

comune

REGIONE PIEMONTE

CITTÀ METROPOLITANA di TORINO

Comune di NOLE

fase progettuale

PROGETTO DEFINITIVO-ESECUTIVO

ai sensi dell'art. 23 del D.Lgs 18 aprile 2016, n.50

intervento

ULTERIORI LAVORI DI ADEGUAMENTO E DI ADATTAMENTO FUNZIONALE DEGLI SPAZI E DELLE AULE DIDATTICHE DELLA SCUOLA PRIMARIA "SANDRO PERTINI" DI VIA GENOVA N. 7 IN CONSEGUENZA DELL'EMERGENZA SANITARIA DA COVID-19

oggetto

RELAZIONE DI CALCOLO DELLE STRUTTURE

proprietà

COMUNE di NOLE

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progettazione

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note

data

16/12/2020

scala

elaborato n°

**DEF-ESEC_STR-02
REL.DESC.CALC.STR**

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1. INTRODUZIONE

1.1. Descrizione dell'opera

Oggetto della presente relazione è l'analisi delle sollecitazioni ed il calcolo della struttura a telaio in acciaio della pensilina da realizzarsi all'interno del cortile della scuola elementare Sandro Pertini sita in via Genova 7 a Nole di proprietà del Comune di Nole.

Per la struttura di fondazione verrà realizzata una trave di fondazione della dimensione di 30x40 cm.

Per quanto riguarda la struttura del basso fabbricato e della tettoia, essa verrà realizzata tramite una struttura a telaio composta da profilati quadrati cavi 100x100x5, 90x90x5 e 40x40x3. L'indicazione puntuali dei profili è presente sulla tavola di progetto.

1.2. Normative di riferimento

L'analisi della struttura in oggetto è stata fatta utilizzando i metodi usuali della Scienza delle Costruzioni ed in conformità alle normative e leggi vigenti:

- Legge 5/11/1971 n. 1086: Norme per la disciplina delle opere di conglomerato cementizio armato, normale e precompresso ed a struttura metallica.
- D.P.R. 6/6/2001 n. 380: Testo unico delle disposizioni legislative e regolamentari in materia edilizia.
- D.M. 14/1/2018: Norme tecniche per le costruzioni.

1.3. Criteri di analisi della sicurezza

Con riferimento alle normative precedentemente citate, le strutture in oggetto sono verificate per quanto riguarda:

- verifica di resistenza;

1.4. Schematizzazione della struttura e dei vincoli

La struttura è stata schematizzata escludendo il contributo degli elementi aventi rigidezza e resistenza trascurabili a fronte dei principali. È quindi stata considerata l'orditura a telaio tridimensionale.

Le travi di fondazione sono schematizzate come poggianti su vincoli elastici distribuiti.

1.5. Modellazione della struttura e dei vincoli

La struttura è modellata con il metodo degli elementi finiti, applicato a sistemi tridimensionali. Gli elementi utilizzati sono monodimensionali (trave con eventuali sconnessioni interne). I vincoli sono considerati puntuali ed inseriti tramite le sei costanti di rigidezza elastica. Le sezioni oggetto di verifica nelle travi sono stampate a passo costante.

1.6. Schematizzazione delle azioni

In accordo con le sopracitate normative, sono state considerate nei calcoli le seguenti azioni:

- pesi propri strutturali
- carichi permanenti portati dalla struttura
- carichi variabili sui solai, neve.
- forze di piano simulanti il sisma, ricavate tramite analisi dinamica modale

Le condizioni ed i casi di carico prese in conto nei calcoli sono specificate nella stampa dei dati di input.

1.7. Modellazione delle azioni

Sono stati adottati i seguenti valori di carico:

- carico permanente copertura : 30 daN/m²;
- neve (Nole): 140 daN/m²;

Le azioni sono state modellate tramite opportuni carichi concentrati e distribuiti su nodi ed aste.

1.8. Modellazione dei materiali

I materiali ed i prodotti ad uso strutturale, utilizzati nelle opere oggetto della presente relazione, rispondono ai requisiti indicati dal capitolo 11 del Decreto Ministeriale del 17 gennaio 2018 “Norme Tecniche per le Costruzioni”. Questi sono stati identificati univocamente dal produttore, qualificati sotto la sua responsabilità e verranno accettati dal direttore dei lavori mediante acquisizione e verifica della documentazione di qualificazione, nonché mediante eventuali prove sperimentali di accettazione.

Sulla base delle verifiche effettuate in sito ed in conformità alle disposizioni normative vigenti si prevede per la realizzazione del progetto in analisi l'adozione dei materiali di seguito descritti.

1.8.1. Acciaio per carpenteria metallica S235

Profili a sezione aperta		Proprietà specifiche [daN/cm ²]	
Tipo:	S 235 (Fe 360)	Descr.	S 235 (Fe 360)
(UNI 10025-2)	Prodotti laminati a caldo di acciai per impieghi strutturali - Parte 2: Condizioni tecniche di fornitura di acciai non legati per impieghi strutturali	spessore ≤ 40mm	40mm < spessore ≤ 80mm
f_{yk}	2350	f_{yk}	2150
f_{tk}	3600	f_{tk}	3600
f_{yd}	2238.1	f_{yd}	2047.6

Profili a sezione cava		Proprietà specifiche [daN/cm ²]	
Tipo:	S 235 H (Fe 360)	Descr.	S 235 H (Fe 360)
(UNI 10210-1)	Profilati cavi finiti a caldo di acciai non legati e a grano fine per impieghi strutturali. Condizioni tecniche di fornitura	spessore ≤ 40mm	40mm < spessore ≤ 80mm
f_{yk}	2350	f_{yk}	2150
f_{tk}	3600	f_{tk}	3400
f_{yd}	2238.1	f_{yd}	2047.6

1.8.2. Calcestruzzo C25/30

Classe: C25/30		Proprietà [daN/cm ²]	
Copia classe		Descr.	C25/30
R_{ck}	300	f_{ck}	249 f_{mis}
ϵ_{c2}	.2 %	γ_c	1.5 $\gamma_c \times FC$
ϵ_{cu}	.35 %	α_{cc}	.85
f_{cd}	141.1		
E_{cm}	314472		

Diagramma costitutivo [4.1.2.1.2.2]

Materiali esistenti:
 f_{mis} = media in situ FC = fattore di confidenza

1.8.3. Acciaio per c.a.

Tipo:

Copia tipo

ARCHIVIO

Proprietà [daN/cm²]

Descr.

f_{yk} $f_{m is}$

f_{tk}

ε_{uk} %

k ($1.15 \leq k < 1.35$)

γ_s $\gamma_s \times FC$

f_{yd}

E_s

ε_{ud} %

ε_{yd} %

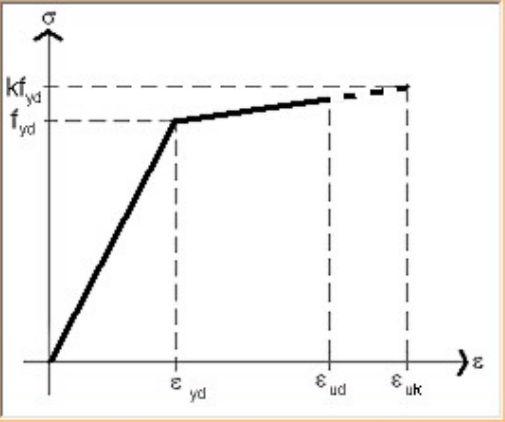


Diagramma costitutivo tipo 1 [4.1.2.1.2.3]

Materiali esistenti:

$f_{m is}$ = media in situ FC = fattore di confidenza

1.9. Tipo di analisi

Le analisi strutturali condotte sono statiche in regime lineare. Il metodo di calcolo è ad elementi finiti. Il calcolo sismico è stato effettuato tramite analisi dinamica modale. La verifica delle membrature in cemento armato viene eseguita considerando tutte le caratteristiche di sollecitazione.

2. INDIVIDUAZIONE DEL CODICE DI CALCOLO

Per il calcolo delle sollecitazioni e per la verifica di travi e pilastri si è fatto ricorso all'elaboratore elettronico utilizzando il seguente programma di calcolo:

DOLMEN WIN (R), versione 11.0 del 2011 prodotto, distribuito ed assistito dalla CDM DOLMEN srl, con sede in Torino, Via Drovetti 9/F.

Questa procedura è sviluppata in ambiente Windows, ed è stata scritta utilizzando i linguaggi Fortran e C. DOLMEN WIN permette l'analisi elastica lineare di strutture tridimensionali con nodi a sei gradi di libertà utilizzando un solutore ad elementi finiti. Gli elementi considerati sono la trave, con eventuali svincoli interni o rotazione attorno al proprio asse, ed il guscio, sia rettangolare che triangolare, avente comportamento di membrana e di piastra. I carichi possono essere applicati sia ai nodi, come forze o coppie concentrate, sia sulle travi, come forze distribuite, trapezie, concentrate, come coppie e come distorsioni termiche. I vincoli sono forniti tramite le sei costanti di rigidezza elastica.

A supporto del programma è fornito un ampio manuale d'uso contenente fra l'altro una vasta serie di test di validazione sia su esempi classici di Scienza delle Costruzioni, sia su strutture particolarmente impegnative e reperibili nella bibliografia specializzata.

2.1. Grado di affidabilità del codice

L'affidabilità del codice di calcolo è garantita dall'esistenza di un'ampia documentazione di supporto, come indicato nel paragrafo precedente. La presenza di un modulo CAD per l'introduzione di dati permette la visualizzazione dettagliata degli elementi introdotti. È possibile inoltre ottenere rappresentazioni grafiche di deformate e sollecitazioni della struttura. Al termine dell'elaborazione viene inoltre valutata la qualità della soluzione, in base all'uguaglianza del lavoro esterno e dell'energia di deformazione.

2.2. Motivazione della scelta del codice

DOLMEN WIN permette in campo elastico lineare un'analisi dettagliata del comportamento dell'intera struttura, tenendo conto del comportamento irrigidente di setti anche complessi e solai considerati con la loro effettiva rigidità. E' possibile inoltre scegliere il grado di affinamento dell'analisi di elementi complessi utilizzando mesh via via più dettagliate.

3. ESAME DEI RISULTATI E CONTROLLI

3.1. Valutazione della correttezza del modello

Il modello di calcolo adottato è da ritenersi appropriato in quanto non sono state riscontrate labilità, le reazioni vincolari equilibrano i carichi applicati, la simmetria di carichi e struttura dà origine a sollecitazioni simmetriche.

4. GIUDIZIO MOTIVATO DI ACCETTABILITA' DEI RISULTATI

L'analisi critica dei risultati e dei parametri di controllo nonché il confronto con calcolazioni di massima eseguite manualmente porta ad confermare la validità dei risultati.

5. DATI STRUTTURA

*** DATI STRUTTURA

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

NODI--	-----	-----	-----	-----	num.=
Nome	Coord. X	Coord. Y	Coord. Z		
1	417.000	120.000	0.000		
2	417.000	120.000	310.000		
3	417.000	343.000	0.000		
4	417.000	343.000	310.000		
5	417.000	573.000	0.000		
6	417.000	573.000	310.000		
7	0.000	0.000	205.000		
8	0.000	0.000	515.000		
9	0.000	343.000	205.000		
10	0.000	343.000	515.000		
11	0.000	15.000	515.000		
12	417.000	15.000	310.000		
13	0.000	135.000	515.000		
14	417.000	135.000	310.000		
15	0.000	327.000	515.000		
16	417.000	327.000	310.000		
17	417.000	357.000	310.000		
19	417.000	557.000	310.000		
26	417.000	0.000	310.000		
27	44.900	0.000	497.900		
28	44.900	343.000	497.900		
29	89.700	0.000	475.900		
30	89.700	343.000	475.900		
31	134.600	0.000	453.800		
32	134.600	343.000	453.800		
33	179.500	0.000	431.800		
34	179.500	343.000	431.800		
35	224.400	0.000	409.700		
36	224.400	343.000	409.700		
37	268.900	0.000	387.800		
38	314.100	0.000	365.600		
39	314.100	573.000	365.600		
40	359.000	0.000	343.500		
41	359.000	573.000	343.500		
42	403.800	0.000	321.500		
43	403.800	573.000	321.500		
44	446.600	0.000	300.400		
45	446.600	573.000	300.400		
46	268.900	357.000	372.800		
47	268.900	557.000	372.800		
72	268.900	573.000	387.800		
82	446.600	15.000	300.400		
83	446.600	557.000	300.400		
84	44.900	327.000	497.900		
85	89.700	327.000	475.900		
86	134.600	327.000	453.800		
87	179.500	327.000	431.800		
88	224.400	327.000	409.700		
89	359.000	557.000	343.500		
90	314.100	557.000	365.600		
91	403.800	557.000	321.500		
92	403.800	15.000	321.500		
93	359.000	15.000	343.500		
94	314.100	15.000	365.600		
95	268.900	15.000	387.800		
96	224.400	15.000	409.700		
97	179.500	15.000	431.800		
98	134.600	15.000	453.800		
99	89.700	15.000	475.900		
100	44.900	15.000	497.900		
101	268.900	557.000	387.800		
102	359.000	357.000	343.500		
103	359.000	327.000	343.500		
104	44.900	135.000	497.900		
105	89.700	135.000	475.900		
106	134.600	135.000	453.800		
107	179.500	135.000	431.800		
108	224.400	135.000	409.700		
109	268.900	135.000	387.800		
110	268.900	327.000	387.800		

111	314.100	135.000	365.600
112	314.100	327.000	365.600
113	359.000	135.000	343.500
114	403.800	135.000	321.500
115	403.800	327.000	321.500
116	446.600	135.000	300.400
117	446.600	327.000	300.400
118	268.900	357.000	387.800
119	314.100	357.000	365.600
120	403.800	357.000	321.500
121	446.600	357.000	300.400
122	417.000	557.000	315.000
123	417.000	357.000	315.000
124	417.000	327.000	315.000
125	417.000	135.000	315.000
126	417.000	15.000	315.000
127	0.000	15.000	520.000
128	0.000	135.000	520.000
129	0.000	327.000	520.000
130	0.000	0.000	520.000
131	0.000	343.000	520.000
133	0.000	120.000	515.000

ASTE--	Proprieta'	Nodo iniz.	Nodo fin.	Rilasci in.	Rilasci fin.	num.=	orient.
1	1	1	2			131	0.0
2	1	3	4				0.0
3	1	5	6				0.0
4	1	7	8				0.0
5	1	9	10				0.0
6	2	127	100	RxRyRz			0.0
7	2	128	104	RxRyRz			0.0
8	2	129	84	RxRyRz			0.0
9	2	118	119	RxRyRz			0.0
10	2	101	90	RxRyRz			0.0
11	2	122	83				0.0
12	2	123	121				0.0
13	2	124	117				0.0
14	2	125	116				0.0
15	2	126	82				0.0
20	3	27	100				26.0
21	3	29	99				26.0
22	3	31	98				26.0
23	3	33	97				26.0
24	3	35	96				26.0
25	3	37	95				26.0
26	3	38	94				26.0
27	3	40	93				26.0
28	3	42	92				26.0
30	3	118	101	RxRyRz			26.0
31	1	46	118				0.0
32	1	47	101				0.0
33	1	26	12				26.0
34	1	12	2				26.0
35	1	2	14				26.0
36	1	14	16				26.0
37	1	16	4				26.0
38	1	4	17				26.0
39	1	17	19				26.0
40	1	19	6				26.0
41	1	8	11				26.0
42	1	11	133				26.0
43	1	13	15				26.0
44	1	15	10				26.0
45	3	44	82				26.0
46	3	82	116		RxRyRz		26.0
47	3	116	117	RyRz	RxRyRz		26.0
48	3	117	121	RyRz	RxRyRz		26.0
49	3	121	83	RxRyRz			26.0
50	3	83	45				26.0
51	2	84	85				0.0
52	3	84	28				26.0
53	3	85	30				26.0
54	2	85	86				0.0
55	3	86	32				26.0
56	2	86	87				0.0
57	3	87	34				26.0
58	2	87	88				0.0
59	3	88	36				26.0
60	2	88	110				0.0
61	3	110	118	RyRz	RxRyRz		26.0
62	2	110	112				0.0
63	3	112	119	RyRz	RxRyRz		26.0
64	2	112	103				0.0
65	3	103	102	RyRz	RxRyRz		26.0
66	2	103	115				0.0
67	3	115	120	RyRz	RxRyRz		26.0
68	2	115	124				0.0
69	3	120	91	RxRyRz			26.0
70	2	120	123				0.0
71	3	102	89	RxRyRz			26.0
72	2	102	120				0.0
73	3	119	90	RxRyRz			26.0

74	2	119	102			0.0
75	3	89	41			26.0
76	2	89	91			0.0
77	3	90	39			26.0
78	2	90	89			0.0
79	3	91	43			26.0
80	2	91	122			0.0
81	3	92	114	RxRyRz		26.0
82	2	92	126			0.0
83	3	93	113	RxRyRz		26.0
84	2	93	92			0.0
85	3	94	111	RxRyRz		26.0
86	2	94	93			0.0
87	3	95	109	RxRyRz		26.0
88	2	95	94			0.0
89	3	96	108	RxRyRz		26.0
90	2	96	95			0.0
91	3	97	107	RxRyRz		26.0
92	2	97	96			0.0
93	3	98	106	RxRyRz		26.0
94	2	98	97			0.0
95	3	99	105	RxRyRz		26.0
96	2	99	98			0.0
97	3	100	104	RxRyRz		26.0
98	2	100	99			0.0
99	3	101	72			26.0
100	3	104	84	RxRyRz		26.0
101	2	104	105			0.0
102	3	105	85	RxRyRz		26.0
103	2	105	106			0.0
104	3	106	86	RxRyRz		26.0
105	2	106	107			0.0
106	3	107	87	RxRyRz		26.0
107	2	107	108			0.0
108	3	108	88	RxRyRz		26.0
109	2	108	109			0.0
110	3	109	110	RyRz	RxRyRz	26.0
111	2	109	111			0.0
112	3	111	112	RyRz	RxRyRz	26.0
113	2	111	113			0.0
114	3	113	103	RyRz	RxRyRz	26.0
115	2	113	114			0.0
116	3	114	115	RyRz	RxRyRz	26.0
117	2	114	125			0.0
118	3	130	127			26.0
119	3	127	128			26.0
120	3	128	129	RxRyRz	RxRyRz	26.0
121	3	129	131			26.0
122	2	11	127		RxRyRz	0.0
123	2	13	128		RxRyRz	0.0
124	2	15	129		RxRyRz	0.0
125	2	12	126		RxRyRz	0.0
126	2	14	125		RxRyRz	0.0
127	2	16	124		RxRyRz	0.0
128	2	17	123		RxRyRz	0.0
129	2	19	122		RxRyRz	0.0
155	1	133	13			26.0
163	5	95	113	RyRz	RxRyRz	0.0
164	5	93	109	RyRz	RxRyRz	0.0
166	5	109	103	RyRz	RxRyRz	0.0
167	5	113	110	RyRz	RxRyRz	0.0
172	4	1	3			0.0
173	4	3	5			0.0

