0	612.1
1- 1	si	5	Ty	-122.4	0.0	186.8	346.0
----- PROGR. 9.							
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	

1-1			21760.6		-5677.2	-1825.9	-513.8	67.6	-1409.6
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	1	Sx	-505.7	0.0	20.2	507.0		
1-1	si	13	Tz	-495.8	131.0	0.0	545.3		
1-1	si	5	Ty	-126.1	0.0	186.8	347.3		

12.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	17408.5	-5885.1	-1825.9	-513.8	67.0	-1409.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-433.4	0.0	20.2	434.9
1-1	si	13	Tz	-423.2	130.9	0.0	480.1
1-1	si	5	Ty	-129.7	0.0	186.8	348.7

15.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	13056.4	-6091.2	-1825.9	-513.8	66.4	-1409.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-361.1	0.0	20.2	362.8
1-1	si	13	Tz	-350.5	130.9	0.0	417.4
1-1	si	5	Ty	-133.3	0.0	186.8	350.0
1-1	si	9	Si	-338.3	0.0	142.0	418.3

19.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	8704.2	-6295.4	-1825.9	-513.8	65.8	-1409.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-288.7	0.0	20.2	290.9
1-1	si	13	Tz	-277.8	130.8	0.0	358.5
1-1	si	5	Ty	-136.9	0.0	186.8	351.4
1-1	si	9	Si	-273.6	0.0	142.0	367.8

22.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	4352.1	-6497.8	-1825.9	-513.8	65.2	-1409.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-216.3	0.0	20.2	219.2
1-1	si	13	Tz	-205.0	130.8	0.0	305.5
1-1	si	5	TySi	-140.4	0.0	186.8	352.8

25.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-6698.3	-1825.9	-513.8	64.6	-1409.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-143.9	0.0	20.2	148.1
1-1	si	13	Tz	-132.2	130.7	0.0	262.2
1-1	si	5	TySi	-143.9	0.0	186.8	354.2

## VERIFICA STABILITA` :

L0 = 25.  
 Z Lc = 25. | Ro = 3.88 | lm = 6.4 | Ncr = 9735899.1 | alfa(a) = 0.2100 | ki = 1.0000  
 Y Lc = 25. | Ro = 3.88 | lm = 6.4 | Ncr = 9735899.1 | alfa(a) = 0.2100 | ki = 1.0000  
 Caso 1-1 - Nodo 1 - Asse Z  
 Ned = -513.8 | Mzeq = 26112.7 | Myeq = -6698.3 | Ss = -599.5 ( 0.229)

CASSONE\_S001 ( 1) stato limite ultimo - ASTA ( 874- 848) 722  
 0.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	21558.3	13873.3	5235.1	-87.2	-238.6	-872.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-622.8	0.0	58.0	630.8
1-1	si	14	Tz	589.4	-142.9	0.0	639.2
1-1	si	5	Ty	237.5	0.0	161.2	366.5
1-1	si	15	Si	-598.6	-142.9	0.0	647.7

3.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	18863.5	14611.0	5235.1	-87.2	-239.2	-872.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-588.6	0.0	58.0	597.1
1-1	si	14	Tz	553.9	-142.9	0.0	606.7
1-1	si	5	Ty	250.3	0.0	161.2	375.0
1-1	si	15	Si	-563.1	-142.9	0.0	615.1

6.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	16168.7	15350.6	5235.1	-87.2	-239.8	-872.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-554.5	0.0	58.0	563.5
1-1	si	14	Tz	518.5	-143.0	0.0	574.6
1-1	si	5	Ty	263.2	0.0	161.2	383.7
1-1	si	10	Si	-526.3	0.0	148.2	585.6

9.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	13474.0	16092.1	5235.1	-87.2	-240.4	-872.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
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1- 1	si	2	Sx	-520.4	0.0	58.0	530.0
1- 1	si	14	Tz	483.2	-143.0	0.0	543.0
1- 1	si	5	Ty	276.2	0.0	161.2	392.7
1- 1	si	10	Si	-496.9	0.0	148.3	559.4

----- PROGR. 12.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	10779.2	16835.4	5235.1	-87.2	-241.0	-872.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-486.4	0.0	58.0	496.6
1- 1	si	14	Tz	447.8	-143.1	0.0	511.8
1- 1	si	5	Ty	289.1	0.0	161.2	401.9
1- 1	si	10	Si	-467.6	0.0	148.3	533.5

----- PROGR. 15.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	8084.4	17580.5	5235.1	-87.2	-241.6	-872.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-452.4	0.0	58.0	463.4
1- 1	si	14	Tz	412.5	-143.1	0.0	481.3
1- 1	si	5	Ty	302.1	0.0	161.2	411.4
1- 1	si	10	Si	-438.3	0.0	148.4	508.0

----- PROGR. 19.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	5389.6	18327.5	5235.1	-87.2	-242.2	-872.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-418.4	0.0	58.0	430.3
1- 1	si	14	Tz	377.2	-143.2	0.0	451.4
1- 1	si	5	Ty	315.2	0.0	161.2	421.0
1- 1	si	10	Si	-409.0	0.0	148.4	483.0

----- PROGR. 22.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	2694.8	19076.3	5235.1	-87.2	-242.8	-872.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-384.4	0.0	58.0	397.3
1- 1	si	14	Tz	342.0	-143.2	0.0	422.5
1- 1	si	5	Ty	328.2	0.0	161.2	430.9
1- 1	si	10	Si	-379.7	0.0	148.5	458.6

----- PROGR. 25.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5- 5	0.0	20401.8	2084.8	10.1	-242.5	-175.7
1- 1	0.0	19827.0	5235.1	-87.2	-243.4	-872.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5- 5	si	4	Sx	356.5	0.0	23.1	358.7
1- 1	si	14	Tz	306.7	-143.3	0.0	394.6
1- 1	si	5	Ty	341.3	0.0	161.2	441.0
1- 1	si	6	Si	-350.5	0.0	161.2	448.1

## VERIFICA STABILITA` :

L0 = 25.  
 Z Lc = 25. | Ro = 3.88 | lm = 6.4 | Ncr = 9735899.1 | alfa(a) = 0.2100 | ki = 1.0000  
 Y Lc = 25. | Ro = 3.88 | lm = 6.4 | Ncr = 9735899.1 | alfa(a) = 0.2100 | ki = 1.0000  
 Caso 1- 1 - Nodo 2 - Asse Z  
 Ned = -87.2 | Mzeq = 16168.7 | Myeq = 19827.0 | Ss = -632.6 ( 0.242)

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 834- 875) 723  
 ----- PROGR. 0.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-20850.2	5235.1	323.8	-208.5	366.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	380.8	0.0	58.0	393.8
1- 1	si	13	Tz	-310.4	-102.6	0.0	357.6
1- 1	si	9	Ty	-346.7	0.0	-103.9	390.7
1- 1	si	12	Si	380.8	0.0	-103.9	421.2

----- PROGR. 12.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	4499.6	-18273.2	5235.1	323.8	-210.9	366.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	414.4	0.0	58.0	426.4
1- 1	si	13	Tz	-348.4	-102.8	0.0	391.3
1- 1	si	9	Ty	-372.4	0.0	-104.1	413.8
1- 1	si	12	Si	406.5	0.0	-104.1	444.7

----- PROGR. 25.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	8999.2	-15666.9	5235.1	323.8	-213.3	366.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	447.4	0.0	58.0	458.5
1- 1	si	13	Tz	-386.0	-103.0	0.0	425.2
1- 1	si	9	Ty	-397.6	0.0	-104.3	436.7
1- 1	si	12	Si	431.7	0.0	-104.3	467.9

----- PROGR. 37.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	13498.8	-13031.4	5235.1	323.8	-215.7	366.2

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	479.9	0.0	58.0	490.3
1- 1	si	13	Tz	-423.1	-103.2	0.0	459.3
1- 1	si	9	Ty	-422.3	0.0	-104.4	459.4
1- 1	si	12	Si	456.4	0.0	-104.4	490.9

PROGR. 49.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	17998.4	-10366.6	5235.1	323.8	-218.1	366.2	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	511.9	0.0	58.0	521.7
1- 1	si	13	Tz	-459.8	-103.4	0.0	493.4
1- 1	si	9	Ty	-446.4	0.0	-104.6	481.8
1- 1	si	16	Si	493.8	-103.4	0.0	525.3

PROGR. 61.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	22498.0	-7672.5	5235.1	323.8	-220.4	366.2	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	543.4	0.0	58.0	552.6
1- 1	si	13	Tz	-496.0	-103.6	0.0	527.4
1- 1	si	9	Ty	-470.1	0.0	-104.8	503.9
1- 1	si	16	Si	530.0	-103.6	0.0	559.6

PROGR. 74.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	26997.6	-4949.1	5235.1	323.8	-222.8	366.2	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	574.4	0.0	58.0	583.1
1- 1	si	13	Tz	-531.7	-103.8	0.0	561.3
1- 1	si	9	Ty	-493.2	0.0	-105.0	525.7
1- 1	si	16	Si	565.8	-103.8	0.0	593.6

PROGR. 86.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	31497.2	-2196.4	5235.1	323.8	-225.2	366.2	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	604.9	0.0	58.0	613.2
1- 1	si	13	Tz	-567.0	-104.0	0.0	594.9
1- 1	si	9	Ty	-515.9	0.0	-105.2	547.1
1- 1	si	16	Si	601.1	-104.0	0.0	627.5

PROGR. 98.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	35996.8	585.5	5235.1	323.8	-227.6	366.2	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	655.3	0.0	58.0	662.9
1- 1	si	13	Tz	-601.8	-104.2	0.0	628.3
1- 1	si	9	Ty	-538.0	0.0	-105.3	568.1
1- 1	si	14	Si	654.3	66.5	0.0	664.3

VERIFICA STABILITA` : asta tesa per tutti i casi di carico.

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 875- 874) 724  
0.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	35996.8	585.5	5235.1	118.3	-227.6	-253.3	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	644.5	0.0	58.0	652.3
1- 1	si	14	Tz Si	643.5	-95.8	0.0	664.5
1- 1	si	10	Ty	-569.2	0.0	96.0	593.0

PROGR. 7.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	34192.0	2212.0	5235.1	118.3	-229.0	-253.3	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	641.4	0.0	58.0	649.2
1- 1	si	14	Tz Si	637.5	-95.9	0.0	658.8
1- 1	si	10	Ty	-569.3	0.0	96.1	593.1

PROGR. 14.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	32387.2	3848.4	5235.1	118.3	-230.4	-253.3	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	638.4	0.0	58.0	646.3
1- 1	si	14	Tz Si	631.7	-96.0	0.0	653.2
1- 1	si	10	Ty	-569.5	0.0	96.2	593.3

PROGR. 21.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	30582.4	5494.6	5235.1	118.3	-231.7	-253.3	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	635.7	0.0	58.0	643.5
1- 1	si	14	Tz Si	626.1	-96.1	0.0	647.8
1- 1	si	10	Ty	-569.9	0.0	96.3	593.8

PROGR. 29.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	

1-1	28777.6	7150.6	5235.1	118.3	-233.1	-253.3
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
1-1	si	4	Sx	633.1	0.0	58.0
1-1	si	14	Tz	620.6	-96.2	0.0
1-1	si	10	Ty	-570.4	0.0	96.4

PROGR. 36.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	26972.8	8816.5	5235.1	118.3	-234.5	-253.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty
1-1	si	4	Sx	630.6	0.0	58.0
1-1	si	14	Tz	615.3	-96.3	0.0
1-1	si	10	Ty	-571.1	0.0	96.5

PROGR. 43.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	25167.9	10492.3	5235.1	118.3	-235.9	-253.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty
1-1	si	4	Sx	628.4	0.0	58.0
1-1	si	14	Tz	610.1	-96.4	0.0
1-1	si	10	Ty	-572.0	0.0	96.6

PROGR. 50.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	23363.1	12177.9	5235.1	118.3	-237.3	-253.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty
1-1	si	4	Sx	626.3	0.0	58.0
1-1	si	14	Tz	605.1	-96.6	0.0
1-1	si	10	Ty	-573.1	0.0	96.7

PROGR. 57.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	21558.3	13873.3	5235.1	118.3	-238.6	-253.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty
1-1	si	4	Sx	624.4	0.0	58.0
1-1	si	14	Tz	600.2	-96.7	0.0
1-1	si	10	Ty	-574.3	0.0	96.8

## VERIFICA STABILITA` :

L0 = 57.  
 Z | Lc = 57. | Ro = 3.88 | lm = 14.7 | Ncr = 1828185.5 | alfa(a) = 0.2100 | ki = 1.0000 |  
 Y | Lc = 57. | Ro = 3.88 | lm = 14.7 | Ncr = 1828185.5 | alfa(a) = 0.2100 | ki = 1.0000 |  
 Caso 5-12 - Nodo 1 - Asse Z  
 Ned = -6.3 | Mzeq = 7133.2 | Myeq = -6259.3 | Ss = -234.0 ( 0.089 )

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 876- 846 ) 725  
 ----- PROGR. 0.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	21558.3	3266.9	-159.8	446.9	-32.1	-872.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty
1-1	si	4	Sx	456.6	0.0	1.8
1-1	si	14	Tz	450.9	-69.5	0.0
1-1	si	5	Ty	80.5	0.0	104.9

PROGR. 3.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	18863.5	3366.9	-159.8	446.9	-32.7	-872.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty
1-1	si	4	Sx	411.4	0.0	1.8
1-1	si	14	Tz	405.5	-69.6	0.0
1-1	si	5	Ty	82.3	0.0	104.9

PROGR. 6.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	16168.7	3468.6	-159.8	446.9	-33.3	-872.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty
1-1	si	4	Sx	366.1	0.0	1.8
1-1	si	14	Tz	360.1	-69.6	0.0
1-1	si	5	Ty	84.0	0.0	104.9

PROGR. 9.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	13474.0	3572.2	-159.8	446.9	-33.9	-872.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty
1-1	si	4	Sx	320.9	0.0	1.8
1-1	si	14	Tz	314.7	-69.7	0.0
1-1	si	5	Ty	85.8	0.0	104.9

PROGR. 12.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	10779.2	3677.7	-159.8	446.9	-34.5	-872.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty
1-1	si	4	Sx	275.7	0.0	1.8
1-1	si	14	Tz	269.3	-69.7	0.0
1-1	si	5	Ty	87.7	0.0	104.9

PROGR. 15.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	8084.4	3785.0	-159.8	446.9	-35.1	-872.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	230.6	0.0	1.8	230.6
1- 1	si	14	Tz	224.0	-69.8	0.0	254.5
1- 1	si	5	Ty	89.6	0.0	104.9	202.6

PROGR. 19.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5- 5	1082.2	9530.6	737.5	338.4	-110.1	-175.3
1- 1	5389.6	3894.2	-159.8	446.9	-35.7	-872.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5- 5	si	4	Sx	203.0	0.0	8.2	203.5
1- 1	si	14	Tz	178.7	-69.8	0.0	215.8
1- 1	si	5	Ty	91.5	0.0	104.9	203.5
1- 1	si	11	Si	176.1	0.0	76.8	220.6

PROGR. 22.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5- 5	541.1	9871.0	737.5	338.4	-110.6	-175.3
1- 1	2694.8	4005.2	-159.8	446.9	-36.3	-872.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5- 5	si	4	Sx	199.5	0.0	8.2	200.0
1- 1	si	14	Tz	133.4	-69.9	0.0	180.1
1- 1	si	5	Ty	93.4	0.0	104.9	204.4
5- 5	si	11	Si	198.5	0.0	30.9	205.6

PROGR. 25.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5- 5	0.0	10212.9	737.5	338.4	-111.1	-175.3
1- 1	0.0	4118.0	-159.8	446.9	-36.9	-872.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5- 5	si	4	Sx	196.0	0.0	8.2	196.5
1- 1	si	14	Tz	88.2	-69.9	0.0	149.8
1- 1	si	5	TySi	95.4	0.0	104.9	205.3

VERIFICA STABILITA` :

L0 = 25.  
 Z | Lc = 25. | Ro = 3.88 | lm = 6.4 | Ncr = 9735899.1 | alfa(a) = 0.2100 | ki = 1.0000  
 Y | Lc = 25. | Ro = 3.88 | lm = 6.4 | Ncr = 9735899.1 | alfa(a) = 0.2100 | ki = 1.0000  
 Caso 5-12 - Nodo 1 - Asse Z  
 Ned = -159.8 | Mzeq = 3220.8 | Myeq = -7557.8 | Ss = -196.5 ( 0.075)

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 832- 877) 726  
 PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5- 5	0.0	-7376.8	737.5	420.7	-84.2	73.6
4-11	0.0	2626.7	-2634.0	103.1	36.5	72.2
1- 1	0.0	625.9	-159.8	857.9	-2.0	366.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5- 5	si	2	Sx	150.8	0.0	8.2	151.5
4-11	si	14	Tz	46.7	37.6	0.0	80.1
1- 1	si	5	Ty	56.1	0.0	-45.1	96.1
5- 5	si	12	Si	150.8	0.0	-20.5	155.0

PROGR. 12.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5- 5	904.0	-6332.4	737.5	420.7	-86.0	73.6
4-11	887.0	2189.8	-2634.0	103.1	34.7	72.2
1- 1	4499.6	664.5	-159.8	857.9	-4.3	366.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5- 5	si	3	Sx	148.4	0.0	8.2	149.1
4-11	si	14	Tz	55.3	37.4	0.0	85.2
1- 1	si	5	Ty	56.7	0.0	-45.1	96.5
5- 5	si	12	Si	146.8	0.0	-20.7	151.1

PROGR. 25.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	8999.2	732.3	-159.8	857.9	-6.7	366.2
4-11	1774.1	1775.5	-2634.0	103.1	32.9	72.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	214.9	0.0	1.8	215.0
4-11	si	14	Tz	64.3	37.3	0.0	91.1
1- 1	si	5	Ty	57.9	0.0	-45.1	97.2
1- 1	si	14	Si	213.7	28.5	0.0	219.3

PROGR. 37.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	13498.8	829.5	-159.8	857.9	-9.1	366.2
4- 6	2738.4	-1348.5	2651.2	240.0	-28.0	74.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	295.1	0.0	1.8	295.2
4- 6	si	13	Tz	-56.3	-37.2	0.0	85.6
1- 1	si	5	Ty	59.6	0.0	-45.1	98.2
1- 1	si	14	Si	293.7	28.3	0.0	297.8

PROGR. 49.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	17998.4	955.9	-159.8	857.9	-11.5	366.2



## Posto di Controllo Centralizzato - Relazione di calcolo – Scala metallica e vano ascensore

4-6	3651.2	-995.3	2651.2	240.0	-29.8	74.3
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
1-1	si	4	Sx	375.8	0.0	1.8
4-6	si	13	Tz	-66.7	-37.4	0.0
1-1	si	5	Ty	61.8	0.0	-45.1
1-1	si	14	Si	374.2	28.1	0.0
----- PROGR. 61.						

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1-1	22498.0	1111.6	-159.8	857.9	-13.9	366.2
4-6	4564.0	-621.6	2651.2	240.0	-31.6	74.3
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
1-1	si	4	Sx	457.1	0.0	1.8
4-6	si	13	Tz	-76.8	-37.5	0.0
1-1	si	5	Ty	64.5	0.0	-45.1
1-1	si	14	Si	455.1	27.9	0.0
----- PROGR. 74.						

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1-1	26997.6	1296.6	-159.8	857.9	-16.2	366.2
4-6	5476.8	-234.5	2651.2	240.0	-33.5	74.3
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
1-1	si	4	Sx	538.8	0.0	1.8
4-6	si	13	Tz	-86.6	-37.7	0.0
1-1	si	5	Ty	67.8	0.0	-45.1
----- PROGR. 86.						

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1-1	31497.2	1510.8	-159.8	857.9	-18.6	366.2
4-6	6389.6	262.6	2651.2	240.0	-35.3	74.3
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
1-1	si	4	Sx	621.0	0.0	1.8
4-6	si	13	Tz	-94.7	-37.8	0.0
1-1	si	5	Ty	71.5	0.0	-45.1
----- PROGR. 98.						

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1-1	35996.8	1754.4	-159.8	857.9	-21.0	366.2
4-6	7302.5	671.1	2651.2	240.0	-37.1	74.3
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
1-1	si	4	Sx	703.8	0.0	1.8
4-6	si	13	Tz	-104.2	-38.0	0.0
1-1	si	5	Ty	75.8	0.0	-45.1
----- PROGR. 108.						

## VERIFICA STABILITA` :

L0 = 98.  
 Z | Lc = 98. | Ro = 3.88 | lm = 25.3 | Ncr = 614699.6 | alfa(a) = 0.2100 | ki = 0.9795 |  
 Y | Lc = 98. | Ro = 3.88 | lm = 25.3 | Ncr = 614699.6 | alfa(a) = 0.2100 | ki = 0.9795 |  
 Caso 5-12 - Nodo 2 - Asse Z  
 Ned = -77.6 | Mzeq = 5375.2 | Myeq = 5795.7 | Ss = -199.1 ( 0.076 )

CASSONE\_s001 ( 1 ) stato limite ultimo - ASTA ( 877- 876 ) 727  
 ----- PROGR. 0.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1-1	35996.8	1754.4	-159.8	652.4	-21.0	-253.3
4-6	7302.5	671.1	2651.2	198.9	-37.1	-51.6
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
1-1	si	4	Sx	693.0	0.0	1.8
4-6	si	14	Tz	148.4	-36.3	0.0
4-6	si	10	Ty	-115.9	0.0	36.4
----- PROGR. 7.						

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1-1	34192.0	1909.0	-159.8	652.4	-22.4	-253.3
4-6	6935.1	934.8	2651.2	198.9	-38.2	-51.6
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
1-1	si	4	Sx	664.2	0.0	1.8
4-6	si	14	Tz	146.1	-36.4	0.0
4-6	si	10	Ty	-114.7	0.0	36.5
----- PROGR. 14.						

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1-1	32387.2	2073.5	-159.8	652.4	-23.8	-253.3
4-6	6567.8	1208.3	2651.2	198.9	-39.3	-51.6
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
1-1	si	4	Sx	635.6	0.0	1.8
4-6	si	14	Tz	144.0	-36.5	0.0
4-6	si	10	Ty	-113.7	0.0	36.6
----- PROGR. 21.						

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1-1	30582.4	2247.8	-159.8	652.4	-25.2	-253.3
4-6	6200.4	1490.2	2651.2	198.9	-40.3	-51.6
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
1-1	si	4	Sx	607.1	0.0	1.8
4-6	si	14	Tz	142.0	-36.6	0.0
4-6	si	10	Ty	-112.9	0.0	36.7
----- PROGR. 29.						

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	28777.6	2431.9	-159.8	652.4	-26.5	-253.3
4- 6	5833.1	1780.3	2651.2	198.9	-41.4	-51.6

TENSIONI (S<sub>z</sub>= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	Si	578.8	0.0	1.8	578.9
4- 6	si	14	Tz	Si	140.2	-36.7	0.0	153.9
4- 6	si	10	Ty	Si	-112.2	0.0	36.7	129.0

----- PROGR. 36.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	26972.8	2625.9	-159.8	652.4	-27.9	-253.3
4- 6	5465.8	2078.2	2651.2	198.9	-42.4	-51.6

TENSIONI (S<sub>z</sub>= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	Si	550.7	0.0	1.8	550.8
4- 6	si	14	Tz	Si	138.5	-36.7	0.0	152.4
4- 6	si	10	Ty	Si	-111.6	0.0	36.8	128.5

----- PROGR. 43.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	25167.9	2829.7	-159.8	652.4	-29.3	-253.3
4- 6	5098.4	2383.9	2651.2	198.9	-43.5	-51.6

TENSIONI (S<sub>z</sub>= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	Si	522.8	0.0	1.8	522.8
4- 6	si	14	Tz	Si	136.9	-36.8	0.0	151.0
4- 6	si	10	Ty	Si	-111.2	0.0	36.9	128.2

----- PROGR. 50.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	23363.1	3043.4	-159.8	652.4	-30.7	-253.3
4- 6	4731.1	2697.2	2651.2	198.9	-44.6	-51.6

TENSIONI (S<sub>z</sub>= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	Si	495.1	0.0	1.8	495.1
4- 6	si	14	Tz	Si	135.4	-36.9	0.0	149.7
4- 6	si	10	Ty	Si	-110.9	0.0	37.0	128.0

----- PROGR. 57.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	21558.3	3266.9	-159.8	652.4	-32.1	-253.3
4- 6	4363.9	3018.2	2651.2	198.9	-45.6	-51.6

TENSIONI (S<sub>z</sub>= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	Si	467.5	0.0	1.8	467.5
4- 6	si	14	Tz	Si	134.0	-37.0	0.0	148.5
4- 6	si	10	Ty	Si	-110.7	0.0	37.1	128.0

VERIFICA STABILITA` :

L0 = 57. |  
 Z |Lc = 57. |Ro = 3.88 |lm = 14.7 |Ncr= 1828185.5 |alfa(a)=0.2100 |ki=1.0000 |  
 Y |Lc = 57. |Ro = 3.88 |lm = 14.7 |Ncr= 1828185.5 |alfa(a)=0.2100 |ki=1.0000 |  
 Caso 5-12 - Nodo 1 - Asse Z  
 Ned = -118.7 |Mzeq = 7167.0 |Myeq = -4602.6 |Ss = -211.6 ( 0.081 )

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 878- 879 ) 728  
 ----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	35996.8	-626.2	-664.5	-59.7	8.8	-253.3

TENSIONI (S<sub>z</sub>= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	Si	-642.1	0.0	7.4	642.2
1- 1	si	13	Tz	Si	-641.0	27.0	0.0	642.7
1- 1	si	5	Ty	Si	-14.1	0.0	37.3	66.1

----- PROGR. 7.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	34192.0	-684.2	-664.5	-59.7	7.4	-253.3

TENSIONI (S<sub>z</sub>= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	Si	-611.6	0.0	7.4	611.8
1- 1	si	13	Tz	Si	-610.4	26.9	0.0	612.2
1- 1	si	5	Ty	Si	-15.1	0.0	37.3	66.3

----- PROGR. 14.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	32387.2	-732.3	-664.5	-59.7	6.1	-253.3

TENSIONI (S<sub>z</sub>= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	Si	-581.0	0.0	7.4	581.1
1- 1	si	13	Tz	Si	-579.7	26.8	0.0	581.5
1- 1	si	5	Ty	Si	-15.9	0.0	37.3	66.5

----- PROGR. 21.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	30582.4	-770.6	-664.5	-59.7	4.7	-253.3

TENSIONI (S<sub>z</sub>= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	Si	-550.2	0.0	7.4	550.3
1- 1	si	13	Tz	Si	-548.8	26.6	0.0	550.7
1- 1	si	5	Ty	Si	-16.6	0.0	37.3	66.7

----- PROGR. 29.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	28777.6	-799.0	-664.5	-59.7	3.3	-253.3

TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx	Tz	Ty	Si					
1- 1	si	1	Sx	-519.2	0.0	7.4	519.3					
1- 1	si	13	Tz Si	-517.8	26.5	0.0	519.8					
1- 1	si	5	Ty	-17.1	0.0	37.3	66.8					
-----												
PROGR. 36.												
SOLLECITAZIONI :												
Caso	MZ		MY	MT	N	TZ	TY					
1- 1	26972.8		-817.6	-664.5	-59.7	1.9	-253.3					
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx	Tz	Ty	Si					
1- 1	si	1	Sx	-488.0	0.0	7.4	488.2					
1- 1	si	13	Tz Si	-486.6	26.4	0.0	488.7					
1- 1	si	5	Ty	-17.4	0.0	37.3	66.9					
-----												
PROGR. 43.												
SOLLECITAZIONI :												
Caso	MZ		MY	MT	N	TZ	TY					
1- 1	25167.9		-826.3	-664.5	-59.7	0.5	-253.3					
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx	Tz	Ty	Si					
1- 1	si	1	Sx	-456.7	0.0	7.4	456.8					
1- 1	si	13	Tz Si	-455.2	26.3	0.0	457.5					
1- 1	si	5	Ty	-17.6	0.0	37.3	67.0					
-----												
PROGR. 50.												
SOLLECITAZIONI :												
Caso	MZ		MY	MT	N	TZ	TY					
1- 1	23363.1		-825.2	-664.5	-59.7	-0.8	-253.3					
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx	Tz	Ty	Si					
1- 1	si	1	Sx	-425.2	0.0	7.4	425.3					
1- 1	si	14	Tz	391.5	-26.3	0.0	394.2					
1- 1	si	5	Ty	-17.5	0.0	37.3	67.0					
1- 1	si	13	Si	-423.7	26.2	0.0	426.1					
-----												
PROGR. 57.												
SOLLECITAZIONI :												
Caso	MZ		MY	MT	N	TZ	TY					
1- 1	21558.3		-814.2	-664.5	-59.7	-2.2	-253.3					
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx	Tz	Ty	Si					
1- 1	si	1	Sx	-393.5	0.0	7.4	393.7					
1- 1	si	14	Tz	360.2	-26.4	0.0	363.1					
1- 1	si	5	Ty	-17.3	0.0	37.3	66.9					
1- 1	si	13	Si	-392.1	26.1	0.0	394.6					
-----												
VERIFICA STABILITA` :												
L0 =	57.											
Z	Lc =	57.	Ro =	3.88	lm =	14.7	Ncr=	1828185.5	alfa(a)	=0.2100	ki=	1.0000
Y	Lc =	57.	Ro =	3.88	lm =	14.7	Ncr=	1828185.5	alfa(a)	=0.2100	ki=	1.0000
Caso 1- 1 - Nodo 1 - Asse Z												
Ned =	-59.7   Mzeq = 35996.8   Myeq = -826.3   Ss = -645.6 ( 0.247 )											
CASSONE_S001 ( 1 ) stato limite ultimo - ASTA ( 842- 880 ) 729												
-----												
PROGR. 0.												
SOLLECITAZIONI :												
Caso	MZ		MY	MT	N	TZ	TY					
1- 1	0.0		4223.4	-1977.8	230.4	58.4	533.0					
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx	Tz	Ty	Si					
1- 1	si	1	Sx	85.8	0.0	21.9	93.8					
1- 1	si	14	Tz	78.4	66.5	0.0	139.4					
1- 1	si	5	TySi	85.8	0.0	-84.9	170.3					
-----												
PROGR. 11.												
SOLLECITAZIONI :												
Caso	MZ		MY	MT	N	TZ	TY					
1- 1	5603.6		3619.7	-1977.8	230.4	56.4	533.0					
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx	Tz	Ty	Si					
1- 1	si	4	Sx	173.0	0.0	21.9	177.2					
1- 1	si	14	Tz	166.7	66.3	0.0	202.5					
1- 1	si	5	Ty	75.3	0.0	-84.9	165.2					
1- 1	si	11	Si	163.3	0.0	-70.3	203.7					
-----												
PROGR. 21.												
SOLLECITAZIONI :												
Caso	MZ		MY	MT	N	TZ	TY					
1- 1	11207.3		3037.5	-1977.8	230.4	54.4	533.0					
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx	Tz	Ty	Si					
1- 1	si	4	Sx	260.7	0.0	21.9	263.4					
1- 1	si	14	Tz Si	255.4	66.2	0.0	279.9					
1- 1	si	5	Ty	65.1	0.0	-84.9	160.9					
-----												
PROGR. 32.												
SOLLECITAZIONI :												
Caso	MZ		MY	MT	N	TZ	TY					
1- 1	16810.9		2476.7	-1977.8	230.4	52.3	533.0					
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx	Tz	Ty	Si					
1- 1	si	4	Sx	348.6	0.0	21.9	350.7					
1- 1	si	14	Tz Si	344.3	66.0	0.0	362.8					
1- 1	si	5	Ty	55.3	0.0	-84.9	157.2					
-----												
PROGR. 42.												
SOLLECITAZIONI :												
Caso	MZ		MY	MT	N	TZ	TY					
1- 1	22414.5		1937.3	-1977.8	230.4	50.3	533.0					
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx	Tz	Ty	Si					
1- 1	si	4	Sx	437.0	0.0	21.9	438.6					
1- 1	si	14	Tz Si	433.6	65.8	0.0	448.4					
1- 1	si	5	Ty	45.9	0.0	-84.9	154.1					

----- SOLLECITAZIONI :-----								PROGR.	53.
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	28018.1	1419.3	-1977.8	230.4	48.3	533.0			
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx	525.7	0.0	21.9	527.1		
1- 1	si	14	Tz	523.2	65.7	0.0	535.5		
1- 1	si	5	Ty	36.9	0.0	-84.9	151.6		
----- SOLLECITAZIONI :-----								PROGR.	63.
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	33621.8	922.8	-1977.8	230.4	46.2	533.0			
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx	614.8	0.0	21.9	616.0		
1- 1	si	14	Tz	613.2	65.5	0.0	623.6		
1- 1	si	5	Ty	28.2	0.0	-84.9	149.8		
----- SOLLECITAZIONI :-----								PROGR.	74.
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	39225.4	447.7	-1977.8	230.4	44.2	533.0			
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx	704.3	0.0	21.9	705.3		
1- 1	si	14	Tz	703.5	65.3	0.0	712.6		
1- 1	si	5	Ty	19.9	0.0	-84.9	148.4		
----- SOLLECITAZIONI :-----								PROGR.	84.
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	44829.0	-6.0	-1977.8	230.4	42.1	533.0			
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	3	Sx	794.4	0.0	21.9	795.3		
1- 1	si	14	Tz	794.2	65.2	0.0	802.1		
1- 1	si	5	Ty	12.0	0.0	-84.9	147.6		
----- VERIFICA STABILITA` :asta tesa per tutti i casi di carico.-----									
CASSONE_S001 ( 1 )	stato limite ultimo - ASTA ( 880- 856)						730		
----- SOLLECITAZIONI :-----								PROGR.	0.
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	44829.0	-6.0	-1977.8	-252.6	42.1	-467.5			
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	-795.5	0.0	21.9	796.4		
1- 1	si	13	Tz	-795.5	60.3	0.0	802.3		
1- 1	si	5	Ty	-13.4	0.0	77.2	134.3		
----- SOLLECITAZIONI :-----								PROGR.	12.
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	39225.4	-497.2	-1977.8	-252.6	39.8	-467.5			
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	-706.3	0.0	21.9	707.4		
1- 1	si	13	Tz	-705.5	60.1	0.0	713.1		
1- 1	si	5	Ty	-22.0	0.0	77.2	135.5		
----- SOLLECITAZIONI :-----								PROGR.	24.
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	33621.8	-960.5	-1977.8	-252.6	37.5	-467.5			
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	-616.7	0.0	21.9	617.8		
1- 1	si	13	Tz	-615.0	59.9	0.0	623.7		
1- 1	si	5	Ty	-30.1	0.0	77.2	137.0		
----- SOLLECITAZIONI :-----								PROGR.	36.
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	28018.1	-1395.9	-1977.8	-252.6	35.2	-467.5			
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	-526.5	0.0	21.9	527.8		
1- 1	si	13	Tz	-524.0	59.7	0.0	534.1		
1- 1	si	5	Ty	-37.7	0.0	77.2	138.9		
----- SOLLECITAZIONI :-----								PROGR.	48.
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	22414.5	-1803.5	-1977.8	-252.6	32.8	-467.5			
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	-435.8	0.0	21.9	437.5		
1- 1	si	13	Tz	-432.7	59.5	0.0	444.8		
1- 1	si	5	Ty	-44.8	0.0	77.2	141.0		
----- SOLLECITAZIONI :-----								PROGR.	60.
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	16810.9	-2183.3	-1977.8	-252.6	30.5	-467.5			
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	-344.7	0.0	21.9	346.8		
1- 1	si	13	Tz	-340.9	59.3	0.0	356.0		
1- 1	si	5	Ty	-51.4	0.0	77.2	143.2		
----- SOLLECITAZIONI :-----								PROGR.	72.
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	11207.3	-2535.1	-1977.8	-252.6	28.2	-467.5			
TENSIONI (Sz= 0.00) :									

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-253.1	0.0	21.9	255.9
1- 1	si	13	Tz Si	-248.6	59.1	0.0	268.9
1- 1	si	5	Ty	-57.5	0.0	77.2	145.5

----- PROGR. 84.

SOLLECITAZIONI :							
Caso			MZ	MY	MT	N	TZ
1- 1			5603.6	-2859.1	-1977.8	-252.6	25.9
TENSIONI (S <sub>z</sub> =				0.00) :			
							TY
1- 1							-467.5

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-160.9	0.0	21.9	165.4
1- 1	si	13	Tz Si	-156.0	58.9	0.0	186.4
1- 1	si	5	Ty	-63.2	0.0	77.2	147.8

----- PROGR. 96.

SOLLECITAZIONI :							
Caso			MZ	MY	MT	N	TZ
1- 1			0.0	-3155.3	-1977.8	-252.6	23.5
TENSIONI (S <sub>z</sub> =				0.00) :			
							TY
1- 1							-467.5

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-68.3	0.0	21.9	78.2
1- 1	si	13	Tz	-62.8	58.7	0.0	119.6
1- 1	si	5	TySi	-68.3	0.0	77.2	150.1

-----  
VERIFICA STABILITA` :

L0 = 96.  
Z Lc = 96. Ro = 3.88 lm = 24.7 Ncr = 645851.6 alfa(a) = 0.2100 ki = 0.9811  
Y Lc = 96. Ro = 3.88 lm = 24.7 Ncr = 645851.6 alfa(a) = 0.2100 ki = 0.9811  
Caso 1- 1 - Nodo 1 - Asse Z  
Ned = -252.6 Mzeq = 33621.8 Myeq = -2366.5 Ss = -641.7 ( 0.245)

CASSONE\_S001 ( 1) stato limite ultimo - ASTA ( 841- 881) 731  
----- PROGR. 0.

SOLLECITAZIONI :							
Caso			MZ	MY	MT	N	TZ
5- 2			0.0	-19427.8	2105.7	77.8	-201.4
1- 1			0.0	-10031.1	4845.9	187.8	-94.4
TENSIONI (S <sub>z</sub> =				0.00) :			
							TY
5- 2							66.9

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5- 2	si	2	Sx	343.0	0.0	23.3	345.4
1- 1	si	13	Tz	-147.6	-86.1	0.0	209.9
1- 1	si	5	Ty	-165.1	0.0	-92.7	230.3
5- 2	si	12	Si	343.0	0.0	-43.9	351.4

----- PROGR. 11.

SOLLECITAZIONI :							
Caso			MZ	MY	MT	N	TZ
5- 2			703.2	-17302.7	2105.7	77.8	-202.9
1- 1			3469.7	-9027.5	4845.9	187.8	-96.5
TENSIONI (S <sub>z</sub> =				0.00) :			
							TY
5- 2							66.9

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5- 2	si	3	Sx	318.2	0.0	23.3	320.8
1- 1	si	13	Tz	-192.4	-86.3	0.0	243.7
1- 1	si	5	Ty	-147.6	0.0	-92.7	218.1
5- 2	si	12	Si	317.0	0.0	-44.0	326.1

----- PROGR. 21.

SOLLECITAZIONI :							
Caso			MZ	MY	MT	N	TZ
5- 2			1406.4	-15161.2	2105.7	77.8	-204.5
1- 1			6939.4	-8002.4	4845.9	187.8	-98.5
TENSIONI (S <sub>z</sub> =				0.00) :			
							TY
5- 2							66.9

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5- 2	si	3	Sx	293.1	0.0	23.3	295.9
1- 1	si	13	Tz	-236.8	-86.5	0.0	280.2
1- 1	si	5	Ty	-129.7	0.0	-92.7	206.4
5- 2	si	12	Si	290.7	0.0	-44.1	300.6

----- PROGR. 32.

SOLLECITAZIONI :							
Caso			MZ	MY	MT	N	TZ
1- 1			10409.1	-6955.9	4845.9	187.8	-100.6
TENSIONI (S <sub>z</sub> =				0.00) :			
							TY
1- 1							330.1

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	312.8	0.0	53.7	326.4
1- 1	si	13	Tz	-280.9	-86.6	0.0	318.5
1- 1	si	5	Ty	-111.5	0.0	-92.7	195.5
1- 1	si	16	Si	300.7	-86.6	0.0	336.1

----- PROGR. 42.

SOLLECITAZIONI :							
Caso			MZ	MY	MT	N	TZ
1- 1			13878.8	-5888.0	4845.9	187.8	-102.6
TENSIONI (S <sub>z</sub> =				0.00) :			
							TY
1- 1							330.1

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	354.8	0.0	53.7	366.7
1- 1	si	13	Tz	-324.7	-86.8	0.0	357.8
1- 1	si	5	Ty	-92.8	0.0	-92.7	185.5
1- 1	si	16	Si	344.5	-86.8	0.0	375.9

----- PROGR. 53.

SOLLECITAZIONI :							
Caso			MZ	MY	MT	N	TZ
1- 1			17348.6	-4798.7	4845.9	187.8	-104.6
TENSIONI (S <sub>z</sub> =				0.00) :			
							TY
1- 1							330.1

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	396.3	0.0	53.7	407.1
1- 1	si	13	Tz	-368.1	-87.0	0.0	397.8
1- 1	si	5	Ty	-73.8	0.0	-92.7	176.7
1- 1	si	16	Si	387.9	-87.0	0.0	416.1

----- PROGR. 63.

SOLLECITAZIONI :							
Caso			MZ	MY	MT	N	TZ
1- 1			20818.3	-3687.9	4845.9	187.8	-106.7
TENSIONI (S <sub>z</sub> =				0.00) :			
							TY
1- 1							330.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	437.4	0.0	53.7	447.2
1-1	si	13	Tz	-411.2	-87.2	0.0	438.1
1-1	si	5	Ty	-54.5	0.0	-92.7	169.6
1-1	si	16	Si	431.0	-87.2	0.0	456.7

----- PROGR. 74.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	24288.0	-2555.8	4845.9	187.8	-108.7	330.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	478.2	0.0	53.7	487.2
1-1	si	13	Tz	-454.0	-87.3	0.0	478.5
1-1	si	5	Ty	-34.7	0.0	-92.7	164.3
1-1	si	16	Si	473.8	-87.3	0.0	497.3

----- PROGR. 84.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	27757.7	-1402.1	4845.9	187.8	-110.8	330.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	518.6	0.0	53.7	526.9
1-1	si	13	Tz	-496.4	-87.5	0.0	519.0
1-1	si	5	Ty	-14.6	0.0	-92.7	161.2
1-1	si	16	Si	516.2	-87.5	0.0	538.0

VERIFICA STABILITA` :

L0 = 84.  
Z | Lc = 84. | Ro = 3.88 | lm = 21.7 | Ncr = 839804.1 | alfa(a) = 0.2100 | ki = 0.9891 |  
Y | Lc = 84. | Ro = 3.88 | lm = 21.7 | Ncr = 839804.1 | alfa(a) = 0.2100 | ki = 0.9891 |  
Caso 5-15 - Nodo 2 - Asse Z  
Ned = -3.1 | Mzeq = 4108.0 | Myeq = 11420.9 | Ss = -271.1 ( 0.104)

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 881- 855) 732  
----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	27757.7	-1402.1	4845.9	-17.7	-110.8	-289.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-509.7	0.0	53.7	518.1
1-1	si	14	Tz	461.3	-84.5	0.0	484.0
1-1	si	5	Ty	-25.4	0.0	87.9	154.4
1-1	si	13	Si	-507.2	66.1	0.0	520.0

----- PROGR. 12.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	24288.0	-60.5	4845.9	-17.7	-113.1	-289.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-425.7	0.0	53.7	435.8
1-1	si	14	Tz	421.9	-84.7	0.0	446.6
1-1	si	5	Ty	-2.0	0.0	87.9	152.3
1-1	si	15	Si	-423.7	-84.7	0.0	448.4

----- PROGR. 24.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	20818.3	1309.0	4845.9	-17.7	-115.4	-289.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-387.0	0.0	53.7	398.0
1-1	si	14	Tz	382.8	-84.8	0.0	410.1
1-1	si	5	Ty	21.9	0.0	87.9	153.8
1-1	si	15	Si	-384.7	-84.8	0.0	411.8

----- PROGR. 36.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	17348.6	2706.3	4845.9	-17.7	-117.7	-289.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-350.8	0.0	53.7	362.9
1-1	si	14	Tz	344.2	-85.0	0.0	374.4
1-1	si	5	Ty	46.3	0.0	87.9	159.1
1-1	si	15	Si	-346.1	-85.0	0.0	376.1

----- PROGR. 48.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	13878.8	4131.5	4845.9	-17.7	-120.1	-289.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-315.2	0.0	53.7	328.6
1-1	si	14	Tz	306.1	-85.2	0.0	339.8
1-1	si	5	Ty	71.1	0.0	87.9	168.1
1-1	si	15	Si	-308.0	-85.2	0.0	341.5

----- PROGR. 60.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	10409.1	5584.6	4845.9	-17.7	-122.4	-289.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-280.0	0.0	53.7	295.0
1-1	si	14	Tz	268.4	-85.4	0.0	306.4
1-1	si	5	Ty	96.5	0.0	87.9	180.3
1-1	si	15	Si	-270.2	-85.4	0.0	308.1

----- PROGR. 72.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
------	----	----	----	---	----	----

5-2			1406.4	13806.2	2105.7	31.7	-224.6	-58.7
1-1			6939.4	7065.5	4845.9	-17.7	-124.7	-289.4
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
5-2	si	4	Sx	267.1	0.0	23.3	270.1	
1-1	si	14	Tz	231.1	-85.6	0.0	274.6	
1-1	si	5	Ty	122.3	0.0	87.9	195.3	
1-1	si	10	Si	-233.2	0.0	87.0	277.6	

PROGR. 84.

SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
5-2			703.2	16509.7	2105.7	31.7	-226.4	-58.7
1-1			3469.7	8574.3	4845.9	-17.7	-127.0	-289.4

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
5-2	si	4	Sx	302.0	0.0	23.3	304.7	
1-1	si	14	Tz	194.2	-85.8	0.0	244.6	
1-1	si	5	Ty	148.7	0.0	87.9	212.8	
5-2	si	11	Si	300.8	0.0	45.1	310.7	

PROGR. 96.

SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
5-2			0.0	19234.7	2105.7	31.7	-228.2	-58.7
1-1			0.0	10111.0	4845.9	-17.7	-129.4	-289.4

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
5-2	si	1	Sx	337.3	0.0	23.3	339.7	
1-1	si	14	Tz	157.8	-86.0	0.0	217.0	
1-1	si	5	Ty	175.5	0.0	87.9	232.3	
5-2	si	11	Si	337.3	0.0	45.2	346.2	

## VERIFICA STABILITA` :

L0 = 96.								
Z	Lc = 96.	Ro = 3.88	lm = 24.7	Ncr = 645851.6	alfa(a) = 0.2100	ki = 0.9811		
Y	Lc = 96.	Ro = 3.88	lm = 24.7	Ncr = 645851.6	alfa(a) = 0.2100	ki = 0.9811		
Caso 1-1 - Nodo 2 - Asse Z								
Ned =	-17.7	Mzeq = 20818.3	Myeq = 7583.3	Ss =	-496.5	( 0.190)		

CASSONE_S001 ( 1)		stato limite ultimo	- ASTA ( 839- 882)	733
				PROGR. 0.

SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
5-13			0.0	8197.8	689.6	-161.8	105.4	66.3
4-12			0.0	2471.1	-2690.4	3.3	36.7	64.9
1-1			0.0	1516.1	-95.6	419.2	18.3	330.1
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
5-13	si	2	Sx	-151.5	0.0	7.6	152.1	
4-12	si	14	Tz	39.0	37.7	0.0	76.0	
1-1	si	5	Ty	48.5	0.0	-40.1	84.7	
5-13	si	10	Si	-151.5	0.0	-21.0	155.8	

PROGR. 11.

SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
5-4			690.4	-6662.0	-783.8	330.1	-85.5	65.7
4-12			681.9	2094.3	-2690.4	3.3	35.1	64.9
1-1			3469.7	1334.0	-95.6	419.2	16.3	330.1

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
5-4	si	3	Sx	145.7	0.0	8.7	146.4	
4-12	si	14	Tz	45.0	37.6	0.0	79.1	
1-1	si	5	Ty	45.3	0.0	-40.1	82.9	
5-4	si	12	Si	144.4	0.0	-20.5	148.7	

PROGR. 21.

SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			6939.4	1173.3	-95.6	419.2	14.3	330.1
4-12			1363.7	1734.0	-2690.4	3.3	33.5	64.9

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	163.6	0.0	1.1	163.6	
4-12	si	14	Tz	51.2	37.4	0.0	82.6	
1-1	si	5	Ty	42.5	0.0	-40.1	81.4	
1-1	si	14	Si	161.6	26.9	0.0	168.1	

PROGR. 32.

SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			10409.1	1034.1	-95.6	419.2	12.2	330.1
4-12			2045.6	1390.5	-2690.4	3.3	32.0	64.9

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	221.7	0.0	1.1	221.7	
4-12	si	14	Tz	57.7	37.3	0.0	86.6	
1-1	si	5	Ty	40.1	0.0	-40.1	80.2	
1-1	si	14	Si	219.9	26.7	0.0	224.7	

PROGR. 42.

SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
1-1			13878.8	916.2	-95.6	419.2	10.2	330.1
4-12			2727.4	1063.7	-2690.4	3.3	30.4	64.9

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	280.2	0.0	1.1	280.2	
4-12	si	14	Tz	64.5	37.2	0.0	91.1	
1-1	si	5	Ty	38.0	0.0	-40.1	79.2	
1-1	si	14	Si	278.6	26.5	0.0	282.4	

PROGR. 53.

SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		17348.6	819.8	-95.6	419.2	8.2	330.1
4-12		3409.3	754.0	-2690.4	3.3	28.8	64.9

TENSIONI (S<sub>z</sub>= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	339.0	0.0	1.1	339.0
4-12	si	14	Tz	71.5	37.0	0.0	96.1
1- 1	si	5	Ty	36.4	0.0	-40.1	78.4
1- 1	si	14	Si	337.6	26.4	0.0	340.7

PROGR. 63.

SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		20818.3	744.8	-95.6	419.2	6.1	330.1
4- 9		4091.1	-680.1	-2697.9	151.7	-28.9	64.9

TENSIONI (S<sub>z</sub>= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	398.3	0.0	1.1	398.3
4- 9	si	13	Tz	-74.1	-37.1	0.0	98.1
1- 1	si	5	Ty	35.1	0.0	-40.1	77.8
1- 1	si	14	Si	397.0	26.2	0.0	399.6

PROGR. 74.

SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		24288.0	691.3	-95.6	419.2	4.1	330.1
4- 9		4773.0	-377.6	-2697.9	151.7	-30.5	64.9

TENSIONI (S<sub>z</sub>= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	457.9	0.0	1.1	457.9
4- 9	si	13	Tz	-81.2	-37.3	0.0	103.7
1- 1	si	5	Ty	34.1	0.0	-40.1	77.3
1- 1	si	14	Si	456.7	26.0	0.0	458.9

PROGR. 84.

SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		27757.7	659.1	-95.6	419.2	2.0	330.1
4- 9		5454.8	57.9	-2697.9	151.7	-32.1	64.9

TENSIONI (S<sub>z</sub>= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	517.8	0.0	1.1	517.9
4- 9	si	13	Tz	-86.3	-37.4	0.0	107.9
1- 1	si	5	Ty	33.6	0.0	-40.1	77.1
1- 1	si	14	Si	516.7	25.8	0.0	518.6

VERIFICA STABILITA' :

L0 = 84. |  
 Z | Lc = 84. | Ro = 3.88 | lm = 21.7 | Ncr = 839804.1 | alfa(a) = 0.2100 | ki = 0.9891 |  
 Y | Lc = 84. | Ro = 3.88 | lm = 21.7 | Ncr = 839804.1 | alfa(a) = 0.2100 | ki = 0.9891 |  
 Caso 5-13 - Nodo 2 - Asse Z  
 Ned = -161.8 | Mzeq = 4184.7 | Myeq = 6148.4 | Ss = -188.9 ( 0.072)

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 882- 853) 734  
 PROGR. 0.

SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		27757.7	659.1	-95.6	213.7	2.0	-289.4
4- 9		5454.8	57.9	-2697.9	110.6	-32.1	-56.9

TENSIONI (S<sub>z</sub>= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	507.0	0.0	1.1	507.0
4- 9	si	14	Tz	101.9	-36.8	0.0	120.2
4- 9	si	10	Ty	-80.8	0.0	37.0	103.2
1- 1	si	14	Si	505.9	-22.5	0.0	507.4

PROGR. 12.

SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		24288.0	648.6	-95.6	213.7	-0.3	-289.4
4- 9		4773.0	382.6	-2697.9	110.6	-33.9	-56.9

TENSIONI (S<sub>z</sub>= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	446.3	0.0	1.1	446.3
4- 9	si	14	Tz	95.1	-36.9	0.0	114.6
4- 9	si	10	Ty	-75.8	0.0	37.1	99.4
1- 1	si	14	Si	445.2	-22.7	0.0	446.9

PROGR. 24.

SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		20818.3	666.0	-95.6	213.7	-2.6	-289.4
4- 9		4091.1	791.7	-2697.9	110.6	-35.7	-56.9

TENSIONI (S<sub>z</sub>= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	386.1	0.0	1.1	386.1
4- 9	si	14	Tz	89.6	-37.1	0.0	110.3
4- 9	si	10	Ty	-72.2	0.0	37.3	96.9
1- 1	si	14	Si	384.9	-22.9	0.0	386.9

PROGR. 36.

SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		17348.6	711.3	-95.6	213.7	-4.9	-289.4
4- 9		3409.3	1227.2	-2697.9	110.6	-37.4	-56.9

TENSIONI (S<sub>z</sub>= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	326.3	0.0	1.1	326.3
4- 9	si	14	Tz	84.6	-37.2	0.0	106.4
4- 9	si	10	Ty	-69.1	0.0	37.4	94.7
1- 1	si	14	Si	325.1	-23.1	0.0	327.5

PROGR. 48.

SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
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## Posto di Controllo Centralizzato - Relazione di calcolo – Scala metallica e vano ascensore

1- 1		13878.8	784.4	-95.6	213.7	-7.3	-289.4
4- 9		2727.4	1685.4	-2697.9	110.6	-39.2	-56.9
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	267.1	0.0	1.1	267.1
4- 9	si	14	Tz	79.9	-37.4	0.0	102.8
4- 9	si	10	Ty	-66.4	0.0	37.5	92.9
1- 1	si	14	Si	265.7	-23.2	0.0	268.7

----- PROGR. 60.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	10409.1	885.3	-95.6	213.7	-9.6	-289.4
4- 9	2045.6	2165.6	-2697.9	110.6	-41.0	-56.9

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	208.3	0.0	1.1	208.3
4- 9	si	14	Tz	75.5	-37.5	0.0	99.6
4- 9	si	10	Ty	-64.1	0.0	37.7	91.4
1- 1	si	14	Si	206.8	-23.4	0.0	210.7

----- PROGR. 72.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5- 4	1380.9	7377.7	-783.8	289.0	-107.2	-57.6
4- 9	1363.7	2667.5	-2697.9	110.6	-42.8	-56.9

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5- 4	si	4	Sx	168.0	0.0	8.7	168.7
4- 9	si	14	Tz	71.5	-37.7	0.0	96.8
4- 9	si	10	Ty	-62.1	0.0	37.8	90.3
5- 4	si	11	Si	165.6	0.0	21.5	169.7

----- PROGR. 84.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5- 4	690.4	8672.3	-783.8	289.0	-109.0	-57.6
4- 9	681.9	3191.0	-2697.9	110.6	-44.6	-56.9

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5- 4	si	4	Sx	178.6	0.0	8.7	179.2
4- 9	si	14	Tz	67.8	-37.8	0.0	94.3
4- 9	si	10	Ty	-60.6	0.0	37.9	89.4
5- 4	si	11	Si	177.4	0.0	21.6	181.3

----- PROGR. 96.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5- 4	0.0	9988.7	-783.8	289.0	-110.8	-57.6
4- 9	0.0	3736.0	-2697.9	110.6	-46.4	-56.9

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5- 4	si	1	Sx	189.5	0.0	8.7	190.1
4- 9	si	14	Tz	64.5	-38.0	0.0	92.1
4- 9	si	10	Ty	-59.4	0.0	38.1	88.7
5- 4	si	11	Si	189.5	0.0	21.7	193.2

## VERIFICA STABILITA` :

L0 = 96.  
 Z Lc = 96. | Ro = 3.88 | lm = 24.7 | Ncr = 645851.6 | alfa(a) = 0.2100 | ki = 0.9811  
 Y Lc = 96. | Ro = 3.88 | lm = 24.7 | Ncr = 645851.6 | alfa(a) = 0.2100 | ki = 0.9811  
 Caso 5-13 - Nodo 1 - Asse Z  
 Ned = -203.0 | Mzeq = 4184.7 | Myeq = -6281.6 | Ss = -193.6 ( 0.074)

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 838- 883 ) 735  
 ----- PROGR. 0.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	1666.6	-873.2	74.5	32.0	330.1

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	33.0	0.0	9.7	37.0
1- 1	si	14	Tz	30.1	36.9	0.0	70.7
1- 1	si	5	TySi	33.0	0.0	-48.7	90.6

----- PROGR. 11.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	3469.7	1340.7	-873.2	74.5	30.0	330.1

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	87.8	0.0	9.7	89.4
1- 1	si	14	Tz	85.5	36.8	0.0	106.6
1- 1	si	5	Ty	27.3	0.0	-48.7	88.6

----- PROGR. 21.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	6939.4	1036.1	-873.2	74.5	28.0	330.1

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	143.1	0.0	9.7	144.1
1- 1	si	14	Tz	141.3	36.6	0.0	154.8
1- 1	si	5	Ty	22.0	0.0	-48.7	87.2

----- PROGR. 32.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	10409.1	753.0	-873.2	74.5	25.9	330.1

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	198.7	0.0	9.7	199.4
1- 1	si	14	Tz	197.4	36.4	0.0	207.2
1- 1	si	5	Ty	17.1	0.0	-48.7	86.0

----- PROGR. 42.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 13878.8 491.3 -873.2 74.5 23.9 330.1

TENSIONI (Sz= 0.00) :  
 Caso Ve|No|massimi Sx Tz Ty Si  
 1- 1|si|4|Sx 254.6 0.0 9.7 255.2  
 1- 1|si|14|Tz Si 253.8 36.3 0.0 261.4  
 1- 1|si|5|Ty 12.5 0.0 -48.7 85.3

PROGR. 53.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 17348.6 251.1 -873.2 74.5 21.8 330.1

TENSIONI (Sz= 0.00) :  
 Caso Ve|No|massimi Sx Tz Ty Si  
 1- 1|si|4|Sx 311.0 0.0 9.7 311.4  
 1- 1|si|14|Tz Si 310.5 36.1 0.0 316.8  
 1- 1|si|5|Ty 8.3 0.0 -48.7 84.7

PROGR. 63.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 20818.3 32.3 -873.2 74.5 19.8 330.1

TENSIONI (Sz= 0.00) :  
 Caso Ve|No|massimi Sx Tz Ty Si  
 1- 1|si|4|Sx 367.7 0.0 9.7 368.1  
 1- 1|si|14|Tz Si 367.6 35.9 0.0 372.9  
 1- 1|si|5|Ty 4.5 0.0 -48.7 84.5

PROGR. 74.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 24288.0 -165.1 -873.2 74.5 17.8 330.1

TENSIONI (Sz= 0.00) :  
 Caso Ve|No|massimi Sx Tz Ty Si  
 1- 1|si|3|Sx 430.6 0.0 9.7 430.9  
 1- 1|si|14|Tz Si 425.1 35.8 0.0 429.6  
 1- 1|si|5|Ty 1.0 0.0 -48.7 84.3  
 1- 1|si|16|Si 430.3 -32.8 0.0 434.0

PROGR. 84.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 27757.7 -341.1 -873.2 74.5 15.7 330.1

TENSIONI (Sz= 0.00) :  
 Caso Ve|No|massimi Sx Tz Ty Si  
 1- 1|si|3|Sx 494.2 0.0 9.7 494.4  
 1- 1|si|14|Tz Si 482.9 35.6 0.0 486.8  
 1- 1|si|5|Ty -2.0 0.0 -48.7 84.4  
 1- 1|si|16|Si 493.6 -33.0 0.0 496.9

VERIFICA STABILITA` :

L0 = 84.  
 Z Lc = 84. Ro = 3.88 lm = 21.7 Ncr = 839804.1 alfa(a) = 0.2100 ki = 0.9891  
 Y Lc = 84. Ro = 3.88 lm = 21.7 Ncr = 839804.1 alfa(a) = 0.2100 ki = 0.9891  
 Caso 5- 2 - Nodo 2 - Asse Z  
 Ned = -8.8 Mz eq = 4205.0 My eq = 1196.8 Ss = -94.7 ( 0.036)

CASSONE\_S001 ( 1) stato limite ultimo - ASTA ( 883- 852) 736  
 PROGR. 0.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 27757.7 -341.1 -873.2 -131.0 15.7 -289.4

TENSIONI (Sz= 0.00) :  
 Caso Ve|No|massimi Sx Tz Ty Si  
 1- 1|si|1|Sx -497.1 0.0 9.7 497.4  
 1- 1|si|13|Tz Si -496.5 32.6 0.0 499.7  
 1- 1|si|5|Ty -12.8 0.0 43.9 77.1

PROGR. 12.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 24288.0 -515.6 -873.2 -131.0 13.4 -289.4

TENSIONI (Sz= 0.00) :  
 Caso Ve|No|massimi Sx Tz Ty Si  
 1- 1|si|1|Sx -439.6 0.0 9.7 440.0  
 1- 1|si|13|Tz Si -438.7 32.4 0.0 442.3  
 1- 1|si|5|Ty -15.9 0.0 43.9 77.7

PROGR. 24.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 20818.3 -662.3 -873.2 -131.0 11.1 -289.4

TENSIONI (Sz= 0.00) :  
 Caso Ve|No|massimi Sx Tz Ty Si  
 1- 1|si|1|Sx -381.7 0.0 9.7 382.0  
 1- 1|si|13|Tz Si -380.5 32.2 0.0 384.6  
 1- 1|si|5|Ty -18.4 0.0 43.9 78.2

PROGR. 36.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 17348.6 -781.1 -873.2 -131.0 8.7 -289.4

TENSIONI (Sz= 0.00) :  
 Caso Ve|No|massimi Sx Tz Ty Si  
 1- 1|si|1|Sx -323.2 0.0 9.7 323.6  
 1- 1|si|13|Tz Si -321.8 32.0 0.0 326.6  
 1- 1|si|5|Ty -20.5 0.0 43.9 78.7

PROGR. 48.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 13878.8 -872.0 -873.2 -131.0 6.4 -289.4

TENSIONI (Sz= 0.00) :  
 Caso Ve|No|massimi Sx Tz Ty Si  
 1- 1|si|1|Sx -264.2 0.0 9.7 264.8

1-1	si	13	Tz	Si	-262.7	31.8	0.0	268.4
1-1	si	5	Ty		-22.1	0.0	43.9	79.2

PROGR. 60.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	10409.1	-935.1	-873.2	-131.0	4.1	-289.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-204.8	0.0	9.7	205.5
1-1	si	13	Tz	-203.2	31.6	0.0	210.4
1-1	si	5	Ty	-23.2	0.0	43.9	79.5

PROGR. 72.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	6939.4	-970.3	-873.2	-131.0	1.8	-289.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-144.9	0.0	9.7	145.9
1-1	si	13	Tz	-143.2	31.4	0.0	153.2
1-1	si	5	Ty	-23.8	0.0	43.9	79.7

PROGR. 84.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	3469.7	-977.6	-873.2	-131.0	-0.6	-289.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-84.5	0.0	9.7	86.1
1-1	si	14	Tz	38.3	-31.3	0.0	66.4
1-1	si	5	Ty	-23.9	0.0	43.9	79.7
1-1	si	13	Si	-82.8	31.2	0.0	98.9

PROGR. 96.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-957.1	-873.2	-131.0	-2.9	-289.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	4	Sx	-23.6	0.0	9.7	28.9
1-1	si	14	Tz	-21.9	-31.5	0.0	58.8
1-1	si	5	TySi	-23.6	0.0	43.9	79.6

## VERIFICA STABILITA` :

L0 = 96.  
 Z Lc = 96. | Ro = 3.88 | lm = 24.7 | Ncr = 645851.6 | alfa(a) = 0.2100 | ki = 0.9811 |  
 Y Lc = 96. | Ro = 3.88 | lm = 24.7 | Ncr = 645851.6 | alfa(a) = 0.2100 | ki = 0.9811 |  
 Caso 1-1 - Nodo 1 - Asse Z  
 Ned = -131.0 | Mzeq = 20818.3 | Myeq = -977.6 | Ss = -387.4 ( 0.148)

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 831- 878) 737  
 PROGR. 0.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	1178.1	-664.5	145.8	27.9	366.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	28.2	0.0	7.4	31.0
1-1	si	14	Tz	26.2	37.0	0.0	69.2
1-1	si	5	TySi	28.2	0.0	-50.6	92.2

PROGR. 12.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	4499.6	850.1	-664.5	145.8	25.5	366.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	4	Sx	101.0	0.0	7.4	101.8
1-1	si	14	Tz	99.5	36.8	0.0	118.2
1-1	si	5	Ty	22.5	0.0	-50.6	90.6

PROGR. 25.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	8999.2	551.3	-664.5	145.8	23.1	366.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	4	Sx	174.3	0.0	7.4	174.8
1-1	si	14	Tz	173.3	36.6	0.0	184.6
1-1	si	5	Ty	17.3	0.0	-50.6	89.4

PROGR. 37.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	13498.8	281.9	-664.5	145.8	20.7	366.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	4	Sx	248.1	0.0	7.4	248.4
1-1	si	14	Tz	247.6	36.4	0.0	255.5
1-1	si	5	Ty	12.6	0.0	-50.6	88.6

PROGR. 49.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	17998.4	41.7	-664.5	145.8	18.4	366.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	4	Sx	322.4	0.0	7.4	322.7
1-1	si	14	Tz	322.3	36.2	0.0	328.4
1-1	si	5	Ty	8.4	0.0	-50.6	88.1

PROGR. 61.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	22498.0	-169.2	-664.5	145.8	16.0	366.2

TENSIONI (Sz= 0.00) :

## Posto di Controllo Centralizzato - Relazione di calcolo – Scala metallica e vano ascensore

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	403.1	0.0	7.4	403.3
1- 1	si	14	Tz	397.5	36.0	0.0	402.4
1- 1	si	5	Ty	4.7	0.0	-50.6	87.9
1- 1	si	16	Si	402.9	-33.4	0.0	407.0

PROGR. 74.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		26997.6	-350.8	-664.5	145.8	13.6	366.2

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	484.8	0.0	7.4	485.0
1- 1	si	14	Tz	473.2	35.8	0.0	477.2
1- 1	si	5	Ty	1.6	0.0	-50.6	87.7
1- 1	si	16	Si	484.2	-33.5	0.0	487.7

PROGR. 86.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		31497.2	-503.1	-664.5	145.8	11.2	366.2

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	566.0	0.0	7.4	566.1
1- 1	si	14	Tz	549.3	35.6	0.0	552.8
1- 1	si	5	Ty	-1.1	0.0	-50.6	87.7
1- 1	si	16	Si	565.1	-33.7	0.0	568.1

PROGR. 98.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		35996.8	-626.2	-664.5	145.8	8.8	366.2

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	646.6	0.0	7.4	646.8
1- 1	si	14	Tz	625.9	35.4	0.0	628.9
1- 1	si	5	Ty	-3.3	0.0	-50.6	87.8
1- 1	si	16	Si	645.5	-33.9	0.0	648.2

VERIFICA STABILITA` : asta tesa per tutti i casi di carico.

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 879- 845) 738  
0.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		21558.3	-814.2	-664.5	-265.2	-2.2	-872.8

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-404.3	0.0	7.4	404.5
1- 1	si	14	Tz	349.4	-72.6	0.0	371.3
1- 1	si	5	Ty	-28.2	0.0	110.5	193.5
1- 1	si	13	Si	-402.9	72.3	0.0	421.9

PROGR. 3.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		18863.5	-806.4	-664.5	-265.2	-2.8	-872.8

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-357.1	0.0	7.4	357.4
1- 1	si	14	Tz	302.5	-72.7	0.0	327.6
1- 1	si	5	Ty	-28.0	0.0	110.5	193.5
1- 1	si	13	Si	-355.7	72.2	0.0	377.1

PROGR. 6.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		16168.7	-796.8	-664.5	-265.2	-3.4	-872.8

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-310.0	0.0	7.4	310.2
1- 1	si	14	Tz	255.6	-72.7	0.0	285.0
1- 1	si	5	Ty	-27.9	0.0	110.5	193.5
1- 1	si	13	Si	-308.6	72.2	0.0	332.9

PROGR. 9.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		13474.0	-785.3	-664.5	-265.2	-4.0	-872.8

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-262.7	0.0	7.4	263.0
1- 1	si	14	Tz	208.8	-72.8	0.0	243.9
1- 1	si	5	Ty	-27.7	0.0	110.5	193.4
1- 1	si	13	Si	-261.4	72.1	0.0	289.7

PROGR. 12.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		10779.2	-772.0	-664.5	-265.2	-4.6	-872.8

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-215.5	0.0	7.4	215.9
1- 1	si	14	Tz	162.0	-72.8	0.0	205.3
1- 1	si	5	Ty	-27.4	0.0	110.5	193.4
1- 1	si	13	Si	-214.1	72.1	0.0	247.9

PROGR. 15.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		8084.4	-756.8	-664.5	-265.2	-5.2	-872.8

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-168.2	0.0	7.4	168.7
1- 1	si	14	Tz	115.2	-72.9	0.0	170.9
1- 1	si	5	Ty	-27.2	0.0	110.5	193.4
1- 1	si	13	Si	-166.9	72.0	0.0	208.4

Posto di Controllo Centralizzato - Relazione di calcolo – Scala metallica e vano ascensore

----- PROGR. 19.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	5389.6	-739.7	-664.5	-265.2	-5.8	-872.8

TENSIONI (Sz=0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-120.9	0.0	7.4	121.6
1-1	si	14	Tz	68.5	-72.9	0.0	143.7
1-1	si	5	TySi	-26.9	0.0	110.5	193.3

----- PROGR. 22.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	2694.8	-720.8	-664.5	-265.2	-6.4	-872.8

TENSIONI (Sz=0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-73.6	0.0	7.4	74.6
1-1	si	14	Tz	21.7	-73.0	0.0	128.3
1-1	si	5	TySi	-26.5	0.0	110.5	193.3

----- PROGR. 25.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-700.1	-664.5	-265.2	-7.0	-872.8

TENSIONI (Sz=0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-26.2	0.0	7.4	29.1
1-1	si	14	Tz	-25.0	-73.0	0.0	129.0
1-1	si	5	TySi	-26.2	0.0	110.5	193.2

-----

VERIFICA STABILITA` :

L0 = 25.  
 Z Lc = 25. | Ro = 3.88 | lm = 6.4 | Ncr = 9735899.1 | alfa(a) = 0.2100 | ki = 1.0000  
 Y Lc = 25. | Ro = 3.88 | lm = 6.4 | Ncr = 9735899.1 | alfa(a) = 0.2100 | ki = 1.0000  
 Caso 1-1 - Nodo 1 - Asse Z  
 Ned = -265.2 | Mzeq = 16168.7 | Myeq = -814.2 | Ss = -310.3 ( 0.118)

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 845- 1073) 741  
 ----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-18153.9	2257.7	-1200.6	-954.6	0.0

TENSIONI (Sz=0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-379.9	0.0	25.0	382.4
1-1	si	7	Tz	-63.2	-137.9	0.0	247.0
1-1	si	10	Ty	253.5	0.0	96.2	303.4
1-1	si	9	Si	-379.9	0.0	-96.2	414.9

----- PROGR. 5.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-13318.6	2257.7	-1200.6	-955.6	0.0

TENSIONI (Sz=0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	4	Sx	-295.6	0.0	25.0	298.7
1-1	si	7	Tz	-63.2	-138.0	0.0	247.2
1-1	si	10	Ty	169.2	0.0	96.3	237.6
1-1	si	11	Si	-295.6	0.0	96.3	339.4

----- PROGR. 10.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-8478.3	2257.7	-1200.6	-956.6	0.0

TENSIONI (Sz=0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	4	Sx	-211.1	0.0	25.0	215.5
1-1	si	7	Tz	-63.2	-138.1	0.0	247.4
1-1	si	10	Ty	84.7	0.0	96.4	187.2
1-1	si	11	Si	-211.1	0.0	96.4	269.1

----- PROGR. 15.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-3633.1	2257.7	-1200.6	-957.6	0.0

TENSIONI (Sz=0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	4	Sx	-126.6	0.0	25.0	133.8
1-1	si	7	Tz	-63.2	-138.2	0.0	247.6
1-1	si	10	Ty	0.2	0.0	96.4	167.0
1-1	si	8	Si	-63.2	-138.2	0.0	247.6

----- PROGR. 20.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	1217.1	2257.7	-1200.6	-958.6	0.0

TENSIONI (Sz=0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	-84.4	0.0	25.0	94.9
1-1	si	7	Tz	-63.2	-138.3	0.0	247.8
1-1	si	10	Ty	-84.4	0.0	96.5	187.3
1-1	si	8	Si	-63.2	-138.3	0.0	247.8

----- PROGR. 25.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	6072.3	2257.7	-1200.6	-959.5	0.0

TENSIONI (Sz=0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	-169.1	0.0	25.0	174.6
1-1	si	7	Tz	-63.2	-138.4	0.0	248.0
1-1	si	10	Ty	-169.1	0.0	96.6	237.9
1-1	si	8	Si	-63.2	-138.4	0.0	248.0

----- PROGR. 30.

SOLLECITAZIONI :

Posto di Controllo Centralizzato - Relazione di calcolo – Scala metallica e vano ascensore

Caso	MZ	MY	MT	N	TZ	TY	
1-1	0.0	10932.5	2257.7	-1200.6	-960.5	0.0	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	-253.9	0.0	25.0	257.6
1-1	si	7	Tz	-63.2	-138.6	0.0	248.2
1-1	si	10	Ty	-253.9	0.0	96.7	304.1
1-1	si	12	Si	-253.9	0.0	-96.7	304.1

35.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY	
1-1	0.0	15797.6	2257.7	-1200.6	-961.5	0.0	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	-338.8	0.0	25.0	341.6
1-1	si	7	Tz	-63.2	-138.7	0.0	248.4
1-1	si	10	Ty	-338.8	0.0	96.7	378.0
1-1	si	12	Si	-338.8	0.0	-96.7	378.0

40.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY	
1-1	0.0	20667.7	2257.7	-1200.6	-962.5	0.0	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	-423.8	0.0	25.0	426.0
1-1	si	7	Tz	-63.2	-138.8	0.0	248.5
1-1	si	10	Ty	-423.8	0.0	96.8	455.7
1-1	si	12	Si	-423.8	0.0	-96.8	455.7

VERIFICA STABILITA` :

L0 = 40.  
 Z | Lc = 40. | Ro = 3.88 | lm = 10.4 | Ncr= 3621261.8 | alfa(a)=0.2100 | ki=1.0000 |  
 Y | Lc = 40. | Ro = 3.88 | lm = 10.4 | Ncr= 3621261.8 | alfa(a)=0.2100 | ki=1.0000 |  
 Caso 1-1 - Nodo 3 - Asse Z  
 Ned = -1200.6 | Mzeq = 0.0 | Myeq = 15500.7 | Ss = -333.7 ( 0.127 )

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 834- 1053 ) 754  
 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY	
1-1	0.0	3999.3	-4486.0	-27.3	38.1	114.3	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-71.2	0.0	49.7	111.7
1-1	si	14	Tz	61.4	61.4	0.0	122.8
1-1	si	5	Ty	68.3	0.0	-63.2	129.1
1-1	si	6	Si	-71.2	0.0	-63.2	130.6

5.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY	
1-1	576.2	3806.4	-4486.0	-27.3	38.1	113.3	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-77.9	0.0	49.7	116.1
1-1	si	14	Tz	68.4	61.3	0.0	126.3
1-1	si	5	Ty	65.0	0.0	-63.1	127.2
1-1	si	10	Si	-76.9	0.0	-61.9	132.0

10.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY	
1-1	1147.4	3613.5	-4486.0	-27.3	38.1	112.3	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-84.5	0.0	49.7	120.6
1-1	si	14	Tz	75.3	61.2	0.0	130.1
1-1	si	5	Ty	61.6	0.0	-63.0	125.3
1-1	si	10	Si	-82.5	0.0	-61.9	135.2

15.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY	
1-1	1713.7	3420.5	-4486.0	-27.3	38.1	111.4	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-91.0	0.0	49.7	125.3
1-1	si	14	Tz	82.2	61.2	0.0	134.1
1-1	si	5	Ty	58.2	0.0	-62.9	123.5
1-1	si	10	Si	-88.0	0.0	-61.8	138.6

20.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY	
1-1	2275.0	3227.6	-4486.0	-27.3	38.1	110.4	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-97.4	0.0	49.7	130.0
1-1	si	14	Tz	88.9	61.1	0.0	138.2
1-1	si	5	Ty	54.9	0.0	-62.8	121.8
1-1	si	10	Si	-93.5	0.0	-61.7	142.0

25.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY	
1-1	2831.3	3034.7	-4486.0	-27.3	38.1	109.4	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-103.8	0.0	49.7	134.8
1-1	si	14	Tz	95.6	61.0	0.0	142.5
1-1	si	5	Ty	51.5	0.0	-62.6	120.1
1-1	si	10	Si	-98.8	0.0	-61.6	145.5

30.

## Posto di Controllo Centralizzato - Relazione di calcolo – Scala metallica e vano ascensore

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 3382.7 2841.7 -4486.0 -27.3 38.1 108.4

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si  
 1- 1 si 2 Sx -110.0 0.0 49.7 139.7  
 1- 1 si 14 Tz 102.2 61.0 0.0 146.9  
 1- 1 si 5 Ty 48.1 0.0 -62.5 118.5  
 1- 1 si 10 Si -104.1 0.0 -61.5 149.0

----- PROGR. 35.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 3929.1 2648.8 -4486.0 -27.3 38.1 107.4

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si  
 1- 1 si 2 Sx -116.2 0.0 49.7 144.6  
 1- 1 si 14 Tz 108.7 60.9 0.0 151.4  
 1- 1 si 5 Ty 44.8 0.0 -62.4 117.0  
 1- 1 si 15 Si -111.6 60.9 0.0 153.5

----- PROGR. 40.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 4470.5 2455.9 -4486.0 -27.3 38.1 106.5

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si  
 1- 1 si 2 Sx -122.3 0.0 49.7 149.5  
 1- 1 si 14 Tz 115.1 60.8 0.0 156.0  
 1- 1 si 5 Ty 41.4 0.0 -62.3 115.6  
 1- 1 si 15 Si -118.0 60.8 0.0 158.2

----- VERIFICA STABILITA` :

L0 = 40.  
 Z Lc = 40. Ro = 3.88 lm = 10.4 Ncr= 3621261.8 alfa(a)=0.2100 ki=1.0000  
 Y Lc = 40. Ro = 3.88 lm = 10.4 Ncr= 3621261.8 alfa(a)=0.2100 ki=1.0000  
 Caso 1- 1 - Nodo 2 - Asse Z  
 Ned = -27.3 Mzeq = 3352.9 Myeq = 3999.3 Ss = -129.7 ( 0.050)

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 822- 1048) 757  
 ----- PROGR. 0.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 0.0 9560.3 -824.3 -22.2 86.2 231.5

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si  
 1- 1 si 2 Sx -168.0 0.0 9.1 168.7  
 1- 1 si 14 Tz 149.0 33.5 0.0 159.9  
 1- 1 si 5 Ty 165.6 0.0 -36.5 177.3  
 1- 1 si 6 Si -168.0 0.0 -36.5 179.5

----- PROGR. 5.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 1169.5 9123.8 -824.3 -22.2 86.2 230.5

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si  
 1- 1 si 2 Sx -180.8 0.0 9.1 181.4  
 1- 1 si 14 Tz 162.5 33.5 0.0 172.5  
 1- 1 si 5 Ty 158.0 0.0 -36.4 170.1  
 1- 1 si 10 Si -178.7 0.0 -34.7 188.5

----- PROGR. 10.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 2334.1 8687.2 -824.3 -22.2 86.2 229.5

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si  
 1- 1 si 2 Sx -193.5 0.0 9.1 194.1  
 1- 1 si 14 Tz 176.0 33.4 0.0 185.2  
 1- 1 si 5 Ty 150.4 0.0 -36.3 163.0  
 1- 1 si 10 Si -189.4 0.0 -34.6 198.6

----- PROGR. 15.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 3493.7 8250.6 -824.3 -22.2 86.2 228.6

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si  
 1- 1 si 2 Sx -206.1 0.0 9.1 206.7  
 1- 1 si 14 Tz 189.3 33.3 0.0 197.9  
 1- 1 si 5 Ty 142.8 0.0 -36.2 155.9  
 1- 1 si 10 Si -200.0 0.0 -34.5 208.7

----- PROGR. 20.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 4648.3 7814.1 -824.3 -22.2 86.2 227.6

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si  
 1- 1 si 2 Sx -218.6 0.0 9.1 219.2  
 1- 1 si 14 Tz 202.6 33.3 0.0 210.7  
 1- 1 si 5 Ty 135.2 0.0 -36.0 148.9

----- PROGR. 25.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 5798.0 7377.5 -824.3 -22.2 86.2 226.6

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si  
 1- 1 si 2 Sx -231.0 0.0 9.1 231.6  
 1- 1 si 14 Tz 215.8 33.2 0.0 223.4  
 1- 1 si 5 Ty 127.5 0.0 -35.9 141.9

----- PROGR. 30.