PROPRIETA' ASTE----						num.=	5
Nome	Materiale	Base Kw vertic.	Altezza Kw orizz.	Area J tors.	Area tag. Y J fless. Y	Area tag. Z J fless. Z	
1	2	9.00 0.000000	9.00 0.000000	1.70000E+01	9.00000E+00	9.00000E+00	
2	2	10.00 0.000000	10.00 0.000000	1.90000E+01	1.00000E+01	1.00000E+01	
3	2	4.00 0.000000	4.00 0.000000	4.44000E+00	2.40000E+00	2.40000E+00	
4	1	30.00 2.000000	40.00 2.000000	1.20000E+03	1.00000E+03	1.00000E+03	
5	2	4.00 0.000000	4.00 0.000000	2.31000E+00	1.20000E+00	1.20000E+00	
				6.58976E-02	3.58182E+00	3.58182E+00	

MATERIALI-----						num.=	2
Nome	Mod. elast.	Coeff. nu	Mod. tang.	Peso spec.	Dil. te.		
1	3.00000E+05	1.50000E-01	1.30000E+05	2.50000E-03	1.00000E-05		
2	2.10000E+06	3.00000E-01	8.50000E+05	7.85000E-03	1.00000E-05		

VINCOLI-----							num.=	10
Nodo	Rigid. X	Rigid. Y	Rigid. Z	Rigid. RX	Rigid. RY	Rigid. RZ		
46	bloccato	bloccato	bloccato	bloccato	bloccato	bloccato		
47	bloccato	bloccato	bloccato	bloccato	bloccato	bloccato		
7	bloccato	bloccato	bloccato	bloccato	bloccato	bloccato		
9	bloccato	bloccato	bloccato	bloccato	bloccato	bloccato		
8	bloccato	bloccato	bloccato	bloccato	bloccato	bloccato		
133	bloccato	bloccato	bloccato	bloccato	bloccato	bloccato		
10	bloccato	bloccato	bloccato	bloccato	bloccato	bloccato		
1	bloccato	bloccato	libero	libero	libero	libero		

3	bloccato	bloccato	libero	libero	libero	libero
5	bloccato	bloccato	libero	libero	libero	libero

CARICHI NODI-----|-----|-----|-----|num.= 733

Nome		Nodo	Direzione	Intensita`	
1 -	379	:	Forze Dinamiche (Autovettori)		
380 -	557	:	Forze Sismiche (Analisi Semplificata)		
558 -	733	:	Momenti Torcenti Aggiuntivi		

CARICHI DI SOLAIO-----|-----|-----|-----|num.= 2

Nome	Cos X	Cos Y	Cos Z	Cond. Rifer.	Intens.	Quota
1	0.8974	0.0000	-0.4412	2 glob	-0.00300	520.00
2	0.8974	0.0000	-0.4412	3 glob	-0.01400	520.00

CARICHI ASTE-----|-----|-----|-----|num.= 239

Nome	Asta	Dir	Tip	RIF	Parametro 1	Parametro 2	Parametro 3	Parametro 4
734 S001-PERM	46	Z	FT glo		-0.071	-0.071	0.000	0.000
735 S001-PERM	45	Z	FT glo		-0.071	-0.071	0.000	0.000
736 S001-PERM	50	Z	FT glo		-0.071	-0.071	0.000	0.000
737 S001-PERM	52	Z	FT glo		-0.150	-0.150	0.000	0.000
738 S001-PERM	53	Z	FT glo		-0.150	-0.150	0.000	0.000
739 S001-PERM	55	Z	FT glo		-0.150	-0.150	0.000	0.000
740 S001-PERM	57	Z	FT glo		-0.150	-0.150	0.000	0.000
741 S001-PERM	59	Z	FT glo		-0.149	-0.149	0.000	0.000
742 S001-PERM	75	Z	FT glo		-0.150	-0.150	0.000	0.000
743 S001-PERM	77	Z	FT glo		-0.151	-0.151	0.000	0.000
744 S001-PERM	79	Z	FT glo		-0.146	-0.146	0.000	0.000
745 S001-PERM	28	Z	FT glo		-0.146	-0.146	0.000	0.000
746 S001-PERM	27	Z	FT glo		-0.150	-0.150	0.000	0.000
747 S001-PERM	26	Z	FT glo		-0.151	-0.151	0.000	0.000
748 S001-PERM	25	Z	FT glo		-0.150	-0.150	0.000	0.000
749 S001-PERM	24	Z	FT glo		-0.149	-0.149	0.000	0.000
750 S001-PERM	23	Z	FT glo		-0.150	-0.150	0.000	0.000
751 S001-PERM	22	Z	FT glo		-0.150	-0.150	0.000	0.000
752 S001-PERM	21	Z	FT glo		-0.150	-0.150	0.000	0.000
753 S001-PERM	20	Z	FT glo		-0.150	-0.150	0.000	0.000
754 S001-PERM	99	Z	FT glo		-0.076	-0.076	0.000	0.000
755 S001-PERM	71	Z	FT glo		-0.150	-0.150	0.000	0.000
756 S001-PERM	65	Z	FT glo		-0.150	-0.150	0.000	0.000
757 S001-PERM	100	Z	FT glo		-0.150	-0.150	0.000	0.000
758 S001-PERM	102	Z	FT glo		-0.150	-0.150	0.000	0.000
759 S001-PERM	104	Z	FT glo		-0.150	-0.150	0.000	0.000
760 S001-PERM	106	Z	FT glo		-0.150	-0.150	0.000	0.000
761 S001-PERM	108	Z	FT glo		-0.149	-0.149	0.000	0.000
762 S001-PERM	110	Z	FT glo		-0.150	-0.150	0.000	0.000
763 S001-PERM	112	Z	FT glo		-0.151	-0.151	0.000	0.000
764 S001-PERM	114	Z	FT glo		-0.150	-0.150	0.000	0.000
765 S001-PERM	116	Z	FT glo		-0.146	-0.146	0.000	0.000
766 S001-PERM	47	Z	FT glo		-0.071	-0.071	0.000	0.000
767 S001-PERM	61	Z	FT glo		-0.166	-0.134	0.000	0.000
768 S001-PERM	63	Z	FT glo		-0.151	-0.151	0.000	0.000
769 S001-PERM	67	Z	FT glo		-0.146	-0.146	0.000	0.000
770 S001-PERM	48	Z	FT glo		-0.071	-0.071	0.000	0.000
771 S001-PERM	49	Z	FT glo		-0.071	-0.071	0.000	0.000
772 S001-PERM	69	Z	FT glo		-0.146	-0.146	0.000	0.000
773 S001-PERM	73	Z	FT glo		-0.151	-0.151	0.000	0.000
774 S001-PERM	30	Z	FT glo		-0.076	-0.076	0.000	0.000
775 S001-PERM	81	Z	FT glo		-0.146	-0.146	0.000	0.000
776 S001-PERM	83	Z	FT glo		-0.150	-0.150	0.000	0.000
777 S001-PERM	85	Z	FT glo		-0.151	-0.151	0.000	0.000
778 S001-PERM	87	Z	FT glo		-0.150	-0.150	0.000	0.000
779 S001-PERM	89	Z	FT glo		-0.149	-0.149	0.000	0.000
780 S001-PERM	91	Z	FT glo		-0.150	-0.150	0.000	0.000
781 S001-PERM	93	Z	FT glo		-0.150	-0.150	0.000	0.000
782 S001-PERM	95	Z	FT glo		-0.150	-0.150	0.000	0.000
783 S001-PERM	97	Z	FT glo		-0.150	-0.150	0.000	0.000
784 S001-PERM	118	Z	FT glo		-0.075	-0.075	0.000	0.000
785 S001-PERM	119	Z	FT glo		-0.075	-0.075	0.000	0.000
786 S001-PERM	120	Z	FT glo		-0.075	-0.075	0.000	0.000
787 S001-PERM	121	Z	FT glo		-0.075	-0.075	0.000	0.000
788 S001-Neve	46	Z	FT glo		-0.299	-0.299	0.000	0.000
789 S001-Neve	45	Z	FT glo		-0.299	-0.299	0.000	0.000
790 S001-Neve	50	Z	FT glo		-0.299	-0.299	0.000	0.000
791 S001-Neve	52	Z	FT glo		-0.628	-0.628	0.000	0.000
792 S001-Neve	53	Z	FT glo		-0.628	-0.628	0.000	0.000
793 S001-Neve	55	Z	FT glo		-0.628	-0.628	0.000	0.000
794 S001-Neve	57	Z	FT glo		-0.628	-0.628	0.000	0.000
795 S001-Neve	59	Z	FT glo		-0.626	-0.626	0.000	0.000
796 S001-Neve	75	Z	FT glo		-0.628	-0.628	0.000	0.000
797 S001-Neve	77	Z	FT glo		-0.630	-0.630	0.000	0.000
798 S001-Neve	79	Z	FT glo		-0.614	-0.614	0.000	0.000
799 S001-Neve	28	Z	FT glo		-0.614	-0.614	0.000	0.000
800 S001-Neve	27	Z	FT glo		-0.628	-0.628	0.000	0.000
801 S001-Neve	26	Z	FT glo		-0.630	-0.630	0.000	0.000
802 S001-Neve	25	Z	FT glo		-0.628	-0.628	0.000	0.000
803 S001-Neve	24	Z	FT glo		-0.626	-0.626	0.000	0.000
804 S001-Neve	23	Z	FT glo		-0.628	-0.628	0.000	0.000
805 S001-Neve	22	Z	FT glo		-0.628	-0.628	0.000	0.000
806 S001-Neve	21	Z	FT glo		-0.628	-0.628	0.000	0.000
807 S001-Neve	20	Z	FT glo		-0.628	-0.628	0.000	0.000
808 S001-Neve	99	Z	FT glo		-0.316	-0.316	0.000	0.000
809 S001-Neve	71	Z	FT glo		-0.628	-0.628	0.000	0.000
810 S001-Neve	65	Z	FT glo		-0.628	-0.628	0.000	0.000

811	S001-Neve	100	Z	FT	glo	-0.628	-0.628	0.000	0.000
812	S001-Neve	102	Z	FT	glo	-0.628	-0.628	0.000	0.000
813	S001-Neve	104	Z	FT	glo	-0.628	-0.628	0.000	0.000
814	S001-Neve	106	Z	FT	glo	-0.628	-0.628	0.000	0.000
815	S001-Neve	108	Z	FT	glo	-0.626	-0.626	0.000	0.000
816	S001-Neve	110	Z	FT	glo	-0.628	-0.628	0.000	0.000
817	S001-Neve	112	Z	FT	glo	-0.630	-0.630	0.000	0.000
818	S001-Neve	114	Z	FT	glo	-0.628	-0.628	0.000	0.000
819	S001-Neve	116	Z	FT	glo	-0.614	-0.614	0.000	0.000
820	S001-Neve	47	Z	FT	glo	-0.299	-0.299	0.000	0.000
821	S001-Neve	61	Z	FT	glo	-0.696	-0.560	0.000	0.000
822	S001-Neve	63	Z	FT	glo	-0.630	-0.630	0.000	0.000
823	S001-Neve	67	Z	FT	glo	-0.614	-0.614	0.000	0.000
824	S001-Neve	48	Z	FT	glo	-0.299	-0.299	0.000	0.000
825	S001-Neve	49	Z	FT	glo	-0.299	-0.299	0.000	0.000
826	S001-Neve	69	Z	FT	glo	-0.614	-0.614	0.000	0.000
827	S001-Neve	73	Z	FT	glo	-0.630	-0.630	0.000	0.000
828	S001-Neve	30	Z	FT	glo	-0.316	-0.316	0.000	0.000
829	S001-Neve	81	Z	FT	glo	-0.614	-0.614	0.000	0.000
830	S001-Neve	83	Z	FT	glo	-0.628	-0.628	0.000	0.000
831	S001-Neve	85	Z	FT	glo	-0.630	-0.630	0.000	0.000
832	S001-Neve	87	Z	FT	glo	-0.628	-0.628	0.000	0.000
833	S001-Neve	89	Z	FT	glo	-0.626	-0.626	0.000	0.000
834	S001-Neve	91	Z	FT	glo	-0.628	-0.628	0.000	0.000
835	S001-Neve	93	Z	FT	glo	-0.628	-0.628	0.000	0.000
836	S001-Neve	95	Z	FT	glo	-0.628	-0.628	0.000	0.000
837	S001-Neve	97	Z	FT	glo	-0.628	-0.628	0.000	0.000
838	S001-Neve	118	Z	FT	glo	-0.314	-0.314	0.000	0.000
839	S001-Neve	119	Z	FT	glo	-0.314	-0.314	0.000	0.000
840	S001-Neve	120	Z	FT	glo	-0.314	-0.314	0.000	0.000
841	S001-Neve	121	Z	FT	glo	-0.314	-0.314	0.000	0.000

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

Cond.	Nome Carichi	Aste
1	842-972	1-15, 20-28, 30-129, 155, 163-164, 166-167, 172-173

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

Nome	numero	coordinata	Cond.	Direz.	Intensità	Descrizione
	inizio	fine			inizio	fine
CONDIZIONI DI CARICO----- ----- ----- ----- num.= 15						
Nome						
1	Peso_proprio_____	N. carichi: 131	Lista carichi: 842-972			
2	Permanente_____	N. carichi: 54	Lista carichi: 734-787			
3	Neve_(<1000m_slm)___	N. carichi: 54	Lista carichi: 788-841			
4	Autovett_001_(X)	N. carichi: 58	Lista carichi: 1-58			
5	Autovett_002_(X)	N. carichi: 42	Lista carichi: 59-100			
6	Autovett_004_(Y)	N. carichi: 60	Lista carichi: 101-160			
7	Autovett_005_(Y)	N. carichi: 51	Lista carichi: 161-211			
8	Autovett_007_(X)	N. carichi: 42	Lista carichi: 212-253			
9	Autovett_008_(X)	N. carichi: 46	Lista carichi: 254-299			
10	Autovett_010_(Y)	N. carichi: 43	Lista carichi: 300-342			
11	Autovett_011_(X)	N. carichi: 37	Lista carichi: 343-379			
12	Sisma_X	N. carichi: 89	Lista carichi: 380-468			
13	Sisma_Y	N. carichi: 89	Lista carichi: 469-557			
14	Torcente_add._X	N. carichi: 89	Lista carichi: 558-646			
15	Torcente_add._Y	N. carichi: 87	Lista carichi: 647-733			

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

cond.	FX	FY	FZ	MX	MY	MZ
1	0.000000E+00	0.000000E+00	-2.164931E+03	-6.664766E+05	7.719272E+05	0.000000E+00
2	0.000000E+00	0.000000E+00	-6.497607E+02	-1.507593E+05	1.635134E+05	0.000000E+00
3	0.000000E+00	0.000000E+00	-2.721172E+03	-6.313741E+05	6.847879E+05	0.000000E+00
4	8.316000E+01	0.000000E+00	0.000000E+00	0.000000E+00	3.264923E+04	-5.729480E+03

5	2.961000E+01	0.000000E+00	0.000000E+00	0.000000E+00	1.229742E+04	-1.109365E+04
6	0.000000E+00	1.063800E+02	0.000000E+00	-3.746397E+04	0.000000E+00	3.601953E+04
7	0.000000E+00	1.394000E+01	0.000000E+00	-7.899826E+03	0.000000E+00	-1.283959E+03
8	3.405000E+01	0.000000E+00	0.000000E+00	0.000000E+00	1.029434E+04	-1.583014E+04
9	8.240000E+00	0.000000E+00	0.000000E+00	0.000000E+00	2.309568E+03	-2.083230E+03
10	0.000000E+00	2.896000E+01	0.000000E+00	-1.047448E+04	0.000000E+00	9.331191E+03
11	6.660000E+00	0.000000E+00	0.000000E+00	0.000000E+00	3.024371E+03	-1.488110E+03
12	2.242522E+02	0.000000E+00	0.000000E+00	0.000000E+00	9.047851E+04	-5.016633E+04
13	0.000000E+00	2.242522E+02	0.000000E+00	-9.047851E+04	0.000000E+00	5.002601E+04
14	0.000000E+00	0.000000E+00	0.000000E+00	0.000000E+00	-1.043180E+01	-5.124650E+03
15	0.000000E+00	0.000000E+00	0.000000E+00	4.171089E+02	0.000000E+00	8.775823E+02

6. DATI ANALISI SISMICA

Analisi sismica - Statica lineare - (NTC 2018)

DATI PROGETTO

Edificio sito in località NOLE (long. 7.572 lat. 45.244000)

Categoria del suolo di fondazione = C

Coeff. di amplificazione stratigrafica $S_s = 1.500$

Coeff. di amplificazione topografica $S_T = 1.000$

$S = 1.500$

Vita nominale dell'opera $V_N = 50$ anni

Coefficiente d'uso $C_U = 1.0$

Periodo di riferimento $V_R = 50.0$

PVR : probabilità di superamento in $V_R = 10 \%$

Tempo di ritorno = 474

Coeff. di smorzamento viscoso = 5.0

Valori risultanti per :

a_g 0.588 [g/10]

F_0 2.743

T_C^* 0.270

Fattore di comportamento $q = 1.500$

Rapporto spettro di esercizio / spettro di progetto = 0.722

Coeff. λ = 1.0000

$S_d = 0.123$ per $T_1 = 0.069$

Numero condizioni generanti carichi sismici : 2

Cond. 001 : Peso_proprio_____ con coeff. 1.000

Cond. 002 : Permanente_____ con coeff. 1.000

Condizioni di carico sismico generate:

Cond. 012 : Sisma X

Cond. 013 : Sisma Y

Cond. 014 : Torcente add. X

Cond. 015 : Torcente add. Y

Carichi sismici :

Piani	Pesi	C. distr.	Forze piano	Torc. piano X	Torc. piano Y	Bar. X	Bar. Y
cm	daN		daN	daNcm	daNcm	cm	cm
205.0	64	0.0657	4	72	0	0.0	171.5
300.4	491	0.0962	47	1355	101	418.4	296.5
365.6	546	0.1171	64	1831	288	315.8	267.9
431.8	315	0.1383	44	746	195	179.4	167.4
497.9	410	0.1595	65	1121	293	34.5	168.8

ANALISI DINAMICA

PARAMETRI DI CALCOLO:

Modello generale

Assi di vibrazione: X Y

Combinazione quadratica completa (CQC)

DATI PROGETTO

Edificio sito in località NOLE (long. 7.572 lat. 45.244000)

Categoria del suolo di fondazione = C

Coeff. di amplificazione stratigrafica $S_s = 1.500$

Coeff. di amplificazione topografica ST = 1.000

S = 1.500

Vita nominale dell'opera VN = 50 anni

Coefficiente d'uso CU = 1.0

Periodo di riferimento VR = 50.0

PVR : probabilità di superamento in VR = 10 %

Tempo di ritorno = 474

Coeff. di smorzamento viscoso = 5.0

Valori risultanti per :

ag 0.588 [g/10]

Fo 2.743

TC* 0.270

Fattore di comportamento q = 1.500

Rapporto spettro di esercizio / spettro di progetto = 0.722

CONDIZIONI DI RIFERIMENTO	COEFFICIENTE	PESO RISULTANTE [daN]
1.	1.000	2630.5
2.	1.000	649.8

*** TABELLA AUTOVETTORI ***

n	PERIODO [sec]	MASSA ATTIVATA			COEFFICIENTI DI CORRELAZIONE							
		%X	%Y	%Z	n+1	n+2	n+3	n+4	n+5	n+6	n+7	
1	0.068539	40.582	0.148	0.000	0.351	0.170	0.052	0.025	0.016	0.008	0.005	0.003
0.003	0.002	0.002	0.002	0.002	0.001							
2	0.059844	15.133	0.117	0.000	0.587	0.109	0.042	0.025	0.011	0.007	0.004	0.003
0.003	0.002	0.002	0.002	0.001								
3	0.055039	1.361	0.035	0.000	0.199	0.061	0.035	0.013	0.009	0.004	0.004	0.004
0.003	0.003	0.002	0.001									
4	0.045082	0.373	57.566	0.000	0.224	0.090	0.025	0.015	0.006	0.006	0.006	0.004
0.004	0.003	0.002										
5	0.037448	0.076	7.967	0.000	0.375	0.053	0.027	0.010	0.009	0.009	0.006	0.006
0.005	0.003											
6	0.032927	0.016	0.372	0.000	0.106	0.045	0.014	0.012	0.012	0.008	0.008	0.006
0.003												
7	0.024710	20.557	0.302	0.000	0.265	0.037	0.030	0.029	0.018	0.017	0.012	0.006
8	0.020928	4.736	0.004	0.000	0.083	0.062	0.058	0.031	0.029	0.020	0.009	
9	0.015071	0.133	0.658	0.000	0.777	0.676	0.177	0.160	0.079	0.023		
10	0.014285	0.043	17.886	0.000	0.976	0.276	0.247	0.109	0.027			
11	0.014065	4.258	0.473	0.000	0.319	0.284	0.121	0.029				
12	0.012157	0.275	0.123	0.000	0.984	0.400	0.053					
13	0.012005	0.017	1.800	0.000	0.453	0.057						
14	0.010759	0.229	0.787	0.000	0.104							
15	0.008040	1.271	0.001	0.000								
MASSA TOTALE		89.062	88.238	0.000								

7. DESCRIZIONE CASI DI CARICO

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	1.500	+		
				3	1.500	+		
2	SISMAX SLU	nessuna	somma	4	1.000	quadr.		
				5	1.000	quadr.		
				8	1.000	quadr.		
				9	1.000	quadr.		
				11	1.000	quadr.		
3	SISMAY SLU	nessuna	somma	6	1.000	quadr.		
				7	1.000	quadr.		
				10	1.000	quadr.		
				15	1.000	±		
4	SLU con SISMAX PRINC	S.L.U.	somma	1	1.000	+	2	1.000
				2	1.000	+	3	0.300
5	SLU con SISMAY PRINC	S.L.U.	somma	1	1.000	+	3	1.000
				2	1.000	+	2	0.300
6	SLD con SISMAX PRINC	S.L.Danno	somma	1	1.000	+	2	0.722
				2	1.000	+	3	0.217
7	SLD con SISMAY PRINC	S.L.Danno	somma	1	1.000	+	3	0.722
				2	1.000	+	2	0.217
8	Rara	Rara	somma	1	1.000	+		
				2	1.000	+		
				3	1.000	+		
9	Frequente	Freq.	somma	1	1.000	+		
				2	1.000	+		
				3	0.200	+		
10	Quasi Perm	QuasiPerm.	somma	1	1.000	+		
				2	1.000	+		

8. VERIFICA ASTE IN ACCIAIO

VERIFICA ELEMENTI IN ACCIAIO
 lavoro : NOLEP7
 data : 2020_12_14_10_24

Unità di misura:
 Lunghezze: cm
 Prop.Sez.: cm
 Forze: daN
 Momenti: daNcm
 Tensioni: daN/cm2

MATERIALI
 S235 (EN 10025-2): Mod.EI.= 2100000.0; gM = 1.050;
 fyk = 2350.0(2150.0 per sp>40 mm); fyd = 2238.1(2047.6 per sp>40 mm).

CASI DI CARICO			
N	Descrizione		SoIl.
1	SLU SENZA SISMA		1
4	SLU con SISMAX PRINC		16
5	SLU con SISMAX PRINC		16

CARATTERISTICHE GEOMETRICHE

CASSONE_S001 (1) :
 A = 17.0000E+00 Jz=205.4167E+00 Jy=205.4167E+00 Jt=307.0625E+00
 base= 9. ; alt= 9. ; spsup= 0. ; spsx= 0. ; spdx= 0. ; spinf= 0.

CASSONE_S002 (2) :
 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_S001 (1) stato limite ultimo - ASTA (26- 12) 33
 ----- PROGR. 0.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
5-12		0.0	0.0	0.0	0.2	-0.1	0.0
4- 8		0.0	0.0	0.0	0.1	0.2	0.1
4- 7		0.0	0.0	0.0	0.1	0.2	0.1

TENSIONI (Sz= 0.00) :							
Caso	Vel	No	massimi	Sx	Tz	Ty	Si
5-12	si	2	Sx	0.0	0.0	0.0	0.0
4- 8	si	14	Tz	0.0	0.0	0.0	0.1
4- 8	si	10	Ty	0.0	0.0	0.0	0.1
4- 7	si	15	Si	0.0	0.0	0.0	0.1
----- PROGR.							2.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
5-10		-0.1	-0.2	0.0	0.2	0.2	-0.2
4- 7		0.0	-0.6	0.0	0.1	0.4	-0.1
4- 9		-0.4	0.3	0.0	-0.1	-0.1	-0.3

TENSIONI (Sz= 0.00) :							
Caso	Vel	No	massimi	Sx	Tz	Ty	Si
5-10	si	2	Sx	0.0	0.0	0.0	0.0
4- 7	si	7	Tz	0.0	0.0	0.0	0.1
4- 9	si	5	Ty	0.0	0.0	0.0	0.1
4- 7	si	8	Si	0.0	0.0	0.0	0.1
----- PROGR.							4.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
5-10		-0.7	-0.7	0.0	0.2	0.3	-0.4
1- 1		-1.1	-0.5	0.0	0.0	0.3	-0.6

TENSIONI (Sz= 0.00) :							
Caso	Vel	No	massimi	Sx	Tz	Ty	Si
5-10	si	2	Sx	0.0	0.0	0.0	0.0
1- 1	si	13	Tz	0.0	0.1	0.0	0.1
1- 1	si	9	TySi	0.0	0.0	0.1	0.1
----- PROGR.							6.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
4- 7		-1.2	-2.3	0.0	0.1	0.6	-0.6
1- 1		-2.5	-1.2	0.0	0.0	0.4	-0.9

TENSIONI (Sz= 0.00) :							
Caso	Vel	No	massimi	Sx	Tz	Ty	Si
4- 7	si	2	Sx	0.1	0.0	0.0	0.1
1- 1	si	13	Tz	0.0	0.1	0.0	0.2
1- 1	si	9	TySi	0.0	0.0	0.1	0.2
----- PROGR.							8.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		-4.4	-2.1	0.0	0.0	0.6	-1.2

TENSIONI (Sz= 0.00) :							
Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	0.1	0.0	0.0	0.1
1- 1	si	13	Tz	0.1	0.1	0.0	0.3
1- 1	si	9	TySi	0.0	0.0	0.2	0.3
----- PROGR.							9.

SOLLECITAZIONI :							
Caso		MZ	MY	MT	N	TZ	TY
1- 1		-6.9	-3.3	0.0	0.0	0.7	-1.5

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	0.2	0.0	0.0	0.2
1- 1	si	13	Tz	0.1	0.2	0.0	0.3
1- 1	si	9	Ty	0.1	0.0	0.2	0.3

PROGR. 11.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-9.9	-4.8	0.0	0.0	0.9	-1.8

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	0.3	0.0	0.0	0.3
1- 1	si	13	Tz	0.1	0.2	0.0	0.4
1- 1	si	9	Ty	0.1	0.0	0.2	0.4
1- 1	si	5	Si	-0.1	0.0	0.2	0.4

PROGR. 13.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-13.4	-6.6	0.0	0.0	1.0	-2.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	0.4	0.0	0.0	0.4
1- 1	si	13	Tz	0.2	0.3	0.0	0.5
1- 1	si	9	Ty	0.1	0.0	0.3	0.5
1- 1	si	5	Si	-0.1	0.0	0.3	0.5

PROGR. 15.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-17.5	-8.6	0.0	0.0	1.1	-2.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	0.6	0.0	0.0	0.6
1- 1	si	13	Tz	0.2	0.3	0.0	0.6
1- 1	si	9	Ty	0.2	0.0	0.3	0.6

VERIFICA STABILITA' :

L0 = 15. |
Z | Lc = 15. | Ro = 3.48 | lm = 4.3 | Ncr= 18922224.9 | alfa(a)=0.2100 | ki=1.0000 |
Y | Lc = 15. | Ro = 3.48 | lm = 4.3 | Ncr= 18922224.9 | alfa(a)=0.2100 | ki=1.0000 |
Caso 4- 6 - Nodo 4 - Asse Z
Ned = -0.1 | Mzeq = -8.8 | Myeq = -7.6 | Ss = -0.4 (0.000)

CASSONE_S001 (1) stato limite ultimo - ASTA (12- 2) 34
PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	6753.2	3293.8	-453.6	-1506.6	124.0	-461.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-308.7	0.0	6.3	308.9
1- 1	si	13	Tz	-172.4	56.0	0.0	197.8
1- 1	si	5	Ty	-16.5	0.0	67.2	117.5

PROGR. 13.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	685.7	1659.3	-453.6	-1506.6	125.0	-463.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-140.0	0.0	6.3	140.4
1- 1	si	13	Tz	-71.3	56.3	0.0	120.8
1- 1	si	5	Ty	-52.3	0.0	67.5	128.0
1- 1	si	6	Si	-125.0	0.0	67.5	171.1

PROGR. 26.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-5408.7	11.8	-453.6	-1506.6	126.0	-465.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	-207.4	0.0	6.3	207.7
1- 1	si	13	Tz	30.1	56.5	0.0	102.4
1- 1	si	5	Ty	-88.4	0.0	67.7	146.9
1- 1	si	16	Si	-207.3	56.5	0.0	229.3

PROGR. 39.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-11530.0	-1648.9	-453.6	-1506.6	127.0	-467.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-377.3	0.0	6.3	377.5
1- 1	si	13	Tz	131.9	56.8	0.0	164.5
1- 1	si	5	Ty	-124.7	0.0	68.0	171.6
1- 1	si	14	Si	-373.3	-33.1	0.0	377.7

PROGR. 52.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-17678.2	-3322.6	-453.6	-1506.6	128.0	-469.5

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-548.7	0.0	6.3	548.8
1- 1	si	13	Tz	233.9	57.0	0.0	254.0
1- 1	si	5	Ty	-161.4	0.0	68.3	200.1

-----										PROGR.	66.
SOLLECITAZIONI :											
Caso			MZ		MY		MT		N	TZ	TY
1- 1			-23853.2		-5009.5		-453.6		-1506.6	129.0	-471.5
TENSIONI (Sz= 0.00) :											
Caso	Vel	No	massimi		Sx		Tz		Ty	Si	
1- 1	si	4	Sx	Si	-720.9		0.0		6.3	721.0	
1- 1	si	13		Tz	336.4		57.3		0.0	350.7	
1- 1	si	5		Ty	-198.4		0.0		68.5	231.2	

-----										PROGR.	79.						
SOLLECITAZIONI :																	
Caso		MZ		MY		MT		N		TZ		TY					
1- 1		-30055.0		-6709.4		-453.6		-1506.6		130.0		-473.5					
TENSIONI (Sz= 0.00) :																	
Caso		Vel		No		massimi		Sx		Tz		Ty		Si			
1- 1		si		4		Sx		Si		-894.0		0.0		6.3		894.1	
1- 1		si		13		Tz				439.1		57.6		0.0		450.3	
1- 1		si		5		Ty				-235.6		0.0		68.8		264.0	

-----										PROGR.	92.		
SOLLECITAZIONI :													
Caso			MZ		MY		MT		N		TZ		TY
1- 1			-36283.8		-8422.5		-453.6		-1506.6		131.0		-475.6
TENSIONI (Sz= 0.00) :													
Caso	Vel	No	massimi		Sx		Tz		Ty		Si		
1- 1	si	4	Sx	Si	-1068.0		0.0		6.3		1068.0		
1- 1	si	13		Tz	542.2		57.8		0.0		551.4		
1- 1	si	5		Ty	-273.1		0.0		69.1		298.2		

-----										PROGR.	105.
SOLLECITAZIONI :											
Caso			MZ		MY		MT		N	TZ	TY
1- 1			-42539.3		-10148.6		-453.6		-1506.6	132.0	-477.6
TENSIONI (Sz= 0.00) :											
Caso	Vel	No	massimi		Sx		Tz		Ty	Si	
1- 1	si	4	Sx	Si	-1242.8		0.0		6.3	1242.9	
1- 1	si	13		Tz	645.7		58.1		0.0	653.4	
1- 1	si	5		Ty	-310.9		0.0		69.4	333.3	

VERIFICA STABILITA` :

L0 = 105.
 Z | Lc = 105. | Ro = 3.48 | lm = 30.2 | Ncr= 386167.9 | alfa(a)=0.2100 | ki=0.9724 |
 Y | Lc = 105. | Ro = 3.48 | lm = 30.2 | Ncr= 386167.9 | alfa(a)=0.2100 | ki=0.9724 |
 Caso 1- 1 - Nodo 4 - Asse Z
 Ned = -1506.6 | Mzeq = -31904.5 | Myeq = -7611.5 | Ss = -960.2 (0.429)

CASSONE_S001 (1) stato limite ultimo - ASTA (2- 14) 35
PROGR. 0.

SOLLECITAZIONI :										PROGR.	0.	
Caso		MZ		MY		MT		N		TZ		TY
1- 1		-26727.0		-4221.4		-1011.9		-1413.0		-629.8		1100.1
TENSIONI (Sz= 0.00) :												
Caso	Vel	No	massimi	Sx		Tz		Ty		Si		
1- 1	si	4	Sx	Si	-761.1	0.0		14.0		761.5		
1- 1	si	13	Tz		420.2	-163.7		0.0		506.9		
1- 1	si	9	Ty		344.9	0.0		-168.6		451.8		
-----										PROGR.	2	

SOLLECITAZIONI :										PROGR.	2.		
Caso			MZ		MY		MT		N		TZ		TY
1- 1			-24664.6		-3040.7		-1011.9		-1413.0		-629.7		1099.8
TENSIONI (Sz= 0.00) :													
Caso	Vel	No	massimi		Sx		Tz		Ty		Si		
1- 1	si	4	Sx	Si	-690.0		0.0		14.0		690.5		
1- 1	si	13			398.0		-163.6		0.0		488.6		
1- 1	si	9			330.6		0.0		-168.5		441.0		
				TV									

-----										PROGR.	4.			
SOLLECITAZIONI :														
Caso				MZ		MY		MT		N		TZ		TY
1- 1				-22602.7		-1860.2		-1011.9		-1413.0		-629.5		1099.5
TENSIONI (Sz= 0.00) :														
Caso		Vel	No	massimi		Sx		Tz		Ty		Si		
1- 1		si	4	Sx		-619.0		0.0		14.0		619.5		
1- 1		si	13	Tz		375.8		-163.6		0.0		470.7		
1- 1		si	9	Ty		316.3		0.0		-168.5		430.3		
1- 1		si	14	Si		-614.5		46.4		0.0		619.7		

-----										PROGR.	6.		
SOLLECITAZIONI :													
Caso			MZ		MY		MT		N		TZ		TY
1- 1			-20541.3		-680.0		-1011.9		-1413.0		-629.4		1099.2
TENSIONI (Sz= 0.00) :													
Caso	Vel	No	massimi		Sx		Tz		Ty		Si		
1- 1	si	4	Sx		-548.0		0.0		14.0		548.5		
1- 1	si	13	Tz		353.6		-163.6		0.0		453.1		
1- 1	si	9	Ty		302.0		0.0		-168.4		419.9		
1- 1	si	16	Si		-519.9		-163.6		0.0		592.1		

-----										PROGR.	8.		
SOLLECITAZIONI :													
Caso			MZ		MY		MT		N		TZ		TY
1- 1			-18480.5		499.9		-1011.9		-1413.0		-629.2		1098.9
TENSIONI (Sz= 0.00) :													
Caso	Vel	No	massimi		Sx		Tz		Ty		Si		
1- 1	si	3	Sx		-498.9		0.0		14.0		499.5		
1- 1	si	13	Tz		331.5		-163.5		0.0		436.0		

1- 1 si 9	Ty	287.7	0.0	-168.4	409.7	
1- 1 si 16	Si	-497.7	-163.5	0.0	572.7	
-----						PROGR. 9.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-16420.3	1679.6	-1011.9	-1413.0	-629.1	1098.7
TENSIONI (Sz= 0.00) :						

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 3	Sx			-479.6	0.0	14.0	480.2
1- 1 si 13	Tz			309.3	-163.5	0.0	419.4
1- 1 si 9	Ty			273.4	0.0	-168.4	399.7
1- 1 si 16	Si			-475.5	-163.5	0.0	553.5
-----							PROGR. 11.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-14360.6	2859.0	-1011.9	-1413.0	-628.9	1098.4
TENSIONI (Sz= 0.00) :						