----- SOLLECITAZIONI :

## Posto di Controllo Centralizzato - Relazione di calcolo – Scala metallica e vano ascensore

Caso	MZ	MY	MT	N	TZ	TY		
1-1	6942.7	6940.9	-824.3	-22.2	86.2	225.6		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	Si	-243.4	0.0	9.1	243.9
1-1	si	14	Tz		228.9	33.1	0.0	236.0
1-1	si	5	Ty		119.9	0.0	-35.8	135.0
-----								
PROGR.							35.	
SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	8082.4	6504.4	-824.3	-22.2	86.2	224.6		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	Si	-255.7	0.0	9.1	256.1
1-1	si	14	Tz		242.0	33.0	0.0	248.7
1-1	si	5	Ty		112.3	0.0	-35.7	128.2
-----								
PROGR.							40.	
SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	9217.1	6067.8	-824.3	-22.2	86.2	223.7		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	Si	-267.8	0.0	9.1	268.3
1-1	si	14	Tz		254.9	33.0	0.0	261.2
1-1	si	5	Ty		104.7	0.0	-35.6	121.5
-----								
VERIFICA STABILITA` :								
L0 =	40.							
Z	Lc = 40.	Ro = 3.88	lm = 10.4	Ncr = 3621261.8	alfa(a) = 0.2100	ki = 1.0000		
Y	Lc = 40.	Ro = 3.88	lm = 10.4	Ncr = 3621261.8	alfa(a) = 0.2100	ki = 1.0000		
Caso 1-1 - Nodo 2 - Asse Z								
Ned =	-22.2	Mzeq =	6912.8	Myeq =	9560.3	Ss =	-288.6 ( 0.110)	
CASSONE_S001 ( 1 ) stato limite ultimo - ASTA ( 1048- 1050)							758	
-----							0.	
SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	9217.1	6261.2	-249.5	-22.2	90.5	29.8		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	Si	-271.2	0.0	2.8	271.3
1-1	si	7	Tz		-162.0	13.5	0.0	163.6
1-1	si	10	Ty		-255.1	0.0	-12.0	256.0
-----								
PROGR.							15.	
SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	9642.5	4903.4	-249.5	-22.2	90.5	26.9		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	Si	-254.9	0.0	2.8	255.0
1-1	si	7	Tz		-169.4	13.5	0.0	171.0
1-1	si	10	Ty		-238.1	0.0	-11.7	239.0
-----								
PROGR.							30.	
SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	10024.2	3545.6	-249.5	-22.2	90.5	24.0		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	Si	-237.9	0.0	2.8	238.0
1-1	si	7	Tz		-176.1	13.5	0.0	177.6
1-1	si	10	Ty		-220.4	0.0	-11.5	221.3
-----								
PROGR.							45.	
SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	10362.3	2187.8	-249.5	-22.2	90.5	21.1		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	Si	-220.1	0.0	2.8	220.2
1-1	si	7	Tz		-182.0	13.5	0.0	183.4
1-1	si	10	Ty		-202.0	0.0	-11.3	203.0
-----								
PROGR.							60.	
SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	10656.7	829.9	-249.5	-22.2	90.5	18.2		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	Si	-201.6	0.0	2.8	201.6
1-1	si	7	Tz		-187.1	13.5	0.0	188.5
1-1	si	10	Ty		-183.0	0.0	-11.0	184.0
-----								
PROGR.							75.	
SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	10907.6	-527.9	-249.5	-22.2	90.5	15.3		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	Si	-200.7	0.0	2.8	200.7
1-1	si	7	Tz		-191.5	13.5	0.0	192.9
1-1	si	10	Ty		-163.2	0.0	-10.8	164.3
-----								
PROGR.							90.	
SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	11114.8	-1885.7	-249.5	-22.2	90.5	12.4		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	Si	-228.0	0.0	2.8	228.0
1-1	si	7	Tz		-195.1	13.5	0.0	196.5
1-1	si	10	Ty		-142.8	0.0	-10.5	144.0
-----								
PROGR.							105.	



SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	11278.4	-3243.6	-249.5	-22.2	90.5	9.5		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	Si	-254.5	0.0	2.8	254.6
1-1	si	7	Tz		-197.9	13.5	0.0	199.3
1-1	si	10	Ty		-121.7	0.0	-10.3	123.0

PROGR. 120.

SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	11398.3	-4601.4	-249.5	-22.2	90.5	6.5		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	Si	-280.3	0.0	2.8	280.4
1-1	si	7	Tz		-200.0	13.5	0.0	201.4
1-1	si	10	Ty		-99.9	0.0	-10.1	101.4

## VERIFICA STABILITA` :

L0 = 120. |  
 Z | Lc = 120. | Ro = 3.88 | lm = 30.9 | Ncr = 412484.4 | alfa(a) = 0.2100 | ki = 0.9640 |  
 Y | Lc = 120. | Ro = 3.88 | lm = 30.9 | Ncr = 412484.4 | alfa(a) = 0.2100 | ki = 0.9640 |  
 Caso 1-1 - Nodo 2 - Asse Z  
 Ned = -22.2 | Mzeq = 11398.3 | Myeq = 4695.9 | Ss = -282.0 ( 0.108 )

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 1050- 823 ) 759  
 ----- PROGR. 0.

SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	11398.3	-4292.5	50.3	-22.2	92.3	-196.3		
5-13	8028.4	-1152.4	958.8	1.7	23.8	-137.9		
5-15	8041.9	-895.2	989.3	4.4	19.2	-138.1		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	Si	-274.9	0.0	0.6	274.9
5-13	si	13	Tz		-158.1	22.9	0.0	163.0
5-15	si	5	Ty		-15.4	0.0	27.3	49.7

PROGR. 7.

SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	10007.4	-4944.5	50.3	-22.2	92.3	-197.6		
5-13	7050.9	-1297.4	958.8	1.7	23.8	-138.9		
5-15	7062.7	-1008.0	989.3	4.4	19.2	-139.2		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	Si	-262.0	0.0	0.6	262.0
5-13	si	13	Tz		-143.3	23.0	0.0	148.7
5-15	si	5	Ty		-17.4	0.0	27.4	50.6

PROGR. 14.

SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	8606.8	-5596.5	50.3	-22.2	92.3	-199.0		
5-15	6076.1	-1122.0	989.3	4.4	19.2	-140.2		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	Si	-249.0	0.0	0.6	249.0
1-1	si	13	Tz		-239.2	23.1	0.0	242.5
5-15	si	5	Ty		-19.3	0.0	27.5	51.5

PROGR. 21.

SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	7196.5	-6248.5	50.3	-22.2	92.3	-200.4		
5-15	5082.0	-1237.3	989.3	4.4	19.2	-141.3		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	Si	-235.7	0.0	0.6	235.7
1-1	si	13	Tz		-224.8	23.2	0.0	228.4
5-15	si	5	Ty		-21.4	0.0	27.7	52.5

PROGR. 28.

SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	5776.5	-6900.5	50.3	-22.2	92.3	-201.7		
5-15	4080.5	-1354.0	989.3	4.4	19.2	-142.3		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	Si	-222.3	0.0	0.6	222.3
1-1	si	13	Tz		-210.3	23.3	0.0	214.1
5-15	si	5	Ty		-23.4	0.0	27.8	53.5

PROGR. 35.

SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	4346.9	-7552.6	50.3	-22.2	92.3	-203.1		
5-15	3071.5	-1472.3	989.3	4.4	19.2	-143.4		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	Si	-208.8	0.0	0.6	208.8
1-1	si	13	Tz		-195.6	23.4	0.0	199.7
5-15	si	5	Ty		-25.5	0.0	27.9	54.6

PROGR. 42.

SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	2907.6	-8204.6	50.3	-22.2	92.3	-204.5		
5-15	2055.1	-1592.2	989.3	4.4	19.2	-144.4		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	Si	-195.0	0.0	0.6	195.0
1-1	si	13	Tz		-180.7	23.5	0.0	185.2
5-15	si	5	Ty		-27.5	0.0	28.0	55.8

----- PROGR. 49.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	1458.6	-8856.6	50.3	-22.2	92.3	-205.8
5-15	1031.3	-1713.7	989.3	4.4	19.2	-145.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-181.1	0.0	0.6	181.1
1- 1	si	13	Tz	-165.7	23.6	0.0	170.6
5-15	si	5	Ty	-29.7	0.0	28.2	57.1
1- 1	si	9	Si	-178.6	0.0	24.5	183.6

----- PROGR. 56.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-9508.6	50.3	-22.2	92.3	-207.2
5-15	0.0	-1836.8	989.3	4.4	19.2	-146.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-167.1	0.0	0.6	167.1
1- 1	si	13	Tz	-150.5	23.7	0.0	156.0
5-15	si	5	Ty	-31.8	0.0	28.3	58.4
1- 1	si	5	Si	-167.1	0.0	25.1	172.6

-----

VERIFICA STABILITA` :

L0 = 56. |  
 Z |Lc = 56. |Ro = 3.88 |lm = 14.5 |Ncr= 1860685.9 |alfa(a)=0.2100 |ki=1.0000 |  
 Y |Lc = 56. |Ro = 3.88 |lm = 14.5 |Ncr= 1860685.9 |alfa(a)=0.2100 |ki=1.0000 |  
 Caso 1- 1 - Nodo 1 - Asse Z  
 Ned = -22.2 |Mzeq = 8548.7 |Myeq = -8970.7 |Ss = -306.8 ( 0.117)

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 1052- 841) 763  
 ----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	9138.0	-2001.8	2049.4	-27.3	32.5	-156.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-195.8	0.0	22.7	199.7
1- 1	si	13	Tz	-192.3	37.1	0.0	202.7
1- 1	si	5	Ty	-36.4	0.0	41.2	80.1

----- PROGR. 7.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	8029.6	-2231.7	2049.4	-27.3	32.5	-157.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-180.5	0.0	22.7	184.7
1- 1	si	13	Tz	-176.6	37.2	0.0	187.9
1- 1	si	5	Ty	-40.4	0.0	41.3	82.2

----- PROGR. 14.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	6911.5	-2461.5	2049.4	-27.3	32.5	-159.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-165.0	0.0	22.7	169.6
1- 1	si	13	Tz	-160.7	37.3	0.0	173.2
1- 1	si	5	Ty	-44.4	0.0	41.5	84.5

----- PROGR. 21.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	5783.8	-2691.3	2049.4	-27.3	32.5	-160.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-149.3	0.0	22.7	154.4
1- 1	si	13	Tz	-144.6	37.4	0.0	158.4
1- 1	si	5	Ty	-48.4	0.0	41.7	86.9

----- PROGR. 28.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	4646.3	-2921.1	2049.4	-27.3	32.5	-161.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-133.5	0.0	22.7	139.1
1- 1	si	13	Tz	-128.4	37.5	0.0	143.8
1- 1	si	5	Ty	-52.4	0.0	41.8	89.4

----- PROGR. 35.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	3499.3	-3151.0	2049.4	-27.3	32.5	-163.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-117.5	0.0	22.7	123.9
1- 1	si	13	Tz	-112.0	37.6	0.0	129.5
1- 1	si	5	Ty	-56.4	0.0	42.0	92.0
1- 1	si	9	Si	-111.4	0.0	38.7	129.9

----- PROGR. 42.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	2342.5	-3380.8	2049.4	-27.3	32.5	-164.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-101.3	0.0	22.7	108.7
1- 1	si	13	Tz	-95.4	37.7	0.0	115.6
1- 1	si	5	Ty	-60.4	0.0	42.1	94.8
1- 1	si	9	Si	-97.2	0.0	38.8	118.1

----- PROGR. 49.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	1176.1	-3610.6	2049.4	-27.3	32.5	-165.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-85.0	0.0	22.7	93.6
1-1	si	13	Tz	-78.7	37.8	0.0	102.3
1-1	si	5	Ty	-64.4	0.0	42.3	97.6
1-1	si	9	Si	-82.9	0.0	38.9	106.8

----- PROGR. 56.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-3840.5	2049.4	-27.3	32.5	-167.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-68.4	0.0	22.7	78.9
1-1	si	13	Tz	-61.7	37.9	0.0	90.1
1-1	si	5	TySi	-68.4	0.0	42.5	100.5

-----  
VERIFICA STABILITA' :

L0 = 56.  
 Z Lc = 56. | Ro = 3.88 | lm = 14.5 | Ncr = 1860685.9 | alfa(a) = 0.2100 | ki = 1.0000  
 Y Lc = 56. | Ro = 3.88 | lm = 14.5 | Ncr = 1860685.9 | alfa(a) = 0.2100 | ki = 1.0000  
 Caso 1-1 - Nodo 1 - Asse Z  
 Ned = -27.3 | Mzeq = 6853.5 | Myeq = -3797.5 | Ss = -187.3 ( 0.072)

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 1053- 1052 ) 764  
 ----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	4470.5	1839.1	-886.6	-27.3	28.7	50.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx Si	-111.5	0.0	9.8	112.8
1-1	si	14	Tz	105.4	16.0	0.0	109.0
1-1	si	10	Ty	-103.7	0.0	-16.2	107.4

----- PROGR. 15.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	5206.6	1408.8	-886.6	-27.3	28.7	47.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx Si	-116.9	0.0	9.8	118.1
1-1	si	14	Tz	111.5	15.8	0.0	114.8
1-1	si	10	Ty	-107.8	0.0	-15.9	111.2

----- PROGR. 30.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	5899.1	978.5	-886.6	-27.3	28.7	44.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-121.4	0.0	9.8	122.6
1-1	si	14	Tz	116.8	15.5	0.0	119.9
1-1	si	10	Ty	-111.1	0.0	-15.7	114.4
1-1	si	15	Si	-119.7	15.5	0.0	122.7

----- PROGR. 45.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	6548.0	548.2	-886.6	-27.3	28.7	41.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-125.2	0.0	9.8	126.4
1-1	si	14	Tz	121.4	15.3	0.0	124.3
1-1	si	10	Ty	-113.8	0.0	-15.4	116.9
1-1	si	15	Si	-124.3	15.3	0.0	127.1

----- PROGR. 60.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	7153.2	117.9	-886.6	-27.3	28.7	38.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-128.3	0.0	9.8	129.4
1-1	si	14	Tz	125.2	15.1	0.0	127.9
1-1	si	10	Ty	-115.8	0.0	-15.2	118.8
1-1	si	15	Si	-128.1	15.1	0.0	130.7

----- PROGR. 75.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	7714.9	-312.4	-886.6	-27.3	28.7	36.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx Si	-141.5	0.0	9.8	142.5
1-1	si	14	Tz	128.3	14.9	0.0	130.8
1-1	si	10	Ty	-117.1	0.0	-14.9	120.0

----- PROGR. 90.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	8232.8	-742.7	-886.6	-27.3	28.7	33.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx Si	-158.0	0.0	9.8	158.9
1-1	si	14	Tz	130.5	14.7	0.0	133.0
1-1	si	10	Ty	-117.8	0.0	-14.7	120.5

----- PROGR. 105.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	8707.2	-1173.0	-886.6	-27.3	28.7	30.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx				

1- 1	si	1	Sx	Si	-173.8	0.0	9.8	174.6
1- 1	si	14	Tz		132.1	14.5	0.0	134.4
1- 1	si	10	Ty		-117.7	0.0	-14.5	120.3

----- PROGR. 120.

## SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		9138.0	-1603.3	-886.6	-27.3	28.7	27.3

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	Si	-188.8	0.0	9.8	189.6
1- 1	si	14	Tz		132.8	14.2	0.0	135.1
1- 1	si	10	Ty		-117.0	0.0	-14.2	119.5

## VERIFICA STABILITA` :

L0 = 120.  
 Z | Lc = 120. | Ro = 3.88 | lm = 30.9 | Ncr= 412484.4 | alfa(a)=0.2100 | ki=0.9640 |  
 Y | Lc = 120. | Ro = 3.88 | lm = 30.9 | Ncr= 412484.4 | alfa(a)=0.2100 | ki=0.9640 |  
 Caso 1- 1 - Nodo 2 - Asse Z  
 Ned = -27.3 | Mzeq = 9138.0 | Myeq = 1379.3 | Ss = -185.0 ( 0.071 )

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 1048- 1053 ) 765  
 ----- PROGR. 0.

## SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
5-10		0.0	-1101.7	115.7	-143.4	2.2	0.0
5-15		0.0	-1076.8	268.0	-142.2	1.8	0.0
5-14		0.0	-1093.5	239.7	-141.7	1.8	0.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
5-10	si	1	Sx		-26.8	0.0	1.3	26.9
5-15	si	7	Tz		-7.5	3.2	0.0	9.3
5-15	si	9	Ty		-26.3	0.0	3.1	26.8
5-14	si	9	Si		-26.5	0.0	2.8	27.0

----- PROGR. 56.

## SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
5-10		0.0	-1022.9	115.7	-135.1	2.2	0.0
5-15		0.0	-976.2	268.0	-133.8	1.8	0.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
5-10	si	4	Sx		-25.0	0.0	1.3	25.1
5-15	si	7	Tz		-7.0	3.2	0.0	8.9
5-15	si	9	Ty		-24.1	0.0	3.1	24.7
5-10	si	11	Si		-25.0	0.0	-1.4	25.1

----- PROGR. 112.

## SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
5-10		0.0	-970.0	115.7	-126.7	2.2	0.0
5-15		0.0	-901.2	268.0	-125.5	1.8	0.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
5-10	si	4	Sx		-23.6	0.0	1.3	23.7
5-15	si	7	Tz		-6.6	3.2	0.0	8.6
5-15	si	9	Ty		-22.3	0.0	3.1	23.0
5-10	si	11	Si		-23.6	0.0	-1.4	23.7

----- PROGR. 168.

## SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
5-10		0.0	-944.3	115.7	-118.4	2.2	0.0
5-15		0.0	-853.4	268.0	-117.1	1.8	0.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
5-10	si	4	Sx		-22.7	0.0	1.3	22.8
5-15	si	7	Tz		-6.2	3.2	0.0	8.3
5-15	si	9	Ty		-21.1	0.0	3.1	21.7
5-10	si	11	Si		-22.7	0.0	-1.4	22.8

----- PROGR. 224.

## SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
5- 7		0.0	1073.4	-36.8	-95.9	-3.9	0.0
5-15		0.0	-831.7	268.0	-108.8	1.8	0.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
5- 7	si	2	Sx		-23.8	0.0	0.4	23.8
5-15	si	7	Tz		-5.7	3.2	0.0	7.9
5-15	si	9	Ty		-20.2	0.0	3.1	20.9
5- 7	si	10	Si		-23.8	0.0	0.7	23.8

----- PROGR. 280.

## SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
5- 7		0.0	1192.7	-36.8	-87.5	-3.9	0.0
5-15		0.0	-833.4	268.0	-100.4	1.8	0.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
5- 7	si	2	Sx		-25.4	0.0	0.4	25.4
5-15	si	7	Tz		-5.3	3.2	0.0	7.6
5-15	si	9	Ty		-19.8	0.0	3.1	20.5
5- 7	si	10	Si		-25.4	0.0	0.7	25.4

----- PROGR. 336.

## SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
5- 7		0.0	1331.5	-36.8	-79.1	-3.9	0.0
5-15		0.0	-854.4	268.0	-92.1	1.8	0.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
5- 7	si	2	Sx		-27.4	0.0	0.4	27.4
5-15	si	7	Tz		-4.8	3.2	0.0	7.3
5-15	si	9	Ty		-19.8	0.0	3.1	20.5



5- 2	si	12	Si	-23.2	0.0	-1.1	23.3		
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SOLLECITAZIONI :  
----- PROGR. 336.

Caso	MZ	MY	MT	N	TZ	TY
5- 2	0.0	1140.0	78.1	-84.6	-3.2	0.0
1- 1	0.0	305.0	308.9	-137.7	-1.8	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5- 2	si	3	Sx	-24.3	0.0	0.9	24.4
1- 1	si	7	Tz	-7.2	-3.6	0.0	9.6
1- 1	si	10	Ty	-12.6	0.0	3.6	14.0
5- 2	si	12	Si	-24.3	0.0	-1.1	24.4

----- PROGR. 392.

SOLLECITAZIONI :  
----- PROGR. 392.

Caso	MZ	MY	MT	N	TZ	TY
5- 2	0.0	1248.3	78.1	-76.3	-3.2	0.0
1- 1	0.0	405.8	308.9	-126.8	-1.8	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5- 2	si	3	Sx	-25.8	0.0	0.9	25.8
1- 1	si	7	Tz	-6.7	-3.6	0.0	9.2
1- 1	si	10	Ty	-13.8	0.0	3.6	15.1
5- 2	si	12	Si	-25.8	0.0	-1.1	25.9

----- PROGR. 448.

SOLLECITAZIONI :  
----- PROGR. 448.

Caso	MZ	MY	MT	N	TZ	TY
5- 2	0.0	1370.3	78.1	-67.9	-3.2	0.0
1- 1	0.0	506.6	308.9	-115.9	-1.8	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5- 2	si	3	Sx	-27.5	0.0	0.9	27.5
1- 1	si	7	Tz	-6.1	-3.6	0.0	8.8
1- 1	si	10	Ty	-14.9	0.0	3.6	16.2
5- 2	si	12	Si	-27.5	0.0	-1.1	27.5

-----

VERIFICA STABILITA` :

L0 = 448.  
Z Lc = 448. | Ro = 3.88 | lm = 115.4 | Ncr = 29594.7 | alfa(a) = 0.2100 | ki = 0.4545  
Y Lc = 448. | Ro = 3.88 | lm = 115.4 | Ncr = 29594.7 | alfa(a) = 0.2100 | ki = 0.4545  
Caso 5- 2 - Nodo 3 - Asse Z  
Ned = -134.7 | Mzeq = 0.0 | Myeq = 1349.4 | Ss = -39.3 ( 0.015)

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 1052- 1054 ) 768

----- PROGR. 0.

SOLLECITAZIONI :  
----- PROGR. 0.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-2429.4	-89.6	-299.5	-5.7	0.0
5- 2	0.0	298.9	-287.5	-193.6	23.6	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-58.1	0.0	1.0	58.2
5- 2	si	7	Tz	-10.2	6.0	0.0	14.5
5- 2	si	9	Ty	-5.0	0.0	4.9	9.9
1- 1	si	9	Si	-58.1	0.0	-1.4	58.2

----- PROGR. 39.

SOLLECITAZIONI :  
----- PROGR. 39.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-2206.8	-89.6	-291.8	-5.7	0.0
5- 2	0.0	-1692.9	-287.5	-187.7	23.6	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-53.9	0.0	1.0	53.9
5- 2	si	7	Tz	-9.9	6.0	0.0	14.3
5- 2	si	9	Ty	-39.4	0.0	4.9	40.3
1- 1	si	9	Si	-53.9	0.0	-1.4	53.9

----- PROGR. 79.

SOLLECITAZIONI :  
----- PROGR. 79.

Caso	MZ	MY	MT	N	TZ	TY
5- 2	0.0	-2503.5	-287.5	-181.8	23.6	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5- 2	si	1	Sx	-53.2	0.0	3.2	53.5
5- 2	si	7	Tz	-9.6	6.0	0.0	14.1
5- 2	si	9	TySi	-53.2	0.0	4.9	53.9

----- PROGR. 118.

SOLLECITAZIONI :  
----- PROGR. 118.

Caso	MZ	MY	MT	N	TZ	TY
5- 2	0.0	-3386.1	-287.5	-175.9	23.6	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5- 2	si	1	Sx	-68.3	0.0	3.2	68.6
5- 2	si	7	Tz	-9.3	6.0	0.0	13.9
5- 2	si	9	TySi	-68.3	0.0	4.9	68.9

----- PROGR. 158.

SOLLECITAZIONI :  
----- PROGR. 158.

Caso	MZ	MY	MT	N	TZ	TY
5- 2	0.0	-4291.1	-287.5	-170.1	23.6	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5- 2	si	1	Sx	-83.8	0.0	3.2	84.0
5- 2	si	7	Tz	-9.0	6.0	0.0	13.7
5- 2	si	9	TySi	-83.8	0.0	4.9	84.3

----- PROGR. 197.

SOLLECITAZIONI :  
----- PROGR. 197.

Caso	MZ	MY	MT	N	TZ	TY
5- 2	0.0	-5205.7	-287.5	-164.2	23.6	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5- 2	si	1	Sx				

5- 2	si	1	Sx	-99.5	0.0	3.2	99.6
5- 2	si	7	Tz	-8.6	6.0	0.0	13.5
5- 2	si	9	TySi	-99.5	0.0	4.9	99.8

----- PROGR. 236.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5- 2	0.0	-6125.4	-287.5	-158.3	23.6	0.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5- 2	si	1	Sx	-115.2	0.0	3.2	115.3
5- 2	si	7	Tz	-8.3	6.0	0.0	13.3
5- 2	si	9	TySi	-115.2	0.0	4.9	115.5

----- PROGR. 276.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5- 2	0.0	-7047.9	-287.5	-152.4	23.6	0.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5- 2	si	1	Sx	-131.0	0.0	3.2	131.1
5- 2	si	7	Tz	-8.0	6.0	0.0	13.1
5- 2	si	9	TySi	-131.0	0.0	4.9	131.3

----- PROGR. 315.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5- 2	0.0	-7972.2	-287.5	-146.6	23.6	0.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5- 2	si	1	Sx	-146.8	0.0	3.2	146.9
5- 2	si	7	Tz	-7.7	6.0	0.0	12.9
5- 2	si	9	TySi	-146.8	0.0	4.9	147.1

## VERIFICA STABILITA` :

L0 = 315.  
 Z Lc = 315. | Ro = 3.88 | lm = 81.1 | Ncr = 59861.7 | alfa(a) = 0.2100 | ki = 0.7110  
 Y Lc = 315. | Ro = 3.88 | lm = 81.1 | Ncr = 59861.7 | alfa(a) = 0.2100 | ki = 0.7110  
 Caso 5- 2 - Nodo 1 - Asse Z  
 Ned = -193.6 | Mzeq = 0.0 | Myeq = -5979.2 | Ss = -119.0 ( 0.045)

CASSONE\_S001 ( 1) stato limite ultimo - ASTA ( 1054- 1051) 769  
 ----- PROGR. 0.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5-13	0.0	7022.9	-1329.0	-278.1	91.3	0.0
5-15	0.0	6850.4	-1549.1	-278.7	84.4	0.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-13	si	2	Sx	-137.2	0.0	14.7	139.5
5-15	si	7	Tz	-14.7	27.1	0.0	49.3
5-15	si	9	Ty	104.8	0.0	23.5	112.4
5-13	si	10	Si	-137.2	0.0	-21.5	142.1

----- PROGR. 7.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5-13	0.0	6393.2	-1329.0	-277.0	91.3	0.0
5-15	0.0	6247.8	-1549.1	-277.7	84.4	0.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-13	si	2	Sx	-126.1	0.0	14.7	128.7
5-15	si	7	Tz	-14.6	27.1	0.0	49.2
5-15	si	9	Ty	94.4	0.0	23.5	102.8
5-13	si	10	Si	-126.1	0.0	-21.5	131.5

----- PROGR. 14.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5-13	0.0	5772.2	-1329.0	-276.0	91.3	0.0
5-15	0.0	5640.4	-1549.1	-276.6	84.4	0.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-13	si	2	Sx	-115.2	0.0	14.7	118.0
5-15	si	7	Tz	-14.6	27.1	0.0	49.2
5-15	si	9	Ty	83.9	0.0	23.5	93.2
5-13	si	10	Si	-115.2	0.0	-21.5	121.1

----- PROGR. 21.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5-15	0.0	5162.4	-1549.1	-275.5	84.4	0.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-15	si	2	Sx	-104.6	0.0	17.2	108.7
5-15	si	7	Tz	-14.5	27.1	0.0	49.2
5-15	si	9	Ty	75.6	0.0	23.5	85.8
5-15	si	10	Si	-104.6	0.0	-23.5	112.2

----- PROGR. 28.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5-15	0.0	4564.0	-1549.1	-274.5	84.4	0.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-15	si	2	Sx	-94.1	0.0	17.2	98.7
5-15	si	7	Tz	-14.4	27.1	0.0	49.2
5-15	si	9	Ty	65.2	0.0	23.5	76.8
5-15	si	10	Si	-94.1	0.0	-23.5	102.5

----- PROGR. 36.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5- 2	0.0	-4144.8	1086.7	-268.9	-48.8	0.0
5-15	0.0	3975.6	-1549.1	-273.4	84.4	0.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5- 2	si	1	Sx	-86.5	0.0	12.0	88.9
5-15	si	7	Tz	-14.4	27.1	0.0	49.2
5-15	si	9	Ty	55.0	0.0	23.5	68.4
5-15	si	10	Si	-83.8	0.0	-23.5	93.1

SOLLECITAZIONI :  
----- PROGR. 43.

Caso	MZ	MY	MT	N	TZ	TY
5- 2	0.0	-3819.9	1086.7	-267.9	-48.8	0.0
5-15	0.0	3397.0	-1549.1	-272.4	84.4	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5- 2	si	1	Sx	-80.7	0.0	12.0	83.4
5-15	si	7	Tz	-14.3	27.1	0.0	49.2
5-15	si	9	Ty	44.9	0.0	23.5	60.6
5- 2	si	9	Si	-80.7	0.0	-15.7	85.2

SOLLECITAZIONI :  
----- PROGR. 50.

Caso	MZ	MY	MT	N	TZ	TY
5- 2	0.0	-3506.4	1086.7	-266.8	-48.8	0.0
5-15	0.0	2829.6	-1549.1	-271.3	84.4	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5- 2	si	1	Sx	-75.2	0.0	12.0	78.1
5-15	si	7	Tz	-14.3	27.1	0.0	49.1
5-15	si	9	Ty	35.1	0.0	23.5	53.7
5- 2	si	9	Si	-75.2	0.0	-15.7	80.0

SOLLECITAZIONI :  
----- PROGR. 57.

Caso	MZ	MY	MT	N	TZ	TY
5- 2	0.0	-3208.9	1086.7	-265.7	-48.8	0.0
5-15	0.0	2278.2	-1549.1	-270.2	84.4	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5- 2	si	1	Sx	-70.0	0.0	12.0	73.0
5-15	si	7	Tz	-14.2	27.1	0.0	49.1
5-15	si	9	Ty	25.5	0.0	23.5	48.0
5- 2	si	9	Si	-70.0	0.0	-15.7	75.1

VERIFICA STABILITA` :

L0 = 57. |  
Z |Lc = 57. |Ro = 3.88 |lm = 14.7 |Ncr= 1828185.5 |alfa(a) = 0.2100 |ki=1.0000 |  
Y |Lc = 57. |Ro = 3.88 |lm = 14.7 |Ncr= 1828185.5 |alfa(a) = 0.2100 |ki=1.0000 |  
Caso 5-15 - Nodo 2 - Asse Z  
Ned = -278.7 |Mzeq = 0.0 |Myeq = 5914.6 |Ss = -117.9 ( 0.045)

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 1055- 1054 ) 771  
----- PROGR. 0.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	1663.4	-9081.9	1536.3	-38.7	-129.2	67.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-189.5	0.0	17.0	191.8
1- 1	si	13	Tz	-173.7	-32.8	0.0	182.7
1- 1	si	9	TySi	-186.6	0.0	-32.3	194.8

SOLLECITAZIONI :  
----- PROGR. 15.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	2656.8	-7143.6	1536.3	-38.7	-129.2	64.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-173.0	0.0	17.0	175.5
1- 1	si	13	Tz	-160.6	-32.6	0.0	170.2
1- 1	si	9	TySi	-168.4	0.0	-32.0	177.3

SOLLECITAZIONI :  
----- PROGR. 30.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	3606.5	-5205.4	1536.3	-38.7	-129.2	61.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-155.8	0.0	17.0	158.5
1- 1	si	13	Tz	-146.7	-32.3	0.0	157.0
1- 1	si	9	TySi	-149.5	0.0	-31.8	159.3

SOLLECITAZIONI :  
----- PROGR. 45.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	4512.5	-3267.2	1536.3	-38.7	-129.2	59.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-137.8	0.0	17.0	140.9
1- 1	si	7	Tz	-80.8	-32.3	0.0	98.2
1- 1	si	9	Ty	-129.9	0.0	-31.5	140.9
1- 1	si	13	Si	-132.1	-32.1	0.0	143.3

SOLLECITAZIONI :  
----- PROGR. 60.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	5375.0	-1329.0	1536.3	-38.7	-129.2	56.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-119.0	0.0	17.0	122.6
1- 1	si	7	Tz	-95.8	-32.3	0.0	110.9
1- 1	si	9	Ty	-109.6	0.0	-31.3	122.3
1- 1	si	13	Si	-116.7	-31.9	0.0	129.1

SOLLECITAZIONI :  
----- PROGR. 75.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	6193.8	609.2	1536.3	-38.7	-129.2	53.1



TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	-120.7	0.0	17.0	124.3	
1-1	si	7	Tz	-110.1	-32.3	0.0	123.5	
1-1	si	9	Ty	-88.7	0.0	-31.1	103.7	
1-1	si	15	Si	-119.7	-23.8	0.0	126.6	
-----							PROGR.	90.
SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	6968.9	2547.4	1536.3	-38.7	-129.2		50.2	
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	2	Sx Si	-168.1	0.0	17.0	170.6	
1-1	si	7	Tz	-123.6	-32.3	0.0	135.7	
1-1	si	9	Ty	-67.0	0.0	-30.8	85.7	
-----							PROGR.	105.
SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	7700.5	4485.6	1536.3	-38.7	-129.2		47.3	
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	2	Sx Si	-214.6	0.0	17.0	216.7	
1-1	si	7	Tz	-136.4	-32.3	0.0	147.4	
1-1	si	9	Ty	-44.7	0.0	-30.6	69.3	
-----							PROGR.	120.
SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	8388.4	6423.9	1536.3	-38.7	-129.2		44.4	
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	2	Sx Si	-260.5	0.0	17.0	262.1	
1-1	si	7	Tz	-148.4	-32.3	0.0	158.6	
1-1	si	9	Ty	-21.7	0.0	-30.3	56.8	
-----							PROGR.	
VERIFICA STABILITA` :								
L0 =	120.							
Z	Lc = 120.	Ro = 3.88	lm = 30.9	Ncr = 412484.4	alfa(a) = 0.2100	ki = 0.9640		
Y	Lc = 120.	Ro = 3.88	lm = 30.9	Ncr = 412484.4	alfa(a) = 0.2100	ki = 0.9640		
Caso 1-1 - Nodo 1 - Asse Z								
Ned =	-38.7	Mzeq = 6836.2	Myeq = -6811.4	Ss = -240.2	( 0.092)			
-----							PROGR.	0.
CASSONE_S001 ( 1) stato limite ultimo - ASTA ( 1054- 825) 772								
SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	8388.4	5410.6	-1517.7	-38.7	-219.6		-143.0	
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	-242.8	0.0	16.8	244.5	
1-1	si	14	Tz	229.3	-45.7	0.0	242.5	
1-1	si	10	Ty	-228.2	0.0	45.0	241.1	
1-1	si	15	Si	-233.3	-45.7	0.0	246.4	
-----							PROGR.	7.
SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	7373.7	6961.8	-1517.7	-38.7	-219.6		-144.4	
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	2	Sx Si	-252.1	0.0	16.8	253.8	
1-1	si	14	Tz	235.9	-45.8	0.0	248.9	
1-1	si	10	Ty	-239.3	0.0	45.2	251.7	
-----							PROGR.	14.
SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	6349.4	8513.0	-1517.7	-38.7	-219.6		-145.7	
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	2	Sx Si	-261.3	0.0	16.8	263.0	
1-1	si	14	Tz	242.4	-45.9	0.0	255.1	
1-1	si	10	Ty	-250.3	0.0	45.3	262.3	
-----							PROGR.	21.
SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	5315.3	10064.2	-1517.7	-38.7	-219.6		-147.1	
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	-270.4	0.0	16.8	271.9	
1-1	si	14	Tz	248.7	-46.0	0.0	261.2	
1-1	si	10	TySi	-261.1	0.0	45.4	272.7	
-----							PROGR.	28.
SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	4271.6	11615.4	-1517.7	-38.7	-219.6		-148.5	
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	-279.2	0.0	16.8	280.7	
1-1	si	14	Tz	254.9	-46.1	0.0	267.1	
1-1	si	10	TySi	-271.8	0.0	45.5	283.0	
-----							PROGR.	35.
SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	3218.2	13166.6	-1517.7	-38.7	-219.6		-149.8	
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	-287.9	0.0	16.8	289.4	
1-1	si	14	Tz	260.9	-46.2	0.0	272.8	
1-1	si	10	TySi	-282.3	0.0	45.6	293.1	
-----							PROGR.	42.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	2155.1	14717.7	-1517.7	-38.7	-219.6	-151.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-296.4	0.0	16.8	297.8
1-1	si	14	Tz	266.7	-46.3	0.0	278.5
1-1	si	10	TySi	-292.7	0.0	45.7	303.2

-----  
PROGR. 49.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	1082.4	16268.9	-1517.7	-38.7	-219.6	-152.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-304.8	0.0	16.8	306.2
1-1	si	14	Tz	272.3	-46.4	0.0	283.9
1-1	si	10	TySi	-302.9	0.0	45.8	313.1

-----  
PROGR. 56.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	17820.1	-1517.7	-38.7	-219.6	-153.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-312.9	0.0	16.8	314.3
1-1	si	14	Tz	277.8	-46.5	0.0	289.2
1-1	si	10	TySi	-312.9	0.0	46.0	322.9

VERIFICA STABILITA` :

L0 = 56.  
 Z | Lc = 56. | Ro = 3.88 | lm = 14.5 | Ncr = 1860685.9 | alfa(a) = 0.2100 | ki = 1.0000  
 Y | Lc = 56. | Ro = 3.88 | lm = 14.5 | Ncr = 1860685.9 | alfa(a) = 0.2100 | ki = 1.0000  
 Caso 1-1 - Nodo 2 - Asse Z  
 Ned = -38.7 | Mzeq = 6291.3 | Myeq = 15100.0 | Ss = -375.3 ( 0.143)

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 1053- 1055) 773  
-----  
PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-2254.1	-423.3	-162.9	5.1	0.0
5-10	0.0	-1228.7	-407.0	-112.8	-25.1	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-47.9	0.0	4.7	48.6
5-10	si	7	Tz	-5.9	-7.5	0.0	14.2
5-10	si	9	Ty	-27.4	0.0	-6.4	29.5
1-1	si	9	Si	-47.9	0.0	5.1	48.7

-----  
PROGR. 39.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-2456.4	-423.3	-155.3	5.1	0.0
5-10	0.0	749.0	-407.0	-107.0	-25.1	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-51.0	0.0	4.7	51.7
5-10	si	7	Tz	-5.6	-7.5	0.0	14.1
5-10	si	9	Ty	7.4	0.0	-6.4	13.3
1-1	si	9	Si	-51.0	0.0	5.1	51.8

-----  
PROGR. 79.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-2658.7	-423.3	-147.6	5.1	0.0
5-10	0.0	1622.3	-407.0	-101.1	-25.1	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-54.2	0.0	4.7	54.8
5-10	si	7	Tz	-5.3	-7.5	0.0	14.0
5-10	si	9	Ty	23.0	0.0	-6.4	25.5
1-1	si	9	Si	-54.2	0.0	5.1	54.9

-----  
PROGR. 118.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5-7	0.0	-3654.6	233.0	-85.8	26.6	0.0
5-10	0.0	2566.3	-407.0	-95.2	-25.1	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-7	si	1	Sx	-68.3	0.0	2.6	68.4
5-10	si	7	Tz	-5.0	-7.5	0.0	13.9
5-10	si	9	Ty	39.8	0.0	-6.4	41.3
5-7	si	9	Si	-68.3	0.0	4.6	68.7

-----  
PROGR. 158.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5-7	0.0	-4678.9	233.0	-79.9	26.6	0.0
5-10	0.0	3531.8	-407.0	-89.3	-25.1	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-7	si	1	Sx	-85.8	0.0	2.6	86.0
5-10	si	7	Tz	-4.7	-7.5	0.0	13.8
5-10	si	9	Ty	56.9	0.0	-6.4	58.0
5-7	si	9	Si	-85.8	0.0	4.6	86.2

-----  
PROGR. 197.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5-7	0.0	-5712.3	233.0	-74.0	26.6	0.0
5-10	0.0	4506.3	-407.0	-83.5	-25.1	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-7	si	1	Sx	-103.6	0.0	2.6	103.7

5-10	si	7	Tz	-4.4	-7.5	0.0	13.7		
5-10	si	9	Ty		74.2	0.0	-6.4	75.0	
5-7	si	9	Si	-103.6	0.0	4.6	103.9		
-----									
SOLLECITAZIONI : 236.									
Caso			MZ	MY	MT	N	TZ	TY	
5-7			0.0	-6750.4	233.0	-68.2	26.6	0.0	
5-10			0.0	5485.5	-407.0	-77.6	-25.1	0.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
5-7	si	1	Sx	-121.4	0.0	2.6	121.4		
5-10	si	7	Tz	-4.1	-7.5	0.0	13.6		
5-10	si	9	Ty	91.6	0.0	-6.4	92.3		
5-7	si	9	Si	-121.4	0.0	4.6	121.6		
-----									
SOLLECITAZIONI : 276.									
Caso			MZ	MY	MT	N	TZ	TY	
5-7			0.0	-7791.2	233.0	-62.3	26.6	0.0	
5-10			0.0	6467.4	-407.0	-71.7	-25.1	0.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
5-7	si	1	Sx	-139.2	0.0	2.6	139.3		
5-10	si	7	Tz	-3.8	-7.5	0.0	13.5		
5-10	si	9	Ty	109.1	0.0	-6.4	109.6		
5-7	si	9	Si	-139.2	0.0	4.6	139.4		
-----									
SOLLECITAZIONI : 315.									
Caso			MZ	MY	MT	N	TZ	TY	
5-7			0.0	-8833.6	233.0	-56.4	26.6	0.0	
5-10			0.0	7451.0	-407.0	-65.9	-25.1	0.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
5-7	si	1	Sx	-157.1	0.0	2.6	157.2		
5-10	si	7	Tz	-3.5	-7.5	0.0	13.4		
5-10	si	9	Ty	126.5	0.0	-6.4	127.0		
5-7	si	9	Si	-157.1	0.0	4.6	157.3		
-----									
VERIFICA STABILITA` :									
L0 =	315.								
Z	Lc =	315.	Ro =	3.88	lm =	81.1	Ncr =	59861.7	alfa(a) = 0.2100   ki = 0.7110
Y	Lc =	315.	Ro =	3.88	lm =	81.1	Ncr =	59861.7	alfa(a) = 0.2100   ki = 0.7110
Caso 5-7 - Nodo 1 - Asse Z									
Ned =	-103.4	Mzeq =	0.0		Myeq =	-6625.2		Ss =	-123.4 ( 0.047)
-----									
CASSONE_S001 ( 1 )	stato limite ultimo - ASTA ( 1055- 1049)								774
									0.
-----									
SOLLECITAZIONI :									
Caso			MZ	MY	MT	N	TZ	TY	
5-5			0.0	-7543.7	-961.3	-38.6	-123.6	0.0	
5-7			0.0	-7343.1	-1279.1	-38.9	-111.9	0.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
5-5	si	1	Sx	-133.6	0.0	10.7	134.9		
5-7	si	7	Tz	-2.0	-27.4	0.0	47.5		
5-7	si	9	Ty	-130.2	0.0	-22.5	135.9		
5-5	si	9	Si	-133.6	0.0	-19.9	138.0		
-----									
SOLLECITAZIONI : 7.									
Caso			MZ	MY	MT	N	TZ	TY	
5-5			0.0	-6678.4	-961.3	-37.5	-123.6	0.0	
5-7			0.0	-6533.3	-1279.1	-37.9	-111.9	0.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
5-5	si	1	Sx	-118.5	0.0	10.7	119.9		
5-7	si	7	Tz	-2.0	-27.4	0.0	47.5		
5-7	si	9	Ty	-116.0	0.0	-22.5	122.4		
5-5	si	9	Si	-118.5	0.0	-19.9	123.4		
-----									
SOLLECITAZIONI : 14.									
Caso			MZ	MY	MT	N	TZ	TY	
5-5			0.0	-5831.3	-961.3	-36.4	-123.6	0.0	
5-7			0.0	-5705.9	-1279.1	-36.8	-111.9	0.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
5-5	si	1	Sx	-103.7	0.0	10.7	105.3		
5-7	si	7	Tz	-1.9	-27.4	0.0	47.5		
5-7	si	9	Ty	-101.5	0.0	-22.5	108.7		
5-5	si	9	Si	-103.7	0.0	-19.9	109.2		
-----									
SOLLECITAZIONI : 21.									
Caso			MZ	MY	MT	N	TZ	TY	
5-10			0.0	5138.2	1143.5	-42.4	52.0	0.0	
5-7			0.0	-5009.7	-1279.1	-35.7	-111.9	0.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
5-10	si	2	Sx	-91.9	0.0	12.7	94.5		
5-7	si	7	Tz	-1.9	-27.4	0.0	47.5		
5-7	si	9	TySi	-89.3	0.0	-22.5	97.4		
-----									
SOLLECITAZIONI : 28.									
Caso			MZ	MY	MT	N	TZ	TY	
5-10			0.0	4758.8	1143.5	-41.3	52.0	0.0	
5-7			0.0	-4203.6	-1279.1	-34.7	-111.9	0.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
5-10	si	2	Sx	-85.2	0.0	12.7	88.0		
5-7	si	7	Tz	-1.8	-27.4	0.0	47.5		
5-7	si	9	Ty	-75.2	0.0	-22.5	84.7		

5-10	si	10	Si	-85.2	0.0	-16.5	89.9		36.	
SOLLECITAZIONI :										
Caso		MZ		MY		MT		N	TZ	TY
5-10	si	0.0		4386.0		1143.5		-40.3	52.0	0.0
5-7	si	0.0		-3404.2		-1279.1		-33.6	-111.9	0.0
TENSIONI (Sz=0.00) :										
Caso	Ve	No	massimi	Sx		Tz		Ty	Si	
5-10	si	2	Sx	-78.6		0.0		12.7	81.6	
5-7	si	7	Tz	-1.8		-27.4		0.0	47.5	
5-7	si	9	Ty	-61.2		0.0		-22.5	72.5	
5-10	si	10	Si	-78.6		0.0		-16.5	83.7	
PROGR. 43.										
SOLLECITAZIONI :										
Caso		MZ		MY		MT		N	TZ	TY
5-10	si	0.0		4016.9		1143.5		-39.2	52.0	0.0
5-7	si	0.0		-2608.5		-1279.1		-32.5	-111.9	0.0
TENSIONI (Sz=0.00) :										
Caso	Ve	No	massimi	Sx		Tz		Ty	Si	
5-10	si	2	Sx	-72.1		0.0		12.7	75.4	
5-7	si	7	Tz	-1.7		-27.4		0.0	47.5	
5-7	si	9	Ty	-47.2		0.0		-22.5	61.2	
5-10	si	10	Si	-72.1		0.0		-16.5	77.6	
PROGR. 50.										
SOLLECITAZIONI :										
Caso		MZ		MY		MT		N	TZ	TY
1-1	si	0.0		4440.4		-395.1		-61.6	-153.5	0.0
5-7	si	0.0		-1816.1		-1279.1		-31.5	-111.9	0.0
TENSIONI (Sz=0.00) :										
Caso	Ve	No	massimi	Sx		Tz		Ty	Si	
1-1	si	2	Sx	-80.7		0.0		4.4	81.1	
5-7	si	7	Tz	-1.7		-27.4		0.0	47.5	
5-7	si	9	Ty	-33.3		0.0		-22.5	51.3	
1-1	si	10	Si	-80.7		0.0		15.8	85.2	
PROGR. 57.										
SOLLECITAZIONI :										
Caso		MZ		MY		MT		N	TZ	TY
1-1	si	0.0		5534.4		-395.1		-60.3	-153.5	0.0
5-7	si	0.0		-1028.4		-1279.1		-30.4	-111.9	0.0
TENSIONI (Sz=0.00) :										
Caso	Ve	No	massimi	Sx		Tz		Ty	Si	
1-1	si	2	Sx	-99.7		0.0		4.4	100.0	
5-7	si	7	Tz	-1.6		-27.4		0.0	47.5	
5-7	si	9	Ty	-19.5		0.0		-22.5	43.6	
1-1	si	10	Si	-99.7		0.0		15.8	103.4	
PROGR. 57.										
VERIFICA STABILITA` :										
L0	=	57.								
Z	Lc	=	57.	Ro = 3.88	lm = 14.7	Ncr = 1828185.5	alfa(a) = 0.2100	ki = 1.0000		
Y	Lc	=	57.	Ro = 3.88	lm = 14.7	Ncr = 1828185.5	alfa(a) = 0.2100	ki = 1.0000		
Caso 5-10 - Nodo 2 - Asse Z										
Ned	=	-45.6	Mzeq =	0.0	Myeq =	6163.3	Ss =	-109.9	(0.042)	
CASSONE_S001 ( 1 ) stato limite ultimo - ASTA ( 1058- 1056) 777										
PROGR. 0.										
SOLLECITAZIONI :										
Caso		MZ		MY		MT		N	TZ	TY
1-1	si	0.0		0.0		0.0		1434.8	-1104.2	0.0
TENSIONI (Sz=0.00) :										
Caso	Ve	No	massimi	Sx		Tz		Ty	Si	
1-1	si	2	Sx	75.5		0.0		0.0	75.5	
1-1	si	7	Tz	75.5		-130.5		0.0	238.4	
1-1	si	9	Ty	75.5		0.0		-82.4	161.4	
PROGR. 1.										
SOLLECITAZIONI :										
Caso		MZ		MY		MT		N	TZ	TY
1-1	si	0.0		1104.2		0.0		1434.8	-1104.2	0.0
TENSIONI (Sz=0.00) :										
Caso	Ve	No	massimi	Sx		Tz		Ty	Si	
1-1	si	1	Sx	94.8		0.0		0.0	94.8	
1-1	si	7	Tz	75.5		-130.5		0.0	238.4	
1-1	si	9	Ty	94.8		0.0		-82.4	171.3	
PROGR. 2.										
SOLLECITAZIONI :										
Caso		MZ		MY		MT		N	TZ	TY
1-1	si	0.0		2208.5		0.0		1434.8	-1104.2	0.0
TENSIONI (Sz=0.00) :										
Caso	Ve	No	massimi	Sx		Tz		Ty	Si	
1-1	si	1	Sx	114.0		0.0		0.0	114.0	
1-1	si	7	Tz	75.5		-130.5		0.0	238.4	
1-1	si	9	Ty	114.0		0.0		-82.4	182.6	
PROGR. 3.										
SOLLECITAZIONI :										
Caso		MZ		MY		MT		N	TZ	TY
1-1	si	0.0		3312.7		0.0		1434.8	-1104.2	0.0
TENSIONI (Sz=0.00) :										
Caso	Ve	No	massimi	Sx		Tz		Ty	Si	
1-1	si	1	Sx	133.3		0.0		0.0	133.3	
1-1	si	7	Tz	75.5		-130.5		0.0	238.4	
1-1	si	9	Ty	133.3		0.0		-82.4	195.2	
PROGR. 4.										
SOLLECITAZIONI :										
Caso		MZ		MY		MT		N	TZ	TY
1-1	si	0.0		4416.9		0.0		1434.8	-1104.2	0.0
TENSIONI (Sz=0.00) :										
Caso	Ve	No	massimi	Sx		Tz		Ty	Si	
1-1	si	1	Sx	152.6		0.0		0.0	152.6	
1-1	si	7	Tz	75.5		-130.5		0.0	238.4	

| 1- 1|si| 9| Ty | 152.6| 0.0| -82.4| 208.9|  
 -----  
 5.

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	5521.1	0.0	1434.8	-1104.2	0.0

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1 si  1	Sx			171.8	0.0	0.0	171.8
1- 1 si  7	Tz	Si		75.5	-130.5	0.0	238.4
1- 1 si  9	Ty			171.8	0.0	-82.4	223.3

 -----  
 6.

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	6625.4	0.0	1434.8	-1104.2	0.0

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1 si  1	Sx			191.1	0.0	0.0	191.1
1- 1 si  7	Tz	Si		75.5	-130.5	0.0	238.4
1- 1 si  9	Ty			191.1	0.0	-82.4	238.5
1- 1 si  13	Si			179.5	-91.5	0.0	239.5

 -----  
 7.

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	7729.6	0.0	1434.8	-1104.2	0.0

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1 si  1	Sx			210.4	0.0	0.0	210.4
1- 1 si  7	Tz	Si		75.5	-130.5	0.0	238.4
1- 1 si  9	Ty	Si		210.4	0.0	-82.4	254.2

 -----  
 8.

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	8833.8	0.0	1434.8	-1104.2	0.0

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1 si  1	Sx			229.6	0.0	0.0	229.6
1- 1 si  7	Tz	Si		75.5	-130.5	0.0	238.4
1- 1 si  9	Ty	Si		229.6	0.0	-82.4	270.3

 -----

VERIFICA STABILITA` :

L0 = 8. |  
 Z |Lc = 8. |Ro = 3.88 |lm = 2.1 |Ncr= 92808979.1 |alfa(a) = 0.2100 |ki=1.0000 |  
 Y |Lc = 8. |Ro = 3.88 |lm = 2.1 |Ncr= 92808979.1 |alfa(a) = 0.2100 |ki=1.0000 |  
 Caso 5-10 - Nodo 2 - Asse Z  
 Ned = -243.4 |Mzeq = 0.0 |Myeq = 1471.5 |Ss = -38.5 ( 0.015 )

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 1059- 1057) 778  
 -----  
 0.

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	0.0	0.0	699.4	-1051.6	0.0

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1 si  2	Sx			36.8	0.0	0.0	36.8
1- 1 si  7	Tz	Si		36.8	-124.3	0.0	218.4
1- 1 si  9	Ty			36.8	0.0	-78.4	140.8

 -----  
 1.

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	1051.6	0.0	699.4	-1051.6	0.0

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1 si  1	Sx			55.2	0.0	0.0	55.2
1- 1 si  7	Tz	Si		36.8	-124.3	0.0	218.4
1- 1 si  9	Ty			55.2	0.0	-78.4	146.6

 -----  
 2.

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	2103.2	0.0	699.4	-1051.6	0.0

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1 si  1	Sx			73.5	0.0	0.0	73.5
1- 1 si  7	Tz	Si		36.8	-124.3	0.0	218.4
1- 1 si  9	Ty			73.5	0.0	-78.4	154.5

 -----  
 3.

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	3154.8	0.0	699.4	-1051.6	0.0

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1 si  1	Sx			91.9	0.0	0.0	91.9
1- 1 si  7	Tz	Si		36.8	-124.3	0.0	218.4
1- 1 si  9	Ty			91.9	0.0	-78.4	164.0

 -----  
 4.

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	4206.4	0.0	699.4	-1051.6	0.0

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1 si  1	Sx			110.2	0.0	0.0	110.2
1- 1 si  7	Tz	Si		36.8	-124.3	0.0	218.4
1- 1 si  9	Ty			110.2	0.0	-78.4	174.9

 -----  
 5.

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	5258.0	0.0	699.4	-1051.6	0.0

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1 si  1	Sx						

 -----

## Posto di Controllo Centralizzato - Relazione di calcolo – Scala metallica e vano ascensore

1-1	si	1	Sx	128.5	0.0	0.0	128.5
1-1	si	7	Tz	36.8	-124.3	0.0	218.4
1-1	si	9	Ty	128.5	0.0	-78.4	187.0

----- PROGR. 6.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	6309.6	0.0	699.4	-1051.6	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	146.9	0.0	0.0	146.9
1-1	si	7	Tz	36.8	-124.3	0.0	218.4
1-1	si	9	Ty	146.9	0.0	-78.4	200.1

----- PROGR. 7.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	7361.2	0.0	699.4	-1051.6	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	165.2	0.0	0.0	165.2
1-1	si	7	Tz	36.8	-124.3	0.0	218.4
1-1	si	9	Ty	165.2	0.0	-78.4	213.9

----- PROGR. 8.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	8412.7	0.0	699.4	-1051.6	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	183.6	0.0	0.0	183.6
1-1	si	7	Tz	36.8	-124.3	0.0	218.4
1-1	si	9	TySi	183.6	0.0	-78.4	228.4

-----  
VERIFICA STABILITA` :

L0 = 8.  
 Z Lc = 8. | Ro = 3.88 | lm = 2.1 | Ncr = 92808979.1 | alfa(a) = 0.2100 | ki = 1.0000  
 Y Lc = 8. | Ro = 3.88 | lm = 2.1 | Ncr = 92808979.1 | alfa(a) = 0.2100 | ki = 1.0000  
 Caso 5-14 - Nodo 2 - Asse Z  
 Ned = -380.3 | Mzeq = 0.0 | Myeq = 1434.9 | Ss = -45.1 ( 0.017)

CASSONE\_S001 ( 1) stato limite ultimo - ASTA ( 1066- 1070) 782  
----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-45261.9	10840.3	485.3	4897.1	257.5	1045.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	1236.6	0.0	5.4	1236.6
1-1	si	14	Tz	-361.7	104.7	0.0	404.6
1-1	si	5	Ty	446.9	0.0	-128.9	499.6

----- PROGR. 7.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-38075.1	9070.1	485.3	4897.1	257.5	1045.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	1080.3	0.0	5.4	1080.3
1-1	si	14	Tz	-264.1	104.7	0.0	320.4
1-1	si	5	Ty	416.0	0.0	-128.9	472.1

----- PROGR. 14.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-30888.2	7300.0	485.3	4897.1	257.5	1045.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	924.0	0.0	5.4	924.1
1-1	si	14	Tz	-166.5	104.7	0.0	246.2
1-1	si	5	Ty	385.1	0.0	-128.9	445.2

----- PROGR. 21.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-23701.4	5529.8	485.3	4897.1	257.5	1045.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	767.7	0.0	5.4	767.8
1-1	si	14	Tz	-68.9	104.7	0.0	194.0
1-1	si	5	Ty	354.2	0.0	-128.9	418.7

----- PROGR. 28.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-16514.6	3759.7	485.3	4897.1	257.5	1045.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	611.5	0.0	5.4	611.5
1-1	si	14	Tz	28.6	104.7	0.0	183.6
1-1	si	5	Ty	323.3	0.0	-128.9	393.0
1-1	si	13	Si	604.9	-62.0	0.0	614.4

----- PROGR. 34.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-9327.8	1989.5	485.3	4897.1	257.5	1045.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	455.2	0.0	5.4	455.3
1-1	si	14	Tz	126.2	104.7	0.0	220.9
1-1	si	5	Ty	292.5	0.0	-128.9	368.0
1-1	si	13	Si	451.7	-62.0	0.0	464.3

----- PROGR. 41.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
------	----	----	----	---	----	----

1-1			-2141.0		219.3	485.3	4897.1	257.5	1045.4			
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx	Tz	Ty	Si					
1-1	si	3	Sx	298.9	0.0	5.4	299.1					
1-1	si	14	Tz	223.8	104.7	0.0	288.1					
1-1	si	5	Ty	261.6	0.0	-128.9	343.9					
1-1	si	10	Si	287.5	0.0	-111.2	346.1					
----- PROGR. 48.												
SOLLECITAZIONI :												
Caso			MZ	MY	MT	N	TZ	TY				
1-1			5045.8	-1550.8	485.3	4897.1	257.5	1045.4				
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx	Tz	Ty	Si					
1-1	si	3	Sx	372.8	0.0	5.4	372.9					
1-1	si	14	Tz	321.4	104.7	0.0	369.0					
1-1	si	5	Ty	230.7	0.0	-128.9	321.1					
1-1	si	16	Si	370.1	-62.0	0.0	385.4					
----- PROGR. 55.												
SOLLECITAZIONI :												
Caso			MZ	MY	MT	N	TZ	TY				
1-1			12232.6	-3321.0	485.3	4897.1	257.5	1045.4				
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx	Tz	Ty	Si					
1-1	si	3	Sx	529.1	0.0	5.4	529.2					
1-1	si	14	Tz	419.0	104.7	0.0	456.6					
1-1	si	5	Ty	199.8	0.0	-128.9	299.7					
1-1	si	16	Si	523.3	-62.0	0.0	534.2					
----- PROGR. 55.												
VERIFICA STABILITA` :												
L0 =	55.											
Z	Lc =	55.	Ro =	3.88	lm =	14.2	Ncr =	1963561.9	alfa(a) =	0.2100	ki =	1.0000
Y	Lc =	55.	Ro =	3.88	lm =	14.2	Ncr =	1963561.9	alfa(a) =	0.2100	ki =	1.0000
Caso 5-8 - Nodo 3 - Asse Z												
Ned = -37.3   Mzeq = -5348.9   Myeq = 3948.8   Ss = -164.2 ( 0.063)												
CASSONE_S001 ( 1 ) stato limite ultimo - ASTA ( 1068- 1071 ) 783												
----- PROGR. 0.												
SOLLECITAZIONI :												
Caso			MZ	MY	MT	N	TZ	TY				
1-1			-45464.6	1305.1	442.0	-7940.0	-18.1	1056.5				
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx	Tz	Ty	Si					
1-1	si	3	Sx	-1233.9	0.0	4.9	1233.9					
1-1	si	13	Tz	395.8	-85.2	0.0	422.4					
1-1	si	5	Ty	-395.1	0.0	-129.8	454.6					
1-1	si	16	Si	-1231.6	-85.2	0.0	1240.4					
----- PROGR. 7.												
SOLLECITAZIONI :												
Caso			MZ	MY	MT	N	TZ	TY				
1-1			-38201.1	1429.9	442.0	-7940.0	-18.1	1056.5				
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx	Tz	Ty	Si					
1-1	si	3	Sx	-1109.3	0.0	4.9	1109.4					
1-1	si	13	Tz	271.1	-85.2	0.0	308.6					
1-1	si	5	Ty	-392.9	0.0	-129.8	452.7					
1-1	si	16	Si	-1106.8	-85.2	0.0	1116.6					
----- PROGR. 14.												
SOLLECITAZIONI :												
Caso			MZ	MY	MT	N	TZ	TY				
1-1			-30937.7	1554.7	442.0	-7940.0	-18.1	1056.5				
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx	Tz	Ty	Si					
1-1	si	3	Sx	-984.8	0.0	4.9	984.8					
1-1	si	13	Tz	146.3	-85.2	0.0	207.8					
1-1	si	5	Ty	-390.8	0.0	-129.8	450.8					
1-1	si	16	Si	-982.1	-85.2	0.0	993.1					
----- PROGR. 21.												
SOLLECITAZIONI :												
Caso			MZ	MY	MT	N	TZ	TY				
1-1			-23674.3	1679.4	442.0	-7940.0	-18.1	1056.5				
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx	Tz	Ty	Si					
1-1	si	3	Sx	-860.2	0.0	4.9	860.3					
1-1	si	13	Tz	21.5	-85.2	0.0	149.1					
1-1	si	5	Ty	-388.6	0.0	-129.8	448.9					
1-1	si	16	Si	-857.3	-85.2	0.0	869.9					
----- PROGR. 28.												
SOLLECITAZIONI :												
Caso			MZ	MY	MT	N	TZ	TY				
1-1			-16410.8	1804.2	442.0	-7940.0	-18.1	1056.5				
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx	Tz	Ty	Si					
1-1	si	3	Sx	-735.7	0.0	4.9	735.7					
1-1	si	13	Tz	-103.2	-85.2	0.0	180.1					
1-1	si	5	Ty	-386.4	0.0	-129.8	447.0					
1-1	si	16	Si	-732.5	-85.2	0.0	747.3					
----- PROGR. 34.												
SOLLECITAZIONI :												
Caso			MZ	MY	MT	N	TZ	TY				
1-1			-9147.4	1928.9	442.0	-7940.0	-18.1	1056.5				
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx	Tz	Ty	Si					
1-1	si	3	Sx	-611.1	0.0	4.9	611.2					
1-1	si	13	Tz	-228.0	-85.2	0.0	271.6					
1-1	si	5	Ty	-384.2	0.0	-129.8	445.2					
1-1	si	16	Si	-607.8	-85.2	0.0	625.4					
----- PROGR. 41.												
SOLLECITAZIONI :												

## Posto di Controllo Centralizzato - Relazione di calcolo – Scala metallica e vano ascensore

Caso	MZ	MY	MT	N	TZ	TY	
1- 1	-1883.9	2053.7	442.0	-7940.0	-18.1	1056.5	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	-486.6	0.0	4.9	486.7
1- 1	si	13	Tz	-352.8	-85.2	0.0	382.4
1- 1	si	5	Ty	-382.1	0.0	-129.8	443.3
1- 1	si	12	Si	-483.3	0.0	-93.8	509.9

48.

Caso	MZ	MY	MT	N	TZ	TY	
1- 1	5379.5	2178.4	442.0	-7940.0	-18.1	1056.5	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-549.8	0.0	4.9	549.8
1- 1	si	13	Tz	-477.5	-85.2	0.0	499.8
1- 1	si	5	Ty	-379.9	0.0	-129.8	441.4
1- 1	si	15	Si	-546.0	82.2	0.0	564.2

55.

Caso	MZ	MY	MT	N	TZ	TY	
1- 1	12643.0	2303.2	442.0	-7940.0	-18.1	1056.5	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-678.7	0.0	4.9	678.7
1- 1	si	13	Tz	-602.3	-85.2	0.0	620.1
1- 1	si	5	Ty	-377.7	0.0	-129.8	439.5
1- 1	si	15	Si	-674.6	82.2	0.0	689.5

## VERIFICA STABILITA` :

L0 =	55.
Z	Lc = 55.   Ro = 3.88   lm = 14.2   Ncr= 1963561.9   alfa(a) = 0.2100   ki=1.0000
Y	Lc = 55.   Ro = 3.88   lm = 14.2   Ncr= 1963561.9   alfa(a) = 0.2100   ki=1.0000
Caso	1- 1 - Nodo 3 - Asse Z
Ned	= -7940.0   Mzeq = -22221.6   Myeq = 1904.0   Ss = -840.5 ( 0.321)

CASSONE\_s001 ( 1 ) stato limite ultimo - ASTA ( 1071- 1072) 785  
----- PROGR. 0.

Caso	MZ	MY	MT	N	TZ	TY	
1- 1	12643.0	403.9	138.9	-4529.9	6.6	-91.4	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-466.0	0.0	1.5	466.1
1- 1	si	13	Tz	-452.7	8.9	0.0	452.9
1- 1	si	5	Ty	-231.4	0.0	12.3	232.4

20.

Caso	MZ	MY	MT	N	TZ	TY	
1- 1	10815.8	271.9	138.9	-4529.9	6.6	-91.4	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-431.9	0.0	1.5	431.9
1- 1	si	13	Tz	-422.9	8.9	0.0	423.1
1- 1	si	5	Ty	-233.7	0.0	12.3	234.6

40.

Caso	MZ	MY	MT	N	TZ	TY	
1- 1	8988.6	139.8	138.9	-4529.9	6.6	-91.4	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-397.7	0.0	1.5	397.7
1- 1	si	13	Tz	-393.0	8.9	0.0	393.3
1- 1	si	5	Ty	-236.0	0.0	12.3	236.9

60.

Caso	MZ	MY	MT	N	TZ	TY	
1- 1	7161.4	7.7	138.9	-4529.9	6.6	-91.4	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-363.5	0.0	1.5	363.5
1- 1	si	13	Tz	-363.2	8.9	0.0	363.6
1- 1	si	5	Ty	-238.3	0.0	12.3	239.2
1- 1	si	15	Si	-363.5	-7.8	0.0	363.7

80.

Caso	MZ	MY	MT	N	TZ	TY	
1- 1	5334.3	-124.3	138.9	-4529.9	6.6	-91.4	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-333.7	0.0	1.5	333.7
1- 1	si	13	Tz	-333.4	8.9	0.0	333.8
1- 1	si	5	Ty	-240.6	0.0	12.3	241.5

100.

Caso	MZ	MY	MT	N	TZ	TY	
1- 1	3507.1	-256.4	138.9	-4529.9	6.6	-91.4	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-304.1	0.0	1.5	304.1
1- 1	si	13	Tz	-303.6	8.9	0.0	304.0
1- 1	si	5	Ty	-242.9	0.0	12.3	243.8

120.

Caso	MZ	MY	MT	N	TZ	TY	
1- 1	1679.9	-388.4	138.9	-4529.9	6.6	-91.4	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si



## Posto di Controllo Centralizzato - Relazione di calcolo – Scala metallica e vano ascensore

1-1	si	1	Sx	Si	-274.5	0.0	1.5	274.5	
1-1	si	13	Tz		-273.8	8.9	0.0	274.3	
1-1	si	5	Ty		-245.2	0.0	12.3	246.1	
-----									
								140.	
SOLLECITAZIONI :									
Caso			MZ		MY	MT	N	TZ	
1-1			-147.2		-520.5	138.9	-4529.9	6.6	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi		Sx	Tz	Ty	Si	
1-1	si	4	Sx		-250.1	0.0	1.5	250.1	
1-1	si	13	Tz		-244.0	8.9	0.0	244.5	
1-1	si	5	Ty		-247.5	0.0	12.3	248.4	
1-1	si	11	Si		-249.8	0.0	8.6	250.3	
-----									
								160.	
SOLLECITAZIONI :									
Caso			MZ		MY	MT	N	TZ	
1-1			-1974.4		-652.6	138.9	-4529.9	6.6	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi		Sx	Tz	Ty	Si	
1-1	si	4	Sx		-284.3	0.0	1.5	284.3	
1-1	si	13	Tz		-214.2	8.9	0.0	214.8	
1-1	si	5	Ty		-249.8	0.0	12.3	250.7	
-----									
VERIFICA STABILITA` :									
L0	= 160.								
Z	Lc	= 160.		Ro	= 3.88		lm	= 41.2	
				Ncr	= 232022.4		alfa(a)	= 0.2100	
				ki	= 0.9320				
Y	Lc	= 160.		Ro	= 3.88		lm	= 41.2	
				Ncr	= 232022.4		alfa(a)	= 0.2100	
				ki	= 0.9320				
Caso 1-1 - Nodo 1 - Asse Z									
Ned	= -4529.9		Mzeq	= 6796.0		Myeq	= -261.0		
	Ss	= -381.4 ( 0.146)							
CASSONE_S001 ( 1)                    stato limite ultimo   - ASTA ( 1072- 1075)     786									
								0.	
-----									
SOLLECITAZIONI :									
Caso			MZ		MY	MT	N	TZ	
1-1			-8548.6		499.8	-71.8	-1167.2	2.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi		Sx	Tz	Ty	Si	
1-1	si	3	Sx		-219.3	0.0	0.8	219.3	
1-1	si	14	Tz		-202.7	9.3	0.0	203.4	
1-1	si	5	Ty		-52.7	0.0	-14.0	58.1	
-----									
								18.	
SOLLECITAZIONI :									
Caso			MZ		MY	MT	N	TZ	
1-1			-6530.7		464.3	-71.8	-1167.2	2.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi		Sx	Tz	Ty	Si	
1-1	si	3	Sx		-183.5	0.0	0.8	183.5	
1-1	si	14	Tz		-168.1	9.3	0.0	168.9	
1-1	si	5	Ty		-53.3	0.0	-14.0	58.6	
-----									
								36.	
SOLLECITAZIONI :									
Caso			MZ		MY	MT	N	TZ	
1-1			-4512.8		428.7	-71.8	-1167.2	2.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi		Sx	Tz	Ty	Si	
1-1	si	3	Sx		-147.6	0.0	0.8	147.7	
1-1	si	14	Tz		-133.4	9.3	0.0	134.4	
1-1	si	5	Ty		-54.0	0.0	-14.0	59.2	
1-1	si	16	Si		-146.9	-9.0	0.0	147.7	
-----									
								54.	
SOLLECITAZIONI :									
Caso			MZ		MY	MT	N	TZ	
1-1			-2494.9		393.2	-71.8	-1167.2	2.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi		Sx	Tz	Ty	Si	
1-1	si	3	Sx		-111.8	0.0	0.8	111.8	
1-1	si	14	Tz		-98.8	9.3	0.0	100.1	
1-1	si	5	Ty		-54.6	0.0	-14.0	59.8	
1-1	si	16	Si		-111.1	-9.0	0.0	112.2	
-----									
								72.	
SOLLECITAZIONI :									
Caso			MZ		MY	MT	N	TZ	
1-1			-477.0		357.7	-71.8	-1167.2	2.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi		Sx	Tz	Ty	Si	
1-1	si	3	Sx		-76.0	0.0	0.8	76.0	
1-1	si	14	Tz		-64.1	9.3	0.0	66.1	
1-1	si	5	Ty		-55.2	0.0	-14.0	60.3	
1-1	si	12	Si		-75.2	0.0	-9.9	77.1	
-----									
								90.	
SOLLECITAZIONI :									
Caso			MZ		MY	MT	N	TZ	
1-1			1540.9		322.1	-71.8	-1167.2	2.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi		Sx	Tz	Ty	Si	
1-1	si	2	Sx		-93.9	0.0	0.8	93.9	
1-1	si	14	Tz		-29.5	9.3	0.0	33.6	
1-1	si	5	Ty		-55.8	0.0	-14.0	60.9	
1-1	si	15	Si		-93.4	9.3	0.0	94.8	
-----									
								108.	
SOLLECITAZIONI :									
Caso			MZ		MY	MT	N	TZ	
1-1			3558.8		286.6	-71.8	-1167.2	2.0	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi		Sx	Tz	Ty	Si	
1-1	si	2	Sx		-128.5	0.0	0.8	128.5	
1-1	si	14	Tz		5.2	9.3	0.0	16.9	
1-1	si	5	Ty		-56.4	0.0	-14.0	61.5	

1-1 si 15	Si	-128.0	9.3	0.0	129.0		
-----							
PROGR. 126.							
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1-1	5576.7	251.1	-71.8	-1167.2	2.0	112.1	
TENSIONI (Sz= 0.00) :							
Caso	Ve No	massimi	Sx	Tz	Ty	Si	
1-1 si 2	Sx		-163.1	0.0	0.8	163.1	
1-1 si 14	Tz		39.8	9.3	0.0	43.0	
1-1 si 5	Ty		-57.1	0.0	-14.0	62.0	
1-1 si 15	Si		-162.7	9.3	0.0	163.5	
-----							
PROGR. 144.							
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1-1	7594.6	215.5	-71.8	-1167.2	2.0	112.1	
TENSIONI (Sz= 0.00) :							
Caso	Ve No	massimi	Sx	Tz	Ty	Si	
1-1 si 2	Sx		-197.7	0.0	0.8	197.7	
1-1 si 14	Tz		74.5	9.3	0.0	76.2	
1-1 si 5	Ty		-57.7	0.0	-14.0	62.6	
1-1 si 15	Si		-197.3	9.3	0.0	198.0	
-----							
VERIFICA STABILITA` :							
L0 =	144.0						
Z   Lc =	144.0	Ro = 3.88	lm = 37.1	Ncr= 286447.5	alfa(a) = 0.2100	ki = 0.9455	
Y   Lc =	144.0	Ro = 3.88	lm = 37.1	Ncr= 286447.5	alfa(a) = 0.2100	ki = 0.9455	
Caso 1-1 - Nodo 3 - Asse Z							
Ned =	-1167.2	Mzeq =	-3419.4	Myeq =	386.1	Ss =	-131.6 ( 0.050)
CASSONE_S001 ( 1) stato limite ultimo - ASTA ( 1075- 1077) 789							
-----							
PROGR. 0.							
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1-1	-5653.1	654.9	-124.3	-3.2	5.1	79.3	
TENSIONI (Sz= 0.00) :							
Caso	Ve No	massimi	Sx	Tz	Ty	Si	
1-1 si 3	Sx	Si	-110.2	0.0	1.4	110.2	
1-1 si 14	Tz		-88.5	7.7	0.0	89.5	
1-1 si 5	Ty		11.3	0.0	-10.8	21.8	
-----							
PROGR. 18.							
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1-1	-4225.7	562.5	-124.3	-3.2	5.1	79.3	
TENSIONI (Sz= 0.00) :							
Caso	Ve No	massimi	Sx	Tz	Ty	Si	
1-1 si 3	Sx	Si	-83.7	0.0	1.4	83.7	
1-1 si 14	Tz		-65.1	7.7	0.0	66.4	
1-1 si 5	Ty		9.6	0.0	-10.8	21.0	
-----							
PROGR. 36.							
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1-1	-2798.3	470.2	-124.3	-3.2	5.1	79.3	
TENSIONI (Sz= 0.00) :							
Caso	Ve No	massimi	Sx	Tz	Ty	Si	
1-1 si 3	Sx		-57.2	0.0	1.4	57.2	
1-1 si 14	Tz		-41.6	7.7	0.0	43.7	
1-1 si 5	Ty		8.0	0.0	-10.8	20.3	
1-1 si 16	Si		-56.4	-6.9	0.0	57.6	
-----							
PROGR. 54.							
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
4-15	290.1	283.3	6.6	-435.0	-1.6	-4.8	
1-1	-1370.8	377.8	-124.3	-3.2	5.1	79.3	
TENSIONI (Sz= 0.00) :							
Caso	Ve No	massimi	Sx	Tz	Ty	Si	
4-15 si 2	Sx	Si	-32.9	0.0	0.1	32.9	
1-1 si 14	Tz		-18.2	7.7	0.0	22.5	
1-1 si 5	Ty		6.4	0.0	-10.8	19.7	
-----							
PROGR. 72.							
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
5-8	48.3	-891.2	-24.7	-357.6	11.7	1.4	
1-1	56.6	285.4	-124.3	-3.2	5.1	79.3	
TENSIONI (Sz= 0.00) :							
Caso	Ve No	massimi	Sx	Tz	Ty	Si	
5-8 si 1	Sx	Si	-35.2	0.0	0.3	35.2	
1-1 si 14	Tz		5.3	7.7	0.0	14.4	
1-1 si 5	Ty		4.8	0.0	-10.8	19.2	
-----							
PROGR. 90.							
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
5-12	113.6	1118.9	-7.9	-310.5	-9.1	6.4	
1-1	1484.0	193.0	-124.3	-3.2	5.1	79.3	
TENSIONI (Sz= 0.00) :							
Caso	Ve No	massimi	Sx	Tz	Ty	Si	
5-12 si 2	Sx	Si	-37.8	0.0	0.1	37.8	
1-1 si 14	Tz		28.8	7.7	0.0	31.7	
1-1 si 5	Ty		3.2	0.0	-10.8	18.9	
-----							
PROGR. 108.							
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1-1	2911.5	100.6	-124.3	-3.2	5.1	79.3	
TENSIONI (Sz= 0.00) :							
Caso	Ve No	massimi	Sx	Tz	Ty	Si	
1-1 si 2	Sx		-52.7	0.0	1.4	52.8	
1-1 si 14	Tz		52.2	7.7	0.0	53.9	
1-1 si 5	Ty		1.6	0.0	-10.8	18.7	
1-1 si 15	Si		-52.5	7.7	0.0	54.2	

----- PROGR. 126.										
SOLLECITAZIONI :										
Caso		MZ	MY	MT	N	TZ	TY			
1- 1		4338.9	8.2	-124.3	-3.2	5.1	79.3			
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx	Tz	Ty	Si			
1- 1	si	2	Sx	-76.0	0.0	1.4	76.0			
1- 1	si	14	Tz	75.7	7.7	0.0	76.8			
1- 1	si	5	Ty	0.0	0.0	-10.8	18.6			
1- 1	si	15	Si	-76.0	7.7	0.0	77.2			
----- PROGR. 144.										
SOLLECITAZIONI :										
Caso		MZ	MY	MT	N	TZ	TY			
1- 1		5766.3	-84.1	-124.3	-3.2	5.1	79.3			
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx	Tz	Ty	Si			
1- 1	si	1	Sx	-102.2	0.0	1.4	102.3			
1- 1	si	14	Tz	99.1	7.7	0.0	100.0			
1- 1	si	5	Ty	-1.6	0.0	-10.8	18.7			
1- 1	si	13	Si	-102.1	-6.9	0.0	102.8			
VERIFICA STABILITA` :										
L0 =	144.									
Z	Lc =	144.	Ro =	3.88	lm =	37.1	Ncr=	286447.5	alfa(a) =	0.2100
Y	Lc =	144.	Ro =	3.88	lm =	37.1	Ncr=	286447.5	alfa(a) =	0.2100
Caso	5- 9 - Nodo 3 - Asse Z									
Ned =	-218.0 Mzeq = -832.2 Myeq = 1283.8 Ss = -49.1 ( 0.019)									
CASSONE_s001 ( 1 ) stato limite ultimo - ASTA ( 1077- 1079 ) 791										
----- PROGR. 0.										
SOLLECITAZIONI :										
Caso		MZ	MY	MT	N	TZ	TY			
4-14		7200.1	-1369.5	9.7	-532.2	-1.5	-78.7			
1- 1		-4439.4	-1079.6	-324.2	-234.0	6.4	60.4			
4- 3		-7758.8	1005.6	-137.5	-180.4	4.4	88.6			
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx	Tz	Ty	Si			
4-14	si	1	Sx Si	-177.5	0.0	0.1	177.5			
1- 1	si	14	Tz	-106.7	8.6	0.0	107.8			
4- 3	si	5	Ty	8.1	0.0	-12.0	22.3			
----- PROGR. 22.										
SOLLECITAZIONI :										
Caso		MZ	MY	MT	N	TZ	TY			
4-14		5429.5	-1346.2	9.7	-532.2	-1.5	-78.7			
1- 1		-3080.0	-1222.8	-324.2	-234.0	6.4	60.4			
4- 3		-5764.8	916.6	-137.5	-180.4	4.4	88.6			
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx	Tz	Ty	Si			
4-14	si	1	Sx Si	-146.2	0.0	0.1	146.2			
1- 1	si	14	Tz	-85.3	8.6	0.0	86.6			
4- 3	si	5	Ty	6.5	0.0	-12.0	21.8			
----- PROGR. 45.										
SOLLECITAZIONI :										
Caso		MZ	MY	MT	N	TZ	TY			
4-13		3677.8	-1301.7	-4.0	-533.7	-0.4	-79.1			
1- 1		-1720.7	-1366.1	-324.2	-234.0	6.4	60.4			
4- 3		-3771.1	827.0	-137.5	-180.4	4.4	88.6			
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx	Tz	Ty	Si			
4-13	si	1	Sx Si	-115.0	0.0	0.0	115.0			
1- 1	si	14	Tz	-63.8	8.6	0.0	65.5			
4- 3	si	5	Ty	4.9	0.0	-12.0	21.4			
----- PROGR. 68.										
SOLLECITAZIONI :										
Caso		MZ	MY	MT	N	TZ	TY			
5- 4		657.5	-3748.8	5.6	-429.1	-4.2	-22.2			
1- 1		-361.3	-1509.4	-324.2	-234.0	6.4	60.4			
4- 3		-1778.5	737.9	-137.5	-180.4	4.4	88.6			
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx	Tz	Ty	Si			
5- 4	si	1	Sx Si	-99.5	0.0	0.1	99.5			
1- 1	si	14	Tz	-42.3	8.6	0.0	44.9			
4- 3	si	5	Ty	3.4	0.0	-12.0	21.1			
----- PROGR. 90.										
SOLLECITAZIONI :										
Caso		MZ	MY	MT	N	TZ	TY			
5- 4		134.2	-3689.5	5.6	-429.1	-4.2	-22.2			
1- 1		998.1	-1652.7	-324.2	-234.0	6.4	60.4			
4- 3		293.1	649.5	-137.5	-180.4	4.4	88.6			
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx	Tz	Ty	Si			
5- 4	si	1	Sx Si	-89.3	0.0	0.1	89.3			
1- 1	si	14	Tz	-20.9	8.6	0.0	25.7			
4- 3	si	5	Ty	1.8	0.0	-12.0	20.9			
----- PROGR. 112.										
SOLLECITAZIONI :										
Caso		MZ	MY	MT	N	TZ	TY			
5- 1		814.7	-3651.1	-20.2	-326.6	-4.1	27.8			
1- 1		2357.4	-1795.9	-324.2	-234.0	6.4	60.4			
4- 3		2216.5	562.0	-137.5	-180.4	4.4	88.6			
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx	Tz	Ty	Si			
5- 1	si	1	Sx Si	-95.1	0.0	0.2	95.1			
1- 1	si	14	Tz	0.6	8.6	0.0	15.0			
4- 3	si	5	Ty	0.3	0.0	-12.0	20.8			
----- PROGR. 135.										
SOLLECITAZIONI :										
Caso		MZ	MY	MT	N	TZ	TY			