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 3	Sx			-460.3	0.0	14.0	461.0
1- 1 si 13	Tz			287.1	-163.5	0.0	403.3
1- 1 si 9	Ty			259.2	0.0	-168.3	390.1
1- 1 si 16	Si			-453.4	-163.5	0.0	534.5
-----							PROGR. 13.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-12301.4	4038.1	-1011.9	-1413.0	-628.8	1098.1
TENSIONI (Sz= 0.00) :						

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 3	Sx			-441.1	0.0	14.0	441.7
1- 1 si 13	Tz			265.0	-163.4	0.0	387.7
1- 1 si 9	Ty			244.9	0.0	-168.3	380.7
1- 1 si 16	Si			-431.2	-163.4	0.0	515.8
-----							PROGR. 15.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-10242.8	5217.0	-1011.9	-1413.0	-628.7	1097.8
TENSIONI (Sz= 0.00) :						

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 3	Sx			-421.8	0.0	14.0	422.5
1- 1 si 13	Tz			242.9	-163.4	0.0	372.9
1- 1 si 9	Ty			230.6	0.0	-168.2	371.6
1- 1 si 16	Si			-409.1	-163.4	0.0	497.4

VERIFICA STABILITA` :

L0 = 15.
 Z | Lc = 15. | Ro = 3.48 | Im = 4.3 | Ncr= 18922224.9 | alfa(a)=0.2100 | ki=1.0000 |
 Y | Lc = 15. | Ro = 3.48 | Im = 4.3 | Ncr= 18922224.9 | alfa(a)=0.2100 | ki=1.0000 |
 Caso 1- 1 - Nodo 3 - Asse Z
 Ned = -1413.0 | Mzeq = -24026.6 | Myeq = 3912.7 | Ss = -695.2 (0.311)

CASSONE_S001 (1) stato limite ultimo - ASTA (14- 16) 36
 ----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-13933.7	3416.8	-303.3	-591.7	11.6	108.3
TENSIONI (Sz= 0.00) :						

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 3	Sx			-414.9	0.0	4.2	415.0
1- 1 si 14	Tz			-273.5	14.2	0.0	274.6
1- 1 si 5	Ty			40.0	0.0	-18.5	51.3
-----							PROGR. 24.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-11378.3	3116.6	-303.3	-591.7	13.4	104.6
TENSIONI (Sz= 0.00) :						

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 3	Sx			-352.3	0.0	4.2	352.4
1- 1 si 14	Tz			-223.4	14.1	0.0	224.7
1- 1 si 5	Ty			33.5	0.0	-18.0	45.8
-----							PROGR. 48.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-8912.8	2772.5	-303.3	-591.7	15.2	100.9
TENSIONI (Sz= 0.00) :						

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 3	Sx			-290.8	0.0	4.2	290.9
1- 1 si 14	Tz			-176.1	14.0	0.0	177.7
1- 1 si 5	Ty			25.9	0.0	-17.5	39.9
-----							PROGR. 72.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-6537.1	2384.7	-303.3	-591.7	17.1	97.1
TENSIONI (Sz= 0.00) :						

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 3	Sx			-230.2	0.0	4.2	230.4
1- 1 si 14	Tz			-131.6	13.8	0.0	133.7
1- 1 si 5	Ty			17.4	0.0	-17.0	34.3
-----							PROGR. 96.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-4251.2	1953.0	-303.3	-591.7	18.9	93.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	-170.7	0.0	4.2	170.9
1- 1	si	14	Tz	-89.9	13.7	0.0	93.0
1- 1	si	5	Ty	8.0	0.0	-16.5	29.7

----- PROGR. 120.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-2055.1	1477.5	-303.3	-591.7	20.7	89.6

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	-112.2	0.0	4.2	112.4
1- 1	si	14	Tz	-51.1	13.5	0.0	56.2
1- 1	si	5	Ty	-2.4	0.0	-16.0	27.9

----- PROGR. 144.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	51.2	958.2	-303.3	-591.7	22.5	85.9

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-56.9	0.0	4.2	57.4
1- 1	si	14	Tz	-15.0	13.4	0.0	27.7
1- 1	si	5	Ty	-13.8	0.0	-15.5	30.3
1- 1	si	6	Si	-55.8	0.0	-15.5	61.9

----- PROGR. 168.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	2067.7	395.2	-303.3	-591.7	24.4	82.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-88.8	0.0	4.2	89.1
1- 1	si	14	Tz	18.2	13.3	0.0	29.3
1- 1	si	5	Ty	-26.1	0.0	-15.0	36.9
1- 1	si	15	Si	-87.8	13.3	0.0	90.8

----- PROGR. 192.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	3994.3	-211.7	-303.3	-591.7	26.2	78.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-126.9	0.0	4.2	127.2
1- 1	si	14	Tz	48.6	13.1	0.0	53.6
1- 1	si	5	Ty	-39.4	0.0	-14.6	46.8
1- 1	si	13	Si	-126.4	-8.2	0.0	127.2

VERIFICA STABILITA` :

L0 = 192.
Z | LC = 192. | Ro = 3.48 | Im = 55.2 | Ncr= 115492.1 | alfa(a)=0.2100 | ki=0.8944 |
Y | LC = 192. | Ro = 3.48 | Im = 55.2 | Ncr= 115492.1 | alfa(a)=0.2100 | ki=0.8944 |
Caso 1- 1 - Nodo 3 - Asse Z
Ned = -591.7 | Mzeq = -10450.2 | Myeq = 2562.6 | Ss = -325.4 (0.145)

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----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	2800.6	-793.9	-743.6	-326.0	270.8	-623.9

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-97.9	0.0	10.3	99.5
1- 1	si	13	Tz	-96.0	87.1	0.0	178.9
1- 1	si	5	Ty	-36.6	0.0	92.7	164.6
1- 1	si	9	Si	-91.1	0.0	90.8	181.7

----- PROGR. 2.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	1552.5	-1335.6	-743.6	-326.0	270.9	-624.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-82.4	0.0	10.3	84.4
1- 1	si	13	Tz	-79.2	87.2	0.0	170.5
1- 1	si	5	Ty	-48.4	0.0	92.7	167.7
1- 1	si	9	Si	-78.7	0.0	90.8	175.9

----- PROGR. 4.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	303.7	-1877.6	-743.6	-326.0	271.1	-624.5

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-67.0	0.0	10.3	69.3
1- 1	si	13	Tz	-62.4	87.2	0.0	163.4
1- 1	si	5	Ty	-60.3	0.0	92.8	171.6

----- PROGR. 6.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-945.7	-2419.9	-743.6	-326.0	271.2	-624.9

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-92.9	0.0	10.3	94.6
1- 1	si	13	Tz	-45.6	87.3	0.0	157.9
1- 1	si	5	Ty	-72.2	0.0	92.8	176.2

----- PROGR.										8.
SOLLECITAZIONI :										
Caso	1- 1	MZ	MY	MT	N	TZ	TY			
1- 1		-2195.8	-2962.5	-743.6	-326.0	271.4	-625.2			
TENSIONI (Sz= 0.00) :										
Caso	Vel	No	massimi	Sx	Tz	Ty	Si			
1- 1	si	4	Sx	-132.2	0.0	10.3	133.4			
1- 1	si	13	Tz	-28.8	87.3	0.0	153.9			
1- 1	si	5	TySi	-84.1	0.0	92.8	181.5			
----- PROGR.										10.
SOLLECITAZIONI :										
Caso	1- 1	MZ	MY	MT	N	TZ	TY			
1- 1		-3446.4	-3505.4	-743.6	-326.0	271.5	-625.5			
TENSIONI (Sz= 0.00) :										
Caso	Vel	No	massimi	Sx	Tz	Ty	Si			
1- 1	si	4	Sx	-171.5	0.0	10.3	172.4			
1- 1	si	13	Tz	-11.9	87.3	0.0	151.7			
1- 1	si	5	TySi	-96.0	0.0	92.9	187.3			
----- PROGR.										12.
SOLLECITAZIONI :										
Caso	1- 1	MZ	MY	MT	N	TZ	TY			
1- 1		-4697.7	-4048.7	-743.6	-326.0	271.7	-625.8			
TENSIONI (Sz= 0.00) :										
Caso	Vel	No	massimi	Sx	Tz	Ty	Si			
1- 1	si	4	Sx	-210.8	0.0	10.3	211.5			
1- 1	si	13	Tz	4.9	87.4	0.0	151.4			
1- 1	si	5	Ty	-107.9	0.0	92.9	193.8			
1- 1	si	11	Si	-199.3	0.0	46.1	214.7			
----- PROGR.										14.
SOLLECITAZIONI :										
Caso	1- 1	MZ	MY	MT	N	TZ	TY			
1- 1		-5949.6	-4592.2	-743.6	-326.0	271.8	-626.1			
TENSIONI (Sz= 0.00) :										
Caso	Vel	No	massimi	Sx	Tz	Ty	Si			
1- 1	si	4	Sx	-250.1	0.0	10.3	250.7			
1- 1	si	13	Tz	21.7	87.4	0.0	153.0			
1- 1	si	5	Ty	-119.8	0.0	93.0	200.7			
----- PROGR.										16.
SOLLECITAZIONI :										
Caso	1- 1	MZ	MY	MT	N	TZ	TY			
1- 1		-7202.1	-5136.0	-743.6	-326.0	272.0	-626.4			
TENSIONI (Sz= 0.00) :										
Caso	Vel	No	massimi	Sx	Tz	Ty	Si			
1- 1	si	4	Sx	-289.5	0.0	10.3	290.0			
1- 1	si	13	Tz	38.6	87.5	0.0	156.3			
1- 1	si	5	Ty	-131.7	0.0	93.0	208.1			

VERIFICA STABILITA' :										
Z	L0 =	16.								
Y	Lc =	16.	Ro = 3.48	Im = 4.6	Ncr= 16630861.7	alfa(a)=0.2100	ki=1.0000			
Caso	1- 1 - Nodo 4 - Asse Z				Ncr= 16630861.7	alfa(a)=0.2100	ki=1.0000			
Ned =	-326.0	Mzeq =	-5401.6	Myeq =	-3852.3	Ss =	-221.9 (0.099)			
CASSONE_S001 (1) ----- stato limite ultimo - ASTA (4- 17)										38
----- PROGR.										0.
SOLLECITAZIONI :										
Caso	1- 1	MZ	MY	MT	N	TZ	TY			
1- 1		-3551.4	-3416.8	-432.5	-298.5	-204.8	347.8			
TENSIONI (Sz= 0.00) :										
Caso	Vel	No	massimi	Sx	Tz	Ty	Si			
1- 1	si	4	Sx	-170.2	0.0	6.0	170.5			
1- 1	si	13	Tz	-6.3	-53.8	0.0	93.5			
1- 1	si	9	Ty	-23.3	0.0	-55.3	98.6			
----- PROGR.										2.
SOLLECITAZIONI :										
Caso	1- 1	MZ	MY	MT	N	TZ	TY			
1- 1		-2943.0	-3058.4	-432.5	-298.5	-204.7	347.5			
TENSIONI (Sz= 0.00) :										
Caso	Vel	No	massimi	Sx	Tz	Ty	Si			
1- 1	si	4	Sx	-149.0	0.0	6.0	149.4			
1- 1	si	13	Tz	-12.6	-53.8	0.0	94.1			
1- 1	si	9	Ty	-27.3	0.0	-55.3	99.6			
----- PROGR.										4.
SOLLECITAZIONI :										
Caso	1- 1	MZ	MY	MT	N	TZ	TY			
1- 1		-2335.0	-2700.3	-432.5	-298.5	-204.6	347.3			
TENSIONI (Sz= 0.00) :										
Caso	Vel	No	massimi	Sx	Tz	Ty	Si			
1- 1	si	4	Sx	-127.9	0.0	6.0	128.3			
1- 1	si	13	Tz	-19.0	-53.8	0.0	95.1			
1- 1	si	9	Ty	-31.2	0.0	-55.2	100.7			
----- PROGR.										5.
SOLLECITAZIONI :										
Caso	1- 1	MZ	MY	MT	N	TZ	TY			
1- 1		-1727.6	-2342.4	-432.5	-298.5	-204.4	347.0			
TENSIONI (Sz= 0.00) :										
Caso	Vel	No	massimi	Sx	Tz	Ty	Si			
1- 1	si	4	Sx	-106.7	0.0	6.0	107.2			
1- 1	si	13	Tz	-25.3	-53.7	0.0	96.5			
1- 1	si	9	Ty	-35.2	0.0	-55.2	101.9			

1- 1 si 5	si	-68.9	0.0	-51.8	113.1	
-----						7.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1120.5	-1984.7	-432.5	-298.5	-204.3	346.7
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 4	Sx			-85.6	0.0	6.0
1- 1 si 13	Tz			-31.7	-53.7	0.0
1- 1 si 9	Ty			-39.2	0.0	-55.2
1- 1 si 5	Si			-61.0	0.0	-51.8
-----						9.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-514.0	-1627.3	-432.5	-298.5	-204.2	346.5
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 4	Sx			-64.5	0.0	6.0
1- 1 si 13	Tz			-38.0	-53.7	0.0
1- 1 si 9	Ty			-43.2	0.0	-55.1
-----						10.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	92.0	-1270.1	-432.5	-298.5	-204.0	346.2
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 1	Sx			-47.4	0.0	6.0
1- 1 si 13	Tz			-44.3	-53.6	0.0
1- 1 si 9	Ty			-47.2	0.0	-55.1
-----						12.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	697.6	-913.1	-432.5	-298.5	-203.9	345.9
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 1	Sx			-52.8	0.0	6.0
1- 1 si 13	Tz			-50.6	-53.6	0.0
1- 1 si 9	Ty			-51.1	0.0	-55.1
-----						14.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	1302.7	-556.4	-432.5	-298.5	-203.8	345.6
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 1	Sx			-58.3	0.0	6.0
1- 1 si 13	Tz			-56.9	-53.6	0.0
1- 1 si 9	Ty			-55.1	0.0	-55.0

VERIFICA STABILITA' :

L0 = 14.
 Z | Lc = 14. | Ro = 3.48 | Im = 4.0 | Ncr= 21721941.9 | alfa(a)=0.2100 | ki=1.0000 |
 Y | Lc = 14. | Ro = 3.48 | Im = 4.0 | Ncr= 21721941.9 | alfa(a)=0.2100 | ki=1.0000 |
 Caso 1- 1 - Nodo 4 - Asse Z
 Ned = -298.5 | Mzeq = -2663.6 | Myeq = -2580.9 | Ss = -132.5 (0.059)

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----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-21.8	-1202.4	-308.3	-3.8	-17.1	19.6
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 4	Sx			-27.0	0.0	4.3
1- 1 si 13	Tz			-23.2	-7.5	0.0
1- 1 si 9	Ty			-26.1	0.0	-7.5
-----						25.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	418.7	-798.3	-308.3	-3.8	-15.2	15.7
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 1	Sx			-26.9	0.0	4.3
1- 1 si 13	Tz			-24.9	-7.0	0.0
1- 1 si 9	Ty			-25.9	0.0	-7.0
-----						50.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	761.7	-441.7	-308.3	-3.8	-13.3	11.8
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 1	Sx			-26.6	0.0	4.3
1- 1 si 13	Tz			-25.5	-6.5	0.0
1- 1 si 9	Ty			-24.7	0.0	-6.5
-----						75.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	1007.2	-132.7	-308.3	-3.8	-11.4	7.9
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 1	Sx			-25.2	0.0	4.3
1- 1 si 13	Tz			-24.9	-6.0	0.0

1- 1 si 9	Ty		-22.7	0.0	-5.9	25.0	
						PROGR.	100.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		1155.3		128.8		-308.3		-3.8		-9.5		4.0

TENSIONI (Sz= 0.00) :

Caso		Vel		No		massimi		Sx		Tz		Ty		Si
1- 1 si 2		Sx		Si				-28.4		0.0		4.3		29.3
1- 1 si 7		Tz						-25.5		-5.5		0.0		27.3
1- 1 si 9		Ty						-19.9		0.0		-5.4		22.0

PROGR. 125.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		1206.0		342.7		-308.3		-3.8		-7.6		0.1

TENSIONI (Sz= 0.00) :

Caso		Vel		No		massimi		Sx		Tz		Ty		Si
1- 1 si 2		Sx		Si				-34.2		0.0		4.3		34.9
1- 1 si 7		Tz						-26.6		-5.3		0.0		28.2
1- 1 si 9		Ty						-16.2		0.0		-4.9		18.3

PROGR. 150.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		1159.2		509.1		-308.3		-3.8		-5.7		-3.8

TENSIONI (Sz= 0.00) :

Caso		Vel		No		massimi		Sx		Tz		Ty		Si
1- 1 si 2		Sx		Si				-36.8		0.0		4.3		37.5
1- 1 si 14		Tz						35.1		-5.1		0.0		36.2
1- 1 si 10		Ty						-33.9		0.0		5.1		35.1

PROGR. 175.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		1014.9		628.0		-308.3		-3.8		-3.8		-7.7

TENSIONI (Sz= 0.00) :

Caso		Vel		No		massimi		Sx		Tz		Ty		Si
1- 1 si 2		Sx		Si				-36.2		0.0		4.3		37.0
1- 1 si 10		Tz						34.2		-5.3		0.0		35.4
1- 1 si 10		Ty						-33.7		0.0		5.3		35.0

PROGR. 200.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		773.2		699.4		-308.3		-3.8		-1.9		-11.6

TENSIONI (Sz= 0.00) :

Caso		Vel		No		massimi		Sx		Tz		Ty		Si
1- 1 si 2		Sx		Si				-32.5		0.0		4.3		33.3
1- 1 si 14		Tz						30.3		-5.4		0.0		31.7
1- 1 si 5		Ty						15.1		0.0		5.8		18.1

VERIFICA STABILITA' :

L0 = 200.
 Z | Lc = 200. | Ro = 3.48 | lm = 57.5 | Ncr= 106437.5 | alfa(a)=0.2100 | ki=0.8851 |
 Y | Lc = 200. | Ro = 3.48 | lm = 57.5 | Ncr= 106437.5 | alfa(a)=0.2100 | ki=0.8851 |
 Caso 1- 1 - Nodo 1 - Asse Z
 Ned = -3.8 | Mzeq = 1164.1 | Myeq = -901.8 | Ss = -45.5 (0.020)

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PROGR. 0.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		885.9		754.4		-256.6		-28.9		166.4		-333.1

TENSIONI (Sz= 0.00) :

Caso		Vel		No		massimi		Sx		Tz		Ty		Si
1- 1 si 2		Sx		Si				-37.6		0.0		3.6		38.1
1- 1 si 13		Tz						-6.4		46.6		0.0		81.0
1- 1 si 9		Ty						-2.4		0.0		48.3		83.8
1- 1 si 6		Si						-18.2		0.0		47.5		84.3

PROGR. 2.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		219.3		421.4		-256.6		-28.9		166.6		-333.5

TENSIONI (Sz= 0.00) :

Caso		Vel		No		massimi		Sx		Tz		Ty		Si
1- 1 si 2		Sx		Si				-15.7		0.0		3.6		16.9
1- 1 si 13		Tz						1.7		46.7		0.0		80.8
1- 1 si 9		Ty						3.3		0.0		48.4		83.9
1- 1 si 12		Si						-6.7		0.0		48.4		84.1

PROGR. 4.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		-447.9		88.1		-256.6		-28.9		166.7		-333.8

TENSIONI (Sz= 0.00) :

Caso		Vel		No		massimi		Sx		Tz		Ty		Si
1- 1 si 3		Sx		Si				-13.4		0.0		3.6		14.8
1- 1 si 13		Tz						9.8		46.7		0.0		81.5
1- 1 si 9		Ty						9.0		0.0		48.4		84.4
1- 1 si 12		Si						-12.4		0.0		48.4		84.8

PROGR. 6.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		-1115.8		-245.5		-256.6		-28.9		166.9		-334.1

TENSIONI (Sz= 0.00) :

Caso		Vel		No		massimi		Sx		Tz		Ty		Si
1- 1														

1- 1	si	4	Sx	-31.5	0.0	3.6	32.1
1- 1	si	13	Tz	18.0	46.7	0.0	82.9
1- 1	si	9	Ty	14.6	0.0	48.5	85.2
1- 1	si	12	Si	-18.0	0.0	48.5	85.9
-----							PROGR. 8.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1784.2	-579.4	-256.6	-28.9	167.0	-334.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-53.5	0.0	3.6	53.8
1- 1	si	13	Tz	26.1	46.8	0.0	85.1
1- 1	si	9	Ty	20.4	0.0	48.5	86.4
1- 1	si	12	Si	-23.7	0.0	48.5	87.3
-----							PROGR. 10.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-2453.3	-913.7	-256.6	-28.9	167.2	-334.7

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-75.5	0.0	3.6	75.7
1- 1	si	13	Tz	34.3	46.8	0.0	88.0
1- 1	si	9	Ty	26.1	0.0	48.5	88.0
1- 1	si	16	Si	-37.7	46.8	0.0	89.4
-----							PROGR. 12.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-3123.0	-1248.2	-256.6	-28.9	167.3	-335.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-97.5	0.0	3.6	97.7
1- 1	si	13	Tz	42.4	46.9	0.0	91.6
1- 1	si	9	Ty	31.8	0.0	48.6	90.0
1- 1	si	14	Si	-94.4	-15.7	0.0	98.3
-----							PROGR. 14.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-3793.4	-1583.0	-256.6	-28.9	167.5	-335.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-119.5	0.0	3.6	119.6
1- 1	si	13	Tz	50.6	46.9	0.0	95.7
1- 1	si	9	Ty	37.5	0.0	48.6	92.2
-----							PROGR. 16.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-4464.4	-1918.1	-256.6	-28.9	167.6	-335.6

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-141.5	0.0	3.6	141.7
1- 1	si	13	Tz	58.7	46.9	0.0	100.3
1- 1	si	9	Ty	43.2	0.0	48.7	94.7

VERIFICA STABILITA` :

L0 = 16. |
 Z | LC = 16. | Ro = 3.48 | Im = 4.6 | Ncr= 16630861.7 | alfa(a)=0.2100 | ki=1.0000 |
 Y | LC = 16. | Ro = 3.48 | Im = 4.6 | Ncr= 16630861.7 | alfa(a)=0.2100 | ki=1.0000 |
 Caso 1- 1 - Nodo 4 - Asse Z
 Ned = -28.9 | Mzeq = -3348.3 | Myeq = -1438.6 | Ss = -106.6 (0.048)

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 ----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-5463.4	-3097.6	-151.1	33.9	-254.5	446.8

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	189.5	0.0	2.1	189.6
1- 1	si	13	Tz	61.4	-62.8	0.0	124.8
1- 1	si	9	Ty	40.5	0.0	-64.8	119.3
-----							PROGR. 2.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-4626.0	-2620.4	-151.1	33.9	-254.4	446.5

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	160.7	0.0	2.1	160.8
1- 1	si	13	Tz	52.3	-62.7	0.0	120.6
1- 1	si	9	Ty	34.7	0.0	-64.7	117.3
-----							PROGR. 4.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-3789.1	-2143.6	-151.1	33.9	-254.3	446.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	132.0	0.0	2.1	132.0
1- 1	si	13	Tz	43.3	-62.7	0.0	116.9
1- 1	si	9	Ty	28.8	0.0	-64.7	115.7
-----							PROGR. 6.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
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1- 1			-2952.8	-1667.0	-151.1	33.9	-254.1	445.9
TENSIONI (Sz= 0.00) :								
Caso	Vel	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	2	Sx	103.2	0.0	2.1	103.3	
1- 1	si	13	Tz	34.2	-62.7	0.0	113.8	
1- 1	si	9	TySi	23.0	0.0	-64.6	114.3	

PROGR. 8.

SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			-2117.1	-1190.7	-151.1	33.9	-254.0	445.6
TENSIONI (Sz= 0.00) :								
Caso	Vel	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	2	Sx	74.5	0.0	2.1	74.5	
1- 1	si	13	Tz	25.2	-62.6	0.0	111.3	
1- 1	si	9	TySi	17.1	0.0	-64.6	113.2	

PROGR. 9.

SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			-1281.9	-714.6	-151.1	33.9	-253.8	445.3
TENSIONI (Sz= 0.00) :								
Caso	Vel	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	2	Sx	45.7	0.0	2.1	45.9	
1- 1	si	13	Tz	16.2	-62.6	0.0	109.6	
1- 1	si	9	TySi	11.3	0.0	-64.6	112.4	

PROGR. 11.

SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			-447.2	-238.8	-151.1	33.9	-253.7	445.0
TENSIONI (Sz= 0.00) :								
Caso	Vel	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	2	Sx	17.0	0.0	2.1	17.4	
1- 1	si	13	Tz	7.1	-62.5	0.0	108.6	
1- 1	si	9	TySi	5.5	0.0	-64.5	111.9	

PROGR. 13.

SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			386.9	236.7	-151.1	33.9	-253.5	444.7
TENSIONI (Sz= 0.00) :								
Caso	Vel	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	15.7	0.0	2.1	16.1	
1- 1	si	13	Tz	-1.9	-62.5	0.0	108.3	
1- 1	si	9	Ty	-0.4	0.0	-64.5	111.7	
1- 1	si	12	Si	4.3	0.0	-64.5	111.8	

PROGR. 15.

SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			1220.5	712.0	-151.1	33.9	-253.4	444.4
TENSIONI (Sz= 0.00) :								
Caso	Vel	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	44.3	0.0	2.1	44.5	
1- 1	si	13	Tz	-10.9	-62.5	0.0	108.7	
1- 1	si	9	Ty	-6.2	0.0	-64.4	111.8	
1- 1	si	12	Si	10.2	0.0	-64.4	112.1	

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

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PROGR. 0.

SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			1394.6	796.9	21.6	-4.8	9.3	-15.3
TENSIONI (Sz= 0.00) :								
Caso	Vel	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	2	Sx Si	-48.3	0.0	0.3	48.3	
1- 1	si	13	Tz	-15.3	2.4	0.0	15.9	
1- 1	si	9	Ty	-10.0	0.0	2.5	10.9	

PROGR. 13.

SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			1179.8	668.6	21.6	-4.8	10.3	-17.4
TENSIONI (Sz= 0.00) :								
Caso	Vel	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	2	Sx Si	-40.8	0.0	0.3	40.8	
1- 1	si	13	Tz	-13.1	2.7	0.0	13.9	
1- 1	si	9	Ty	-8.6	0.0	2.8	9.9	

PROGR. 26.

SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			938.1	527.2	21.6	-4.8	11.3	-19.4
TENSIONI (Sz= 0.00) :								
Caso	Vel	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	2	Sx Si	-32.4	0.0	0.3	32.4	
1- 1	si	13	Tz	-10.6	3.0	0.0	11.7	
1- 1	si	9	Ty	-7.0	0.0	3.0	8.8	

PROGR. 39.

SOLLECITAZIONI :								
Caso			MZ	MY	MT	N	TZ	TY
1- 1			669.6	372.7	21.6	-4.8	12.3	-21.5
TENSIONI (Sz= 0.00) :								
Caso	Vel	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	2	Sx Si	-23.1	0.0	0.3	23.1	
1- 1	si	13	Tz	-7.7	3.2	0.0	9.5	

1- 1 si 9	Ty	-5.2	0.0	3.3	7.7	52.
-----						PROGR.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	374.3	205.1	21.6	-4.8	13.3	-23.5

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 2	Sx	Si		-13.0	0.0	0.3	13.0
1- 1 si 13	Tz			-4.5	3.5	0.0	7.5
1- 1 si 9	Ty			-3.1	0.0	3.6	6.9

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	52.1	24.4	21.6	-4.8	14.3	-25.6

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 2	Sx	Si		-2.0	0.0	0.3	2.0
1- 1 si 13	Tz			-0.9	3.7	0.0	6.6
1- 1 si 9	Ty			-0.8	0.0	3.9	6.7

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-297.0	-169.3	21.6	-4.8	15.3	-27.6

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 4	Sx	Si		-10.5	0.0	0.3	10.5
1- 1 si 13	Tz			2.9	4.0	0.0	7.5
1- 1 si 9	Ty			1.8	0.0	4.1	7.4

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-673.0	-376.2	21.6	-4.8	16.3	-29.7

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 4	Sx	Si		-23.3	0.0	0.3	23.3
1- 1 si 13	Tz			7.1	4.3	0.0	10.3
1- 1 si 9	Ty			4.6	0.0	4.4	8.9

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1075.8	-596.2	21.6	-4.8	17.3	-31.7

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 4	Sx	Si		-36.9	0.0	0.3	36.9
1- 1 si 13	Tz			11.7	4.5	0.0	14.1
1- 1 si 9	Ty			7.6	0.0	4.7	11.1

VERIFICA STABILITA' :

L0 = 105. | Ro = 3.48 | lm = 30.2 | Ncr= 386167.9 | alfa(a)=0.2100 | ki=0.9724 |
 Z | Lc = 105. | Ro = 3.48 | lm = 30.2 | Ncr= 386167.9 | alfa(a)=0.2100 | ki=0.9724 |
 Y | Lc = 105. |
 Caso 1- 1 - Nodo 2 - Asse Z
 Ned = -4.8 | Mzeq = 1045.9 | Myeq = 597.7 | Ss = -36.3 (0.016)

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SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	377.5	-308.1	-112.3	13.3	-12.1	14.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 3	Sx	Si		15.8	0.0	1.6	16.0
1- 1 si 13	Tz			-13.5	-3.9	0.0	15.0
1- 1 si 9	Ty			-13.3	0.0	-3.9	14.9
1- 1 si 16	Si			15.0	-3.9	0.0	16.5

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	671.2	-38.9	-112.3	13.3	-10.3	10.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 3	Sx	Si		16.3	0.0	1.6	16.6
1- 1 si 13	Tz			-14.7	-3.4	0.0	15.8
1- 1 si 9	Ty			-13.1	0.0	-3.4	14.4
1- 1 si 16	Si			16.2	-3.4	0.0	17.3

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	875.1	186.4	-112.3	13.3	-8.5	6.6

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 4	Sx	Si		24.0	0.0	1.6	24.2
1- 1 si 13	Tz			-14.8	-2.9	0.0	15.6
1- 1 si 9	Ty			-12.2	0.0	-2.9	13.2

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	989.2	368.0	-112.3	13.3	-6.7	2.9

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 4	Sx	Si		30.5	0.0	1.6	30.6

1- 1 si 7	Tz	-20.9	-2.4	0.0	21.3	
1- 1 si 9	Ty	-10.4	0.0	-2.4	11.2	
-----						PROGR. 96.
SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	1013.5	505.7	-112.3	13.3	-4.8	-0.9
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 4	Sx	Si		34.1	0.0	1.6
1- 1 si 7	Tz			-21.4	-2.2	0.0
1- 1 si 10	Ty			-30.0	0.0	2.0
-----						PROGR. 120.
SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	948.0	599.7	-112.3	13.3	-3.0	-4.6
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 4	Sx	Si		34.7	0.0	1.6
1- 1 si 14	Tz			33.2	-2.2	0.0
1- 1 si 10	Ty			-30.8	0.0	2.2
-----						PROGR. 144.
SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	792.7	649.8	-112.3	13.3	-1.2	-8.3
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 4	Sx	Si		32.4	0.0	1.6
1- 1 si 14	Tz			30.8	-2.4	0.0
1- 1 si 5	Ty			15.0	0.0	2.7
-----						PROGR. 168.
SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	547.5	656.1	-112.3	13.3	0.6	-12.1
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 4	Sx	Si		27.1	0.0	1.6
1- 1 si 13	Tz			1.6	2.6	0.0
1- 1 si 5	Ty			15.2	0.0	3.2
-----						PROGR. 192.
SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	212.6	618.6	-112.3	13.3	2.5	-15.8
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 4	Sx	Si		19.0	0.0	1.6
1- 1 si 13	Tz			8.2	3.1	0.0
1- 1 si 5	Ty			14.3	0.0	3.6

VERIFICA STABILITA` : asta tesa per tutti i casi di carico.						
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-----						PROGR. 0.
SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	500.6	759.1	701.9	-50.8	481.4	-626.3
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 2	Sx	Si		-30.6	0.0	9.7
1- 1 si 13	Tz			0.8	106.4	0.0
1- 1 si 9	Ty			3.9	0.0	107.9
1- 1 si 12	Si			-9.9	0.0	107.9
-----						PROGR. 2.
SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-752.3	-203.8	701.9	-50.8	481.6	-626.6
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 4	Sx	Si		-23.9	0.0	9.7
1- 1 si 13	Tz			9.5	106.4	0.0
1- 1 si 9	Ty			7.2	0.0	107.9
1- 1 si 12	Si			-13.2	0.0	107.9
-----						PROGR. 4.
SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-2005.8	-1167.1	701.9	-50.8	481.7	-626.9
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 4	Sx	Si		-72.5	0.0	9.7
1- 1 si 13	Tz			18.2	106.4	0.0
1- 1 si 9	Ty			10.5	0.0	107.9
1- 1 si 12	Si			-16.5	0.0	107.9
-----						PROGR. 6.
SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-3260.0	-2130.7	701.9	-50.8	481.9	-627.2
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 4	Sx	Si		-121.1	0.0	9.7
1- 1 si 13	Tz			26.9	106.5	0.0
1- 1 si 9	Ty			13.8	0.0	108.0
1- 1 si 12	Si			-19.8	0.0	108.0
-----						PROGR. 8.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-4514.7	-3094.5	701.9	-50.8	482.0	-627.5
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	4	Sx	-169.7	0.0	9.7
1- 1	si	13	Tz	35.7	106.5	0.0
1- 1	si	9	Ty	17.1	0.0	108.0
1- 1	si	16	Si	-41.6	106.5	0.0

PROGR. 10.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-5770.1	-4058.7	701.9	-50.8	482.2	-627.9
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	4	Sx	-218.3	0.0	9.7
1- 1	si	13	Tz	44.4	106.6	0.0
1- 1	si	9	Ty	20.5	0.0	108.1

PROGR. 12.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-7026.1	-5023.2	701.9	-50.8	482.3	-628.2
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	4	Sx	-266.9	0.0	9.7
1- 1	si	13	Tz	53.1	106.6	0.0
1- 1	si	9	Ty	23.8	0.0	108.1

PROGR. 14.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-8282.8	-5988.0	701.9	-50.8	482.5	-628.5
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	4	Sx	-315.6	0.0	9.7
1- 1	si	13	Tz	61.9	106.6	0.0
1- 1	si	9	Ty	27.1	0.0	108.2

PROGR. 16.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-9540.0	-6953.0	701.9	-50.8	482.6	-628.8
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	4	Sx	-364.3	0.0	9.7
1- 1	si	13	Tz	70.6	106.7	0.0
1- 1	si	9	Ty	30.5	0.0	108.2

VERIFICA STABILITA` :

Z | L0 = 16. | Ro = 3.48 | lm = 4.6 | Ncr= 16630861.7 | alfa(a)=0.2100 | ki=1.0000 |
Y | Lc = 16. | Ro = 3.48 | lm = 4.6 | Ncr= 16630861.7 | alfa(a)=0.2100 | ki=1.0000 |
Caso 1- 1 - Nodo 4 - Asse Z
Ned = -50.8 | Mzeq = -7155.0 | Myeq = -5214.8 | Ss = -274.0 (0.122)

CASSONE_S001 (1) stato limite ultimo - ASTA (133- 13) 155
PROGR. 0.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-11143.5	-3330.4	689.3	-115.8	-220.9	807.9
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	4	Sx	-323.9	0.0	9.5
1- 1	si	13	Tz	172.5	-97.0	0.0
1- 1	si	5	Ty	-79.8	0.0	-116.2
1- 1	si	14	Si	-315.8	55.8	0.0

PROGR. 2.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-9628.9	-2916.3	689.3	-115.8	-220.8	807.6
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	4	Sx	-281.6	0.0	9.5
1- 1	si	13	Tz	147.3	-96.9	0.0
1- 1	si	5	Ty	-70.7	0.0	-116.2
1- 1	si	14	Si	-274.5	55.8	0.0

PROGR. 4.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-8114.9	-2502.5	689.3	-115.8	-220.6	807.3
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	4	Sx	-239.4	0.0	9.5
1- 1	si	13	Tz	122.2	-96.9	0.0
1- 1	si	5	Ty	-61.6	0.0	-116.1
1- 1	si	14	Si	-233.3	55.8	0.0

PROGR. 6.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-6601.5	-2088.9	689.3	-115.8	-220.5	807.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	4	Sx	-197.2	0.0	9.5

1- 1	si	13	Tz	97.1	-96.9	0.0	193.8
1- 1	si	5	Ty	-52.6	0.0	-116.1	207.9
1- 1	si	14	Si	-192.1	55.8	0.0	215.0

PROGR. 8.

SOLLECITAZIONI :

Caso	1- 1	MZ	MY	MT	N	TZ	TY
1- 1	si	-5088.6	-1675.6	689.3	-115.8	-220.3	806.7

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-155.0	0.0	9.5	155.9
1- 1	si	13	Tz	72.0	-96.8	0.0	182.5
1- 1	si	5	TySi	-43.5	0.0	-116.1	205.7

PROGR. 9.