Posto di Controllo Centralizzato - Relazione di calcolo – Scala metallica e vano ascensore

4-13	-3445.5	-1308.9	-4.0	-533.7	-0.4	-79.1
1- 1	3716.8	-1939.2	-324.2	-234.0	6.4	60.4
4- 3	4209.2	475.6	-137.5	-180.4	4.4	88.6

TENSIONI (S<sub>z</sub>= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-13	si	4	Sx	-111.0	0.0	0.0	111.0
1- 1	si	14	Tz	22.1	8.6	0.0	26.7
4- 3	si	5	Ty	-1.2	0.0	-12.0	20.8
1- 1	si	1	Si	-111.0	0.0	3.6	111.2

----- PROGR. 158.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4-13	-5225.0	-1313.4	-4.0	-533.7	-0.4	-79.1
1- 1	5076.1	-2082.5	-324.2	-234.0	6.4	60.4
4- 3	6202.9	390.5	-137.5	-180.4	4.4	88.6

TENSIONI (S<sub>z</sub>= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-13	si	4	Sx	-142.2	0.0	0.0	142.2
1- 1	si	14	Tz	43.5	8.6	0.0	46.0
4- 3	si	5	Ty	-2.7	0.0	-12.0	21.0

----- PROGR. 180.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 1	8118.5	-1404.6	-89.8	-191.8	0.0	87.7
1- 1	6435.5	-2225.7	-324.2	-234.0	6.4	60.4
4- 3	8197.0	306.7	-137.5	-180.4	4.4	88.6

TENSIONI (S<sub>z</sub>= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4- 1	si	1	Sx	-176.2	0.0	1.0	176.3
1- 1	si	14	Tz	65.0	8.6	0.0	66.7
4- 3	si	5	Ty	-4.1	0.0	-12.0	21.2

-----  
 VERIFICA STABILITA` :

L<sub>0</sub> = 180. |  
 Z |L<sub>c</sub> = 180. |R<sub>o</sub> = 3.88 |l<sub>m</sub> = 46.3 |N<sub>cr</sub> = 183326.4 |alfa(a)=0.2100 |k<sub>i</sub>=0.9134 |  
 Y |L<sub>c</sub> = 180. |R<sub>o</sub> = 3.88 |l<sub>m</sub> = 46.3 |N<sub>cr</sub> = 183326.4 |alfa(a)=0.2100 |k<sub>i</sub>=0.9134 |  
 Caso 4-14 - Nodo 1 - Asse Z  
 Ned = -532.2 |M<sub>zeq</sub> = 5400.1 |M<sub>yeq</sub> = -1369.5 |S<sub>s</sub> = -149.1 ( 0.057 )

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 1079- 1081 ) 793  
 ----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	29981.8	-1734.0	-324.2	15.5	6.4	-336.2

TENSIONI (S<sub>z</sub>= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	554.2	0.0	3.6	554.2
1- 1	si	13	Tz	-549.5	29.2	0.0	551.8
1- 1	si	5	Ty	-29.4	0.0	43.3	80.6

----- PROGR. 17.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	24309.1	-1841.4	-324.2	15.5	6.4	-336.2

TENSIONI (S<sub>z</sub>= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	457.1	0.0	3.6	457.1
1- 1	si	13	Tz	-452.2	29.2	0.0	455.0
1- 1	si	5	Ty	-31.3	0.0	43.3	81.3

----- PROGR. 34.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	18636.5	-1948.9	-324.2	15.5	6.4	-336.2

TENSIONI (S<sub>z</sub>= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	360.0	0.0	3.6	360.0
1- 1	si	13	Tz	-354.9	29.2	0.0	358.5
1- 1	si	5	Ty	-33.2	0.0	43.3	82.1
1- 1	si	16	Si	356.6	29.2	0.0	360.1

----- PROGR. 51.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	12963.8	-2056.3	-324.2	15.5	6.4	-336.2

TENSIONI (S<sub>z</sub>= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	262.9	0.0	3.6	262.9
1- 1	si	13	Tz	-257.7	29.2	0.0	262.6
1- 1	si	5	Ty	-35.1	0.0	43.3	82.8
1- 1	si	16	Si	259.3	29.2	0.0	264.2

----- PROGR. 68.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	7291.1	-2163.8	-324.2	15.5	6.4	-336.2

TENSIONI (S<sub>z</sub>= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	165.8	0.0	3.6	165.9
1- 1	si	13	Tz	-160.4	29.2	0.0	168.1
1- 1	si	5	Ty	-36.9	0.0	43.3	83.6
1- 1	si	16	Si	162.0	29.2	0.0	169.7

----- PROGR. 84.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 1	5096.7	-1995.7	-89.8	-188.8	-3.1	-38.4
1- 1	1618.5	-2271.2	-324.2	15.5	6.4	-336.2

TENSIONI (S<sub>z</sub>= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4- 1	si	1	Sx	-133.7	0.0	1.0	133.7
1- 1	si	13	Tz	-63.1	29.2	0.0	80.8
1- 1	si	5	Ty	-38.8	0.0	43.3	84.5

----- PROGR. 101.										
SOLLECITAZIONI :										
Caso	MZ	MY	MT	N	TZ	TY				
4-13	-6104.5	-1560.8	-4.0	-309.0	-3.5	-108.3				
1- 1	-4054.2	-2378.7	-324.2	15.5	6.4	-336.2				
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx	Tz	Ty	Si			
4-13	si	4	Sx	Si	-150.0	0.0	0.0	150.0		
1- 1	si	13	Tz		34.2	29.2	0.0	61.0		
1- 1	si	5	Ty		-40.7	0.0	43.3	85.4		
----- PROGR. 118.										
SOLLECITAZIONI :										
Caso	MZ	MY	MT	N	TZ	TY				
1- 1	-9726.8	-2486.1	-324.2	15.5	6.4	-336.2				
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx	Tz	Ty	Si			
1- 1	si	2	Sx	Si	213.9	0.0	3.6	214.0		
1- 1	si	13	Tz		131.5	29.2	0.0	140.9		
1- 1	si	5	Ty		-42.6	0.0	43.3	86.3		
1- 1	si	15	Si		209.6	-28.1	0.0	215.2		
----- PROGR. 135.										
SOLLECITAZIONI :										
Caso	MZ	MY	MT	N	TZ	TY				
1- 1	-15399.5	-2593.6	-324.2	15.5	6.4	-336.2				
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx	Tz	Ty	Si			
1- 1	si	2	Sx	Si	314.7	0.0	3.6	314.8		
1- 1	si	13	Tz		228.8	29.2	0.0	234.3		
1- 1	si	5	Ty		-44.4	0.0	43.3	87.2		
-----										
VERIFICA STABILITA` :										
L0	=	135.								
Z	Lc	=	135.	Ro =	3.88	lm =	34.8	Ncr =	325913.6	
Y	Lc	=	135.	Ro =	3.88	lm =	34.8	Ncr =	325913.6	
		Caso 5- 1 - Nodo 1 - Asse Z								
Ned	=	-236.1	Mzeq	=	5699.8	Myeq	=	-6235.1	Ss =	-221.4 ( 0.085)
-----										
CASSONE_S001 ( 1 )                            stato limite ultimo - ASTA ( 1081- 1067)            795										
----- PROGR. 0.										
SOLLECITAZIONI :										
Caso	MZ	MY	MT	N	TZ	TY				
1- 1	-15399.5	-2236.3	777.7	32.6	-82.3	270.2				
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx	Tz	Ty	Si			
1- 1	si	2	Sx	Si	309.4	0.0	8.6	309.8		
1- 1	si	13	Tz		235.3	-35.6	0.0	243.2		
1- 1	si	5	Ty		-37.3	0.0	-40.6	79.5		
----- PROGR. 7.										
SOLLECITAZIONI :										
Caso	MZ	MY	MT	N	TZ	TY				
1- 1	-13474.6	-1649.7	777.7	32.6	-82.3	270.2				
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx	Tz	Ty	Si			
1- 1	si	2	Sx	Si	265.6	0.0	8.6	266.0		
1- 1	si	13	Tz		210.9	-35.6	0.0	219.7		
1- 1	si	5	Ty		-27.1	0.0	-40.6	75.3		
----- PROGR. 14.										
SOLLECITAZIONI :										
Caso	MZ	MY	MT	N	TZ	TY				
1- 1	-11549.6	-1063.1	777.7	32.6	-82.3	270.2				
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx	Tz	Ty	Si			
1- 1	si	2	Sx	Si	221.8	0.0	8.6	222.3		
1- 1	si	13	Tz		186.5	-35.6	0.0	196.5		
1- 1	si	5	Ty		-16.8	0.0	-40.6	72.2		
1- 1	si	15	Si		219.9	21.9	0.0	223.2		
----- PROGR. 21.										
SOLLECITAZIONI :										
Caso	MZ	MY	MT	N	TZ	TY				
1- 1	-9624.7	-476.5	777.7	32.6	-82.3	270.2				
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx	Tz	Ty	Si			
1- 1	si	2	Sx	Si	178.0	0.0	8.6	178.6		
1- 1	si	13	Tz		162.2	-35.6	0.0	173.5		
1- 1	si	5	Ty		-6.6	0.0	-40.6	70.5		
1- 1	si	15	Si		177.1	21.9	0.0	181.2		
----- PROGR. 28.										
SOLLECITAZIONI :										
Caso	MZ	MY	MT	N	TZ	TY				
1- 1	-7699.8	110.1	777.7	32.6	-82.3	270.2				
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx	Tz	Ty	Si			
1- 1	si	1	Sx		138.0	0.0	8.6	138.8		
1- 1	si	13	Tz	Si	137.8	-35.6	0.0	150.9		
1- 1	si	5	Ty		3.6	0.0	-40.6	70.3		
----- PROGR. 36.										
SOLLECITAZIONI :										
Caso	MZ	MY	MT	N	TZ	TY				
1- 1	-5774.8	696.7	777.7	32.6	-82.3	270.2				
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx	Tz	Ty	Si			
1- 1	si	1	Sx		114.6	0.0	8.6	115.6		
1- 1	si	13	Tz	Si	113.4	-35.6	0.0	129.1		
1- 1	si	5	Ty		13.9	0.0	-40.6	71.6		
----- PROGR. 43.										
SOLLECITAZIONI :										
Caso	MZ	MY	MT	N	TZ	TY				
1- 1	-3849.9	1283.3	777.7	32.6	-82.3	270.2				

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	91.3	0.0	8.6	92.5	
1- 1	si	13	Tz	89.0	-35.6	0.0	108.3	
1- 1	si	5	Ty	24.1	0.0	-40.6	74.3	
							PROGR.	50.
SOLLECITAZIONI :								
Caso		MZ	MY	MT	N	TZ	TY	
5-15		0.0	2686.6	-683.8	-240.2	26.2	89.5	
1- 1		0.0	1869.9	777.7	32.6	-82.3	270.2	
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
5-15	si	3	Sx	-70.6	0.0	7.6	71.8	
1- 1	si	13	Tz	64.7	-35.6	0.0	89.3	
1- 1	si	5	Ty	34.3	0.0	-40.6	78.2	
1- 1	si	9	Si	64.6	0.0	-37.1	91.2	
							PROGR.	57.
SOLLECITAZIONI :								
Caso		MZ	MY	MT	N	TZ	TY	
5-15		0.0	2596.6	-683.8	-240.2	26.2	89.5	
1- 1		0.0	2456.5	777.7	32.6	-82.3	270.2	
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
5-15	si	3	Sx	-57.9	0.0	7.6	59.4	
1- 1	si	13	Tz	40.3	-35.6	0.0	73.6	
1- 1	si	5	TySi	44.6	0.0	-40.6	83.2	
VERIFICA STABILITA` :								
L0 = 57.								
Z   Lc = 57.   Ro = 3.88   lm = 14.7   Ncr = 1828185.5   alfa(a) = 0.2100   ki = 1.0000								
Y   Lc = 57.   Ro = 3.88   lm = 14.7   Ncr = 1828185.5   alfa(a) = 0.2100   ki = 1.0000								
Caso 4-16 - Nodo 3 - Asse Z								
Ned = -291.4   Mzeq = -7147.7   Myeq = 1467.6   Ss = -165.7 ( 0.063 )								
CASSONE_S001 ( 1 ) stato limite ultimo - ASTA ( 848- 1076 )								
							PROGR.	798 0.
SOLLECITAZIONI :								
Caso		MZ	MY	MT	N	TZ	TY	
1- 1		0.0	-26876.9	-3874.9	-909.2	-1237.2	0.0	
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	-516.8	0.0	42.9	522.1	
1- 1	si	7	Tz	-47.9	-189.2	0.0	331.1	
1- 1	si	10	Ty	421.1	0.0	135.2	481.8	
1- 1	si	11	Si	-516.8	0.0	135.2	567.4	
							PROGR.	5.
SOLLECITAZIONI :								
Caso		MZ	MY	MT	N	TZ	TY	
1- 1		0.0	-20611.3	-3874.9	-909.2	-1238.2	0.0	
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	-407.5	0.0	42.9	414.2	
1- 1	si	7	Tz	-47.9	-189.3	0.0	331.3	
1- 1	si	10	Ty	311.7	0.0	135.3	390.0	
1- 1	si	11	Si	-407.5	0.0	135.3	470.0	
							PROGR.	10.
SOLLECITAZIONI :								
Caso		MZ	MY	MT	N	TZ	TY	
1- 1		0.0	-14340.6	-3874.9	-909.2	-1239.1	0.0	
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	-298.1	0.0	42.9	307.2	
1- 1	si	7	Tz	-47.9	-189.4	0.0	331.5	
1- 1	si	10	Ty	202.3	0.0	135.4	309.7	
1- 1	si	11	Si	-298.1	0.0	135.4	379.2	
							PROGR.	15.
SOLLECITAZIONI :								
Caso		MZ	MY	MT	N	TZ	TY	
1- 1		0.0	-8065.0	-3874.9	-909.2	-1240.1	0.0	
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	-188.6	0.0	42.9	202.7	
1- 1	si	7	Tz	-47.9	-189.5	0.0	331.7	
1- 1	si	10	Ty	92.9	0.0	135.4	252.3	
1- 1	si	8	Si	-47.9	-189.5	0.0	331.7	
							PROGR.	20.
SOLLECITAZIONI :								
Caso		MZ	MY	MT	N	TZ	TY	
1- 1		0.0	-1784.5	-3874.9	-909.2	-1241.1	0.0	
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	-79.0	0.0	42.9	108.5	
1- 1	si	7	Tz	-47.9	-189.6	0.0	331.9	
1- 1	si	10	Ty	-16.7	0.0	135.5	235.3	
1- 1	si	8	Si	-47.9	-189.6	0.0	331.9	
							PROGR.	25.
SOLLECITAZIONI :								
Caso		MZ	MY	MT	N	TZ	TY	
1- 1		0.0	4501.0	-3874.9	-909.2	-1242.1	0.0	
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx	-126.4	0.0	42.9	146.6	
1- 1	si	7	Tz	-47.9	-189.8	0.0	332.1	
1- 1	si	10	Ty	-126.4	0.0	135.6	266.7	
1- 1	si	8	Si	-47.9	-189.8	0.0	332.1	
							PROGR.	30.
SOLLECITAZIONI :								
Caso		MZ	MY	MT	N	TZ	TY	

```

| 1- 1 |      0.0 | 10791.5 | -3874.9 | -909.2 | -1243.1 |    0.0 |
TENSIONI (Sz=
0.00) :
| Caso |Ve|No|massimi |    Sx    |    Tz    |    Ty    |    Si    |
| 1- 1 |si|3 |Sx     | -236.1   |    0.0   |   42.9   |   247.6   |
| 1- 1 |si|7 |Tz     | -47.9    | -189.9   |    0.0   |   332.3   |
| 1- 1 |si|10 |Ty     | -236.1   |    0.0   |  135.6   |   333.1   |
| 1- 1 |si|16 |Si     | -217.3   | -146.0   |    0.0   |   333.4   |
-----
PROGR.          35.
SOLLECITAZIONI :
| Caso |      MZ      |      MY      |      MT      |      N      |      TZ      |      TY      |
| 1- 1 |      0.0     | 17087.0     | -3874.9     | -909.2     | -1244.0     |    0.0     |
TENSIONI (Sz=
0.00) :
| Caso |Ve|No|massimi |    Sx    |    Tz    |    Ty    |    Si    |
| 1- 1 |si|3 |Sx     | -346.0   |    0.0   |   42.9   |   353.9   |
| 1- 1 |si|7 |Tz     | -47.9    | -190.0   |    0.0   |   332.5   |
| 1- 1 |si|10 |Ty     | -346.0   |    0.0   |  135.7   |   418.3   |
| 1- 1 |si|12 |Si     | -346.0   |    0.0   | -135.7   |   418.3   |
-----
PROGR.          40.
SOLLECITAZIONI :
| Caso |      MZ      |      MY      |      MT      |      N      |      TZ      |      TY      |
| 1- 1 |      0.0     | 23387.4     | -3874.9     | -909.2     | -1245.0     |    0.0     |
TENSIONI (Sz=
0.00) :
| Caso |Ve|No|massimi |    Sx    |    Tz    |    Ty    |    Si    |
| 1- 1 |si|3 |Sx     | -455.9   |    0.0   |   42.9   |   461.9   |
| 1- 1 |si|7 |Tz     | -47.9    | -190.1   |    0.0   |   332.7   |
| 1- 1 |si|10 |Ty     | -455.9   |    0.0   |  135.8   |   513.0   |
| 1- 1 |si|12 |Si     | -455.9   |    0.0   | -135.8   |   513.0   |
-----
VERIFICA STABILITA` :
|L0 = 40. |
Z |Lc = 40. |Ro = 3.88 |lm = 10.4 |Ncr= 3621261.8 |alfa(a)=0.2100 |ki=1.0000 |
Y |Lc = 40. |Ro = 3.88 |lm = 10.4 |Ncr= 3621261.8 |alfa(a)=0.2100 |ki=1.0000 |
Caso 1- 1 - Nodo 4 - Asse Z
Ned = -909.2 |Mzeq = 0.0 |Myeq = -20157.7 |Ss = -399.6 ( 0.153)

CASSONE_s001 ( 1) stato limite ultimo - ASTA ( 1076- 1077) 799
-----
PROGR.          0.
SOLLECITAZIONI :
| Caso |      MZ      |      MY      |      MT      |      N      |      TZ      |      TY      |
| 1- 1 |      0.0     |  7626.8     | -113.2     | -79.1     |  125.0     |    0.0     |
TENSIONI (Sz=
0.00) :
| Caso |Ve|No|massimi |    Sx    |    Tz    |    Ty    |    Si    |
| 1- 1 |si|2 |Sx     | -137.2   |    0.0   |    1.3   |   137.2   |
| 1- 1 |si|7 |Tz     | -4.2     |  16.0    |    0.0   |    28.1   |
| 1- 1 |si|10 |TySi  | -137.2   |    0.0   | -10.6   |   138.4   |
-----
PROGR.          15.
SOLLECITAZIONI :
| Caso |      MZ      |      MY      |      MT      |      N      |      TZ      |      TY      |
| 1- 1 |      0.0     |  5773.3     | -113.2     | -79.1     |  122.1     |    0.0     |
TENSIONI (Sz=
0.00) :
| Caso |Ve|No|massimi |    Sx    |    Tz    |    Ty    |    Si    |
| 1- 1 |si|2 |Sx     | -104.9   |    0.0   |    1.3   |   104.9   |
| 1- 1 |si|7 |Tz     | -4.2     |  15.7    |    0.0   |    27.5   |
| 1- 1 |si|10 |TySi  | -104.9   |    0.0   | -10.4   |   106.4   |
-----
PROGR.          30.
SOLLECITAZIONI :
| Caso |      MZ      |      MY      |      MT      |      N      |      TZ      |      TY      |
| 1- 1 |      0.0     |  3963.4     | -113.2     | -79.1     |  119.2     |    0.0     |
TENSIONI (Sz=
0.00) :
| Caso |Ve|No|massimi |    Sx    |    Tz    |    Ty    |    Si    |
| 1- 1 |si|2 |Sx     | -73.3    |    0.0   |    1.3   |    73.3   |
| 1- 1 |si|7 |Tz     | -4.2     |  15.3    |    0.0   |    26.9   |
| 1- 1 |si|10 |TySi  | -73.3    |    0.0   | -10.1   |    75.4   |
-----
PROGR.          45.
SOLLECITAZIONI :
| Caso |      MZ      |      MY      |      MT      |      N      |      TZ      |      TY      |
| 1- 1 |      0.0     | 2197.1     | -113.2     | -79.1     |  116.3     |    0.0     |
TENSIONI (Sz=
0.00) :
| Caso |Ve|No|massimi |    Sx    |    Tz    |    Ty    |    Si    |
| 1- 1 |si|2 |Sx     | -42.5    |    0.0   |    1.3   |    42.5   |
| 1- 1 |si|7 |Tz     | -4.2     |  15.0    |    0.0   |    26.3   |
| 1- 1 |si|10 |TySi  | -42.5    |    0.0   | -9.9    |    45.8   |
-----
PROGR.          60.
SOLLECITAZIONI :
| Caso |      MZ      |      MY      |      MT      |      N      |      TZ      |      TY      |
| 1- 1 |      0.0     |  474.5     | -113.2     | -79.1     |  113.4     |    0.0     |
TENSIONI (Sz=
0.00) :
| Caso |Ve|No|massimi |    Sx    |    Tz    |    Ty    |    Si    |
| 1- 1 |si|2 |Sx     | -12.4    |    0.0   |    1.3   |    12.6   |
| 1- 1 |si|7 |Tz     | -4.2     |  14.7    |    0.0   |    25.7   |
| 1- 1 |si|10 |TySi  | -12.4    |    0.0   | -9.7    |    20.9   |
-----
PROGR.          75.
SOLLECITAZIONI :
| Caso |      MZ      |      MY      |      MT      |      N      |      TZ      |      TY      |
| 1- 1 |      0.0     | -1204.5    | -113.2     | -79.1     |  110.5     |    0.0     |
TENSIONI (Sz=
0.00) :
| Caso |Ve|No|massimi |    Sx    |    Tz    |    Ty    |    Si    |
| 1- 1 |si|1 |Sx     | -25.2    |    0.0   |    1.3   |    25.3   |
| 1- 1 |si|7 |Tz     | -4.2     |  14.3    |    0.0   |    25.1   |
| 1- 1 |si|10 |Ty     |  16.9    |    0.0   | -9.5    |    23.5   |
| 1- 1 |si|9  |Si     | -25.2    |    0.0   |    9.5   |    30.1   |
-----
PROGR.          90.
SOLLECITAZIONI :
| Caso |      MZ      |      MY      |      MT      |      N      |      TZ      |      TY      |
| 1- 1 |      0.0     | -2839.9    | -113.2     | -79.1     |  107.6     |    0.0     |
TENSIONI (Sz=
0.00) :
| Caso |Ve|No|massimi |    Sx    |    Tz    |    Ty    |    Si    |
| 1- 1 |si|1 |Sx     | -53.7    |    0.0   |    1.3   |    53.8   |

```

1- 1   si   7   Tz		-4.2	14.0	0.0	24.6
1- 1   si   10   Ty		45.4	0.0	-9.3	48.1
1- 1   si   9   Si		-53.7	0.0	9.3	56.1

----- PROGR. 105.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-4431.7	-113.2	-79.1	104.7	0.0

## TENSIONI (Sz= 0.00) :

Caso   Ve   No   massimi	Sx	Tz	Ty	Si
1- 1   si   1   Sx	-81.5	0.0	1.3	81.5
1- 1   si   7   Tz	-4.2	13.6	0.0	24.0
1- 1   si   10   Ty	73.2	0.0	-9.1	74.8
1- 1   si   9   Si	-81.5	0.0	9.1	83.0

----- PROGR. 120.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-5979.8	-113.2	-79.1	101.8	0.0

## TENSIONI (Sz= 0.00) :

Caso   Ve   No   massimi	Sx	Tz	Ty	Si
1- 1   si   1   Sx	-108.5	0.0	1.3	108.5
1- 1   si   7   Tz	-4.2	13.3	0.0	23.4
1- 1   si   10   Ty	100.2	0.0	-8.8	101.3
1- 1   si   9   Si	-108.5	0.0	8.8	109.6

## VERIFICA STABILITA` :

|L0 = 120.  
 Z | Lc = 120. | Ro = 3.88 | lm = 30.9 | Ncr = 412484.4 | alfa(a) = 0.2100 | ki = 0.9640 |  
 Y | Lc = 120. | Ro = 3.88 | lm = 30.9 | Ncr = 412484.4 | alfa(a) = 0.2100 | ki = 0.9640 |  
 Caso 1- 1 - Nodo 2 - Asse Z  
 Ned = -79.1 | Mzeq = 0.0 | Myeq = 5720.1 | Ss = -104.1 ( 0.040)

CASSONE\_S001 ( 1) stato limite ultimo - ASTA ( 1077- 855) 800

----- PROGR. 0.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-16185.6	1032.6	336.9	-614.7	0.0

## TENSIONI (Sz= 0.00) :

Caso   Ve   No   massimi	Sx	Tz	Ty	Si
1- 1   si   2   Sx	300.1	0.0	11.4	300.8
1- 1   si   7   Tz	17.7	-84.1	0.0	146.7
1- 1   si   9   Ty	-264.7	0.0	-57.3	282.6
1- 1   si   10   Si	300.1	0.0	57.3	316.1

----- PROGR. 7.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-11839.7	1032.6	336.9	-616.0	0.0

## TENSIONI (Sz= 0.00) :

Caso   Ve   No   massimi	Sx	Tz	Ty	Si
1- 1   si   2   Sx	224.3	0.0	11.4	225.2
1- 1   si   7   Tz	17.7	-84.3	0.0	147.0
1- 1   si   9   Ty	-188.8	0.0	-57.4	213.4
1- 1   si   10   Si	224.3	0.0	57.4	245.3

----- PROGR. 14.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-7484.2	1032.6	336.9	-617.4	0.0

## TENSIONI (Sz= 0.00) :

Caso   Ve   No   massimi	Sx	Tz	Ty	Si
1- 1   si   2   Sx	148.3	0.0	11.4	149.6
1- 1   si   7   Tz	17.7	-84.4	0.0	147.3
1- 1   si   9   Ty	-112.8	0.0	-57.5	150.5
1- 1   si   10   Si	148.3	0.0	57.5	178.6

----- PROGR. 21.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-3119.0	1032.6	336.9	-618.8	0.0

## TENSIONI (Sz= 0.00) :

Caso   Ve   No   massimi	Sx	Tz	Ty	Si
1- 1   si   2   Sx	72.1	0.0	11.4	74.8
1- 1   si   7   Tz	17.7	-84.6	0.0	147.6
1- 1   si   9   Ty	-36.7	0.0	-57.6	106.3

----- PROGR. 28.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	1255.9	1032.6	336.9	-620.1	0.0

## TENSIONI (Sz= 0.00) :

Caso   Ve   No   massimi	Sx	Tz	Ty	Si
1- 1   si   1   Sx	39.6	0.0	11.4	44.3
1- 1   si   7   Tz	17.7	-84.7	0.0	147.8
1- 1   si   9   Ty	39.6	0.0	-57.7	107.5

----- PROGR. 35.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	5640.4	1032.6	336.9	-621.5	0.0

## TENSIONI (Sz= 0.00) :

Caso   Ve   No   massimi	Sx	Tz	Ty	Si
1- 1   si   1   Sx	116.1	0.0	11.4	117.8
1- 1   si   7   Tz	17.7	-84.9	0.0	148.1
1- 1   si   9   TySi	116.1	0.0	-57.8	153.3

----- PROGR. 42.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	10034.6	1032.6	336.9	-622.9	0.0

## TENSIONI (Sz= 0.00) :

Caso   Ve   No   massimi	Sx	Tz	Ty	Si
1- 1   si   1   Sx	192.8	0.0	11.4	193.8
1- 1   si   7   Tz	17.7	-85.1	0.0	148.4
1- 1   si   9   TySi	192.8	0.0	-57.9	217.3



----- SOLLECITAZIONI : 49.

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	14438.5	1032.6	336.9	-624.2	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	269.6	0.0	11.4	270.4
1-1	si	7	Tz	17.7	-85.2	0.0	148.7
1-1	si	9	TySi	269.6	0.0	-58.0	287.7

----- SOLLECITAZIONI : 56.

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	18852.0	1032.6	336.9	-625.6	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	346.6	0.0	11.4	347.2
1-1	si	7	Tz	17.7	-85.4	0.0	149.0
1-1	si	9	TySi	346.6	0.0	-58.1	361.0

## VERIFICA STABILITA` :

L0 = 56.  
 Z Lc = 56. | Ro = 3.88 | lm = 14.5 | Ncr = 1860685.9 | alfa(a) = 0.2100 | ki = 1.0000  
 Y Lc = 56. | Ro = 3.88 | lm = 14.5 | Ncr = 1860685.9 | alfa(a) = 0.2100 | ki = 1.0000  
 Caso 4-13 - Nodo 1 - Asse Z  
 Ned = -100.6 | Mzeq = 0.0 | Myeq = -5267.1 | Ss = -97.2 ( 0.037)

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 826- 1070 ) 801  
 ----- SOLLECITAZIONI : 0.

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-14106.1	-345.5	712.3	-301.2	3.9
5-10	0.0	-5241.8	-2775.2	179.8	-169.4	3.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	283.6	0.0	3.8	283.7
5-10	si	7	Tz	9.5	-50.8	0.0	88.4
5-10	si	9	Ty	-82.0	0.0	-43.6	111.5
1-1	si	12	Si	283.6	0.0	-26.6	287.3

----- SOLLECITAZIONI : 5.

Caso	MZ	MY	MT	N	TZ	TY
1-1	17.4	-12581.1	-345.5	712.3	-301.2	2.9
5-10	13.4	-4384.6	-2775.2	179.8	-169.4	2.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	257.3	0.0	3.8	257.4
5-10	si	7	Tz	9.2	-50.8	0.0	88.4
5-10	si	9	Ty	-67.2	0.0	-43.6	101.1
1-1	si	12	Si	257.3	0.0	-26.5	261.3

----- SOLLECITAZIONI : 10.

Caso	MZ	MY	MT	N	TZ	TY
1-1	29.8	-11056.0	-345.5	712.3	-301.2	2.0
5-10	22.9	-3527.6	-2775.2	179.8	-169.4	1.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	230.9	0.0	3.8	231.0
5-10	si	7	Tz	9.1	-50.8	0.0	88.4
5-10	si	9	Ty	-52.4	0.0	-43.5	91.8
1-1	si	12	Si	230.8	0.0	-26.5	235.4

----- SOLLECITAZIONI : 15.

Caso	MZ	MY	MT	N	TZ	TY
1-1	37.3	-9531.0	-345.5	712.3	-301.2	1.0
5-10	28.7	-2671.2	-2775.2	179.8	-169.4	0.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	204.4	0.0	3.8	204.5
5-10	si	7	Tz	9.0	-50.8	0.0	88.4
5-10	si	9	Ty	-37.6	0.0	-43.4	84.1
1-1	si	12	Si	204.4	0.0	-26.4	209.4

----- SOLLECITAZIONI : 20.

Caso	MZ	MY	MT	N	TZ	TY
1-1	39.8	-8005.9	-345.5	712.3	-301.2	0.0
5-10	30.6	-1818.0	-2775.2	179.8	-169.4	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	177.9	0.0	3.8	178.0
5-10	si	7	Tz	8.9	-50.8	0.0	88.4
5-10	si	9	Ty	-22.7	0.0	-43.4	78.5
1-1	si	12	Si	177.8	0.0	-26.3	183.5

----- SOLLECITAZIONI : 25.

Caso	MZ	MY	MT	N	TZ	TY
1-1	37.3	-6480.8	-345.5	712.3	-301.2	-1.0
5-10	28.7	-941.6	-2775.2	179.8	-169.4	-0.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	151.2	0.0	3.8	151.4
5-10	si	7	Tz	9.0	-50.8	0.0	88.4
5-10	si	10	Ty	25.4	0.0	43.4	79.4
1-1	si	12	Si	151.1	0.0	-26.2	157.8

----- SOLLECITAZIONI : 30.

Caso	MZ	MY	MT	N	TZ	TY
1-1	29.8	-4955.8	-345.5	712.3	-301.2	-2.0
5-10	22.9	-92.8	-2775.2	179.8	-169.4	-1.5

TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx	Tz	Ty	Si					
1- 1	si	3	Sx	124.5	0.0	3.8	124.6					
5-10	si	7	Tz	9.1	-50.8	0.0	88.4					
5-10	si	10	Ty	10.7	0.0	43.5	76.1					
1- 1	si	12	Si	124.4	0.0	-26.1	132.4					
-----												
PROGR. 35.												
SOLLECITAZIONI :												
Caso		MZ		MY	MT	N	TZ	TY				
1- 1		17.4		-3430.7	-345.5	712.3	-301.2	-2.9				
5-10		13.4		763.4	-2775.2	179.8	-169.4	-2.3				
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx	Tz	Ty	Si					
1- 1	si	3	Sx	97.6	0.0	3.8	97.9					
5-10	si	7	Tz	9.2	-50.8	0.0	88.4					
5-10	si	10	Ty	-4.1	0.0	43.6	75.6					
1- 1	si	12	Si	97.6	0.0	-26.1	107.5					
-----												
PROGR. 40.												
SOLLECITAZIONI :												
Caso		MZ		MY	MT	N	TZ	TY				
1- 1		0.0		-1905.6	-345.5	712.3	-301.2	-3.9				
5-10		0.0		1620.4	-2775.2	179.8	-169.4	-3.0				
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx	Tz	Ty	Si					
1- 1	si	3	Sx	70.7	0.0	3.8	71.0					
5-10	si	7	Tz	9.5	-50.8	0.0	88.4					
5-10	si	10	Ty	-18.8	0.0	43.6	77.9					
-----												
VERIFICA STABILITA` :												
L0 =	40.											
Z	Lc =	40.	Ro =	3.88	lm =	10.4	Ncr=	3621261.8	alfa(a)=	0.2100	ki=	1.0000
Y	Lc =	40.	Ro =	3.88	lm =	10.4	Ncr=	3621261.8	alfa(a)=	0.2100	ki=	1.0000
Caso 4-15 - Nodo 1 - Asse Z												
Ned =	-78.8	Mzeq =	26.5	Myeq =	-3149.5	Ss =	-59.6	( 0.023)				
CASSONE_S001 ( 1) stato limite ultimo - ASTA ( 1070- 1071) 802												
-----												
PROGR. 0.												
SOLLECITAZIONI :												
Caso		MZ		MY	MT	N	TZ	TY				
5- 8		0.0		-1479.6	-31.2	128.2	-3.4	8.9				
1- 1		0.0		-1068.3	-542.7	22.6	-18.4	11.6				
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx	Tz	Ty	Si					
5- 8	si	2	Sx	32.6	0.0	0.3	32.6					
1- 1	si	13	Tz	-15.6	-8.4	0.0	21.3					
1- 1	si	9	Ty	-17.4	0.0	-8.3	22.7					
5- 8	si	6	Si	32.6	0.0	-1.4	32.7					
-----												
PROGR. 15.												
SOLLECITAZIONI :												
Caso		MZ		MY	MT	N	TZ	TY				
5- 8		117.5		-1424.2	-31.2	128.2	-3.4	6.7				
1- 1		152.7		-793.0	-542.7	22.6	-18.4	8.7				
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx	Tz	Ty	Si					
5- 8	si	3	Sx	33.6	0.0	0.3	33.7					
1- 1	si	13	Tz	-13.9	-8.2	0.0	19.9					
1- 1	si	9	Ty	-15.0	0.0	-8.1	20.6					
-----												
PROGR. 30.												
SOLLECITAZIONI :												
Caso		MZ		MY	MT	N	TZ	TY				
5- 8		201.4		-1368.9	-31.2	128.2	-3.4	4.5				
1- 1		261.8		-517.8	-542.7	22.6	-18.4	5.8				
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx	Tz	Ty	Si					
5- 8	si	3	Sx	34.1	0.0	0.3	34.1					
1- 1	si	7	Tz	-3.4	-8.2	0.0	14.6					
1- 1	si	9	Ty	-12.0	0.0	-7.9	18.1					
-----												
PROGR. 45.												
SOLLECITAZIONI :												
Caso		MZ		MY	MT	N	TZ	TY				
5- 7		251.7		-1312.0	-31.2	128.8	-3.4	2.2				
1- 1		327.2		-242.5	-542.7	22.6	-18.4	2.9				
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx	Tz	Ty	Si					
5- 7	si	3	Sx	34.1	0.0	0.3	34.1					
1- 1	si	7	Tz	-4.5	-8.2	0.0	14.9					
1- 1	si	9	Ty	-8.2	0.0	-7.6	15.5					
-----												
PROGR. 60.												
SOLLECITAZIONI :												
Caso		MZ		MY	MT	N	TZ	TY				
5- 5		268.5		-1242.4	-24.2	136.3	-2.1	0.0				
1- 1		349.0		32.7	-542.7	22.6	-18.4	0.0				
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx	Tz	Ty	Si					
5- 5	si	3	Sx	33.5	0.0	0.3	33.5					
1- 1	si	7	Tz	-4.9	-8.2	0.0	15.0					
1- 1	si	9	Ty	-3.7	0.0	-7.4	13.3					
-----												
PROGR. 75.												
SOLLECITAZIONI :												
Caso		MZ		MY	MT	N	TZ	TY				
5- 9		251.7		1339.7	-186.5	97.4	-3.9	-2.2				
1- 1		327.2		308.0	-542.7	22.6	-18.4	-2.9				
5-13		251.7		1338.2	-234.9	97.7	-4.2	-2.2				
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi	Sx	Tz	Ty	Si					
5- 9	si	4	Sx	32.9	0.0	2.1	33.1					
1- 1	si	7	Tz	-4.5	-8.2	0.0	14.9					
1- 1	si	10	Ty	-9.3	0.0	7.6	16.2					

5-13	si	4	Si	32.9	0.0	2.6	33.2	90.
------	----	---	----	------	-----	-----	------	-----

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5-13	201.4	1398.4	-234.9	97.7	-4.2	-4.5
1- 1	261.8	583.2	-542.7	22.6	-18.4	-5.8
5-15	201.4	1421.0	-241.9	90.1	-5.5	-4.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-13	si	4	Sx	33.1	0.0	2.6	33.4
1- 1	si	7	Tz	-3.4	-8.2	0.0	14.6
1- 1	si	10	Ty	-13.1	0.0	7.9	18.9
5-15	si	4	Si	33.0	0.0	2.7	33.4

----- PROGR. 105.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5-15	117.5	1500.0	-241.9	90.1	-5.5	-6.7
1- 1	152.7	858.5	-542.7	22.6	-18.4	-8.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-15	si	4	Sx	33.0	0.0	2.7	33.3
1- 1	si	14	Tz	17.3	-8.2	0.0	22.4
1- 1	si	10	Ty	-16.2	0.0	8.1	21.4
5-15	si	11	Si	32.8	0.0	3.6	33.4

----- PROGR. 120.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5-15	0.0	1579.0	-241.9	90.1	-5.5	-8.9
1- 1	0.0	1133.7	-542.7	22.6	-18.4	-11.6
5-16	0.0	1580.8	-241.9	89.5	-5.5	-8.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-15	si	4	Sx	32.3	0.0	2.7	32.6
1- 1	si	14	Tz	19.0	-8.4	0.0	23.9
1- 1	si	10	Ty	-18.6	0.0	8.3	23.5
5-16	si	11	Si	32.3	0.0	3.8	33.0

-----  
VERIFICA STABILITA` : asta tesa per tutti i casi di carico.

CASSONE\_S001 ( 1) stato limite ultimo - ASTA ( 1071- 827) 803  
----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	1919.8	303.2	-1343.5	-64.1	5.5
5- 2	0.0	-1966.6	-2196.1	-322.8	-94.4	4.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-104.2	0.0	3.4	104.4
5- 2	si	7	Tz	-17.0	-35.5	0.0	63.8
5- 2	si	9	Ty	-51.3	0.0	-31.7	75.2
1- 1	si	12	Si	-104.2	0.0	-8.6	105.3

----- PROGR. 7.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	33.8	2372.4	303.2	-1343.5	-64.1	4.1
5- 2	26.0	-1300.0	-2196.1	-322.8	-94.4	3.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-112.7	0.0	3.4	112.8
5- 2	si	7	Tz	-17.4	-35.5	0.0	63.9
5- 2	si	9	Ty	-40.1	0.0	-31.6	67.9
1- 1	si	10	Si	-112.6	0.0	7.8	113.4

----- PROGR. 14.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	58.0	2825.0	303.2	-1343.5	-64.1	2.7
5- 2	44.6	-633.7	-2196.1	-322.8	-94.4	2.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-121.0	0.0	3.4	121.1
5- 2	si	7	Tz	-17.8	-35.5	0.0	64.0
5- 2	si	9	Ty	-28.7	0.0	-31.5	61.7
1- 1	si	10	Si	-120.9	0.0	7.9	121.7

----- PROGR. 21.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	72.5	3277.6	303.2	-1343.5	-64.1	1.4
5- 2	55.8	31.5	-2196.1	-322.8	-94.4	1.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-129.2	0.0	3.4	129.3
5- 2	si	7	Tz	-18.0	-35.5	0.0	64.0
5- 2	si	9	Ty	-17.3	0.0	-31.5	57.2
1- 1	si	10	Si	-129.0	0.0	8.0	129.8

----- PROGR. 28.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	77.4	3730.2	303.2	-1343.5	-64.1	0.0
5- 2	59.5	717.8	-2196.1	-322.8	-94.4	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-137.1	0.0	3.4	137.3
5- 2	si	7	Tz	-18.0	-35.5	0.0	64.1
5- 2	si	9	Ty	-5.4	0.0	-31.4	54.6
1- 1	si	10	Si	-137.0	0.0	8.1	137.7

----- PROGR. 35.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	72.5	4182.8	303.2	-1343.5	-64.1	-1.4

5- 2			55.8	1369.9	-2196.1	-322.8	-94.4	-1.1
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	2	Sx	-145.0	0.0	3.4	145.1	
5- 2	si	7	Tz	-18.0	-35.5	0.0	64.0	
5- 2	si	10	Ty	-41.8	0.0	31.5	68.7	
1- 1	si	10	Si	-144.8	0.0	8.3	145.5	
								PROGR.

SOLLECITAZIONI : 42.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	58.0	4635.4	303.2	-1343.5	-64.1	-2.7
5- 2	44.6	2035.5	-2196.1	-322.8	-94.4	-2.1

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	2	Sx	-152.6	0.0	3.4	152.7	
5- 2	si	7	Tz	-17.8	-35.5	0.0	64.0	
5- 2	si	10	Ty	-53.2	0.0	31.5	76.3	
1- 1	si	10	Si	-152.5	0.0	8.4	153.2	
								PROGR.

SOLLECITAZIONI : 49.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	33.8	5088.1	303.2	-1343.5	-64.1	-4.1
5- 2	26.0	2701.8	-2196.1	-322.8	-94.4	-3.2

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	2	Sx	-160.1	0.0	3.4	160.2	
5- 2	si	7	Tz	-17.4	-35.5	0.0	63.9	
5- 2	si	10	Ty	-64.5	0.0	31.6	84.7	
1- 1	si	10	Si	-160.0	0.0	8.5	160.7	
								PROGR.

SOLLECITAZIONI : 56.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	5540.7	303.2	-1343.5	-64.1	-5.5
5- 2	0.0	3368.2	-2196.1	-322.8	-94.4	-4.2

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	2	Sx	-167.4	0.0	3.4	167.5	
5- 2	si	7	Tz	-17.0	-35.5	0.0	63.8	
5- 2	si	10	Ty	-75.8	0.0	31.7	93.6	
1- 1	si	10	Si	-167.4	0.0	8.6	168.0	

VERIFICA STABILITA` :

L0 = 56.  
 Z Lc = 56. | Ro = 3.88 | lm = 14.5 | Ncr = 1860685.9 | alfa(a) = 0.2100 | ki = 1.0000  
 Y Lc = 56. | Ro = 3.88 | lm = 14.5 | Ncr = 1860685.9 | alfa(a) = 0.2100 | ki = 1.0000  
 Caso 1- 1 - Nodo 2 - Asse Z  
 Ned = -1343.5 | Mzeq = 67.1 | Myeq = 4849.3 | Ss = -156.5 ( 0.060)

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 1073- 1072 ) 804  
 0.

SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1- 1	0.0	10577.0	140.3	314.5	176.2	0.0		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	201.1	0.0	1.6	201.1	
1- 1	si	7	Tz	16.6	22.4	0.0	42.2	
1- 1	si	10	Ty	-168.0	0.0	-14.7	169.9	
1- 1	si	9	Si	201.1	0.0	14.7	202.7	
								PROGR.

SOLLECITAZIONI : 15.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	7955.5	140.3	314.5	173.3	0.0

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	155.3	0.0	1.6	155.4	
1- 1	si	7	Tz	16.6	22.0	0.0	41.6	
1- 1	si	10	Ty	-122.2	0.0	-14.5	124.8	
1- 1	si	9	Si	155.3	0.0	14.5	157.4	
								PROGR.

SOLLECITAZIONI : 30.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	5377.6	140.3	314.5	170.4	0.0

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	110.4	0.0	1.6	110.4	
1- 1	si	7	Tz	16.6	21.7	0.0	41.1	
1- 1	si	10	Ty	-77.3	0.0	-14.3	81.1	
1- 1	si	11	Si	110.4	0.0	-14.3	113.1	
								PROGR.

SOLLECITAZIONI : 45.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	2843.3	140.3	314.5	167.5	0.0

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	66.2	0.0	1.6	66.2	
1- 1	si	7	Tz	16.6	21.4	0.0	40.5	
1- 1	si	10	Ty	-33.1	0.0	-14.0	41.0	
1- 1	si	11	Si	66.2	0.0	-14.0	70.5	
								PROGR.

SOLLECITAZIONI : 60.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	352.6	140.3	314.5	164.6	0.0

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	22.7	0.0	1.6	22.9	
1- 1	si	7	Tz	16.6	21.0	0.0	40.0	
1- 1	si	10	Ty	10.4	0.0	-13.8	26.1	

1-1   si   8	Si	16.6	21.0	0.0	40.0	75.	
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1-1	0.0	-2094.4	140.3	314.5	161.7	0.0	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1   si   3	Sx			53.1	0.0	1.6	53.2
1-1   si   7	Tz			16.6	20.7	0.0	39.4
1-1   si   10	Ty			53.1	0.0	-13.6	58.1
1-1   si   12	Si			53.1	0.0	13.6	58.1
----- PROGR. 90.							
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1-1	0.0	-4497.8	140.3	314.5	158.8	0.0	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1   si   3	Sx			95.0	0.0	1.6	95.1
1-1   si   7	Tz			16.6	20.3	0.0	38.9
1-1   si   10	Ty			95.0	0.0	-13.4	97.8
1-1   si   12	Si			95.0	0.0	13.4	97.8
----- PROGR. 105.							
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1-1	0.0	-6857.6	140.3	314.5	155.9	0.0	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1   si   3	Sx			136.2	0.0	1.6	136.2
1-1   si   7	Tz			16.6	20.0	0.0	38.4
1-1   si   10	Ty			136.2	0.0	-13.2	138.1
1-1   si   12	Si			136.2	0.0	13.2	138.1
----- PROGR. 120.							
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1-1	0.0	-9173.8	140.3	314.5	153.0	0.0	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1   si   3	Sx			176.6	0.0	1.6	176.6
1-1   si   7	Tz			16.6	19.6	0.0	37.8
1-1   si   10	Ty			176.6	0.0	-13.0	178.0
1-1   si   12	Si			176.6	0.0	13.0	178.0

VERIFICA STABILITA` : asta tesa per tutti i casi di carico.

CASSONE_S001 ( 1 )	stato limite ultimo	- ASTA ( 1072- 852)	805				
----- PROGR.			0.				
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1-1	0.0	-15748.0	-1380.8	581.8	-517.8	0.0	
5-1	0.0	-3224.1	-4380.7	135.7	-102.1	0.0	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1   si   2	Sx			305.4	0.0	15.3	306.5
1-1   si   7	Tz			30.6	-76.5	0.0	136.0
5-1   si   9	Ty			-49.1	0.0	-56.2	109.0
1-1   si   10	Si			305.4	0.0	53.9	319.3
----- PROGR. 7.							
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1-1	0.0	-12085.8	-1380.8	581.8	-519.2	0.0	
5-1	0.0	-2499.6	-4380.7	135.7	-103.1	0.0	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1   si   2	Sx			241.5	0.0	15.3	242.9
1-1   si   7	Tz			30.6	-76.7	0.0	136.3
5-1   si   9	Ty			-36.5	0.0	-56.2	104.0
1-1   si   10	Si			241.5	0.0	54.0	259.0
----- PROGR. 14.							
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1-1	0.0	-8414.0	-1380.8	581.8	-520.6	0.0	
5-1	0.0	-1767.8	-4380.7	135.7	-104.2	0.0	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1   si   2	Sx			177.4	0.0	15.3	179.4
1-1   si   7	Tz			30.6	-76.8	0.0	136.6
5-1   si   9	Ty			-23.7	0.0	-56.3	100.4
1-1   si   10	Si			177.4	0.0	54.1	200.7
----- PROGR. 21.							
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1-1	0.0	-4732.5	-1380.8	581.8	-522.0	0.0	
5-1	0.0	-1028.9	-4380.7	135.7	-105.2	0.0	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1   si   2	Sx			113.2	0.0	15.3	116.3
1-1   si   7	Tz			30.6	-77.0	0.0	136.8
5-1   si   9	Ty			-10.8	0.0	-56.4	98.3
1-1   si   10	Si			113.2	0.0	54.2	147.1
----- PROGR. 28.							
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1-1	0.0	-1041.4	-1380.8	581.8	-523.3	0.0	
5-1	0.0	-288.4	-4380.7	135.7	-106.3	0.0	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1   si   2	Sx			48.8	0.0	15.3	55.5
1-1   si   7	Tz			30.6	-77.2	0.0	137.1
5-1   si   9	Ty			2.1	0.0	-56.5	97.8

-----										PROGR.	35.
SOLLECITAZIONI :											
Caso		MZ		MY		MT		N		TZ	TY
1- 1		0.0		2659.5		-1380.8		581.8		-524.7	0.0
5- 1		0.0		475.6		-4380.7		135.7		-107.3	0.0
TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massimi	Sx		Tz		Ty		Si	
1- 1	si	1	Sx	77.0		0.0		15.3		81.5	
1- 1	si	7	Tz	30.6		-77.3		0.0		137.4	
5- 1	si	9	Ty	15.4		0.0		-56.5		99.2	
-----										PROGR.	42.
SOLLECITAZIONI :											
Caso		MZ		MY		MT		N		TZ	TY
1- 1		0.0		6370.0		-1380.8		581.8		-526.1	0.0
5- 1		0.0		1236.3		-4380.7		135.7		-108.4	0.0
TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massimi	Sx		Tz		Ty		Si	
1- 1	si	1	Sx	141.8		0.0		15.3		144.2	
1- 1	si	7	Tz	30.6		-77.5		0.0		137.7	
5- 1	si	9	Ty	28.7		0.0		-56.6		102.2	
1- 1	si	9	Si	141.8		0.0		-54.5		170.3	
-----										PROGR.	49.
SOLLECITAZIONI :											
Caso		MZ		MY		MT		N		TZ	TY
1- 1		0.0		10090.1		-1380.8		581.8		-527.4	0.0
5- 1		0.0		2005.3		-4380.7		135.7		-109.4	0.0
TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massimi	Sx		Tz		Ty		Si	
1- 1	si	1	Sx	206.7		0.0		15.3		208.4	
1- 1	si	7	Tz	30.6		-77.6		0.0		137.9	
5- 1	si	9	Ty	42.1		0.0		-56.7		106.9	
1- 1	si	9	Si	206.7		0.0		-54.6		227.3	
-----										PROGR.	56.
SOLLECITAZIONI :											
Caso		MZ		MY		MT		N		TZ	TY
1- 1		0.0		13820.0		-1380.8		581.8		-528.8	0.0
5- 1		0.0		2781.8		-4380.7		135.7		-110.5	0.0
TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massimi	Sx		Tz		Ty		Si	
1- 1	si	1	Sx	271.7		0.0		15.3		273.0	
1- 1	si	7	Tz	30.6		-77.8		0.0		138.2	
5- 1	si	9	Ty	55.7		0.0		-56.8		113.0	
1- 1	si	9	Si	271.7		0.0		-54.7		287.8	
-----										PROGR.	56.
VERIFICA STABILITA` : asta tesa per tutti i casi di carico.											
CASSONE_S001 ( 1) stato limite ultimo - ASTA ( 1074- 1075)											806
-----										PROGR.	0.
SOLLECITAZIONI :											
Caso		MZ		MY		MT		N		TZ	TY
1- 1		0.0		7846.4		12.3		189.2		130.5	0.0
TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massimi	Sx		Tz		Ty		Si	
1- 1	si	1	Sx	146.9		0.0		0.1		146.9	
1- 1	si	7	Tz	10.0		15.6		0.0		28.7	
1- 1	si	10	Ty	-126.9		0.0		-9.9		128.1	
1- 1	si	9	Si	146.9		0.0		9.9		147.8	
-----										PROGR.	15.
SOLLECITAZIONI :											
Caso		MZ		MY		MT		N		TZ	TY
1- 1		0.0		5910.0		12.3		189.2		127.6	0.0
TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massimi	Sx		Tz		Ty		Si	
1- 1	si	4	Sx	113.1		0.0		0.1		113.1	
1- 1	si	7	Tz	10.0		15.2		0.0		28.2	
1- 1	si	10	Ty	-93.2		0.0		-9.7		94.6	
1- 1	si	11	Si	113.1		0.0		-9.7		114.3	
-----										PROGR.	30.
SOLLECITAZIONI :											
Caso		MZ		MY		MT		N		TZ	TY
1- 1		0.0		4017.3		12.3		189.2		124.7	0.0
TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massimi	Sx		Tz		Ty		Si	
1- 1	si	4	Sx	80.0		0.0		0.1		80.0	
1- 1	si	7	Tz	10.0		14.9		0.0		27.6	
1- 1	si	10	Ty	-60.1		0.0		-9.4		62.3	
1- 1	si	11	Si	80.0		0.0		-9.4		81.7	
-----										PROGR.	45.
SOLLECITAZIONI :											
Caso		MZ		MY		MT		N		TZ	TY
1- 1		0.0		2168.2		12.3		189.2		121.8	0.0
TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massimi	Sx		Tz		Ty		Si	
1- 1	si	4	Sx	47.8		0.0		0.1		47.8	
1- 1	si	7	Tz	10.0		14.5		0.0		27.1	
1- 1	si	10	Ty	-27.9		0.0		-9.2		32.1	
1- 1	si	11	Si	47.8		0.0		-9.2		50.4	
-----										PROGR.	60.
SOLLECITAZIONI :											
Caso		MZ		MY		MT		N		TZ	TY
5- 5		0.0		258.4		3.8		227.3		31.7	0.0
1- 1		0.0		362.7		12.3		189.2		118.9	0.0
TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massimi	Sx		Tz		Ty		Si	
5- 5	si	1	Sx	16.5		0.0		0.0		16.5	
1- 1	si	7	Tz	10.0		14.2		0.0		26.5	
1- 1	si	10	Ty	3.6		0.0		-9.0		16.0	
1- 1	si	8	Si	10.0		14.2		0.0		26.5	
-----										PROGR.	75.

SOLLECITAZIONI :  
 Caso | MZ | MY | MT | N | TZ | TY |  
 1- 1 | 0.0 | -1399.2 | 12.3 | 189.2 | 116.0 | 0.0 |

TENSIONI (Sz= 0.00) :  
 Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
 1- 1 | si | 3 | Sx | 34.4 | 0.0 | 0.1 | 34.4 |  
 1- 1 | si | 7 | Tz | 10.0 | 13.8 | 0.0 | 26.0 |  
 1- 1 | si | 10 | Ty | 34.4 | 0.0 | -8.8 | 37.6 |  
 1- 1 | si | 12 | Si | 34.4 | 0.0 | 8.8 | 37.6 |

----- PROGR. 90.

SOLLECITAZIONI :  
 Caso | MZ | MY | MT | N | TZ | TY |  
 1- 1 | 0.0 | -3117.4 | 12.3 | 189.2 | 113.1 | 0.0 |

TENSIONI (Sz= 0.00) :  
 Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
 1- 1 | si | 3 | Sx | 64.3 | 0.0 | 0.1 | 64.3 |  
 1- 1 | si | 7 | Tz | 10.0 | 13.5 | 0.0 | 25.4 |  
 1- 1 | si | 10 | Ty | 64.3 | 0.0 | -8.6 | 66.0 |  
 1- 1 | si | 12 | Si | 64.3 | 0.0 | 8.6 | 66.0 |

----- PROGR. 105.

SOLLECITAZIONI :  
 Caso | MZ | MY | MT | N | TZ | TY |  
 1- 1 | 0.0 | -4792.0 | 12.3 | 189.2 | 110.2 | 0.0 |

TENSIONI (Sz= 0.00) :  
 Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
 1- 1 | si | 3 | Sx | 93.6 | 0.0 | 0.1 | 93.6 |  
 1- 1 | si | 7 | Tz | 10.0 | 13.2 | 0.0 | 24.9 |  
 1- 1 | si | 10 | Ty | 93.6 | 0.0 | -8.4 | 94.7 |  
 1- 1 | si | 12 | Si | 93.6 | 0.0 | 8.4 | 94.7 |

----- PROGR. 120.

SOLLECITAZIONI :  
 Caso | MZ | MY | MT | N | TZ | TY |  
 1- 1 | 0.0 | -6423.0 | 12.3 | 189.2 | 107.3 | 0.0 |

TENSIONI (Sz= 0.00) :  
 Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
 1- 1 | si | 3 | Sx | 122.0 | 0.0 | 0.1 | 122.0 |  
 1- 1 | si | 7 | Tz | 10.0 | 12.8 | 0.0 | 24.3 |  
 1- 1 | si | 10 | Ty | 122.0 | 0.0 | -8.1 | 122.8 |  
 1- 1 | si | 12 | Si | 122.0 | 0.0 | 8.1 | 122.8 |

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 VERIFICA STABILITA` : asta tesa per tutti i casi di carico.

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 1075- 853) 807  
 ----- PROGR. 0.

SOLLECITAZIONI :  
 Caso | MZ | MY | MT | N | TZ | TY |  
 1- 1 | 0.0 | -19670.7 | -477.8 | 191.1 | -688.1 | 0.0 |

TENSIONI (Sz= 0.00) :  
 Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
 1- 1 | si | 2 | Sx | 353.3 | 0.0 | 5.3 | 353.4 |  
 1- 1 | si | 7 | Tz | 10.1 | -86.6 | 0.0 | 150.4 |  
 1- 1 | si | 9 | Ty | -333.1 | 0.0 | -56.6 | 347.3 |  
 1- 1 | si | 10 | Si | 353.3 | 0.0 | 56.6 | 366.6 |

----- PROGR. 7.

SOLLECITAZIONI :  
 Caso | MZ | MY | MT | N | TZ | TY |  
 1- 1 | 0.0 | -14806.1 | -477.8 | 191.1 | -689.5 | 0.0 |

TENSIONI (Sz= 0.00) :  
 Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
 1- 1 | si | 2 | Sx | 268.4 | 0.0 | 5.3 | 268.5 |  
 1- 1 | si | 7 | Tz | 10.1 | -86.8 | 0.0 | 150.7 |  
 1- 1 | si | 9 | Ty | -248.3 | 0.0 | -56.7 | 267.0 |  
 1- 1 | si | 10 | Si | 268.4 | 0.0 | 56.7 | 285.8 |

----- PROGR. 14.

SOLLECITAZIONI :  
 Caso | MZ | MY | MT | N | TZ | TY |  
 1- 1 | 0.0 | -9931.9 | -477.8 | 191.1 | -690.8 | 0.0 |

TENSIONI (Sz= 0.00) :  
 Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
 1- 1 | si | 2 | Sx | 183.3 | 0.0 | 5.3 | 183.6 |  
 1- 1 | si | 7 | Tz | 10.1 | -87.0 | 0.0 | 150.9 |  
 1- 1 | si | 9 | Ty | -163.2 | 0.0 | -56.8 | 190.6 |  
 1- 1 | si | 10 | Si | 183.3 | 0.0 | 56.8 | 208.1 |

----- PROGR. 21.

SOLLECITAZIONI :  
 Caso | MZ | MY | MT | N | TZ | TY |  
 1- 1 | 0.0 | -5047.9 | -477.8 | 191.1 | -692.2 | 0.0 |

TENSIONI (Sz= 0.00) :  
 Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
 1- 1 | si | 2 | Sx | 98.1 | 0.0 | 5.3 | 98.6 |  
 1- 1 | si | 7 | Tz | 10.1 | -87.1 | 0.0 | 151.2 |  
 1- 1 | si | 9 | Ty | -78.0 | 0.0 | -56.9 | 125.7 |

----- PROGR. 28.

SOLLECITAZIONI :  
 Caso | MZ | MY | MT | N | TZ | TY |  
 1- 1 | 0.0 | -154.3 | -477.8 | 191.1 | -693.6 | 0.0 |

TENSIONI (Sz= 0.00) :  
 Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
 1- 1 | si | 2 | Sx | 12.8 | 0.0 | 5.3 | 15.7 |  
 1- 1 | si | 7 | Tz | 10.1 | -87.3 | 0.0 | 151.5 |  
 1- 1 | si | 9 | Ty | 7.4 | 0.0 | -57.0 | 99.0 |

----- PROGR. 35.

SOLLECITAZIONI :  
 Caso | MZ | MY | MT | N | TZ | TY |  
 1- 1 | 0.0 | 4748.9 | -477.8 | 191.1 | -695.0 | 0.0 |

TENSIONI (Sz= 0.00) :  
 Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
 1- 1 | si | 1 | Sx | 92.9 | 0.0 | 5.3 | 93.4 |  
 1- 1 | si | 7 | Tz | 10.1 | -87.4 | 0.0 | 151.8 |

1-1	si	9	Ty	92.9	0.0	-57.1	135.7	42.
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SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	9661.9	-477.8	191.1	-696.3	0.0

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	178.6	0.0	5.3	178.9
1-1	si	7	Tz	10.1	-87.6	0.0	152.1
1-1	si	9	TySi	178.6	0.0	-57.2	204.3

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	14584.5	-477.8	191.1	-697.7	0.0

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	264.5	0.0	5.3	264.7
1-1	si	7	Tz	10.1	-87.8	0.0	152.3
1-1	si	9	TySi	264.5	0.0	-57.3	282.5

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	19516.8	-477.8	191.1	-699.1	0.0

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	350.6	0.0	5.3	350.7
1-1	si	7	Tz	10.1	-87.9	0.0	152.6
1-1	si	9	TySi	350.6	0.0	-57.4	364.4

VERIFICA STABILITA` :

L0 =	56.
Z	Lc = 56.   Ro = 3.88   lm = 14.5   Ncr = 1860685.9   alfa(a) = 0.2100   ki = 1.0000
Y	Lc = 56.   Ro = 3.88   lm = 14.5   Ncr = 1860685.9   alfa(a) = 0.2100   ki = 1.0000
Caso 4-13 - Nodo 1 - Asse Z	
Ned =	-23.4   Mzeq = 0.0   Myeq = -1376.0   Ss = -25.2 ( 0.010)

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 1070- 1073 ) 808  
 ----- PROGR. 0.

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1-1	12232.6	-1398.5	132.2	2500.5	-5.4	-81.4

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx Si	369.4	0.0	1.5	369.4
1-1	si	14	Tz	323.1	-8.0	0.0	323.4
1-1	si	5	Ty	107.2	0.0	11.1	108.9

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1-1	10604.9	-1291.4	132.2	2500.5	-5.4	-81.4

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx Si	339.2	0.0	1.5	339.2
1-1	si	14	Tz	296.3	-8.0	0.0	296.7
1-1	si	5	Ty	109.1	0.0	11.1	110.8

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1-1	8977.1	-1184.4	132.2	2500.5	-5.4	-81.4

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx Si	308.9	0.0	1.5	308.9
1-1	si	14	Tz	269.6	-8.0	0.0	270.0
1-1	si	5	Ty	110.9	0.0	11.1	112.6

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1-1	7349.4	-1077.4	132.2	2500.5	-5.4	-81.4

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx Si	278.6	0.0	1.5	278.6
1-1	si	14	Tz	242.9	-8.0	0.0	243.3
1-1	si	5	Ty	112.8	0.0	11.1	114.4

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1-1	5721.7	-970.3	132.2	2500.5	-5.4	-81.4

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx Si	248.4	0.0	1.5	248.4
1-1	si	14	Tz	216.2	-8.0	0.0	216.6
1-1	si	5	Ty	114.7	0.0	11.1	116.3

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1-1	4094.0	-863.3	132.2	2500.5	-5.4	-81.4

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx Si	218.1	0.0	1.5	218.1
1-1	si	14	Tz	189.5	-8.0	0.0	190.0
1-1	si	5	Ty	116.5	0.0	11.1	118.1

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1-1	2466.2	-756.2	132.2	2500.5	-5.4	-81.4

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx Si	187.8	0.0	1.5	187.8









## Posto di Controllo Centralizzato - Relazione di calcolo – Scala metallica e vano ascensore

1-1	si	13	Tz	-204.8	-10.9	0.0	205.7					
1-1	si	5	Ty	-78.4	0.0	-14.6	82.4					
							PROGR.	180.				
SOLLECITAZIONI :												
Caso		MZ		MY		MT		N		TZ		TY
1-1		9542.2		-1964.1		328.3		-807.1		-4.2		93.0
TENSIONI (Sz= 0.00) :												
1-1	si	1	Sx	-243.2	0.0	0.0	3.6	243.3				
1-1	si	13	Tz	-239.8	-10.9	0.0	0.0	240.5				
1-1	si	5	Ty	-76.7	0.0	-14.6	0.0	80.8				
							PROGR.					
VERIFICA STABILITA` :												
L0 =	180.											
Z Lc =	180.	Ro =	3.88	lm =	46.3	Ncr =	183326.4	alfa(a) =	0.2100	ki =	0.9134	
Y Lc =	180.	Ro =	3.88	lm =	46.3	Ncr =	183326.4	alfa(a) =	0.2100	ki =	0.9134	
Caso 4-1 - Nodo 1 - Asse Z												
Ned =	-613.9	Mzeq =	7459.6	Myeq =	-1682.9	Ss =	-195.4	(	0.075)			
CASSONE_S001 ( 1 ) stato limite ultimo - ASTA ( 1078- 1080)										812		
							PROGR.	0.				
SOLLECITAZIONI :												
Caso		MZ		MY		MT		N		TZ		TY
1-1		27967.8		-1408.5		328.3		-916.0		-4.2		-320.1
TENSIONI (Sz= 0.00) :												
1-1	si	1	Sx	-560.7	0.0	0.0	3.6	560.8				
1-1	si	14	Tz	417.6	-27.9	0.0	0.0	420.4				
1-1	si	5	Ty	-72.8	0.0	0.0	41.5	102.3				
							PROGR.				17.	
SOLLECITAZIONI :												
Caso		MZ		MY		MT		N		TZ		TY
1-1		22566.5		-1337.7		328.3		-916.0		-4.2		-320.1
TENSIONI (Sz= 0.00) :												
1-1	si	1	Sx	-465.3	0.0	0.0	3.6	465.3				
1-1	si	14	Tz	324.5	-27.9	0.0	0.0	328.1				
1-1	si	5	Ty	-71.6	0.0	0.0	41.5	101.4				
1-1	si	13	Si	-462.9	27.2	0.0	0.0	465.3				
							PROGR.				34.	
SOLLECITAZIONI :												
Caso		MZ		MY		MT		N		TZ		TY
1-1		17165.1		-1266.9		328.3		-916.0		-4.2		-320.1
TENSIONI (Sz= 0.00) :												
1-1	si	1	Sx	-369.8	0.0	0.0	3.6	369.8				
1-1	si	14	Tz	231.4	-27.9	0.0	0.0	236.4				
1-1	si	5	Ty	-70.3	0.0	0.0	41.5	100.5				
1-1	si	13	Si	-367.6	27.2	0.0	0.0	370.6				
							PROGR.				51.	
SOLLECITAZIONI :												
Caso		MZ		MY		MT		N		TZ		TY
1-1		11763.8		-1196.0		328.3		-916.0		-4.2		-320.1
TENSIONI (Sz= 0.00) :												
1-1	si	1	Sx	-274.3	0.0	0.0	3.6	274.4				
1-1	si	14	Tz	138.2	-27.9	0.0	0.0	146.4				
1-1	si	5	Ty	-69.1	0.0	0.0	41.5	99.7				
1-1	si	13	Si	-272.2	27.2	0.0	0.0	276.3				
							PROGR.				68.	
SOLLECITAZIONI :												
Caso		MZ		MY		MT		N		TZ		TY
1-1		6362.4		-1125.2		328.3		-916.0		-4.2		-320.1
TENSIONI (Sz= 0.00) :												
1-1	si	1	Sx	-178.8	0.0	0.0	3.6	179.0				
1-1	si	14	Tz	45.1	-27.9	0.0	0.0	66.1				
1-1	si	5	Ty	-67.8	0.0	0.0	41.5	98.8				
1-1	si	13	Si	-176.9	27.2	0.0	0.0	183.0				
							PROGR.				84.	
SOLLECITAZIONI :												
Caso		MZ		MY		MT		N		TZ		TY
4-3		4783.6		1580.1		-47.7		-391.0		4.1		-24.5
1-1		961.1		-1054.4		328.3		-916.0		-4.2		-320.1
TENSIONI (Sz= 0.00) :												
4-3	si	2	Sx	-131.6	0.0	0.0	0.5	131.6				
1-1	si	14	Tz	-48.0	-27.9	0.0	0.0	68.1				
1-1	si	5	Ty	-66.6	0.0	0.0	41.5	98.0				
							PROGR.				101.	
SOLLECITAZIONI :												
Caso		MZ		MY		MT		N		TZ		TY
4-14		-6183.0		-1772.5		176.1		-271.5		-5.2		-88.4
1-1		-4440.3		-983.6		328.3		-916.0		-4.2		-320.1
TENSIONI (Sz= 0.00) :												
4-14	si	4	Sx	-153.1	0.0	0.0	2.0	153.1				
1-1	si	14	Tz	-141.1	-27.9	0.0	0.0	149.1				
1-1	si	5	Ty	-65.4	0.0	0.0	41.5	97.1				
							PROGR.				118.	
SOLLECITAZIONI :												
Caso		MZ		MY		MT		N		TZ		TY
1-1		-9841.6		-912.7		328.3		-916.0		-4.2		-320.1
TENSIONI (Sz= 0.00) :												
1-1	si	4	Sx	-235.8	0.0	0.0	3.6	235.9				



TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-103.2	0.0	14.2	106.1
1-1	si	14	Tz	-97.6	46.2	0.0	126.2
1-1	si	10	Ty	8.4	0.0	-47.2	82.2
1-1	si	11	Si	-103.2	0.0	-47.2	131.6

VERIFICA STABILITA` :

L0 = 57. |  
 Z |Lc = 57. |Ro = 3.88 |Im = 14.7 |Ncr= 1828185.5 |alfa(a)=0.2100 |ki=1.0000 |  
 Y |Lc = 57. |Ro = 3.88 |Im = 14.7 |Ncr= 1828185.5 |alfa(a)=0.2100 |ki=1.0000 |  
 Caso 1- 1 - Nodo 3 - Asse Z  
 Ned = -900.5 |Mzeq = -9145.8 |Myeq = 2033.6 |Ss = -242.5 ( 0.093)

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 1078- 1079) 814  
 0. PROGR.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	16500.7	512.7	-442.4	268.6	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-311.2	0.0	5.7	311.3
1-1	si	7	Tz	-23.3	37.4	0.0	68.9
1-1	si	9	Ty	264.6	0.0	25.7	268.3
1-1	si	10	Si	-311.2	0.0	-25.7	314.3

PROGR. 15.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	12494.2	512.7	-442.4	265.6	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	-241.3	0.0	5.7	241.5
1-1	si	7	Tz	-23.3	37.1	0.0	68.3
1-1	si	9	Ty	194.7	0.0	25.5	199.6
1-1	si	12	Si	-241.3	0.0	25.5	245.3

PROGR. 30.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	8531.3	512.7	-442.4	262.7	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	-172.1	0.0	5.7	172.4
1-1	si	7	Tz	-23.3	36.7	0.0	67.8
1-1	si	9	Ty	125.6	0.0	25.3	133.0
1-1	si	12	Si	-172.1	0.0	25.3	177.6

PROGR. 45.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	4612.1	512.7	-442.4	259.8	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	-103.7	0.0	5.7	104.2
1-1	si	7	Tz	-23.3	36.4	0.0	67.2
1-1	si	9	Ty	57.2	0.0	25.1	71.8
1-1	si	12	Si	-103.7	0.0	25.1	112.5

PROGR. 60.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	736.4	512.7	-442.4	256.9	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	-36.1	0.0	5.7	37.4
1-1	si	7	Tz	-23.3	36.0	0.0	66.6
1-1	si	9	Ty	-10.4	0.0	24.8	44.3
1-1	si	8	Si	-23.3	36.0	0.0	66.6

PROGR. 75.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-3095.6	512.7	-442.4	254.0	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	4	Sx	-77.3	0.0	5.7	77.9
1-1	si	7	Tz	-23.3	35.7	0.0	66.1
1-1	si	9	Ty	-77.3	0.0	24.6	88.3
1-1	si	11	Si	-77.3	0.0	-24.6	88.3

PROGR. 90.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-6883.9	512.7	-442.4	251.1	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	4	Sx	-143.4	0.0	5.7	143.7
1-1	si	7	Tz	-23.3	35.4	0.0	65.5
1-1	si	9	Ty	-143.4	0.0	24.4	149.5
1-1	si	11	Si	-143.4	0.0	-24.4	149.5

PROGR. 105.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-10628.7	512.7	-442.4	248.2	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	4	Sx	-208.7	0.0	5.7	209.0
1-1	si	7	Tz	-23.3	35.0	0.0	65.0
1-1	si	9	TySi	-208.7	0.0	24.2	212.9

PROGR. 120.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	-14329.8	512.7	-442.4	245.3	0.0

TENSIONI (S <sub>z</sub> = 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	4	Sx	-273.3	0.0	5.7	273.5
1-1	si	7	Tz	-23.3	34.7	0.0	64.4
1-1	si	9	Ty	-273.3	0.0	24.0	276.4
1-1	si	11	Si	-273.3	0.0	-24.0	276.4
-----							
VERIFICA STABILITA` :							
L0	=	120.					
Z	Lc	=	120.	Ro = 3.88	lm = 30.9	Ncr = 412484.4	alfa(a) = 0.2100   ki = 0.9640
Y	Lc	=	120.	Ro = 3.88	lm = 30.9	Ncr = 412484.4	alfa(a) = 0.2100   ki = 0.9640
Caso 1-1 - Nodo 3 - Asse Z							
Ned = -442.4   Mzeq = 0.0   Myeq = 12375.5   Ss = -240.3 ( 0.092)							
CASSONE_S001 ( 1 ) stato limite ultimo - ASTA ( 1079- 856) 815							
----- PROGR. 0.							
SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1-1		0.0	9216.5	20.9	-45.8	494.8	0.0
5-12		0.0	4284.7	-3006.2	-23.6	191.7	0.0
TENSIONI (S <sub>z</sub> = 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-163.2	0.0	0.2	163.2
1-1	si	7	Tz	-2.4	58.7	0.0	101.7
5-12	si	9	Ty	73.5	0.0	47.6	110.5
1-1	si	10	Si	-163.2	0.0	-37.1	175.4
----- PROGR. 7.							
SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1-1		0.0	5726.8	20.9	-45.8	493.4	0.0
5-12		0.0	2935.0	-3006.2	-23.6	190.7	0.0
TENSIONI (S <sub>z</sub> = 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	-102.3	0.0	0.2	102.3
1-1	si	7	Tz	-2.4	58.6	0.0	101.5
5-12	si	9	Ty	50.0	0.0	47.5	96.3
1-1	si	10	Si	-102.3	0.0	-37.0	120.8
----- PROGR. 14.							
SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
4-13		0.0	3090.5	593.4	-64.7	307.4	0.0
1-1		0.0	2246.7	20.9	-45.8	492.1	0.0
5-12		0.0	1593.4	-3006.2	-23.6	189.6	0.0
TENSIONI (S <sub>z</sub> = 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-13	si	2	Sx	-57.3	0.0	6.6	58.4
1-1	si	7	Tz	-2.4	58.4	0.0	101.2
5-12	si	9	Ty	26.6	0.0	47.5	86.4
----- PROGR. 21.							
SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1-1		0.0	-1223.7	20.9	-45.8	490.7	0.0
5-12		0.0	262.8	-3006.2	-23.6	188.6	0.0
TENSIONI (S <sub>z</sub> = 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-23.8	0.0	0.2	23.8
1-1	si	7	Tz	-2.4	58.2	0.0	100.9
5-12	si	9	Ty	3.3	0.0	47.4	82.1
----- PROGR. 28.							
SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1-1		0.0	-4684.4	20.9	-45.8	489.3	0.0
5-12		0.0	-1095.6	-3006.2	-23.6	187.5	0.0
TENSIONI (S <sub>z</sub> = 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-84.1	0.0	0.2	84.1
1-1	si	7	Tz	-2.4	58.1	0.0	100.6
5-12	si	9	Ty	-20.4	0.0	47.3	84.4
1-1	si	9	Si	-84.1	0.0	36.7	105.5
----- PROGR. 35.							
SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1-1		0.0	-8135.4	20.9	-45.8	488.0	0.0
5-12		0.0	-2399.5	-3006.2	-23.6	186.5	0.0
TENSIONI (S <sub>z</sub> = 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-144.3	0.0	0.2	144.3
1-1	si	7	Tz	-2.4	57.9	0.0	100.3
5-12	si	9	Ty	-43.1	0.0	47.2	92.4
1-1	si	9	Si	-144.3	0.0	36.6	157.7
----- PROGR. 42.							
SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1-1		0.0	-11576.7	20.9	-45.8	486.6	0.0
5-12		0.0	-3710.4	-3006.2	-23.6	185.4	0.0
TENSIONI (S <sub>z</sub> = 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-204.4	0.0	0.2	204.4
1-1	si	7	Tz	-2.4	57.7	0.0	100.1
5-12	si	9	Ty	-66.0	0.0	47.1	105.0
1-1	si	9	Si	-204.4	0.0	36.5	214.0
----- PROGR. 49.							
SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1-1		0.0	-15008.4	20.9	-45.8	485.2	0.0
5-12		0.0	-5015.2	-3006.2	-23.6	184.4	0.0
TENSIONI (S <sub>z</sub> = 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si

## Posto di Controllo Centralizzato - Relazione di calcolo - Scala metallica e vano ascensore

1-1	si	1	Sx	-264.3	0.0	0.2	264.3
1-1	si	7	Tz	-2.4	57.6	0.0	99.8
5-12	si	9	Ty	-88.7	0.0	47.1	120.5
1-1	si	9	Si	-264.3	0.0	36.4	271.7

-----  
PROGR. 56.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1-1		0.0		-18430.4		20.9		-45.8		483.8		0.0
5-12		0.0		-6313.0		-3006.2		-23.6		183.3		0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx		Tz		Ty		Si		
1-1	si	1	Sx	-324.0		0.0		0.2		324.0		
1-1	si	7	Tz	-2.4		57.4		0.0		99.5		
5-12	si	9	Ty	-111.4		0.0		47.0		137.9		
1-1	si	9	Si	-324.0		0.0		36.3		330.0		

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## VERIFICA STABILITA' :

L0 = 56. |  
Z | Lc = 56. | Ro = 3.88 | lm = 14.5 | Ncr = 1860685.9 | alfa(a) = 0.2100 | ki = 1.0000 |  
Y | Lc = 56. | Ro = 3.88 | lm = 14.5 | Ncr = 1860685.9 | alfa(a) = 0.2100 | ki = 1.0000 |  
Caso 1-1 - Nodo 1 - Asse Z  
Ned = -45.8 | Mzeq = 0.0 | Myeq = -13822.8 | Ss = -243.6 ( 0.093)

CASSONE\_S001 ( 1) stato limite ultimo - ASTA ( 1080- 1081) 816  
-----  
PROGR. 0.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1-1		0.0		10344.2		-194.7		608.4		119.6		11.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx		Tz		Ty		Si		
1-1	si	1	Sx	212.5		0.0		2.2		212.5		
1-1	si	7	Tz	32.0		16.3		0.0		42.7		
1-1	si	10	Ty	-148.5		0.0		-12.0		149.9		
1-1	si	11	Si	212.5		0.0		-12.0		213.5		

-----  
PROGR. 15.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1-1		152.7		8549.6		-194.7		608.4		119.6		8.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx		Tz		Ty		Si		
1-1	si	4	Sx	183.8		0.0		2.2		183.9		
1-1	si	7	Tz	29.4		16.3		0.0		40.7		
1-1	si	10	Ty	-119.5		0.0		-11.8		121.3		
1-1	si	11	Si	183.6		0.0		-11.8		184.7		

-----  
PROGR. 30.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1-1		261.8		6754.9		-194.7		608.4		119.6		5.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx		Tz		Ty		Si		
1-1	si	4	Sx	154.4		0.0		2.2		154.5		
1-1	si	7	Tz	27.5		16.3		0.0		39.4		
1-1	si	10	Ty	-89.9		0.0		-11.6		92.1		
1-1	si	11	Si	154.0		0.0		-11.6		155.3		

-----  
PROGR. 45.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1-1		327.2		4960.3		-194.7		608.4		119.6		2.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx		Tz		Ty		Si		
1-1	si	4	Sx	124.3		0.0		2.2		124.3		
1-1	si	7	Tz	26.3		16.3		0.0		38.6		
1-1	si	10	Ty	-59.7		0.0		-11.3		62.8		
1-1	si	11	Si	123.7		0.0		-11.3		125.2		

-----  
PROGR. 60.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1-1		349.0		3165.7		-194.7		608.4		119.6		0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx		Tz		Ty		Si		
1-1	si	4	Sx	93.3		0.0		2.2		93.4		
1-1	si	7	Tz	25.9		16.3		0.0		38.3		
1-1	si	10	Ty	-28.7		0.0		-11.1		34.5		
1-1	si	11	Si	92.7		0.0		-11.1		94.7		

-----  
PROGR. 75.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1-1		327.2		1371.0		-194.7		608.4		119.6		-2.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx		Tz		Ty		Si		
1-1	si	4	Sx	61.6		0.0		2.2		61.8		
1-1	si	7	Tz	26.3		16.3		0.0		38.6		
1-1	si	9	Ty	50.8		0.0		11.3		54.5		
1-1	si	11	Si	61.1		0.0		-10.8		63.9		

-----  
PROGR. 90.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1-1		261.8		-423.6		-194.7		608.4		119.6		-5.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx		Tz		Ty		Si		
1-1	si	3	Sx	44.0		0.0		2.2		44.1		
1-1	si	7	Tz	27.5		16.3		0.0		39.4		
1-1	si	9	Ty	20.5		0.0		11.6		28.7		
1-1	si	16	Si	43.2		12.5		0.0		48.4		

-----  
PROGR. 105.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1-1		152.7		-2218.2		-194.7		608.4		119.6		-8.7



TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	73.4	0.0	2.2	73.5
1- 1	si	7	Tz	29.4	16.3	0.0	40.7
1- 1	si	9	Ty	-9.1	0.0	11.8	22.4
1- 1	si	12	Si	73.1	0.0	11.8	75.9

PROGR. 120.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	0.0	-4012.9	-194.7	608.4	119.6	-11.6	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	102.0	0.0	2.2	102.1
1- 1	si	7	Tz	32.0	16.3	0.0	42.7
1- 1	si	9	Ty	-38.0	0.0	12.0	43.3
1- 1	si	12	Si	102.0	0.0	12.0	104.1

VERIFICA STABILITA` : asta tesa per tutti i casi di carico.