SOLLECITAZIONI :

Caso	1- 1	MZ	MY	MT	N	TZ	TY
1- 1	si	-3576.2	-1262.6	689.3	-115.8	-220.2	806.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-112.8	0.0	9.5	114.0
1- 1	si	13	Tz	46.9	-96.8	0.0	174.1
1- 1	si	5	TySi	-34.5	0.0	-116.0	203.9

PROGR. 11.

SOLLECITAZIONI :

Caso	1- 1	MZ	MY	MT	N	TZ	TY
1- 1	si	-2064.4	-849.9	689.3	-115.8	-220.1	806.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-70.7	0.0	9.5	72.6
1- 1	si	13	Tz	21.9	-96.7	0.0	169.0
1- 1	si	5	TySi	-25.4	0.0	-116.0	202.5

PROGR. 13.

SOLLECITAZIONI :

Caso	1- 1	MZ	MY	MT	N	TZ	TY
1- 1	si	-553.2	-437.4	689.3	-115.8	-219.9	805.9

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-28.5	0.0	9.5	33.0
1- 1	si	13	Tz	-3.2	-96.7	0.0	167.5
1- 1	si	5	TySi	-16.4	0.0	-116.0	201.5

PROGR. 15.

SOLLECITAZIONI :

Caso	1- 1	MZ	MY	MT	N	TZ	TY
1- 1	si	957.5	-25.2	689.3	-115.8	-219.8	805.6

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-28.3	0.0	9.5	32.8
1- 1	si	13	Tz	-28.3	-96.7	0.0	169.8
1- 1	si	5	TySi	-7.4	0.0	-115.9	200.9

VERIFICA STABILITA' :

Z | L0 = 15. |
 Y | LC = 15. | Ro = 3.48 | Im = 4.3 | Ncr= 18922224.9 | alfa(a)=0.2100 | ki=1.0000 |
 Caso 1- 1 - Nodo 4 - Asse Z
 Ned = -115.8 | Mzeq = -8357.6 | Myeq = -2497.8 | ss = -244.6 (0.109)

CASSONE_S002 (2) stato limite ultimo - ASTA (127- 100) 6
PROGR. 0.

SOLLECITAZIONI :

Caso	1- 1	MZ	MY	MT	N	TZ	TY
1- 1	si	0.0	0.0	0.0	242.8	4.7	415.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	12.8	0.0	0.0	12.8
1- 1	si	14	Tz	12.8	31.3	0.0	55.8
1- 1	si	5	TySi	12.8	0.0	-49.1	85.9

PROGR. 6.

SOLLECITAZIONI :

Caso	1- 1	MZ	MY	MT	N	TZ	TY
1- 1	si	2593.2	-29.2	0.0	242.3	4.7	414.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	58.5	0.0	0.0	58.5
1- 1	si	14	Tz	57.5	31.3	0.0	79.0
1- 1	si	5	Ty	12.2	0.0	-48.9	85.6
1- 1	si	6	Si	13.3	0.0	-48.9	85.8

PROGR. 13.

SOLLECITAZIONI :

Caso	1- 1	MZ	MY	MT	N	TZ	TY
1- 1	si	5179.6	-58.4	0.0	241.7	4.7	412.9

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	104.1	0.0	0.0	104.1
1- 1	si	14	Tz	102.2	31.2	0.0	115.6
1- 1	si	5	Ty	11.7	0.0	-48.8	85.3
1- 1	si	16	Si	104.0	-30.4	0.0	116.6

PROGR. 19.

SOLLECITAZIONI :

Caso	1- 1	MZ	MY	MT	N	TZ	TY
1- 1	si	7759.2	-87.6	0.0	241.2	4.7	411.8

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	149.6	0.0	0.0	149.6
1- 1	si	14	Tz	146.7	31.1	0.0	156.3
1- 1	si	5	Ty	11.2	0.0	-48.7	85.1
1- 1	si	16	Si	149.4	-30.3	0.0	158.4

PROGR. 25.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	10332.0	-116.9	0.0	240.7	4.7	410.7

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	195.0	0.0	0.0	195.0
1- 1	si	14	Tz	191.1	31.0	0.0	198.5
1- 1	si	5	Ty	10.6	0.0	-48.6	84.8
1- 1	si	16	Si	194.8	-30.2	0.0	201.7

PROGR. 31.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	12898.0	-146.1	0.0	240.1	4.7	409.6

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	240.2	0.0	0.0	240.2
1- 1	si	14	Tz	235.4	30.9	0.0	241.4
1- 1	si	5	Ty	10.1	0.0	-48.4	84.5
1- 1	si	16	Si	240.0	-30.2	0.0	245.6

PROGR. 38.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	15457.1	-175.3	0.0	239.6	4.7	408.6

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	285.3	0.0	0.0	285.3
1- 1	si	14	Tz	279.5	30.9	0.0	284.6
1- 1	si	5	Ty	9.6	0.0	-48.3	84.2
1- 1	si	16	Si	285.0	-30.1	0.0	289.8

PROGR. 44.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	18009.5	-204.5	0.0	239.1	4.7	407.5

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	330.4	0.0	0.0	330.4
1- 1	si	14	Tz	323.6	30.8	0.0	327.9
1- 1	si	5	Ty	9.0	0.0	-48.2	83.9
1- 1	si	16	Si	330.0	-30.0	0.0	334.1

PROGR. 50.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	20555.1	-233.7	0.0	238.5	4.7	406.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	375.3	0.0	0.0	375.3
1- 1	si	14	Tz	367.5	30.7	0.0	371.3
1- 1	si	5	Ty	8.5	0.0	-48.0	83.6
1- 1	si	16	Si	374.8	-29.9	0.0	378.4

VERIFICA STABILITA` :

L0 = 50.
 Z LC = 50. | Ro = 3.88 | m = 12.9 | Ncr= 2375909.8 | alfa(a)=0.2100 | ki=1.0000 |
 Y LC = 50. | Ro = 3.88 | m = 12.9 | Ncr= 2375909.8 | alfa(a)=0.2100 | ki=1.0000 |
 Caso 4-12 - Nodo 2 - Asse Z
 Ned = -19.2 | Mzeq = 3566.5 | Myeq = 52.8 | Ss = -64.2 (0.029)

CASSONE_S002 (2) stato limite ultimo - ASTA (128- 104) 7
PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	0.0	0.0	167.2	-4.9	702.7

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	8.8	0.0	0.0	8.8
1- 1	si	13	Tz	8.8	-52.8	0.0	91.9
1- 1	si	5	TySi	8.8	0.0	-83.1	144.1

PROGR. 6.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	4392.4	30.4	0.0	166.7	-4.9	701.6

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	85.9	0.0	0.0	85.9
1- 1	si	13	Tz	-67.4	-52.7	0.0	113.5
1- 1	si	5	TySi	9.3	0.0	-82.9	143.9

PROGR. 13.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	8777.9	60.8	0.0	166.1	-4.9	700.5

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	163.0	0.0	0.0	163.0
1- 1	si	13	Tz	-143.4	-52.7	0.0	170.0
1- 1	si	5	Ty	9.8	0.0	-82.8	143.8

1- 1 si 14	Si	162.8	51.8	0.0	186.0		
-----							19.
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	13156.7	91.3	0.0	165.6	-4.9	699.4	
TENSIONI (Sz= 0.00) :							
Caso Vel No	massimi	Sx	Tz	Ty	Si		
1- 1 si 4	Sx	239.9	0.0	0.0	239.9		
1- 1 si 13	Tz	-219.4	-52.6	0.0	237.5		
1- 1 si 5	Ty	10.3	0.0	-82.7	143.6		
1- 1 si 14	Si	239.7	51.8	0.0	255.9		
-----							25.
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	17528.7	121.7	0.0	165.0	-4.9	698.4	
TENSIONI (Sz= 0.00) :							
Caso Vel No	massimi	Sx	Tz	Ty	Si		
1- 1 si 4	Sx	316.6	0.0	0.0	316.6		
1- 1 si 13	Tz	-295.2	-52.5	0.0	308.9		
1- 1 si 5	Ty	10.8	0.0	-82.5	143.4		
1- 1 si 14	Si	316.4	51.7	0.0	328.8		
-----							31.
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	21893.8	152.1	0.0	164.5	-4.9	697.3	
TENSIONI (Sz= 0.00) :							
Caso Vel No	massimi	Sx	Tz	Ty	Si		
1- 1 si 4	Sx	393.3	0.0	0.0	393.3		
1- 1 si 13	Tz	-370.9	-52.4	0.0	381.9		
1- 1 si 5	Ty	11.3	0.0	-82.4	143.2		
1- 1 si 14	Si	393.0	51.6	0.0	403.1		
-----							38.
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	26252.1	182.5	0.0	164.0	-4.9	696.2	
TENSIONI (Sz= 0.00) :							
Caso Vel No	massimi	Sx	Tz	Ty	Si		
1- 1 si 4	Sx	469.8	0.0	0.0	469.8		
1- 1 si 13	Tz	-446.5	-52.3	0.0	455.6		
1- 1 si 5	Ty	11.8	0.0	-82.3	143.0		
1- 1 si 14	Si	469.5	51.5	0.0	477.9		
-----							44.
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	30603.7	213.0	0.0	163.4	-4.9	695.1	
TENSIONI (Sz= 0.00) :							
Caso Vel No	massimi	Sx	Tz	Ty	Si		
1- 1 si 4	Sx	546.3	0.0	0.0	546.3		
1- 1 si 13	Tz	-522.0	-52.2	0.0	529.8		
1- 1 si 5	Ty	12.3	0.0	-82.2	142.8		
1- 1 si 14	Si	545.9	51.4	0.0	553.1		
-----							50.
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	34948.4	243.4	0.0	162.9	-4.9	694.0	
TENSIONI (Sz= 0.00) :							
Caso Vel No	massimi	Sx	Tz	Ty	Si		
1- 1 si 4	Sx	622.6	0.0	0.0	622.6		
1- 1 si 13	Tz	-597.3	-52.2	0.0	604.1		
1- 1 si 5	Ty	12.8	0.0	-82.0	142.7		
1- 1 si 14	Si	622.1	51.4	0.0	628.5		

VERIFICA STABILITA` :							
Z	LO = 50.	Ro = 3.88	lm = 12.9	Ncr= 2375909.8	alfa(a)=0.2100	ki=1.0000	
Y	LC = 50.	Ro = 3.88	lm = 12.9	Ncr= 2375909.8	alfa(a)=0.2100	ki=1.0000	
Caso 4-12 - Nodo 2 - Asse Z							
Ned = -14.7 Mzeq = 5045.1 Myeq = 103.4 Ss = -90.6 (0.040)							
CASSONE_S002 (2) stato limite ultimo - ASTA (129- 84)							8
-----							0.
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	0.0	0.0	0.0	449.4	-26.0	544.3	
TENSIONI (Sz= 0.00) :							
Caso Vel No	massimi	Sx	Tz	Ty	Si		
1- 1 si 1	Sx	23.7	0.0	0.0	23.7		
1- 1 si 13	Tz	23.7	-42.8	0.0	77.7		
1- 1 si 5	TySi	23.7	0.0	-64.3	113.9		
-----							6.
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	3401.4	162.9	0.0	448.9	-26.0	543.2	
TENSIONI (Sz= 0.00) :							
Caso Vel No	massimi	Sx	Tz	Ty	Si		
1- 1 si 4	Sx	85.8	0.0	0.0	85.8		
1- 1 si 13	Tz	-33.2	-42.7	0.0	81.0		
1- 1 si 5	TySi	26.5	0.0	-64.2	114.3		
-----							13.
SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	

1- 1	1	6795.9	325.9	0.0	448.3	-26.0	542.1
TENSIONI (Sz= 0.00) :							
Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	147.9	0.0	0.0	147.9
1- 1	si	13	Tz	-89.9	-42.6	0.0	116.3
1- 1	si	5	Ty	29.3	0.0	-64.1	114.8
1- 1	si	14	Si	147.3	38.3	0.0	161.5
----- PROGR.							19.

SOLLECITAZIONI :							
Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	209.8	0.0	0.0	209.8
1- 1	si	13	Tz	-146.4	-42.5	0.0	163.9
1- 1	si	5	Ty	32.1	0.0	-64.0	115.3
1- 1	si	14	Si	208.9	38.2	0.0	219.1
----- PROGR.							25.

SOLLECITAZIONI :							
Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	271.6	0.0	0.0	271.6
1- 1	si	13	Tz	-202.9	-42.4	0.0	215.8
1- 1	si	5	Ty	34.9	0.0	-63.8	115.9
1- 1	si	14	Si	270.4	38.1	0.0	278.4
----- PROGR.							31.

SOLLECITAZIONI :							
Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	333.3	0.0	0.0	333.3
1- 1	si	13	Tz	-259.2	-42.3	0.0	269.4
1- 1	si	5	Ty	37.7	0.0	-63.7	116.6
1- 1	si	14	Si	331.8	38.0	0.0	338.3
----- PROGR.							38.

SOLLECITAZIONI :							
Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	394.8	0.0	0.0	394.8
1- 1	si	13	Tz	-315.4	-42.3	0.0	323.8
1- 1	si	5	Ty	40.5	0.0	-63.6	117.3
1- 1	si	14	Si	393.1	38.0	0.0	398.6
----- PROGR.							44.

SOLLECITAZIONI :							
Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	456.3	0.0	0.0	456.3
1- 1	si	13	Tz	-371.5	-42.2	0.0	378.7
1- 1	si	5	Ty	43.4	0.0	-63.4	118.1
1- 1	si	14	Si	454.3	37.9	0.0	459.0
----- PROGR.							50.

SOLLECITAZIONI :							
Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	517.6	0.0	0.0	517.6
1- 1	si	13	Tz	-427.5	-42.1	0.0	433.7
1- 1	si	5	Ty	46.2	0.0	-63.3	119.0
1- 1	si	14	Si	515.3	37.8	0.0	519.5
----- PROGR.							56.

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

CASSONE_S002 (2) stato limite ultimo - ASTA (118- 119) 9
----- PROGR. 0.

SOLLECITAZIONI :							
Caso	Vel	No	massimi	Sx	Tz	Ty	Si
4- 4	si	1	Sx	0.9	0.0	0.0	0.9
1- 1	si	13	Tz	-0.2	-12.0	0.0	20.8
1- 1	si	5	Ty	-0.2	0.0	-16.8	29.2
----- PROGR.							6.

SOLLECITAZIONI :							
Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-17.6	0.0	0.0	17.6
1- 1	si	13	Tz	-14.2	-11.9	0.0	25.0
1- 1	si	5	Ty	1.6	0.0	-16.7	29.0
1- 1	si	6	Si	-2.0	0.0	-16.7	29.0
----- PROGR.							13.

SOLLECITAZIONI :
 Caso | MZ | MY | MT | N | TZ | TY |
 1- 1 | 1780.5 | 206.7 | 0.0 | -4.3 | -16.4 | 140.3 |
 TENSIONI (Sz= 0.00) :
 Caso | Vel | No | massimi | Sx | Tz | Ty | Si |
 1- 1 | si | 2 | Sx | -34.9 | 0.0 | 0.0 | 34.9 |
 1- 1 | si | 13 | Tz | -28.0 | -11.8 | 0.0 | 34.7 |
 1- 1 | si | 5 | Ty | 3.4 | 0.0 | -16.6 | 28.9 |
 1- 1 | si | 15 | Si | -34.5 | 9.1 | 0.0 | 38.0 |

----- PROGR. 19.

SOLLECITAZIONI :
 Caso | MZ | MY | MT | N | TZ | TY |
 1- 1 | 2660.4 | 310.0 | 0.0 | -4.9 | -16.4 | 139.2 |
 TENSIONI (Sz= 0.00) :
 Caso | Vel | No | massimi | Sx | Tz | Ty | Si |
 1- 1 | si | 2 | Sx | -52.1 | 0.0 | 0.0 | 52.1 |
 1- 1 | si | 13 | Tz | -41.8 | -11.7 | 0.0 | 46.5 |
 1- 1 | si | 5 | Ty | 5.2 | 0.0 | -16.5 | 29.0 |
 1- 1 | si | 15 | Si | -51.5 | 9.0 | 0.0 | 53.9 |

----- PROGR. 25.

SOLLECITAZIONI :
 Caso | MZ | MY | MT | N | TZ | TY |
 1- 1 | 3533.5 | 413.4 | 0.0 | -5.4 | -16.4 | 138.1 |
 TENSIONI (Sz= 0.00) :
 Caso | Vel | No | massimi | Sx | Tz | Ty | Si |
 1- 1 | si | 2 | Sx | -69.1 | 0.0 | 0.0 | 69.1 |
 1- 1 | si | 13 | Tz | -55.4 | -11.7 | 0.0 | 59.0 |
 1- 1 | si | 5 | Ty | 6.9 | 0.0 | -16.3 | 29.1 |
 1- 1 | si | 15 | Si | -68.4 | 8.9 | 0.0 | 70.2 |

----- PROGR. 31.

SOLLECITAZIONI :
 Caso | MZ | MY | MT | N | TZ | TY |
 1- 1 | 4399.6 | 516.7 | 0.0 | -5.9 | -16.4 | 137.0 |
 TENSIONI (Sz= 0.00) :
 Caso | Vel | No | massimi | Sx | Tz | Ty | Si |
 1- 1 | si | 2 | Sx | -86.1 | 0.0 | 0.0 | 86.1 |
 1- 1 | si | 13 | Tz | -69.0 | -11.6 | 0.0 | 71.8 |
 1- 1 | si | 5 | Ty | 8.7 | 0.0 | -16.2 | 29.4 |
 1- 1 | si | 15 | Si | -85.2 | 8.9 | 0.0 | 86.6 |

----- PROGR. 38.

SOLLECITAZIONI :
 Caso | MZ | MY | MT | N | TZ | TY |
 1- 1 | 5258.8 | 620.0 | 0.0 | -6.5 | -16.4 | 136.0 |
 TENSIONI (Sz= 0.00) :
 Caso | Vel | No | massimi | Sx | Tz | Ty | Si |
 1- 1 | si | 2 | Sx | -102.9 | 0.0 | 0.0 | 102.9 |
 1- 1 | si | 13 | Tz | -82.4 | -11.5 | 0.0 | 84.7 |
 1- 1 | si | 5 | Ty | 10.5 | 0.0 | -16.1 | 29.7 |
 1- 1 | si | 15 | Si | -101.8 | 8.8 | 0.0 | 103.0 |

----- PROGR. 44.

SOLLECITAZIONI :
 Caso | MZ | MY | MT | N | TZ | TY |
 1- 1 | 6111.1 | 723.4 | 0.0 | -7.0 | -16.4 | 134.9 |
 TENSIONI (Sz= 0.00) :
 Caso | Vel | No | massimi | Sx | Tz | Ty | Si |
 1- 1 | si | 2 | Sx | -119.6 | 0.0 | 0.0 | 119.6 |
 1- 1 | si | 13 | Tz | -95.6 | -11.4 | 0.0 | 97.7 |
 1- 1 | si | 5 | Ty | 12.3 | 0.0 | -15.9 | 30.2 |

----- PROGR. 50.

SOLLECITAZIONI :
 Caso | MZ | MY | MT | N | TZ | TY |
 1- 1 | 6956.6 | 826.7 | 0.0 | -7.6 | -16.4 | 133.8 |
 TENSIONI (Sz= 0.00) :
 Caso | Vel | No | massimi | Sx | Tz | Ty | Si |
 1- 1 | si | 2 | Sx | -136.2 | 0.0 | 0.0 | 136.2 |
 1- 1 | si | 13 | Tz | -108.8 | -11.3 | 0.0 | 110.5 |
 1- 1 | si | 5 | Ty | 14.0 | 0.0 | -15.8 | 30.8 |

 VERIFICA STABILITA` :

Z | L0 = 50. | Ro = 3.88 | Im = 13.0 | Ncr= 2344433.7 | alfa(a)=0.2100 | ki=1.0000 |
 Y | Lc = 50. | Ro = 3.88 | Im = 13.0 | Ncr= 2344433.7 | alfa(a)=0.2100 | ki=1.0000 |
 Caso 1- 1 - Nodo 2 - Asse Z
 Ned = -7.6 | Mzeq = 5217.4 | Myeq = 620.0 | Ss = -102.2 (0.046)

CASSONE_S002 (2) ----- stato limite ultimo - ASTA (101- 90) 10
 ----- PROGR. 0.

SOLLECITAZIONI :
 Caso | MZ | MY | MT | N | TZ | TY |
 1- 1 | 0.0 | 0.0 | 0.0 | 110.5 | -22.4 | 155.7 |
 TENSIONI (Sz= 0.00) :
 Caso | Vel | No | massimi | Sx | Tz | Ty | Si |
 1- 1 | si | 1 | Sx | 5.8 | 0.0 | 0.0 | 5.8 |
 1- 1 | si | 13 | Tz | 5.8 | -13.5 | 0.0 | 24.0 |
 1- 1 | si | 5 | Ty | 5.8 | 0.0 | -18.4 | 32.4 |

----- PROGR. 6.

SOLLECITAZIONI :
 Caso | MZ | MY | MT | N | TZ | TY |
 1- 1 | 976.8 | 141.1 | 0.0 | 110.0 | -22.4 | 154.6 |
 TENSIONI (Sz= 0.00) :
 Caso | Vel | No | massimi | Sx | Tz | Ty | Si |

1- 1	si	4	Sx	25.3	0.0	0.0	25.3
1- 1	si	13	Tz	-9.0	-13.4	0.0	24.9
1- 1	si	5	Ty	8.3	0.0	-18.3	32.7

PROGR. 13.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	1946.6	282.3	0.0	109.5	-22.4	153.5

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	44.6	0.0	0.0	44.6
1- 1	si	13	Tz	-23.8	-13.3	0.0	33.1
1- 1	si	5	Ty	10.7	0.0	-18.1	33.2
1- 1	si	14	Si	44.2	9.6	0.0	47.2

PROGR. 19.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	2909.6	423.4	0.0	108.9	-22.4	152.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	63.9	0.0	0.0	63.9
1- 1	si	13	Tz	-38.4	-13.2	0.0	44.7
1- 1	si	5	Ty	13.1	0.0	-18.0	33.9
1- 1	si	14	Si	63.1	9.5	0.0	65.3

PROGR. 25.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	3865.6	564.6	0.0	108.4	-22.4	151.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	83.0	0.0	0.0	83.0
1- 1	si	13	Tz	-52.9	-13.1	0.0	57.6
1- 1	si	5	Ty	15.6	0.0	-17.9	34.7
1- 1	si	14	Si	82.0	9.4	0.0	83.6

PROGR. 31.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	4814.8	705.7	0.0	107.8	-22.4	150.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	102.0	0.0	0.0	102.0
1- 1	si	13	Tz	-67.2	-13.1	0.0	71.0
1- 1	si	5	Ty	18.0	0.0	-17.8	35.6
1- 1	si	14	Si	100.8	9.3	0.0	102.1

PROGR. 38.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	5757.1	846.8	0.0	107.3	-22.4	149.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	120.9	0.0	0.0	120.9
1- 1	si	13	Tz	-81.5	-13.0	0.0	84.5
1- 1	si	5	Ty	20.4	0.0	-17.6	36.7

PROGR. 44.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	6692.5	988.0	0.0	106.8	-22.4	148.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	139.6	0.0	0.0	139.6
1- 1	si	13	Tz	-95.6	-12.9	0.0	98.2
1- 1	si	5	Ty	22.9	0.0	-17.5	38.0

PROGR. 50.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	7620.9	1129.1	0.0	106.2	-22.4	147.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	158.3	0.0	0.0	158.3
1- 1	si	13	Tz	-109.6	-12.8	0.0	111.9
1- 1	si	5	Ty	25.3	0.0	-17.4	39.3

VERIFICA STABILITA' :

L0 = 50.
 Z | Lc = 50. | Ro = 3.88 | Im = 13.0 | Ncr= 2344433.7 | alfa(a)=0.2100 | ki=1.0000 |
 Y | Lc = 50. | Ro = 3.88 | Im = 13.0 | Ncr= 2344433.7 | alfa(a)=0.2100 | ki=1.0000 |
 Caso 4-13 - Nodo 2 - Asse Z
 Ned = -11.4 | Mzeq = 1133.4 | Myeq = 187.3 | Ss = -23.6 (0.011)

CASSONE_S002 (2) stato limite ultimo - ASTA (122- 83)
PROGR. 11 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1875.4	-1138.2	1798.1	40.5	-74.7	59.7

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	54.7	0.0	19.9	64.7
1- 1	si	13	Tz	17.0	-30.6	0.0	55.6
1- 1	si	9	Ty	11.7	0.0	-30.4	54.0
1- 1	si	15	Si	52.7	-21.7	0.0	64.7

PROGR. 4.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1630.6	-830.0	1798.1	40.2	-74.7	59.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	45.0	0.0	19.9
1- 1	si	13	Tz	17.5	-30.5	0.0
1- 1	si	9	Ty	13.2	0.0	-30.4
1- 1	si	7	Si	30.6	-28.8	0.0

PROGR. 8.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1388.8	-521.9	1798.1	39.8	-74.7	58.3
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	35.4	0.0	19.9
1- 1	si	13	Tz	18.1	-30.5	0.0
1- 1	si	9	Ty	14.8	0.0	-30.3
1- 1	si	7	Si	26.3	-28.8	0.0

PROGR. 12.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1149.9	-213.7	1798.1	39.5	-74.7	57.5
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	25.9	0.0	19.9
1- 1	si	13	Tz	18.8	-30.4	0.0
1- 1	si	9	Ty	16.4	0.0	-30.3

PROGR. 17.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-914.0	94.5	1798.1	39.1	-74.7	56.8
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	1	Sx	19.7	0.0	19.9
1- 1	si	13	Tz	19.5	-30.4	0.0
1- 1	si	9	Ty	18.1	0.0	-30.2

PROGR. 21.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-681.1	402.6	1798.1	38.7	-74.7	56.1
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	1	Sx	20.9	0.0	19.9
1- 1	si	13	Tz	20.2	-30.3	0.0
1- 1	si	9	Ty	19.8	0.0	-30.1

PROGR. 25.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-451.1	710.8	1798.1	38.4	-74.7	55.4
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	1	Sx	22.3	0.0	19.9
1- 1	si	13	Tz	21.1	-30.2	0.0
1- 1	si	9	Ty	21.5	0.0	-30.1

PROGR. 29.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-224.1	1019.0	1798.1	38.0	-74.7	54.7
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	1	Sx	23.7	0.0	19.9
1- 1	si	13	Tz	21.9	-30.2	0.0
1- 1	si	9	Ty	23.3	0.0	-30.0

PROGR. 33.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	1327.1	1798.1	37.7	-74.7	54.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	4	Sx	25.1	0.0	19.9
1- 1	si	13	Tz	22.8	-30.1	0.0
1- 1	si	9	Ty	25.1	0.0	-30.0

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

CASSONE_S002 (2) stato limite ultimo - ASTA (123- 121) 12
PROGR. 0.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-2428.3	-2788.8	0.0	26.6	-84.5	76.4
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	92.4	0.0	0.0
1- 1	si	13	Tz	0.0	-12.7	0.0
1- 1	si	9	Ty	-9.1	0.0	-12.6

PROGR. 4.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-2114.4	-2440.2	0.0	26.3	-84.5	75.7
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	80.8	0.0	0.0

1- 1	si	13	Tz	0.0	-12.7	0.0	21.9
1- 1	si	9	Ty	-8.0	0.0	-12.6	23.2

PROGR. 8.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1803.4	-2091.6	0.0	25.9	-84.5	75.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	69.3	0.0	69.3
1- 1	si	13	Tz	Ty	0.0	-12.6	21.8
1- 1	si	9	Ty	Si	-6.8	0.0	-12.5

PROGR. 12.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1495.5	-1743.0	0.0	25.6	-84.5	74.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	57.8	0.0	57.8
1- 1	si	13	Tz	Ty	0.1	-12.5	21.7
1- 1	si	9	Ty	Si	-5.6	0.0	-12.5

PROGR. 17.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1190.4	-1394.4	0.0	25.2	-84.5	73.6

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	46.4	0.0	46.4
1- 1	si	13	Tz	Ty	0.2	-12.5	21.6
1- 1	si	9	Ty	Si	-4.3	0.0	-12.4

PROGR. 21.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-888.4	-1045.8	0.0	24.9	-84.5	72.9

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	35.1	0.0	35.1
1- 1	si	13	Tz	Ty	0.4	-12.4	21.5
1- 1	si	9	Ty	Si	-3.0	0.0	-12.3

PROGR. 25.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-589.3	-697.2	0.0	24.5	-84.5	72.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	23.7	0.0	23.7
1- 1	si	13	Tz	Ty	0.6	-12.4	21.5
1- 1	si	9	Ty	Si	-1.6	0.0	-12.3

PROGR. 29.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-293.2	-348.6	0.0	24.2	-84.5	71.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	12.5	0.0	12.5
1- 1	si	13	Tz	Ty	0.9	-12.3	21.4
1- 1	si	9	Ty	Si	-0.2	0.0	-12.2
1- 1	si	16	Si		1.6	-12.3	21.4

PROGR. 33.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	0.0	0.0	23.8	-84.5	70.7

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	Si	1.3	0.0	1.3
1- 1	si	13	Tz	Ty	1.3	-12.3	21.3
1- 1	si	9	Ty	Si	1.3	0.0	-12.2
1- 1	si	16	Si		1.3	-12.3	21.3

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

CASSONE_S002 (2) stato limite ultimo - ASTA (124- 117) 13
PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-2071.7	-4086.3	0.0	32.4	-123.8	65.6

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	109.1	0.0	109.1
1- 1	si	13	Tz	Ty	-26.3	-15.2	37.2
1- 1	si	9	Ty	Si	-37.1	0.0	-14.7

PROGR. 4.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1802.4	-3575.5	0.0	32.0	-123.8	64.9

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	95.5	0.0	95.5
1- 1	si	13	Tz	Ty	-23.0	-15.1	34.8
1- 1	si	9	Ty	Si	-32.4	0.0	-14.6

PROGR. 8.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
------	----	----	----	---	----	----

1- 1	-1536.0	-3064.7	0.0	31.7	-123.8	64.2
TENSIONI (Sz=	0.00) :					
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	Si		
1- 1	si	13	Tz			
1- 1	si	9	Ty			

SOLLECITAZIONI	:					
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1272.6	-2553.9	0.0	31.3	-123.8	63.5

TENSIONI (Sz=	0.00) :					
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	Si		
1- 1	si	13	Tz			
1- 1	si	9	Ty			

SOLLECITAZIONI	:					
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1012.2	-2043.1	0.0	31.0	-123.8	62.8

TENSIONI (Sz=	0.00) :					
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	Si		
1- 1	si	13	Tz			
1- 1	si	9	Ty			

SOLLECITAZIONI	:					
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-754.7	-1532.3	0.0	30.6	-123.8	62.1

TENSIONI (Sz=	0.00) :					
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	Si		
1- 1	si	13	Tz			
1- 1	si	9	Ty			

SOLLECITAZIONI	:					
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-500.2	-1021.6	0.0	30.3	-123.8	61.3

TENSIONI (Sz=	0.00) :					
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	Si		
1- 1	si	13	Tz			
1- 1	si	9	Ty			
1- 1	si	10	Si			

SOLLECITAZIONI	:					
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-248.6	-510.8	0.0	29.9	-123.8	60.6

TENSIONI (Sz=	0.00) :					
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	Si		
1- 1	si	13	Tz			
1- 1	si	9	Ty			
1- 1	si	16	Si			

SOLLECITAZIONI	:					
Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	0.0	0.0	29.5	-123.8	59.9

TENSIONI (Sz=	0.00) :					
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	1	Sx	Si		
1- 1	si	13	Tz			
1- 1	si	9	Ty			

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

CASSONE_S002 (2) stato limite ultimo - ASTA (125- 116) 14 0.

SOLLECITAZIONI	:					
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-4210.2	-6547.7	0.0	39.7	-198.4	130.4

TENSIONI (Sz=	0.00) :					
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	Si		
1- 1	si	13	Tz			
1- 1	si	9	Ty			

SOLLECITAZIONI	:					
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-3673.5	-5729.2	0.0	39.3	-198.4	129.7

TENSIONI (Sz=	0.00) :					
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	Si		
1- 1	si	13	Tz			
1- 1	si	9	Ty			

SOLLECITAZIONI	:					
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-3139.9	-4910.7	0.0	39.0	-198.4	129.0

TENSIONI (Sz=	0.00) :					
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	Si		
1- 1	si	13	Tz			

1- 1 si 9	Ty	-34.3	0.0	-25.5	55.9	
-----						12.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-2609.2	-4092.3	0.0	38.6	-198.4	128.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 2	Sx	Si		119.0	0.0	0.0	119.0
1- 1 si 13	Tz			-16.7	-26.0	0.0	48.0
1- 1 si 9	Ty			-28.4	0.0	-25.4	52.4

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-2081.4	-3273.8	0.0	38.3	-198.4	127.6

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 2	Sx	Si		95.4	0.0	0.0	95.4
1- 1 si 13	Tz			-13.1	-26.0	0.0	46.8
1- 1 si 9	Ty			-22.4	0.0	-25.4	49.3

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1556.6	-2455.4	0.0	37.9	-198.4	126.8

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 2	Sx	Si		72.0	0.0	0.0	72.0
1- 1 si 13	Tz			-9.4	-25.9	0.0	45.8
1- 1 si 9	Ty			-16.4	0.0	-25.3	46.8

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1034.8	-1636.9	0.0	37.6	-198.4	126.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 2	Sx	Si		48.6	0.0	0.0	48.6
1- 1 si 13	Tz			-5.7	-25.8	0.0	45.1
1- 1 si 9	Ty			-10.3	0.0	-25.2	44.9

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-515.9	-818.5	0.0	37.2	-198.4	125.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 2	Sx	Si		25.2	0.0	0.0	25.2
1- 1 si 13	Tz			-1.9	-25.8	0.0	44.7
1- 1 si 9	Ty			-4.2	0.0	-25.2	43.8
1- 1 si 16	Si			5.8	-25.8	0.0	45.1

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	0.0	0.0	36.9	-198.4	124.7

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 2	Sx	Si		1.9	0.0	0.0	1.9
1- 1 si 13	Tz			1.9	-25.7	0.0	44.6
1- 1 si 9	Ty			1.9	0.0	-25.1	43.6

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

CASSONE_S002 (2)	stato limite ultimo	- ASTA (126- 82)	15
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SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-93.5	15357.9	-4921.9	27.5	481.4	5.7

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 1	Sx	Si		271.0	0.0	54.5	287.0
1- 1 si 7	Tz			3.1	111.4	0.0	193.0
1- 1 si 10	Ty			-265.0	0.0	-90.9	308.3
1- 1 si 9	Si			270.9	0.0	90.0	312.5

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-71.4	13371.9	-4921.9	27.1	481.4	5.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 1	Sx	Si		236.0	0.0	54.5	254.2
1- 1 si 7	Tz			2.7	111.4	0.0	193.0
1- 1 si 10	Ty			-230.7	0.0	-90.9	279.3
1- 1 si 9	Si			235.8	0.0	90.0	282.7

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-52.4	11385.9	-4921.9	26.8	481.4	4.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 1	Sx	Si		201.0	0.0	54.5	222.1
1- 1 si 7	Tz			2.3	111.4	0.0	193.0
1- 1 si 10	Ty			-196.4	0.0	-90.8	251.6
1- 1 si 9	Si			200.9	0.0	90.1	254.4

SOLLECITAZIONI :

-----						12.
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Caso	MZ	MY	MT	N	TZ	TY
1- 1	-36.2	9399.9	-4921.9	26.4	481.4	3.5
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	1	Sx	166.0	0.0	54.5
1- 1	si	7	Tz	2.0	111.4	0.0
1- 1	si	10	Ty	-162.0	0.0	-90.7
1- 1	si	9	Si	166.0	0.0	90.1

PROGR. 17.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-23.1	7413.9	-4921.9	26.0	481.4	2.8
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	1	Sx	131.1	0.0	54.5
1- 1	si	7	Tz	1.8	111.4	0.0
1- 1	si	10	Ty	-127.6	0.0	-90.7
1- 1	si	11	Si	130.4	0.0	-90.7

PROGR. 21.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-12.9	5427.8	-4921.9	25.7	481.4	2.1
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	1	Sx	96.3	0.0	54.5
1- 1	si	7	Tz	1.6	111.4	0.0
1- 1	si	10	Ty	-93.1	0.0	-90.6

PROGR. 25.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-5.6	3441.8	-4921.9	25.3	481.4	1.4
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	1	Sx	61.5	0.0	54.5
1- 1	si	7	Tz	1.4	111.4	0.0
1- 1	si	10	Ty	-58.6	0.0	-90.6