CASSONE_S001 ( 1 ) stato limite ultimo - ASTA ( 1081- 829) 817							
							0.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
4- 9	0.0	-3326.9	161.0	-111.1	96.2	4.2	
1- 1	0.0	-2910.9	-552.0	2.1	208.3	5.5	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4- 9	si	1	Sx	-63.9	0.0	1.8	64.0
1- 1	si	7	Tz	0.1	30.7	0.0	53.2
1- 1	si	10	Ty	50.9	0.0	-22.1	63.7
4- 9	si	11	Si	-63.9	0.0	-9.3	65.9

PROGR. 7.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	33.8	-4382.3	-552.0	2.1	208.3	4.1	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	77.2	0.0	6.1	77.9
1- 1	si	7	Tz	-0.5	30.7	0.0	53.3
1- 1	si	10	Ty	76.0	0.0	-22.0	85.0
1- 1	si	12	Si	77.1	0.0	21.3	85.5

PROGR. 14.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	58.0	-5853.7	-552.0	2.1	208.3	2.7	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	103.3	0.0	6.1	103.8
1- 1	si	7	Tz	-0.9	30.7	0.0	53.3
1- 1	si	10	Ty	101.3	0.0	-21.9	108.2
1- 1	si	12	Si	103.1	0.0	21.4	109.6

PROGR. 21.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	72.5	-7325.1	-552.0	2.1	208.3	1.4	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	129.2	0.0	6.1	129.6
1- 1	si	7	Tz	-1.2	30.7	0.0	53.3
1- 1	si	10	Ty	126.8	0.0	-21.8	132.3
1- 1	si	12	Si	129.0	0.0	21.5	134.3

PROGR. 28.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	77.4	-8796.5	-552.0	2.1	208.3	0.0	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	154.9	0.0	6.1	155.3
1- 1	si	7	Tz	-1.2	30.7	0.0	53.3
1- 1	si	9	Ty	-154.6	0.0	21.7	159.1
1- 1	si	12	Si	154.8	0.0	21.7	159.3

PROGR. 35.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	72.5	-10267.9	-552.0	2.1	208.3	-1.4	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	180.5	0.0	6.1	180.8
1- 1	si	7	Tz	-1.2	30.7	0.0	53.3
1- 1	si	9	Ty	-180.2	0.0	21.8	184.1
1- 1	si	12	Si	180.4	0.0	21.8	184.3

PROGR. 42.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	58.0	-11739.3	-552.0	2.1	208.3	-2.7	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	205.9	0.0	6.1	206.2
1- 1	si	7	Tz	-0.9	30.7	0.0	53.3
1- 1	si	9	Ty	-205.6	0.0	21.9	209.1
1- 1	si	12	Si	205.8	0.0	21.9	209.3

PROGR. 49.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	33.8	-13210.7	-552.0	2.1	208.3	-4.1	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	231.2	0.0	6.1	231.4
1- 1	si	7	Tz	-0.5	30.7	0.0	53.3

## Posto di Controllo Centralizzato - Relazione di calcolo – Scala metallica e vano ascensore

1- 1	si	9	Ty	-230.9	0.0	22.0	234.0
1- 1	si	12	Si	231.1	0.0	22.0	234.2

----- PROGR. 56.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-14682.1	-552.0	2.1	208.3	-5.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	256.3	0.0	6.1	256.5
1- 1	si	7	Tz	0.1	30.7	0.0	53.2
1- 1	si	9	Ty	-256.0	0.0	22.1	258.9
1- 1	si	12	Si	256.3	0.0	22.1	259.1

## VERIFICA STABILITA` :

L0 =	56.
Z	Lc = 56.   Ro = 3.88   lm = 14.5   Ncr= 1860685.9   alfa(a )=0.2100   ki=1.0000
Y	Lc = 56.   Ro = 3.88   lm = 14.5   Ncr= 1860685.9   alfa(a )=0.2100   ki=1.0000
Caso 4- 9	- Nodo 1 - Asse Z
Ned =	-111.1   Mzeq = 51.6   Myeq = -7694.8   Ss = -141.0 ( 0.054)

CASSONE\_S001 ( 1) stato limite ultimo - ASTA ( 1070- 1082) 822  
----- PROGR. 0.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-2094.5	-82.9	3019.6	-20.1	5.8
5-10	0.0	-2483.2	-1092.4	563.8	-22.5	4.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	195.5	0.0	0.9	195.5
5-10	si	7	Tz	29.7	-14.8	0.0	39.2
5-10	si	9	Ty	-13.7	0.0	-14.2	28.1
1- 1	si	12	Si	195.5	0.0	-2.9	195.5

----- PROGR. 12.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	63.6	-1843.7	-82.9	3021.5	-20.1	4.4
5-10	48.9	-2207.8	-1092.4	565.3	-22.5	3.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	192.3	0.0	0.9	192.3
5-10	si	7	Tz	28.9	-14.8	0.0	38.6
5-10	si	9	Ty	-9.5	0.0	-14.1	26.2

----- PROGR. 25.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	109.1	-1592.9	-82.9	3023.4	-20.1	2.9
5-10	83.9	-1932.9	-1092.4	566.8	-22.5	2.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	188.8	0.0	0.9	188.8
5-10	si	7	Tz	28.4	-14.8	0.0	38.2
5-10	si	9	Ty	-5.2	0.0	-14.0	24.7

----- PROGR. 38.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	136.3	-1342.0	-82.9	3025.4	-20.1	1.5
5-10	104.9	-1658.8	-1092.4	568.3	-22.5	1.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	185.0	0.0	0.9	185.0
5-10	si	7	Tz	28.1	-14.8	0.0	38.0
5-10	si	9	Ty	-0.7	0.0	-13.9	24.0

----- PROGR. 50.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	145.4	-1091.2	-82.9	3027.3	-20.1	0.0
5-10	111.9	-1385.7	-1092.4	569.8	-22.5	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	180.9	0.0	0.9	180.9
5-10	si	7	Tz	28.0	-14.8	0.0	37.9
5-10	si	9	Ty	4.1	0.0	-13.8	24.2

----- PROGR. 62.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	136.3	-840.4	-82.9	3029.2	-20.1	-1.5
5-10	104.9	-1114.5	-1092.4	571.3	-22.5	-1.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	176.5	0.0	0.9	176.5
5-10	si	7	Tz	28.2	-14.8	0.0	38.1
5-10	si	10	Ty	47.9	0.0	13.9	53.6

----- PROGR. 75.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	109.1	-589.5	-82.9	3031.2	-20.1	-2.9
5-10	83.9	-846.5	-1092.4	572.7	-22.5	-2.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	171.7	0.0	0.9	171.7
5-10	si	7	Tz	28.7	-14.8	0.0	38.4
5-10	si	10	Ty	43.6	0.0	14.0	49.9

----- PROGR. 88.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	63.6	-338.7	-82.9	3033.1	-20.1	-4.4
5-10	48.9	-585.2	-1092.4	574.2	-22.5	-3.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	166.7	0.0	0.9	166.7
5-10	si	7	Tz	29.4	-14.8	0.0	38.9
5-10	si	10	Ty	39.7	0.0	14.1	46.5

PROGR. 100.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-87.9	-82.9	3035.1	-20.1	-5.8
5-10	0.0	-340.0	-1092.4	575.7	-22.5	-4.5

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	161.3	0.0	0.9	161.3
5-10	si	7	Tz	30.3	-14.8	0.0	39.6
5-10	si	10	Ty	36.2	0.0	14.2	43.7
1- 1	si	10	Si	161.3	0.0	2.9	161.4

## VERIFICA STABILITA` :

L0 = 100.  
 Z | Lc = 100. | Ro = 3.88 | lm = 25.7 | Ncr = 593977.5 | alfa(a) = 0.2100 | ki = 0.9783 |  
 Y | Lc = 100. | Ro = 3.88 | lm = 25.7 | Ncr = 593977.5 | alfa(a) = 0.2100 | ki = 0.9783 |  
 Caso 4-16 - Nodo 1 - Asse Z  
 Ned = -173.0 | Mzeq = 96.9 | Myeq = -861.2 | Ss = -26.0 ( 0.010 )

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 1072- 1083 ) 828  
 PROGR. 0.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-202.9	-125.6	-2095.5	-2.1	6.4
5- 2	0.0	-1000.8	-511.5	-692.3	-14.6	4.1

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-113.8	0.0	1.4	113.9
5- 2	si	7	Tz	-36.4	-7.4	0.0	38.6
5- 2	si	9	Ty	-53.9	0.0	-7.1	55.3
1- 1	si	5	Si	-113.8	0.0	-2.1	113.9

PROGR. 12.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	66.2	-178.0	-125.6	-2093.8	-2.1	4.9
5- 2	40.9	-832.4	-511.5	-690.9	-14.6	2.9

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-114.5	0.0	1.4	114.5
5- 2	si	7	Tz	-37.1	-7.4	0.0	39.2
5- 2	si	9	Ty	-51.5	0.0	-7.0	52.9

PROGR. 23.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	115.4	-153.1	-125.6	-2092.0	-2.1	3.5
5- 2	68.8	-665.0	-511.5	-689.6	-14.6	1.8

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-114.8	0.0	1.4	114.8
5- 2	si	7	Tz	-37.5	-7.4	0.0	39.6
5- 2	si	9	Ty	-49.0	0.0	-6.9	50.4

PROGR. 35.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	147.5	-128.3	-125.6	-2090.3	-2.1	2.0
5- 2	83.5	-499.9	-511.5	-688.3	-14.6	0.7

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-114.8	0.0	1.4	114.9
5- 2	si	7	Tz	-37.7	-7.4	0.0	39.8
5- 2	si	9	Ty	-46.3	0.0	-6.8	47.7

PROGR. 47.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	162.6	-103.4	-125.6	-2088.5	-2.1	0.6
5- 2	85.1	-339.1	-511.5	-686.9	-14.6	-0.4

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-114.6	0.0	1.4	114.6
5- 2	si	7	Tz	-37.6	-7.4	0.0	39.8
5- 2	si	10	Ty	-31.6	0.0	6.8	33.7

PROGR. 59.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	160.7	-78.6	-125.6	-2086.8	-2.1	-0.9
5- 2	73.7	-189.7	-511.5	-685.6	-14.6	-1.5

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-114.0	0.0	1.4	114.0
5- 2	si	7	Tz	-37.4	-7.4	0.0	39.5
5- 2	si	10	Ty	-33.9	0.0	6.9	36.0

PROGR. 70.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	141.8	-53.7	-125.6	-2085.1	-2.1	-2.3
5- 2	49.1	297.8	-511.5	-684.2	-14.6	-2.7

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-113.1	0.0	1.4	113.2
5- 2	si	7	Tz	-36.9	-7.4	0.0	39.0
5- 2	si	10	Ty	-42.0	0.0	7.0	43.7

PROGR. 82.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
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1- 1		105.7	-28.8	-125.6	-2083.3	-2.1	-3.8
5- 2		11.4	322.9	-511.5	-682.9	-14.6	-3.8
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-112.0	0.0	1.4	112.0
5- 2	si	7	Tz	-36.1	-7.4	0.0	38.3
5- 2	si	10	Ty	-41.8	0.0	7.1	43.5

PROGR. 94.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		52.7	-4.0	-125.6	-2081.6	-2.1	-5.3
5- 2		-39.4	442.2	-511.5	-681.5	-14.6	-4.9
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-110.5	0.0	1.4	110.6
5- 2	si	7	Tz	-35.2	-7.4	0.0	37.4
5- 2	si	10	Ty	-43.0	0.0	7.2	44.7
1- 1	si	13	Si	-110.5	1.6	0.0	110.6

VERIFICA STABILITA` :

L0 = 94.  
 Z Lc = 94. Ro = 3.88 lm = 24.1 Ncr = 676203.9 alfa(a) = 0.2100 ki = 0.9826  
 Y Lc = 94. Ro = 3.88 lm = 24.1 Ncr = 676203.9 alfa(a) = 0.2100 ki = 0.9826  
 Caso 1- 1 - Nodo 1 - Asse Z  
 Ned = -2095.5 Mzeq = 152.4 Myeq = -152.1 Ss = -117.6 ( 0.045)

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 1075- 1084 ) 829  
 0.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-188.1	-126.9	-1293.8	-0.3	1.4
5-10		0.0	285.1	-235.7	-485.3	7.9	2.7
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-71.4	0.0	1.4	71.4
5-10	si	7	Tz	-25.5	3.5	0.0	26.3
5-10	si	10	Ty	-30.5	0.0	-3.4	31.1
1- 1	si	5	Si	-71.4	0.0	-1.6	71.4

PROGR. 12.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		7.7	-184.5	-126.9	-1292.1	-0.3	-0.1
5-10		24.7	293.0	-235.7	-484.0	7.9	1.6
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-71.4	0.0	1.4	71.4
5-10	si	7	Tz	-25.9	3.5	0.0	26.6
5-10	si	10	Ty	-31.0	0.0	-3.3	31.5

PROGR. 23.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		-1.6	-180.8	-126.9	-1290.3	-0.3	-1.5
5-10		36.4	-174.2	-235.7	-482.7	7.9	0.4
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-71.1	0.0	1.4	71.1
5-10	si	7	Tz	-26.0	3.5	0.0	26.8
5-10	si	10	Ty	-22.9	0.0	-3.2	23.6
1- 1	si	11	Si	-71.1	0.0	1.6	71.1

PROGR. 35.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		-28.0	-177.2	-126.9	-1288.6	-0.3	-3.0
5-10		34.9	-231.7	-235.7	-481.3	7.9	-0.7
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-71.4	0.0	1.4	71.4
5-10	si	7	Tz	-25.9	3.5	0.0	26.7
5-10	si	9	Ty	-29.9	0.0	3.3	30.5

PROGR. 47.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		-71.4	-173.5	-126.9	-1286.8	-0.3	-4.4
5-10		20.4	-304.5	-235.7	-480.0	7.9	-1.8
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-72.0	0.0	1.4	72.0
5-10	si	7	Tz	-25.6	3.5	0.0	26.3
5-10	si	9	Ty	-30.9	0.0	3.4	31.4

PROGR. 59.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		-131.8	-169.9	-126.9	-1285.1	-0.3	-5.9
5-10		-7.3	-384.9	-235.7	-478.6	7.9	-2.9
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-72.9	0.0	1.4	72.9
5-10	si	7	Tz	-25.1	3.5	0.0	25.8
5-10	si	9	Ty	-31.8	0.0	3.4	32.3

PROGR. 70.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		-209.3	-166.2	-126.9	-1283.3	-0.3	-7.3
5-10		-48.1	-469.3	-235.7	-477.3	7.9	-4.0
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-74.1	0.0	1.4	74.1
5-10	si	13	Tz	-31.6	3.6	0.0	32.2

5-10	si	9	Ty	-32.6	0.0	3.5	33.1	
								82.

SOLLECITAZIONI :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	TY		
1-1			MZ		MY	MT	N	TZ		
1-1	si	4	Sx	Si	-303.8	-162.6	-126.9	-1281.6	-0.3	-8.8
5-10			MZ		MY	MT	N	TZ		
5-10	si	13	Tz		-102.0	-556.1	-235.7	-475.9	7.9	-5.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	TY
1-1	si	4	Sx	Si	-75.6	0.0	1.4	75.6
5-10	si	13	Tz		-32.0	3.7	0.0	32.6
5-10	si	9	Ty		-33.1	0.0	3.6	33.7

----- PROGR. 94.

SOLLECITAZIONI :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	TY		
1-1			MZ		MY	MT	N	TZ	TY	
1-1	si	4	Sx	Si	-415.3	-158.9	-126.9	-1279.9	-0.3	-10.2
5-10			MZ		MY	MT	N	TZ		
5-10	si	13	Tz		-169.0	-644.3	-235.7	-474.6	7.9	-6.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	TY
1-1	si	4	Sx	Si	-77.4	0.0	1.4	77.4
5-10	si	13	Tz		-32.1	3.7	0.0	32.8
5-10	si	9	Ty		-33.6	0.0	3.7	34.2

-----  
VERIFICA STABILITA` :

L0 = 94.  
Z | Lc = 94. | Ro = 3.88 | lm = 24.1 | Ncr = 676203.9 | alfa(a) = 0.2100 | ki = 0.9826 |  
Y | Lc = 94. | Ro = 3.88 | lm = 24.1 | Ncr = 676203.9 | alfa(a) = 0.2100 | ki = 0.9826 |  
Caso 1-1 - Nodo 4 - Asse Z  
Ned = -1293.8 | Mzeq = -311.5 | Myeq = -188.1 | Ss = -78.0 ( 0.030 )

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 1082- 1072 ) 830  
----- PROGR. 0.

SOLLECITAZIONI :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	TY		
1-1			MZ		MY	MT	N	TZ	TY	
1-1	si	2	Sx	Si	0.0	-250.3	-221.3	3004.6	-2.5	5.8
5-10			MZ		MY	MT	N	TZ		
5-10	si	7	Tz		0.0	-946.0	-341.5	574.0	-13.1	4.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	TY
1-1	si	2	Sx	Si	162.5	0.0	2.5	162.6
5-10	si	7	Tz		30.2	-5.3	0.0	31.6
5-10	si	9	Ty		13.7	0.0	-5.1	16.3
1-1	si	6	Si		162.5	0.0	-3.1	162.6

----- PROGR. 12.

SOLLECITAZIONI :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	TY		
1-1			MZ		MY	MT	N	TZ	TY	
1-1	si	3	Sx	Si	63.6	-219.0	-221.3	3006.6	-2.5	4.4
5-10			MZ		MY	MT	N	TZ		
5-10	si	7	Tz		48.9	-785.5	-341.5	575.5	-13.1	3.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	TY
1-1	si	3	Sx	Si	163.2	0.0	2.5	163.2
5-10	si	7	Tz		29.4	-5.3	0.0	30.9
5-10	si	9	Ty		15.8	0.0	-5.0	18.1

----- PROGR. 25.

SOLLECITAZIONI :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	TY		
1-1			MZ		MY	MT	N	TZ	TY	
1-1	si	3	Sx	Si	109.1	-187.6	-221.3	3008.5	-2.5	2.9
5-10			MZ		MY	MT	N	TZ		
5-10	si	7	Tz		83.9	-626.9	-341.5	577.0	-13.1	2.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	TY
1-1	si	3	Sx	Si	163.5	0.0	2.5	163.6
5-10	si	7	Tz		28.9	-5.3	0.0	30.3
5-10	si	9	Ty		18.1	0.0	-4.9	20.0

----- PROGR. 38.

SOLLECITAZIONI :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	TY		
1-1			MZ		MY	MT	N	TZ	TY	
1-1	si	3	Sx	Si	136.3	-156.3	-221.3	3010.4	-2.5	1.5
5-10			MZ		MY	MT	N	TZ		
5-10	si	7	Tz		104.9	-471.8	-341.5	578.5	-13.1	1.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	TY
1-1	si	3	Sx	Si	163.5	0.0	2.5	163.6
5-10	si	7	Tz		28.6	-5.3	0.0	30.1
5-10	si	9	Ty		20.6	0.0	-4.9	22.2

----- PROGR. 50.

SOLLECITAZIONI :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	TY		
1-1			MZ		MY	MT	N	TZ	TY	
1-1	si	3	Sx	Si	145.4	-124.9	-221.3	3012.4	-2.5	0.0
5-10			MZ		MY	MT	N	TZ		
5-10	si	7	Tz		111.9	-324.9	-341.5	580.0	-13.1	0.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	TY
1-1	si	3	Sx	Si	163.3	0.0	2.5	163.3
5-10	si	7	Tz		28.6	-5.3	0.0	30.0
5-10	si	10	Ty		34.4	0.0	4.8	35.4

----- PROGR. 62.

SOLLECITAZIONI :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	TY		
1-1			MZ		MY	MT	N	TZ	TY	
1-1	si	3	Sx	Si	136.3	-93.6	-221.3	3014.3	-2.5	-1.5
5-10			MZ		MY	MT	N	TZ		
5-10	si	7	Tz		104.9	280.5	-341.5	581.5	-13.1	-1.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	TY
1-1	si	3	Sx	Si	162.7	0.0	2.5	162.7
5-10	si	7	Tz		28.8	-5.3	0.0	30.2
5-10	si	10	Ty		24.1	0.0	4.9	25.5

----- PROGR. 75.

SOLLECITAZIONI :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	TY		
1-1			MZ		MY	MT	N	TZ	TY	
1-1	si	3	Sx	Si	109.1	-62.3	-221.3	3016.3	-2.5	-2.9
5-10			MZ		MY	MT	N	TZ		
5-10	si	7	Tz		83.9	227.3	-341.5	583.0	-13.1	-2.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	TY
1-1	si	3	Sx	Si	162.7	0.0	2.5	162.7

1- 1	si  3	Sx	Si	161.7	0.0	2.5	161.8
5-10	si  7	Tz		29.2	-5.3	0.0	30.6
5-10	si  10	Ty		25.4	0.0	4.9	26.8

----- PROGR. 88.

## SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		63.6	-30.9	-221.3	3018.2	-2.5	-4.4
5-10		48.9	300.9	-341.5	584.5	-13.1	-3.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si  3	Sx	Si	160.5	0.0	2.5	160.6
5-10	si  7	Tz		29.9	-5.3	0.0	31.3
5-10	si  10	Ty		24.7	0.0	5.0	26.2

----- PROGR. 100.

## SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	0.4	-221.3	3020.1	-2.5	-5.8
5-10		0.0	433.6	-341.5	586.0	-13.1	-4.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si  1	Sx	Si	159.0	0.0	2.5	159.0
5-10	si  7	Tz		30.8	-5.3	0.0	32.2
5-10	si  10	Ty		23.3	0.0	5.1	24.9
1- 1	si  5	Si		159.0	0.0	3.1	159.1

## VERIFICA STABILITA` :

L0 = 100. |  
 Z |Lc = 100. |Ro = 3.88 |lm = 25.7 |Ncr= 593977.5 |alfa(a)=0.2100 |ki=0.9783 |  
 Y |Lc = 100. |Ro = 3.88 |lm = 25.7 |Ncr= 593977.5 |alfa(a)=0.2100 |ki=0.9783 |  
 Caso 4-16 - Nodo 1 - Asse Z  
 Ned = -147.2 |Mzeq = 96.9 |Myeq = -326.8 |Ss = -15.3 ( 0.006 )

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 1083- 1074 ) 831  
 ----- PROGR. 0.

## SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		52.7	-64.9	-159.5	-2071.7	2.6	5.3
5-12		-101.9	398.6	-119.1	-423.4	9.8	5.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si  1	Sx	Si	-111.1	0.0	1.8	111.1
5-12	si  14	Tz		-17.8	2.5	0.0	18.3
5-12	si  10	Ty		-27.6	0.0	-2.5	28.0

----- PROGR. 12.

## SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		105.7	-95.1	-159.5	-2069.9	2.6	3.8
5-10		13.6	-76.5	-123.0	-636.2	9.7	3.7
5-12		-43.3	-116.7	-119.1	-422.0	9.8	4.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si  1	Sx	Si	-112.4	0.0	1.8	112.5
5-10	si  7	Tz		-33.7	2.5	0.0	34.0
5-12	si  10	Ty		-19.5	0.0	-2.4	19.9

----- PROGR. 23.

## SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		141.8	-125.2	-159.5	-2068.2	2.6	2.3
5-10		50.9	-22.5	-123.0	-634.8	9.7	2.6
5-12		2.2	-63.2	-119.1	-420.7	9.8	3.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si  1	Sx	Si	-113.5	0.0	1.8	113.6
5-10	si  7	Tz		-34.3	2.5	0.0	34.6
5-12	si  10	Ty		-21.1	0.0	-2.3	21.5

----- PROGR. 35.

## SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		160.7	-155.4	-159.5	-2066.4	2.6	0.9
5-10		75.2	-30.4	-123.0	-633.5	9.7	1.5
5-12		34.6	-71.6	-119.1	-419.3	9.8	2.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si  1	Sx	Si	-114.3	0.0	1.8	114.3
5-10	si  7	Tz		-34.7	2.5	0.0	34.9
5-12	si  10	Ty		-21.4	0.0	-2.2	21.7

----- PROGR. 47.

## SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		162.6	-185.6	-159.5	-2064.7	2.6	-0.6
5-10		86.4	-101.2	-123.0	-632.1	9.7	0.4
5-12		53.9	-142.9	-119.1	-418.0	9.8	1.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si  1	Sx	Si	-114.7	0.0	1.8	114.8
5-10	si  7	Tz		-34.8	2.5	0.0	35.0
5-12	si  10	Ty		-20.4	0.0	-2.1	20.7

----- PROGR. 59.

## SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		147.5	-215.7	-159.5	-2062.9	2.6	-2.0
5-10		84.4	-197.7	-123.0	-630.8	9.7	-0.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si  1	Sx	Si	-114.9	0.0	1.8	115.0
5-10	si  7	Tz		-34.7	2.5	0.0	34.9
5-10	si  9	Ty		-38.0	0.0	2.1	38.2

----- PROGR. 70.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1-1		115.4	-245.9	-159.5	-2061.2	2.6	-3.5
5-10		69.4	-302.9	-123.0	-629.5	9.7	-1.8

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx Si	-114.8	0.0	1.8	114.8
5-10	si	7	Tz	-34.3	2.5	0.0	34.6
1-1	si	9	Ty	-114.6	0.0	2.2	114.7

----- PROGR. 82.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1-1		66.2	-276.1	-159.5	-2059.4	2.6	-4.9
5-10		41.3	-411.7	-123.0	-628.1	9.7	-3.0

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx Si	-114.4	0.0	1.8	114.4
5-10	si	7	Tz	-33.8	2.5	0.0	34.1
1-1	si	9	Ty	-114.2	0.0	2.4	114.3

----- PROGR. 94.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1-1		0.0	-306.2	-159.5	-2057.7	2.6	-6.4
5-10		0.0	-522.3	-123.0	-626.8	9.7	-4.1

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx Si	-113.6	0.0	1.8	113.7
5-10	si	7	Tz	-33.0	2.5	0.0	33.3
1-1	si	5	TySi	-113.6	0.0	2.5	113.7

----- VERIFICA STABILITA` :

L0 = 94. |  
 Z |Lc = 94. |Ro = 3.88 |lm = 24.1 |Ncr= 676203.9 |alfa(a)=0.2100 |ki=0.9826 |  
 Y |Lc = 94. |Ro = 3.88 |lm = 24.1 |Ncr= 676203.9 |alfa(a)=0.2100 |ki=0.9826 |  
 Caso 1-1 - Nodo 1 - Asse Z  
 Ned = -2071.7 |Mzeq = 152.4 |Myeq = -241.2 |Ss = -117.9 ( 0.045 )

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 1084- 1076 ) 832  
 ----- PROGR. 0.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1-1		-415.3	-298.4	-82.1	-1271.8	2.6	10.2
5-15		-119.3	-1052.6	-453.4	-264.6	-5.4	5.7

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	4	Sx Si	-79.4	0.0	0.9	79.4
5-15	si	13	Tz	-28.4	-5.9	0.0	30.2
5-15	si	9	Ty	-30.4	0.0	-5.9	32.1

----- PROGR. 12.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1-1		-303.8	-329.1	-82.1	-1270.0	2.6	8.8
5-15		-58.5	-992.5	-453.4	-263.2	-5.4	4.6

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	4	Sx Si	-77.9	0.0	0.9	77.9
5-15	si	13	Tz	-28.4	-5.8	0.0	30.2
5-15	si	9	Ty	-30.3	0.0	-5.8	31.9

----- PROGR. 23.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1-1		-209.3	-359.8	-82.1	-1268.3	2.6	7.3
5-15		-10.9	-932.7	-453.4	-261.9	-5.4	3.5

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	4	Sx Si	-76.7	0.0	0.9	76.7
5-15	si	13	Tz	-28.2	-5.7	0.0	29.9
5-15	si	9	Ty	-29.9	0.0	-5.7	31.5

----- PROGR. 35.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1-1		-131.8	-390.4	-82.1	-1266.5	2.6	5.9
5-15		23.7	-873.3	-453.4	-260.6	-5.4	2.4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	4	Sx Si	-75.8	0.0	0.9	75.8
5-15	si	7	Tz	-14.1	-5.7	0.0	17.2
5-15	si	9	Ty	-29.3	0.0	-5.6	30.9

----- PROGR. 47.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1-1		-71.4	-421.1	-82.1	-1264.8	2.6	4.4
5-15		45.2	-814.4	-453.4	-259.2	-5.4	1.3

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	4	Sx Si	-75.2	0.0	0.9	75.2
5-15	si	7	Tz	-14.4	-5.7	0.0	17.4
5-15	si	9	Ty	-28.6	0.0	-5.5	30.1

----- PROGR. 59.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1-1		-28.0	-451.7	-82.1	-1263.1	2.6	3.0
5-15		53.5	-756.0	-453.4	-257.9	-5.4	0.2

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	4	Sx Si	-74.8	0.0	0.9	74.9
5-15	si	7	Tz	-14.5	-5.7	0.0	17.5
5-15	si	9	Ty	-27.6	0.0	-5.4	29.2

----- PROGR. 70.

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1.6	-482.4	-82.1	-1261.3	2.6	1.5
5-15	48.8	-698.2	-453.4	-256.5	-5.4	-1.0

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-74.8	0.0	0.9	74.8
5-15	si	7	Tz	-14.4	-5.7	0.0	17.4
5-15	si	10	Ty	-2.1	0.0	5.5	9.8
1- 1	si	11	Si	-74.8	0.0	-1.2	74.9

----- PROGR. 82.

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	7.7	-513.1	-82.1	-1259.6	2.6	0.1
5-15	31.0	-641.2	-453.4	-255.2	-5.4	-2.1

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-75.4	0.0	0.9	75.4
5-15	si	7	Tz	-14.0	-5.7	0.0	17.1
5-15	si	10	Ty	-2.7	0.0	5.6	10.1

----- PROGR. 94.

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-543.7	-82.1	-1257.8	2.6	-1.4
5-15	0.0	-585.0	-453.4	-253.9	-5.4	-3.2

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-75.7	0.0	0.9	75.7
5-15	si	14	Tz	-22.5	-5.7	0.0	24.6
5-15	si	10	Ty	-3.2	0.0	5.7	10.4
1- 1	si	9	Si	-75.7	0.0	1.2	75.7

-----  
 VERIFICA STABILITA` :

L0 = 94.  
 Z Lc = 94. Ro = 3.88 lm = 24.1 Ncr = 676203.9 alfa(a) = 0.2100 ki = 0.9826  
 Y Lc = 94. Ro = 3.88 lm = 24.1 Ncr = 676203.9 alfa(a) = 0.2100 ki = 0.9826  
 Caso 1- 1 - Nodo 4 - Asse Z  
 Ned = -1271.8 Mzeq = -311.5 Myeq = -543.7 Ss = -83.1 ( 0.032)

CASSONE\_S001 ( 1) stato limite ultimo - ASTA ( 1073- 1083) 833  
 ----- PROGR. 0.

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	408.0	143.2	1214.3	-1.2	5.8
5- 7	0.0	1483.6	507.1	-17.6	16.6	4.5

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	71.0	0.0	1.6	71.1
5- 7	si	7	Tz	-0.9	7.6	0.0	13.2
5- 7	si	10	Ty	-26.8	0.0	-7.2	29.6
1- 1	si	5	Si	71.0	0.0	-2.3	71.1

----- PROGR. 12.

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	59.6	422.4	143.2	1216.1	-1.2	4.4
5- 7	45.9	1290.6	507.1	-16.3	16.6	3.4

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	72.4	0.0	1.6	72.5
5- 7	si	7	Tz	-1.7	7.6	0.0	13.2
5- 7	si	10	Ty	-24.1	0.0	-7.1	27.1

----- PROGR. 23.

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	102.2	436.8	143.2	1217.8	-1.2	2.9
5- 7	78.6	1097.9	507.1	-14.9	16.6	2.2

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	73.5	0.0	1.6	73.6
5- 7	si	7	Tz	-2.2	7.6	0.0	13.3
5- 7	si	10	Ty	-21.2	0.0	-7.0	24.4

----- PROGR. 35.

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	127.8	451.1	143.2	1219.6	-1.2	1.5
5- 7	98.3	906.0	507.1	-13.6	16.6	1.1

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	74.3	0.0	1.6	74.3
5- 7	si	7	Tz	-2.4	7.6	0.0	13.4
5- 7	si	10	Ty	-18.1	0.0	-7.0	21.7

----- PROGR. 47.

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	136.3	465.5	143.2	1221.3	-1.2	0.0
5- 7	104.8	715.4	507.1	-12.2	16.6	0.0

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	74.8	0.0	1.6	74.8
5- 7	si	7	Tz	-2.5	7.6	0.0	13.4
5- 7	si	9	Ty	10.2	0.0	6.9	15.7

----- PROGR. 59.

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	127.8	479.9	143.2	1223.1	-1.2	-1.5
5- 7	98.3	527.4	507.1	-10.9	16.6	-1.1

TENSIONI (Sz= 0.00) :



## Posto di Controllo Centralizzato - Relazione di calcolo – Scala metallica e vano ascensore

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx Si	75.0	0.0	1.6	75.0
5- 7	si	7	Tz	-2.3	7.6	0.0	13.3
5- 7	si	9	Ty	7.1	0.0	7.0	14.0

----- PROGR. 70.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	102.2	494.2	143.2	1224.8	-1.2	-2.9
5- 7	78.6	346.0	507.1	-9.5	16.6	-2.2

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx Si	74.9	0.0	1.6	74.9
5- 7	si	7	Tz	-1.9	7.6	0.0	13.3
5- 7	si	9	Ty	4.3	0.0	7.0	12.9

----- PROGR. 82.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	59.6	508.6	143.2	1226.5	-1.2	-4.4
5- 7	45.9	-242.1	507.1	-8.2	16.6	-3.4

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx Si	74.5	0.0	1.6	74.5
5- 7	si	7	Tz	-1.2	7.6	0.0	13.2
5- 7	si	9	Ty	-5.4	0.0	7.1	13.5

----- PROGR. 94.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	523.0	143.2	1228.3	-1.2	-5.8
5- 7	0.0	-207.5	507.1	-6.9	16.6	-4.5

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	73.8	0.0	1.6	73.8
5- 7	si	7	Tz	-0.4	7.6	0.0	13.1
5- 7	si	9	Ty	-4.0	0.0	7.2	13.1
1- 1	si	5	Si	73.8	0.0	2.3	73.9

## VERIFICA STABILITA` :

L0 = 94.  
 Z | Lc = 94. | Ro = 3.88 | lm = 24.1 | Ncr= 676203.9 | alfa(a)=0.2100 | ki=0.9826 |  
 Y | Lc = 94. | Ro = 3.88 | lm = 24.1 | Ncr= 676203.9 | alfa(a)=0.2100 | ki=0.9826 |  
 Caso 5- 4 - Nodo 2 - Asse Z  
 Ned = -37.8 | Mzeq = 90.9 | Myeq = 1142.5 | Ss = -23.5 ( 0.009 )

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 1083- 1075 ) 834  
 ----- PROGR. 0.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	478.7	89.3	1236.8	3.5	5.8
5-15	0.0	-506.9	119.0	35.8	-9.2	4.5

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	73.4	0.0	1.0	73.5
5-15	si	13	Tz	-6.1	-2.4	0.0	7.4
5-15	si	9	Ty	-7.0	0.0	-2.4	8.1
1- 1	si	11	Si	73.4	0.0	-1.7	73.5

----- PROGR. 12.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	59.6	438.0	89.3	1238.6	3.5	4.4
5-15	45.9	-403.1	119.0	37.1	-9.2	3.4

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx Si	73.9	0.0	1.0	73.9
5-15	si	7	Tz	1.2	-2.4	0.0	4.3
5-15	si	9	Ty	-5.8	0.0	-2.3	7.0

----- PROGR. 23.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	102.2	397.4	89.3	1240.3	3.5	2.9
5-15	78.6	-302.9	119.0	38.5	-9.2	2.2

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx Si	74.0	0.0	1.0	74.0
5-15	si	7	Tz	0.7	-2.4	0.0	4.2
5-15	si	9	Ty	-4.5	0.0	-2.2	5.9

----- PROGR. 35.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	127.8	356.7	89.3	1242.1	3.5	1.5
5-15	98.3	79.7	119.0	39.8	-9.2	1.1

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx Si	73.8	0.0	1.0	73.8
5-15	si	7	Tz	0.4	-2.4	0.0	4.2
5-15	si	9	Ty	1.9	0.0	-2.1	4.1

----- PROGR. 47.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	136.3	316.1	89.3	1243.8	3.5	0.0
5-15	104.8	29.1	119.0	41.2	-9.2	0.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx Si	73.4	0.0	1.0	73.4
5-15	si	7	Tz	0.3	-2.4	0.0	4.2
5-15	si	10	Ty	0.0	0.0	2.0	3.5

----- PROGR. 59.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
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## Posto di Controllo Centralizzato - Relazione di calcolo – Scala metallica e vano ascensore

1- 1		127.8	275.4	89.3	1245.6	3.5	-1.5
5-15		98.3	79.2	119.0	42.5	-9.2	-1.1
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	Si	72.6	0.0	1.0
5-15	si	7	Tz		0.5	-2.4	0.0
5-15	si	10	Ty		-0.7	0.0	2.1
----- PROGR. 70.							

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		102.2	234.8	89.3	1247.3	3.5	-2.9
5-15		78.6	170.7	119.0	43.9	-9.2	-2.2

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	Si	71.5	0.0	1.0
5-15	si	7	Tz		0.9	-2.4	0.0
5-15	si	10	Ty		-1.9	0.0	2.2
----- PROGR. 82.							

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		59.6	194.1	89.3	1249.1	3.5	-4.4
5-15		45.9	271.5	119.0	45.2	-9.2	-3.4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	Si	70.2	0.0	1.0
5-15	si	7	Tz		1.6	-2.4	0.0
5-15	si	10	Ty		-3.1	0.0	2.3
----- PROGR. 94.							

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	153.5	89.3	1250.8	3.5	-5.8
5-15		0.0	375.5	119.0	46.5	-9.2	-4.5

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	68.5	0.0	1.0
5-15	si	14	Tz		8.3	-2.4	0.0
5-15	si	10	Ty		-4.1	0.0	2.4
1- 1	si	9	Si		68.5	0.0	1.7
----- PROGR. 94.							

## VERIFICA STABILITA` :

L0 = 94. |  
 Z | Lc = 94. | Ro = 3.88 | lm = 24.1 | Ncr = 676203.9 | alfa(a) = 0.2100 | ki = 0.9826 |  
 Y | Lc = 94. | Ro = 3.88 | lm = 24.1 | Ncr = 676203.9 | alfa(a) = 0.2100 | ki = 0.9826 |  
 Caso 4-13 - Nodo 2 - Asse Z  
 Ned = -254.3 | Mzeq = 90.9 | Myeq = 161.1 | Ss = -18.0 ( 0.007 )

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 1071- 1082 ) 835  
 ----- PROGR. 0.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	-1496.3	239.3	-4222.7	-21.0	24.6
5-13		0.0	1389.3	1152.4	-1225.3	12.2	8.5

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	-248.4	0.0	2.7
5-13	si	14	Tz		-42.7	14.4	0.0
5-13	si	10	Ty		-88.7	0.0	-14.4
1- 1	si	9	Si		-248.4	0.0	-6.3
----- PROGR. 12.							

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		298.6	-1233.9	239.3	-4220.8	-21.0	23.2
5-15		67.9	1209.0	1161.6	-876.9	12.4	4.9
5-13		99.9	1237.3	1152.4	-1223.8	12.2	7.4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	-248.9	0.0	2.7
5-15	si	7	Tz		-47.3	14.3	0.0
5-13	si	10	Ty		-87.6	0.0	-14.3
----- PROGR. 25.							

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		579.1	-971.6	239.3	-4218.8	-21.0	21.7
5-15		121.9	1060.5	1161.6	-875.4	12.4	3.8
5-13		185.8	1086.4	1152.4	-1222.3	12.2	6.3

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	-249.1	0.0	2.7
5-15	si	7	Tz		-48.2	14.3	0.0
5-13	si	10	Ty		-86.2	0.0	-14.2
----- PROGR. 38.							

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		841.4	-709.3	239.3	-4216.9	-21.0	20.3
5-15		161.8	913.4	1161.6	-873.9	12.4	2.6
5-13		257.7	937.0	1152.4	-1220.8	12.2	5.2

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	-249.0	0.0	2.7
5-15	si	7	Tz		-48.8	14.3	0.0
5-13	si	10	Ty		-84.6	0.0	-14.1
----- PROGR. 50.							

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		1085.5	-446.9	239.3	-4214.9	-21.0	18.8
5-15		187.8	768.6	1161.6	-872.4	12.4	1.5
5-13		315.6	790.1	1152.4	-1219.3	12.2	4.1

TENSIONI (Sz= 0.00) :							
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Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx Si	-248.6	0.0	2.7	248.6
5-15	si	7	Tz	-49.2	14.3	0.0	55.1
5-13	si	10	Ty	-82.9	0.0	-14.0	86.4

-----  
PROGR. 62.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	1311.4	-184.6	239.3	-4213.0	-21.0	17.3
5-15	199.8	627.6	1161.6	-870.9	12.4	0.4
5-13	359.5	647.3	1152.4	-1217.8	12.2	3.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx Si	-247.8	0.0	2.7	247.9
5-15	si	7	Tz	-49.3	14.3	0.0	55.2
5-13	si	10	Ty	-81.0	0.0	-13.9	84.5

-----  
PROGR. 75.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	1519.2	77.7	239.3	-4211.1	-21.0	15.9
5-15	197.8	494.5	1161.6	-869.4	12.4	-0.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx Si	-249.5	0.0	2.7	249.5
5-15	si	7	Tz	-49.2	14.3	0.0	55.1
5-15	si	9	Ty	-40.2	0.0	13.9	46.9

-----  
PROGR. 88.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	1708.7	340.0	239.3	-4209.1	-21.0	14.4
5-15	181.8	379.4	1161.6	-867.9	12.4	-1.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx Si	-257.3	0.0	2.7	257.3
5-15	si	7	Tz	-48.9	14.3	0.0	54.8
5-15	si	9	Ty	-41.9	0.0	14.0	48.4

-----  
PROGR. 100.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	1880.1	602.4	239.3	-4207.2	-21.0	13.0
5-15	151.9	-298.2	1161.6	-866.5	12.4	-3.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx Si	-264.7	0.0	2.7	264.8
5-15	si	7	Tz	-48.3	14.3	0.0	54.3
5-15	si	9	Ty	-53.2	0.0	14.0	58.5

## VERIFICA STABILITA` :

L0 = 100.  
 Z |Lc = 100. |Ro = 3.88 |lm = 25.7 |Ncr= 593977.5 |alfa(a)=0.2100 |ki=0.9783 |  
 Y |Lc = 100. |Ro = 3.88 |lm = 25.7 |Ncr= 593977.5 |alfa(a)=0.2100 |ki=0.9783 |  
 Caso 1- 1 - Nodo 1 - Asse Z  
 Ned = -4222.7 |Mzeq = 1410.1 |Myeq = -1122.2 |Ss = -271.7 ( 0.104)

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 1082- 1073 ) 836  
 -----  
 PROGR. 0.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	1880.1	424.0	122.2	-4187.5	-3.4	-13.0
5-15	151.9	746.8	345.6	-859.2	13.2	3.0
5-16	131.2	752.8	344.2	-829.2	13.2	3.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx Si	-260.6	0.0	1.4	260.6
5-15	si	7	Tz	-47.9	5.4	0.0	48.8
5-16	si	10	Ty	-58.8	0.0	-5.1	59.5

-----  
PROGR. 12.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	1708.7	466.9	122.2	-4185.6	-3.4	-14.4
5-15	181.8	589.1	345.6	-857.8	13.2	1.8
5-16	163.8	594.6	344.2	-827.7	13.2	2.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx Si	-258.2	0.0	1.4	258.3
5-15	si	7	Tz	-48.3	5.4	0.0	49.2
5-16	si	10	Ty	-56.5	0.0	-5.0	57.2

-----  
PROGR. 25.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	1519.2	509.7	122.2	-4183.6	-3.4	-15.9
5-15	197.8	437.7	345.6	-856.3	13.2	0.7
5-13	389.5	463.0	341.7	-1200.3	13.4	-1.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx Si	-255.6	0.0	1.4	255.6
5-15	si	7	Tz	-48.5	5.4	0.0	49.4
5-13	si	9	Ty	-61.2	0.0	4.9	61.8

-----  
PROGR. 38.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	1311.4	552.5	122.2	-4181.7	-3.4	-17.3
5-15	199.8	304.9	345.6	-854.8	13.2	-0.4
5-13	359.5	328.7	341.7	-1198.8	13.4	-3.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx Si	-252.6	0.0	1.4	252.6
5-15	si	7	Tz	-48.5	5.4	0.0	49.4
5-13	si	9	Ty	-63.0	0.0	5.0	63.6

----- PROGR. 50.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		1085.5	595.3	122.2	-4179.7	-3.4	-18.8
5-15		187.8	-145.4	345.6	-853.3	13.2	-1.5
5-13		315.6	-123.2	341.7	-1197.4	13.4	-4.1

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	2	Sx	Si	-249.3	0.0	1.4	249.3
5-15	si	7	Tz		-48.2	5.4	0.0	49.1
5-13	si	9	Ty		-70.1	0.0	5.1	70.7

----- PROGR. 62.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		841.4	638.2	122.2	-4177.8	-3.4	-20.3
5-15		161.8	-189.5	345.6	-851.8	13.2	-2.6
5-13		257.7	-168.8	341.7	-1195.9	13.4	-5.2

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	2	Sx	Si	-245.7	0.0	1.4	245.7
5-15	si	7	Tz		-47.7	5.4	0.0	48.6
5-13	si	9	Ty		-69.9	0.0	5.2	70.5

----- PROGR. 75.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		579.1	681.0	122.2	-4175.9	-3.4	-21.7
5-15		121.9	-317.2	345.6	-850.3	13.2	-3.8
5-13		185.8	-297.8	341.7	-1194.4	13.4	-6.3

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	2	Sx	Si	-241.8	0.0	1.4	241.8
5-15	si	7	Tz		-46.9	5.4	0.0	47.8
5-13	si	9	Ty		-71.0	0.0	5.3	71.6

----- PROGR. 88.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		298.6	723.8	122.2	-4173.9	-3.4	-23.2
5-13		99.9	-449.1	341.7	-1192.9	13.4	-7.4

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	2	Sx	Si	-237.5	0.0	1.4	237.5
5-13	si	13	Tz		-71.6	5.4	0.0	72.2
5-13	si	9	Ty		-72.2	0.0	5.4	72.8

----- PROGR. 100.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	766.7	122.2	-4172.0	-3.4	-24.6
5-13		0.0	-607.6	341.7	-1191.4	13.4	-8.5

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	2	Sx	Si	-233.0	0.0	1.4	233.0
5-13	si	13	Tz		-72.2	5.5	0.0	72.9
5-13	si	9	Ty		-73.3	0.0	5.5	73.9
1- 1	si	6	Si		-233.0	0.0	4.3	233.1

----- VERIFICA STABILITA` :

L0 = 100.  
 Z |Lc = 100. |Ro = 3.88 |lm = 25.7 |Ncr= 593977.5 |alfa(a)=0.2100 |ki=0.9783 |  
 Y |Lc = 100. |Ro = 3.88 |lm = 25.7 |Ncr= 593977.5 |alfa(a)=0.2100 |ki=0.9783 |  
 Caso 1- 1 - Nodo 2 - Asse Z  
 Ned = -4187.5 |Mzeq = 1410.1 |Myeq = 766.7 |Ss = -263.5 ( 0.101)

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 1074- 1084 ) 837  
 ----- PROGR. 0.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	181.6	88.0	580.6	-1.7	5.8
5-15		0.0	-416.4	244.9	-106.4	-9.7	4.5

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx		33.7	0.0	1.0	33.8
5-15	si	7	Tz		-5.6	-3.9	0.0	8.7
5-15	si	9	Ty		-12.9	0.0	-3.8	14.5
1- 1	si	5	Si		33.7	0.0	-1.7	33.9

----- PROGR. 12.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		59.6	201.4	88.0	582.4	-1.7	4.4
5-15		45.9	-331.5	244.9	-105.0	-9.7	3.4

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	Si	35.2	0.0	1.0	35.2
5-15	si	7	Tz		-6.3	-3.9	0.0	9.2
5-15	si	9	Ty		-12.0	0.0	-3.7	13.6

----- PROGR. 23.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		102.2	221.3	88.0	584.1	-1.7	2.9
5-15		78.6	-280.4	244.9	-103.7	-9.7	2.2

TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	Si	36.4	0.0	1.0	36.4
5-15	si	7	Tz		-6.8	-3.9	0.0	9.6
5-15	si	9	Ty		-11.6	0.0	-3.6	13.2

----- PROGR. 35.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		127.8	241.1	88.0	585.9	-1.7	1.5

5-15			98.3		-295.6		244.9		-102.3		-9.7		1.1	
TENSIONI (Sz= 0.00) :														
Caso		Ve		No		massimi		Sx		Tz		Ty		Si
1- 1		si		4		Sx		Si		37.3		1.0		37.3
5-15		si		7		Tz				-7.1		-3.9		0.0
5-15		si		9		Ty				-12.1		0.0		-3.5

PROGR. 47.

## SOLLECITAZIONI :

Caso			MZ		MY		MT		N		TZ		TY
1- 1			136.3		261.0		88.0		587.6		-1.7		0.0
5-15			104.8		178.2		244.9		-101.0		-9.7		0.0

## TENSIONI (Sz= 0.00) :

Caso		Ve		No		massimi		Sx		Tz		Ty		Si
1- 1		si		4		Sx		Si		37.9		1.0		37.9
5-15		si		7		Tz				-7.1		-3.9		0.0
5-15		si		10		Ty				-10.1		0.0		3.4

PROGR. 59.

## SOLLECITAZIONI :

Caso			MZ		MY		MT		N		TZ		TY
1- 1			127.8		280.8		88.0		589.4		-1.7		-1.5
5-15			98.3		265.3		244.9		-99.7		-9.7		-1.1

## TENSIONI (Sz= 0.00) :

Caso		Ve		No		massimi		Sx		Tz		Ty		Si
1- 1		si		4		Sx		Si		38.1		1.0		38.2
5-15		si		7		Tz				-7.0		-3.9		0.0
5-15		si		10		Ty				-11.4		0.0		3.5

PROGR. 70.

## SOLLECITAZIONI :

Caso			MZ		MY		MT		N		TZ		TY
1- 1			102.2		300.7		88.0		591.1		-1.7		-2.9
5-15			78.6		364.7		244.9		-98.3		-9.7		-2.2

## TENSIONI (Sz= 0.00) :

Caso		Ve		No		massimi		Sx		Tz		Ty		Si
1- 1		si		4		Sx		Si		38.1		1.0		38.2
5-15		si		7		Tz				-6.5		-3.9		0.0
5-15		si		10		Ty				-12.8		0.0		3.6

PROGR. 82.

## SOLLECITAZIONI :

Caso			MZ		MY		MT		N		TZ		TY
1- 1			59.6		320.5		88.0		592.8		-1.7		-4.4
5-15			45.9		469.7		244.9		-97.0		-9.7		-3.4

## TENSIONI (Sz= 0.00) :

Caso		Ve		No		massimi		Sx		Tz		Ty		Si
1- 1		si		4		Sx		Si		37.8		1.0		37.9
5-15		si		7		Tz				-5.9		-3.9		0.0
5-15		si		10		Ty				-14.0		0.0		3.7

PROGR. 94.

## SOLLECITAZIONI :

Caso			MZ		MY		MT		N		TZ		TY
1- 1			0.0		340.4		88.0		594.6		-1.7		-5.8
5-15			0.0		577.5		244.9		-95.6		-9.7		-4.5

## TENSIONI (Sz= 0.00) :

Caso		Ve		No		massimi		Sx		Tz		Ty		Si
1- 1		si		1		Sx				37.2		1.0		37.3
5-15		si		7		Tz				-5.0		-3.9		0.0
5-15		si		10		Ty				-15.1		0.0		3.8
1- 1		si		5		Si				37.2		0.0		1.7

## VERIFICA STABILITA` :

L0 = 94. |  
 Z Lc = 94. | Ro = 3.88 | lm = 24.1 | Ncr = 676203.9 | alfa(a) = 0.2100 | ki = 0.9826 |  
 Y Lc = 94. | Ro = 3.88 | lm = 24.1 | Ncr = 676203.9 | alfa(a) = 0.2100 | ki = 0.9826 |  
 Caso 4-14 - Nodo 1 - Asse Z  
 Ned = -395.8 | Mzeq = 90.9 | Myeq = -207.9 | Ss = -26.4 ( 0.010 )

CASSONE\_S001 ( 1 ) stato limite ultimo - ASTA ( 1084- 1077 ) 838  
 ----- PROGR. 0.

## SOLLECITAZIONI :

Caso			MZ		MY		MT		N		TZ		TY
1- 1			0.0		359.3		-57.3		613.3		1.2		5.8
5- 7			0.0		-772.1		-446.5		-106.3		-0.4		4.5

## TENSIONI (Sz= 0.00) :

Caso		Ve		No		massimi		Sx		Tz		Ty		Si
1- 1		si		1		Sx				38.5		0.6		38.6
5- 7		si		13		Tz				-17.7		-5.3		0.0
5- 7		si		5		Ty				-19.1		0.0		-5.5
1- 1		si		5		Si				38.5		0.0		-1.3

PROGR. 12.

## SOLLECITAZIONI :

Caso			MZ		MY		MT		N		TZ		TY
1- 1			59.6		344.8		-57.3		615.0		1.2		4.4
5- 7			45.9		-753.3		-446.5		-105.0		-0.4		3.4

## TENSIONI (Sz= 0.00) :

Caso		Ve		No		massimi		Sx		Tz		Ty		Si
1- 1		si		4		Sx		Si		39.4		0.6		39.4
5- 7		si		13		Tz				-18.2		-5.2		0.0
5- 7		si		5		Ty				-18.7		0.0		-5.3

PROGR. 23.

## SOLLECITAZIONI :

Caso			MZ		MY		MT		N		TZ		TY
1- 1			102.2		330.3		-57.3		616.8		1.2		2.9
5- 7			78.6		-735.6		-446.5		-103.6		-0.4		2.2

## TENSIONI (Sz= 0.00) :

Caso		Ve		No		massimi		Sx		Tz		Ty		Si
1- 1		si		4		Sx		Si		40.0		0.6		40.0
5- 7		si		13		Tz				-18.4		-5.1		0.0
5- 7		si		5		Ty				-18.3		0.0		-5.2

PROGR. 35.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		127.8	315.8	-57.3	618.5	1.2	1.5
5- 7		98.3	-718.7	-446.5	-102.3	-0.4	1.1

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx Si	40.3	0.0	0.6	40.3
5- 7	si	13	Tz	-18.4	-5.1	0.0	20.4
5- 7	si	5	Ty	-17.9	0.0	-5.1	20.0

----- PROGR. 47.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		136.3	301.4	-57.3	620.3	1.2	0.0
5- 7		104.8	-702.7	-446.5	-101.0	-0.4	0.0

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx Si	40.3	0.0	0.6	40.3
5- 7	si	7	Tz	-7.1	-5.0	0.0	11.2
5- 7	si	10	Ty	5.3	0.0	5.0	10.1

----- PROGR. 59.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		127.8	286.9	-57.3	622.0	1.2	-1.5
5- 7		98.3	-687.5	-446.5	-99.6	-0.4	-1.1

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx Si	40.0	0.0	0.6	40.0
5- 7	si	14	Tz	-14.3	-5.1	0.0	16.8
5- 7	si	5	Ty	-17.2	0.0	5.1	19.4

----- PROGR. 70.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		102.2	272.4	-57.3	623.8	1.2	-2.9
5- 7		78.6	-673.0	-446.5	-98.3	-0.4	-2.2

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx Si	39.4	0.0	0.6	39.4
5- 7	si	14	Tz	-14.4	-5.1	0.0	16.9
5- 7	si	5	Ty	-16.9	0.0	5.2	19.2

----- PROGR. 82.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		59.6	258.0	-57.3	625.5	1.2	-4.4
5- 7		45.9	-659.2	-446.5	-96.9	-0.4	-3.4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx Si	38.5	0.0	0.6	38.5
5- 7	si	14	Tz	-14.7	-5.2	0.0	17.2
5- 7	si	5	Ty	-16.6	0.0	5.3	19.0

----- PROGR. 94.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		0.0	243.5	-57.3	627.3	1.2	-5.8
5- 7		0.0	-646.0	-446.5	-95.6	-0.4	-4.5

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	37.3	0.0	0.6	37.3
5- 7	si	14	Tz	-15.2	-5.3	0.0	17.7
5- 7	si	5	Ty	-16.3	0.0	5.5	18.9
1- 1	si	5	Si	37.3	0.0	1.3	37.3

-----  
VERIFICA STABILITA` :

L0 = 94.  
 Z |Lc = 94. |Ro = 3.88 |lm = 24.1 |Ncr= 676203.9 |alfa(a )=0.2100 |ki=0.9826 |  
 Y |Lc = 94. |Ro = 3.88 |lm = 24.1 |Ncr= 676203.9 |alfa(a )=0.2100 |ki=0.9826 |  
 Caso 4-14 - Nodo 1 - Asse Z  
 Ned = -371.6 |Mzeq = 90.9 |Myeq = -268.5 |Ss = -26.2 ( 0.010)

CASSONE\_S005 ( 5) stato limite ultimo - ASTA ( 843- 858) 691  
 ----- PROGR. 0.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
4- 9		0.0	6728.4	6374.2	-283.6	183.0	1054.1
4- 7		0.0	-6683.8	-7142.3	246.5	-171.5	1055.3
1- 1		0.0	-400.7	-1557.6	-136.5	16.7	1575.0

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4- 9	si	2	Sx	-96.0	0.0	46.3	125.1
4- 7	si	13	Tz	-65.0	-112.8	0.0	205.9
1- 1	si	5	Ty	-10.7	0.0	-138.1	239.5
4- 7	si	6	Si	93.9	0.0	-136.8	254.9

----- PROGR. 11.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
4- 8		11083.7	-5037.7	-7064.7	230.3	-176.4	1053.3
4- 7		11083.9	-4882.1	-7142.3	246.5	-171.5	1053.4
1- 1		16543.5	-576.4	-1557.6	-136.5	16.7	1572.4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4- 8	si	3	Sx	182.8	0.0	51.3	203.3
4- 7	si	13	Tz	-154.9	-112.7	0.0	249.2
1- 1	si	5	Ty	-12.9	0.0	-137.9	239.2
4- 8	si	12	Si	175.5	0.0	-116.6	267.5

----- PROGR. 21.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		33059.9	-752.2	-1557.6	-136.5	16.7	1569.8
4- 7		22146.9	-3081.6	-7142.3	246.5	-171.5	1051.4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-343.7	0.0	11.3	344.3
4- 7	si	13	Tz	-244.6	-112.6	0.0	312.8
1- 1	si	5	Ty	-15.1	0.0	-137.7	239.0
1- 1	si	13	Si	-342.8	-77.7	0.0	368.3

PROGR. 32.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	49549.3	-928.0	-1557.6	-136.5	16.7	1567.3	
4- 7	33189.1	-1288.9	-7142.3	246.5	-171.5	1049.4	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-509.8	0.0	11.3	510.2
4- 7	si	13	Tz	-334.2	-112.5	0.0	386.8
1- 1	si	5	Ty	-17.3	0.0	-137.5	238.8
1- 1	si	13	Si	-508.7	-77.6	0.0	526.1

PROGR. 42.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	66011.6	-1103.8	-1557.6	-136.5	16.7	1564.7	
4- 7	44210.5	539.5	-7142.3	246.5	-171.5	1047.4	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-675.7	0.0	11.3	676.0
4- 7	si	13	Tz	-423.1	-112.4	0.0	465.8
1- 1	si	5	Ty	-19.5	0.0	-137.3	238.6
1- 1	si	13	Si	-674.3	-77.5	0.0	687.5

PROGR. 53.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	82446.9	-1279.6	-1557.6	-136.5	16.7	1562.1	
4- 7	55211.0	2338.7	-7142.3	246.5	-171.5	1045.4	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-841.3	0.0	11.3	841.5
4- 7	si	13	Tz	-512.2	-112.3	0.0	547.9
1- 1	si	5	Ty	-21.7	0.0	-137.1	238.4
1- 1	si	13	Si	-839.7	-77.4	0.0	850.3

PROGR. 63.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	98855.0	-1455.4	-1557.6	-136.5	16.7	1559.5	
4- 7	66190.8	4137.8	-7142.3	246.5	-171.5	1043.5	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-1006.6	0.0	11.3	1006.7
4- 7	si	13	Tz	-601.1	-112.3	0.0	631.7
1- 1	si	5	Ty	-23.9	0.0	-136.9	238.3
1- 1	si	13	Si	-1004.7	-77.3	0.0	1013.6

PROGR. 74.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	115236.1	-1631.1	-1557.6	-136.5	16.7	1557.0	
4- 7	77149.7	5939.2	-7142.3	246.5	-171.5	1041.5	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-1171.6	0.0	11.3	1171.8
4- 7	si	13	Tz	-689.7	-112.2	0.0	716.6
1- 1	si	5	Ty	-26.1	0.0	-136.7	238.2
1- 1	si	13	Si	-1169.6	-77.1	0.0	1177.2

PROGR. 84.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	131590.2	-1806.9	-1557.6	-136.5	16.7	1554.4	
4- 7	88087.8	7741.1	-7142.3	246.5	-171.5	1039.5	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-1336.4	0.0	11.3	1336.5
4- 7	si	13	Tz	-778.2	-112.1	0.0	802.0
1- 1	si	5	Ty	-28.3	0.0	-136.5	238.0
1- 1	si	13	Si	-1334.1	-77.0	0.0	1340.8

VERIFICA STABILITA` :

L0 = 84.  
 Z | Lc = 84. | Ro = 5.61 | lm = 15.0 | Ncr = 2210987.5 | alfa(a) = 0.2100 | ki = 1.0000  
 Y | Lc = 84. | Ro = 4.08 | lm = 20.6 | Ncr = 1170695.2 | alfa(a) = 0.2100 | ki = 0.9917  
 Caso 1- 1 - Nodo 1 - Asse Y  
 Ned = -136.5 | Meq = 98692.6 | Myeq = -1434.9 | Ss = -1004.8 ( 0.384)

CASSONE\_S005 ( 5 ) stato limite ultimo - ASTA ( 858- 857 ) 692  
 ----- PROGR. 0.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	131323.3	-1536.5	-1557.6	-135.9	-13.3	-1357.6	
4- 5	87943.6	8370.5	-7006.8	135.6	157.5	-908.0	
4- 7	87941.4	7094.9	-7142.3	178.8	128.2	-908.0	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-1330.3	0.0	11.3	1330.4
4- 5	si	13	Tz	-774.3	104.2	0.0	795.0
4- 7	si	5	Ty	96.2	0.0	125.0	236.9
1- 1	si	13	Si	-1328.4	68.8	0.0	1333.7

PROGR. 12.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	115031.1	-1377.1	-1557.6	-135.9	-13.3	-1360.6	
4- 5	77045.4	6483.1	-7006.8	135.6	157.5	-910.3	

4-7	77043.5	5558.2	-7142.3	178.8	128.2	-910.2
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
1-1	si	1	Sx	-1166.3	0.0	11.3
4-5	si	13	Tz	-687.2	104.3	0.0
4-7	si	5	Ty	77.0	0.0	125.1
1-1	si	13	Si	-1164.6	69.0	0.0
----- PROGR. 24.						

SOLLECITAZIONI :						
Caso		MZ	MY	MT	N	TZ
1-1		98703.7	-1217.7	-1557.6	-135.9	-13.3
4-5		66120.1	4596.1	-7006.8	135.6	157.5
4-7		66118.5	4021.8	-7142.3	178.8	128.2
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
1-1	si	1	Sx	-1002.1	0.0	11.3
4-5	si	13	Tz	-599.8	104.4	0.0
4-7	si	5	Ty	57.8	0.0	125.3
1-1	si	13	Si	-1000.5	69.1	0.0
----- PROGR. 36.						

SOLLECITAZIONI :						
Caso		MZ	MY	MT	N	TZ
1-1		82341.0	-1058.2	-1557.6	-135.9	-13.3
4-5		55167.8	2710.2	-7006.8	135.6	157.5
4-7		55166.4	2486.0	-7142.3	178.8	128.2
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
1-1	si	1	Sx	-837.4	0.0	11.3
4-5	si	13	Tz	-512.2	104.5	0.0
4-7	si	5	Ty	38.6	0.0	125.5
1-1	si	13	Si	-836.1	69.2	0.0
----- PROGR. 48.						

SOLLECITAZIONI :						
Caso		MZ	MY	MT	N	TZ
1-1		65943.2	-898.8	-1557.6	-135.9	-13.3
4-5		44188.4	827.5	-7006.8	135.6	157.5
4-7		44187.3	956.9	-7142.3	178.8	128.2
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
1-1	si	1	Sx	-672.4	0.0	11.3
4-5	si	13	Tz	-424.3	104.6	0.0
4-7	si	5	Ty	19.4	0.0	125.7
1-1	si	13	Si	-671.3	69.3	0.0
----- PROGR. 60.						

SOLLECITAZIONI :						
Caso		MZ	MY	MT	N	TZ
1-1		49510.2	-739.4	-1557.6	-135.9	-13.3
4-5		33181.9	-1085.5	-7006.8	135.6	157.5
4-7		33181.1	-606.7	-7142.3	178.8	128.2
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
1-1	si	1	Sx	-507.1	0.0	11.3
4-5	si	13	Tz	-336.4	104.7	0.0
4-7	si	5	Ty	-0.1	0.0	125.9
1-1	si	13	Si	-506.1	69.5	0.0
----- PROGR. 72.						

SOLLECITAZIONI :						
Caso		MZ	MY	MT	N	TZ
1-1		33042.0	-580.0	-1557.6	-135.9	-13.3
4-5		22148.3	-2962.1	-7006.8	135.6	157.5
4-7		22147.8	-2132.8	-7142.3	178.8	128.2
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
1-1	si	1	Sx	-341.4	0.0	11.3
4-5	si	13	Tz	-247.9	104.8	0.0
4-7	si	5	Ty	-19.2	0.0	126.0
1-1	si	13	Si	-340.6	69.6	0.0
----- PROGR. 84.						

SOLLECITAZIONI :						
Caso		MZ	MY	MT	N	TZ
4-16		11118.2	4666.3	4371.3	-218.6	-160.5
4-5		11087.7	-4847.9	-7006.8	135.6	157.5
4-7		11087.4	-3667.9	-7142.3	178.8	128.2
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
4-16	si	2	Sx	-178.0	0.0	31.7
4-5	si	13	Tz	-159.2	104.9	0.0
4-7	si	5	Ty	-38.5	0.0	126.2
4-5	si	12	Si	169.2	0.0	108.4
----- PROGR. 96.						

SOLLECITAZIONI :						
Caso		MZ	MY	MT	N	TZ
4-16		0.0	6589.7	4371.3	-218.6	-160.5
4-5		0.0	-6734.9	-7006.8	135.6	157.5
4-7		0.0	-5204.2	-7142.3	178.8	128.2
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
4-16	si	3	Sx	-91.6	0.0	31.7
4-5	si	13	Tz	-70.2	105.0	0.0
4-7	si	5	Ty	-57.7	0.0	126.4
4-5	si	6	Si	89.9	0.0	125.4

VERIFICA STABILITA` :

L0 = 96.  
 Z |Lc = 96. |Ro = 5.61 |lm = 17.1 |Ncr= 1700360.7 |alfa(a)=0.2100 |ki=1.0000 |  
 Y |Lc = 96. |Ro = 4.08 |lm = 23.5 |Ncr= 900323.5 |alfa(a)=0.2100 |ki=0.9842 |  
 Caso 1-1 - Nodo 1 - Asse Y  
 Ned = -135.9 |Mzeq = 98492.5 |Myeq = -1168.5 |Ss = -999.5 ( 0.382)



CASSONE_S005 ( 5 )		stato limite ultimo - ASTA ( 836- 859)					693
							PROGR. 0.
SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
4- 1		0.0	-6861.5	-5092.9	-31.2	-194.5	1169.2
4- 5		0.0	-6098.6	-7021.1	-40.4	-171.2	1169.3
1- 1		0.0	-4394.0	-1625.4	-103.4	-53.0	1749.1
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4- 1	si	1	Sx	-87.2	0.0	37.0	108.2
4- 5	si	13	Tz	-70.4	-116.8	0.0	214.2
1- 1	si	5	TySi	-59.3	0.0	-152.6	270.9
							PROGR. 11.
SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		18373.5	-3837.0	-1625.4	-103.4	-53.0	1746.5
4- 5		12281.4	-4313.3	-7021.1	-40.4	-171.2	1167.3
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-235.0	0.0	11.8	235.9
4- 5	si	13	Tz	-172.3	-116.7	0.0	265.6
1- 1	si	5	Ty	-52.3	0.0	-152.4	269.1
1- 1	si	9	Si	-222.8	0.0	-100.1	282.3
							PROGR. 21.
SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		36719.9	-3280.0	-1625.4	-103.4	-53.0	1743.9
4- 5		24542.0	-2574.7	-7021.1	-40.4	-171.2	1165.3
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-410.4	0.0	11.8	410.9
4- 5	si	13	Tz	-274.6	-116.6	0.0	340.9
1- 1	si	5	Ty	-45.4	0.0	-152.2	267.5
1- 1	si	13	Si	-406.3	-91.9	0.0	436.4
							PROGR. 32.
SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		55039.3	-2722.9	-1625.4	-103.4	-53.0	1741.3
4- 5		36781.7	-614.1	-7021.1	-40.4	-171.2	1163.3
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-585.5	0.0	11.8	585.9
4- 5	si	13	Tz	-374.2	-116.5	0.0	425.2
1- 1	si	5	Ty	-38.4	0.0	-152.0	266.1
1- 1	si	13	Si	-582.1	-91.8	0.0	603.4
							PROGR. 42.
SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		73331.6	-2165.9	-1625.4	-103.4	-53.0	1738.8
4- 5		49000.7	1151.5	-7021.1	-40.4	-171.2	1161.3
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-760.4	0.0	11.8	760.6
4- 5	si	13	Tz	-475.8	-116.5	0.0	516.8
1- 1	si	5	Ty	-31.4	0.0	-151.8	264.8
1- 1	si	13	Si	-757.6	-91.7	0.0	774.1
							PROGR. 53.
SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		91596.8	-1608.9	-1625.4	-103.4	-53.0	1736.2
4- 5		61198.8	2940.5	-7021.1	-40.4	-171.2	1159.4
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-934.9	0.0	11.8	935.2
4- 5	si	13	Tz	-576.9	-116.4	0.0	611.1
1- 1	si	5	Ty	-24.4	0.0	-151.6	263.7
1- 1	si	13	Si	-932.9	-91.6	0.0	946.3
							PROGR. 63.
SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		109834.9	-1051.9	-1625.4	-103.4	-53.0	1733.6
4- 5		73376.1	4735.3	-7021.1	-40.4	-171.2	1157.4
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-1109.3	0.0	11.8	1109.5
4- 5	si	13	Tz	-677.7	-116.3	0.0	707.0
1- 1	si	5	Ty	-17.5	0.0	-151.4	262.8
1- 1	si	13	Si	-1108.0	-91.5	0.0	1119.2
							PROGR. 74.
SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		128046.0	-494.9	-1625.4	-103.4	-53.0	1731.0
4- 5		85532.6	6532.2	-7021.1	-40.4	-171.2	1155.4
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-1283.3	0.0	11.8	1283.5
4- 5	si	13	Tz	-778.3	-116.2	0.0	803.9
1- 1	si	5	Ty	-10.5	0.0	-151.2	262.1
1- 1	si	13	Si	-1282.7	-91.4	0.0	1292.4
							PROGR. 84.
SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		146230.1	62.1	-1625.4	-103.4	-53.0	1728.5
4- 5		97668.2	8330.2	-7021.1	-40.4	-171.2	1153.4
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-1458.7	0.0	11.8	1458.8
4- 5	si	13	Tz	-878.7	-116.1	0.0	901.4
1- 1	si	5	Ty	-3.5	0.0	-151.0	261.5



----- PROGR. 96.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-9623.2	-1625.4	-81.2	123.4	-1539.3
4- 7	0.0	-7460.4	-7122.1	36.8	184.1	-1029.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-123.8	0.0	11.8	125.5
4- 7	si	13	Tz	-82.5	112.6	0.0	211.8
1- 1	si	5	TySi	-123.8	0.0	135.7	265.7

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VERIFICA STABILITA' :

L0 = 96.  
 Z | Lc = 96. | Ro = 5.61 | lm = 17.1 | Ncr = 1700360.7 | alfa(a) = 0.2100 | ki = 1.0000 |  
 Y | Lc = 96. | Ro = 4.08 | lm = 23.5 | Ncr = 900323.5 | alfa(a) = 0.2100 | ki = 0.9842 |  
 Caso 1- 1 - Nodo 1 - Asse Y  
 Ned = -81.2 | Mzeq = 109872.7 | Myeq = -7217.4 | Ss = -1186.0 ( 0.453 )

CASSONE\_S005 ( 5 ) stato limite ultimo - ASTA ( 860- 843 ) 696  
 ----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 8	3715.2	8052.1	-507.0	-168.9	377.0	-108.4
5- 3	3746.1	-7195.2	-3014.7	67.5	-414.4	-109.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4- 8	si	2	Sx	-144.7	0.0	3.7	144.9
5- 3	si	7	Tz	-34.4	-69.3	0.0	124.9
5- 3	si	10	Ty	58.1	0.0	61.6	121.5
5- 3	si	12	Si	127.6	0.0	-51.1	155.3

----- PROGR. 4.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 8	3262.2	6537.6	-507.0	-168.9	377.0	-109.2
5- 3	3289.3	-5495.4	-3014.7	67.5	-414.4	-110.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4- 8	si	2	Sx	-121.3	0.0	3.7	121.5
5- 3	si	7	Tz	-29.9	-69.3	0.0	123.8
5- 3	si	10	Ty	41.1	0.0	61.7	114.4
5- 3	si	16	Si	97.4	-54.1	0.0	135.1

----- PROGR. 8.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 8	2806.0	5068.1	-507.0	-168.9	377.0	-110.0
5- 3	2829.2	-3815.8	-3014.7	67.5	-414.4	-110.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4- 8	si	2	Sx	-98.4	0.0	3.7	98.6
5- 3	si	7	Tz	-25.3	-69.3	0.0	122.7
5- 3	si	10	Ty	24.3	0.0	61.7	109.6
5- 3	si	8	Si	30.9	-69.3	0.0	124.0

----- PROGR. 12.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 8	2346.5	3725.8	-507.0	-168.9	377.0	-110.8
5- 3	2365.8	-2194.0	-3014.7	67.5	-414.4	-111.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4- 8	si	2	Sx	-77.0	0.0	3.7	77.3
5- 3	si	7	Tz	-20.7	-69.3	0.0	121.9
5- 3	si	10	Ty	8.3	0.0	61.7	107.3
5- 3	si	8	Si	26.3	-69.3	0.0	123.0

----- PROGR. 17.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	2530.8	2999.7	-212.0	57.9	-176.6	-150.0
5- 3	1899.2	-816.8	-3014.7	67.5	-414.4	-112.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	65.1	0.0	1.5	65.2
5- 3	si	7	Tz	-16.1	-69.3	0.0	121.2
5- 3	si	10	Ty	-4.6	0.0	61.8	107.1
5- 3	si	8	Si	21.7	-69.3	0.0	122.0

----- PROGR. 21.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	1904.4	3734.7	-212.0	57.9	-176.6	-151.0
5- 3	1429.3	1935.4	-3014.7	67.5	-414.4	-113.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	68.1	0.0	1.5	68.1
5- 3	si	7	Tz	-11.4	-69.3	0.0	120.6
5- 3	si	10	Ty	-34.7	0.0	61.8	112.5
5- 3	si	8	Si	17.0	-69.3	0.0	121.3

----- PROGR. 25.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4-13	935.2	4650.7	57.7	110.7	-404.2	-111.5
5- 3	956.1	3440.4	-3014.7	67.5	-414.4	-114.1
5- 4	956.1	3721.3	-3135.3	43.4	-401.6	-114.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-13	si	4	Sx	72.1	0.0	0.4	72.1
5- 3	si	7	Tz	-6.7	-69.3	0.0	120.3
5- 3	si	10	Ty	-49.1	0.0	61.9	117.9
5- 4	si	14	Si	53.2	-63.5	0.0	122.2

----- PROGR. 29.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
4-13		469.2	6206.4	57.7	110.7	-404.2	-112.3
5- 3		479.7	5094.5	-3014.7	67.5	-414.4	-114.8
5- 4		479.7	5322.3	-3135.3	43.4	-401.6	-114.8

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-13	si	4	Sx	87.0	0.0	0.4	87.0
5- 3	si	7	Tz	-2.0	-69.3	0.0	120.1
5- 3	si	10	Ty	-65.4	0.0	61.9	125.6
5- 4	si	11	Si	72.9	0.0	61.7	129.4

PROGR. 33.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
4-13		0.0	7823.6	57.7	110.7	-404.2	-113.1
5- 3		0.0	6785.1	-3014.7	67.5	-414.4	-115.6
5- 4		0.0	6959.7	-3135.3	43.4	-401.6	-115.6

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-13	si	4	Sx	102.5	0.0	0.4	102.5
5- 3	si	7	Tz	2.8	-69.3	0.0	120.1
5- 3	si	10	Ty	-82.1	0.0	61.9	135.1
5- 4	si	11	Si	88.9	0.0	61.7	139.1

VERIFICA STABILITA` :

L0 = 33.  
 Z Lc = 33. | Ro = 5.61 | lm = 5.9 | Ncr = 14102295.7 | alfa(a) = 0.2100 | ki = 1.0000  
 Y Lc = 33. | Ro = 4.08 | lm = 8.2 | Ncr = 7467020.7 | alfa(a) = 0.2100 | ki = 1.0000  
 Caso 4- 8 - Nodo 2 - Asse Y  
 Ned = -168.9 | Mzeq = 2786.4 | Myeq = 6039.1 | Ss = -110.3 ( 0.042)

CASSONE\_S005 ( 5) stato limite ultimo - ASTA ( 850- 1065) 697  
 ----- PROGR. 0.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
4- 9		0.0	6804.5	2410.2	-188.2	59.1	-178.5
1- 1		0.0	1658.6	2395.3	-289.6	-79.0	-558.6

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4- 9	si	2	Sx	-93.0	0.0	17.5	97.8
1- 1	si	14	Tz	6.6	-48.6	0.0	84.4
1- 1	si	5	Ty	8.7	0.0	62.4	108.4
1- 1	si	6	Si	-32.8	0.0	62.4	112.9

PROGR. 5.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
4- 9		-906.1	6509.5	2410.2	-188.2	59.1	-179.5
1- 1		-2831.0	2058.4	2395.3	-289.6	-79.0	-559.8

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4- 9	si	3	Sx	-98.3	0.0	17.5	102.9
1- 1	si	14	Tz	-17.0	-48.6	0.0	85.9
1- 1	si	5	Ty	13.7	0.0	62.5	109.1
1- 1	si	6	Si	-37.8	0.0	62.5	114.6

PROGR. 10.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
4- 9		-1817.0	6215.7	2410.2	-188.2	59.1	-180.4
1- 1		-5668.4	2458.2	2395.3	-289.6	-79.0	-561.1
4-10		-1816.9	6032.4	2922.5	-189.9	62.5	-180.4

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4- 9	si	3	Sx	-103.7	0.0	17.5	108.0
1- 1	si	14	Tz	-40.7	-48.7	0.0	93.7
1- 1	si	5	Ty	18.7	0.0	62.6	110.0
4-10	si	12	Si	-100.3	0.0	35.1	117.2

PROGR. 15.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		-8512.0	2858.0	2395.3	-289.6	-79.0	-562.3

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	-132.4	0.0	17.4	135.8
1- 1	si	14	Tz	-64.5	-48.7	0.0	106.2
1- 1	si	5	Ty	23.7	0.0	62.7	111.1
1- 1	si	12	Si	-126.8	0.0	37.8	142.7

PROGR. 20.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		-11361.8	3257.8	2395.3	-289.6	-79.0	-563.6

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	-165.8	0.0	17.4	168.5
1- 1	si	14	Tz	-88.3	-48.8	0.0	122.2
1- 1	si	5	Ty	28.7	0.0	62.8	112.4
1- 1	si	16	Si	-161.7	34.7	0.0	172.5

PROGR. 25.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		-14218.0	3657.6	2395.3	-289.6	-79.0	-564.8

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	-199.2	0.0	17.4	201.4
1- 1	si	14	Tz	-112.2	-48.9	0.0	140.5
1- 1	si	5	Ty	33.7	0.0	62.9	114.0
1- 1	si	16	Si	-194.6	34.8	0.0	203.7

PROGR. 30.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-17080.4	4057.4	2395.3	-289.6	-79.0	-566.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	-232.6	0.0	17.4	234.6
1- 1	si	14	Tz	-136.1	-48.9	0.0	160.4
1- 1	si	5	Ty	38.7	0.0	63.0	115.7
1- 1	si	16	Si	-227.6	34.8	0.0	235.4

----- PROGR. 35.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-19949.1	4457.2	2395.3	-289.6	-79.0	-567.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	-266.2	0.0	17.4	267.9
1- 1	si	14	Tz	-160.2	-49.0	0.0	181.2
1- 1	si	5	Ty	43.7	0.0	63.1	117.7

----- PROGR. 40.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-22824.1	4857.0	2395.3	-289.6	-79.0	-568.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	-299.7	0.0	17.4	301.2
1- 1	si	14	Tz	-184.2	-49.0	0.0	202.9
1- 1	si	5	Ty	48.7	0.0	63.2	119.8

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VERIFICA STABILITA` :

L0 = 40.  
 Z | Lc = 40. | Ro = 5.61 | lm = 7.2 | Ncr = 9533848.3 | alfa(a) = 0.2100 | ki = 1.0000 |  
 Y | Lc = 40. | Ro = 4.08 | lm = 9.9 | Ncr = 5048074.8 | alfa(a) = 0.2100 | ki = 1.0000 |  
 Caso 1- 1 - Nodo 3 - Asse Y  
 Ned = -289.6 | Mzeq = -17118.1 | Myeq = 4235.1 | Ss = -235.2 ( 0.090 )

CASSONE\_S005 ( 5 ) stato limite ultimo - ASTA ( 861- 857 ) 698  
 ----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4-16	-11088.8	5543.8	2356.6	267.4	395.3	336.1
5-15	-10068.5	6239.8	3705.8	107.5	382.3	305.5
5-16	-10140.9	6458.6	3589.3	121.8	384.0	307.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-16	si	1	Sx	190.8	0.0	17.1	193.0
5-15	si	14	Tz	-25.3	74.2	0.0	131.0
5-15	si	10	Ty	19.8	0.0	-73.4	128.7
5-16	si	13	Si	178.6	47.0	0.0	196.3

----- PROGR. 4.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4-16	-9691.3	4007.9	2356.6	267.4	395.3	335.4
5-15	-8798.5	4684.1	3705.8	107.5	382.3	304.7
5-16	-8861.9	4895.8	3589.3	121.8	384.0	306.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-16	si	1	Sx	157.6	0.0	17.1	160.4
5-15	si	14	Tz	-30.2	74.2	0.0	132.0
5-15	si	10	Ty	27.5	0.0	-73.4	130.0
5-16	si	13	Si	148.3	47.0	0.0	169.2

----- PROGR. 8.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4-16	-8297.0	2633.2	2356.6	267.4	395.3	334.6
5-15	-7531.8	3178.9	3705.8	107.5	382.3	303.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-16	si	1	Sx	126.6	0.0	17.1	130.0
5-15	si	14	Tz	-34.6	74.1	0.0	133.0
5-15	si	10	Ty	34.6	0.0	-73.3	131.6
5-15	si	7	Si	79.3	70.7	0.0	145.9

----- PROGR. 12.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 9	-6836.6	-2495.0	1001.2	217.8	228.5	330.4
5-15	-6268.3	1093.4	3705.8	107.5	382.3	303.1
4-12	-6755.1	-1353.4	2744.7	220.0	389.6	326.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4- 9	si	2	Sx	108.3	0.0	7.3	109.0
5-15	si	14	Tz	-45.5	74.1	0.0	136.2
5-15	si	10	Ty	49.0	0.0	-73.3	136.0
4-12	si	15	Si	91.6	68.8	0.0	150.3

----- PROGR. 17.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 9	-5462.8	-2865.9	1001.2	217.8	228.5	329.7
5-15	-5008.1	-277.5	3705.8	107.5	382.3	302.4
4-12	-5397.6	-2369.1	2744.7	220.0	389.6	325.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4- 9	si	2	Sx	99.2	0.0	7.3	100.0
5-15	si	14	Tz	-48.4	74.1	0.0	137.1
5-15	si	10	Ty	54.4	0.0	-73.2	138.0
4-12	si	15	Si	89.5	68.8	0.0	149.0

----- PROGR. 21.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4-12	-4043.3	-3860.1	2744.7	220.0	389.6	325.0

5-15			-3751.2		-2029.6	3705.8	107.5	382.3	301.6
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
4-12	si	2	Sx	97.7	0.0	19.9	103.6		
5-15	si	14	Tz	-55.7	74.0	0.0	139.8		
5-15	si	10	Ty	64.7	0.0	-73.2	142.4		
4-12	si	10	Si	95.0	0.0	-68.0	151.3		

----- PROGR. 25.

SOLLECITAZIONI :									
Caso			MZ	MY	MT	N	TZ	TY	
4-12			-2692.3	-5363.9	2744.7	220.0	389.6	324.2	
5-15			-2497.5	-3491.9	3705.8	107.5	382.3	300.8	

TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
4-12	si	2	Sx	103.1	0.0	19.9	108.7		
5-15	si	14	Tz	-59.7	74.0	0.0	141.4		
5-15	si	10	Ty	71.4	0.0	-73.2	145.4		
4-12	si	10	Si	101.3	0.0	-67.9	155.2		

----- PROGR. 29.

SOLLECITAZIONI :									
Caso			MZ	MY	MT	N	TZ	TY	
4-12			-1344.5	-6932.5	2744.7	220.0	389.6	323.4	
5-15			-1247.1	-5051.1	3705.8	107.5	382.3	300.0	

TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
4-12	si	2	Sx	109.3	0.0	19.9	114.6		
5-15	si	14	Tz	-64.8	74.0	0.0	143.6		
5-15	si	10	Ty	79.3	0.0	-73.1	149.4		
4-12	si	10	Si	108.4	0.0	-67.9	159.9		

----- PROGR. 33.

SOLLECITAZIONI :									
Caso			MZ	MY	MT	N	TZ	TY	
4-12			0.0	-8522.1	2744.7	220.0	389.6	322.6	
5-15			0.0	-6626.4	3705.8	107.5	382.3	299.2	

TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
4-12	si	2	Sx	115.8	0.0	19.9	120.9		
5-15	si	14	Tz	-70.2	73.9	0.0	146.0		
5-15	si	10	Ty	87.4	0.0	-73.1	153.9		
4-12	si	10	Si	115.8	0.0	-67.8	165.0		

-----  
VERIFICA STABILITA` :

L0 = 33.  
Z | Lc = 33. | Ro = 5.61 | lm = 5.9 | Ncr = 14102295.7 | alfa(a) = 0.2100 | ki = 1.0000 |  
Y | Lc = 33. | Ro = 4.08 | lm = 8.2 | Ncr = 7467020.7 | alfa(a) = 0.2100 | ki = 1.0000 |  
Caso 4- 5 - Nodo 3 - Asse Y  
Ned = -110.6 | Mzeq = -6890.1 | Myeq = 4950.7 | Ss = -135.1 ( 0.052 )

CASSONE\_S005 ( 5 ) stato limite ultimo - ASTA ( 862- 861 ) 699  
----- PROGR. 0.

SOLLECITAZIONI :									
Caso			MZ	MY	MT	N	TZ	TY	
4-16			0.0	-10147.5	-20357.9	354.8	-194.5	9.0	
1- 1			0.0	-2422.2	-29714.7	166.4	-50.5	11.7	

TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
4-16	si	2	Sx	141.8	0.0	147.8	292.6		
1- 1	si	7	Tz	6.9	-221.5	0.0	383.7		
1- 1	si	9	Ty	-23.4	0.0	-220.5	382.6		
1- 1	si	16	Si	34.2	-220.7	0.0	383.8		

----- PROGR. 12.

SOLLECITAZIONI :									
Caso			MZ	MY	MT	N	TZ	TY	
4-16			94.8	-7818.3	-20357.9	354.8	-194.5	6.8	
1- 1			123.2	-1816.8	-29714.7	166.4	-50.5	8.8	

TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
4-16	si	3	Sx	113.6	0.0	147.8	280.0		
1- 1	si	7	Tz	5.7	-221.5	0.0	383.7		
1- 1	si	9	Ty	-16.9	0.0	-220.3	382.0		
1- 1	si	8	Si	8.2	-221.5	0.0	383.7		

----- PROGR. 24.

SOLLECITAZIONI :									
Caso			MZ	MY	MT	N	TZ	TY	
4-16			162.4	-5491.2	-20357.9	354.8	-194.5	4.5	
1- 1			211.2	-1211.4	-29714.7	166.4	-50.5	5.9	

TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
4-16	si	3	Sx	85.1	0.0	147.8	269.8		
1- 1	si	7	Tz	4.8	-221.5	0.0	383.7		
1- 1	si	9	Ty	-10.2	0.0	-220.2	381.5		
1- 1	si	8	Si	9.0	-221.5	0.0	383.8		

----- PROGR. 36.

SOLLECITAZIONI :									
Caso			MZ	MY	MT	N	TZ	TY	
4-16			203.0	-3171.3	-20357.9	354.8	-194.5	2.3	
1- 1			264.0	-605.9	-29714.7	166.4	-50.5	2.9	

TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
4-16	si	3	Sx	56.5	0.0	147.8	262.1		
1- 1	si	7	Tz	4.3	-221.5	0.0	383.7		
1- 1	si	9	Ty	-3.1	0.0	-220.1	381.2		
1- 1	si	8	Si	9.6	-221.5	0.0	383.8		

----- PROGR. 48.

SOLLECITAZIONI :									
Caso			MZ	MY	MT	N	TZ	TY	
5-16			216.6	-1153.3	-20229.5	367.7	-142.5	0.0	
1- 1			281.6	-0.5	-29714.7	166.4	-50.5	0.0	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-16	si	3	Sx	31.9	0.0	146.9	256.4
1- 1	si	7	Tz	4.1	-221.5	0.0	383.7
1- 1	si	10	Ty	4.3	0.0	219.9	380.9
1- 1	si	8	Si	9.7	-221.5	0.0	383.8

60.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
4-12	203.0	2075.2	-20336.7	336.5	-189.8	-2.3	
1- 1	264.0	604.9	-29714.7	166.4	-50.5	-2.9	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-12	si	4	Sx	42.0	0.0	147.6	259.1
1- 1	si	7	Tz	4.3	-221.5	0.0	383.7
1- 1	si	10	Ty	-3.1	0.0	220.1	381.2
1- 1	si	8	Si	9.6	-221.5	0.0	383.8

72.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
4-12	162.4	4273.9	-20336.7	336.5	-189.8	-4.5	
1- 1	211.2	1210.3	-29714.7	166.4	-50.5	-5.9	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-12	si	4	Sx	69.1	0.0	147.6	264.9
1- 1	si	7	Tz	4.8	-221.5	0.0	383.7
1- 1	si	10	Ty	-10.2	0.0	220.2	381.5
1- 1	si	8	Si	9.0	-221.5	0.0	383.8

84.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
4-12	94.8	6537.4	-20336.7	336.5	-189.8	-6.8	
1- 1	123.2	1815.7	-29714.7	166.4	-50.5	-8.8	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-12	si	4	Sx	96.8	0.0	147.6	273.4
1- 1	si	7	Tz	5.7	-221.5	0.0	383.7
1- 1	si	10	Ty	-16.9	0.0	220.3	382.0
1- 1	si	8	Si	8.2	-221.5	0.0	383.7

96.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
4-12	0.0	8808.1	-20336.7	336.5	-189.8	-9.0	
1- 1	0.0	2421.1	-29714.7	166.4	-50.5	-11.7	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-12	si	1	Sx	124.3	0.0	147.6	284.3
1- 1	si	7	Tz	6.9	-221.5	0.0	383.7
1- 1	si	10	Ty	-23.4	0.0	220.5	382.6
1- 1	si	14	Si	34.2	-220.7	0.0	383.8

VERIFICA STABILITA` :

L0 = 96. |  
 Z | Lc = 96. | Ro = 5.61 | lm = 17.1 | Ncr = 1700360.7 | alfa(a) = 0.2100 | ki = 1.0000 |  
 Y | Lc = 96. | Ro = 4.08 | lm = 23.5 | Ncr = 900323.5 | alfa(a) = 0.2100 | ki = 0.9842 |  
 Caso 4- 1 - Nodo 2 - Asse Y  
 Ned = -289.1 | Mzeq = 187.7 | Myeq = 6897.3 | Ss = -100.5 ( 0.038 )

CASSONE\_S005 ( 5 ) stato limite ultimo - ASTA ( 860- 863 ) 700  
 0.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
4- 9	0.0	10584.6	18821.7	413.4	343.1	453.8	
1- 1	0.0	4002.2	28095.4	189.2	95.8	679.1	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4- 9	si	1	Sx	149.7	0.0	136.6	280.0
1- 1	si	14	Tz	53.0	241.9	0.0	422.3
1- 1	si	5	TySi	58.0	0.0	-258.6	451.7

7.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
4- 9	3347.5	8061.2	18821.7	413.4	343.1	452.4	
1- 1	5010.5	3294.3	28095.4	189.2	95.8	677.3	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4- 9	si	4	Sx	151.4	0.0	136.6	280.9
1- 1	si	14	Tz	94.8	241.8	0.0	429.4
1- 1	si	5	TySi	49.1	0.0	-258.5	450.4

15.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
4- 9	6684.6	5546.8	18821.7	413.4	343.1	451.0	
1- 1	10007.6	2586.4	28095.4	189.2	95.8	675.5	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4- 9	si	4	Sx	153.1	0.0	136.6	281.9
1- 1	si	14	Tz	136.5	241.7	0.0	440.3
1- 1	si	5	TySi	40.3	0.0	-258.4	449.3

22.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	14991.4	1878.6	28095.4	189.2	95.8	673.7	

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	180.4	0.0	204.0	396.7
1- 1	si	14	Tz	178.1	241.6	0.0	454.8
1- 1	si	5	Ty	31.4	0.0	-258.2	448.3

1-1	si	11	Si	170.5	0.0	-244.3	456.2		
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SOLLECITAZIONI :  
-----  
PROGR. 30.

Caso	MZ		MY	MT	N	TZ	TY		
1-1			19961.8	1170.7	28095.4	189.2	95.8	671.9	

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	4	Sx	221.0	0.0	204.0	416.7		
1-1	si	14	Tz	219.5	241.6	0.0	472.5		
1-1	si	5	Ty	22.5	0.0	-258.1	447.5		

-----  
PROGR. 37.

SOLLECITAZIONI :  
-----  
PROGR. 37.

Caso	MZ		MY	MT	N	TZ	TY		
1-1			24918.9	462.8	28095.4	189.2	95.8	670.1	

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	4	Sx	261.4	0.0	204.0	439.4		
1-1	si	14	Tz	260.8	241.5	0.0	492.9		
1-1	si	5	Ty	13.7	0.0	-257.9	446.9		

-----  
PROGR. 44.

SOLLECITAZIONI :  
-----  
PROGR. 44.

Caso	MZ		MY	MT	N	TZ	TY		
1-1			29862.5	-245.1	28095.4	189.2	95.8	668.3	

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	3	Sx	307.8	0.0	204.0	468.5		
1-1	si	14	Tz	302.0	241.4	0.0	515.8		
1-1	si	5	Ty	4.8	0.0	-257.8	446.5		

-----  
PROGR. 52.

SOLLECITAZIONI :  
-----  
PROGR. 52.

Caso	MZ		MY	MT	N	TZ	TY		
1-1			34792.8	-952.9	28095.4	189.2	95.8	666.5	

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	3	Sx	365.7	0.0	204.0	508.4		
1-1	si	14	Tz	343.0	241.3	0.0	540.7		
1-1	si	5	Ty	-4.0	0.0	-257.6	446.2		

-----  
PROGR. 59.

SOLLECITAZIONI :  
-----  
PROGR. 59.

Caso	MZ		MY	MT	N	TZ	TY		
1-1			39709.8	-1660.8	28095.4	189.2	95.8	664.7	

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	3	Sx	423.4	0.0	204.0	551.4		
1-1	si	14	Tz	383.9	241.2	0.0	567.4		
1-1	si	5	Ty	-12.9	0.0	-257.5	446.1		
1-1	si	16	Si	421.3	-224.2	0.0	572.9		

VERIFICA STABILITA` :

L0 = 59. |  
Z |Lc = 59. |Ro = 5.61 |lm = 10.5 |Ncr = 4477167.3 |alfa(a) = 0.2100 |ki = 1.0000 |  
Y |Lc = 59. |Ro = 4.08 |lm = 14.5 |Ncr = 2370614.1 |alfa(a) = 0.2100 |ki = 1.0000 |  
Caso 4-8 - Nodo 2 - Asse Y  
Ned = -337.3 |Mzeq = 19868.8 |Myeq = 6831.6 |Ss = -297.1 ( 0.113 )

CASSONE\_S005 ( 5 ) stato limite ultimo - ASTA ( 863- 862 ) 701  
-----  
PROGR. 0.

SOLLECITAZIONI :  
-----  
PROGR. 0.

Caso	MZ		MY	MT	N	TZ	TY		
1-1			39709.8	-1660.8	28095.4	189.2	95.8	-1585.3	

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	3	Sx	423.4	0.0	204.0	551.4		
1-1	si	13	Tz	-405.6	281.1	0.0	633.6		
1-1	si	5	Ty	-12.9	0.0	331.6	574.5		
1-1	si	16	Si	421.3	281.1	0.0	643.8		

-----  
PROGR. 3.

SOLLECITAZIONI :  
-----  
PROGR. 3.

Caso	MZ		MY	MT	N	TZ	TY		
1-1			34754.4	-1960.3	28095.4	189.2	95.8	-1586.1	

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	3	Sx	377.9	0.0	204.0	517.3		
1-1	si	13	Tz	-359.7	281.1	0.0	605.3		
1-1	si	5	Ty	-16.7	0.0	331.7	574.7		
1-1	si	16	Si	375.4	281.1	0.0	614.8		

-----  
PROGR. 6.

SOLLECITAZIONI :  
-----  
PROGR. 6.

Caso	MZ		MY	MT	N	TZ	TY		
1-1			29796.7	-2259.7	28095.4	189.2	95.8	-1586.9	

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	3	Sx	332.4	0.0	204.0	485.0		
1-1	si	13	Tz	-313.8	281.1	0.0	579.3		
1-1	si	5	Ty	-20.4	0.0	331.7	574.9		
1-1	si	12	Si	312.6	0.0	288.2	588.9		

-----  
PROGR. 9.

SOLLECITAZIONI :  
-----  
PROGR. 9.

Caso	MZ		MY	MT	N	TZ	TY		
1-1			24836.5	-2559.1	28095.4	189.2	95.8	-1587.6	

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	3	Sx	286.8	0.0	204.0	455.0		
1-1	si	13	Tz	-267.8	281.2	0.0	555.8		
1-1	si	5	Ty	-24.1	0.0	331.8	575.2		
1-1	si	6	Si	39.9	0.0	331.8	576.1		

-----  
PROGR. 12.

SOLLECITAZIONI :



Caso	MZ	MY	MT	N	TZ	TY
4-14	13260.6	-7966.1	18834.9	260.7	156.4	-1059.7
1- 1	19874.0	-2858.6	28095.4	189.2	95.8	-1588.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-14	si	3	Sx	242.4	0.0	136.7	338.9
1- 1	si	13	Tz	-221.9	281.2	0.0	535.2
1- 1	si	5	Ty	-27.9	0.0	331.9	575.5
1- 1	si	6	Si	43.7	0.0	331.9	576.4

PROGR. 16.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4-14	9948.2	-8561.0	18834.9	260.7	156.4	-1060.3
1- 1	14909.1	-3158.0	28095.4	189.2	95.8	-1589.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-14	si	3	Sx	216.9	0.0	136.7	321.1
1- 1	si	13	Tz	-175.9	281.2	0.0	517.9
1- 1	si	5	Ty	-31.6	0.0	331.9	575.8
1- 1	si	6	Si	47.4	0.0	331.9	576.8

PROGR. 19.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4-14	6634.0	-9163.6	18834.9	260.7	156.4	-1060.8
1- 1	9941.8	-3457.5	28095.4	189.2	95.8	-1589.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-14	si	3	Sx	191.5	0.0	136.7	304.6
1- 1	si	13	Tz	-129.9	281.3	0.0	504.2
1- 1	si	5	Ty	-35.4	0.0	332.0	576.1
1- 1	si	6	Si	51.2	0.0	332.0	577.3

PROGR. 22.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4-14	3317.9	-9774.5	18834.9	260.7	156.4	-1061.4
1- 1	4972.1	-3756.9	28095.4	189.2	95.8	-1590.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-14	si	3	Sx	166.2	0.0	136.7	289.3
1- 1	si	13	Tz	-83.9	281.3	0.0	494.4
1- 1	si	5	Ty	-39.1	0.0	332.0	576.4
1- 1	si	6	Si	54.9	0.0	332.0	577.7

PROGR. 25.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4-14	0.0	-10394.3	18834.9	260.7	156.4	-1062.0
1- 1	0.0	-4056.3	28095.4	189.2	95.8	-1591.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-14	si	3	Sx	141.0	0.0	136.7	275.6
1- 1	si	13	Tz	-37.8	281.3	0.0	488.7
1- 1	si	5	Ty	-42.9	0.0	332.1	576.8
1- 1	si	6	Si	58.7	0.0	332.1	578.2

VERIFICA STABILITA` :

L0 = 25. |  
 Z |Lc = 25. |Ro = 5.61 |lm = 4.5 |Ncr = 25020631.5 |alfa(a)=0.2100 |ki=1.0000 |  
 Y |Lc = 25. |Ro = 4.08 |lm = 6.1 |Ncr = 13248167.4 |alfa(a)=0.2100 |ki=1.0000 |  
 Caso 4- 3 - Nodo 2 - Asse Y  
 Ned = -184.6 |Mzeq = 19868.8 |Myeq = 8762.1 |Ss = -314.9 ( 0.120)

CASSONE\_S005 ( 5) stato limite ultimo - ASTA ( 859- 864) 702  
 ----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5-10	0.0	-12513.2	25.8	93.8	-550.5	2164.2
1- 1	0.0	-2144.9	266.9	176.3	-22.2	3244.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-10	si	2	Sx	160.5	0.0	0.2	160.5
1- 1	si	13	Tz	-16.8	-144.2	0.0	250.3
1- 1	si	5	Ty	-19.5	0.0	-263.2	456.2
1- 1	si	6	Si	34.2	0.0	-263.2	457.1

PROGR. 2.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5-10	3570.7	-11629.8	25.8	93.8	-550.5	2163.9
1- 1	5352.8	-2108.3	266.9	176.3	-22.2	3243.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-10	si	3	Sx	185.0	0.0	0.2	185.0
1- 1	si	13	Tz	-69.6	-144.2	0.0	259.2
1- 1	si	5	Ty	-19.0	0.0	-263.1	456.1
1- 1	si	6	Si	33.7	0.0	-263.1	457.0

PROGR. 3.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5-10	7140.9	-10749.7	25.8	93.8	-550.5	2163.6
1- 1	10704.9	-2071.8	266.9	176.3	-22.2	3243.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-10	si	3	Sx	209.4	0.0	0.2	209.4
1- 1	si	13	Tz	-122.4	-144.2	0.0	278.1
1- 1	si	5	Ty	-18.6	0.0	-263.1	456.1
1- 1	si	6	Si	33.3	0.0	-263.1	456.9

PROGR. 5.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
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5-14	10710.7	-10388.2	15.6	91.6	-232.3	2163.3	
1- 1	16056.4	-2035.2	266.9	176.3	-22.2	3243.1	
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-14	si	3	Sx	240.3	0.0	0.1	240.3
1- 1	si	13	Tz	-175.2	-144.1	0.0	305.0
1- 1	si	5	Ty	-18.1	0.0	-263.1	456.0
1- 1	si	6	Si	32.8	0.0	-263.1	456.8

7.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5-14	14279.9	-10042.0	15.6	91.6	-232.3	2163.0
1- 1	21407.2	-1998.7	266.9	176.3	-22.2	3242.7

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-14	si	3	Sx	271.4	0.0	0.1	271.4
1- 1	si	13	Tz	-228.0	-144.1	0.0	338.1
1- 1	si	5	Ty	-17.7	0.0	-263.0	455.9
1- 1	si	6	Si	32.4	0.0	-263.0	456.7

8.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5-14	17848.6	-9701.8	15.6	91.6	-232.3	2162.7
1- 1	26757.3	-1962.1	266.9	176.3	-22.2	3242.3

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-14	si	3	Sx	302.7	0.0	0.1	302.7
1- 1	si	13	Tz	-280.7	-144.1	0.0	375.7
1- 1	si	5	Ty	-17.2	0.0	-263.0	455.8
1- 1	si	6	Si	31.9	0.0	-263.0	456.6

10.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	32106.8	-1925.6	266.9	176.3	-22.2	3241.9

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	350.6	0.0	1.9	350.6
1- 1	si	13	Tz	-333.5	-144.1	0.0	416.5
1- 1	si	5	Ty	-16.8	0.0	-263.0	455.8
1- 1	si	6	Si	31.4	0.0	-263.0	456.6

12.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	37455.6	-1889.0	266.9	176.3	-22.2	3241.5

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	403.3	0.0	1.9	403.3
1- 1	si	13	Tz	-386.3	-144.1	0.0	459.9
1- 1	si	5	Ty	-16.3	0.0	-262.9	455.7
1- 1	si	16	Si	400.9	-144.1	0.0	472.3

13.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	42803.7	-1852.5	266.9	176.3	-22.2	3241.1

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	456.0	0.0	1.9	456.0
1- 1	si	13	Tz	-439.0	-144.1	0.0	505.0
1- 1	si	5	Ty	-15.8	0.0	-262.9	455.6
1- 1	si	16	Si	453.7	-144.1	0.0	517.8

## VERIFICA STABILITA` :

L0 = 13.  
 Z |Lc = 13. |Ro = 5.61 |lm = 2.4 |Ncr = 89749166.1 |alfa(a )=0.2100 |ki=1.0000  
 Y |Lc = 13. |Ro = 4.08 |lm = 3.2 |Ncr = 47521261.5 |alfa(a )=0.2100 |ki=1.0000  
 Caso 5- 7 - Nodo 2 - Asse Y  
 Ned = -23.5 |Mzeq = 21407.1 |Myeq = 10627.4 |Ss = -346.8 ( 0.132)

CASSONE\_S005 ( 5) stato limite ultimo - ASTA ( 864- 865) 703  
 ----- PROGR. 0.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	42803.7	-1852.5	266.9	176.3	-22.2	991.1
5-14	28551.6	-8734.3	15.6	22.3	-230.0	661.8

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	456.0	0.0	1.9	456.0
5-14	si	13	Tz	-381.3	-49.2	0.0	390.7
1- 1	si	5	Ty	-15.8	0.0	-81.7	142.5
1- 1	si	16	Si	453.7	-46.8	0.0	460.9

12.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	54592.7	-1588.6	266.9	176.3	-22.2	988.2
5-14	36421.4	-5998.7	15.6	22.3	-230.0	659.5

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	569.9	0.0	1.9	569.9
5-14	si	13	Tz	-428.7	-49.1	0.0	437.1
1- 1	si	5	Ty	-12.5	0.0	-81.5	141.7
1- 1	si	16	Si	567.9	-46.6	0.0	573.6

24.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	66346.9	-1324.7	266.9	176.3	-22.2	985.3
5-14	44264.5	-3276.6	15.6	22.3	-230.0	657.3

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
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## Posto di Controllo Centralizzato - Relazione di calcolo – Scala metallica e vano ascensore

1- 1	si	3	Sx	683.4	0.0	1.9	683.4
5-14	si	13	Tz	-476.0	-49.0	0.0	483.5
1- 1	si	5	Ty	-9.2	0.0	-81.3	141.1
1- 1	si	16	Si	681.8	-46.5	0.0	686.5

----- PROGR. 36.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	78066.4	-1060.8	266.9	176.3	-22.2	982.3
5-14	52080.9	-481.3	15.6	22.3	-230.0	655.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	796.6	0.0	1.9	796.6
5-14	si	13	Tz	-522.2	-48.9	0.0	529.0
1- 1	si	5	Ty	-5.9	0.0	-81.0	140.5
1- 1	si	16	Si	795.3	-46.4	0.0	799.4

----- PROGR. 48.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	89751.1	-796.9	266.9	176.3	-22.2	979.4
5-14	59870.5	2236.4	15.6	22.3	-230.0	652.8

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	909.5	0.0	1.9	909.5
5-14	si	13	Tz	-569.0	-48.8	0.0	575.3
1- 1	si	5	Ty	-2.6	0.0	-80.8	140.0
1- 1	si	16	Si	908.5	-46.3	0.0	912.0

----- PROGR. 60.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	101401.0	-533.0	266.9	176.3	-22.2	976.5
5-14	67633.4	4969.1	15.6	22.3	-230.0	650.5

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	1022.0	0.0	1.9	1022.0
5-14	si	13	Tz	-615.4	-48.7	0.0	621.2
1- 1	si	5	Ty	0.7	0.0	-80.6	139.5
1- 1	si	16	Si	1021.3	-46.1	0.0	1024.4

----- PROGR. 71.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	113016.2	-269.2	266.9	176.3	-22.2	973.6
5-14	75369.5	7817.7	15.6	22.3	-230.0	648.3

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	1134.1	0.0	1.9	1134.1
5-14	si	13	Tz	-660.2	-48.7	0.0	665.6
1- 1	si	5	Ty	4.0	0.0	-80.3	139.2
1- 1	si	16	Si	1133.8	-46.0	0.0	1136.6

----- PROGR. 83.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	124596.6	-5.3	266.9	176.3	-22.2	970.7
5-14	83078.9	10465.6	15.6	22.3	-230.0	646.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	1245.9	0.0	1.9	1246.0
5-14	si	13	Tz	-707.0	-48.6	0.0	712.0
1- 1	si	5	Ty	7.3	0.0	-80.1	138.9
1- 1	si	16	Si	1245.9	-45.9	0.0	1248.5

----- PROGR. 95.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	136142.3	258.6	266.9	176.3	-22.2	967.7
5-14	90761.6	13196.9	15.6	22.3	-230.0	643.8

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	1363.9	0.0	1.9	1363.9
5-14	si	13	Tz	-752.6	-48.5	0.0	757.3
1- 1	si	5	Ty	10.6	0.0	-79.9	138.7
1- 1	si	14	Si	1363.6	41.8	0.0	1365.5

## VERIFICA STABILITA` :

L0 = 95.  
 Z |Lc = 95. |Ro = 5.61 |lm = 17.0 |Ncr= 1721838.8 |alfa(a) = 0.2100 |ki = 1.0000 |  
 Y |Lc = 95. |Ro = 4.08 |lm = 23.4 |Ncr= 911695.9 |alfa(a) = 0.2100 |ki = 0.9846 |  
 Caso 5-13 - Nodo 2 - Asse Y  
 Ned = -32.7 |Mzeq = 77742.4 |Myeq = 9771.6 |Ss = -896.5 ( 0.342 )

CASSONE\_S005 ( 5 ) stato limite ultimo - ASTA ( 865- 862 ) 704  
 ----- PROGR. 0.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	136142.3	258.6	266.9	176.3	-22.2	-1282.3
5- 6	90729.5	-11818.7	27.1	-5.0	-347.4	-856.5

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	1363.9	0.0	1.9	1363.9
5- 6	si	14	Tz	768.5	-68.2	0.0	777.6
1- 1	si	5	Ty	10.6	0.0	105.2	182.5
1- 1	si	14	Si	1363.6	-59.4	0.0	1367.4

----- PROGR. 9.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	124078.3	466.9	266.9	176.3	-22.2	-1284.6
5- 6	82670.2	-8556.1	27.1	-5.0	-347.4	-858.3

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	1246.6	0.0	1.9	1246.6

## Posto di Controllo Centralizzato - Relazione di calcolo – Scala metallica e vano ascensore

5- 6	si 14	Tz	725.2	-68.3	0.0	734.8
1- 1	si 5	Ty	13.2	0.0	105.4	183.0
1- 1	si 14	Si	1246.0	-59.5	0.0	1250.2

PROGR.

19.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	111992.7	675.1	266.9	176.3	-22.2	-1286.9
5- 6	74594.2	-5293.8	27.1	-5.0	-347.4	-860.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si 4	Sx		1129.0	0.0	1.9	1129.0
5- 6	si 14	Tz		681.7	-68.4	0.0	691.9
1- 1	si 5	Ty		15.8	0.0	105.6	183.5
1- 1	si 14	Si		1128.2	-59.6	0.0	1132.9

PROGR.

28.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	99885.4	883.3	266.9	176.3	-22.2	-1289.2
5- 6	66501.5	-2035.2	27.1	-5.0	-347.4	-861.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si 4	Sx		1011.3	0.0	1.9	1011.3
5- 6	si 14	Tz		637.9	-68.4	0.0	648.8
1- 1	si 5	Ty		18.4	0.0	105.7	184.1
1- 1	si 14	Si		1010.2	-59.7	0.0	1015.5

PROGR.

38.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	87756.5	1091.5	266.9	176.3	-22.2	-1291.5
5- 6	58392.2	1146.5	27.1	-5.0	-347.4	-863.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si 4	Sx		893.3	0.0	1.9	893.3
5- 6	si 14	Tz		593.1	-68.5	0.0	604.9
1- 1	si 5	Ty		21.0	0.0	105.9	184.7
1- 1	si 14	Si		892.0	-59.8	0.0	898.0

PROGR.

47.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	75606.0	1299.8	266.9	176.3	-22.2	-1293.8
5- 6	50266.3	4527.3	27.1	-5.0	-347.4	-865.3

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si 4	Sx		775.2	0.0	1.9	775.2
5- 6	si 14	Tz		550.5	-68.6	0.0	563.1
1- 1	si 5	Ty		23.6	0.0	106.1	185.3
1- 1	si 14	Si		773.5	-59.9	0.0	780.5

PROGR.

56.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	63433.8	1508.0	266.9	176.3	-22.2	-1296.1
5- 6	42123.7	7782.8	27.1	-5.0	-347.4	-867.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si 4	Sx		656.8	0.0	1.9	656.8
5- 6	si 14	Tz		506.2	-68.7	0.0	520.0
1- 1	si 5	Ty		26.2	0.0	106.3	186.0
1- 1	si 14	Si		654.9	-60.0	0.0	663.1

PROGR.

66.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	51239.9	1716.2	266.9	176.3	-22.2	-1298.4
5- 6	33964.5	11045.3	27.1	-5.0	-347.4	-868.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si 4	Sx		538.2	0.0	1.9	538.2
5- 6	si 14	Tz		461.8	-68.7	0.0	476.9
1- 1	si 5	Ty		28.8	0.0	106.5	186.7
1- 1	si 14	Si		536.0	-60.1	0.0	546.0

PROGR.

75.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5- 6	25788.6	14309.3	27.1	-5.0	-347.4	-870.7
1- 1	39024.5	1924.5	266.9	176.3	-22.2	-1300.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5- 6	si 2	Sx		-435.6	0.0	0.2	435.6
5- 6	si 14	Tz		417.3	-68.8	0.0	434.0
1- 1	si 5	Ty		31.4	0.0	106.7	187.4
5- 6	si 10	Si		-418.6	0.0	70.9	436.2

## VERIFICA STABILITA` :

L0 = 75.  
 Z |Lc = 75. |Ro = 5.61|lm = 13.4|Ncr= 2765302.2|alfa(a)=0.2100|ki=1.0000|  
 Y |Lc = 75. |Ro = 4.08|lm = 18.4|Ncr= 1464199.1|alfa(a)=0.2100|ki=0.9973|  
 Caso 5- 6 - Nodo 2 - Asse Y  
 Ned = -5.0|Mzeq = 75852.2|Myeq = 10732.0|Ss = -888.5 ( 0.339)

CASSONE\_S005 ( 5) stato limite ultimo - ASTA ( 862- 858) 705  
 ----- PROGR. 0.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	96834.5	290.3	266.9	30.0	0.6	-2903.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si 4	Sx		967.5	0.0	1.9	967.5
1- 1	si 13	Tz		-958.0	127.6	0.0	983.2
1- 1	si 5	Ty		4.9	0.0	235.7	408.4

1-1	si	14	Si	967.1	-127.4	0.0	992.0	
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SOLLECITAZIONI :  
----- PROGR. 4.

Caso		MZ	MY	MT	N	TZ	TY	
1-1		84745.1	287.8	266.9	30.0	0.6	-2904.9	

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	847.2	0.0	1.9	847.3	
1-1	si	13	Tz	-837.9	127.6	0.0	866.6	
1-1	si	5	Ty	4.9	0.0	235.8	408.5	
1-1	si	14	Si	846.9	-127.5	0.0	875.2	

----- PROGR. 8.

SOLLECITAZIONI :  
----- PROGR. 8.

Caso		MZ	MY	MT	N	TZ	TY	
1-1		72651.4	285.3	266.9	30.0	0.6	-2905.9	

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	727.0	0.0	1.9	727.0	
1-1	si	13	Tz	-717.7	127.6	0.0	751.0	
1-1	si	5	Ty	4.8	0.0	235.9	408.6	
1-1	si	14	Si	726.6	-127.5	0.0	759.5	

----- PROGR. 12.

SOLLECITAZIONI :  
----- PROGR. 12.

Caso		MZ	MY	MT	N	TZ	TY	
1-1		60553.4	282.8	266.9	30.0	0.6	-2906.9	

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	606.7	0.0	1.9	606.7	
1-1	si	13	Tz	-597.5	127.7	0.0	637.1	
1-1	si	5	Ty	4.8	0.0	236.0	408.8	
1-1	si	14	Si	606.4	-127.6	0.0	645.4	

----- PROGR. 17.

SOLLECITAZIONI :  
----- PROGR. 17.

Caso		MZ	MY	MT	N	TZ	TY	
1-1		48451.2	280.4	266.9	30.0	0.6	-2907.9	

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	486.4	0.0	1.9	486.4	
1-1	si	13	Tz	-477.2	127.7	0.0	526.0	
1-1	si	5	Ty	4.8	0.0	236.1	408.9	
1-1	si	14	Si	486.0	-127.6	0.0	533.9	

----- PROGR. 21.

SOLLECITAZIONI :  
----- PROGR. 21.

Caso		MZ	MY	MT	N	TZ	TY	
1-1		36344.8	277.9	266.9	30.0	0.6	-2909.0	

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	366.0	0.0	1.9	366.0	
1-1	si	13	Tz	-356.9	127.8	0.0	419.9	
1-1	si	5	Ty	4.7	0.0	236.2	409.1	
1-1	si	14	Si	365.7	-127.7	0.0	427.3	

----- PROGR. 25.

SOLLECITAZIONI :  
----- PROGR. 25.

Caso		MZ	MY	MT	N	TZ	TY	
1-1		24234.1	275.4	266.9	30.0	0.6	-2910.0	

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	4	Sx	245.6	0.0	1.9	245.6	
1-1	si	13	Tz	-236.5	127.8	0.0	324.0	
1-1	si	5	TySi	4.7	0.0	236.2	409.2	

----- PROGR. 29.

SOLLECITAZIONI :  
----- PROGR. 29.

Caso		MZ	MY	MT	N	TZ	TY	
5-2		8106.9	4435.6	37.3	-78.6	-218.5	-1947.2	
1-1		12119.2	272.9	266.9	30.0	0.6	-2911.0	

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
5-2	si	2	Sx	-139.4	0.0	0.3	139.4	
1-1	si	13	Tz	-116.1	127.9	0.0	250.1	
1-1	si	5	TySi	4.7	0.0	236.3	409.3	

----- PROGR. 33.

SOLLECITAZIONI :  
----- PROGR. 33.

Caso		MZ	MY	MT	N	TZ	TY	
5-2		0.0	5189.8	37.3	-78.6	-218.5	-1948.0	
1-1		0.0	270.4	266.9	30.0	0.6	-2912.0	

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
5-2	si	2	Sx	-68.2	0.0	0.3	68.2	
1-1	si	13	Tz	4.3	127.9	0.0	221.6	
1-1	si	5	TySi	4.6	0.0	236.4	409.5	

----- PROGR. 33.

SOLLECITAZIONI :  
----- PROGR. 33.

Caso		MZ	MY	MT	N	TZ	TY	
4-16		0.0	-6263.2	439.5	-53.2	-63.0	78.6	
5-10		0.0	-2065.2	-3999.4	128.6	-65.8	75.9	

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
4-16	si	1	Sx	-80.6	0.0	3.2	80.8	
5-10	si	13	Tz	-17.9	-38.2	0.0	68.5	

----- PROGR. 33.

SOLLECITAZIONI :  
----- PROGR. 33.

Caso		MZ	MY	MT	N	TZ	TY	
5-10		0.0	5189.8	37.3	-78.6	-218.5	-1948.0	
1-1		0.0	270.4	266.9	30.0	0.6	-2912.0	

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
5-10	si	13	Tz	4.3	127.9	0.0	221.6	
1-1	si	5	TySi	4.6	0.0	236.4	409.5	

----- PROGR. 33.

5-10	si	9	Ty	-20.5	0.0	-38.2	69.2
4-16	si	9	Si	-80.6	0.0	-12.2	83.3

----- PROGR. 5.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4-16	395.4	-5951.5	439.5	-53.2	-63.0	77.6
5-10	382.1	-1747.1	-3999.4	128.6	-65.8	75.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-16	si	1	Sx	-80.6	0.0	3.2	80.8
5-10	si	13	Tz	-18.1	-38.1	0.0	68.5
5-10	si	9	Ty	-20.1	0.0	-38.1	69.0
4-16	si	9	Si	-80.4	0.0	-12.2	83.1

----- PROGR. 10.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4-16	786.1	-5642.2	439.5	-53.2	-63.0	76.7
5-10	759.3	-1435.6	-3999.4	128.6	-65.8	74.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-16	si	1	Sx	-80.6	0.0	3.2	80.8
5-10	si	13	Tz	-18.4	-38.1	0.0	68.5
5-10	si	9	Ty	-19.7	0.0	-38.1	68.8
4-16	si	9	Si	-80.1	0.0	-12.1	82.8

----- PROGR. 15.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4-16	1171.8	-5336.8	439.5	-53.2	-63.0	75.7
5-10	1131.7	-1136.1	-3999.4	128.6	-65.8	73.1

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-16	si	1	Sx	-80.7	0.0	3.2	80.9
5-10	si	13	Tz	-18.7	-38.1	0.0	68.5
5-10	si	9	Ty	-19.4	0.0	-38.0	68.6
4-16	si	9	Si	-79.9	0.0	-12.1	82.6

----- PROGR. 20.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4-16	1552.8	-5039.3	439.5	-53.2	-63.0	74.8
5-10	1499.3	-860.6	-3999.4	128.6	-65.8	72.1
1- 1	2041.1	-4155.8	-3320.6	-37.9	81.4	98.3

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-16	si	1	Sx	-80.7	0.0	3.2	80.9
5-10	si	13	Tz	-19.2	-38.0	0.0	68.6
5-10	si	9	Ty	-19.3	0.0	-38.0	68.5
1- 1	si	9	Si	-72.5	0.0	26.2	85.5

----- PROGR. 25.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	2535.7	-4567.8	-3320.6	-37.9	81.4	97.1
5-10	1862.1	-641.1	-3999.4	128.6	-65.8	71.2

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-84.0	0.0	24.1	93.8
5-10	si	13	Tz	-20.4	-38.0	0.0	68.9
5-10	si	9	Ty	-19.9	0.0	-37.9	68.7
1- 1	si	9	Si	-82.3	0.0	26.2	94.0

----- PROGR. 30.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	3024.0	-4979.8	-3320.6	-37.9	81.4	95.8
5-10	2220.0	-562.1	-3999.4	128.6	-65.8	70.2

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-94.0	0.0	24.1	102.8
5-10	si	13	Tz	-23.0	-37.9	0.0	69.6
5-10	si	9	Ty	-22.3	0.0	-37.9	69.3

----- PROGR. 35.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	3506.1	-5391.8	-3320.6	-37.9	81.4	94.6
5-10	2573.1	-737.4	-3999.4	128.6	-65.8	69.3

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-103.9	0.0	24.1	112.0
5-10	si	13	Tz	-28.5	-37.9	0.0	71.6
5-10	si	9	Ty	-27.7	0.0	-37.8	71.2

----- PROGR. 40.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	3981.8	-5803.8	-3320.6	-37.9	81.4	93.4
5-10	2921.4	960.5	-3999.4	128.6	-65.8	68.3

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-113.8	0.0	24.1	121.2
5-10	si	13	Tz	-12.9	-37.9	0.0	66.8
5-10	si	9	Ty	-9.7	0.0	-37.8	66.2

## VERIFICA STABILITA` :

L0 = 40.  
 Z | Lc = 40. | Ro = 5.61 | lm = 7.2 | Ncr = 9533848.3 | alfa(a) = 0.2100 | ki = 1.0000 |  
 Y | Lc = 40. | Ro = 4.08 | lm = 9.9 | Ncr = 5048074.8 | alfa(a) = 0.2100 | ki = 1.0000 |  
 Caso 4-16 - Nodo 1 - Asse Y  
 Ned = -53.2 | Mzeq = 2271.2 | Myeq = -6263.2 | Ss = -103.2 ( 0.039 )

CASSONE\_S005 ( 5 ) stato limite ultimo - ASTA ( 1049- 1051 ) 761  
 ----- PROGR. 0.

SOLLECITAZIONI :  
 Caso | MZ | MY | MT | N | TZ | TY |  
 1- 1 | 3981.8 | -5408.7 | 2213.8 | -37.9 | -72.2 | 153.6 |

TENSIONI (Sz= 0.00) :  
 Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
 1- 1 | si | 1 | Sx | -108.9 | 0.0 | 16.1 | 112.4 |  
 1- 1 | si | 13 | Tz | -102.1 | -29.1 | 0.0 | 113.9 |  
 1- 1 | si | 9 | TySi | -106.2 | 0.0 | -29.5 | 117.8 |

PROGR. 15.

SOLLECITAZIONI :  
 Caso | MZ | MY | MT | N | TZ | TY |  
 1- 1 | 6258.4 | -4326.2 | 2213.8 | -37.9 | -72.2 | 149.9 |

TENSIONI (Sz= 0.00) :  
 Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
 1- 1 | si | 1 | Sx | -117.9 | 0.0 | 16.1 | 121.2 |  
 1- 1 | si | 13 | Tz | -112.5 | -29.0 | 0.0 | 123.2 |  
 1- 1 | si | 9 | TySi | -113.8 | 0.0 | -29.3 | 124.6 |

PROGR. 30.

SOLLECITAZIONI :  
 Caso | MZ | MY | MT | N | TZ | TY |  
 1- 1 | 8479.9 | -3243.7 | 2213.8 | -37.9 | -72.2 | 146.3 |

TENSIONI (Sz= 0.00) :  
 Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
 1- 1 | si | 1 | Sx | -126.5 | 0.0 | 16.1 | 129.5 |  
 1- 1 | si | 13 | Tz Si | -122.4 | -28.8 | 0.0 | 132.2 |  
 1- 1 | si | 9 | Ty | -120.9 | 0.0 | -29.1 | 130.9 |

PROGR. 45.

SOLLECITAZIONI :  
 Caso | MZ | MY | MT | N | TZ | TY |  
 1- 1 | 10646.2 | -2161.2 | 2213.8 | -37.9 | -72.2 | 142.6 |

TENSIONI (Sz= 0.00) :  
 Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
 1- 1 | si | 1 | Sx | -134.5 | 0.0 | 16.1 | 137.3 |  
 1- 1 | si | 13 | Tz Si | -131.8 | -28.7 | 0.0 | 140.8 |  
 1- 1 | si | 9 | Ty | -127.4 | 0.0 | -28.9 | 136.9 |

PROGR. 60.

SOLLECITAZIONI :  
 Caso | MZ | MY | MT | N | TZ | TY |  
 1- 1 | 12757.5 | -1078.7 | 2213.8 | -37.9 | -72.2 | 138.9 |

TENSIONI (Sz= 0.00) :  
 Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
 1- 1 | si | 1 | Sx | -141.9 | 0.0 | 16.1 | 144.6 |  
 1- 1 | si | 13 | Tz Si | -140.5 | -28.5 | 0.0 | 149.0 |  
 1- 1 | si | 9 | Ty | -133.4 | 0.0 | -28.8 | 142.4 |

PROGR. 75.

SOLLECITAZIONI :  
 Caso | MZ | MY | MT | N | TZ | TY |  
 1- 1 | 14813.6 | 3.8 | 2213.8 | -37.9 | -72.2 | 135.2 |

TENSIONI (Sz= 0.00) :  
 Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
 1- 1 | si | 2 | Sx | -148.9 | 0.0 | 16.1 | 151.5 |  
 1- 1 | si | 13 | Tz Si | -148.8 | -28.4 | 0.0 | 156.7 |  
 1- 1 | si | 9 | Ty | -139.0 | 0.0 | -28.6 | 147.5 |

PROGR. 90.

SOLLECITAZIONI :  
 Caso | MZ | MY | MT | N | TZ | TY |  
 1- 1 | 16814.6 | 1086.3 | 2213.8 | -37.9 | -72.2 | 131.6 |

TENSIONI (Sz= 0.00) :  
 Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
 1- 1 | si | 2 | Sx Si | -182.3 | 0.0 | 16.1 | 184.4 |  
 1- 1 | si | 13 | Tz | -156.5 | -28.2 | 0.0 | 163.9 |  
 1- 1 | si | 9 | Ty | -144.0 | 0.0 | -28.4 | 152.2 |

PROGR. 105.

SOLLECITAZIONI :  
 Caso | MZ | MY | MT | N | TZ | TY |  
 1- 1 | 18760.6 | 2168.8 | 2213.8 | -37.9 | -72.2 | 127.9 |

TENSIONI (Sz= 0.00) :  
 Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
 1- 1 | si | 2 | Sx Si | -215.2 | 0.0 | 16.1 | 217.0 |  
 1- 1 | si | 13 | Tz | -163.6 | -28.0 | 0.0 | 170.7 |  
 1- 1 | si | 9 | Ty | -148.5 | 0.0 | -28.2 | 156.3 |

PROGR. 120.

SOLLECITAZIONI :  
 Caso | MZ | MY | MT | N | TZ | TY |  
 1- 1 | 20651.4 | 3251.4 | 2213.8 | -37.9 | -72.2 | 124.2 |

TENSIONI (Sz= 0.00) :  
 Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
 1- 1 | si | 2 | Sx Si | -247.6 | 0.0 | 16.1 | 249.1 |  
 1- 1 | si | 13 | Tz | -170.2 | -27.9 | 0.0 | 177.0 |  
 1- 1 | si | 9 | Ty | -152.5 | 0.0 | -28.0 | 160.0 |

VERIFICA STABILITA` :

L0 = 120. |  
 Z | Lc = 120. | Ro = 5.61 | lm = 21.4 | Ncr = 1085964.9 | alfa(a) = 0.2100 | ki = 0.9897 |  
 Y | Lc = 120. | Ro = 4.08 | lm = 29.4 | Ncr = 575007.3 | alfa(a) = 0.2100 | ki = 0.9683 |  
 Caso 1- 1 - Nodo 1 - Asse Y  
 Ned = -37.9 | Mzeq = 16393.7 | Myeq = -4056.5 | Ss = -215.4 ( 0.082 )

CASSONE\_S005 ( 5 ) stato limite ultimo - ASTA ( 1051- 860 ) 762  
 ----- PROGR. 0.

SOLLECITAZIONI :  
 Caso | MZ | MY | MT | N | TZ | TY |  
 1- 1 | 20651.4 | 4354.2 | -212.0 | -37.9 | 12.6 | 538.9 |  
 5-15 | 14254.3 | 4344.2 | 3877.8 | 55.9 | 54.9 | 353.1 |

TENSIONI (Sz= 0.00) :  
 Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
 1- 1 | si | 2 | Sx Si | -261.4 | 0.0 | 1.5 | 261.4 |  
 5-15 | si | 14 | Tz | 193.0 | 48.3 | 0.0 | 210.3 |

5-15	si	5	Ty	56.7	0.0	-56.6	113.2	
								3.

SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY	
1-1	si	22213.3	4317.6	-212.0	-37.9	12.6	538.2	
5-15		15277.5	4234.2	3877.8	55.9	54.9	352.6	

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	Si	-276.4	0.0	1.5	276.4
5-15	si	14	Tz		201.9	48.3	0.0	218.5
5-15	si	5	Ty		55.3	0.0	-56.5	112.5

SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY	
1-1		23773.1	4281.1	-212.0	-37.9	12.6	537.5	
5-15		16299.1	4134.8	3877.8	55.9	54.9	352.0	

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	Si	-291.5	0.0	1.5	291.5
5-15	si	14	Tz		210.9	48.3	0.0	226.9
5-15	si	5	Ty		54.1	0.0	-56.5	111.8

SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY	
1-1		25330.9	4244.6	-212.0	-37.9	12.6	536.8	
5-15		17319.2	4049.1	3877.8	55.9	54.9	351.5	

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	Si	-306.5	0.0	1.5	306.5
5-15	si	14	Tz		220.1	48.2	0.0	235.4
5-15	si	5	Ty		53.0	0.0	-56.5	111.2

SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY	
1-1		26886.7	4208.0	-212.0	-37.9	12.6	536.1	
5-15		18337.6	3980.6	3877.8	55.9	54.9	350.9	

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	Si	-321.5	0.0	1.5	321.5
5-15	si	14	Tz		229.4	48.2	0.0	244.2
5-15	si	5	Ty		52.1	0.0	-56.4	110.7

SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY	
1-1		28440.4	4171.5	-212.0	-37.9	12.6	535.4	
5-15		19354.5	3933.6	3877.8	55.9	54.9	350.4	

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	Si	-336.5	0.0	1.5	336.5
5-15	si	14	Tz		239.0	48.2	0.0	253.2
5-15	si	5	Ty		51.6	0.0	-56.4	110.4

SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY	
1-1		31541.5	4098.4	-212.0	-37.9	12.6	534.0	
5-15		21383.5	3920.6	3877.8	55.9	54.9	349.3	

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	Si	-366.4	0.0	1.5	366.4
5-15	si	14	Tz		259.0	48.1	0.0	272.1
5-15	si	5	Ty		51.4	0.0	-56.3	110.2

SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY	
1-1		33089.0	4061.8	-212.0	-37.9	12.6	533.3	
5-15		22395.7	3960.0	3877.8	55.9	54.9	348.7	

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	Si	-381.3	0.0	1.5	381.3
5-15	si	14	Tz		269.6	48.1	0.0	282.1
5-15	si	5	Ty		51.9	0.0	-56.2	110.4

VERIFICA STABILITA` :

L0 = 23. |  
 Z |Lc = 23. |Ro = 5.61|lm = 4.1|Ncr= 29053758.0|alfa(a)=0.2100|ki=1.0000|  
 Y |Lc = 23. |Ro = 4.08|lm = 5.7|Ncr= 15383666.4|alfa(a)=0.2100|ki=1.0000|  
 Caso 1- 1 - Nodo 2 - Asse Y  
 Ned = -37.9|Mzeq = 33089.0|Myeq = 4354.2|Ss = -385.0 ( 0.147)

CASSONE\_S005 ( 5) stato limite ultimo - ASTA ( 1065- 1067) 818  
 ----- PROGR. 0.

SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY	
1-1		-22824.1	6138.8	-801.3	-22.2	66.3	331.9	

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	-304.6	0.0	5.8	304.8
1-1	si	14	Tz		-158.7	26.1	0.0	165.0



## Posto di Controllo Centralizzato - Relazione di calcolo – Scala metallica e vano ascensore

1-1	si	5	Ty	75.9	0.0	-32.5	94.5		
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15.									

## SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY		
1-1		-17872.4	5144.2	-801.3	-22.2	66.3	328.3		

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	3	Sx	Si	-243.0	0.0	5.8	243.2	
1-1	si	14	Tz		-120.6	25.9	0.0	128.7	
1-1	si	5	Ty		63.5	0.0	-32.2	84.5	

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30.

## SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY		
1-1		-12975.9	4149.7	-801.3	-22.2	66.3	324.6		

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	3	Sx	Si	-181.8	0.0	5.8	182.1	
1-1	si	14	Tz		-83.2	25.8	0.0	94.4	
1-1	si	5	Ty		51.0	0.0	-32.0	75.3	

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45.

## SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY		
1-1		-8134.4	3155.1	-801.3	-22.2	66.3	320.9		

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	3	Sx	Si	-121.3	0.0	5.8	121.7	
1-1	si	14	Tz		-46.2	25.6	0.0	64.1	
1-1	si	5	Ty		38.6	0.0	-31.7	67.0	

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60.

## SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY		
1-1		-3348.1	2160.6	-801.3	-22.2	66.3	317.3		

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	3	Sx	Si	-61.2	0.0	5.8	62.1	
1-1	si	14	Tz		-9.9	25.4	0.0	45.2	
1-1	si	5	Ty		26.1	0.0	-31.4	60.3	
1-1	si	12	Si		-59.0	0.0	-15.5	64.9	

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75.

## SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY		
4-9		-1715.2	-932.7	600.2	-55.5	81.6	71.4		
1-1		1383.1	1166.0	-801.3	-22.2	66.3	313.6		

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
4-9	si	4	Sx	Si	-31.0	0.0	4.4	31.9	
1-1	si	14	Tz		26.0	25.3	0.0	50.9	
1-1	si	5	Ty		13.7	0.0	-31.1	55.5	
1-1	si	6	Si		-15.5	0.0	-31.1	56.0	

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90.

## SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY		
1-1		6059.2	171.5	-801.3	-22.2	66.3	309.9		

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	2	Sx	Si	-63.3	0.0	5.8	64.1	
1-1	si	14	Tz		61.2	25.1	0.0	75.1	
1-1	si	5	Ty		1.2	0.0	-30.8	53.3	
1-1	si	15	Si		-63.1	25.1	0.0	76.6	

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105.

## SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY		
1-1		10680.2	-823.1	-801.3	-22.2	66.3	306.2		

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	1	Sx	Si	-117.4	0.0	5.8	117.8	
1-1	si	14	Tz		96.0	25.0	0.0	105.3	
1-1	si	5	Ty		-11.2	0.0	-30.5	54.0	
1-1	si	13	Si		-116.4	-13.1	0.0	118.6	

-----  
120.

## SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY		
1-1		15246.1	-1817.6	-801.3	-22.2	66.3	302.6		

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	1	Sx	Si	-175.2	0.0	5.8	175.5	
1-1	si	14	Tz		130.2	24.8	0.0	137.1	
1-1	si	5	Ty		-23.7	0.0	-30.2	57.4	

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## VERIFICA STABILITA` :

L0 = 120.  
 Z | Lc = 120. | Ro = 5.61 | lm = 21.4 | Ncr = 1085964.9 | alfa(a) = 0.2100 | ki = 0.9897  
 Y | Lc = 120. | Ro = 4.08 | lm = 29.4 | Ncr = 575007.3 | alfa(a) = 0.2100 | ki = 0.9683  
 Caso 1-1 - Nodo 3 - Asse Y  
 Ned = -22.2 | Mzeq = -17118.1 | Myeq = 4604.1 | Ss = -228.7 ( 0.087)

CASSONE_S005 ( 5)	stato limite ultimo - ASTA ( 1067- 861)	819
-----		0.

## SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY		
1-1		15246.1	-2595.4	1655.2	248.0	-16.0	269.9		
5-15		2799.0	678.2	3705.8	-22.9	51.1	318.9		

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	3	Sx	Si	194.4	0.0	12.0	195.5	
5-15	si	14	Tz		34.5	45.2	0.0	85.6	
5-15	si	5	Ty		7.5	0.0	-52.6	91.4	
1-1	si	16	Si		191.1	-25.1	0.0	196.0	

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----- SOLLECITAZIONI :-----										PROGR.	3.
Caso	MZ	MY	MT	N	TZ	TY					
1- 1	16027.9	-2548.9	1655.2	248.0	-16.0	269.2					
5-15	3723.0	587.7	3705.8	-22.9	51.1	318.4					
TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massimi	Sx	Tz	Ty	Si				
1- 1	si	3	Sx	201.6	0.0	12.0	202.6				
5-15	si	14	Tz	42.7	45.2	0.0	89.2				
5-15	si	5	Ty	6.4	0.0	-52.5	91.2				
1- 1	si	16	Si	198.4	-25.1	0.0	203.1				
----- SOLLECITAZIONI :-----										PROGR.	6.
Caso	MZ	MY	MT	N	TZ	TY					
1- 1	16807.6	-2502.4	1655.2	248.0	-16.0	268.5					
5-15	4645.4	504.0	3705.8	-22.9	51.1	317.8					
TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massimi	Sx	Tz	Ty	Si				
1- 1	si	3	Sx	208.7	0.0	12.0	209.8				
5-15	si	14	Tz	50.9	45.2	0.0	93.4				
5-15	si	5	Ty	5.4	0.0	-52.5	91.1				
1- 1	si	16	Si	205.6	-25.1	0.0	210.1				
----- SOLLECITAZIONI :-----										PROGR.	9.
Caso	MZ	MY	MT	N	TZ	TY					
1- 1	17585.2	-2456.0	1655.2	248.0	-16.0	267.8					
5-15	5566.2	427.7	3705.8	-22.9	51.1	317.3					
TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massimi	Sx	Tz	Ty	Si				
1- 1	si	3	Sx	215.9	0.0	12.0	216.9				
5-15	si	14	Tz	59.2	45.2	0.0	98.1				
5-15	si	5	Ty	4.4	0.0	-52.4	90.9				
1- 1	si	16	Si	212.8	-25.0	0.0	217.2				
----- SOLLECITAZIONI :-----										PROGR.	12.
Caso	MZ	MY	MT	N	TZ	TY					
1- 1	18360.8	-2409.5	1655.2	248.0	-16.0	267.1					
5-15	6485.5	359.4	3705.8	-22.9	51.1	316.7					
TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massimi	Sx	Tz	Ty	Si				
1- 1	si	3	Sx	223.0	0.0	12.0	224.0				
5-15	si	14	Tz	67.6	45.2	0.0	103.3				
5-15	si	5	Ty	3.5	0.0	-52.4	90.8				
1- 1	si	16	Si	220.0	-25.0	0.0	224.2				
----- SOLLECITAZIONI :-----										PROGR.	14.
Caso	MZ	MY	MT	N	TZ	TY					
1- 1	19134.3	-2363.0	1655.2	248.0	-16.0	266.4					
5-15	7403.1	299.6	3705.8	-22.9	51.1	316.2					
TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massimi	Sx	Tz	Ty	Si				
1- 1	si	3	Sx	230.1	0.0	12.0	231.0				
5-15	si	14	Tz	76.0	45.1	0.0	109.0				
5-15	si	5	Ty	2.8	0.0	-52.4	90.7				
1- 1	si	16	Si	227.2	-25.0	0.0	231.2				
----- SOLLECITAZIONI :-----										PROGR.	17.
Caso	MZ	MY	MT	N	TZ	TY					
1- 1	19905.7	-2316.5	1655.2	248.0	-16.0	265.7					
5-15	8319.2	248.7	3705.8	-22.9	51.1	315.6					
TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massimi	Sx	Tz	Ty	Si				
1- 1	si	3	Sx	237.2	0.0	12.0	238.1				
5-15	si	14	Tz	84.5	45.1	0.0	115.1				
5-15	si	5	Ty	2.2	0.0	-52.3	90.6				
1- 1	si	16	Si	234.3	-24.9	0.0	238.2				
----- SOLLECITAZIONI :-----										PROGR.	20.
Caso	MZ	MY	MT	N	TZ	TY					
1- 1	20675.1	-2270.0	1655.2	248.0	-16.0	264.9					
5-15	9233.6	206.9	3705.8	-22.9	51.1	315.1					
TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massimi	Sx	Tz	Ty	Si				
1- 1	si	3	Sx	244.3	0.0	12.0	245.1				
5-15	si	14	Tz	93.2	45.1	0.0	121.6				
5-15	si	5	Ty	1.6	0.0	-52.3	90.6				
1- 1	si	16	Si	241.4	-24.9	0.0	245.2				
----- SOLLECITAZIONI :-----										PROGR.	23.
Caso	MZ	MY	MT	N	TZ	TY					
1- 1	21442.4	-2223.6	1655.2	248.0	-16.0	264.2					
5-15	10146.5	174.1	3705.8	-22.9	51.1	314.5					
TENSIONI (Sz= 0.00) :											
Caso	Ve	No	massimi	Sx	Tz	Ty	Si				
1- 1	si	3	Sx	251.3	0.0	12.0	252.2				
5-15	si	14	Tz	101.9	45.1	0.0	128.3				
5-15	si	5	Ty	1.2	0.0	-52.2	90.5				
1- 1	si	16	Si	248.5	-24.9	0.0	252.2				
----- VERIFICA STABILITA` :-----											
L0 =	23.										
Z	Lc = 23.	Ro = 5.61	lm = 4.1	Ncr = 29053758.0	alfa(a) = 0.2100	ki = 1.0000					
Y	Lc = 23.	Ro = 4.08	lm = 5.7	Ncr = 15383666.4	alfa(a) = 0.2100	ki = 1.0000					
Caso 4- 8 -	Nodo 2 -	Asse Y									
Ned =	-29.9	Mzeq =	10182.6	Myeq =	5198.6	Ss =	-167.5	( 0.064)			
CASSONE_S006 ( 6)	stato limite ultimo - ASTA ( 830- 822)							663			
-----										PROGR.	0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-25235.2	10794.8	6096.7	-3907.6	177.9	412.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	-563.3	0.0	45.0	568.6
1-1	si	14	Tz		-325.9	73.8	0.0	350.1
1-1	si	5	Ty		-3.7	0.0	-76.4	132.3

7.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-22399.9	9571.9	6096.7	-3894.2	177.9	412.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	-514.3	0.0	45.0	520.2
1-1	si	14	Tz		-303.9	73.8	0.0	329.7
1-1	si	5	Ty		-17.9	0.0	-76.4	133.5

14.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-19564.5	8349.0	6096.7	-3880.8	177.9	412.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	-465.4	0.0	45.0	471.9
1-1	si	14	Tz		-281.8	73.8	0.0	309.5
1-1	si	5	Ty		-32.1	0.0	-76.4	136.1

21.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-16729.2	7126.1	6096.7	-3867.4	177.9	412.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	-416.4	0.0	45.0	423.7
1-1	si	14	Tz		-259.7	73.8	0.0	289.5
1-1	si	5	Ty		-46.2	0.0	-76.4	140.1

28.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-13893.9	5903.2	6096.7	-3854.0	177.9	412.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	-367.5	0.0	45.0	375.7
1-1	si	14	Tz		-237.7	73.8	0.0	269.9
1-1	si	5	Ty		-60.4	0.0	-76.4	145.4

34.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-11058.6	4680.3	6096.7	-3840.6	177.9	412.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	-318.5	0.0	45.0	327.9
1-1	si	14	Tz		-215.6	73.8	0.0	250.7
1-1	si	5	Ty		-74.5	0.0	-76.4	151.8

41.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-8223.3	3457.4	6096.7	-3827.2	177.9	412.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	-269.6	0.0	45.0	280.6
1-1	si	14	Tz		-193.6	73.8	0.0	232.0
1-1	si	5	Ty		-88.7	0.0	-76.4	159.3

48.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-5388.0	2234.5	6096.7	-3813.8	177.9	412.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	-220.6	0.0	45.0	234.0
1-1	si	14	Tz		-171.5	73.8	0.0	213.9
1-1	si	5	Ty		-102.8	0.0	-76.4	167.6
1-1	si	16	Si		-216.4	-54.3	0.0	235.9

55.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4-11	-5957.4	941.0	601.2	-2744.1	20.0	189.9
1-1	-2552.7	1011.6	6096.7	-3800.4	177.9	412.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
4-11	si	3	Sx	Si	-175.6	0.0	4.4	175.8
1-1	si	14	Tz	Si	-149.4	73.8	0.0	196.7
1-1	si	5	Ty		-117.0	0.0	-76.4	176.6

VERIFICA STABILITA` :

L0 = 55.  
 Z | Lc = 55. | Ro = 3.77 | lm = 14.6 | Ncr = 2866998.1 | alfa(a) = 0.2100 | ki = 1.0000  
 Y | Lc = 55. | Ro = 3.77 | lm = 14.6 | Ncr = 2866998.1 | alfa(a) = 0.2100 | ki = 1.0000  
 Caso 1-1 - Nodo 3 - Asse Z  
 Ned = -3907.6 | Mzeq = -16162.2 | Myeq = 6881.5 | Ss = -408.5 ( 0.156)

CASSONE\_S006 ( 6 ) stato limite ultimo - ASTA ( 831- 832) 664  
 ----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	16126.3	-7953.4	2164.2	-3211.5	-92.0	-261.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	Si	-396.8	0.0	16.0	397.8

Posto di Controllo Centralizzato - Relazione di calcolo – Scala metallica e vano ascensore

1-1	si	14	Tz	3.8	-33.1	0.0	57.5
1-1	si	5	Ty	-204.1	0.0	35.9	213.4

----- PROGR. 18.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	11416.5	-6298.0	2164.2	-3176.3	-92.0	-261.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	Si	-319.6	0.0	16.0
1-1	si	14	Tz	Si	-34.7	-33.1	0.0
1-1	si	5	Ty	Si	-183.1	0.0	35.9

----- PROGR. 36.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	6706.7	-4642.7	2164.2	-3141.2	-92.0	-261.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	Si	-242.3	0.0	16.0
1-1	si	14	Tz	Si	-73.2	-33.1	0.0
1-1	si	5	Ty	Si	-162.2	0.0	35.9

----- PROGR. 54.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4-11	9614.5	-1354.8	-65.1	-2269.2	-9.8	3.7
1-1	1996.9	-2987.4	2164.2	-3106.1	-92.0	-261.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-11	si	1	Sx	Si	-208.2	0.0	0.5
1-1	si	14	Tz	Si	-111.6	-33.1	0.0
1-1	si	5	Ty	Si	-141.2	0.0	35.9

----- PROGR. 72.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4-7	-10361.3	-1118.8	1042.5	-2223.1	-6.8	-107.6
1-1	-2712.9	-1332.0	2164.2	-3071.0	-92.0	-261.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-7	si	4	Sx	Si	-212.7	0.0	7.7
1-1	si	14	Tz	Si	-150.1	-33.1	0.0
1-1	si	5	Ty	Si	-120.2	0.0	35.9

----- PROGR. 90.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4-7	-11942.1	-754.9	1042.5	-2199.2	-6.8	-107.6
1-1	-7422.7	323.3	2164.2	-3035.9	-92.0	-261.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-7	si	4	Sx	Si	-226.4	0.0	7.7
1-1	si	14	Tz	Si	-188.6	-33.1	0.0
1-1	si	5	Ty	Si	-99.3	0.0	35.9

----- PROGR. 108.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-12132.5	1978.7	2164.2	-3000.8	-92.0	-261.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	Si	-270.5	0.0	16.0
1-1	si	14	Tz	Si	-227.0	-33.1	0.0
1-1	si	5	Ty	Si	-78.3	0.0	35.9

----- PROGR. 126.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-16842.2	3634.0	2164.2	-2965.7	-92.0	-261.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	Si	-345.4	0.0	16.0
1-1	si	14	Tz	Si	-265.5	-33.1	0.0
1-1	si	5	Ty	Si	-57.3	0.0	35.9

----- PROGR. 144.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-21552.0	5289.3	2164.2	-2930.6	-92.0	-261.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	Si	-420.3	0.0	16.0
1-1	si	14	Tz	Si	-304.0	-33.1	0.0
1-1	si	5	Ty	Si	-36.3	0.0	35.9

----- PROGR. 144.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-21392.3	4663.5	2164.2	-2932.5	-949.9	-627.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	Si	-411.0	0.0	16.0
1-1	si	14	Tz	Si	-308.4	-97.2	0.0
1-1	si	11	Ty	Si	-258.6	0.0	94.3

----- PROGR. 4.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-21552.0	5289.3	2164.2	-2930.6	-92.0	-261.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	Si	-420.3	0.0	16.0
1-1	si	14	Tz	Si	-304.0	-33.1	0.0
1-1	si	5	Ty	Si	-36.3	0.0	35.9

----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-21392.3	4663.5	2164.2	-2932.5	-949.9	-627.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	Si	-411.0	0.0	16.0
1-1	si	14	Tz	Si	-308.4	-97.2	0.0
1-1	si	11	Ty	Si	-258.6	0.0	94.3

----- PROGR. 4.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-21552.0	5289.3	2164.2	-2930.6	-92.0	-261.7

1-1			-23746.7	8225.5	2164.2	-2925.2	-949.9	-627.8
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	0.0	16.0	482.2	
1-1	si	14	Tz		-300.6	0.0	344.5	
1-1	si	11	Ty		-239.4	0.0	289.9	

8.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-26101.1	11787.5	2164.2	-2917.9	-949.9	-627.8

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	Si	-551.9	0.0	552.5
1-1	si	14	Tz		-292.7	-97.2	337.6
1-1	si	11	Ty		-220.2	0.0	274.3

11.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-28455.6	15349.6	2164.2	-2910.6	-949.9	-627.8

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	Si	-622.3	0.0	622.9
1-1	si	14	Tz		-284.8	-97.2	330.8
1-1	si	11	Ty		-201.1	0.0	259.1

15.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-30810.0	18911.6	2164.2	-2903.3	-949.9	-627.8

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	Si	-692.7	0.0	693.3
1-1	si	14	Tz		-276.9	-97.2	324.1
1-1	si	11	Ty		-181.9	0.0	244.5

19.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-33164.4	22473.6	2164.2	-2896.0	-949.9	-627.8

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	Si	-763.2	0.0	763.7
1-1	si	14	Tz		-269.1	-97.2	317.4
1-1	si	11	Ty		-162.7	0.0	230.6

22.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-35518.9	26035.6	2164.2	-2888.7	-949.9	-627.8

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	Si	-833.6	0.0	834.1
1-1	si	14	Tz		-261.2	-97.2	310.7
1-1	si	11	Ty		-143.5	0.0	217.5

26.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-37873.3	29597.6	2164.2	-2881.3	-949.9	-627.8

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	Si	-904.1	0.0	904.5
1-1	si	14	Tz		-253.3	-97.2	304.2
1-1	si	11	Ty		-124.4	0.0	205.3

30.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-40227.7	33159.7	2164.2	-2874.0	-949.9	-627.8

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	Si	-974.5	0.0	974.9
1-1	si	14	Tz		-245.5	-97.2	297.6
1-1	si	11	Ty		-105.2	0.0	194.3

## VERIFICA STABILITA` :

$L0 = 30.$   
 $Z \quad Lc = 30. | Ro = 3.77 | lm = 8.0 | Ncr = 9636299.2 | \text{alfa}(a) = 0.2100 | ki = 1.0000 |$   
 $Y \quad Lc = 30. | Ro = 3.77 | lm = 8.0 | Ncr = 9636299.2 | \text{alfa}(a) = 0.2100 | ki = 1.0000 |$   
 Caso 1-1 - Nodo 3 - Asse Z  
 $Ned = -2932.5 | Mzeq = -32693.5 | Myeq = 21761.2 | Ss = -750.5 ( 0.287 )$

CASSONE\_S006 ( 6 ) stato limite ultimo - ASTA ( 834- 835 ) 666  
 ----- PROGR. 0.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	8844.2	3216.0	-2670.3	-2745.9	123.0	137.5

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	Si	-237.4	0.0	239.8
1-1	si	14	Tz		44.7	32.8	72.3
1-1	si	11	Ty		33.9	0.0	66.4

22.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	11937.6	447.9	-2670.3	-2702.0	123.0	137.5

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx		-239.8	0.0	242.2
1-1	si	14	Tz		55.4	32.8	79.4
1-1	si	11	Ty		33.4	0.0	66.1
1-1	si	15	Si		-238.9	32.8	245.6

45.

SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	15031.1	-2320.3	-2670.3	-2658.1	123.0	137.5		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	Si	-297.6	0.0	19.7	299.6
1-1	si	14	Tz		66.0	32.8	0.0	87.1
1-1	si	11	Ty		32.9	0.0	-33.0	65.9
							68.	
-----								
SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	18124.5	-5088.4	-2670.3	-2614.3	123.0	137.5		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	Si	-366.2	0.0	19.7	367.8
1-1	si	14	Tz		76.7	32.8	0.0	95.5
1-1	si	11	Ty		32.3	0.0	-33.0	65.6
							90.	
-----								
SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	21218.0	-7856.6	-2670.3	-2570.4	123.0	137.5		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	Si	-434.7	0.0	19.7	436.1
1-1	si	14	Tz		87.4	32.8	0.0	104.2
1-1	si	11	Ty		31.8	0.0	-33.0	65.3
							112.	
-----								
SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	24311.4	-10624.7	-2670.3	-2526.5	123.0	137.5		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	Si	-503.3	0.0	19.7	504.4
1-1	si	14	Tz		98.0	32.8	0.0	113.3
1-1	si	11	Ty		31.2	0.0	-33.0	65.1
							135.	
-----								
SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	27404.8	-13392.9	-2670.3	-2482.6	123.0	137.5		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	Si	-571.8	0.0	19.7	572.8
1-1	si	14	Tz		108.7	32.8	0.0	122.7
1-1	si	11	Ty		30.7	0.0	-33.0	64.8
							158.	
-----								
SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	30498.3	-16161.0	-2670.3	-2438.7	123.0	137.5		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	Si	-640.4	0.0	19.7	641.3
1-1	si	14	Tz		119.4	32.8	0.0	132.2
1-1	si	11	Ty		30.2	0.0	-33.0	64.6
							180.	
-----								
SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	33591.7	-18929.2	-2670.3	-2394.8	123.0	137.5		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	Si	-708.9	0.0	19.7	709.7
1-1	si	14	Tz		130.0	32.8	0.0	141.9
1-1	si	11	Ty		29.6	0.0	-33.0	64.3
-----								
VERIFICA STABILITA` :								
L0 = 180.								
Z	Lc = 180.	Ro = 3.77	lm = 47.7	Ncr = 267675.0	alfa(a) = 0.2100	ki = 0.9080		
Y	Lc = 180.	Ro = 3.77	lm = 47.7	Ncr = 267675.0	alfa(a) = 0.2100	ki = 0.9080		
Caso 1-1 - Nodo 1 - Asse Z								
Ned = -2745.9   Mzeq = 23692.7   Myeq = -10071.1   Ss = -510.4 ( 0.195)								
CASSONE_s006 ( 6) stato limite ultimo - ASTA ( 835- 824) 667								
							0.	
-----								
SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	35417.6	-27008.4	-2670.3	-2295.3	-329.1	-453.9		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	Si	-823.9	0.0	19.7	824.6
1-1	si	14	Tz		74.2	-58.8	0.0	125.9
1-1	si	11	Ty		-45.2	0.0	59.9	113.1
							17.	
-----								
SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	27757.7	-21454.1	-2670.3	-2262.4	-329.1	-453.9		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	Si	-664.9	0.0	19.7	665.8
1-1	si	14	Tz		39.5	-58.8	0.0	109.2
1-1	si	11	Ty		-54.6	0.0	59.9	117.2
							34.	
-----								
SOLLECITAZIONI :								
Caso	MZ	MY	MT	N	TZ	TY		
1-1	20097.8	-15899.8	-2670.3	-2229.5	-329.1	-453.9		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	Si	-505.9	0.0	19.7	507.0
1-1	si	14	Tz		4.8	-58.8	0.0	101.9
1-1	si	11	Ty		-64.0	0.0	59.9	121.8

----- PROGR. 51.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	12437.9	-10345.4	-2670.3	-2196.5	-329.1	-453.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	Si	-346.9	0.0	19.7	348.5
1- 1	si	14	Tz		-29.8	-58.8	0.0	106.1
1- 1	si	11	Ty		-73.4	0.0	59.9	127.0

----- PROGR. 68.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 7	14097.6	3332.2	-1357.6	-1464.4	-53.9	-232.6
1- 1	4778.0	-4791.1	-2670.3	-2163.6	-329.1	-453.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
4- 7	si	2	Sx	Si	-258.0	0.0	10.0	258.6
1- 1	si	14	Tz		-64.5	-58.8	0.0	120.5
1- 1	si	11	Ty		-82.8	0.0	59.9	132.7

----- PROGR. 84.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4-10	-11989.7	-3709.3	278.2	-1446.7	-76.6	51.5
1- 1	-2882.0	763.2	-2670.3	-2130.7	-329.1	-453.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
4-10	si	4	Sx	Si	-236.7	0.0	2.1	236.8
1- 1	si	14	Tz		-99.2	-58.8	0.0	142.1
1- 1	si	11	Ty		-92.2	0.0	59.9	138.7

----- PROGR. 101.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-10541.9	6317.5	-2670.3	-2097.8	-329.1	-453.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx	Si	-272.7	0.0	19.7	274.8
1- 1	si	14	Tz		-133.8	-58.8	0.0	168.1
1- 1	si	11	Ty		-101.6	0.0	59.9	145.2

----- PROGR. 118.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-18201.8	11871.9	-2670.3	-2064.9	-329.1	-453.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx	Si	-429.5	0.0	19.7	430.8
1- 1	si	14	Tz		-168.5	-58.8	0.0	196.8
1- 1	si	11	Ty		-111.0	0.0	59.9	151.9

----- PROGR. 135.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-25861.7	17426.2	-2670.3	-2032.0	-329.1	-453.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx	Si	-586.3	0.0	19.7	587.3
1- 1	si	14	Tz		-203.1	-58.8	0.0	227.2
1- 1	si	11	Ty		-120.4	0.0	59.9	158.9

## VERIFICA STABILITA` :

L0 = 135.  
 Z | Lc = 135. | Ro = 3.77 | lm = 35.8 | Ncr = 475866.6 | alfa(a) = 0.2100 | ki = 0.9495 |  
 Y | Lc = 135. | Ro = 3.77 | lm = 35.8 | Ncr = 475866.6 | alfa(a) = 0.2100 | ki = 0.9495 |  
 Caso 4- 6 - Nodo 1 - Asse Z  
 Ned = -1556.7 | Mzeq = 21497.9 | Myeq = -6787.1 | Ss = -394.8 ( 0.151 )

CASSONE\_S006 ( 6 ) stato limite ultimo - ASTA ( 824- 836 ) 668  
 ----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-24613.2	15235.4	6901.8	-1969.5	235.3	302.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx	Si	-543.1	0.0	51.0	550.2
1- 1	si	14	Tz		-208.1	77.9	0.0	248.0
1- 1	si	11	Ty		-131.9	0.0	-78.5	189.4

----- PROGR. 7.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-22458.2	13559.0	6901.8	-1955.6	235.3	302.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx	Si	-496.8	0.0	51.0	504.6
1- 1	si	14	Tz		-198.7	77.9	0.0	240.1
1- 1	si	11	Ty		-129.8	0.0	-78.5	187.9

----- PROGR. 14.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-20303.3	11882.7	6901.8	-1941.7	235.3	302.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx	Si	-450.5	0.0	51.0	459.1
1- 1	si	14	Tz		-189.3	77.9	0.0	232.4
1- 1	si	11	Ty		-127.8	0.0	-78.5	186.5

----- PROGR. 21.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-18148.3	10206.4	6901.8	-1927.8	235.3	302.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx	Si	-450.5	0.0	51.0	459.1
1- 1	si	14	Tz		-189.3	77.9	0.0	232.4
1- 1	si	11	Ty		-127.8	0.0	-78.5	186.5

1-1	si	3	Sx	Si	-404.3	0.0	51.0	413.8
1-1	si	14	Tz		-179.9	77.9	0.0	224.8
1-1	si	11	Ty		-125.7	0.0	-78.5	185.1

PROGR.

28.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-15993.3	8530.1	6901.8	-1913.9	235.3	302.5

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	-358.0	0.0	51.0	368.8
1-1	si	14	Tz		-170.5	77.9	0.0	217.4
1-1	si	11	Ty		-123.6	0.0	-78.5	183.7

PROGR.

36.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-13838.4	6853.7	6901.8	-1900.0	235.3	302.5

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	-311.8	0.0	51.0	324.0
1-1	si	14	Tz		-161.1	77.9	0.0	210.1
1-1	si	11	Ty		-121.5	0.0	-78.5	182.3

PROGR.

43.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-11683.4	5177.4	6901.8	-1886.1	235.3	302.5

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	-265.5	0.0	51.0	279.8
1-1	si	14	Tz		-151.7	77.9	0.0	203.0
1-1	si	11	Ty		-119.5	0.0	-78.5	180.9

PROGR.

50.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-9528.4	3501.1	6901.8	-1872.2	235.3	302.5

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	-219.3	0.0	51.0	236.4
1-1	si	14	Tz		-142.3	77.9	0.0	196.1
1-1	si	11	Ty		-117.4	0.0	-78.5	179.6

PROGR.

57.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-7373.5	1824.8	6901.8	-1858.3	235.3	302.5

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	-173.0	0.0	51.0	194.2
1-1	si	14	Tz		-132.9	77.9	0.0	189.3
1-1	si	11	Ty		-115.3	0.0	-78.5	178.2

## VERIFICA STABILITA` :

L0 = 57.  
 Z | Lc = 57. | Ro = 3.77 | lm = 15.1 | Ncr = 2669335.0 | alfa(a) = 0.2100 | ki = 1.0000  
 Y | Lc = 57. | Ro = 3.77 | lm = 15.1 | Ncr = 2669335.0 | alfa(a) = 0.2100 | ki = 1.0000  
 Caso 1-1 - Nodo 3 - Asse Z  
 Ned = -1969.5 | Mzeq = -17717.3 | Myeq = 9871.1 | Ss = -396.8 ( 0.152)

CASSONE\_S006 ( 6 ) stato limite ultimo - ASTA ( 837- 823 ) 669  
 0.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-25867.8	6264.1	5677.9	-4019.3	109.6	456.4

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	-520.5	0.0	41.9	525.5
1-1	si	14	Tz		-382.7	69.0	0.0	401.0
1-1	si	5	Ty		-61.7	0.0	-76.6	146.4

PROGR.

7.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-22730.3	5510.9	5677.9	-4005.9	109.6	456.4

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	-473.5	0.0	41.9	479.1
1-1	si	14	Tz		-352.4	69.0	0.0	372.1
1-1	si	5	Ty		-70.2	0.0	-76.6	150.2

PROGR.

14.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-19592.7	4757.8	5677.9	-3992.5	109.6	456.4

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	-426.6	0.0	41.9	432.7
1-1	si	14	Tz		-322.0	69.0	0.0	343.5
1-1	si	5	Ty		-78.8	0.0	-76.6	154.3

PROGR.

21.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-16455.2	4004.6	5677.9	-3979.1	109.6	456.4

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	-379.6	0.0	41.9	386.5
1-1	si	14	Tz		-291.6	69.0	0.0	315.1
1-1	si	5	Ty		-87.3	0.0	-76.6	158.9

PROGR.

28.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-13317.6	3251.4	5677.9	-3965.7	109.6	456.4

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	-379.6	0.0	41.9	386.5
1-1	si	14	Tz		-291.6	69.0	0.0	315.1
1-1	si	5	Ty		-87.3	0.0	-76.6	158.9



Posto di Controllo Centralizzato - Relazione di calcolo – Scala metallica e vano ascensore

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	-332.7	0.0	41.9	340.5
1-1	si	14	Tz	-261.2	69.0	0.0	287.3
1-1	si	5	Ty	-95.9	0.0	-76.6	163.7
1-1	si	16	Si	-326.5	-57.0	0.0	341.1

-----  
PROGR. 34.

SOLLECITAZIONI :  
Caso | MZ | MY | MT | N | TZ | TY |  
1-1 | -10180.1 | 2498.2 | 5677.9 | -3952.3 | 109.6 | 456.4 |

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	-285.7	0.0	41.9	294.8
1-1	si	14	Tz	-230.8	69.0	0.0	259.9
1-1	si	5	Ty	-104.4	0.0	-76.6	168.9
1-1	si	16	Si	-281.0	-57.0	0.0	297.8

-----  
PROGR. 41.

SOLLECITAZIONI :  
Caso | MZ | MY | MT | N | TZ | TY |  
1-1 | -7042.6 | 1745.0 | 5677.9 | -3938.8 | 109.6 | 456.4 |

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	-238.8	0.0	41.9	249.6
1-1	si	14	Tz	-200.4	69.0	0.0	233.4
1-1	si	5	Ty	-112.9	0.0	-76.6	174.3
1-1	si	16	Si	-235.5	-57.0	0.0	255.3

-----  
PROGR. 48.

SOLLECITAZIONI :  
Caso | MZ | MY | MT | N | TZ | TY |  
1-1 | -3905.0 | 991.8 | 5677.9 | -3925.4 | 109.6 | 456.4 |

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	-191.8	0.0	41.9	205.1
1-1	si	14	Tz	-170.0	69.0	0.0	207.9
1-1	si	5	Ty	-121.5	0.0	-76.6	179.9
1-1	si	16	Si	-190.0	-57.0	0.0	214.1

-----  
PROGR. 55.

SOLLECITAZIONI :  
Caso | MZ | MY | MT | N | TZ | TY |  
4-12 | -5551.6 | 814.2 | 646.1 | -2749.8 | 21.3 | 200.9 |

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	-169.5	0.0	4.8	169.7
1-1	si	14	Tz	-139.7	69.0	0.0	183.8
1-1	si	5	Ty	-130.0	0.0	-76.6	185.8
1-1	si	6	Si	-135.7	0.0	-76.6	189.8

-----  
VERIFICA STABILITA` :

|L0 = 55. |  
Z |Lc = 55. |Ro = 3.77 |lm = 14.6 |Ncr= 2866998.1 |alfa(a)=0.2100 |ki=1.0000 |  
Y |Lc = 55. |Ro = 3.77 |lm = 14.6 |Ncr= 2866998.1 |alfa(a)=0.2100 |ki=1.0000 |  
Caso 1- 1 - Nodo 3 - Asse Z  
Ned = -4019.3 |Mzeq = -15827.7 |Myeq = 3853.9 |Ss = -372.0 ( 0.142 )

CASSONE\_S006 ( 6 ) stato limite ultimo - ASTA ( 838- 839 ) 670  
-----  
PROGR. 0.

SOLLECITAZIONI :  
Caso | MZ | MY | MT | N | TZ | TY |  
1-1 | 14379.6 | -4540.3 | 2148.1 | -3343.3 | -54.8 | -249.0 |

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-339.6	0.0	15.9	340.7
1-1	si	14	Tz	12.7	-30.4	0.0	54.1
1-1	si	5	Ty	-167.8	0.0	34.8	178.3

-----  
PROGR. 18.

SOLLECITAZIONI :  
Caso | MZ | MY | MT | N | TZ | TY |  
1-1 | 9897.5 | -3554.3 | 2148.1 | -3308.2 | -54.8 | -249.0 |

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-273.1	0.0	15.9	274.5
1-1	si	14	Tz	-29.8	-30.4	0.0	60.4
1-1	si	5	Ty	-154.8	0.0	34.8	166.2

-----  
PROGR. 36.

SOLLECITAZIONI :  
Caso | MZ | MY | MT | N | TZ | TY |  
4-12 | 9809.1 | -1590.4 | -169.3 | -2321.0 | 0.8 | 5.4 |

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-215.1	0.0	1.3	215.1
1-1	si	14	Tz	-72.2	-30.4	0.0	89.4
1-1	si	5	Ty	-141.9	0.0	34.8	154.1

-----  
PROGR. 54.

SOLLECITAZIONI :  
Caso | MZ | MY | MT | N | TZ | TY |  
4-12 | 9420.0 | -1280.0 | -169.3 | -2297.0 | 0.8 | 5.4 |

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-205.9	0.0	1.3	205.9
1-1	si	14	Tz	-114.7	-30.4	0.0	126.2
1-1	si	5	Ty	-128.9	0.0	34.8	142.3

-----  
PROGR. 72.

SOLLECITAZIONI :  
Caso | MZ | MY | MT | N | TZ | TY |  
4- 8 | -10512.8 | -791.6 | 931.9 | -2294.9 | -1.9 | -105.3 |

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	-3548.7	-596.3	2148.1	-3202.8
1-1	si	14	Tz				
1-1	si	5	Ty				

TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
4- 8	si	4	Sx	Si	-213.0	0.0	6.9	213.4	
1- 1	si	14	Tz		-157.2	-30.4	0.0	165.7	
1- 1	si	5	Ty		-115.9	0.0	34.8	130.6	
----- PROGR. 90.									
SOLLECITAZIONI :									
Caso				MZ	MY	MT	N	TZ	TY
4- 8				-12049.3	-517.6	931.9	-2270.9	-1.9	-105.3
1- 1				-8030.8	389.7	2148.1	-3167.7	-54.8	-249.0
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
4- 8	si	4	Sx	Si	-227.3	0.0	6.9	227.6	
1- 1	si	14	Tz		-199.6	-30.4	0.0	206.5	
1- 1	si	5	Ty		-102.9	0.0	34.8	119.3	
----- PROGR. 108.									
SOLLECITAZIONI :									
Caso				MZ	MY	MT	N	TZ	TY
1- 1				-12512.9	1375.7	2148.1	-3132.6	-54.8	-249.0
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	3	Sx	Si	-272.4	0.0	15.9	273.7	
1- 1	si	14	Tz		-242.1	-30.4	0.0	247.8	
1- 1	si	5	Ty		-90.0	0.0	34.8	108.3	
----- PROGR. 126.									
SOLLECITAZIONI :									
Caso				MZ	MY	MT	N	TZ	TY
1- 1				-16995.0	2361.8	2148.1	-3097.5	-54.8	-249.0
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	3	Sx	Si	-336.5	0.0	15.9	337.6	
1- 1	si	14	Tz		-284.6	-30.4	0.0	289.4	
1- 1	si	5	Ty		-77.0	0.0	34.8	97.8	
----- PROGR. 144.									
SOLLECITAZIONI :									
Caso				MZ	MY	MT	N	TZ	TY
1- 1				-21477.1	3347.8	2148.1	-3062.4	-54.8	-249.0
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	3	Sx	Si	-400.7	0.0	15.9	401.6	
1- 1	si	14	Tz		-327.1	-30.4	0.0	331.3	
1- 1	si	5	Ty		-64.0	0.0	34.8	87.9	
-----									
VERIFICA STABILITA` :									
L0 =	144.								
Z	Lc = 144.	Ro = 3.77	lm = 38.2	Ncr= 418242.2	alfa(a)=0.2100	ki=0.9419			
Y	Lc = 144.	Ro = 3.77	lm = 38.2	Ncr= 418242.2	alfa(a)=0.2100	ki=0.9419			
Caso 4- 7	- Nod	4 - Asse Z							
Ned =	-2381.5	Mzeq = -13909.5	Myeq = -1442.7	Ss = -270.4	( 0.103)				
CASSONE_S006 ( 6)	stato limite ultimo - ASTA ( 839- 1057)			671					
----- PROGR. 0.									
SOLLECITAZIONI :									
Caso				MZ	MY	MT	N	TZ	TY
1- 1				-21381.5	1831.6	2148.1	-3044.1	-473.9	-579.1
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	3	Sx	Si	-380.8	0.0	15.9	381.8	
1- 1	si	14	Tz		-340.5	-68.6	0.0	360.7	
1- 1	si	11	Ty		-296.1	0.0	69.6	319.7	
----- PROGR. 4.									
SOLLECITAZIONI :									
Caso				MZ	MY	MT	N	TZ	TY
1- 1				-23553.0	3608.9	2148.1	-3036.7	-473.9	-579.1
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	3	Sx	Si	-427.7	0.0	15.9	428.6	
1- 1	si	14	Tz		-348.4	-68.6	0.0	368.1	
1- 1	si	11	Ty		-296.4	0.0	69.6	320.0	
----- PROGR. 8.									
SOLLECITAZIONI :									
Caso				MZ	MY	MT	N	TZ	TY
1- 1				-25724.5	5386.1	2148.1	-3029.4	-473.9	-579.1
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	3	Sx	Si	-474.6	0.0	15.9	475.4	
1- 1	si	14	Tz		-356.2	-68.6	0.0	375.5	
1- 1	si	11	Ty		-296.7	0.0	69.6	320.3	
----- PROGR. 11.									
SOLLECITAZIONI :									
Caso				MZ	MY	MT	N	TZ	TY
1- 1				-27896.0	7163.4	2148.1	-3022.1	-473.9	-579.1
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	3	Sx	Si	-521.6	0.0	15.9	522.3	
1- 1	si	14	Tz		-364.1	-68.6	0.0	383.0	
1- 1	si	11	Ty		-297.1	0.0	69.6	320.6	
----- PROGR. 15.									
SOLLECITAZIONI :									
Caso				MZ	MY	MT	N	TZ	TY
1- 1				-30067.4	8940.6	2148.1	-3014.8	-473.9	-579.1
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	3	Sx	Si	-568.5	0.0	15.9	569.2	
1- 1	si	14	Tz		-371.9	-68.6	0.0	390.5	
1- 1	si	11	Ty		-297.4	0.0	69.6	320.9	
----- PROGR. 19.									
SOLLECITAZIONI :									

## Posto di Controllo Centralizzato - Relazione di calcolo – Scala metallica e vano ascensore

Caso	MZ	MY	MT	N	TZ	TY		
1-1	-32238.9	10717.8	2148.1	-3007.5	-473.9	-579.1		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	-615.5	0.0	15.9	616.1
1-1	si	14	Tz		-379.8	-68.6	0.0	398.0
1-1	si	11	Ty		-297.7	0.0	69.6	321.1

PROGR. 22.

Caso	MZ	MY	MT	N	TZ	TY		
1-1	-34410.4	12495.1	2148.1	-3000.2	-473.9	-579.1		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	-662.4	0.0	15.9	663.0
1-1	si	14	Tz		-387.7	-68.6	0.0	405.5
1-1	si	11	Ty		-298.0	0.0	69.6	321.4

PROGR. 26.

Caso	MZ	MY	MT	N	TZ	TY		
1-1	-36581.9	14272.3	2148.1	-2992.9	-473.9	-579.1		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	-709.3	0.0	15.9	709.9
1-1	si	14	Tz		-395.5	-68.6	0.0	413.0
1-1	si	11	Ty		-298.3	0.0	69.6	321.7

PROGR. 30.

Caso	MZ	MY	MT	N	TZ	TY		
1-1	-38753.4	16049.6	2148.1	-2985.5	-473.9	-579.1		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	-756.3	0.0	15.9	756.8
1-1	si	14	Tz		-403.4	-68.6	0.0	420.5
1-1	si	11	Ty		-298.6	0.0	69.6	322.0

VERIFICA STABILITA` :

L0 = 30.  
 Z Lc = 30. | Ro = 3.77 | lm = 8.0 | Ncr = 9636299.2 | alfa(a) = 0.2100 | ki = 1.0000  
 Y Lc = 30. | Ro = 3.77 | lm = 8.0 | Ncr = 9636299.2 | alfa(a) = 0.2100 | ki = 1.0000  
 Caso 1-1 - Nodo 3 - Asse Z  
 Ned = -3044.1 | Mzeq = -31804.6 | Myeq = 10362.4 | Ss = -607.4 ( 0.232)

CASSONE\_S006 ( 6 ) stato limite ultimo - ASTA ( 841- 842 ) 672  
 0.

Caso	MZ	MY	MT	N	TZ	TY		
1-1	10269.5	2424.3	-2424.2	-2690.4	70.3	115.2		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	Si	-243.1	0.0	17.9	245.0
1-1	si	14	Tz		55.7	27.1	0.0	72.8
1-1	si	11	Ty		40.7	0.0	-27.5	62.6

PROGR. 22.

Caso	MZ	MY	MT	N	TZ	TY		
1-1	12860.9	843.2	-2424.2	-2646.5	70.3	115.2		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	2	Sx	Si	-253.6	0.0	17.9	255.5
1-1	si	14	Tz		72.2	27.1	0.0	86.1
1-1	si	11	Ty		49.3	0.0	-27.5	68.5
1-1	si	15	Si		-252.0	27.1	0.0	256.4

PROGR. 45.

Caso	MZ	MY	MT	N	TZ	TY		
1-1	15452.3	-738.0	-2424.2	-2602.7	70.3	115.2		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	Si	-281.9	0.0	17.9	283.6
1-1	si	14	Tz		88.8	27.1	0.0	100.5
1-1	si	11	Ty		57.9	0.0	-27.5	74.9

PROGR. 68.

Caso	MZ	MY	MT	N	TZ	TY		
1-1	18043.8	-2319.1	-2424.2	-2558.8	70.3	115.2		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	Si	-330.2	0.0	17.9	331.7
1-1	si	14	Tz		105.4	27.1	0.0	115.4
1-1	si	11	Ty		66.5	0.0	-27.5	81.8

PROGR. 90.

Caso	MZ	MY	MT	N	TZ	TY		
1-1	20635.2	-3900.3	-2424.2	-2514.9	70.3	115.2		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	Si	-378.6	0.0	17.9	379.9
1-1	si	14	Tz		122.0	27.1	0.0	130.7
1-1	si	11	Ty		75.1	0.0	-27.5	88.9

PROGR. 112.

Caso	MZ	MY	MT	N	TZ	TY		
1-1	23226.6	-5481.4	-2424.2	-2471.0	70.3	115.2		
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	1	Sx	Si	-427.0	0.0	17.9	428.1
1-1	si	14	Tz		138.6	27.1	0.0	146.3
1-1	si	11	Ty		83.7	0.0	-27.5	96.3

SOLLECITAZIONI : ----- PROGR. 135.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	25818.1	-7062.6	-2424.2	-2427.1	70.3	115.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	Si	-475.3	0.0	17.9	476.3
1- 1	si	14	Tz		155.2	27.1	0.0	162.1
1- 1	si	11	Ty		92.3	0.0	-27.5	103.9

SOLLECITAZIONI : ----- PROGR. 158.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	28409.5	-8643.7	-2424.2	-2383.2	70.3	115.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	Si	-523.7	0.0	17.9	524.6
1- 1	si	14	Tz		171.8	27.1	0.0	178.0
1- 1	si	11	Ty		100.9	0.0	-27.5	111.6

SOLLECITAZIONI : ----- PROGR. 180.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	31000.9	-10224.9	-2424.2	-2339.4	70.3	115.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	Si	-572.1	0.0	17.9	572.9
1- 1	si	14	Tz		188.3	27.1	0.0	194.1
1- 1	si	11	Ty		109.5	0.0	-27.5	119.4

VERIFICA STABILITA` :

L0 = 180.  
Z Lc = 180. | Ro = 3.77 | lm = 47.7 | Ncr= 267675.0 | alfa(a)=0.2100 | ki=0.9080 |  
Y Lc = 180. | Ro = 3.77 | lm = 47.7 | Ncr= 267675.0 | alfa(a)=0.2100 | ki=0.9080 |  
Caso 1- 1 - Nodo 1 - Asse Z  
Ned = -2690.4 | Mzeq = 22708.4 | Myeq = -5165.2 | Ss = -437.1 ( 0.167)

CASSONE\_s006 ( 6 ) stato limite ultimo - ASTA ( 842- 825) 673  
----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	32978.7	-14448.3	-2424.2	-2280.9	-160.1	-417.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	Si	-644.2	0.0	17.9	644.9
1- 1	si	14	Tz		171.6	-46.0	0.0	189.2
1- 1	si	5	Ty		-250.1	0.0	49.7	264.5

SOLLECITAZIONI : ----- PROGR. 17.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	25927.2	-11746.7	-2424.2	-2248.0	-160.1	-417.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	Si	-526.5	0.0	17.9	527.4
1- 1	si	14	Tz		115.5	-46.0	0.0	140.3
1- 1	si	5	Ty		-216.7	0.0	49.7	233.2

SOLLECITAZIONI : ----- PROGR. 34.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	18875.7	-9045.2	-2424.2	-2215.1	-160.1	-417.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	Si	-408.9	0.0	17.9	410.0
1- 1	si	14	Tz		59.5	-46.0	0.0	99.4
1- 1	si	5	Ty		-183.3	0.0	49.7	202.5

SOLLECITAZIONI : ----- PROGR. 51.

Caso	MZ	MY	MT	N	TZ	TY
4- 5	17440.1	-5612.7	-1319.4	-1484.3	-42.1	-226.8
1- 1	11824.1	-6343.7	-2424.2	-2182.2	-160.1	-417.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
4- 5	si	1	Sx	Si	-325.9	0.0	9.7	326.3
1- 1	si	14	Tz		3.5	-46.0	0.0	79.7
1- 1	si	5	Ty		-149.9	0.0	49.7	172.9

SOLLECITAZIONI : ----- PROGR. 68.

Caso	MZ	MY	MT	N	TZ	TY
4- 5	13980.4	-4936.5	-1319.4	-1461.9	-42.1	-226.8
1- 1	4772.6	-3642.1	-2424.2	-2149.3	-160.1	-417.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
4- 5	si	1	Sx	Si	-275.7	0.0	9.7	276.2
1- 1	si	14	Tz		-52.5	-46.0	0.0	95.4
1- 1	si	5	Ty		-116.5	0.0	49.7	144.8

SOLLECITAZIONI : ----- PROGR. 84.

Caso	MZ	MY	MT	N	TZ	TY
4-12	-11696.2	4165.6	352.3	-1434.1	-19.9	58.6
1- 1	-2279.0	-940.6	-2424.2	-2116.3	-160.1	-417.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
4-12	si	3	Sx	Si	-238.2	0.0	2.6	238.3
1- 1	si	14	Tz		-108.6	-46.0	0.0	134.7
1- 1	si	5	Ty		-83.1	0.0	49.7	119.6

SOLLECITAZIONI : ----- PROGR. 101.

Caso	MZ	MY	MT	N	TZ	TY
4-12	-11468.4	4557.6	352.3	-1411.6	-19.9	58.6
1- 1	-9330.5	1761.0	-2424.2	-2083.4	-160.1	-417.9

TENSIONI (Sz= 0.00) :																		
Caso	Ve	No	massimi	Sx	Tz	Ty	Si											
4-12	si	3	Sx	-239.4	0.0	2.6	239.5											
1-1	si	14	Tz	-164.6	-46.0	0.0	182.9											
1-1	si	5	Ty	-49.7	0.0	49.7	99.4											
----- PROGR. 118.																		
SOLLECITAZIONI :																		
Caso	MZ	MY	MT	N	TZ	TY												
1-1	-16382.1	4462.5	-2424.2	-2050.5	-160.1	-417.9												
TENSIONI (Sz= 0.00) :																		
Caso	Ve	No	massimi	Sx	Tz	Ty	Si											
1-1	si	3	Sx	-318.7	0.0	17.9	320.2											
1-1	si	14	Tz	-220.6	-46.0	0.0	234.6											
1-1	si	5	Ty	-16.3	0.0	49.7	87.6											
----- PROGR. 135.																		
SOLLECITAZIONI :																		
Caso	MZ	MY	MT	N	TZ	TY												
1-1	-23433.6	7164.1	-2424.2	-2017.6	-160.1	-417.9												
TENSIONI (Sz= 0.00) :																		
Caso	Ve	No	massimi	Sx	Tz	Ty	Si											
1-1	si	3	Sx	-434.1	0.0	17.9	435.3											
1-1	si	14	Tz	-276.6	-46.0	0.0	287.9											
1-1	si	5	Ty	17.1	0.0	49.7	87.7											
-----																		
VERIFICA STABILITA` :																		
L0	=	135.																
Z	Lc	=	135.	Ro	=	3.77	lm	=	35.8	Ncr	=	475866.6	alfa(a)	=	0.2100	ki	=	0.9495
Y	Lc	=	135.	Ro	=	3.77	lm	=	35.8	Ncr	=	475866.6	alfa(a)	=	0.2100	ki	=	0.9495
Caso 4- 5 - Nodo 1 - Asse Z																		
Ned	=	-1551.7	Mzeq	=	21211.8	Myeq	=	-6451.8	Ss	=	-387.1	( 0.148)						
CASSONE_S006 ( 6) stato limite ultimo - ASTA ( 825- 843) 674																		
----- PROGR. 0.																		
SOLLECITAZIONI :																		
Caso	MZ	MY	MT	N	TZ	TY												
1-1	-22365.8	5646.4	6340.3	-1846.2	81.0	250.9												
TENSIONI (Sz= 0.00) :																		
Caso	Ve	No	massimi	Sx	Tz	Ty	Si											
1-1	si	3	Sx	-397.4	0.0	46.8	405.6											
1-1	si	14	Tz	-273.3	62.9	0.0	294.2											
1-1	si	5	Ty	4.8	0.0	-65.9	114.2											
----- PROGR. 7.																		
SOLLECITAZIONI :																		
Caso	MZ	MY	MT	N	TZ	TY												
1-1	-20578.4	5069.4	6340.3	-1832.3	81.0	250.9												
TENSIONI (Sz= 0.00) :																		
Caso	Ve	No	massimi	Sx	Tz	Ty	Si											
1-1	si	3	Sx	-368.7	0.0	46.8	377.5											
1-1	si	14	Tz	-257.2	62.9	0.0	279.3											
1-1	si	5	Ty	-1.7	0.0	-65.9	114.1											
----- PROGR. 14.																		
SOLLECITAZIONI :																		
Caso	MZ	MY	MT	N	TZ	TY												
1-1	-18791.0	4492.5	6340.3	-1818.4	81.0	250.9												
TENSIONI (Sz= 0.00) :																		
Caso	Ve	No	massimi	Sx	Tz	Ty	Si											
1-1	si	3	Sx	-340.0	0.0	46.8	349.5											
1-1	si	14	Tz	-241.2	62.9	0.0	264.6											
1-1	si	5	Ty	-8.1	0.0	-65.9	114.4											
----- PROGR. 21.																		
SOLLECITAZIONI :																		
Caso	MZ	MY	MT	N	TZ	TY												
1-1	-17003.7	3915.5	6340.3	-1804.5	81.0	250.9												
TENSIONI (Sz= 0.00) :																		
Caso	Ve	No	massimi	Sx	Tz	Ty	Si											
1-1	si	3	Sx	-311.3	0.0	46.8	321.7											
1-1	si	14	Tz	-225.2	62.9	0.0	250.1											
1-1	si	5	Ty	-14.5	0.0	-65.9	115.1											
----- PROGR. 28.																		
SOLLECITAZIONI :																		
Caso	MZ	MY	MT	N	TZ	TY												
1-1	-15216.3	3338.6	6340.3	-1790.6	81.0	250.9												
TENSIONI (Sz= 0.00) :																		
Caso	Ve	No	massimi	Sx	Tz	Ty	Si											
1-1	si	3	Sx	-282.5	0.0	46.8	293.9											
1-1	si	14	Tz	-209.1	62.9	0.0	235.8											
1-1	si	5	Ty	-20.9	0.0	-65.9	116.0											
----- PROGR. 36.																		
SOLLECITAZIONI :																		
Caso	MZ	MY	MT	N	TZ	TY												
1-1	-13428.9	2761.6	6340.3	-1776.7	81.0	250.9												
TENSIONI (Sz= 0.00) :																		
Caso	Ve	No	massimi	Sx	Tz	Ty	Si											
1-1	si	3	Sx	-253.8	0.0	46.8	266.5											
1-1	si	14	Tz	-193.1	62.9	0.0	221.7											
1-1	si	5	Ty	-27.4	0.0	-65.9	117.4											
----- PROGR. 43.																		
SOLLECITAZIONI :																		
Caso	MZ	MY	MT	N	TZ	TY												
1-1	-11641.6	2184.6	6340.3	-1762.8	81.0	250.9												
TENSIONI (Sz= 0.00) :																		
Caso	Ve	No	massimi	Sx	Tz	Ty	Si											
1-1	si	3	Sx	-225.1	0.0	46.8	239.3											
1-1	si	14	Tz	-177.1	62.9	0.0	207.8											
1-1	si	5	Ty	-33.8	0.0	-65.9	119.0											
1-1	si	16	Si	-220.9	-53.9	0.0	239.9											
----- PROGR. 50.																		
SOLLECITAZIONI :																		

Caso	MZ	MY	MT	N	TZ	TY												
1-1	-9854.2	1607.7	6340.3	-1748.9	81.0	250.9												
TENSIONI (Sz= 0.00) :																		
Caso	Ve	No	massimi	Sx	Tz	Ty	Si											
1-1	si	3	Sx	-196.4	0.0	46.8	212.5											
1-1	si	14	Tz	-161.0	62.9	0.0	194.4											
1-1	si	5	Ty	-40.2	0.0	-65.9	121.0											
1-1	si	16	Si	-193.3	-53.9	0.0	214.7											
-----						PROGR.	57.											
SOLLECITAZIONI :																		
Caso	MZ	MY	MT	N	TZ	TY												
4-9	-8703.8	-2186.9	-697.4	-1171.8	41.6	183.7												
1-1	-8066.8	1030.7	6340.3	-1735.0	81.0	250.9												
TENSIONI (Sz= 0.00) :																		
Caso	Ve	No	massimi	Sx	Tz	Ty	Si											
4-9	si	4	Sx	-169.9	0.0	5.1	170.2											
1-1	si	14	Tz	-145.0	62.9	0.0	181.3											
1-1	si	5	Ty	-46.6	0.0	-65.9	123.3											
1-1	si	16	Si	-165.7	-53.9	0.0	190.2											
-----						PROGR.	57.											
VERIFICA STABILITA` :																		
L0	=	57.																
Z	Lc	=	57.	Ro	=	3.77	lm	=	15.1	Ncr	=	2669335.0	alfa(a)	=	0.2100	ki	=	1.0000
Y	Lc	=	57.	Ro	=	3.77	lm	=	15.1	Ncr	=	2669335.0	alfa(a)	=	0.2100	ki	=	1.0000
Caso 1-1 - Nodo 3 - Asse Z																		
Ned	=	-1846.2	Mzeq	=	-16646.2	Myeq	=	3800.1	Ss	=	-307.2	(	0.117	)				
CASSONE_S006 ( 6 ) stato limite ultimo - ASTA ( 844- 826 ) 675																		
-----						PROGR.	0.											
SOLLECITAZIONI :																		
Caso	MZ	MY	MT	N	TZ	TY												
1-1	-65974.8	9993.7	-4481.7	129.3	141.5	1524.1												
TENSIONI (Sz= 0.00) :																		
Caso	Ve	No	massimi	Sx	Tz	Ty	Si											
1-1	si	1	Sx	912.2	0.0	33.1	913.9											
1-1	si	14	Tz	-683.6	111.2	0.0	710.3											
1-1	si	5	Ty	123.8	0.0	-149.0	286.2											
-----						PROGR.	7.											
SOLLECITAZIONI :																		
Caso	MZ	MY	MT	N	TZ	TY												
1-1	-55496.7	9021.1	-4481.7	142.7	141.5	1524.1												
TENSIONI (Sz= 0.00) :																		
Caso	Ve	No	massimi	Sx	Tz	Ty	Si											
1-1	si	1	Sx	775.8	0.0	33.1	777.9											
1-1	si	14	Tz	-567.7	111.2	0.0	599.5											
1-1	si	5	Ty	112.6	0.0	-149.0	281.6											
-----						PROGR.	14.											
SOLLECITAZIONI :																		
Caso	MZ	MY	MT	N	TZ	TY												
1-1	-45018.6	8048.4	-4481.7	156.1	141.5	1524.1												
TENSIONI (Sz= 0.00) :																		
Caso	Ve	No	massimi	Sx	Tz	Ty	Si											
1-1	si	1	Sx	639.4	0.0	33.1	642.0											
1-1	si	14	Tz	-451.8	111.2	0.0	491.2											
1-1	si	5	Ty	101.5	0.0	-149.0	277.3											
1-1	si	13	Si	624.0	-95.7	0.0	645.7											
-----						PROGR.	21.											
SOLLECITAZIONI :																		
Caso	MZ	MY	MT	N	TZ	TY												
1-1	-34540.4	7075.7	-4481.7	169.5	141.5	1524.1												
TENSIONI (Sz= 0.00) :																		
Caso	Ve	No	massimi	Sx	Tz	Ty	Si											
1-1	si	1	Sx	503.0	0.0	33.1	506.3											
1-1	si	14	Tz	-335.9	111.2	0.0	387.3											
1-1	si	5	Ty	90.3	0.0	-149.0	273.4											
1-1	si	13	Si	489.5	-95.7	0.0	516.8											
-----						PROGR.	28.											
SOLLECITAZIONI :																		
Caso	MZ	MY	MT	N	TZ	TY												
1-1	-24062.3	6103.1	-4481.7	182.9	141.5	1524.1												
TENSIONI (Sz= 0.00) :																		
Caso	Ve	No	massimi	Sx	Tz	Ty	Si											
1-1	si	1	Sx	366.7	0.0	33.1	371.1											
1-1	si	14	Tz	-220.1	111.2	0.0	292.5											
1-1	si	5	Ty	79.1	0.0	-149.0	269.9											
1-1	si	13	Si	355.0	-95.7	0.0	391.8											
-----						PROGR.	34.											
SOLLECITAZIONI :																		
Caso	MZ	MY	MT	N	TZ	TY												
1-1	-13584.1	5130.4	-4481.7	196.4	141.5	1524.1												
TENSIONI (Sz= 0.00) :																		
Caso	Ve	No	massimi	Sx	Tz	Ty	Si											
1-1	si	1	Sx	230.3	0.0	33.1	237.3											
1-1	si	14	Tz	-104.2	111.2	0.0	219.0											
1-1	si	5	Ty	68.0	0.0	-149.0	266.9											
1-1	si	9	Si	204.3	0.0	-110.3	279.8											
-----						PROGR.	41.											
SOLLECITAZIONI :																		
Caso	MZ	MY	MT	N	TZ	TY												
1-1	-3106.0	4157.7	-4481.7	209.8	141.5	1524.1												
TENSIONI (Sz= 0.00) :																		
Caso	Ve	No	massimi	Sx	Tz	Ty	Si											
1-1	si	1	Sx	93.9	0.0	33.1	110.0											
1-1	si	14	Tz	11.7	111.2	0.0	193.0											
1-1	si	5	TySi	56.8	0.0	-149.0	264.2											
-----						PROGR.	48.											
SOLLECITAZIONI :																		
Caso	MZ	MY	MT	N	TZ	TY												
1-1																		

| 1- 1 | 7372.1 | 3185.1 | -4481.7 | 223.2 | 141.5 | 1524.1 |  
TENSIONI (Sz= 0.00) :  
Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
1- 1	si	4	Sx	133.7	0.0	33.1	145.5
1- 1	si	14	Tz	127.6	111.2	0.0	231.1
1- 1	si	5	Ty	45.6	0.0	-149.0	262.1

PROGR. 55.

SOLLECITAZIONI :  
Caso | MZ | MY | MT | N | TZ | TY |  
| 1- 1 | 17850.3 | 2212.4 | -4481.7 | 236.6 | 141.5 | 1524.1 |  
TENSIONI (Sz= 0.00) :  
Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
1- 1	si	4	Sx	247.8	0.0	33.1	254.3
1- 1	si	14	Tz	243.5	111.2	0.0	310.5
1- 1	si	5	Ty	34.5	0.0	-149.0	260.4

VERIFICA STABILITA` :

L0 = 55. |  
Z | Lc = 55. | Ro = 3.77 | lm = 14.6 | Ncr = 2866998.1 | alfa(a) = 0.2100 | ki = 1.0000 |  
Y | Lc = 55. | Ro = 3.77 | lm = 14.6 | Ncr = 2866998.1 | alfa(a) = 0.2100 | ki = 1.0000 |  
Caso 4- 2 - Nodo 3 - Asse Z  
Ned = -370.3 | Mz eq = -16654.3 | My eq = 2678.7 | Ss = -243.6 ( 0.093 )

CASSONE\_S006 ( 6 ) stato limite ultimo - ASTA ( 826- 845 ) 676  
PROGR. 0.

SOLLECITAZIONI :  
Caso | MZ | MY | MT | N | TZ | TY |  
| 1- 1 | 16561.9 | 2557.9 | 1414.2 | 258.0 | 69.5 | -97.1 |  
TENSIONI (Sz= 0.00) :  
Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
1- 1	si	4	Sx	237.2	0.0	10.4	237.9
1- 1	si	16	Tz	181.0	18.8	0.0	183.9
1- 1	si	9	Ty	-126.9	0.0	19.0	131.1

PROGR. 20.

SOLLECITAZIONI :  
Caso | MZ | MY | MT | N | TZ | TY |  
| 1- 1 | 14619.3 | 1167.0 | 1414.2 | 297.0 | 69.5 | -97.1 |  
TENSIONI (Sz= 0.00) :  
Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
1- 1	si	4	Sx	198.7	0.0	10.4	199.5
1- 1	si	16	Tz	173.1	18.8	0.0	176.1
1- 1	si	9	Ty	-122.7	0.0	19.0	127.0

PROGR. 40.

SOLLECITAZIONI :  
Caso | MZ | MY | MT | N | TZ | TY |  
| 1- 1 | 12676.7 | -224.0 | 1414.2 | 336.0 | 69.5 | -97.1 |  
TENSIONI (Sz= 0.00) :  
Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
1- 1	si	3	Sx	165.6	0.0	10.4	166.5
1- 1	si	16	Tz	165.1	18.8	0.0	168.3
1- 1	si	9	Ty	-118.5	0.0	19.0	123.0

PROGR. 60.

SOLLECITAZIONI :  
Caso | MZ | MY | MT | N | TZ | TY |  
| 1- 1 | 10734.1 | -1614.9 | 1414.2 | 375.0 | 69.5 | -97.1 |  
TENSIONI (Sz= 0.00) :  
Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
1- 1	si	3	Sx	160.3	0.0	10.4	161.3
1- 1	si	16	Tz	157.2	18.8	0.0	160.5
1- 1	si	9	Ty	-114.3	0.0	19.0	118.9

PROGR. 80.

SOLLECITAZIONI :  
Caso | MZ | MY | MT | N | TZ | TY |  
| 1- 1 | 8791.5 | -3005.8 | 1414.2 | 414.0 | 69.5 | -97.1 |  
TENSIONI (Sz= 0.00) :  
Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
1- 1	si	3	Sx	155.0	0.0	10.4	156.1
1- 1	si	16	Tz	149.3	18.8	0.0	152.8
1- 1	si	9	Ty	-110.1	0.0	19.0	114.9

PROGR. 100.

SOLLECITAZIONI :  
Caso | MZ | MY | MT | N | TZ | TY |  
| 1- 1 | 6848.9 | -4396.8 | 1414.2 | 453.0 | 69.5 | -97.1 |  
TENSIONI (Sz= 0.00) :  
Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
1- 1	si	3	Sx	149.8	0.0	10.4	150.9
1- 1	si	16	Tz	141.4	18.8	0.0	145.0
1- 1	si	9	Ty	-105.9	0.0	19.0	110.9

PROGR. 120.

SOLLECITAZIONI :  
Caso | MZ | MY | MT | N | TZ | TY |  
| 1- 1 | 4906.3 | -5787.7 | 1414.2 | 492.0 | 69.5 | -97.1 |  
TENSIONI (Sz= 0.00) :  
Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
1- 1	si	3	Sx	144.5	0.0	10.4	145.6
1- 1	si	16	Tz	133.4	18.8	0.0	137.3
1- 1	si	9	Ty	-101.7	0.0	19.0	106.9

PROGR. 140.

SOLLECITAZIONI :  
Caso | MZ | MY | MT | N | TZ | TY |  
| 1- 1 | 2963.7 | -7178.6 | 1414.2 | 531.0 | 69.5 | -97.1 |  
TENSIONI (Sz= 0.00) :  
Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
1- 1	si	3	Sx	139.2	0.0	10.4	140.4
1- 1	si	16	Tz	125.5	18.8	0.0	129.6
1- 1	si	9	Ty	-97.5	0.0	19.0	102.9

PROGR. 160.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	1021.2	-8569.6	1414.2	570.0	69.5	-97.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	134.0	0.0	10.4	135.2
1- 1	si	16	Tz	117.6	18.8	0.0	122.0
1- 1	si	9	Ty	-93.3	0.0	19.0	98.9
1- 1	si	12	Si	132.0	0.0	19.0	136.0

-----  
 VERIFICA STABILITA` :

L0 = 160.  
 Z Lc = 160. | Ro = 3.77 | lm = 42.4 | Ncr= 338776.1 | alfa(a )=0.2100 | ki=0.9277 |  
 Y Lc = 160. | Ro = 3.77 | lm = 42.4 | Ncr= 338776.1 | alfa(a )=0.2100 | ki=0.9277 |  
 Caso 5-16 - Nodo 1 - Asse Z  
 Ned = -1181.2 | Mzeq = 1995.2 | Myeq = -5794.4 | Ss = -136.7 ( 0.052 )

CASSONE\_S006 ( 6 ) stato limite ultimo - ASTA ( 845- 846 ) 677  
 -----  
 PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-17797.2	-11527.4	1414.2	-377.6	-195.7	230.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-363.2	0.0	10.4	363.7
1- 1	si	16	Tz	-109.8	-31.8	0.0	122.9
1- 1	si	9	Ty	28.1	0.0	-32.2	62.4

-----  
 PROGR. 18.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-13645.8	-8005.3	1414.2	-342.5	-195.7	230.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-270.3	0.0	10.4	270.9
1- 1	si	16	Tz	-94.3	-31.8	0.0	109.3
1- 1	si	9	Ty	29.7	0.0	-32.2	63.1

-----  
 PROGR. 36.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-9494.4	-4483.2	1414.2	-307.4	-195.7	230.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-177.5	0.0	10.4	178.4
1- 1	si	16	Tz	-78.9	-31.8	0.0	96.3
1- 1	si	9	Ty	31.3	0.0	-32.2	63.9

-----  
 PROGR. 54.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5- 8	-914.8	2362.6	465.1	-1402.4	-114.3	45.2
1- 1	-5343.0	-961.2	1414.2	-272.3	-195.7	230.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5- 8	si	3	Sx	-86.8	0.0	3.4	87.0
1- 1	si	16	Tz	-63.4	-31.8	0.0	84.1
1- 1	si	9	Ty	32.9	0.0	-32.2	64.7
5- 8	si	12	Si	-85.1	0.0	-11.2	87.2

-----  
 PROGR. 72.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5- 8	-84.7	3789.2	465.1	-1378.5	-114.3	45.2
1- 1	-1191.5	2560.9	1414.2	-237.2	-195.7	230.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5- 8	si	3	Sx	-93.1	0.0	3.4	93.3
1- 1	si	16	Tz	-48.0	-31.8	0.0	73.1
1- 1	si	9	Ty	34.5	0.0	-32.2	65.5
5- 8	si	12	Si	-93.0	0.0	-11.2	95.0

-----  
 PROGR. 90.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5- 8	692.2	5532.6	465.1	-1354.5	-114.3	45.2
1- 1	2959.9	6083.0	1414.2	-202.0	-195.7	230.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5- 8	si	2	Sx	-120.4	0.0	3.4	120.5
1- 1	si	16	Tz	-32.6	-31.8	0.0	64.0
1- 1	si	9	Ty	36.1	0.0	-32.2	66.4

-----  
 PROGR. 108.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	7111.3	9605.0	1414.2	-166.9	-195.7	230.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-205.4	0.0	10.4	206.2
1- 1	si	16	Tz	-17.1	-31.8	0.0	57.8
1- 1	si	9	Ty	37.7	0.0	-32.2	67.3

-----  
 PROGR. 126.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	11262.7	13127.1	1414.2	-131.8	-195.7	230.6

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-295.9	0.0	10.4	296.5
1- 1	si	16	Tz	-1.7	-31.8	0.0	55.2
1- 1	si	9	Ty	39.3	0.0	-32.2	68.2

-----  
 PROGR. 144.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	15414.1	16649.2	1414.2	-96.7	-195.7	230.6



```

TENSIONI (Sz= 0.00) :
| Caso | Ve | No | massimi | Sx | Tz | Ty | Si | |
| 1- 1 | si | 2 | Sx | Si | -386.4 | 0.0 | 10.4 | 386.8 |
| 1- 1 | si | 16 | Tz | | 13.8 | -31.8 | 0.0 | 56.9 |
| 1- 1 | si | 9 | Ty | | 40.9 | 0.0 | -32.2 | 69.1 |
-----
VERIFICA STABILITA` :
| L0 = 144. |
Z | Lc = 144. | Ro = 3.77 | lm = 38.2 | Ncr= 418242.2 | alfa(a )=0.2100 | ki=0.9419 |
Y | Lc = 144. | Ro = 3.77 | lm = 38.2 | Ncr= 418242.2 | alfa(a )=0.2100 | ki=0.9419 |
Caso 5- 7 - Nodo 3 - Asse Z
Ned = -1452.3 | Mzeq = -2629.6 | Myeq = 8526.4 | Ss = -186.1 ( 0.071 )
-----
CASSONE_S006 ( 6 ) stato limite ultimo - ASTA ( 846- 847 ) 678
-----
PROGR. 0.
SOLLECITAZIONI :
| Caso | MZ | MY | MT | N | TZ | TY |
| 1- 1 | -10756.0 | 21136.1 | 1414.2 | -1341.5 | 251.2 | 142.4 |
TENSIONI (Sz= 0.00) :
| Caso | Ve | No | massimi | Sx | Tz | Ty | Si | |
| 1- 1 | si | 3 | Sx | Si | -426.6 | 0.0 | 10.4 | 427.0 |
| 1- 1 | si | 14 | Tz | | 38.1 | 30.8 | 0.0 | 65.6 |
| 1- 1 | si | 11 | Ty | | 99.0 | 0.0 | -29.9 | 111.7 |
-----
PROGR. 10.
SOLLECITAZIONI :
| Caso | MZ | MY | MT | N | TZ | TY |
| 1- 1 | -9332.5 | 18623.7 | 1414.2 | -1322.0 | 251.2 | 142.4 |
TENSIONI (Sz= 0.00) :
| Caso | Ve | No | massimi | Sx | Tz | Ty | Si | |
| 1- 1 | si | 3 | Sx | Si | -379.0 | 0.0 | 10.4 | 379.4 |
| 1- 1 | si | 14 | Tz | | 30.5 | 30.8 | 0.0 | 61.5 |
| 1- 1 | si | 11 | Ty | | 84.0 | 0.0 | -29.9 | 98.6 |
-----
PROGR. 20.
SOLLECITAZIONI :
| Caso | MZ | MY | MT | N | TZ | TY |
| 1- 1 | -7909.0 | 16111.3 | 1414.2 | -1302.5 | 251.2 | 142.4 |
TENSIONI (Sz= 0.00) :
| Caso | Ve | No | massimi | Sx | Tz | Ty | Si | |
| 1- 1 | si | 3 | Sx | Si | -331.3 | 0.0 | 10.4 | 331.8 |
| 1- 1 | si | 14 | Tz | | 23.0 | 30.8 | 0.0 | 58.1 |
| 1- 1 | si | 11 | Ty | | 68.9 | 0.0 | -29.9 | 86.2 |
-----
PROGR. 30.
SOLLECITAZIONI :
| Caso | MZ | MY | MT | N | TZ | TY |
| 1- 1 | -6485.4 | 13598.9 | 1414.2 | -1283.0 | 251.2 | 142.4 |
TENSIONI (Sz= 0.00) :
| Caso | Ve | No | massimi | Sx | Tz | Ty | Si | |
| 1- 1 | si | 3 | Sx | Si | -283.6 | 0.0 | 10.4 | 284.1 |
| 1- 1 | si | 14 | Tz | | 15.4 | 30.8 | 0.0 | 55.6 |
| 1- 1 | si | 11 | Ty | | 53.8 | 0.0 | -29.9 | 74.7 |
-----
PROGR. 40.
SOLLECITAZIONI :
| Caso | MZ | MY | MT | N | TZ | TY |
| 1- 1 | -5061.9 | 11086.5 | 1414.2 | -1263.4 | 251.2 | 142.4 |
TENSIONI (Sz= 0.00) :
| Caso | Ve | No | massimi | Sx | Tz | Ty | Si | |
| 1- 1 | si | 3 | Sx | Si | -235.9 | 0.0 | 10.4 | 236.6 |
| 1- 1 | si | 14 | Tz | | 7.9 | 30.8 | 0.0 | 54.0 |
| 1- 1 | si | 11 | Ty | | 38.8 | 0.0 | -29.9 | 64.6 |
-----
PROGR. 50.
SOLLECITAZIONI :
| Caso | MZ | MY | MT | N | TZ | TY |
| 1- 1 | -3638.4 | 8574.1 | 1414.2 | -1243.9 | 251.2 | 142.4 |
TENSIONI (Sz= 0.00) :
| Caso | Ve | No | massimi | Sx | Tz | Ty | Si | |
| 1- 1 | si | 3 | Sx | Si | -188.2 | 0.0 | 10.4 | 189.0 |
| 1- 1 | si | 14 | Tz | | 0.3 | 30.8 | 0.0 | 53.4 |
| 1- 1 | si | 11 | Ty | | 23.7 | 0.0 | -29.9 | 56.9 |
-----
PROGR. 60.
SOLLECITAZIONI :
| Caso | MZ | MY | MT | N | TZ | TY |
| 1- 1 | -2214.9 | 6061.7 | 1414.2 | -1224.4 | 251.2 | 142.4 |
TENSIONI (Sz= 0.00) :
| Caso | Ve | No | massimi | Sx | Tz | Ty | Si | |
| 1- 1 | si | 3 | Sx | Si | -140.5 | 0.0 | 10.4 | 141.6 |
| 1- 1 | si | 14 | Tz | | -7.2 | 30.8 | 0.0 | 53.9 |
| 1- 1 | si | 11 | Ty | | 8.6 | 0.0 | -29.9 | 52.4 |
-----
PROGR. 70.
SOLLECITAZIONI :
| Caso | MZ | MY | MT | N | TZ | TY |
| 1- 1 | -791.3 | 3549.3 | 1414.2 | -1204.9 | 251.2 | 142.4 |
TENSIONI (Sz= 0.00) :
| Caso | Ve | No | massimi | Sx | Tz | Ty | Si | |
| 1- 1 | si | 3 | Sx | Si | -92.8 | 0.0 | 10.4 | 94.5 |
| 1- 1 | si | 14 | Tz | | -14.8 | 30.8 | 0.0 | 55.4 |
| 1- 1 | si | 11 | Ty | | -6.5 | 0.0 | -29.9 | 52.1 |
| 1- 1 | si | 12 | Si | | -91.3 | 0.0 | 14.2 | 94.5 |
-----
PROGR. 80.
SOLLECITAZIONI :
| Caso | MZ | MY | MT | N | TZ | TY |
| 4- 9 | 1522.2 | 615.5 | 622.2 | -1601.8 | 97.3 | 10.1 |
| 1- 1 | 632.2 | 1037.0 | 1414.2 | -1185.4 | 251.2 | 142.4 |
| 4-10 | 1520.4 | 602.1 | 644.4 | -1605.1 | 105.6 | 10.2 |
TENSIONI (Sz= 0.00) :
| Caso | Ve | No | massimi | Sx | Tz | Ty | Si | |
| 4- 9 | si | 2 | Sx | | -80.0 | 0.0 | 4.6 | 80.3 |
| 1- 1 | si | 14 | Tz | | -22.3 | 30.8 | 0.0 | 57.9 |
| 1- 1 | si | 11 | Ty | | -21.5 | 0.0 | -29.9 | 56.0 |

```

| 4-10|si|15|      Si|      -78.7|      11.0|      0.0|      81.0|

-----  
 VERIFICA STABILITA` :

|L0 = 80.0|  
 Z |Lc = 80.0|Ro = 3.77|lm = 21.2|Ncr= 1355104.6|alfa(a)=0.2100|ki=0.9902|  
 Y |Lc = 80.0|Ro = 3.77|lm = 21.2|Ncr= 1355104.6|alfa(a)=0.2100|ki=0.9902|  
 Caso 1- 1 - Nodo 3 - Asse Z  
 Ned = -1341.5|Mzeq = -6200.7|Myeq = 13096.4|Ss = -276.8 ( 0.106)

CASSONE\_S006 ( 6)      stato limite ultimo - ASTA ( 847- 848)      679  
 -----  
 PROGR.      0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 9	1522.2	615.5	622.2	-1601.8	93.0	71.1
1- 1	632.2	1037.0	1414.2	-1185.4	251.2	142.4
4-10	1520.4	602.1	644.4	-1605.1	99.3	71.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4- 9	si	2	Sx	-80.0	0.0	4.6	80.3
1- 1	si	14	Tz	-22.3	30.8	0.0	57.9
1- 1	si	11	Ty	-21.5	0.0	-29.9	56.0
4-10	si	15	Si	-78.7	13.5	0.0	82.1

-----  
 PROGR.      8.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4-14	1923.5	-721.9	573.8	-1635.6	97.3	69.1
1- 1	1771.0	-973.0	1414.2	-1169.8	251.2	142.4
4-10	2051.7	-707.2	644.4	-1594.4	99.3	71.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-14	si	1	Sx	-87.2	0.0	4.2	87.5
1- 1	si	14	Tz	-28.3	30.8	0.0	60.4
1- 1	si	11	Ty	-33.6	0.0	-29.9	61.7
4-10	si	1	Si	-87.1	0.0	4.8	87.5

-----  
 PROGR.      16.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	2909.8	-2982.9	1414.2	-1154.2	251.2	142.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-109.6	0.0	10.4	111.1
1- 1	si	14	Tz	-34.4	30.8	0.0	63.5
1- 1	si	11	Ty	-45.6	0.0	-29.9	69.0

-----  
 PROGR.      24.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	4048.6	-4992.8	1414.2	-1138.6	251.2	142.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-146.7	0.0	10.4	147.8
1- 1	si	14	Tz	-40.4	30.8	0.0	67.0
1- 1	si	11	Ty	-57.7	0.0	-29.9	77.5

-----  
 PROGR.      32.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	5187.5	-7002.7	1414.2	-1123.0	251.2	142.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-183.8	0.0	10.4	184.7
1- 1	si	14	Tz	-46.4	30.8	0.0	70.8
1- 1	si	11	Ty	-69.8	0.0	-29.9	86.8

-----  
 PROGR.      40.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	6326.3	-9012.6	1414.2	-1107.4	251.2	142.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-220.9	0.0	10.4	221.6
1- 1	si	14	Tz	-52.5	30.8	0.0	74.9
1- 1	si	11	Ty	-81.8	0.0	-29.9	96.8

-----  
 PROGR.      48.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	7465.1	-11022.5	1414.2	-1091.8	251.2	142.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-258.0	0.0	10.4	258.6
1- 1	si	14	Tz	-58.5	30.8	0.0	79.2
1- 1	si	11	Ty	-93.9	0.0	-29.9	107.2

-----  
 PROGR.      56.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	8603.9	-13032.4	1414.2	-1076.2	251.2	142.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-295.1	0.0	10.4	295.6
1- 1	si	14	Tz	-64.6	30.8	0.0	83.8
1- 1	si	11	Ty	-105.9	0.0	-29.9	117.9

-----  
 PROGR.      64.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	9742.7	-15042.4	1414.2	-1060.6	251.2	142.4

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-332.2	0.0	10.4	332.7
1- 1	si	14	Tz	-70.6	30.8	0.0	88.5
1- 1	si	11	Ty	-118.0	0.0	-29.9	128.8

## VERIFICA STABILITA` :

L0 = 64.  
 Z |Lc = 64. |Ro = 3.77|lm = 17.0|Ncr= 2117350.9|alfa(a)=0.2100|ki=1.0000|  
 Y |Lc = 64. |Ro = 3.77|lm = 17.0|Ncr= 2117350.9|alfa(a)=0.2100|ki=1.0000|  
 Caso 1- 1 - Nodo 1 - Asse Z  
 Ned = -1185.4|Mzeq = 6098.5|Myeq = -8610.6|Ss = -216.1 ( 0.083)

CASSONE\_S006 ( 6) stato limite ultimo - ASTA ( 848- 849) 680  
 0.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-11899.0	8659.5	1414.2	-2054.3	164.0	178.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx	Si	-315.4	0.0	10.4	316.0
1- 1	si	14	Tz		-125.0	27.7	0.0	133.9
1- 1	si	11	Ty		-85.7	0.0	-27.8	98.4

PROGR. 22.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-7876.7	4969.3	1414.2	-2010.5	164.0	178.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx	Si	-221.8	0.0	10.4	222.5
1- 1	si	14	Tz		-112.5	27.7	0.0	122.3
1- 1	si	11	Ty		-88.0	0.0	-27.8	100.3

PROGR. 45.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-3854.4	1279.1	1414.2	-1966.6	164.0	178.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx	Si	-128.1	0.0	10.4	129.4
1- 1	si	14	Tz		-100.0	27.7	0.0	110.9
1- 1	si	11	Ty		-90.2	0.0	-27.8	102.3

PROGR. 68.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	167.8	-2411.2	1414.2	-1922.7	164.0	178.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	Si	-96.1	0.0	10.4	97.8
1- 1	si	14	Tz		-87.5	27.7	0.0	99.8
1- 1	si	11	TySi		-92.4	0.0	-27.8	104.3

PROGR. 90.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	4190.1	-6101.4	1414.2	-1878.8	164.0	178.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	Si	-186.8	0.0	10.4	187.7
1- 1	si	14	Tz		-75.0	27.7	0.0	89.0
1- 1	si	11	Ty		-94.7	0.0	-27.8	106.2

PROGR. 112.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	8212.4	-9791.7	1414.2	-1834.9	164.0	178.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	Si	-277.5	0.0	10.4	278.0
1- 1	si	14	Tz		-62.5	27.7	0.0	78.8
1- 1	si	11	Ty		-96.9	0.0	-27.8	108.2

PROGR. 135.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	12234.7	-13481.9	1414.2	-1791.0	164.0	178.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	Si	-368.1	0.0	10.4	368.6
1- 1	si	14	Tz		-50.0	27.7	0.0	69.3
1- 1	si	11	Ty		-99.1	0.0	-27.8	110.2

PROGR. 158.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	16257.0	-17172.2	1414.2	-1747.1	164.0	178.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	Si	-458.8	0.0	10.4	459.2
1- 1	si	14	Tz		-37.5	27.7	0.0	60.9
1- 1	si	11	Ty		-101.4	0.0	-27.8	112.2

PROGR. 180.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	20279.3	-20862.4	1414.2	-1703.3	164.0	178.8

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	Si	-549.5	0.0	10.4	549.8
1- 1	si	14	Tz		-24.9	27.7	0.0	54.1
1- 1	si	11	Ty		-103.6	0.0	-27.8	114.3

## VERIFICA STABILITA` :

L0 = 180.  
 Z |Lc = 180. |Ro = 3.77|lm = 47.7|Ncr= 267675.0|alfa(a)=0.2100|ki=0.9080|  
 Y |Lc = 180. |Ro = 3.77|lm = 47.7|Ncr= 267675.0|alfa(a)=0.2100|ki=0.9080|  
 Caso 5- 5 - Nodo 1 - Asse Z  
 Ned = -1208.4|Mzeq = 6257.1|Myeq = -14745.0|Ss = -297.3 ( 0.114)

CASSONE\_S006 ( 6) stato limite ultimo - ASTA ( 849- 828) 681  
----- PROGR. 0.

SOLLECITAZIONI :  
| Caso | MZ | MY | MT | N | TZ | TY |  
| 1- 1 | 31973.7 | -28629.0 | 1414.2 | -1382.6 | -349.8 | -375.4 |  
TENSIONI (Sz= 0.00) :  
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	Si	-771.1	0.0	10.4	771.3
1- 1	si	14	Tz		47.7	-47.0	0.0	94.4
1- 1	si	11	Ty		-68.1	0.0	47.2	106.5
----- PROGR. 17.

SOLLECITAZIONI :  
| Caso | MZ | MY | MT | N | TZ | TY |  
| 1- 1 | 25638.9 | -22725.8 | 1414.2 | -1349.7 | -349.8 | -375.4 |  
TENSIONI (Sz= 0.00) :  
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	Si	-623.8	0.0	10.4	624.0
1- 1	si	14	Tz		32.4	-47.0	0.0	87.6
1- 1	si	11	Ty		-60.1	0.0	47.2	101.5
----- PROGR. 34.

SOLLECITAZIONI :  
| Caso | MZ | MY | MT | N | TZ | TY |  
| 1- 1 | 19304.1 | -16822.7 | 1414.2 | -1316.8 | -349.8 | -375.4 |  
TENSIONI (Sz= 0.00) :  
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	Si	-476.4	0.0	10.4	476.8
1- 1	si	14	Tz		17.1	-47.0	0.0	83.2
1- 1	si	11	Ty		-52.0	0.0	47.2	96.9
----- PROGR. 51.

SOLLECITAZIONI :  
| Caso | MZ | MY | MT | N | TZ | TY |  
| 1- 1 | 12969.2 | -10919.6 | 1414.2 | -1283.9 | -349.8 | -375.4 |  
TENSIONI (Sz= 0.00) :  
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	Si	-329.1	0.0	10.4	329.6
1- 1	si	14	Tz		1.8	-47.0	0.0	81.4
1- 1	si	11	Ty		-43.9	0.0	47.2	92.8
----- PROGR. 68.

SOLLECITAZIONI :  
Caso	MZ	MY	MT	N	TZ	TY
5- 5	2876.4	-10583.3	308.6	-994.5	-122.9	-47.9
1- 1	6634.4	-5016.5	1414.2	-1251.0	-349.8	-375.4
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
5- 5	si	1	Sx	Si	-194.6	0.0
1- 1	si	14	Tz		-13.6	-47.0
1- 1	si	11	Ty		-35.8	0.0
----- PROGR. 84.

SOLLECITAZIONI :  
Caso	MZ	MY	MT	N	TZ	TY
5-12	-2440.1	9324.8	254.0	-1001.9	-12.0	-80.7
1- 1	299.6	886.7	1414.2	-1218.0	-349.8	-375.4
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
5-12	si	3	Sx	Si	-174.6	0.0
1- 1	si	14	Tz		-28.9	-47.0
1- 1	si	11	Ty		-27.8	0.0
----- PROGR. 101.

SOLLECITAZIONI :  
| Caso | MZ | MY | MT | N | TZ | TY |  
| 1- 1 | -6035.3 | 6789.8 | 1414.2 | -1185.1 | -349.8 | -375.4 |  
TENSIONI (Sz= 0.00) :  
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx	Si	-193.5	0.0	10.4	194.3
1- 1	si	14	Tz		-44.2	-47.0	0.0	92.6
1- 1	si	11	Ty		-19.7	0.0	47.2	84.1
----- PROGR. 118.

SOLLECITAZIONI :  
| Caso | MZ | MY | MT | N | TZ | TY |  
| 1- 1 | -12370.1 | 12692.9 | 1414.2 | -1152.2 | -349.8 | -375.4 |  
TENSIONI (Sz= 0.00) :  
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx	Si	-338.6	0.0	10.4	339.1
1- 1	si	14	Tz		-59.5	-47.0	0.0	100.9
1- 1	si	11	Ty		-11.6	0.0	47.2	82.6
----- PROGR. 135.

SOLLECITAZIONI :  
| Caso | MZ | MY | MT | N | TZ | TY |  
| 1- 1 | -18704.9 | 18596.1 | 1414.2 | -1119.3 | -349.8 | -375.4 |  
TENSIONI (Sz= 0.00) :  
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx	Si	-483.7	0.0	10.4	484.1
1- 1	si	14	Tz		-74.9	-47.0	0.0	110.6
1- 1	si	11	Ty		-3.6	0.0	47.2	81.9

-----  
VERIFICA STABILITA` :

|L0 = 135. |  
Z |Lc = 135. |Ro = 3.77 |lm = 35.8 |Ncr= 475866.6 |alfa(a)=0.2100 |ki=0.9495 |  
Y |Lc = 135. |Ro = 3.77 |lm = 35.8 |Ncr= 475866.6 |alfa(a)=0.2100 |ki=0.9495 |  
Caso 1- 1 - Nodo 1 - Asse Z  
Ned = -1382.6 |Mzeq = 12789.5 |Myeq = -11451.6 |Ss = -340.0 ( 0.130)

CASSONE\_S006 ( 6) stato limite ultimo - ASTA ( 828- 850) 682  
----- PROGR. 0.

SOLLECITAZIONI :  
| Caso | MZ | MY | MT | N | TZ | TY |  
| 1- 1 | -19953.4 | 12864.7 | -11281.8 | -1097.9 | 136.6 | 237.1 |

TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	Si	-429.4	0.0	83.3
1- 1	si	14	Tz		-146.6	101.8	0.0
1- 1	si	11	Ty		-83.8	0.0	-102.6
-----							
PROGR. 7.							
SOLLECITAZIONI :							
Caso	MZ		MY	MT	N	TZ	TY
1- 1	-18264.3		11891.8	-11281.8	-1084.0	136.6	237.1
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	Si	-397.2	0.0	83.3
1- 1	si	14	Tz		-135.7	101.8	0.0
1- 1	si	11	Ty		-78.0	0.0	-102.6
-----							
PROGR. 14.							
SOLLECITAZIONI :							
Caso	MZ		MY	MT	N	TZ	TY
1- 1	-16575.2		10918.9	-11281.8	-1070.1	136.6	237.1
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	Si	-364.9	0.0	83.3
1- 1	si	14	Tz		-124.8	101.8	0.0
1- 1	si	11	Ty		-72.2	0.0	-102.6
-----							
PROGR. 21.							
SOLLECITAZIONI :							
Caso	MZ		MY	MT	N	TZ	TY
1- 1	-14886.1		9946.0	-11281.8	-1056.2	136.6	237.1
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	Si	-332.6	0.0	83.3
1- 1	si	14	Tz		-113.9	101.8	0.0
1- 1	si	11	Ty		-66.4	0.0	-102.6
-----							
PROGR. 28.							
SOLLECITAZIONI :							
Caso	MZ		MY	MT	N	TZ	TY
1- 1	-13197.0		8973.0	-11281.8	-1042.3	136.6	237.1
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	Si	-300.3	0.0	83.3
1- 1	si	14	Tz		-103.0	101.8	0.0
1- 1	si	11	Ty		-60.6	0.0	-102.6
-----							
PROGR. 36.							
SOLLECITAZIONI :							
Caso	MZ		MY	MT	N	TZ	TY
1- 1	-11507.9		8000.1	-11281.8	-1028.4	136.6	237.1
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	Si	-268.0	0.0	83.3
1- 1	si	14	Tz		-92.1	101.8	0.0
1- 1	si	11	Ty		-54.8	0.0	-102.6
-----							
PROGR. 43.							
SOLLECITAZIONI :							
Caso	MZ		MY	MT	N	TZ	TY
1- 1	-9818.9		7027.2	-11281.8	-1014.5	136.6	237.1
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	Si	-235.8	0.0	83.3
1- 1	si	14	Tz		-81.3	101.8	0.0
1- 1	si	11	Ty		-49.0	0.0	-102.6
-----							
PROGR. 50.							
SOLLECITAZIONI :							
Caso	MZ		MY	MT	N	TZ	TY
1- 1	-8129.8		6054.2	-11281.8	-1000.7	136.6	237.1
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	Si	-203.5	0.0	83.3
1- 1	si	14	Tz		-70.4	101.8	0.0
1- 1	si	11	Ty		-43.2	0.0	-102.6
-----							
PROGR. 57.							
SOLLECITAZIONI :							
Caso	MZ		MY	MT	N	TZ	TY
4-15	-10924.8		2449.6	-3747.6	-863.5	11.2	-35.1
1- 1	-6440.7		5081.3	-11281.8	-986.8	136.6	237.1
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-15	si	3	Sx	Si	-189.1	0.0	27.7
1- 1	si	14	Tz		-59.5	101.8	0.0
1- 1	si	11	Ty		-37.4	0.0	-102.6
1- 1	si	3	Si		-171.2	0.0	83.3
-----							
PROGR. 57.							
VERIFICA STABILITA` :							
L0 =	57.						
Z	Lc =	57.	Ro =	3.77	lm =	15.1	Ncr= 2669335.0
Y	Lc =	57.	Ro =	3.77	lm =	15.1	Ncr= 2669335.0
Caso 1- 1 - Nodo 3 - Asse Z							
Ned =	-1097.9						
Mzeq =	-14548.3						
Myeq =	9751.4						
Ss =	-327.8 ( 0.125)						
CASSONE_S006 ( 6) stato limite ultimo - ASTA ( 851- 827) 683							
-----							
PROGR. 0.							
SOLLECITAZIONI :							
Caso	MZ		MY	MT	N	TZ	TY
1- 1	-65042.0		6532.6	-2729.2	-4390.1	114.4	1506.1
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	Si	-1004.4	0.0	20.2
1- 1	si	14	Tz		-860.7	96.0	0.0
1- 1	si	5	Ty		-71.1	0.0	-134.7
-----							
PROGR. 7.							

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 -54687.4 5745.8 -2729.2 -4376.7 114.4 1506.1

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si  
 1- 1 si 3 Sx -870.8 0.0 20.2 871.5  
 1- 1 si 14 Tz -744.5 96.0 0.0 762.8  
 1- 1 si 5 Ty -80.0 0.0 -134.7 246.6  
 1- 1 si 16 Si -859.8 -83.4 0.0 871.9

PROGR. 14.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 -44332.7 4959.0 -2729.2 -4363.3 114.4 1506.1

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si  
 1- 1 si 3 Sx -737.2 0.0 20.2 738.0  
 1- 1 si 14 Tz -628.2 96.0 0.0 649.8  
 1- 1 si 5 Ty -89.0 0.0 -134.7 249.7  
 1- 1 si 16 Si -727.7 -83.4 0.0 741.9

PROGR. 21.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 -33978.1 4172.2 -2729.2 -4349.9 114.4 1506.1

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si  
 1- 1 si 3 Sx -603.6 0.0 20.2 604.6  
 1- 1 si 14 Tz -511.9 96.0 0.0 538.2  
 1- 1 si 5 Ty -97.9 0.0 -134.7 253.0  
 1- 1 si 16 Si -595.6 -83.4 0.0 612.9

PROGR. 28.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 -23623.4 3385.5 -2729.2 -4336.5 114.4 1506.1

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si  
 1- 1 si 3 Sx -470.0 0.0 20.2 471.3  
 1- 1 si 14 Tz -395.6 96.0 0.0 429.1  
 1- 1 si 5 Ty -106.8 0.0 -134.7 256.6  
 1- 1 si 16 Si -463.6 -83.4 0.0 485.5

PROGR. 34.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 -13268.7 2598.7 -2729.2 -4323.1 114.4 1506.1

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si  
 1- 1 si 3 Sx -336.4 0.0 20.2 338.3  
 1- 1 si 14 Tz -279.3 96.0 0.0 325.0  
 1- 1 si 5 Ty -115.8 0.0 -134.7 260.4  
 1- 1 si 16 Si -331.5 -83.4 0.0 361.6

PROGR. 41.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 -2914.1 1811.9 -2729.2 -4309.7 114.4 1506.1

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si  
 1- 1 si 3 Sx -202.9 0.0 20.2 205.8  
 1- 1 si 14 Tz -163.0 96.0 0.0 232.8  
 1- 1 si 5 Ty -124.7 0.0 -134.7 264.5  
 1- 1 si 6 Si -168.0 0.0 -134.7 287.5

PROGR. 48.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 7440.6 1025.1 -2729.2 -4296.3 114.4 1506.1

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si  
 1- 1 si 2 Sx -247.1 0.0 20.2 249.5  
 1- 1 si 14 Tz -46.7 96.0 0.0 172.7  
 1- 1 si 5 Ty -133.7 0.0 -134.7 268.9  
 1- 1 si 10 Si -232.9 0.0 -108.2 298.9

PROGR. 55.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 17795.3 238.3 -2729.2 -4282.9 114.4 1506.1

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si  
 1- 1 si 2 Sx -361.0 0.0 20.2 362.6  
 1- 1 si 14 Tz 69.6 96.0 0.0 180.2  
 1- 1 si 5 Ty -142.6 0.0 -134.7 273.4  
 1- 1 si 15 Si -360.5 96.0 0.0 397.0

VERIFICA STABILITA` :

L0 = 55.  
 Z Lc = 55. | Ro = 3.77 | lm = 14.6 | Ncr = 2866998.1 | alfa(a) = 0.2100 | ki = 1.0000  
 Y Lc = 55. | Ro = 3.77 | lm = 14.6 | Ncr = 2866998.1 | alfa(a) = 0.2100 | ki = 1.0000  
 Caso 1- 1 - Nodo 3 - Asse Z  
 Ned = -4390.1 | Mzeq = -31907.1 | Myeq = 4014.9 | Ss = -579.0 ( 0.221)

CASSONE\_S006 ( 6 ) stato limite ultimo - ASTA ( 827- 852) 684  
 ----- PROGR. 0.

SOLLECITAZIONI :  
 Caso MZ MY MT N TZ TY  
 1- 1 16489.5 541.6 610.2 -4259.9 27.0 -103.7

TENSIONI (Sz= 0.00) :  
 Caso Ve No massimi Sx Tz Ty Si  
 1- 1 si 2 Sx Si -348.2 0.0 4.5 348.3  
 1- 1 si 16 Tz 46.9 10.8 0.0 50.5  
 1- 1 si 5 Ty -138.2 0.0 12.4 139.9

PROGR. 20.

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	14416.1	2.3	610.2	-4220.9	27.0	-103.7

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-315.7	0.0	4.5	315.8
1- 1	si	16	Tz	28.9	10.8	0.0	34.4
1- 1	si	5	Ty	-143.3	0.0	12.4	144.9
1- 1	si	13	Si	-315.6	10.8	0.0	316.2

PROGR. 40.

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	12342.7	-537.0	610.2	-4181.9	27.0	-103.7

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-296.0	0.0	4.5	296.1
1- 1	si	16	Tz	10.8	10.8	0.0	21.6
1- 1	si	5	Ty	-148.5	0.0	12.4	150.0

PROGR. 60.

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	10269.4	-1076.3	610.2	-4142.9	27.0	-103.7

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-276.3	0.0	4.5	276.4
1- 1	si	16	Tz	-7.2	10.8	0.0	20.0
1- 1	si	5	Ty	-153.6	0.0	12.4	155.1

PROGR. 80.

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	8196.0	-1615.6	610.2	-4103.9	27.0	-103.7

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-256.6	0.0	4.5	256.8
1- 1	si	16	Tz	-25.2	10.8	0.0	31.4
1- 1	si	5	Ty	-158.7	0.0	12.4	160.1

PROGR. 100.

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	6122.6	-2154.9	610.2	-4064.9	27.0	-103.7

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-237.0	0.0	4.5	237.1
1- 1	si	16	Tz	-43.3	10.8	0.0	47.1
1- 1	si	5	Ty	-163.8	0.0	12.4	165.2

PROGR. 120.

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	4049.3	-2694.2	610.2	-4025.9	27.0	-103.7

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-217.3	0.0	4.5	217.5
1- 1	si	16	Tz	-61.3	10.8	0.0	64.1
1- 1	si	5	Ty	-168.9	0.0	12.4	170.3

PROGR. 140.

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	1975.9	-3233.5	610.2	-3986.9	27.0	-103.7

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-197.7	0.0	4.5	197.8
1- 1	si	16	Tz	-79.4	10.8	0.0	81.5
1- 1	si	5	Ty	-174.1	0.0	12.4	175.4

PROGR. 160.

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-97.4	-3772.8	610.2	-3947.9	27.0	-103.7

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-180.3	0.0	4.5	180.5
1- 1	si	16	Tz	-97.4	10.8	0.0	99.2
1- 1	si	5	Ty	-179.2	0.0	12.4	180.5
1- 1	si	11	Si	-180.2	0.0	9.0	180.8

VERIFICA STABILITA` :

L0 = 160.  
Z Lc = 160. |Ro = 3.77|lm = 42.4|Ncr= 338776.1|alfa(a)=0.2100|ki=0.9277|  
Y Lc = 160. |Ro = 3.77|lm = 42.4|Ncr= 338776.1|alfa(a)=0.2100|ki=0.9277|  
Caso 1- 1 - Nodo 1 - Asse Z  
Ned = -4259.9|Mzeq = 9854.7|Myeq = -2047.0|Ss = -300.0 ( 0.115)

CASSONE\_S006 ( 6) stato limite ultimo - ASTA ( 852- 853) 685  
----- PROGR. 0.

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-14790.6	-6110.7	610.2	-3416.2	-104.0	188.7

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-365.8	0.0	4.5	365.9
1- 1	si	16	Tz	-231.4	-18.9	0.0	233.8
1- 1	si	9	Ty	-40.6	0.0	-19.7	53.0

PROGR. 18.

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-11394.1	-4238.8	610.2	-3381.1	-104.0	188.7

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-301.6	0.0	4.5	301.7

1- 1	si	16	Tz	-208.5	-18.9	0.0	211.0		
1- 1	si	9	Ty	-51.1	0.0	-19.7	61.5		

-----  
 PROGR. 36.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-7997.6	-2367.0	610.2	-3346.0	-104.0	188.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	Si	0.0	4.5	237.6
1- 1	si	16	Tz	-185.5	-18.9	0.0	188.3
1- 1	si	9	Ty	-61.7	0.0	-19.7	70.5

-----  
 PROGR. 54.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-4601.1	-495.2	610.2	-3310.9	-104.0	188.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	Si	0.0	4.5	173.5
1- 1	si	16	Tz	-162.5	-18.9	0.0	165.7
1- 1	si	9	Ty	-72.2	0.0	-19.7	79.8

-----  
 PROGR. 72.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1204.6	1376.6	610.2	-3275.8	-104.0	188.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	Si	0.0	4.5	142.3
1- 1	si	16	Tz	-139.5	-18.9	0.0	143.3
1- 1	si	9	Ty	-82.7	0.0	-19.7	89.5
1- 1	si	12	Si	-139.8	0.0	-19.7	143.9

-----  
 PROGR. 90.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	2191.8	3248.5	610.2	-3240.7	-104.0	188.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	0.0	4.5	175.3
1- 1	si	16	Tz	-116.5	-18.9	0.0	121.0
1- 1	si	9	Ty	-93.3	0.0	-19.7	99.3

-----  
 PROGR. 108.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	5588.3	5120.3	610.2	-3205.5	-104.0	188.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	0.0	4.5	237.0
1- 1	si	16	Tz	-93.5	-18.9	0.0	99.1
1- 1	si	9	Ty	-103.8	0.0	-19.7	109.2

-----  
 PROGR. 126.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	8984.8	6992.1	610.2	-3170.4	-104.0	188.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	0.0	4.5	298.7
1- 1	si	16	Tz	-70.5	-18.9	0.0	77.8
1- 1	si	9	Ty	-114.3	0.0	-19.7	119.3

-----  
 PROGR. 144.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	12381.3	8863.9	610.2	-3135.3	-104.0	188.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	0.0	4.5	360.4
1- 1	si	16	Tz	-47.5	-18.9	0.0	57.7
1- 1	si	9	Ty	-124.9	0.0	-19.7	129.4

## VERIFICA STABILITA` :

L0 = 144.  
 Z Lc = 144. |Ro = 3.77|lm = 38.2|Ncr= 418242.2|alfa(a)=0.2100|ki=0.9419|  
 Y Lc = 144. |Ro = 3.77|lm = 38.2|Ncr= 418242.2|alfa(a)=0.2100|ki=0.9419|  
 Caso 1- 1 - Nodo 3 - Asse Z  
 Ned = -3416.2|Mzeq = -5916.2|Myeq = 3545.6|Ss = -237.2 ( 0.091)

CASSONE\_S006 ( 6 ) stato limite ultimo - ASTA ( 853- 854) 686

-----  
 PROGR. 0.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-7231.0	9741.5	610.2	-2419.7	109.7	90.4
5- 3	-16.2	17054.5	120.7	-1330.7	216.6	-4.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	Si	0.0	4.5	285.1
5- 3	si	7	Tz	-45.0	17.4	0.0	54.1
1- 1	si	11	Ty	-38.4	0.0	-14.5	45.9

-----  
 PROGR. 10.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-6327.4	8644.9	610.2	-2400.2	109.7	90.4
5- 3	-56.0	14920.3	120.7	-1317.4	216.6	-4.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	Si	0.0	4.5	260.6
5- 3	si	7	Tz	-44.1	17.4	0.0	53.4
1- 1	si	11	Ty	-41.7	0.0	-14.5	48.7

-----  
 PROGR. 20.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
------	----	----	----	---	----	----



Posto di Controllo Centralizzato - Relazione di calcolo – Scala metallica e vano ascensore

1- 1		-5423.9	7548.3	610.2	-2380.7	109.7	90.4
5- 3		-91.9	12788.1	120.7	-1304.1	216.6	-4.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx	Si	-235.9	0.0	4.5	236.0
5- 3	si	7	Tz		-43.2	17.4	0.0	52.6
1- 1	si	11	Ty		-45.1	0.0	-14.5	51.7

----- PROGR. 30.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-4520.3	6451.7	610.2	-2361.2	109.7	90.4
5- 3	-120.4	10659.1	120.7	-1290.8	216.6	-4.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx	Si	-211.3	0.0	4.5	211.5
5- 3	si	7	Tz		-42.4	17.4	0.0	52.0
1- 1	si	11	Ty		-48.5	0.0	-14.5	54.6

----- PROGR. 40.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-3616.7	5355.0	610.2	-2341.7	109.7	90.4
5- 3	-133.2	8535.7	120.7	-1277.5	216.6	-4.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx	Si	-186.7	0.0	4.5	186.9
5- 3	si	7	Tz		-41.8	17.4	0.0	51.5
1- 1	si	11	Ty		-51.9	0.0	-14.5	57.6

----- PROGR. 50.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-2713.1	4258.4	610.2	-2322.2	109.7	90.4
5- 3	-112.5	6423.6	120.7	-1264.2	216.6	-4.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx	Si	-162.2	0.0	4.5	162.4
5- 3	si	7	Tz		-41.6	17.4	0.0	51.3
1- 1	si	11	Ty		-55.2	0.0	-14.5	60.7

----- PROGR. 60.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1809.5	3161.8	610.2	-2302.7	109.7	90.4
5- 3	-39.2	4339.9	120.7	-1250.9	216.6	-4.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx	Si	-137.6	0.0	4.5	137.8
5- 3	si	7	Tz		-42.0	17.4	0.0	51.7
1- 1	si	11	Ty		-58.6	0.0	-14.5	63.8

----- PROGR. 70.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-906.0	2065.2	610.2	-2283.2	109.7	90.4
5- 3	73.5	2363.7	120.7	-1237.5	216.6	-4.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx	Si	-113.1	0.0	4.5	113.3
5- 3	si	7	Tz		-42.9	17.4	0.0	52.4
1- 1	si	11	Ty		-62.0	0.0	-14.5	66.9

----- PROGR. 80.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-2.4	968.6	610.2	-2263.7	109.7	90.4
5- 3	215.4	1178.7	120.7	-1224.2	216.6	-4.7

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx		-88.5	0.0	4.5	88.8
5- 3	si	7	Tz		-44.2	17.4	0.0	53.4
1- 1	si	11	Ty		-65.3	0.0	-14.5	70.0
1- 1	si	10	Si		-88.4	0.0	-14.5	92.0

-----  
VERIFICA STABILITA` :

L0 = 80.  
Z |Lc = 80. |Ro = 3.77 |lm = 21.2 |Ncr= 1355104.6 |alfa(a)=0.2100 |ki=0.9902  
Y |Lc = 80. |Ro = 3.77 |lm = 21.2 |Ncr= 1355104.6 |alfa(a)=0.2100 |ki=0.9902  
Caso 5- 1 - Nodo 3 - Asse Z  
Ned = -1589.5 |Mzeq = -899.4 |Myeq = 12996.0 |Ss = -220.8 ( 0.084)

CASSONE\_S006 ( 6 ) stato limite ultimo - ASTA ( 854- 855) 687  
----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-2.4	968.6	610.2	-2263.7	109.7	90.4
5- 3	215.4	1178.7	120.7	-1224.2	195.0	12.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx		-88.5	0.0	4.5	88.8
5- 3	si	7	Tz		-44.2	15.7	0.0	51.9
1- 1	si	11	Ty		-65.3	0.0	-14.5	70.0
1- 1	si	10	Si		-88.4	0.0	-14.5	92.0

----- PROGR. 8.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	720.5	91.3	610.2	-2248.1	109.7	90.4
5- 3	307.9	-1979.6	120.7	-1213.6	195.0	12.9

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	2	Sx		-86.1	0.0	4.5	86.4
5- 3	si	7	Tz		-44.9	15.7	0.0	52.5
1- 1	si	11	Ty		-68.0	0.0	-14.5	72.5

Posto di Controllo Centralizzato - Relazione di calcolo – Scala metallica e vano ascensore

1- 1 si 15	Si	-85.9	14.7	0.0	89.6	16.
SOLLECITAZIONI						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	1443.4	-786.0	610.2	-2232.5	109.7	90.4
5- 3	403.0	-3367.0	120.7	-1202.9	195.0	12.9
TENSIONI (Sz= 0.00) :						
Caso	Ve No	massimi	Sx	Tz	Ty	Si
1- 1 si 1	Sx	Si	-102.5	0.0	4.5	102.8
5- 3 si 7	Tz		-45.7	15.7	0.0	53.2
1- 1 si 11	Ty		-70.7	0.0	-14.5	75.1
PROGR. 24.						
SOLLECITAZIONI						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	2166.2	-1663.3	610.2	-2216.9	109.7	90.4
5- 3	499.9	-4850.9	120.7	-1192.3	195.0	12.9
TENSIONI (Sz= 0.00) :						
Caso	Ve No	massimi	Sx	Tz	Ty	Si
1- 1 si 1	Sx	Si	-121.1	0.0	4.5	121.3
5- 3 si 7	Tz		-46.5	15.7	0.0	53.9
1- 1 si 11	Ty		-73.4	0.0	-14.5	77.6
PROGR. 32.						
SOLLECITAZIONI						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	2889.1	-2540.6	610.2	-2201.3	109.7	90.4
5- 3	598.2	-6368.8	120.7	-1181.6	195.0	12.9
TENSIONI (Sz= 0.00) :						
Caso	Ve No	massimi	Sx	Tz	Ty	Si
1- 1 si 1	Sx	Si	-139.7	0.0	4.5	139.9
5- 3 si 7	Tz		-47.3	15.7	0.0	54.6
1- 1 si 11	Ty		-76.1	0.0	-14.5	80.2
PROGR. 40.						
SOLLECITAZIONI						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	3611.9	-3417.9	610.2	-2185.7	109.7	90.4
5- 3	697.4	-7902.6	120.7	-1171.0	195.0	12.9
TENSIONI (Sz= 0.00) :						
Caso	Ve No	massimi	Sx	Tz	Ty	Si
1- 1 si 1	Sx	Si	-158.2	0.0	4.5	158.4
5- 3 si 7	Tz		-48.1	15.7	0.0	55.3
1- 1 si 11	Ty		-78.8	0.0	-14.5	82.8
PROGR. 48.						
SOLLECITAZIONI						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	4334.8	-4295.2	610.2	-2170.1	109.7	90.4
5- 3	797.4	-9445.0	120.7	-1160.3	195.0	12.9
TENSIONI (Sz= 0.00) :						
Caso	Ve No	massimi	Sx	Tz	Ty	Si
1- 1 si 1	Sx	Si	-176.8	0.0	4.5	177.0
5- 3 si 7	Tz		-48.9	15.7	0.0	56.0
1- 1 si 11	Ty		-81.5	0.0	-14.5	85.3
PROGR. 56.						
SOLLECITAZIONI						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	5057.7	-5172.5	610.2	-2154.5	109.7	90.4
5- 3	897.9	-10992.6	120.7	-1149.7	195.0	12.9
TENSIONI (Sz= 0.00) :						
Caso	Ve No	massimi	Sx	Tz	Ty	Si
1- 1 si 1	Sx	Si	-195.4	0.0	4.5	195.6
5- 3 si 7	Tz		-49.8	15.7	0.0	56.7
1- 1 si 11	Ty		-84.2	0.0	-14.5	87.9
PROGR. 64.						
SOLLECITAZIONI						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	5780.5	-6049.8	610.2	-2138.9	109.7	90.4
5- 3	998.8	-12543.3	120.7	-1139.0	195.0	12.9
TENSIONI (Sz= 0.00) :						
Caso	Ve No	massimi	Sx	Tz	Ty	Si
1- 1 si 1	Sx	Si	-214.0	0.0	4.5	214.2
5- 3 si 7	Tz		-50.6	15.7	0.0	57.5
1- 1 si 11	Ty		-86.9	0.0	-14.5	90.5

VERIFICA STABILITA` :

$L_0 = 64.$   
 $Z$   $L_c = 64.$   $R_o = 3.77$   $l_m = 17.0$   $N_{cr} = 2117350.9$   $alfa(a) = 0.2100$   $ki = 1.0000$   
 $Y$   $L_c = 64.$   $R_o = 3.77$   $l_m = 17.0$   $N_{cr} = 2117350.9$   $alfa(a) = 0.2100$   $ki = 1.0000$   
 Caso 5- 2 - Nodo 4 - Asse Z  
 $N_{ed} = -1472.2$   $M_{zeq} = -697.2$   $M_{yreq} = -9330.6$   $S_s = -169.9$  ( 0.065)

CASSONE\_S006 ( 6) stato limite ultimo - ASTA ( 855- 856) 688  
 ----- PROGR. 0.

SOLLECITAZIONI						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-8225.6	5093.8	610.2	-1383.9	91.9	137.8
TENSIONI (Sz= 0.00) :						
Caso	Ve No	massimi	Sx	Tz	Ty	Si
1- 1 si 3	Sx	Si	-206.2	0.0	4.5	206.3
1- 1 si 14	Tz		-94.2	15.9	0.0	98.1
1- 1 si 11	Ty		-68.7	0.0	-16.3	74.3
PROGR. 22.						
SOLLECITAZIONI						
Caso	MZ	MY	MT	N	TZ	TY
4- 1	-6907.4	2722.0	-168.8	-1136.3	68.3	120.7
1- 1	-5124.3	3025.7	610.2	-1340.0	91.9	137.8
TENSIONI (Sz= 0.00) :						
Caso	Ve No	massimi	Sx	Tz	Ty	Si
4- 1 si 3	Sx	Si	-153.7	0.0	1.2	153.7
1- 1 si 14	Tz		-76.4	15.9	0.0	81.2



1-1	si	1	Sx	Si	-402.9	0.0	4.5	403.0	
1-1	si	14	Tz		101.3	-30.7	0.0	114.4	
1-1	si	5	Ty		-159.6	0.0	33.1	169.5	
-----									
SOLLECITAZIONI : PROGR. 51.									
Caso			MZ	MY	MT	N	TZ	TY	
1-1			14033.2	-6449.7	610.2	-1441.5	-160.7	-375.4	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	1	Sx	Si	-293.7	0.0	4.5	293.8	
1-1	si	14	Tz		54.0	-30.7	0.0	75.7	
1-1	si	5	Ty		-126.0	0.0	33.1	138.4	
-----									
SOLLECITAZIONI : PROGR. 68.									
Caso			MZ	MY	MT	N	TZ	TY	
5-1			3558.5	-11397.1	-58.8	-821.0	-86.0	-70.8	
1-1			7698.4	-3737.6	610.2	-1408.5	-160.7	-375.4	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
5-1	si	1	Sx	Si	-206.6	0.0	0.4	206.6	
1-1	si	14	Tz		6.6	-30.7	0.0	53.5	
1-1	si	5	Ty		-92.5	0.0	33.1	108.8	
-----									
SOLLECITAZIONI : PROGR. 84.									
Caso			MZ	MY	MT	N	TZ	TY	
5-1			2265.5	-10121.8	-58.8	-798.5	-86.0	-70.8	
1-1			1363.5	-1025.5	610.2	-1375.6	-160.7	-375.4	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
5-1	si	1	Sx	Si	-175.1	0.0	0.4	175.1	
1-1	si	14	Tz		-40.7	-30.7	0.0	66.9	
1-1	si	5	Ty		-59.0	0.0	33.1	82.2	
-----									
SOLLECITAZIONI : PROGR. 101.									
Caso			MZ	MY	MT	N	TZ	TY	
5-15			-3110.0	9907.4	325.4	-771.3	26.7	-95.3	
1-1			-4971.3	1686.6	610.2	-1342.7	-160.7	-375.4	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
5-15	si	3	Sx	Si	-181.7	0.0	2.4	181.8	
1-1	si	14	Tz		-88.1	-30.7	0.0	102.9	
1-1	si	5	Ty		-25.5	0.0	33.1	62.7	
-----									
SOLLECITAZIONI : PROGR. 118.									
Caso			MZ	MY	MT	N	TZ	TY	
1-1			-11306.1	4398.7	610.2	-1309.8	-160.7	-375.4	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	3	Sx	Si	-232.1	0.0	4.5	232.3	
1-1	si	14	Tz		-135.4	-30.7	0.0	145.5	
1-1	si	5	Ty		8.1	0.0	33.1	57.8	
-----									
SOLLECITAZIONI : PROGR. 135.									
Caso			MZ	MY	MT	N	TZ	TY	
1-1			-17640.9	7110.8	610.2	-1276.9	-160.7	-375.4	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	3	Sx	Si	-339.1	0.0	4.5	339.2	
1-1	si	14	Tz		-182.8	-30.7	0.0	190.4	
1-1	si	5	Ty		41.6	0.0	33.1	70.8	
-----									
VERIFICA STABILITA` :									
L0	= 135.								
Z	Lc	= 135.		Ro	= 3.77		lm	= 35.8	
Y	Lc	= 135.		Ro	= 3.77		lm	= 35.8	
Caso 5-1 - Nodo 1 - Asse Z									
Ned	= -910.8								
Mz	= 6792.6		My	= -14919.7		Ss	= -292.5 ( 0.112)		
-----									
CASSONE_S006	( 6)	stato limite ultimo - ASTA ( 829- 857)						690	
-----									
SOLLECITAZIONI : PROGR. 0.									
Caso			MZ	MY	MT	N	TZ	TY	
1-1			-18708.8	6558.8	-5071.9	-1254.0	102.9	182.2	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	3	Sx	Si	-344.5	0.0	37.5	350.6	
1-1	si	14	Tz		-200.3	51.5	0.0	219.3	
1-1	si	11	Ty		-152.0	0.0	-52.2	176.9	
-----									
SOLLECITAZIONI : PROGR. 7.									
Caso			MZ	MY	MT	N	TZ	TY	
1-1			-17410.5	5825.5	-5071.9	-1240.1	102.9	182.2	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	3	Sx	Si	-319.8	0.0	37.5	326.3	
1-1	si	14	Tz		-191.7	51.5	0.0	211.4	
1-1	si	11	Ty		-147.3	0.0	-52.2	172.8	
-----									
SOLLECITAZIONI : PROGR. 14.									
Caso			MZ	MY	MT	N	TZ	TY	
1-1			-16112.2	5092.2	-5071.9	-1226.2	102.9	182.2	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	3	Sx	Si	-295.0	0.0	37.5	302.1	
1-1	si	14	Tz		-183.1	51.5	0.0	203.7	
1-1	si	11	Ty		-142.5	0.0	-52.2	168.8	
-----									
SOLLECITAZIONI : PROGR. 21.									
Caso			MZ	MY	MT	N	TZ	TY	
1-1			-16112.2	5092.2	-5071.9	-1226.2	102.9	182.2	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1-1	si	3	Sx	Si	-295.0	0.0	37.5	302.1	
1-1	si	14	Tz		-183.1	51.5	0.0	203.7	
1-1	si	11	Ty		-142.5	0.0	-52.2	168.8	
-----									
SOLLECITAZIONI : PROGR. 21.									



## Posto di Controllo Centralizzato - Relazione di calcolo – Scala metallica e vano ascensore

1-1	si 11	Ty	-59.4	0.0	-24.2	72.7				
-----										
SOLLECITAZIONI : 40.										
Caso		MZ	MY	MT	N	TZ	TY			
1-1		11280.3	-4622.5	2164.2	-3317.4	53.8	104.5			
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx	Tz	Ty	Si			
1-1	si 1		Sx Si	-302.7	0.0	16.0	304.0			
1-1	si 14		Tz	-24.3	23.8	0.0	47.8			
1-1	si 11		Ty	-54.7	0.0	-24.2	68.9			
-----										
SOLLECITAZIONI : 50.										
Caso		MZ	MY	MT	N	TZ	TY			
1-1		12325.7	-5160.7	2164.2	-3297.9	53.8	104.5			
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx	Tz	Ty	Si			
1-1	si 1		Sx Si	-321.0	0.0	16.0	322.2			
1-1	si 14		Tz	-16.5	23.8	0.0	44.4			
1-1	si 11		Ty	-50.0	0.0	-24.2	65.2			
-----										
SOLLECITAZIONI : 60.										
Caso		MZ	MY	MT	N	TZ	TY			
1-1		13371.1	-5698.9	2164.2	-3278.4	53.8	104.5			
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx	Tz	Ty	Si			
1-1	si 1		Sx Si	-339.2	0.0	16.0	340.4			
1-1	si 14		Tz	-8.8	23.8	0.0	42.1			
1-1	si 11		Ty	-45.2	0.0	-24.2	61.7			
-----										
SOLLECITAZIONI : 70.										
Caso		MZ	MY	MT	N	TZ	TY			
1-1		14416.5	-6237.1	2164.2	-3258.8	53.8	104.5			
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx	Tz	Ty	Si			
1-1	si 1		Sx Si	-357.5	0.0	16.0	358.6			
1-1	si 14		Tz	-1.0	23.8	0.0	41.2			
1-1	si 11		Ty	-40.5	0.0	-24.2	58.3			
-----										
SOLLECITAZIONI : 80.										
Caso		MZ	MY	MT	N	TZ	TY			
1-1		15461.8	-6775.3	2164.2	-3239.3	53.8	104.5			
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx	Tz	Ty	Si			
1-1	si 1		Sx Si	-375.7	0.0	16.0	376.8			
1-1	si 14		Tz	6.7	23.8	0.0	41.7			
1-1	si 11		Ty	-35.8	0.0	-24.2	55.1			
-----										
VERIFICA STABILITA` :										
L0 =	80.									
Z	Lc =	80.	Ro = 3.77	lm = 21.2	Ncr = 1355104.6	alfa(a) = 0.2100	ki = 0.9902			
Y	Lc =	80.	Ro = 3.77	lm = 21.2	Ncr = 1355104.6	alfa(a) = 0.2100	ki = 0.9902			
Caso 1-1 - Nodo 1 - Asse Z										
Ned =	-3395.4	Mzeq =	12116.6	Myeq =	-5053.1	Ss =	-322.2 ( 0.123)			
-----										
CASSONE_S006 ( 6 ) stato limite ultimo - ASTA ( 885- 838) 740										
-----										
SOLLECITAZIONI : 0.										
Caso		MZ	MY	MT	N	TZ	TY			
1-1		7022.4	-1292.4	2148.1	-3531.3	19.8	81.1			
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx	Tz	Ty	Si			
1-1	si 1		Sx Si	-219.3	0.0	15.9	221.0			
1-1	si 14		Tz	-49.0	20.7	0.0	60.7			
1-1	si 5		Ty	-135.4	0.0	-22.0	140.7			
-----										
SOLLECITAZIONI : 10.										
Caso		MZ	MY	MT	N	TZ	TY			
1-1		7832.9	-1490.0	2148.1	-3511.8	19.8	81.1			
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx	Tz	Ty	Si			
1-1	si 1		Sx Si	-230.7	0.0	15.9	232.3			
1-1	si 14		Tz	-40.6	20.7	0.0	54.2			
1-1	si 5		Ty	-137.1	0.0	-22.0	142.3			
-----										
SOLLECITAZIONI : 20.										
Caso		MZ	MY	MT	N	TZ	TY			
1-1		8643.4	-1687.7	2148.1	-3492.3	19.8	81.1			
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx	Tz	Ty	Si			
1-1	si 1		Sx Si	-242.1	0.0	15.9	243.6			
1-1	si 14		Tz	-32.3	20.7	0.0	48.2			
1-1	si 5		Ty	-138.8	0.0	-22.0	143.9			
-----										
SOLLECITAZIONI : 30.										
Caso		MZ	MY	MT	N	TZ	TY			
1-1		9453.9	-1885.4	2148.1	-3472.8	19.8	81.1			
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx	Tz	Ty	Si			
1-1	si 1		Sx Si	-253.5	0.0	15.9	254.9			
1-1	si 14		Tz	-23.9	20.7	0.0	43.1			
1-1	si 5		Ty	-140.5	0.0	-22.0	145.6			
-----										
SOLLECITAZIONI : 40.										
Caso		MZ	MY	MT	N	TZ	TY			
1-1		10264.4	-2083.0	2148.1	-3453.3	19.8	81.1			
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx	Tz	Ty	Si			
1-1	si 1		Sx Si	-264.8	0.0	15.9	266.3			

## Posto di Controllo Centralizzato - Relazione di calcolo – Scala metallica e vano ascensore

1-1	si	14	Tz	-15.6	20.7	0.0	39.1
1-1	si	5	Ty	-142.2	0.0	-22.0	147.2

PROGR. 50.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	11074.9	-2280.7	2148.1	-3433.8	19.8	81.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	Si	0.0	15.9	277.6
1-1	si	14	Tz	-7.2	20.7	0.0	36.6
1-1	si	5	Ty	-143.9	0.0	-22.0	148.9

PROGR. 60.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	11885.4	-2478.4	2148.1	-3414.3	19.8	81.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	Si	0.0	15.9	288.9
1-1	si	14	Tz	1.2	20.7	0.0	35.9
1-1	si	5	Ty	-145.6	0.0	-22.0	150.5

PROGR. 70.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	12695.9	-2676.0	2148.1	-3394.8	19.8	81.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	Si	0.0	15.9	300.3
1-1	si	14	Tz	9.5	20.7	0.0	37.1
1-1	si	5	Ty	-147.3	0.0	-22.0	152.1

PROGR. 80.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	13506.4	-2873.7	2148.1	-3375.3	19.8	81.1

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	1	Sx	Si	0.0	15.9	311.6
1-1	si	14	Tz	17.9	20.7	0.0	40.1
1-1	si	5	Ty	-149.0	0.0	-22.0	153.8

## VERIFICA STABILITA` :

L0 = 80. |  
 Z |Lc = 80. |Ro = 3.77 |lm = 21.2 |Ncr= 1355104.6 |alfa(a)=0.2100 |ki=0.9902 |  
 Y |Lc = 80. |Ro = 3.77 |lm = 21.2 |Ncr= 1355104.6 |alfa(a)=0.2100 |ki=0.9902 |  
 Caso 1- 1 - Nodo 1 - Asse Z  
 Ned = -3531.3 |Mzeq = 10912.8 |Myeq = -2241.2 |Ss = -278.7 ( 0.106)

CASSONE\_S006 ( 6) stato limite ultimo - ASTA ( 822- 886) 742  
 PROGR. 0.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4-11	-6695.0	1412.4	-65.1	-2565.4	-9.1	129.8
1-1	-1264.3	1835.8	2164.2	-3551.4	53.8	104.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-11	si	3	Sx	Si	-184.0	0.0	184.0
1-1	si	14	Tz	-117.3	23.8	0.0	124.3
1-1	si	11	Ty	-111.4	0.0	-24.2	119.0

PROGR. 8.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4-11	-5738.4	1203.2	-65.1	-2555.4	-9.1	129.8
1-1	-480.2	1432.2	2164.2	-3536.8	53.8	104.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-11	si	3	Sx	Si	-169.7	0.0	169.8
1-1	si	14	Tz	-111.5	23.8	0.0	118.9
1-1	si	11	Ty	-107.8	0.0	-24.2	115.7

PROGR. 15.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4-7	4857.6	1073.9	1042.5	-2521.8	-5.9	-87.3
1-1	303.8	1028.5	2164.2	-3522.2	53.8	104.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-7	si	2	Sx	Si	-156.5	0.0	157.1
1-1	si	14	Tz	-105.7	23.8	0.0	113.4
1-1	si	11	Ty	-104.3	0.0	-24.2	112.4

PROGR. 22.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4-7	4235.0	851.4	1042.5	-2511.8	-5.9	-87.3
1-1	1087.8	624.9	2164.2	-3507.5	53.8	104.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4-7	si	2	Sx	Si	-146.1	0.0	146.7
1-1	si	14	Tz	-99.9	23.8	0.0	108.0
1-1	si	11	Ty	-100.8	0.0	-24.2	109.1

PROGR. 30.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	1871.9	221.3	2164.2	-3492.9	53.8	104.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	Si	-143.7	0.0	146.3
1-1	si	14	Tz	-94.1	23.8	0.0	102.7
1-1	si	11	Ty	-97.2	0.0	-24.2	105.9
1-1	si	15	Si	-143.2	23.8	0.0	149.0

PROGR. 38.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	2655.9	-182.4	2164.2	-3478.3	53.8	104.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-152.1	0.0	16.0	154.6
1- 1	si	14	Tz	-88.2	23.8	0.0	97.4
1- 1	si	11	Ty	-93.7	0.0	-24.2	102.6
1- 1	si	13	Si	-151.7	-17.8	0.0	154.8

----- PROGR. 45.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	3439.9	-586.0	2164.2	-3463.6	53.8	104.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-165.8	0.0	16.0	168.1
1- 1	si	14	Tz	-82.4	23.8	0.0	92.1
1- 1	si	11	Ty	-90.1	0.0	-24.2	99.4

----- PROGR. 52.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	4224.0	-989.7	2164.2	-3449.0	53.8	104.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-179.5	0.0	16.0	181.6
1- 1	si	14	Tz	-76.6	23.8	0.0	87.0
1- 1	si	11	Ty	-86.6	0.0	-24.2	96.2

----- PROGR. 60.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	5008.0	-1393.3	2164.2	-3434.4	53.8	104.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-193.1	0.0	16.0	195.1
1- 1	si	14	Tz	-70.8	23.8	0.0	81.9
1- 1	si	11	Ty	-83.0	0.0	-24.2	93.0

-----

VERIFICA STABILITA` :

L0 = 60. |  
Z |Lc = 60. |Ro = 3.77 |lm = 15.9 |Ncr= 2409074.8 |alfa(a) =0.2100 |ki=1.0000 |  
Y |Lc = 60. |Ro = 3.77 |lm = 15.9 |Ncr= 2409074.8 |alfa(a) =0.2100 |ki=1.0000 |  
Caso 4-11 - Nodo 3 - Asse Z  
Ned = -2565.4 |Mzeq = -5021.2 |Myeq = 1059.3 |Ss = -159.9 ( 0.061)

CASSONE\_S006 ( 6) stato limite ultimo - ASTA ( 886- 884) 743  
----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	5008.0	-1393.3	2164.2	-3434.4	53.8	104.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-193.1	0.0	16.0	195.1
1- 1	si	14	Tz	-70.8	23.8	0.0	81.9
1- 1	si	11	Ty	-83.0	0.0	-24.2	93.0

----- PROGR. 2.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	5269.4	-1527.9	2164.2	-3429.5	53.8	104.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-197.7	0.0	16.0	199.6
1- 1	si	14	Tz	-68.9	23.8	0.0	80.2
1- 1	si	11	Ty	-81.9	0.0	-24.2	92.0

----- PROGR. 5.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	5530.7	-1662.4	2164.2	-3424.6	53.8	104.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-202.3	0.0	16.0	204.2
1- 1	si	14	Tz	-66.9	23.8	0.0	78.6
1- 1	si	11	Ty	-80.7	0.0	-24.2	90.9

----- PROGR. 8.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	5792.1	-1797.0	2164.2	-3419.8	53.8	104.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-206.8	0.0	16.0	208.7
1- 1	si	14	Tz	-65.0	23.8	0.0	76.9
1- 1	si	11	Ty	-79.5	0.0	-24.2	89.9

----- PROGR. 10.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	6053.4	-1931.5	2164.2	-3414.9	53.8	104.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-211.4	0.0	16.0	213.2
1- 1	si	14	Tz	-63.0	23.8	0.0	75.3
1- 1	si	11	Ty	-78.3	0.0	-24.2	88.8

----- PROGR. 12.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	6314.7	-2066.1	2164.2	-3410.0	53.8	104.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-216.0	0.0	16.0	217.7
1- 1	si	14	Tz	-61.1	23.8	0.0	73.7



1- 1 si 11	Ty	-77.1	0.0	-24.2	87.8	
-----						15.

## SOLLECITAZIONI

Caso	MZ	MY	MT	N	TZ	TY
1- 1	6576.1	-2200.6	2164.2	-3405.1	53.8	104.5

## TENSIONI (Sz=

Caso	Ve No massimi	Sx	Tz	Ty	Si	
1- 1 si 1	Sx	Si	-220.5	0.0	16.0	222.3
1- 1 si 14	Tz		-59.2	23.8	0.0	72.1
1- 1 si 11	Ty		-76.0	0.0	-24.2	86.8

## SOLLECITAZIONI

Caso	MZ	MY	MT	N	TZ	TY
1- 1	6837.4	-2335.2	2164.2	-3400.3	53.8	104.5

## TENSIONI (Sz=

Caso	Ve No massimi	Sx	Tz	Ty	Si	
1- 1 si 1	Sx	Si	-225.1	0.0	16.0	226.8
1- 1 si 14	Tz		-57.2	23.8	0.0	70.5
1- 1 si 11	Ty		-74.8	0.0	-24.2	85.7

## SOLLECITAZIONI

Caso	MZ	MY	MT	N	TZ	TY
1- 1	7098.8	-2469.7	2164.2	-3395.4	53.8	104.5

## TENSIONI (Sz=

Caso	Ve No massimi	Sx	Tz	Ty	Si	
1- 1 si 1	Sx	Si	-229.7	0.0	16.0	231.3
1- 1 si 14	Tz		-55.3	23.8	0.0	68.9
1- 1 si 11	Ty		-73.6	0.0	-24.2	84.7

## VERIFICA STABILITA`

L0 =	20.
Z  Lc =	20. Ro = 3.77 lm = 5.3 Ncr= 21681673.3 alfa(a)=0.2100 ki=1.0000
Y  Lc =	20. Ro = 3.77 lm = 5.3 Ncr= 21681673.3 alfa(a)=0.2100 ki=1.0000
Caso 1- 1 - Nodo 1 - Asse Z	
Ned =	-3434.4 Mzeq = 6262.5 Myeq = -2039.2 Ss = -215.9 ( 0.082)

CASSONE_S006 ( 6)	stato limite ultimo - ASTA ( 823- 887)	744
-----		0.

## SOLLECITAZIONI

Caso	MZ	MY	MT	N	TZ	TY
4- 8	6531.6	1102.2	931.9	-2614.8	21.9	-92.3
1- 1	538.3	289.0	2148.1	-3687.4	19.8	81.1

## TENSIONI (Sz=

Caso	Ve No massimi	Sx	Tz	Ty	Si	
4- 8 si 2	Sx	Si	-180.0	0.0	6.9	180.4
1- 1 si 14	Tz		-115.9	20.7	0.0	121.3
1- 1 si 5	Ty		-121.8	0.0	-22.0	127.6

## SOLLECITAZIONI

Caso	MZ	MY	MT	N	TZ	TY
4- 8	5856.4	938.4	931.9	-2604.8	21.9	-92.3
1- 1	1146.2	140.7	2148.1	-3672.7	19.8	81.1

## TENSIONI (Sz=

Caso	Ve No massimi	Sx	Tz	Ty	Si	
4- 8 si 2	Sx	Si	-169.7	0.0	6.9	170.1
1- 1 si 14	Tz		-109.6	20.7	0.0	115.4
1- 1 si 5	Ty		-123.1	0.0	-22.0	128.8

## SOLLECITAZIONI

Caso	MZ	MY	MT	N	TZ	TY
4- 8	5187.0	773.8	931.9	-2594.8	21.9	-92.3
1- 1	1754.1	-7.5	2148.1	-3658.1	19.8	81.1

## TENSIONI (Sz=

Caso	Ve No massimi	Sx	Tz	Ty	Si	
4- 8 si 2	Sx	Si	-159.4	0.0	6.9	159.8
1- 1 si 14	Tz		-103.4	20.7	0.0	109.4
1- 1 si 5	Ty		-124.3	0.0	-22.0	130.1

## SOLLECITAZIONI

Caso	MZ	MY	MT	N	TZ	TY
1- 1	2362.0	-155.8	2148.1	-3643.5	19.8	81.1

## TENSIONI (Sz=

Caso	Ve No massimi	Sx	Tz	Ty	Si	
1- 1 si 1	Sx	Si	-153.8	0.0	15.9	156.3
1- 1 si 14	Tz		-97.1	20.7	0.0	103.5
1- 1 si 5	Ty		-125.6	0.0	-22.0	131.3
1- 1 si 13	Si		-153.5	-18.5	0.0	156.9

## SOLLECITAZIONI

Caso	MZ	MY	MT	N	TZ	TY
1- 1	2969.8	-304.0	2148.1	-3628.8	19.8	81.1

## TENSIONI (Sz=

Caso	Ve No massimi	Sx	Tz	Ty	Si	
1- 1 si 1	Sx	Si	-162.4	0.0	15.9	164.7
1- 1 si 14	Tz		-90.8	20.7	0.0	97.6
1- 1 si 5	Ty		-126.9	0.0	-22.0	132.5
1- 1 si 13	Si		-161.8	-18.5	0.0	164.9

## SOLLECITAZIONI

Caso	MZ	MY	MT	N	TZ	TY
1- 1	3577.7	-452.3	2148.1	-3614.2	19.8	81.1

## TENSIONI (Sz=

Caso	Ve No massimi	Sx	Tz	Ty	Si	
1- 1 si 1	Sx	Si	-170.9	0.0	15.9	173.1
1- 1 si 14	Tz		-84.6	20.7	0.0	91.8
1- 1 si 5	Ty		-128.2	0.0	-22.0	133.7

## SOLLECITAZIONI

Posto di Controllo Centralizzato - Relazione di calcolo – Scala metallica e vano ascensore

Caso		MZ	MY	MT	N	TZ	TY
1- 1		4185.6	-600.5	2148.1	-3599.6	19.8	81.1
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	-179.5	0.0	15.9
1- 1	si	14	Tz		-78.3	20.7	0.0
1- 1	si	5	Ty		-129.4	0.0	-22.0
----- PROGR. 52.							
SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		4793.5	-748.8	2148.1	-3585.0	19.8	81.1
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	-188.0	0.0	15.9
1- 1	si	14	Tz		-72.0	20.7	0.0
1- 1	si	5	Ty		-130.7	0.0	-22.0
----- PROGR. 60.							
SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		5401.4	-897.0	2148.1	-3570.3	19.8	81.1
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	-196.5	0.0	15.9
1- 1	si	14	Tz		-65.7	20.7	0.0
1- 1	si	5	Ty		-132.0	0.0	-22.0
----- PROGR. 745							
VERIFICA STABILITA` :							
L0 = 60.							
Z  Lc = 60.  Ro = 3.77  lm = 15.9  Ncr= 2409074.8  alfa(a)=0.2100  ki=1.0000							
Y  Lc = 60.  Ro = 3.77  lm = 15.9  Ncr= 2409074.8  alfa(a)=0.2100  ki=1.0000							
Caso 1- 1 - Nodo 1 - Asse Z							
Ned = -3687.4  Mzeq = 3456.1  Myeq = -422.6  Ss = -171.7 ( 0.066)							
CASSONE_S006 ( 6) ----- stato limite ultimo - ASTA ( 887- 885) ----- 745							
----- PROGR. 0.							
SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		5401.4	-897.0	2148.1	-3570.3	19.8	81.1
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	-196.5	0.0	15.9
1- 1	si	14	Tz		-65.7	20.7	0.0
1- 1	si	5	Ty		-132.0	0.0	-22.0
----- PROGR. 2.							
SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		5604.0	-946.5	2148.1	-3565.5	19.8	81.1
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	-199.4	0.0	15.9
1- 1	si	14	Tz		-63.6	20.7	0.0
1- 1	si	5	Ty		-132.4	0.0	-22.0
----- PROGR. 5.							
SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		5806.6	-995.9	2148.1	-3560.6	19.8	81.1
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	-202.2	0.0	15.9
1- 1	si	14	Tz		-61.6	20.7	0.0
1- 1	si	5	Ty		-132.8	0.0	-22.0
----- PROGR. 8.							
SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		6009.2	-1045.3	2148.1	-3555.7	19.8	81.1
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	-205.1	0.0	15.9
1- 1	si	14	Tz		-59.5	20.7	0.0
1- 1	si	5	Ty		-133.3	0.0	-22.0
----- PROGR. 10.							
SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		6211.9	-1094.7	2148.1	-3550.8	19.8	81.1
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	-207.9	0.0	15.9
1- 1	si	14	Tz		-57.4	20.7	0.0
1- 1	si	5	Ty		-133.7	0.0	-22.0
----- PROGR. 12.							
SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		6414.5	-1144.1	2148.1	-3546.0	19.8	81.1
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	-210.8	0.0	15.9
1- 1	si	14	Tz		-55.3	20.7	0.0
1- 1	si	5	Ty		-134.1	0.0	-22.0
----- PROGR. 15.							
SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		6617.1	-1193.5	2148.1	-3541.1	19.8	81.1
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	-213.6	0.0	15.9
1- 1	si	14	Tz		-53.2	20.7	0.0
1- 1	si	5	Ty		-134.5	0.0	-22.0
----- PROGR. 18.							

SOLLECITAZIONI :  
 Caso | MZ | MY | MT | N | TZ | TY |  
 1- 1 | 6819.7 | -1243.0 | 2148.1 | -3536.2 | 19.8 | 81.1 |

TENSIONI (Sz= 0.00) :  
 Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
 1- 1 | si | 1 | Sx | Si | -216.5 | 0.0 | 15.9 | 218.2 |  
 1- 1 | si | 14 | Tz | -51.1 | 20.7 | 0.0 | 62.4 |  
 1- 1 | si | 5 | Ty | -135.0 | 0.0 | -22.0 | 140.3 |

PROGR. 20.

SOLLECITAZIONI :  
 Caso | MZ | MY | MT | N | TZ | TY |  
 1- 1 | 7022.4 | -1292.4 | 2148.1 | -3531.3 | 19.8 | 81.1 |

TENSIONI (Sz= 0.00) :  
 Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
 1- 1 | si | 1 | Sx | Si | -219.3 | 0.0 | 15.9 | 221.0 |  
 1- 1 | si | 14 | Tz | -49.0 | 20.7 | 0.0 | 60.7 |  
 1- 1 | si | 5 | Ty | -135.4 | 0.0 | -22.0 | 140.7 |

VERIFICA STABILITA' :

L0 = 20. |  
 Z | Lc = 20. | Ro = 3.77 | lm = 5.3 | Ncr = 21681673.3 | alfa(a) = 0.2100 | ki = 1.0000 |  
 Y | Lc = 20. | Ro = 3.77 | lm = 5.3 | Ncr = 21681673.3 | alfa(a) = 0.2100 | ki = 1.0000 |  
 Caso 1- 1 - Nodo 1 - Asse Z  
 Ned = -3570.3 | Mzeq = 6374.0 | Myeq = -1134.2 | Ss = -211.0 ( 0.081 )

CASSONE\_S006 ( 6 ) stato limite ultimo - ASTA ( 833- 888 ) 746  
 PROGR. 0.

SOLLECITAZIONI :  
 Caso | MZ | MY | MT | N | TZ | TY |  
 1- 1 | -16408.8 | 8914.1 | -6669.6 | -2776.5 | 484.9 | 476.4 |

TENSIONI (Sz= 0.00) :  
 Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
 1- 1 | si | 3 | Sx | Si | -396.9 | 0.0 | 49.2 | 406.0 |  
 1- 1 | si | 14 | Tz | -200.9 | 97.9 | 0.0 | 262.9 |  
 1- 1 | si | 11 | Ty | -152.5 | 0.0 | -97.8 | 228.0 |

PROGR. 7.

SOLLECITAZIONI :  
 Caso | MZ | MY | MT | N | TZ | TY |  
 1- 1 | -13074.2 | 5519.7 | -6669.6 | -2762.9 | 484.9 | 476.4 |

TENSIONI (Sz= 0.00) :  
 Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
 1- 1 | si | 3 | Sx | Si | -316.0 | 0.0 | 49.2 | 327.3 |  
 1- 1 | si | 14 | Tz | -194.7 | 97.9 | 0.0 | 258.2 |  
 1- 1 | si | 11 | Ty | -159.1 | 0.0 | -97.8 | 232.4 |

PROGR. 14.

SOLLECITAZIONI :  
 Caso | MZ | MY | MT | N | TZ | TY |  
 1- 1 | -9739.5 | 2125.4 | -6669.6 | -2749.2 | 484.9 | 476.4 |

TENSIONI (Sz= 0.00) :  
 Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
 1- 1 | si | 3 | Sx | Si | -235.2 | 0.0 | 49.2 | 250.2 |  
 1- 1 | si | 14 | Tz | -188.4 | 97.9 | 0.0 | 253.5 |  
 1- 1 | si | 11 | Ty | -165.7 | 0.0 | -97.8 | 237.0 |  
 1- 1 | si | 8 | Si | -209.8 | 86.1 | 0.0 | 257.4 |

PROGR. 21.

SOLLECITAZIONI :  
 Caso | MZ | MY | MT | N | TZ | TY |  
 1- 1 | -6404.9 | -1269.0 | -6669.6 | -2735.6 | 484.9 | 476.4 |

TENSIONI (Sz= 0.00) :  
 Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
 1- 1 | si | 4 | Sx | Si | -184.6 | 0.0 | 49.2 | 203.4 |  
 1- 1 | si | 14 | Tz | -182.2 | 97.9 | 0.0 | 248.9 |  
 1- 1 | si | 11 | Ty | -172.4 | 0.0 | -97.8 | 241.7 |

PROGR. 28.

SOLLECITAZIONI :  
 Caso | MZ | MY | MT | N | TZ | TY |  
 1- 1 | -3070.3 | -4663.4 | -6669.6 | -2721.9 | 484.9 | 476.4 |

TENSIONI (Sz= 0.00) :  
 Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
 1- 1 | si | 4 | Sx | Si | -184.9 | 0.0 | 49.2 | 203.6 |  
 1- 1 | si | 14 | Tz | -176.0 | 97.9 | 0.0 | 244.4 |  
 1- 1 | si | 11 | TySi | -179.0 | 0.0 | -97.8 | 246.5 |

PROGR. 35.

SOLLECITAZIONI :  
 Caso | MZ | MY | MT | N | TZ | TY |  
 1- 1 | 264.4 | -8057.8 | -6669.6 | -2708.2 | 484.9 | 476.4 |

TENSIONI (Sz= 0.00) :  
 Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
 1- 1 | si | 1 | Sx | Si | -191.4 | 0.0 | 49.2 | 209.6 |  
 1- 1 | si | 14 | Tz | -169.7 | 97.9 | 0.0 | 239.9 |  
 1- 1 | si | 11 | TySi | -185.6 | 0.0 | -97.8 | 251.3 |

PROGR. 42.

SOLLECITAZIONI :  
 Caso | MZ | MY | MT | N | TZ | TY |  
 1- 1 | 3599.0 | -11452.2 | -6669.6 | -2694.6 | 484.9 | 476.4 |

TENSIONI (Sz= 0.00) :  
 Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
 1- 1 | si | 1 | Sx | Si | -271.4 | 0.0 | 49.2 | 284.5 |  
 1- 1 | si | 14 | Tz | -163.5 | 97.9 | 0.0 | 235.5 |  
 1- 1 | si | 11 | Ty | -192.2 | 0.0 | -97.8 | 256.3 |

PROGR. 49.

SOLLECITAZIONI :  
 Caso | MZ | MY | MT | N | TZ | TY |  
 1- 1 | 6933.7 | -14846.5 | -6669.6 | -2680.9 | 484.9 | 476.4 |

TENSIONI (Sz= 0.00) :  
 Caso | Ve | No | massimi | Sx | Tz | Ty | Si |  
 1- 1 | si | 1 | Sx | Si | -351.3 | 0.0 | 49.2 | 361.5 |  
 1- 1 | si | 14 | Tz | -157.2 | 97.9 | 0.0 | 231.2 |



## Posto di Controllo Centralizzato - Relazione di calcolo – Scala metallica e vano ascensore

1- 1	si 14	Tz	-143.9	97.9	0.0	222.4
1- 1	si 11	Ty	-213.1	0.0	-97.8	272.2

VERIFICA STABILITA` :

L0 = 8. |  
 Z | Lc = 8. | Ro = 3.77 | lm = 2.1 | Ncr=135510457.9 | alfa(a)=0.2100 | ki=1.0000 |  
 Y | Lc = 8. | Ro = 3.77 | lm = 2.1 | Ncr=135510457.9 | alfa(a)=0.2100 | ki=1.0000 |  
 Caso 1- 1 - Nodo 1 - Asse Z  
 Ned = -2667.3 | Mzeq = 12554.9 | Myeq = -20568.5 | Ss = -486.4 ( 0.186 )

CASSONE\_S006 ( 6 ) stato limite ultimo - ASTA ( 840- 889 ) 748  
 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-15126.7	4775.1	-6264.7	-2888.0	225.5	472.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si 3	Sx	Si	-335.9	0.0	46.3	345.3
1- 1	si 14	Tz	Si	-230.9	80.5	0.0	269.7
1- 1	si 11	Ty	Si	-192.9	0.0	-82.6	240.2

7.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-11819.0	3196.7	-6264.7	-2874.4	225.5	472.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si 3	Sx	Si	-277.1	0.0	46.3	288.4
1- 1	si 14	Tz	Si	-206.8	80.5	0.0	249.4
1- 1	si 11	Ty	Si	-178.1	0.0	-82.6	228.5

14.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-8511.3	1618.3	-6264.7	-2860.7	225.5	472.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si 3	Sx	Si	-218.2	0.0	46.3	232.5
1- 1	si 14	Tz	Si	-182.6	80.5	0.0	229.7
1- 1	si 11	Ty	Si	-163.3	0.0	-82.6	217.1
1- 1	si 16	Si	Si	-215.1	-55.7	0.0	235.7

21.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-5203.6	39.9	-6264.7	-2847.1	225.5	472.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si 3	Sx	Si	-159.4	0.0	46.3	178.4
1- 1	si 14	Tz	Si	-158.5	80.5	0.0	211.1
1- 1	si 11	Ty	Si	-148.5	0.0	-82.6	206.2

28.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 1	-5150.2	-1601.7	-2653.0	-1917.7	116.3	298.0
1- 1	-1895.8	-1538.5	-6264.7	-2833.4	225.5	472.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4- 1	si 4	Sx	Si	-145.8	0.0	19.6	149.7
1- 1	si 14	Tz	Si	-134.3	80.5	0.0	193.6
1- 1	si 11	Ty	Si	-133.7	0.0	-82.6	195.8

35.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 5	6272.1	-2460.4	-2974.1	-1902.9	119.2	325.2
1- 1	1411.9	-3116.9	-6264.7	-2819.8	225.5	472.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4- 5	si 1	Sx	Si	-169.0	0.0	22.0	173.2
1- 1	si 14	Tz	Si	-110.2	80.5	0.0	177.7
1- 1	si 11	Ty	Si	-118.9	0.0	-82.6	186.1
1- 1	si 5	Si	Si	-133.0	0.0	-82.2	194.8

42.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	4719.6	-4695.4	-6264.7	-2806.1	225.5	472.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si 1	Sx	Si	-207.8	0.0	46.3	222.7
1- 1	si 14	Tz	Si	-86.0	80.5	0.0	163.8
1- 1	si 11	Ty	Si	-104.0	0.0	-82.6	177.0
1- 1	si 9	Si	Si	-198.8	0.0	-61.8	225.8

49.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	8027.4	-6273.8	-6264.7	-2792.5	225.5	472.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si 1	Sx	Si	-265.7	0.0	46.3	277.6
1- 1	si 14	Tz	Si	-61.9	80.5	0.0	152.5
1- 1	si 11	Ty	Si	-89.2	0.0	-82.6	168.7

56.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	11335.1	-7852.2	-6264.7	-2778.8	225.5	472.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si 1	Sx	Si	-323.7	0.0	46.3	333.4
1- 1	si 14	Tz	Si	-37.8	80.5	0.0	144.4
1- 1	si 11	Ty	Si	-74.4	0.0	-82.6	161.3

## Posto di Controllo Centralizzato - Relazione di calcolo – Scala metallica e vano ascensore

-----  
VERIFICA STABILITA` :

L0 = 56.  
Z Lc = 56. |Ro = 3.77|lm = 14.9|Ncr= 2765519.5|alfa(a)=0.2100|ki=1.0000|  
Y Lc = 56. |Ro = 3.77|lm = 14.9|Ncr= 2765519.5|alfa(a)=0.2100|ki=1.0000|  
Caso 5- 2 - Nodo 1 - Asse Z  
Ned = -1822.0|Mzeq = 3948.9|Myeq = -10004.3|Ss = -228.7 ( 0.087)

CASSONE\_S006 ( 6) stato limite ultimo - ASTA ( 889- 841) 749  
-----  
PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	11335.1	-7852.2	-6264.7	-2778.8	225.5	472.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	Si	-323.7	0.0	46.3	333.4
1- 1	si	14	Tz		-37.8	80.5	0.0	144.4
1- 1	si	11	Ty		-74.4	0.0	-82.6	161.3

-----  
PROGR. 1.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	11807.6	-8077.7	-6264.7	-2776.8	225.5	472.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	Si	-331.9	0.0	46.3	341.5
1- 1	si	14	Tz		-34.3	80.5	0.0	143.5
1- 1	si	11	Ty		-72.3	0.0	-82.6	160.4

-----  
PROGR. 2.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	12280.1	-8303.2	-6264.7	-2774.9	225.5	472.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	Si	-340.2	0.0	46.3	349.5
1- 1	si	14	Tz		-30.9	80.5	0.0	142.8
1- 1	si	11	Ty		-70.2	0.0	-82.6	159.4

-----  
PROGR. 3.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	12752.7	-8528.7	-6264.7	-2772.9	225.5	472.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	Si	-348.5	0.0	46.3	357.6
1- 1	si	14	Tz		-27.4	80.5	0.0	142.1
1- 1	si	11	Ty		-68.1	0.0	-82.6	158.5

-----  
PROGR. 4.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	13225.2	-8754.2	-6264.7	-2771.0	225.5	472.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	Si	-356.8	0.0	46.3	365.6
1- 1	si	14	Tz		-24.0	80.5	0.0	141.4
1- 1	si	11	Ty		-66.0	0.0	-82.6	157.6

-----  
PROGR. 5.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	13697.7	-8979.6	-6264.7	-2769.0	225.5	472.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	Si	-365.0	0.0	46.3	373.7
1- 1	si	14	Tz		-20.5	80.5	0.0	140.9
1- 1	si	11	Ty		-63.9	0.0	-82.6	156.7

-----  
PROGR. 6.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	14170.3	-9205.1	-6264.7	-2767.1	225.5	472.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	Si	-373.3	0.0	46.3	381.8
1- 1	si	14	Tz		-17.1	80.5	0.0	140.4
1- 1	si	11	Ty		-61.8	0.0	-82.6	155.9

-----  
PROGR. 7.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	14642.8	-9430.6	-6264.7	-2765.1	225.5	472.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	Si	-381.6	0.0	46.3	389.9
1- 1	si	14	Tz		-13.6	80.5	0.0	140.0
1- 1	si	11	Ty		-59.6	0.0	-82.6	155.1

-----  
PROGR. 8.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	15115.3	-9656.1	-6264.7	-2763.2	225.5	472.5

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	Si	-389.9	0.0	46.3	398.0
1- 1	si	14	Tz		-10.2	80.5	0.0	139.8
1- 1	si	11	Ty		-57.5	0.0	-82.6	154.3

-----  
VERIFICA STABILITA` :

L0 = 8.  
Z Lc = 8. |Ro = 3.77|lm = 2.1|Ncr=135510457.9|alfa(a)=0.2100|ki=1.0000|  
Y Lc = 8. |Ro = 3.77|lm = 2.1|Ncr=135510457.9|alfa(a)=0.2100|ki=1.0000|  
Caso 1- 1 - Nodo 1 - Asse Z  
Ned = -2778.8|Mzeq = 13603.2|Myeq = -8934.5|Ss = -363.7 ( 0.139)

CASSONE\_S006 ( 6 ) stato limite ultimo - ASTA ( 836- 890) 750  
----- PROGR. 0.

SOLLECITAZIONI :  
Caso MZ MY MT N TZ TY  
4-10 -9224.7 -3166.9 0.0 -4.6 -158.3 461.2  
5-10 1487.5 9507.5 0.0 -4.6 475.4 -74.4

TENSIONI (Sz= 0.00) :  
Caso Ve|No massimi Sx Tz Ty Si  
4-10 si 4 Sx Si -148.2 0.0 0.0 148.2  
5-10 si 7 Tz Ty -17.9 36.1 0.0 65.1  
4-10 si 5 Ty -38.0 0.0 -35.1 71.7  
----- PROGR. 2.

SOLLECITAZIONI :  
Caso MZ MY MT N TZ TY  
4-10 -8071.6 -2771.0 0.0 -4.0 -158.3 461.2  
5-10 1301.6 8319.1 0.0 -4.0 475.4 -74.4

TENSIONI (Sz= 0.00) :  
Caso Ve|No massimi Sx Tz Ty Si  
4-10 si 4 Sx Si -129.7 0.0 0.0 129.7  
5-10 si 7 Tz Ty -15.7 36.1 0.0 64.5  
4-10 si 5 Ty -33.2 0.0 -35.1 69.3  
----- PROGR. 5.

SOLLECITAZIONI :  
Caso MZ MY MT N TZ TY  
4-10 -6918.5 -2375.2 0.0 -3.5 -158.3 461.2  
5-10 1115.6 7130.6 0.0 -3.5 475.4 -74.4

TENSIONI (Sz= 0.00) :  
Caso Ve|No massimi Sx Tz Ty Si  
4-10 si 4 Sx Si -111.2 0.0 0.0 111.2  
5-10 si 7 Tz Ty -13.4 36.1 0.0 64.0  
4-10 si 5 Ty -28.5 0.0 -35.1 67.1  
----- PROGR. 8.

SOLLECITAZIONI :  
Caso MZ MY MT N TZ TY  
4-10 -5765.5 -1979.3 0.0 -2.9 -158.3 461.2  
5-10 929.7 5942.2 0.0 -2.9 475.4 -74.4

TENSIONI (Sz= 0.00) :  
Caso Ve|No massimi Sx Tz Ty Si  
4-10 si 4 Sx Si -92.6 0.0 0.0 92.6  
5-10 si 7 Tz Ty -11.2 36.1 0.0 63.6  
4-10 si 5 Ty -23.7 0.0 -35.1 65.2  
----- PROGR. 10.

SOLLECITAZIONI :  
Caso MZ MY MT N TZ TY  
4-10 -4612.4 -1583.4 0.0 -2.3 -158.3 461.2  
5-10 743.8 4753.8 0.0 -2.3 475.4 -74.4

TENSIONI (Sz= 0.00) :  
Caso Ve|No massimi Sx Tz Ty Si  
4-10 si 4 Sx Si -74.1 0.0 0.0 74.1  
5-10 si 7 Tz Ty -9.0 36.1 0.0 63.3  
4-10 si 5 Ty -19.0 0.0 -35.1 63.7  
4-10 si 14 Si -71.1 12.6 0.0 74.4  
----- PROGR. 12.

SOLLECITAZIONI :  
Caso MZ MY MT N TZ TY  
4-10 -3459.3 -1187.6 0.0 -1.7 -158.3 461.2  
5-10 557.8 3565.3 0.0 -1.7 475.4 -74.4

TENSIONI (Sz= 0.00) :  
Caso Ve|No massimi Sx Tz Ty Si  
4-10 si 4 Sx Si -55.6 0.0 0.0 55.6  
5-10 si 7 Tz Ty -6.7 36.1 0.0 63.0  
4-10 si 5 Ty -14.2 0.0 -35.1 62.4  
----- PROGR. 15.

SOLLECITAZIONI :  
Caso MZ MY MT N TZ TY  
4-10 -2306.2 -791.7 0.0 -1.2 -158.3 461.2  
5-10 371.9 2376.9 0.0 -1.2 475.4 -74.4

TENSIONI (Sz= 0.00) :  
Caso Ve|No massimi Sx Tz Ty Si  
4-10 si 4 Sx Si -37.1 0.0 0.0 37.1  
5-10 si 7 Tz Ty -4.5 36.1 0.0 62.8  
4-10 si 5 Ty -9.5 0.0 -35.1 61.5  
----- PROGR. 18.

SOLLECITAZIONI :  
Caso MZ MY MT N TZ TY  
4-10 -1153.1 -395.9 0.0 -0.6 -158.3 461.2  
5-10 185.9 1188.4 0.0 -0.6 475.4 -74.4

TENSIONI (Sz= 0.00) :  
Caso Ve|No massimi Sx Tz Ty Si  
4-10 si 4 Sx Si -18.5 0.0 0.0 18.5  
5-10 si 7 Tz Ty -2.2 36.1 0.0 62.7  
4-10 si 5 Ty -4.7 0.0 -35.1 60.9  
----- PROGR. 20.

SOLLECITAZIONI :  
Caso MZ MY MT N TZ TY  
4- 9 0.0 0.0 0.0 0.0 -105.1 458.8  
5-10 0.0 0.0 0.0 0.0 475.4 -74.4  
4-10 0.0 0.0 0.0 0.0 -158.3 461.2

TENSIONI (Sz= 0.00) :  
Caso Ve|No massimi Sx Tz Ty Si  
4- 9 si 2 Sx 0.0 0.0 0.0 0.0  
5-10 si 7 Tz Si 0.0 36.1 0.0 62.6  
4-10 si 5 Ty 0.0 0.0 -35.1 60.8  
-----

VERIFICA STABILITA` :

L0 = 20.  
Z Lc = 20. Ro = 3.77 lm = 5.3 Ncr= 21681673.3 alfa(a)=0.2100 ki=1.0000

Y |Lc = 20. |Ro = 3.77|lm = 5.3|Ncr= 21681673.3|alfa(a)=0.2100|ki=1.0000|  
Caso 4-10 - Nodo 4 - Asse Z  
Ned = -4.6|Mzeq = -5534.8|Myeq = -1900.1|Ss = -89.0 ( 0.034)

CASSONE\_S006 ( 6 ) stato limite ultimo - ASTA ( 850- 891) 751  
----- PROGR. 0.

SOLLECITAZIONI :  
Caso | MZ | MY | MT | N | TZ | TY |  
5-12 | -3929.2 | 7620.7 | 0.0 | -4.6 | 381.0 | 196.5 |  
5-10 | -804.9 | 8579.3 | 0.0 | -4.6 | 429.0 | 40.2 |  
4-15 | -8334.2 | 1503.9 | 0.0 | -4.6 | 75.2 | 416.7 |

TENSIONI (Sz= 0.00) :  
Caso |Ve|No|massimi | Sx | Tz | Ty | Si |  
5-12 |si| 3|Sx |Si | -138.2 | 0.0 | 0.0 | 138.2 |  
5-10 |si| 7| Tz | 9.5 | 32.6 | 0.0 | 57.3 |  
4-15 |si| 5| Ty | 17.8 | 0.0 | -31.7 | 57.7 |

----- PROGR. 2.  
SOLLECITAZIONI :  
Caso | MZ | MY | MT | N | TZ | TY |  
5-12 | -3438.1 | 6668.1 | 0.0 | -4.0 | 381.0 | 196.5 |  
5-10 | -704.3 | 7506.9 | 0.0 | -4.0 | 429.0 | 40.2 |  
4-15 | -7292.4 | 1315.9 | 0.0 | -4.0 | 75.2 | 416.7 |

TENSIONI (Sz= 0.00) :  
Caso |Ve|No|massimi | Sx | Tz | Ty | Si |  
5-12 |si| 3|Sx |Si | -120.9 | 0.0 | 0.0 | 120.9 |  
5-10 |si| 7| Tz | 8.3 | 32.6 | 0.0 | 57.1 |  
4-15 |si| 5| Ty | 15.6 | 0.0 | -31.7 | 57.1 |

----- PROGR. 5.  
SOLLECITAZIONI :  
Caso | MZ | MY | MT | N | TZ | TY |  
5-12 | -2946.9 | 5715.5 | 0.0 | -3.5 | 381.0 | 196.5 |  
5-10 | -603.7 | 6434.4 | 0.0 | -3.5 | 429.0 | 40.2 |  
4-15 | -6250.6 | 1128.0 | 0.0 | -3.5 | 75.2 | 416.7 |

TENSIONI (Sz= 0.00) :  
Caso |Ve|No|massimi | Sx | Tz | Ty | Si |  
5-12 |si| 3|Sx |Si | -103.6 | 0.0 | 0.0 | 103.6 |  
5-10 |si| 7| Tz | 7.1 | 32.6 | 0.0 | 56.9 |  
4-15 |si| 5| Ty | 13.4 | 0.0 | -31.7 | 56.5 |

----- PROGR. 8.  
SOLLECITAZIONI :  
Caso | MZ | MY | MT | N | TZ | TY |  
5-12 | -2455.8 | 4763.0 | 0.0 | -2.9 | 381.0 | 196.5 |  
5-10 | -503.1 | 5362.0 | 0.0 | -2.9 | 429.0 | 40.2 |  
4-15 | -5208.9 | 940.0 | 0.0 | -2.9 | 75.2 | 416.7 |

TENSIONI (Sz= 0.00) :  
Caso |Ve|No|massimi | Sx | Tz | Ty | Si |  
5-12 |si| 3|Sx |Si | -86.4 | 0.0 | 0.0 | 86.4 |  
5-10 |si| 7| Tz | 5.9 | 32.6 | 0.0 | 56.8 |  
4-15 |si| 5| Ty | 11.1 | 0.0 | -31.7 | 56.0 |

----- PROGR. 10.  
SOLLECITAZIONI :  
Caso | MZ | MY | MT | N | TZ | TY |  
5-12 | -1964.6 | 3810.4 | 0.0 | -2.3 | 381.0 | 196.5 |  
5-10 | -402.4 | 4289.6 | 0.0 | -2.3 | 429.0 | 40.2 |  
4-15 | -4167.1 | 752.0 | 0.0 | -2.3 | 75.2 | 416.7 |

TENSIONI (Sz= 0.00) :  
Caso |Ve|No|massimi | Sx | Tz | Ty | Si |  
5-12 |si| 3|Sx |Si | -69.1 | 0.0 | 0.0 | 69.1 |  
5-10 |si| 7| Tz | 4.7 | 32.6 | 0.0 | 56.7 |  
4-15 |si| 5| Ty | 8.9 | 0.0 | -31.7 | 55.6 |

----- PROGR. 12.  
SOLLECITAZIONI :  
Caso | MZ | MY | MT | N | TZ | TY |  
5-12 | -1473.5 | 2857.8 | 0.0 | -1.7 | 381.0 | 196.5 |  
5-10 | -301.8 | 3217.2 | 0.0 | -1.7 | 429.0 | 40.2 |  
4-15 | -3125.3 | 564.0 | 0.0 | -1.7 | 75.2 | 416.7 |

TENSIONI (Sz= 0.00) :  
Caso |Ve|No|massimi | Sx | Tz | Ty | Si |  
5-12 |si| 3|Sx |Si | -51.8 | 0.0 | 0.0 | 51.8 |  
5-10 |si| 7| Tz | 3.5 | 32.6 | 0.0 | 56.6 |  
4-15 |si| 5| Ty | 6.7 | 0.0 | -31.7 | 55.3 |  
5-10 |si| 8| Si | -3.7 | 32.6 | 0.0 | 56.6 |

----- PROGR. 15.  
SOLLECITAZIONI :  
Caso | MZ | MY | MT | N | TZ | TY |  
5-12 | -982.3 | 1905.2 | 0.0 | -1.2 | 381.0 | 196.5 |  
5-10 | -201.2 | 2144.8 | 0.0 | -1.2 | 429.0 | 40.2 |  
4-15 | -2083.5 | 376.0 | 0.0 | -1.2 | 75.2 | 416.7 |

TENSIONI (Sz= 0.00) :  
Caso |Ve|No|massimi | Sx | Tz | Ty | Si |  
5-12 |si| 3|Sx |Si | -34.5 | 0.0 | 0.0 | 34.5 |  
5-10 |si| 7| Tz | 2.4 | 32.6 | 0.0 | 56.5 |  
4-15 |si| 5| Ty | 4.5 | 0.0 | -31.7 | 55.1 |  
5-10 |si| 8| Si | -2.4 | 32.6 | 0.0 | 56.6 |

----- PROGR. 18.  
SOLLECITAZIONI :  
Caso | MZ | MY | MT | N | TZ | TY |  
5-12 | -491.2 | 952.6 | 0.0 | -0.6 | 381.0 | 196.5 |  
5-10 | -100.6 | 1072.4 | 0.0 | -0.6 | 429.0 | 40.2 |  
4-15 | -1041.8 | 188.0 | 0.0 | -0.6 | 75.2 | 416.7 |

TENSIONI (Sz= 0.00) :  
Caso |Ve|No|massimi | Sx | Tz | Ty | Si |  
5-12 |si| 3|Sx |Si | -17.3 | 0.0 | 0.0 | 17.3 |  
5-10 |si| 7| Tz | 1.2 | 32.6 | 0.0 | 56.5 |  
4-15 |si| 5| Ty | 2.2 | 0.0 | -31.7 | 54.9 |  
5-10 |si| 8| Si | -1.2 | 32.6 | 0.0 | 56.5 |

----- PROGR. 20.  
SOLLECITAZIONI :  
Caso | MZ | MY | MT | N | TZ | TY |  
1- 1 | 0.0 | 0.0 | 0.0 | 0.0 | 134.3 | 403.3 |



5-10	0.0	0.0	0.0	0.0	429.0	40.2
4-15	0.0	0.0	0.0	0.0	75.2	416.7
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
1- 1	si	1	Sx	0.0	0.0	0.0
5-10	si	7	Tz	0.0	32.6	0.0
4-15	si	5	Ty	0.0	0.0	-31.7
						Si
						0.0
						56.5
						54.9

VERIFICA STABILITA` :

L0 = 20.  
 Z | Lc = 20. | Ro = 3.77 | lm = 5.3 | Ncr= 21681673.3 | alfa(a)=0.2100 | ki=1.0000 |  
 Y | Lc = 20. | Ro = 3.77 | lm = 5.3 | Ncr= 21681673.3 | alfa(a)=0.2100 | ki=1.0000 |  
 Caso 5-12 - Nodo 3 - Asse Z  
 Ned = -4.6 | Mzeq = -2357.5 | Myeq = 4572.4 | Ss = -83.0 ( 0.032 )

CASSONE\_S006 ( 6) stato limite ultimo - ASTA ( 843- 892) 752  
 -----  
 PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 9	-10318.7	-3677.5	0.0	-4.6	-183.9	515.9
5-13	1287.2	9296.2	0.0	-4.6	464.8	-64.4
4-10	-10344.1	-2619.4	0.0	-4.6	-131.0	517.2
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
4- 9	si	4	Sx	-167.4	0.0	0.0
5-13	si	7	Tz	-15.5	35.3	0.0
4-10	si	5	Ty	-31.5	0.0	-39.3
						Si
						167.4
						63.2
						75.0

-----  
 PROGR. 2.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 9	-9028.8	-3217.8	0.0	-4.0	-183.9	515.9
5-13	1126.3	8134.2	0.0	-4.0	464.8	-64.4
4-10	-9051.1	-2291.9	0.0	-4.0	-131.0	517.2
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
4- 9	si	4	Sx	-146.5	0.0	0.0
5-13	si	7	Tz	-13.6	35.3	0.0
4-10	si	5	Ty	-27.5	0.0	-39.3
						Si
						146.5
						62.7
						73.5

-----  
 PROGR. 5.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 9	-7739.0	-2758.1	0.0	-3.5	-183.9	515.9
5-13	965.4	6972.2	0.0	-3.5	464.8	-64.4
4-10	-7758.0	-1964.5	0.0	-3.5	-131.0	517.2
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
4- 9	si	4	Sx	-125.5	0.0	0.0
5-13	si	7	Tz	-11.7	35.3	0.0
4-10	si	5	Ty	-23.6	0.0	-39.3
						Si
						125.5
						62.3
						72.1

-----  
 PROGR. 8.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 9	-6449.2	-2298.4	0.0	-2.9	-183.9	515.9
5-13	804.5	5810.1	0.0	-2.9	464.8	-64.4
4-10	-6465.0	-1637.1	0.0	-2.9	-131.0	517.2
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
4- 9	si	4	Sx	-104.6	0.0	0.0
5-13	si	7	Tz	-9.7	35.3	0.0
4-10	si	5	Ty	-19.7	0.0	-39.3
						Si
						104.6
						62.0
						70.9

-----  
 PROGR. 10.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 9	-5159.3	-1838.7	0.0	-2.3	-183.9	515.9
5-13	643.6	4648.1	0.0	-2.3	464.8	-64.4
4-10	-5172.0	-1309.7	0.0	-2.3	-131.0	517.2
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
4- 9	si	4	Sx	-83.7	0.0	0.0
5-13	si	7	Tz	-7.8	35.3	0.0
4-10	si	5	Ty	-15.7	0.0	-39.3
						Si
						83.7
						61.7
						69.9

-----  
 PROGR. 12.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 9	-3869.5	-1379.0	0.0	-1.7	-183.9	515.9
5-13	482.7	3486.1	0.0	-1.7	464.8	-64.4
4-10	-3879.0	-982.3	0.0	-1.7	-131.0	517.2
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
4- 9	si	4	Sx	-62.8	0.0	0.0
5-13	si	7	Tz	-5.8	35.3	0.0
4-10	si	5	Ty	-11.8	0.0	-39.3
4- 9	si	5	Si	-16.5	0.0	-39.2
						Si
						62.8
						61.5
						69.1
						69.9

-----  
 PROGR. 15.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 9	-2579.7	-919.4	0.0	-1.2	-183.9	515.9
5-13	321.8	2324.1	0.0	-1.2	464.8	-64.4
4-10	-2586.0	-654.8	0.0	-1.2	-131.0	517.2
TENSIONI (Sz= 0.00) :						
Caso	Ve	No	massimi	Sx	Tz	Ty
4- 9	si	4	Sx	-41.8	0.0	0.0
5-13	si	7	Tz	-3.9	35.3	0.0
4-10	si	5	Ty	-7.9	0.0	-39.3
4- 9	si	5	Si	-11.0	0.0	-39.2
						Si
						41.8
						61.3
						68.6
						68.8

-----  
 PROGR. 18.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
------	----	----	----	---	----	----

4- 9	-1289.8	-459.7	0.0	-0.6	-183.9	515.9
5-13	160.9	1162.0	0.0	-0.6	464.8	-64.4
4-10	-1293.0	-327.4	0.0	-0.6	-131.0	517.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4- 9	si	4	Sx	-20.9	0.0	0.0	20.9
5-13	si	7	Tz	-1.9	35.3	0.0	61.3
4-10	si	5	TySi	-3.9	0.0	-39.3	68.2

PROGR. 20.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
4- 5	0.0	0.0	0.0	0.0	-53.6	-358.7
5-13	0.0	0.0	0.0	0.0	464.8	-64.4
4-10	0.0	0.0	0.0	0.0	-131.0	517.2

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
4- 5	si	1	Sx	0.0	0.0	0.0	0.0
5-13	si	7	Tz	0.0	35.3	0.0	61.2
4-10	si	5	TySi	0.0	0.0	-39.3	68.1

VERIFICA STABILITA` :

L0 = 20. |  
 Z | Lc = 20. | Ro = 3.77 | lm = 5.3 | Ncr= 21681673.3 | alfa(a )=0.2100 | ki=1.0000 |  
 Y | Lc = 20. | Ro = 3.77 | lm = 5.3 | Ncr= 21681673.3 | alfa(a )=0.2100 | ki=1.0000 |  
 Caso 4- 9 - Nodo 4 - Asse Z  
 Ned = -4.6 | Mzeq = -6191.2 | Myeq = -2206.5 | Ss = -100.5 ( 0.038 )

CASSONE\_S006 ( 6 ) stato limite ultimo - ASTA ( 857- 893 ) 753  
 ----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5-16	-4906.8	9224.1	0.0	-4.6	461.2	245.3
1- 1	-9880.2	2347.6	0.0	-6.0	117.4	494.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-16	si	3	Sx Si	-169.0	0.0	0.0	169.0
5-16	si	14	Tz	33.8	36.7	0.0	72.0
1- 1	si	5	Ty	27.8	0.0	-37.6	70.8

PROGR. 2.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5-16	-4293.5	8071.1	0.0	-4.0	461.2	245.3
1- 1	-8645.1	2054.2	0.0	-5.3	117.4	494.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-16	si	3	Sx Si	-147.9	0.0	0.0	147.9
5-16	si	14	Tz	29.6	36.7	0.0	70.1
1- 1	si	5	Ty	24.4	0.0	-37.6	69.5

PROGR. 5.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5-16	-3680.1	6918.1	0.0	-3.5	461.2	245.3
1- 1	-7410.1	1760.7	0.0	-4.5	117.4	494.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-16	si	3	Sx Si	-126.8	0.0	0.0	126.8
5-16	si	14	Tz	25.3	36.7	0.0	68.4
1- 1	si	5	Ty	20.9	0.0	-37.6	68.3

PROGR. 8.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5-16	-3066.8	5765.1	0.0	-2.9	461.2	245.3
1- 1	-6175.1	1467.3	0.0	-3.8	117.4	494.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-16	si	3	Sx Si	-105.6	0.0	0.0	105.6
5-16	si	14	Tz	21.1	36.7	0.0	66.9
1- 1	si	5	Ty	17.4	0.0	-37.6	67.4

PROGR. 10.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5-16	-2453.4	4612.1	0.0	-2.3	461.2	245.3
1- 1	-4940.1	1173.8	0.0	-3.0	117.4	494.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-16	si	3	Sx Si	-84.5	0.0	0.0	84.5
5-16	si	14	Tz	16.9	36.7	0.0	65.7
1- 1	si	5	Ty	13.9	0.0	-37.6	66.5

PROGR. 12.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5-16	-1840.1	3459.1	0.0	-1.7	461.2	245.3
1- 1	-3705.1	880.4	0.0	-2.3	117.4	494.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-16	si	3	Sx	-63.4	0.0	0.0	63.4
5-16	si	14	Tz	12.7	36.7	0.0	64.8
1- 1	si	5	Ty	10.4	0.0	-37.6	65.9
1- 1	si	6	Si	-10.6	0.0	-37.6	65.9

PROGR. 15.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5-16	-1226.7	2306.0	0.0	-1.2	461.2	245.3
1- 1	-2470.0	586.9	0.0	-1.5	117.4	494.0

TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-16	si	3	Sx	-42.3	0.0	0.0	42.3
5-16	si	14	Tz	8.4	36.7	0.0	64.1

1-1	si	5	Ty	7.0	0.0	-37.6	65.4
1-1	si	6	Si	-7.1	0.0	-37.6	65.4

-----  
PROGR. 18.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5-16	-613.4	1153.0	0.0	-0.6	461.2	245.3
1-1	-1235.0	293.5	0.0	-0.8	117.4	494.0

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-16	si	3	Sx	-21.1	0.0	0.0	21.1
5-16	si	14	Tz	4.2	36.7	0.0	63.7
1-1	si	5	Ty	3.5	0.0	-37.6	65.2
1-1	si	6	Si	-3.5	0.0	-37.6	65.2

-----  
PROGR. 20.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	0.0	0.0	0.0	0.0	117.4	494.0
5-16	0.0	0.0	0.0	0.0	461.2	245.3

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	2	Sx	0.0	0.0	0.0	0.0
5-16	si	14	Tz	0.0	36.7	0.0	63.5
1-1	si	5	TySi	0.0	0.0	-37.6	65.1

## VERIFICA STABILITA` :

L0 = 20.  
Z Lc = 20. | Ro = 3.77 | lm = 5.3 | Ncr = 21681673.3 | alfa(a) = 0.2100 | ki = 1.0000  
Y Lc = 20. | Ro = 3.77 | lm = 5.3 | Ncr = 21681673.3 | alfa(a) = 0.2100 | ki = 1.0000  
Caso 5-16 - Nodo 3 - Asse Z  
Ned = -4.6 | Mzeq = -2944.1 | Myeq = 5534.5 | Ss = -101.5 ( 0.039)

CASSONE\_S006 ( 6 ) stato limite ultimo - ASTA ( 1056- 833 ) 775  
-----  
PROGR. 0.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-40227.7	33159.7	-6669.6	-2874.0	484.9	476.4

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	-974.5	0.0	49.2	978.3
1-1	si	14	Tz	-245.5	97.9	0.0	298.3
1-1	si	11	Ty	-105.2	0.0	-97.8	199.4

-----  
PROGR. 6.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-37250.4	30129.0	-6669.6	-2861.8	484.9	476.4

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	-902.3	0.0	49.2	906.4
1-1	si	14	Tz	-239.9	97.9	0.0	293.8
1-1	si	11	Ty	-111.1	0.0	-97.8	202.6

-----  
PROGR. 12.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-34273.0	27098.3	-6669.6	-2849.7	484.9	476.4

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	-830.1	0.0	49.2	834.5
1-1	si	14	Tz	-234.3	97.9	0.0	289.2
1-1	si	11	Ty	-117.0	0.0	-97.8	205.9

-----  
PROGR. 19.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-31295.6	24067.6	-6669.6	-2837.5	484.9	476.4

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	-757.9	0.0	49.2	762.7
1-1	si	14	Tz	-228.8	97.9	0.0	284.8
1-1	si	11	Ty	-122.9	0.0	-97.8	209.3

-----  
PROGR. 25.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-28318.3	21036.9	-6669.6	-2825.3	484.9	476.4

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	-685.7	0.0	49.2	691.0
1-1	si	14	Tz	-223.2	97.9	0.0	280.3
1-1	si	11	Ty	-128.8	0.0	-97.8	212.9

-----  
PROGR. 31.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-25340.9	18006.2	-6669.6	-2813.1	484.9	476.4

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	-613.5	0.0	49.2	619.4
1-1	si	14	Tz	-217.6	97.9	0.0	275.9
1-1	si	11	Ty	-134.7	0.0	-97.8	216.5

-----  
PROGR. 38.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1-1	-22363.6	14975.5	-6669.6	-2800.9	484.9	476.4

## TENSIONI (Sz= 0.00) :

Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1-1	si	3	Sx	-541.3	0.0	49.2	548.0
1-1	si	14	Tz	-212.1	97.9	0.0	271.5
1-1	si	11	Ty	-140.7	0.0	-97.8	220.2

-----  
PROGR. 44.

## SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
------	----	----	----	---	----	----

1-1			-19386.2	11944.8	-6669.6	-2788.7	484.9	476.4
TENSIONI (Sz= 0.00) :								
Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	-469.1	0.0	49.2	476.8
1-1	si	14	Tz		-206.5	97.9	0.0	267.2
1-1	si	11	Ty		-146.6	0.0	-97.8	224.0

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1-1	-16408.8	8914.1	-6669.6	-2776.5	484.9	476.4

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	-396.9	0.0	49.2	406.0
1-1	si	14	Tz		-200.9	97.9	0.0	262.9
1-1	si	11	Ty		-152.5	0.0	-97.8	228.0

## VERIFICA STABILITA` :

L0 = 50.  
Z Lc = 50. Ro = 3.77 lm = 13.3 Ncr = 3469067.7 alfa(a) = 0.2100 ki = 1.0000  
Y Lc = 50. Ro = 3.77 lm = 13.3 Ncr = 3469067.7 alfa(a) = 0.2100 ki = 1.0000  
Caso 1-1 - Nodo 3 - Asse Z  
Ned = -2874.0 Mzeq = -30700.2 Myeq = 23461.4 Ss = -745.3 ( 0.285)

CASSONE\_S006 ( 6 ) stato limite ultimo - ASTA ( 1057- 840 ) 776  
----- PROGR. 0.

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1-1	-38753.4	16049.6	-6264.7	-2985.5	225.5	472.5

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	-756.3	0.0	46.3	760.5
1-1	si	14	Tz		-403.4	80.5	0.0	426.8
1-1	si	11	Ty		-298.6	0.0	-82.6	331.1

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1-1	-35800.0	14640.2	-6264.7	-2973.4	225.5	472.5

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	-703.7	0.0	46.3	708.3
1-1	si	14	Tz		-381.8	80.5	0.0	406.5
1-1	si	11	Ty		-285.4	0.0	-82.6	319.3

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1-1	-32846.7	13230.9	-6264.7	-2961.2	225.5	472.5

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	-651.2	0.0	46.3	656.1
1-1	si	14	Tz		-360.3	80.5	0.0	386.3
1-1	si	11	Ty		-272.2	0.0	-82.6	307.5

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1-1	-29893.4	11821.6	-6264.7	-2949.0	225.5	472.5

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	-598.6	0.0	46.3	604.0
1-1	si	14	Tz		-338.7	80.5	0.0	366.3
1-1	si	11	Ty		-259.0	0.0	-82.6	295.9

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1-1	-26940.0	10412.3	-6264.7	-2936.8	225.5	472.5

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	-546.1	0.0	46.3	551.9
1-1	si	14	Tz		-317.2	80.5	0.0	346.4
1-1	si	11	Ty		-245.7	0.0	-82.6	284.4

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1-1	-23986.7	9003.0	-6264.7	-2924.6	225.5	472.5

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	-493.5	0.0	46.3	500.0
1-1	si	14	Tz		-295.6	80.5	0.0	326.8
1-1	si	11	Ty		-232.5	0.0	-82.6	273.1

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1-1	-21033.4	7593.7	-6264.7	-2912.4	225.5	472.5

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	-441.0	0.0	46.3	448.2
1-1	si	14	Tz		-274.0	80.5	0.0	307.4
1-1	si	11	Ty		-219.3	0.0	-82.6	261.9

SOLLECITAZIONI :  

Caso	MZ	MY	MT	N	TZ	TY
1-1	-18080.1	6184.4	-6264.7	-2900.2	225.5	472.5

TENSIONI (Sz= 0.00) :  

Caso	Ve	No	massimi	Sx	Tz	Ty	Si	
1-1	si	3	Sx	Si	-388.5	0.0	46.3	396.6
1-1	si	14	Tz		-252.5	80.5	0.0	288.4
1-1	si	11	Ty		-206.1	0.0	-82.6	250.9

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-15126.7	4775.1	-6264.7	-2888.0	225.5	472.5

TENSIONI (Sz= 0.00) :

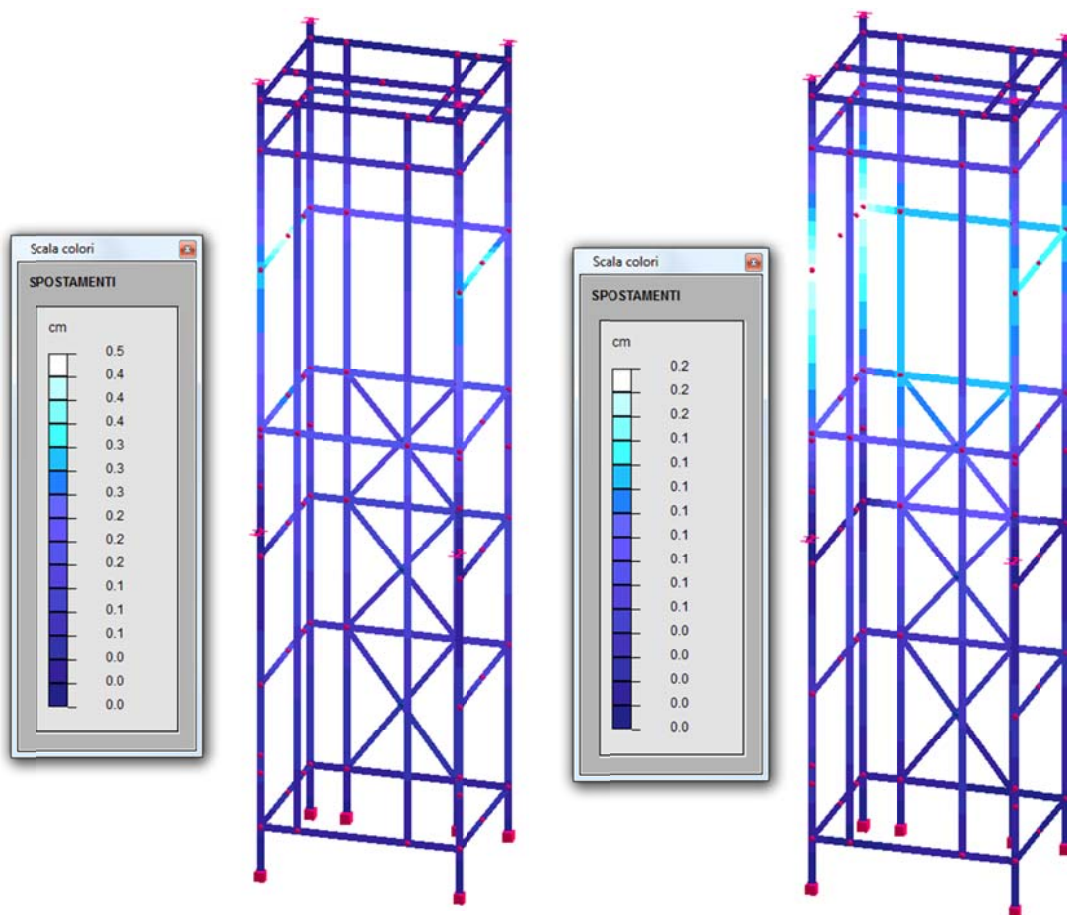
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	-335.9	0.0	46.3	345.3
1- 1	si	14	Tz	-230.9	80.5	0.0	269.7
1- 1	si	11	Ty	-192.9	0.0	-82.6	240.2

-----  
 VERIFICA STABILITA` :

Z | L0 = 50. |  
 Z | Lc = 50. | Ro = 3.77 | lm = 13.3 | Ncr = 3469067.7 | alfa(a) = 0.2100 | ki = 1.0000 |  
 Y | Lc = 50. | Ro = 3.77 | lm = 13.3 | Ncr = 3469067.7 | alfa(a) = 0.2100 | ki = 1.0000 |  
 Caso 1- 1 - Nodo 3 - Asse Z  
 Ned = -2985.5 | Mzeq = -29302.7 | Myeq = 11539.8 | Ss = -589.9 ( 0.225 )

## 2.7 Calcolo dello stato deformativo

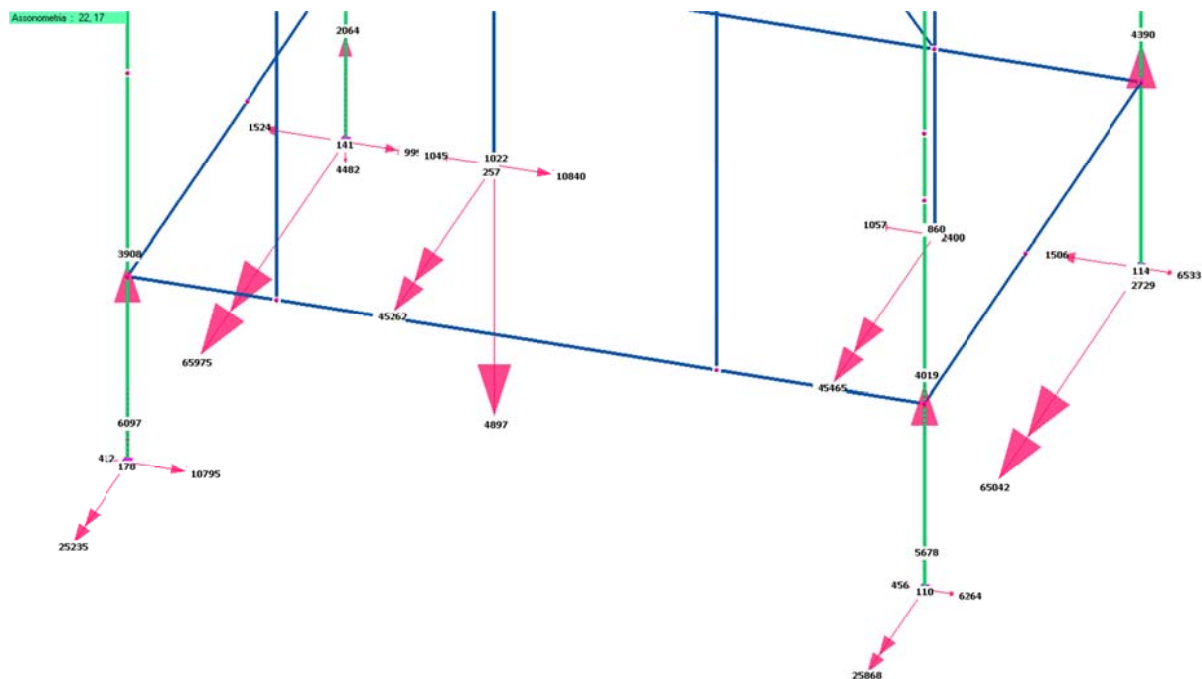
Si riportano gli spostamenti in esercizio e allo stato limite di danno rispettivamente in direzione x e y. Si ha un massimo di 5 mm in direzione x e 2 mm in direzione y:



## 2.8 Verifica connessioni

### 2.8.1 Connessioni di base dei montanti

Si riportano i valori delle reazioni vincolari alla base (involuppo dei massimi assoluti SLU/SLV) e le rispettive verifiche.



VERIFICA TENSIONALE NODI: 830, 844, 1066, 1068, 851, 837 - METODO DEGLI STATI LIMITE (NTC 2008)

UNITA' DI MISURA: [daN] ; [daNcm] ; [daN/cm2] ; [mm]

GEOMETRIA NODO

Profilo utilizzato

Tipo prof.	h	b	e
SCATOLARE	100.	100.	5.

Piastra e nervature

Num	Lz	Ly	Sp
1	300.	300.	12.
2(Y)	100.	100.	5.
3(Z)	100.	100.	5.

TIRAFONDI

Tirafondi (n° 8)

Num	X	Y	Fi	Area	Num	X	Y	Fi	Area
1	260.	40.	16.	157.	5	260.	150.	16.	157.
2	40.	40.	16.	157.	6	40.	150.	16.	157.
3	260.	260.	16.	157.	7	150.	260.	16.	157.
4	40.	260.	16.	157.	8	150.	40.	16.	157.

Altre proprietà:

l	lft	ll	r
400.	120.	350.	50.

SALDATURE

Saldature (n° 24)

Nome	Lungh.	Lato	Nome	Lungh.	Lato
S1	90.	7.	S13	100.	7.
S2	90.	7.	S14	100.	7.
S3	90.	7.	S15	100.	7.
S4	90.	7.	S16	100.	7.
S5	200.	7.	S17	100.	7.
S6	200.	7.	S18	100.	7.
S7	200.	7.	S19	100.	7.
S8	200.	7.	S20	100.	7.
S9	400.	7.	S21	100.	7.
S10	400.	7.	S22	100.	7.
S11	200.	7.	S23	100.	7.
S12	200.	7.	S24	100.	7.

MATERIALI

Acciaio prof.S 275 H (Fe 430)	Calcestruzzo C25/30
fd s<40mm	fd 40mm<s<80mm
2619.	2428.6
Acciaio pias. S 275 (Fe 430)	Acciaio tirafondi 8.8
fd s<40mm	fd 40mm<s<80mm
2619.	2428.6
	5192.

SOLLECITAZIONI AGENTI E STATO TENSIONALE

Combinazione di sollecitazioni agenti Caso 1 As. 783 Nd. 1068

N: -7940 Ty: 1056.5 Tz: -18.1  
Mt: 442 My: 1305 Mz: -45465

## Verifica tirafondi

Co-1, Co-2: NTC 2008, 4.2.8.1.1 formula (4.2.65)

Co-3: Ft,Ed / Tad,Rd

Num	Fv,Ed	Fv,Rd	Fb,Rd	Ft,Ed	Ft,Rd	Bp,Rd	Tad,Rd	Co-1	Co-2	Co-3	Ver
1	135.4	6028.8	10483.8	-154.8	9043.2	18674.6	3447.8	.02	.02	.04	SI'
2	128.7	6028.8	10483.8	-159.1	9043.2	18674.6	3447.8	.02	.02	.05	SI'
3	135.5	6028.8	10483.8	-11.5	9043.2	18674.6	3447.8	.02	0.	0.	SI'
4	128.8	6028.8	10483.8	-15.8	9043.2	18674.6	3447.8	.02	0.	0.	SI'
5	135.4	6028.8	15360.	-83.2	9043.2	18674.6	3447.8	.02	.01	.02	SI'
6	128.7	6028.8	15360.	-87.5	9043.2	18674.6	3447.8	.02	.01	.03	SI'
7	132.2	6028.8	10483.8	-13.7	9043.2	18674.6	3447.8	.02	0.	0.	SI'
8	132.1	6028.8	10483.8	-157.	9043.2	18674.6	3447.8	.02	.02	.05	SI'

## Verifica saldature

SEq-1, SLim-1: NTC 2008, 4.2.8.2.4 formula (4.2.78)

SEq-2, SLim-2: NTC 2008, 4.2.8.2.4 formula (4.2.79)

Nome	S_prp	Tau_pa	Tau_pe	SEq-1	SEq-2	SLim-1	SLim-2	Ver
S1	117.8	4.8	0.	117.9	117.8	1925.	2337.5	SI'
S2	24.8	11.	0.	27.2	24.8	1925.	2337.5	SI'
S3	111.	4.1	0.	111.1	111.	1925.	2337.5	SI'
S4	108.7	19.9	0.	110.5	108.7	1925.	2337.5	SI'
S5	208.5	15.5	0.	209.1	208.5	1925.	2337.5	SI'
S6	206.4	15.5	0.	206.9	206.4	1925.	2337.5	SI'
S7	113.3	.4	0.	113.3	113.3	1925.	2337.5	SI'
S8	25.	.4	0.	25.	25.	1925.	2337.5	SI'
S9	113.4	15.5	0.	114.5	113.4	1925.	2337.5	SI'
S10	115.6	15.5	0.	116.6	115.6	1925.	2337.5	SI'
S11	29.5	.4	0.	29.5	29.5	1925.	2337.5	SI'
S12	117.8	.4	0.	117.8	117.8	1925.	2337.5	SI'
S13	201.3	329.8	23.4	387.1	224.7	1925.	2337.5	SI'
S14	0.	329.8	23.4	330.6	23.4	1925.	2337.5	SI'
S15	0.	32.7	23.4	40.2	23.4	1925.	2337.5	SI'
S16	210.3	337.	23.4	397.9	233.7	1925.	2337.5	SI'
S17	210.3	337.	0.	397.2	210.3	1925.	2337.5	SI'
S18	210.3	337.	0.	397.2	210.3	1925.	2337.5	SI'
S19	210.3	337.	236.2	462.1	446.5	1925.	2337.5	SI'
S20	0.	337.	236.2	411.5	236.2	1925.	2337.5	SI'
S21	0.	237.7	236.2	335.1	236.2	1925.	2337.5	SI'
S22	201.3	329.8	236.2	452.8	437.5	1925.	2337.5	SI'
S23	201.3	329.8	0.	386.4	201.3	1925.	2337.5	SI'
S24	201.3	329.8	0.	386.4	201.3	1925.	2337.5	SI'

## Verifica piastra

Smax | fd | Ver  
875.6 | 2619. | SI'

## Verifica nervature

Posizione | Smax | fd | Ver  
Z | 1039.2 | 2619. | SI'  
Y | 923.4 | 2619. | SI'

## Verifica pressione sul calcestruzzo

Smax | fcd | Ver  
17.7 | 141.1 | SI'

NODO VERIFICATO IN BASE ALLA COMB. DI SOLLECITAZIONI AGENTI Caso 1 As. 783 Nd. 1068

Combinazione di sollecitazioni agenti Caso 1 As. 782 Nd. 1066

N: 4897.1 Ty: 1045.4 Tz: 257.5  
Mt: 485 My: 10840 Mz: -45262

## Verifica tirafondi

Co-1, Co-2: NTC 2008, 4.2.8.1.1 formula (4.2.65)

Co-3: Ft,Ed / Tad,Rd

Num	Fv,Ed	Fv,Rd	Fb,Rd	Ft,Ed	Ft,Rd	Bp,Rd	Tad,Rd	Co-1	Co-2	Co-3	Ver
1	139.1	6028.8	10483.8	198.6	9043.2	18674.6	3447.8	.04	.02	.06	SI'
2	132.	6028.8	10483.8	-2.7	9043.2	18674.6	3447.8	.02	0.	0.	SI'
3	137.3	6028.8	10483.8	1355.3	9043.2	18674.6	3447.8	.13	.15	.39	SI'
4	130.2	6028.8	10483.8	1154.	9043.2	18674.6	3447.8	.11	.13	.33	SI'
5	138.2	6028.8	15360.	776.9	9043.2	18674.6	3447.8	.08	.09	.23	SI'
6	131.	6028.8	15360.	575.7	9043.2	18674.6	3447.8	.07	.06	.17	SI'
7	133.7	6028.8	10483.8	1254.6	9043.2	18674.6	3447.8	.12	.14	.36	SI'
8	135.5	6028.8	10483.8	98.	9043.2	18674.6	3447.8	.03	.01	.03	SI'

## Verifica saldature

SEq-1, SLim-1: NTC 2008, 4.2.8.2.4 formula (4.2.78)

SEq-2, SLim-2: NTC 2008, 4.2.8.2.4 formula (4.2.79)

Nome	S_prp	Tau_pa	Tau_pe	SEq-1	SEq-2	SLim-1	SLim-2	Ver
S1	15.1	.4	0.	15.1	15.1	1925.	2337.5	SI'
S2	94.4	10.4	0.	94.9	94.4	1925.	2337.5	SI'
S3	73.7	10.2	0.	74.4	73.7	1925.	2337.5	SI'
S4	92.5	20.2	0.	94.7	92.5	1925.	2337.5	SI'
S5	106.3	15.3	0.	107.4	106.3	1925.	2337.5	SI'
S6	88.4	15.3	0.	89.7	88.4	1925.	2337.5	SI'
S7	24.	5.3	0.	24.5	24.	1925.	2337.5	SI'
S8	111.8	5.3	0.	112.	111.8	1925.	2337.5	SI'
S9	189.2	15.3	0.	189.8	189.2	1925.	2337.5	SI'
S10	171.3	15.3	0.	172.	171.3	1925.	2337.5	SI'
S11	74.2	5.3	0.	74.3	74.2	1925.	2337.5	SI'
S12	32.6	5.3	0.	33.	32.6	1925.	2337.5	SI'
S13	210.2	285.7	635.7	728.	845.8	1925.	2337.5	SI'
S14	0.	285.7	635.7	697.	635.7	1925.	2337.5	SI'
S15	0.	190.1	635.7	663.5	635.7	1925.	2337.5	SI'
S16	123.4	303.	635.7	715.	759.1	1925.	2337.5	SI'
S17	123.4	303.	0.	327.2	123.4	1925.	2337.5	SI'

## Posto di Controllo Centralizzato - Relazione di calcolo – Scala metallica e vano ascensore

S18	123.4	303.	0.	327.2	123.4	1925.	2337.5	SI'
S19	123.4	303.	12.2	327.4	135.6	1925.	2337.5	SI'
S20	0.	303.	12.2	303.3	12.2	1925.	2337.5	SI'
S21	0.	198.4	12.2	198.7	12.2	1925.	2337.5	SI'
S22	210.2	285.7	12.2	354.9	222.4	1925.	2337.5	SI'
S23	210.2	285.7	0.	354.7	210.2	1925.	2337.5	SI'
S24	210.2	285.7	0.	354.7	210.2	1925.	2337.5	SI'

## Verifica piastra

Smax	fd	Ver
1779.9	2619.	SI'

## Verifica nervature

Posizione	Smax	fd	Ver
Z	1837.	2619.	SI'
Y	1031.1	2619.	SI'

## Verifica pressione sul calcestruzzo

Smax	fcd	Ver
23.8	141.1	SI'

NODO VERIFICATO IN BASE ALLA COMB. DI SOLLECITAZIONI AGENTI Caso 1 As. 782 Nd. 1066

## Combinazione di sollecitazioni agenti Caso 5 As. 783 Nd. 1068

N:	-1787.9	Ty:	174.1	Tz:	-46.6
Mt:	832	My:	2300	Mz:	-7366

## Verifica tirafondi

Co-1, Co-2: NTC 2008, 4.2.8.1.1 formula (4.2.65)

Co-3: Ft,Ed / Tad,Rd

Num	Fv,Ed	Fv,Rd	Fb,Rd	Ft,Ed	Ft,Rd	Bp,Rd	Tad,Rd	Co-1	Co-2	Co-3	Ver
1	28.1	6028.8	10483.8	-27.2	9043.2	18674.6	3447.8	0.	0.	.01	SI'
2	15.5	6028.8	10483.8	-34.4	9043.2	18674.6	3447.8	0.	0.	.01	SI'
3	30.6	6028.8	10483.8	-4.2	9043.2	18674.6	3447.8	.01	0.	0.	SI'
4	19.6	6028.8	10483.8	-11.4	9043.2	18674.6	3447.8	0.	0.	0.	SI'
5	28.7	6028.8	15360.	-15.7	9043.2	18674.6	3447.8	0.	0.	0.	SI'
6	16.5	6028.8	15360.	-22.9	9043.2	18674.6	3447.8	0.	0.	.01	SI'
7	24.9	6028.8	10483.8	-7.8	9043.2	18674.6	3447.8	0.	0.	0.	SI'
8	21.8	6028.8	10483.8	-30.8	9043.2	18674.6	3447.8	0.	0.	.01	SI'

## Verifica saldature

SEq-1, SLim-1: NTC 2008, 4.2.8.2.4 formula (4.2.78)

SEq-2, SLim-2: NTC 2008, 4.2.8.2.4 formula (4.2.79)

Nome	S_prp	Tau_pa	Tau_pe	SEq-1	SEq-2	SLim-1	SLim-2	Ver
S1	25.	9.4	0.	26.7	25.	1925.	2337.5	SI'
S2	9.9	5.9	0.	11.5	9.9	1925.	2337.5	SI'
S3	24.2	7.4	0.	25.3	24.2	1925.	2337.5	SI'
S4	20.2	11.	0.	23.	20.2	1925.	2337.5	SI'
S5	39.9	2.5	0.	40.	39.9	1925.	2337.5	SI'
S6	36.1	2.5	0.	36.2	36.1	1925.	2337.5	SI'
S7	20.8	1.	0.	20.9	20.8	1925.	2337.5	SI'
S8	6.5	1.	0.	6.6	6.5	1925.	2337.5	SI'
S9	21.	2.5	0.	21.2	21.	1925.	2337.5	SI'
S10	24.8	2.5	0.	25.	24.8	1925.	2337.5	SI'
S11	14.5	1.	0.	14.6	14.5	1925.	2337.5	SI'
S12	28.8	1.	0.	28.8	28.8	1925.	2337.5	SI'
S13	39.5	57.3	14.1	71.	53.6	1925.	2337.5	SI'
S14	0.	57.3	14.1	59.1	14.1	1925.	2337.5	SI'
S15	0.	13.8	14.1	19.8	14.1	1925.	2337.5	SI'
S16	55.2	67.7	14.1	88.5	69.4	1925.	2337.5	SI'
S17	55.2	67.7	0.	87.4	55.2	1925.	2337.5	SI'
S18	55.2	67.7	0.	87.4	55.2	1925.	2337.5	SI'
S19	55.2	67.7	47.3	99.4	102.5	1925.	2337.5	SI'
S20	0.	67.7	47.3	82.6	47.3	1925.	2337.5	SI'
S21	0.	46.9	47.3	66.6	47.3	1925.	2337.5	SI'
S22	39.5	57.3	47.3	84.1	86.7	1925.	2337.5	SI'
S23	39.5	57.3	0.	69.6	39.5	1925.	2337.5	SI'
S24	39.5	57.3	0.	69.6	39.5	1925.	2337.5	SI'

## Verifica piastra

Smax	fd	Ver
142.3	2619.	SI'

## Verifica nervature

Posizione	Smax	fd	Ver
Z	219.2	2619.	SI'
Y	207.9	2619.	SI'

## Verifica pressione sul calcestruzzo

Smax	fcd	Ver
3.8	141.1	SI'

NODO VERIFICATO IN BASE ALLA COMB. DI SOLLECITAZIONI AGENTI Caso 5 As. 783 Nd. 1068

## Combinazione di sollecitazioni agenti Caso 1 As. 675 Nd. 844

N:	129.3	Ty:	1524.1	Tz:	141.5
Mt:	-4482	My:	9994	Mz:	-65975

## Verifica tirafondi

Co-1, Co-2: NTC 2008, 4.2.8.1.1 formula (4.2.65)

Co-3: Ft,Ed / Tad,Rd

Num	Fv,Ed	Fv,Rd	Fb,Rd	Ft,Ed	Ft,Rd	Bp,Rd	Tad,Rd	Co-1	Co-2	Co-3	Ver
1	157.4	6028.8	10483.8	-62.7	9043.2	18674.6	3447.8	.03	.01	.02	SI'
2	225.1	6028.8	10483.8	-166.4	9043.2	18674.6	3447.8	.04	.02	.05	SI'
3	164.9	6028.8	10483.8	882.4	9043.2	18674.6	3447.8	.1	.1	.26	SI'
4	230.3	6028.8	10483.8	778.7	9043.2	18674.6	3447.8	.1	.09	.23	SI'
5	157.6	6028.8	15360.	409.9	9043.2	18674.6	3447.8	.06	.05	.12	SI'
6	225.2	6028.8	15360.	306.2	9043.2	18674.6	3447.8	.06	.03	.09	SI'



7	197.4	6028.8	10483.8	830.5	9043.2	18674.6	3447.8	.1	.09	.24	SI'
8	191.2	6028.8	10483.8	-114.5	9043.2	18674.6	3447.8	.03	.01	.03	SI'

## Verifica saldature

SEq-1, SLim-1: NTC 2008, 4.2.8.2.4 formula (4.2.78)

SEq-2, SLim-2: NTC 2008, 4.2.8.2.4 formula (4.2.79)

Nome	S_prp	Tau_pa	Tau_pe	SEq-1	SEq-2	SLim-1	SLim-2	Ver
S1	77.5	48.2	0.	91.2	77.5	1925.	2337.5	SI'
S2	73.	67.6	0.	99.5	73.	1925.	2337.5	SI'
S3	68.7	42.4	0.	80.7	68.7	1925.	2337.5	SI'
S4	70.	23.	0.	73.7	70.	1925.	2337.5	SI'
S5	209.9	22.3	0.	211.	209.9	1925.	2337.5	SI'
S6	193.4	22.3	0.	194.6	193.4	1925.	2337.5	SI'
S7	57.6	2.9	0.	57.7	57.6	1925.	2337.5	SI'
S8	87.9	2.9	0.	87.9	87.9	1925.	2337.5	SI'
S9	211.2	22.3	0.	212.4	211.2	1925.	2337.5	SI'
S10	194.7	22.3	0.	196.	194.7	1925.	2337.5	SI'
S11	53.1	2.9	0.	53.2	53.1	1925.	2337.5	SI'
S12	92.3	2.9	0.	92.4	92.3	1925.	2337.5	SI'
S13	61.	274.8	420.8	506.3	481.8	1925.	2337.5	SI'
S14	0.	274.8	420.8	502.6	420.8	1925.	2337.5	SI'
S15	0.	125.8	420.8	439.2	420.8	1925.	2337.5	SI'
S16	12.3	348.3	420.8	546.4	433.1	1925.	2337.5	SI'
S17	12.3	348.3	0.	348.5	12.3	1925.	2337.5	SI'
S18	12.3	348.3	0.	348.5	12.3	1925.	2337.5	SI'
S19	12.3	348.3	86.4	359.	98.7	1925.	2337.5	SI'
S20	0.	348.3	86.4	358.8	86.4	1925.	2337.5	SI'
S21	0.	190.7	86.4	209.4	86.4	1925.	2337.5	SI'
S22	61.	274.8	86.4	294.5	147.5	1925.	2337.5	SI'
S23	61.	274.8	0.	281.5	61.	1925.	2337.5	SI'
S24	61.	274.8	0.	281.5	61.	1925.	2337.5	SI'

## Verifica piastra

Smax	fd	Ver
1460.7	2619.	SI'

## Verifica nervature

Posizione	Smax	fd	Ver
Z	1213.1	2619.	SI'
Y	1460.7	2619.	SI'

## Verifica pressione sul calcestruzzo

Smax	fd	Ver
34.1	141.1	SI'

NODO VERIFICATO IN BASE ALLA COMB. DI SOLLECITAZIONI AGENTI Caso 1 As. 675 Nd. 844

Combinazione di sollecitazioni agenti Caso 4 As. 663 Nd. 830

N: -2792.7	Ty: -26.6	Tz: 35
Mt: 1703	My: 1617	Mz: 6251

## Verifica tirafondi

Co-1, Co-2: NTC 2008, 4.2.8.1.1 formula (4.2.65)

Co-3: Ft,Ed / Tad,Rd

Num	Fv,Ed	Fv,Rd	Fb,Rd	Ft,Ed	Ft,Rd	Bp,Rd	Tad,Rd	Co-1	Co-2	Co-3	Ver
1	19.8	6028.8	10483.8	-17.9	9043.2	18674.6	3447.8	0.	0.	.01	SI'
2	23.7	6028.8	10483.8	-22.9	9043.2	18674.6	3447.8	0.	0.	.01	SI'
3	12.8	6028.8	10483.8	-37.4	9043.2	18674.6	3447.8	0.	0.	.01	SI'
4	18.3	6028.8	10483.8	-42.4	9043.2	18674.6	3447.8	0.	0.	.01	SI'
5	10.5	6028.8	15360.	-27.6	9043.2	18674.6	3447.8	0.	0.	.01	SI'
6	16.8	6028.8	15360.	-32.7	9043.2	18674.6	3447.8	0.	0.	.01	SI'
7	9.2	6028.8	10483.8	-39.9	9043.2	18674.6	3447.8	0.	0.	.01	SI'
8	17.6	6028.8	10483.8	-20.4	9043.2	18674.6	3447.8	0.	0.	.01	SI'

## Verifica saldature

SEq-1, SLim-1: NTC 2008, 4.2.8.2.4 formula (4.2.78)

SEq-2, SLim-2: NTC 2008, 4.2.8.2.4 formula (4.2.79)

Nome	S_prp	Tau_pa	Tau_pe	SEq-1	SEq-2	SLim-1	SLim-2	Ver
S1	18.5	16.5	0.	24.8	18.5	1925.	2337.5	SI'
S2	31.2	17.6	0.	35.9	31.2	1925.	2337.5	SI'
S3	31.1	17.9	0.	35.9	31.1	1925.	2337.5	SI'
S4	28.3	16.8	0.	32.9	28.3	1925.	2337.5	SI'
S5	18.9	.4	0.	18.9	18.9	1925.	2337.5	SI'
S6	16.3	.4	0.	16.3	16.3	1925.	2337.5	SI'
S7	16.1	.7	0.	16.1	16.1	1925.	2337.5	SI'
S8	28.3	.7	0.	28.3	28.3	1925.	2337.5	SI'
S9	41.8	.4	0.	41.8	41.8	1925.	2337.5	SI'
S10	44.5	.4	0.	44.5	44.5	1925.	2337.5	SI'
S11	33.9	.7	0.	33.9	33.9	1925.	2337.5	SI'
S12	21.7	.7	0.	21.7	21.7	1925.	2337.5	SI'
S13	67.4	71.1	78.3	125.4	145.8	1925.	2337.5	SI'
S14	0.	71.1	78.3	105.8	78.3	1925.	2337.5	SI'
S15	0.	61.5	78.3	99.6	78.3	1925.	2337.5	SI'
S16	78.5	78.4	78.3	135.8	156.8	1925.	2337.5	SI'
S17	78.5	78.4	0.	110.9	78.5	1925.	2337.5	SI'
S18	78.5	78.4	0.	110.9	78.5	1925.	2337.5	SI'
S19	78.5	78.4	37.7	117.2	116.2	1925.	2337.5	SI'
S20	0.	78.4	37.7	87.	37.7	1925.	2337.5	SI'
S21	0.	33.4	37.7	50.3	37.7	1925.	2337.5	SI'
S22	67.4	71.1	37.7	105.	105.1	1925.	2337.5	SI'
S23	67.4	71.1	0.	98.	67.4	1925.	2337.5	SI'
S24	67.4	71.1	0.	98.	67.4	1925.	2337.5	SI'

## Verifica piastra

Smax	fd	Ver
122.9	2619.	SI'

## Verifica nervature

Posizione	Smax	fd	Ver
-----------	------	----	-----

Z | 304.6 | 2619. |SI'|  
 Y | 268.4 | 2619. |SI'|

Verifica pressione sul calcestruzzo

Smax | fcd | Ver |  
 4.5 | 141.1 | SI' |

NODO VERIFICATO IN BASE ALLA COMB. DI SOLLECITAZIONI AGENTI Caso 4 As. 663 Nd. 830

Combinazione di sollecitazioni agenti Caso 5 As. 683 Nd. 851

N: -2038.9 Ty: 369.3 Tz: -24.1  
 Mt: -1488 My: -2799 Mz: -15960

Verifica tirafondi

Co-1, Co-2: NTC 2008, 4.2.8.1.1 formula (4.2.65)

Co-3: Ft,Ed / Tad,Rd

Num	Fv,Ed	Fv,Rd	Fb,Rd	Ft,Ed	Ft,Rd	Bp,Rd	Tad,Rd	Co-1	Co-2	Co-3	Ver
1	37.7	6028.8	10483.8	-54.4	9043.2	18674.6	3447.8	.01	.01	.02	SI'
2	59.2	6028.8	10483.8	-43.1	9043.2	18674.6	3447.8	.01	0.	.01	SI'
3	35.9	6028.8	10483.8	4.1	9043.2	18674.6	3447.8	.01	0.	0.	SI'
4	58.	6028.8	10483.8	15.4	9043.2	18674.6	3447.8	.01	0.	0.	SI'
5	35.	6028.8	15360.	-25.2	9043.2	18674.6	3447.8	.01	0.	.01	SI'
6	57.5	6028.8	15360.	-13.9	9043.2	18674.6	3447.8	.01	0.	0.	SI'
7	46.9	6028.8	10483.8	9.7	9043.2	18674.6	3447.8	.01	0.	0.	SI'
8	48.3	6028.8	10483.8	-48.8	9043.2	18674.6	3447.8	.01	.01	.01	SI'

Verifica saldature

SEq-1, SLim-1: NTC 2008, 4.2.8.2.4 formula (4.2.78)

SEq-2, SLim-2: NTC 2008, 4.2.8.2.4 formula (4.2.79)

Nome	S_prp	Tau_pa	Tau_pe	SEq-1	SEq-2	SLim-1	SLim-2	Ver
S1	36.8	14.5	0.	39.5	36.8	1925.	2337.5	SI'
S2	4.1	20.4	0.	20.9	4.1	1925.	2337.5	SI'
S3	29.6	15.5	0.	33.4	29.6	1925.	2337.5	SI'
S4	34.4	9.6	0.	35.8	34.4	1925.	2337.5	SI'
S5	64.	5.4	0.	64.2	64.	1925.	2337.5	SI'
S6	68.6	5.4	0.	68.8	68.6	1925.	2337.5	SI'
S7	41.1	.5	0.	41.1	41.1	1925.	2337.5	SI'
S8	10.1	.5	0.	10.1	10.1	1925.	2337.5	SI'
S9	36.	5.4	0.	36.4	36.	1925.	2337.5	SI'
S10	33.9	5.4	0.	34.3	33.9	1925.	2337.5	SI'
S11	4.5	.5	0.	4.6	4.5	1925.	2337.5	SI'
S12	31.3	.5	0.	31.3	31.3	1925.	2337.5	SI'
S13	60.8	115.8	4.5	130.9	65.3	1925.	2337.5	SI'
S14	0.	115.8	4.5	115.9	4.5	1925.	2337.5	SI'
S15	0.	.1	4.5	4.5	4.5	1925.	2337.5	SI'
S16	41.7	92.6	4.5	101.7	46.2	1925.	2337.5	SI'
S17	41.7	92.6	0.	101.6	41.7	1925.	2337.5	SI'
S18	41.7	92.6	0.	101.6	41.7	1925.	2337.5	SI'
S19	41.7	92.6	70.9	123.8	112.6	1925.	2337.5	SI'
S20	0.	92.6	70.9	116.6	70.9	1925.	2337.5	SI'
S21	0.	73.	70.9	101.7	70.9	1925.	2337.5	SI'
S22	60.8	115.8	70.9	148.8	131.6	1925.	2337.5	SI'
S23	60.8	115.8	0.	130.8	60.8	1925.	2337.5	SI'
S24	60.8	115.8	0.	130.8	60.8	1925.	2337.5	SI'

Verifica piastra

Smax | fcd | Ver |  
 328.6 | 2619. | SI' |

Verifica nervature

Posizione | Smax | fcd | Ver |  
 Z | 337.1 | 2619. | SI' |  
 Y | 328.6 | 2619. | SI' |

Verifica pressione sul calcestruzzo

Smax | fcd | Ver |  
 6.4 | 141.1 | SI' |

NODO VERIFICATO IN BASE ALLA COMB. DI SOLLECITAZIONI AGENTI Caso 5 As. 683 Nd. 851

Combinazione di sollecitazioni agenti Caso 1 As. 663 Nd. 830

N: -3907.6 Ty: 412.4 Tz: 177.9  
 Mt: 6097 My: 10795 Mz: -25235

Verifica tirafondi

Co-1, Co-2: NTC 2008, 4.2.8.1.1 formula (4.2.65)

Co-3: Ft,Ed / Tad,Rd

Num	Fv,Ed	Fv,Rd	Fb,Rd	Ft,Ed	Ft,Rd	Bp,Rd	Tad,Rd	Co-1	Co-2	Co-3	Ver
1	119.3	6028.8	10483.8	-63.5	9043.2	18674.6	3447.8	.02	.01	.02	SI'
2	68.6	6028.8	10483.8	-103.	9043.2	18674.6	3447.8	.01	.01	.03	SI'
3	100.6	6028.8	10483.8	23.4	9043.2	18674.6	3447.8	.02	0.	.01	SI'
4	24.5	6028.8	10483.8	-16.1	9043.2	18674.6	3447.8	0.	0.	0.	SI'
5	100.2	6028.8	15360.	-20.	9043.2	18674.6	3447.8	.02	0.	.01	SI'
6	22.9	6028.8	15360.	-59.6	9043.2	18674.6	3447.8	0.	.01	.02	SI'
7	56.8	6028.8	10483.8	3.7	9043.2	18674.6	3447.8	.01	0.	0.	SI'
8	85.7	6028.8	10483.8	-83.3	9043.2	18674.6	3447.8	.01	.01	.02	SI'

Verifica saldature

SEq-1, SLim-1: NTC 2008, 4.2.8.2.4 formula (4.2.78)

SEq-2, SLim-2: NTC 2008, 4.2.8.2.4 formula (4.2.79)

Nome	S_prp	Tau_pa	Tau_pe	SEq-1	SEq-2	SLim-1	SLim-2	Ver
S1	69.	57.9	0.	90.1	69.	1925.	2337.5	SI'
S2	17.4	55.6	0.	58.2	17.4	1925.	2337.5	SI'
S3	66.5	65.3	0.	93.2	66.5	1925.	2337.5	SI'
S4	47.7	67.6	0.	82.8	47.7	1925.	2337.5	SI'
S5	120.2	6.	0.	120.4	120.2	1925.	2337.5	SI'
S6	102.4	6.	0.	102.6	102.4	1925.	2337.5	SI'
S7	49.8	3.7	0.	50.	49.8	1925.	2337.5	SI'

S8	17.9	3.7	0.	18.3	17.9	1925.	2337.5	SI'
S9	52.4	6.	0.	52.7	52.4	1925.	2337.5	SI'
S10	68.6	6.	0.	68.9	68.6	1925.	2337.5	SI'
S11	38.4	3.7	0.	38.5	38.4	1925.	2337.5	SI'
S12	87.4	3.7	0.	87.5	87.4	1925.	2337.5	SI'
S13	69.	138.5	4.9	154.8	73.9	1925.	2337.5	SI'
S14	0.	138.5	4.9	138.6	4.9	1925.	2337.5	SI'
S15	0.	11.	4.9	12.	4.9	1925.	2337.5	SI'
S16	145.2	212.6	4.9	257.5	150.1	1925.	2337.5	SI'
S17	145.2	212.6	0.	257.4	145.2	1925.	2337.5	SI'
S18	145.2	212.6	0.	257.4	145.2	1925.	2337.5	SI'
S19	145.2	212.6	123.3	285.4	268.5	1925.	2337.5	SI'
S20	0.	212.6	123.3	245.8	123.3	1925.	2337.5	SI'
S21	0.	125.4	123.3	175.9	123.3	1925.	2337.5	SI'
S22	69.	138.5	123.3	197.9	192.3	1925.	2337.5	SI'
S23	69.	138.5	0.	154.7	69.	1925.	2337.5	SI'
S24	69.	138.5	0.	154.7	69.	1925.	2337.5	SI'

Verifica piastra

Smax	fd	Ver
533.9	2619.	SI'

Verifica nervature

Posizione	Smax	fd	Ver
Z	624.7	2619.	SI'
Y	599.	2619.	SI'

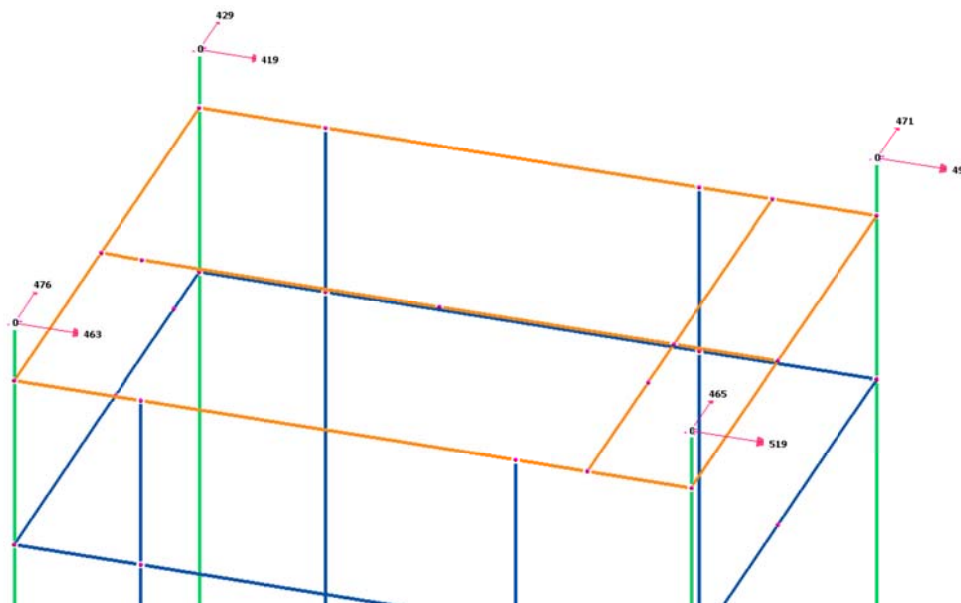
Verifica pressione sul calcestruzzo

Smax	fcd	Ver
12.	141.1	SI'

NODO VERIFICATO IN BASE ALLA COMB. DI SOLLECITAZIONI AGENTI Caso 1 As. 663 Nd. 830

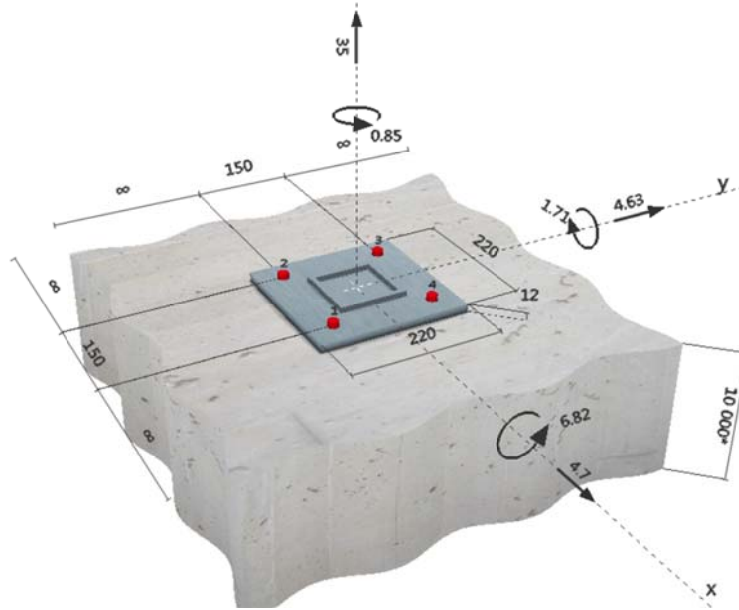
### 2.8.2 Connessioni in sommità dei montanti

Si riportano i valori delle reazioni vincolari in sommità (involuppo dei massimi assoluti SLU/SLV) e le rispettive verifiche. A favore di sicurezza le connessioni sono calcolate su uno schema a incastro (è stato modificato il modello FEM per ottenerne le sollecitazioni, non se ne riportano graficamente i valori in quanto è un modello di appoggio):



### 1 Dati da inserire

Tipo e dimensione dell'ancorante:	HIT-HY 200-A + HIT-Z M16	
Profondità di posa effettiva:	$h_{ef,ac} = 180 \text{ mm}$ ( $h_{ef,limit} = -$ mm)	
Materiale:	DIN EN ISO 4042	
Certificazione No.:	ETA 12/0006	
Enesso   Valido:	15/03/2013   10/02/2017	
Prova:	metodo di calcolo ETAG BOND (EOTA TR 029)	
Fissaggio distanziato:	$e_n = 0 \text{ mm}$ (Senza distanziamento); $t = 12 \text{ mm}$	
Pastra d'ancoraggio:	$l_x \times l_y \times t = 220 \text{ mm} \times 220 \text{ mm} \times 12 \text{ mm}$ ; (Spessore della piastra raccomandato: non calcolato)	
Profilo:	Profilo quadrato cavo; (L x W x T) = 100 mm x 100 mm x 8 mm	
Materiale base:	fessurato calcestruzzo, C25/30, $f_{cc} = 30.00 \text{ N/mm}^2$ ; $h = 10000 \text{ mm}$ , Temp. Breve/Lungo: 0/0 °C	
Installazione:	Foro eseguito con perforatore, Condizioni di installazione: asciutto	
Armatura:	nessuna armatura o interasse tra le armature $\geq 150 \text{ mm}$ (qualunque $\varnothing$ ) o $\geq 100 \text{ mm}$ ( $\varnothing \leq 10 \text{ mm}$ ) senza armatura di bordo longitudinale	



### 2 Condizione di carico/Carichi risultanti sull'ancorante

Condizione di carico: Carichi di progetto

#### Carichi sull'ancorante [kN]

Trazione: (+ Trazione, - Compressione)

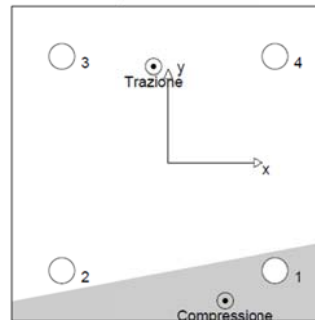
Ancorante	Trazione	Taglio	Taglio in dir. x	Taglio in dir. y
1	0.000	3.653	2.592	2.574
2	2.931	2.605	2.592	-0.259
3	32.354	0.354	-0.242	-0.259
4	26.802	2.585	-0.242	2.574

Compressione max. nel calcestruzzo: 0.34 [%]

Max. sforzo di compressione nel calcestruzzo: 10.30 [N/mm<sup>2</sup>]

risultante delle forze di trazione nel (x/y)=(-10/68): 62.087 [kN]

risultante delle forze di compressione (x/y)=(40/-96): 27.087 [kN]



**3 Carico di trazione (EOTA TR 029, Sezione 5.2.2)**

	Carico [kN]	Resistenza [kN]	Utilizzo $\beta_N$ [%]	Stato
Rottura dell'acciaio*	32.354	64.000	51	OK
Rottura combinata conica del calcestruzzo e per sfilamento**	62.087	100.975	62	OK
Rottura conica del calcestruzzo**	62.087	80.803	77	OK
Fessurazione**	N/A	N/A	N/A	N/A

\*ancorante più sollecitato \*\*gruppo di ancoranti (ancoranti sollecitati)

**3.1 Rottura dell'acciaio**

$N_{Rk,s}$ [kN]	$\gamma_{M,s}$	$N_{Rd,s}$ [kN]	$N_{Sd}$ [kN]
96.000	1.500	64.000	32.354

**3.2 Rottura combinata conica del calcestruzzo e per sfilamento**

$A_{p,N}$ [mm <sup>2</sup> ]	$A_{p,N}^0$ [mm <sup>2</sup> ]	$f_{Rk,uz,25}$ [N/mm <sup>2</sup> ]	$s_{cr,Np}$ [mm]	$c_{cr,Np}$ [mm]	$c_{min}$ [mm]	$h_{ef,Helix}$ [mm]
169344	82944	24.00	288	144	$\infty$	96
$\psi_c$	$f_{Rk,cr}$ [N/mm <sup>2</sup> ]	k	$\psi_{g,Np}$	$\psi_{s,Np}$		
1.000	22.00	2.300	1.000	1.000		
$e_{c1,N}$ [mm]	$\psi_{ec1,Np}$	$e_{c2,N}$ [mm]	$\psi_{ec2,Np}$	$\psi_{s,Np}$	$\psi_{re,Np}$	
15	0.907	43	0.770	1.000	1.000	
$N_{Rk,p}^0$ [kN]	$N_{Rk,p}$ [kN]	$\gamma_{M,p}$	$N_{Rd,p}$ [kN]	$N_{Sd}$ [kN]		
106.161	151.462	1.500	100.975	62.087		

**3.3 Rottura conica del calcestruzzo**

$A_{c,N}$ [mm <sup>2</sup> ]	$A_{c,N}^0$ [mm <sup>2</sup> ]	$c_{cr,N}$ [mm]	$s_{cr,N}$ [mm]			
453600	291600	270	540			
$e_{c1,N}$ [mm]	$\psi_{ec1,N}$	$e_{c2,N}$ [mm]	$\psi_{ec2,N}$	$\psi_{s,N}$	$\psi_{re,N}$	$k_1$
15	0.948	43	0.863	1.000	1.000	7.200
$N_{Rk,c}^0$ [kN]	$\gamma_{M,c}$	$N_{Rd,c}$ [kN]	$N_{Sd}$ [kN]			
95.236	1.500	80.803	62.087			

**4 Carico di taglio (EOTA TR 029, Sezione 5.2.3)**

	Carico [kN]	Resistenza [kN]	Utilizzo $\beta_V$ [%]	Stato
Rottura dell'acciaio (senza braccio di leva)*	3.653	38.400	10	OK
Rottura dell'acciaio (con braccio di leva)*	N/A	N/A	N/A	N/A
Rottura per pryout*	3.653	51.831	8	OK
Rottura del bordo del calcestruzzo in direzione **	N/A	N/A	N/A	N/A

\*ancorante più sollecitato \*\*gruppo di ancoranti (ancoranti specifici)

**4.1 Rottura dell'acciaio (senza braccio di leva)**

$V_{Rk,s}$ [kN]	$\gamma_{M,s}$	$V_{Rd,s}$ [kN]	$V_{Sd}$ [kN]
48.000	1.250	38.400	3.653

**4.2 Rottura per pryout (cono del calcestruzzo)**

$A_{c,N}$ [mm <sup>2</sup> ]	$A_{c,N}^0$ [mm <sup>2</sup> ]	$c_{cr,N}$ [mm]	$s_{cr,N}$ [mm]	k-factor	$k_1$
119025	291600	270	540	2.000	7.200
$e_{c1,V}$ [mm]	$\psi_{ec1,N}$	$e_{c2,V}$ [mm]	$\psi_{ec2,N}$	$\psi_{s,N}$	$\psi_{re,N}$
0	1.000	0	1.000	1.000	1.000
$N_{Rk,c}$ [kN]	$\gamma_{M,c,p}$	$V_{Rd,c1}$ [kN]	$V_{Sd}$ [kN]		
95.236	1.500	51.831	3.653		

**5 Carichi combinati di trazione e di taglio (EOTA TR 029, Sezione 5.2.4)**

$\beta_N$	$\beta_V$	$\alpha$	Utilizzo $\beta_{N,V}$ [%]	Stato
0.768	0.095	1.500	71	OK

$$\beta_N + \beta_V \leq 1$$

**6 Spostamenti (ancorante più sollecitato)**

Carichi a breve termine:

$N_{Sk}$ = 23.966 [kN]	$\delta_N$ = 0.238 [mm]
$V_{Sk}$ = 0.262 [kN]	$\delta_V$ = 0.010 [mm]
	$\delta_{NV}$ = 0.239 [mm]

Carichi a lungo termine:

$N_{Sk}$ = 23.966 [kN]	$\delta_N$ = 0.556 [mm]
$V_{Sk}$ = 0.262 [kN]	$\delta_V$ = 0.016 [mm]
	$\delta_{NV}$ = 0.556 [mm]

Commenti: Gli spostamenti a trazione risultano validi con metà del valore della coppia di serraggio richiesta per non fessurato calcestruzzo! Gli spostamenti a taglio sono validi trascurando l'attrito tra il calcestruzzo e la piastra d'ancoraggio! Lo spazio derivante dal foro eseguito con perforatore e dalle tolleranze dei fori non viene considerato in questo calcolo!

Gli spostamenti ammissibili dell'ancorante dipendono dalla struttura fissata e devono essere definiti dal progettista!

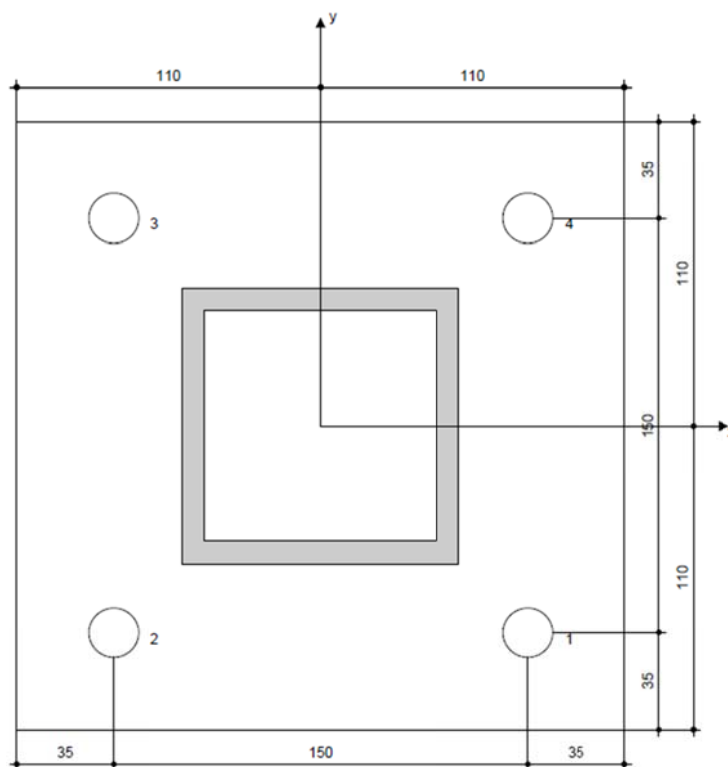
## 7 Attenzione

- Fenomeni di redistribuzione dei carichi sugli ancoranti derivanti da eventuali deformazioni elastiche della piastra non sono presi in considerazione. Si assume una piastra di ancoraggio sufficientemente rigida in modo che non risulti deformabile sotto l'azione di carichi
- La verifica del trasferimento dei carichi nel materiale base è necessaria in accordo all'EOTA TR 029 sezione 7!
- Il calcolo è valido solo se le dimensioni dei fori sulla piastra non superano i valori indicati nella Tabella 4.1 da EOTA TR029! Per diametri dei fori superiori vedere il capitolo 1.1 dell'EOTA TR029!
- La lista accessori inclusa in questo report di calcolo è da ritenersi solo come informativa dell'utente. In ogni caso, le istruzioni d'uso fornite con il prodotto dovranno essere rispettate per garantire una corretta installazione.
- L'adesione chimica caratteristica dipende dalle temperature di breve e di lungo periodo.
- L'armatura di bordo non è necessaria per evitare la modalità di rottura per fessurazione (splitting)

## 8 Dati relativi all'installazione

Piastra d'ancoraggio, acciaio: -  
 Profilo: Profilo quadrato cavo: 100 x 100 x 8 mm  
 Diametro del foro nella piastra:  $d_f = 18$  mm  
 Spessore della piastra (input): 12 mm  
 Spessore della piastra raccomandato: non calcolato  
 Pulizia: Non è necessaria la pulizia del foro

Tipo e dimensione dell'ancorante: HIT-HY 200-A + HIT-Z M16  
 Coppia di serraggio: 0.080 kNm  
 Diametro del foro nel materiale base: 18 mm  
 Profondità del foro nel materiale base: 235 mm  
 Spessore minimo del materiale base: 280 mm

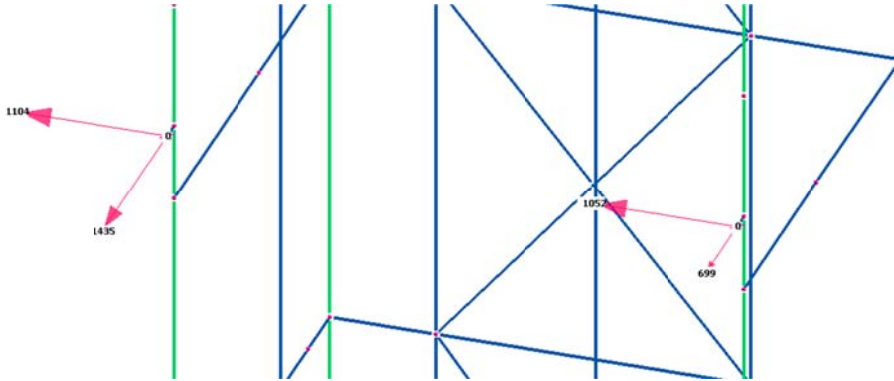


Coordinate dell'ancorante [mm]

Ancorante	x	y	c <sub>x</sub>	c <sub>x</sub>	c <sub>y</sub>	c <sub>y</sub>
1	75	-75	-	-	-	-
2	-75	-75	-	-	-	-
3	-75	75	-	-	-	-
4	75	75	-	-	-	-

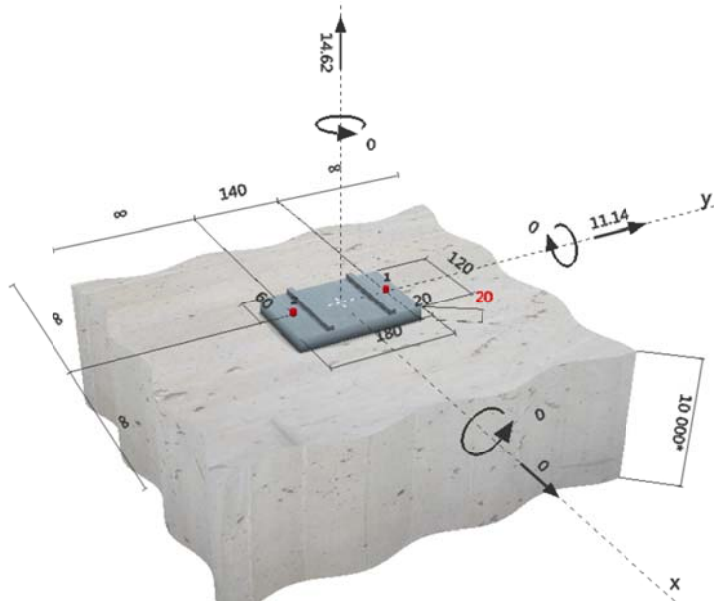
### 2.8.3 Connessioni intermedie

Si riportano i valori delle reazioni vincolari (involuppo dei massimi assoluti SLU/SLV) e le rispettive verifiche.



#### 1 Dati da inserire

<b>Tipo e dimensione dell'ancorante:</b>	<b>HIT-HY 200-A + HIT-Z M8</b>	
<b>Profondità di posa effettiva:</b>	$h_{ef,ac} = 100 \text{ mm}$ ( $h_{ef,limit} = - \text{ mm}$ )	
<b>Materiale:</b>	DIN EN ISO 4042	
<b>Certificazione No.:</b>	ETA 12/0006	
<b>Emesso l Valido:</b>	15/03/2013   10/02/2017	
<b>Prova:</b>	metodo di calcolo ETAG BOND (EOTA TR 029)	
<b>Fissaggio distanziato:</b>	$e_{90} = 0 \text{ mm}$ (Senza distanziamento); $t = 20 \text{ mm}$	
<b>Pastra d'ancoraggio:</b>	$l_x \times l_y \times t = 120 \text{ mm} \times 180 \text{ mm} \times 20 \text{ mm}$ ; (Spessore della piastra raccomandato: non calcolato)	
<b>Profilo:</b>	Doppia Barra d'acciaio; ( $L \times W \times T$ ) = $120 \text{ mm} \times 100 \text{ mm} \times 8 \text{ mm}$	
<b>Materiale base:</b>	fessurato calcestruzzo, C25/30, $f_{cc} = 30.00 \text{ N/mm}^2$ ; $h = 10000 \text{ mm}$ , Temp. Breve/Lungo: 0/0 °C	
<b>Installazione:</b>	Foro eseguito con perforatore, Condizioni di installazione: asciutto	
<b>Armatura:</b>	nessuna armatura o interasse tra le armature $\geq 150 \text{ mm}$ (qualunque $\varnothing$ ) o $\geq 100 \text{ mm}$ ( $\varnothing \leq 10 \text{ mm}$ ) senza armatura di bordo longitudinale	



## 2 Condizione di carico/Carichi risultanti sull'ancorante

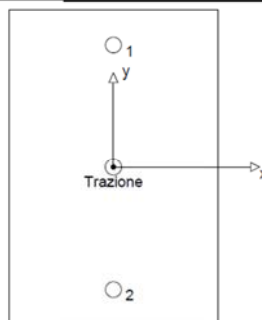
Condizione di carico: Carichi di progetto

### Carichi sull'ancorante [kN]

Trazione: (+ Trazione, - Compressione)

Ancorante	Trazione	Taglio	Taglio in dir. x	Taglio in dir. y
1	7.310	5.570	0.000	5.570
2	7.310	5.570	0.000	5.570

Compressione max. nel calcestruzzo: - [%]  
 Max. sforzo di compressione nel calcestruzzo: - [N/mm<sup>2</sup>]  
 risultante delle forze di trazione nel (x/y)=(0/0): 14.620 [kN]  
 risultante delle forze di compressione (x/y)=(0/0): 0.000 [kN]



## 3 Carico di trazione (EOTA TR 029, Sezione 5.2.2)

	Carico [kN]	Resistenza [kN]	Utilizzo $\beta_N$ [%]	Stato
Rottura dell'acciaio*	7.310	16.000	45	OK
Rottura combinata conica del calcestruzzo e per sfilamento**	14.620	35.633	42	OK
Rottura conica del calcestruzzo**	14.620	38.560	38	OK
Fessurazione**	N/A	N/A	N/A	N/A

\*ancorante più sollecitato \*\*gruppo di ancoranti (ancoranti sollecitati)

### 3.1 Rottura dell'acciaio

$N_{Rk,s}$ [kN]	$\gamma_{Ms}$	$N_{Rd,s}$ [kN]	$N_{Ed}$ [kN]
24.000	1.500	16.000	7.310

### 3.2 Rottura combinata conica del calcestruzzo e per sfilamento

$A_{p,N}$ [mm <sup>2</sup> ]	$A_{p,N}^0$ [mm <sup>2</sup> ]	$f_{Rk,ucr,25}$ [N/mm <sup>2</sup> ]	$s_{cr,Np}$ [mm]	$c_{cr,Np}$ [mm]	$c_{min}$ [mm]	$h_{ef,Helix}$ [mm]
43500	22500	24.00	150	75	$\infty$	50
$\psi_c$	$f_{Rk,cr}$ [N/mm <sup>2</sup> ]	k	$\psi_{g,Np}$	$\psi_{s,Np}$		
1.000	22.00	2.300	1.000	1.000		
$e_{c1,N}$ [mm]	$\psi_{ec1,Np}$	$e_{c2,N}$ [mm]	$\psi_{ec2,Np}$	$\psi_{s,Np}$	$\psi_{re,Np}$	
0	1.000	0	1.000	1.000	1.000	
$N_{Rk,p}^0$ [kN]	$N_{Rk,p}$ [kN]	$\gamma_{Mp}$	$N_{Rd,p}$ [kN]	$N_{Ed}$ [kN]		
27.646	53.449	1.500	35.633	14.620		

### 3.3 Rottura conica del calcestruzzo

$A_{c,N}$ [mm <sup>2</sup> ]	$A_{c,N}^0$ [mm <sup>2</sup> ]	$c_{cr,N}$ [mm]	$s_{cr,N}$ [mm]			
132000	90000	150	300			
$e_{c1,N}$ [mm]	$\psi_{ec1,N}$	$e_{c2,N}$ [mm]	$\psi_{ec2,N}$	$\psi_{s,N}$	$\psi_{re,N}$	$k_1$
0	1.000	0	1.000	1.000	1.000	7.200
$N_{Rk,c}^0$ [kN]	$\gamma_{Mc}$	$N_{Rd,c}$ [kN]	$N_{Ed}$ [kN]			
39.436	1.500	38.560	14.620			

## 4 Carico di taglio (EOTA TR 029, Sezione 5.2.3)

	Carico [kN]	Resistenza [kN]	Utilizzo $\beta_V$ [%]	Stato
Rottura dell'acciaio (senza braccio di leva)*	5.570	9.600	59	OK
Rottura dell'acciaio (con braccio di leva)*	N/A	N/A	N/A	N/A
Rottura per pryout**	11.140	71.265	16	OK
Rottura del bordo del calcestruzzo in direzione **	N/A	N/A	N/A	N/A

\*ancorante più sollecitato \*\*gruppo di ancoranti (ancoranti specifici)

### 4.1 Rottura dell'acciaio (senza braccio di leva)

$V_{Rk,s}$ [kN]	$\gamma_{Ms}$	$V_{Rd,s}$ [kN]	$V_{Ed}$ [kN]
12.000	1.250	9.600	5.570

### 4.2 Rottura per pryout (adesione)

$A_{p,N}$ [mm <sup>2</sup> ]	$A_{p,N}^0$ [mm <sup>2</sup> ]	$f_{Rk,ucr,25}$ [N/mm <sup>2</sup> ]	$c_{cr,Np}$ [mm]	$s_{cr,Np}$ [mm]	$c_{min}$ [mm]	$h_{ef,Helix}$ [mm]
43500	22500	24.00	75	150	$\infty$	50
$\psi_c$	$f_{Rk,cr}$ [N/mm <sup>2</sup> ]	k	k-factor	$\psi_{g,Np}$	$\psi_{s,Np}$	
1.000	22.00	2.300	2.000	1.000	1.000	
$\psi_{s,Np}$	$e_{c1,V}$ [mm]	$\psi_{ec1,Np}$	$e_{c2,V}$ [mm]	$\psi_{ec2,Np}$	$\psi_{re,Np}$	
1.000	0	1.000	0	1.000	1.000	
$N_{Rk,p}^0$ [kN]	$N_{Rk,p}$ [kN]	$\gamma_{Mc,p}$	$V_{Rd,c1}$ [kN]	$V_{Ed}$ [kN]		
27.646	53.449	1.500	71.265	11.140		



### 5 Carichi combinati di trazione e di taglio (EOTA TR 029, Sezione 5.2.4)

$\beta_N$	$\beta_V$	$\alpha$	Utilizzo $\beta_{N,V}$ [%]	Stato
0.457	0.580	2.000	55	OK

$$\beta_N + \beta_V \leq 1$$

### 6 Spostamenti (ancorante più sollecitato)

Carichi a breve termine:

$$N_{sk} = 5.415 \text{ [kN]} \quad \delta_N = 0.129 \text{ [mm]}$$

$$V_{sk} = 4.126 \text{ [kN]} \quad \delta_V = 0.248 \text{ [mm]}$$

$$\delta_{NV} = 0.279 \text{ [mm]}$$

Carichi a lungo termine:

$$N_{sk} = 5.415 \text{ [kN]} \quad \delta_N = 0.452 \text{ [mm]}$$

$$V_{sk} = 4.126 \text{ [kN]} \quad \delta_V = 0.371 \text{ [mm]}$$

$$\delta_{NV} = 0.585 \text{ [mm]}$$

Commenti: Gli spostamenti a trazione risultano validi con metà del valore della coppia di serraggio richiesta per non fessurato calcestruzzo. Gli spostamenti a taglio sono validi trascurando l'attrito tra il calcestruzzo e la piastra d'ancoraggio. Lo spazio derivante dal foro eseguito con perforatore e dalle tolleranze dei fori non viene considerato in questo calcolo.

Gli spostamenti ammissibili dell'ancorante dipendono dalla struttura fissata e devono essere definiti dal progettista.

### 8 Dati relativi all'installazione

Piastra d'ancoraggio, acciaio: -

Profilo: Doppia Barra d'acciaio: 120 x 100 x 8 mm

Diametro del foro nella piastra:  $d_f = 9$  mm

Spessore della piastra (input): 20 mm

Spessore della piastra raccomandato: non calcolato

Pulizia: Non è necessaria la pulizia del foro

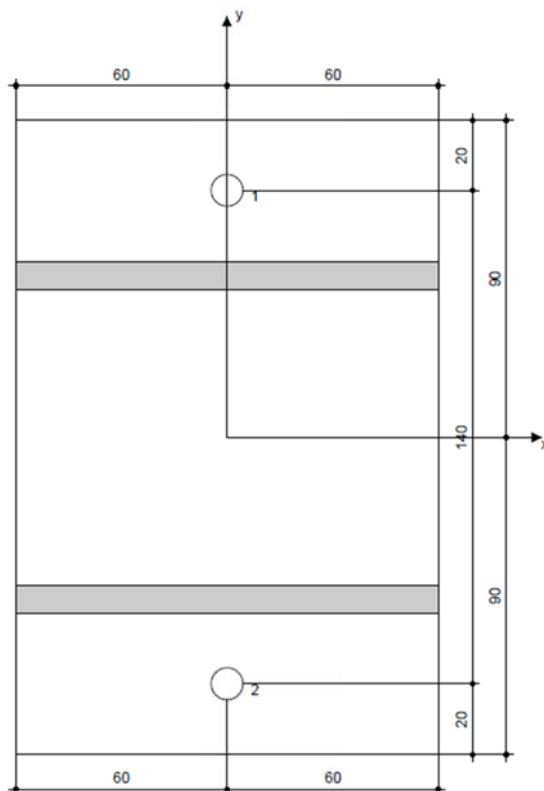
Tipo e dimensione dell'ancorante: HIT-HY 200-A + HIT-Z M8

Coppia di serraggio: 0.010 kNm

Diametro del foro nel materiale base: 10 mm

Profondità del foro nel materiale base: 130 mm

Spessore minimo del materiale base: 160 mm

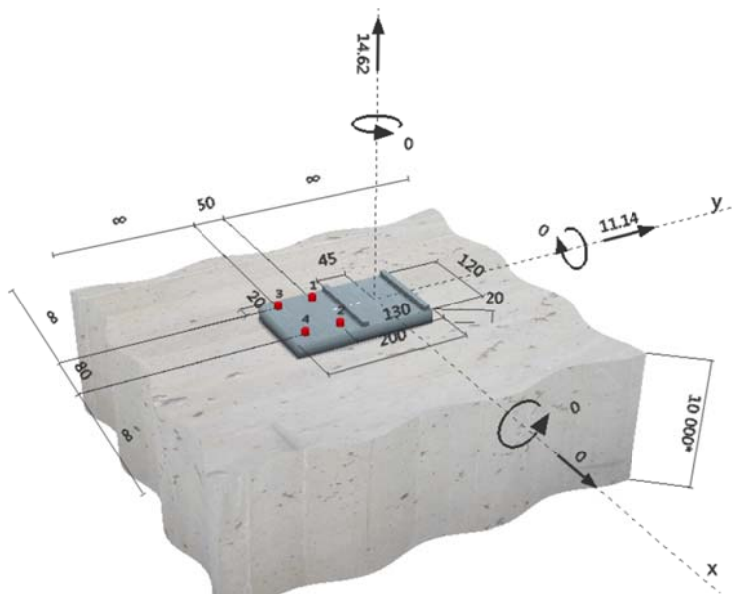


Coordinate dell'ancorante [mm]

Ancorante	x	y	$c_x$	$c_x$	$c_y$	$c_y$
1	0	70	-	-	-	-
2	0	-70	-	-	-	-

## 1 Dati da inserire

<b>Tipo e dimensione dell'ancorante:</b>	<b>HIT-HY 200-A + HIT-Z M10</b>	
Profondità di posa effettiva:	$h_{ef,ad} = 100 \text{ mm}$ ( $h_{ef,mit} = - \text{mm}$ )	
Materiale:	DIN EN ISO 4042	
Certificazione No.:	ETA 12/0006	
Emesso l Valido:	15/03/2013   10/02/2017	
Prova:	metodo di calcolo ETAG BOND (EOTA TR 029)	
Fissaggio distanziato:	$e_b = 0 \text{ mm}$ (Senza distanziamento); $t = 20 \text{ mm}$	
Fiastra d'ancoraggio:	$l_x \times l_y \times t = 120 \text{ mm} \times 200 \text{ mm} \times 20 \text{ mm}$ ; (Spessore della piastra raccomandato: non calcolato)	
Profilo:	Doppia Barra d'acciaio; ( $L \times W \times T$ ) = $120 \text{ mm} \times 100 \text{ mm} \times 8 \text{ mm}$	
Materiale base:	fessurato calcestruzzo, C25/30, $f_{cc} = 30.00 \text{ N/mm}^2$ ; $h = 10000 \text{ mm}$ , Temp. Breve/Lungo: $0/0 \text{ } ^\circ\text{C}$	
Installazione:	Foro eseguito con perforatore, Condizioni di installazione: asciutto	
Armatura:	nessuna armatura o interasse tra le armature $\geq 150 \text{ mm}$ (qualunque $\varnothing$ ) o $\geq 100 \text{ mm}$ ( $\varnothing \leq 10 \text{ mm}$ ) senza armatura di bordo longitudinale	



## 2 Condizione di carico/Carichi risultanti sull'ancorante

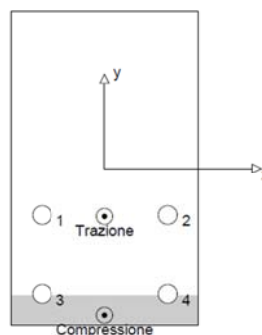
Condizione di carico: Carichi di progetto

### Carichi sull'ancorante [kN]

Trazione: (+ Trazione, - Compressione)

Ancorante	Trazione	Taglio	Taglio in dir. x	Taglio in dir. y
1	15.867	2.785	0.000	2.785
2	15.867	2.785	0.000	2.785
3	0.277	2.785	0.000	2.785
4	0.277	2.785	0.000	2.785

Compressione max. nel calcestruzzo: 0.51 [‰]  
 Max. sforzo di compressione nel calcestruzzo: 15.41 [N/mm<sup>2</sup>]  
 risultante delle forze di trazione nel (x/y)=(0/-31): 32.288 [kN]  
 risultante delle forze di compressione (x/y)=(0/-94): 17.668 [kN]



**3.1 Rottura dell'acciaio**

$N_{Rk,s}$ [kN]	$\gamma_{M,s}$	$N_{Rd,s}$ [kN]	$N_{Sd}$ [kN]
38.000	1.500	25.333	15.867

**3.2 Rottura combinata conica del calcestruzzo e per sfilamento**

$A_{c,N}$ [mm <sup>2</sup> ]	$A_{c,N}^0$ [mm <sup>2</sup> ]	$f_{Rk,ucr,25}$ [N/mm <sup>2</sup> ]	$s_{cr,Np}$ [mm]	$c_{cr,Np}$ [mm]	$c_{min}$ [mm]	$h_{ef,Helix}$ [mm]
59800	32400	24.00	180	90	$\infty$	60
$\psi_c$	$f_{Rk,cr}$ [N/mm <sup>2</sup> ]	$k$	$\psi_{c,Np}^0$	$\psi_{c,Np}$		
1.000	22.00	2.300	1.000	1.000		
$e_{c1,N}$ [mm]	$\psi_{ec1,Np}$	$e_{c2,N}$ [mm]	$\psi_{ec2,Np}$	$\psi_{s,Np}$	$\psi_{r,Np}$	
0	1.000	24	0.789	1.000	1.000	
$N_{Rk,p}^0$ [kN]	$N_{Rk,p}$ [kN]	$\gamma_{M,p}$	$N_{Rd,p}$ [kN]	$N_{Sd}$ [kN]		
41.469	60.351	1.500	40.234	32.288		

**3.3 Rottura conica del calcestruzzo**

$A_{c,N}$ [mm <sup>2</sup> ]	$A_{c,N}^0$ [mm <sup>2</sup> ]	$c_{cr,N}$ [mm]	$s_{cr,N}$ [mm]			
133000	90000	150	300			
$e_{c1,N}$ [mm]	$\psi_{ec1,N}$	$e_{c2,N}$ [mm]	$\psi_{ec2,N}$	$\psi_{s,N}$	$\psi_{r,N}$	$k_1$
0	1.000	24	0.861	1.000	1.000	7.200
$N_{Rk,c}^0$ [kN]	$\gamma_{M,c}$	$N_{Rd,c}$ [kN]	$N_{Sd}$ [kN]			
39.436	1.500	33.466	32.288			

**4 Carico di taglio (EOTA TR 029, Sezione 5.2.3)**

	Carico [kN]	Resistenza [kN]	Utilizzo $\beta_v$ [%]	Stato
Rottura dell'acciaio (senza braccio di leva)*	2.785	15.200	19	OK
Rottura dell'acciaio (con braccio di leva)*	N/A	N/A	N/A	N/A
Rottura per pryout**	11.140	77.704	15	OK
Rottura del bordo del calcestruzzo in direzione **	N/A	N/A	N/A	N/A

\*ancorante più sollecitato \*\*gruppo di ancoranti (ancoranti specifici)

**4.1 Rottura dell'acciaio (senza braccio di leva)**

$V_{Rk,s}$ [kN]	$\gamma_{M,s}$	$V_{Rd,s}$ [kN]	$V_{Sd}$ [kN]
19.000	1.250	15.200	2.785

**4.2 Rottura per pryout (cono del calcestruzzo)**

$A_{c,N}$ [mm <sup>2</sup> ]	$A_{c,N}^0$ [mm <sup>2</sup> ]	$c_{cr,N}$ [mm]	$s_{cr,N}$ [mm]	k-factor	$k_1$
133000	90000	150	300	2.000	7.200
$e_{c1,V}$ [mm]	$\psi_{ec1,N}$	$e_{c2,V}$ [mm]	$\psi_{ec2,N}$	$\psi_{s,N}$	$\psi_{r,N}$
0	1.000	0	1.000	1.000	1.000
$N_{Rk,c}^0$ [kN]	$\gamma_{M,c,p}$	$V_{Rd,c1}$ [kN]	$V_{Sd}$ [kN]		
39.436	1.500	77.704	11.140		

**5 Carichi combinati di trazione e di taglio (EOTA TR 029, Sezione 5.2.4)**

$\beta_N$	$\beta_V$	$\alpha$	Utilizzo $\beta_{N,V}$ [%]	Stato
0.965	0.183	1.000	96	OK

 $(\beta_N + \beta_V) / 1.2 \leq 1$ **6 Spostamenti (ancorante più sollecitato)**

Carichi a breve termine:

$N_{Sk}$ = 11.753 [kN]	$\delta_N$ = 0.262 [mm]
$V_{Sk}$ = 2.063 [kN]	$\delta_V$ = 0.124 [mm]
	$\delta_{NV}$ = 0.290 [mm]

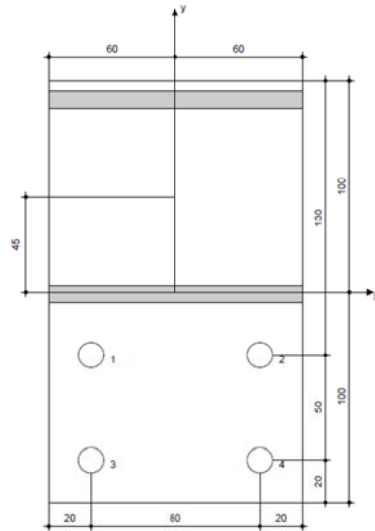
Carichi a lungo termine:

$N_{Sk}$ = 11.753 [kN]	$\delta_N$ = 0.786 [mm]
$V_{Sk}$ = 2.063 [kN]	$\delta_V$ = 0.165 [mm]
	$\delta_{NV}$ = 0.803 [mm]

**8 Dati relativi all'installazione**

Piastra d'ancoraggio, acciaio: -  
 Profilo: Doppia Barra d'acciaio: 120 x 100 x 8 mm  
 Diametro del foro nella piastra:  $d_f = 12$  mm  
 Spessore della piastra (input): 20 mm  
 Spessore della piastra raccomandato: non calcolato  
 Pulizia: Non è necessaria la pulizia del foro

Tipo e dimensione dell'ancorante: HIT-HY 200-A + HIT-Z M10  
 Coppia di serraggio: 0.025 kNm  
 Diametro del foro nel materiale base: 12 mm  
 Profondità del foro nel materiale base: 130 mm  
 Spessore minimo del materiale base: 160 mm



Coordinate dell'ancorante [mm]

Ancorante	x	y	C <sub>x</sub>	C <sub>x</sub>	C <sub>y</sub>	C <sub>y</sub>
1	-40	-30	-	-	-	-
2	40	-30	-	-	-	-
3	-40	-80	-	-	-	-
4	40	-80	-	-	-	-

## 2.9 Verifica fossa in c.a.