PROGR. 29.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1.3	1455.8	-4921.9	25.0	481.4	0.7
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	1	Sx	26.7	0.0	54.5
1- 1	si	7	Tz	1.3	111.4	0.0
1- 1	si	10	Ty	-24.1	0.0	-90.5

PROGR. 33.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-530.2	-4921.9	24.6	481.4	0.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	10.5	0.0	54.5
1- 1	si	7	Tz	1.3	111.4	0.0
1- 1	si	9	Ty	-8.0	0.0	90.4

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

CASSONE_S002 (2) stato limite ultimo - ASTA (84- 85) 51
PROGR. 0.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	27020.4	-1081.8	-503.5	372.0	-43.7	416.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	3	Sx	509.9	0.0	5.6
1- 1	si	13	Tz	-468.8	-40.2	0.0
1- 1	si	5	Ty	0.7	0.0	-54.7
1- 1	si	16	Si	508.0	-40.2	0.0

PROGR. 6.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	29612.2	-808.9	-503.5	371.5	-43.7	414.9
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	3	Sx	550.3	0.0	5.6
1- 1	si	13	Tz	-509.8	-40.1	0.0
1- 1	si	5	Ty	5.4	0.0	-54.6
1- 1	si	16	Si	548.9	-40.1	0.0

PROGR. 12.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	32197.1	-536.0	-503.5	370.9	-43.7	413.8
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	3	Sx	590.6	0.0	5.6
1- 1	si	13	Tz	-550.6	-40.1	0.0
1- 1	si	5	Ty	10.2	0.0	-54.5
1- 1	si	16	Si	589.7	-40.1	0.0

PROGR. 19.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	34775.4	-263.2	-503.5	370.4	-43.7	412.7

TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	3	Sx	630.8	0.0	5.6	630.9		
1- 1	si	13	Tz	-591.4	-40.0	0.0	595.4		
1- 1	si	5	Ty	14.9	0.0	-54.4	95.3		
1- 1	si	16	Si	630.3	-40.0	0.0	634.1		
								PROGR.	25.
SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		37346.8		9.7	-503.5	369.9	-43.7	411.6	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx	671.2	0.0	5.6	671.3		
1- 1	si	13	Tz	-632.0	-39.9	0.0	635.7		
1- 1	si	5	Ty	19.6	0.0	-54.2	96.0		
1- 1	si	16	Si	670.9	-39.9	0.0	674.5		
								PROGR.	31.
SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		39911.5		282.6	-503.5	369.3	-43.7	410.5	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx	720.7	0.0	5.6	720.8		
1- 1	si	13	Tz	-672.5	-39.8	0.0	676.0		
1- 1	si	5	Ty	24.4	0.0	-54.1	96.8		
1- 1	si	14	Si	720.2	32.6	0.0	722.4		
								PROGR.	37.
SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		42469.3		555.5	-503.5	368.8	-43.7	409.5	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx	770.1	0.0	5.6	770.1		
1- 1	si	13	Tz	-712.8	-39.7	0.0	716.1		
1- 1	si	5	Ty	29.1	0.0	-54.0	97.9		
1- 1	si	14	Si	769.1	32.5	0.0	771.1		
								PROGR.	44.
SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		45020.5		828.3	-503.5	368.3	-43.7	408.4	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx	819.3	0.0	5.6	819.4		
1- 1	si	13	Tz	-753.1	-39.7	0.0	756.2		
1- 1	si	5	Ty	33.8	0.0	-53.8	99.2		
1- 1	si	14	Si	817.9	32.4	0.0	819.8		
								PROGR.	50.
SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		47564.8		1101.2	-503.5	367.7	-43.7	407.3	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx	868.4	0.0	5.6	868.5		
1- 1	si	13	Tz	-793.2	-39.6	0.0	796.2		
1- 1	si	5	Ty	38.6	0.0	-53.7	100.7		
VERIFICA STABILITA` : asta tesa per tutti i casi di carico.									
CASSONE_S002 (2) stato limite ultimo - ASTA (85- 86) 54									
								PROGR.	0.
SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		47564.8		-1282.7	-649.8	295.3	-57.0	285.1	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	3	Sx	867.8	0.0	7.2	867.9		
1- 1	si	13	Tz	-834.5	-33.2	0.0	836.4		
1- 1	si	5	Ty	-6.8	0.0	-40.9	71.2		
								PROGR.	6.
SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		49345.1		-926.3	-649.8	294.8	-57.0	284.0	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	3	Sx	892.6	0.0	7.2	892.7		
1- 1	si	13	Tz	-859.9	-33.1	0.0	861.9		
1- 1	si	5	Ty	-0.6	0.0	-40.8	70.6		
1- 1	si	16	Si	891.0	-33.1	0.0	892.8		
								PROGR.	13.
SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		51118.5		-569.9	-649.8	294.3	-57.0	283.0	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	3	Sx	917.3	0.0	7.2	917.4		
1- 1	si	13	Tz	-885.3	-33.0	0.0	887.2		
1- 1	si	5	Ty	5.5	0.0	-40.6	70.6		
1- 1	si	16	Si	916.3	-33.0	0.0	918.1		
								PROGR.	19.
SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		52885.2		-213.5	-649.8	293.7	-57.0	281.9	

TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	3	Sx	941.9	0.0	7.2	942.0		
1- 1	si	13	Tz	-910.6	-32.9	0.0	912.4		
1- 1	si	5	Ty	11.7	0.0	-40.5	71.2		
1- 1	si	16	Si	941.5	-32.9	0.0	943.2		
								PROGR.	25.
SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		54645.1		142.9	-649.8	293.2	-57.0	280.8	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx	971.3	0.0	7.2	971.4		
1- 1	si	13	Tz	-935.7	-32.9	0.0	937.4		
1- 1	si	5	Ty	17.9	0.0	-40.4	72.2		
1- 1	si	14	Si	971.1	23.4	0.0	971.9		
								PROGR.	31.
SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		56398.1		499.3	-649.8	292.7	-57.0	279.7	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx	1008.1	0.0	7.2	1008.2		
1- 1	si	13	Tz	-960.7	-32.8	0.0	962.4		
1- 1	si	5	Ty	24.1	0.0	-40.3	73.8		
								PROGR.	38.
SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		58144.4		855.7	-649.8	292.1	-57.0	278.6	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx	1044.7	0.0	7.2	1044.8		
1- 1	si	13	Tz	-985.6	-32.7	0.0	987.3		
1- 1	si	5	Ty	30.3	0.0	-40.1	75.8		
								PROGR.	44.
SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		59883.8		1212.0	-649.8	291.6	-57.0	277.5	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx	1081.3	0.0	7.2	1081.4		
1- 1	si	13	Tz	-1010.4	-32.6	0.0	1012.0		
1- 1	si	5	Ty	36.5	0.0	-40.0	78.3		
								PROGR.	50.
SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		61616.4		1568.4	-649.8	291.1	-57.0	276.4	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx	1117.7	0.0	7.2	1117.8		
1- 1	si	13	Tz	-1035.1	-32.5	0.0	1036.6		
1- 1	si	5	Ty	42.7	0.0	-39.9	81.2		
VERIFICA STABILITA` : asta tesa per tutti i casi di carico.									
CASSONE_S002 (2) stato limite ultimo - ASTA (86- 87) 56									
								PROGR.	0.
SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		61616.4		-812.3	-536.5	218.1	-35.8	153.7	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	3	Sx	1100.7	0.0	5.9	1100.7		
1- 1	si	13	Tz	-1076.3	-20.4	0.0	1076.9		
1- 1	si	5	Ty	-2.7	0.0	-24.1	41.8		
								PROGR.	6.
SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		62573.4		-588.7	-536.5	217.5	-35.8	152.6	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	3	Sx	1113.4	0.0	5.9	1113.5		
1- 1	si	13	Tz	-1089.5	-20.3	0.0	1090.1		
1- 1	si	5	Ty	1.2	0.0	-24.0	41.5		
								PROGR.	13.
SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		63523.6		-365.1	-536.5	217.0	-35.8	151.5	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	3	Sx	1126.1	0.0	5.9	1126.1		
1- 1	si	13	Tz	-1102.6	-20.2	0.0	1103.2		
1- 1	si	5	Ty	5.1	0.0	-23.9	41.6		
								PROGR.	19.
SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		64467.0		-141.4	-536.5	216.5	-35.8	150.4	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	3	Sx	1138.6	0.0	5.9	1138.7		
1- 1	si	13	Tz	-1115.6	-20.1	0.0	1116.1		
1- 1	si	5	Ty	8.9	0.0	-23.7	42.0		

1- 1 si 16		Si		1138.4	-20.1	0.0	1138.9	25.
----- PROGR.								
SOLLECITAZIONI :								
Caso	MZ		MY	MT	N	TZ	TY	
1- 1	65403.6		82.2	-536.5	215.9	-35.8	149.3	
TENSIONI (Sz= 0.00) :								
Caso	Ve No	massimi	Sx	Tz	Ty	Si		
1- 1 si 4	Sx	Si	1153.9	0.0	5.9	1153.9		
1- 1 si 13	Tz		-1128.4	-20.0	0.0	1129.0		
1- 1 si 5	Ty		12.8	0.0	-23.6	42.8		
1- 1 si 14	Si		1153.7	14.1	0.0	1154.0		
----- PROGR.								31.
SOLLECITAZIONI :								
Caso	MZ		MY	MT	N	TZ	TY	
1- 1	66333.4		305.8	-536.5	215.4	-35.8	148.2	
TENSIONI (Sz= 0.00) :								
Caso	Ve No	massimi	Sx	Tz	Ty	Si		
1- 1 si 4	Sx	Si	1174.0	0.0	5.9	1174.0		
1- 1 si 13	Tz		-1141.2	-20.0	0.0	1141.7		
1- 1 si 5	Ty		16.7	0.0	-23.5	43.9		
----- PROGR.								38.
SOLLECITAZIONI :								
Caso	MZ		MY	MT	N	TZ	TY	
1- 1	67256.4		529.5	-536.5	214.9	-35.8	147.1	
TENSIONI (Sz= 0.00) :								
Caso	Ve No	massimi	Sx	Tz	Ty	Si		
1- 1 si 4	Sx	Si	1194.0	0.0	5.9	1194.0		
1- 1 si 13	Tz		-1153.8	-19.9	0.0	1154.3		
1- 1 si 5	Ty		20.5	0.0	-23.3	45.3		
----- PROGR.								44.
SOLLECITAZIONI :								
Caso	MZ		MY	MT	N	TZ	TY	
1- 1	68172.6		753.1	-536.5	214.3	-35.8	146.0	
TENSIONI (Sz= 0.00) :								
Caso	Ve No	massimi	Sx	Tz	Ty	Si		
1- 1 si 4	Sx	Si	1213.8	0.0	5.9	1213.9		
1- 1 si 13	Tz		-1166.3	-19.8	0.0	1166.8		
1- 1 si 5	Ty		24.4	0.0	-23.2	47.0		
----- PROGR.								50.
SOLLECITAZIONI :								
Caso	MZ		MY	MT	N	TZ	TY	
1- 1	69082.0		976.7	-536.5	213.8	-35.8	145.0	
TENSIONI (Sz= 0.00) :								
Caso	Ve No	massimi	Sx	Tz	Ty	Si		
1- 1 si 4	Sx	Si	1233.6	0.0	5.9	1233.6		
1- 1 si 13	Tz		-1178.7	-19.7	0.0	1179.2		
1- 1 si 5	Ty		28.3	0.0	-23.1	49.0		

VERIFICA STABILITA` : asta tesa per tutti i casi di carico.								
CASSONE_S002 (2) stato limite ultimo - ASTA (87- 88)								
----- PROGR.								58
SOLLECITAZIONI :								
Caso	MZ		MY	MT	N	TZ	TY	
1- 1	69082.0		-1399.5	-273.9	141.3	-54.6	20.6	
TENSIONI (Sz= 0.00) :								
Caso	Ve No	massimi	Sx	Tz	Ty	Si		
1- 1 si 3	Sx	Si	1237.1	0.0	3.0	1237.1		
1- 1 si 7	Tz		-1197.8	-9.5	0.0	1197.9		
1- 1 si 9	Ty		-1101.7	0.0	-8.8	1101.8		
----- PROGR.								6.
SOLLECITAZIONI :								
Caso	MZ		MY	MT	N	TZ	TY	
1- 1	69207.7		-1057.7	-273.9	140.8	-54.6	19.6	
TENSIONI (Sz= 0.00) :								
Caso	Ve No	massimi	Sx	Tz	Ty	Si		
1- 1 si 3	Sx	Si	1233.3	0.0	3.0	1233.3		
1- 1 si 7	Tz		-1200.1	-9.5	0.0	1200.2		
1- 1 si 9	Ty		-1097.8	0.0	-8.7	1097.9		
----- PROGR.								12.
SOLLECITAZIONI :								
Caso	MZ		MY	MT	N	TZ	TY	
1- 1	69326.6		-716.0	-273.9	140.3	-54.6	18.5	
TENSIONI (Sz= 0.00) :								
Caso	Ve No	massimi	Sx	Tz	Ty	Si		
1- 1 si 3	Sx	Si	1229.4	0.0	3.0	1229.4		
1- 1 si 7	Tz		-1202.2	-9.5	0.0	1202.3		
1- 1 si 9	Ty		-1093.7	0.0	-8.6	1093.8		
----- PROGR.								19.
SOLLECITAZIONI :								
Caso	MZ		MY	MT	N	TZ	TY	
1- 1	69438.7		-374.2	-273.9	139.7	-54.6	17.4	
TENSIONI (Sz= 0.00) :								
Caso	Ve No	massimi	Sx	Tz	Ty	Si		
1- 1 si 3	Sx	Si	1225.4	0.0	3.0	1225.4		
1- 1 si 7	Tz		-1204.1	-9.5	0.0	1204.3		
1- 1 si 9	Ty		-1089.5	0.0	-8.5	1089.6		
----- PROGR.								25.
SOLLECITAZIONI :								
Caso	MZ		MY	MT	N	TZ	TY	
1- 1	69544.0		-32.4	-273.9	139.2	-54.6	16.3	
TENSIONI (Sz= 0.00) :								

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	1221.2	0.0	3.0	1221.2
1- 1	si	7	Tz	-1206.0	-9.5	0.0	1206.1
1- 1	si	9	Ty	-1085.2	0.0	-8.5	1085.3
1- 1	si	16	Si	1221.2	-8.8	0.0	1221.3

PROGR. 31.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	69642.5	309.4	-273.9	138.7	-54.6	15.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	1227.7	0.0	3.0	1227.8
1- 1	si	7	Tz	-1207.8	-9.5	0.0	1207.9
1- 1	si	9	Ty	-1080.8	0.0	-8.4	1080.9

PROGR. 37.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	69734.2	651.2	-273.9	138.1	-54.6	14.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	1235.3	0.0	3.0	1235.3
1- 1	si	7	Tz	-1209.4	-9.5	0.0	1209.5
1- 1	si	9	Ty	-1076.4	0.0	-8.3	1076.4

PROGR. 44.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	69819.0	992.9	-273.9	137.6	-54.6	13.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	1242.7	0.0	3.0	1242.7
1- 1	si	7	Tz	-1210.9	-9.5	0.0	1211.0
1- 1	si	9	Ty	-1071.8	0.0	-8.2	1071.8

PROGR. 50.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	69897.1	1334.7	-273.9	137.0	-54.6	11.9

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	1250.0	0.0	3.0	1250.0
1- 1	si	7	Tz	-1212.3	-9.5	0.0	1212.4
1- 1	si	9	Ty	-1067.0	0.0	-8.1	1067.1

VERIFICA STABILITA' :

L0 = 50. | Ro = 3.88 | lm = 12.9 | Ncr= 2375909.9 | alfa(a)=0.2100 | ki=1.0000 |
 Z | Lc = 50. | Ro = 3.88 | lm = 12.9 | Ncr= 2375909.9 | alfa(a)=0.2100 | ki=1.0000 |
 Y | Lc = 50. | Ro = 3.88 | lm = 12.9 | Ncr= 2375909.9 | alfa(a)=0.2100 | ki=1.0000 |
 Caso 5- 4 - Nodo 1 - Asse Z
 Ned = -5.2 | Mzeq = 14037.5 | Myeq = -413.4 | Ss = -252.4 (0.113)

CASSONE_S002 (2) stato limite ultimo - ASTA (88- 110) 60 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	69897.1	-1035.2	6.0	64.6	-19.2	-111.7

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	1240.9	0.0	0.1	1240.9
1- 1	si	14	Tz	1206.6	-10.0	0.0	1206.8
1- 1	si	5	Ty	-14.7	0.0	13.3	27.3

PROGR. 6.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	69201.3	-916.0	6.0	64.0	-19.2	-112.8

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	1226.7	0.0	0.1	1226.7
1- 1	si	14	Tz	1196.3	-10.1	0.0	1196.5
1- 1	si	5	Ty	-12.6	0.0	13.4	26.4

PROGR. 12.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	68498.7	-796.9	6.0	63.5	-19.2	-113.9

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	1212.3	0.0	0.1	1212.3
1- 1	si	14	Tz	1185.9	-10.2	0.0	1186.1
1- 1	si	5	Ty	-10.6	0.0	13.5	25.7

PROGR. 19.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	67789.5	-677.7	6.0	63.0	-19.2	-114.9

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	1197.9	0.0	0.1	1197.9
1- 1	si	14	Tz	1175.4	-10.2	0.0	1175.5
1- 1	si	5	Ty	-8.5	0.0	13.7	25.1

PROGR. 25.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	67073.6	-558.5	6.0	62.5	-19.2	-116.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx Si	1183.3	0.0	0.1	1183.3
1- 1	si	14	Tz	1164.7	-10.3	0.0	1164.9
1- 1	si	5	Ty	-6.5	0.0	13.8	24.7

PROGR. 31.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	66351.0	-439.4	6.0	61.9	-19.2	-117.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx Si	1168.5	0.0	0.1	1168.5
1- 1	si	14	Tz	1154.0	-10.4	0.0	1154.1
1- 1	si	5	Ty	-4.4	0.0	13.9	24.5

PROGR. 37.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	65621.7	-320.2	6.0	61.4	-19.2	-118.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx Si	1153.7	0.0	0.1	1153.7
1- 1	si	14	Tz	1143.1	-10.5	0.0	1143.2
1- 1	si	5	Ty	-2.4	0.0	14.0	24.4

PROGR. 43.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	64885.7	-201.1	6.0	60.9	-19.2	-119.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx Si	1138.8	0.0	0.1	1138.8
1- 1	si	14	Tz	1132.1	-10.6	0.0	1132.3
1- 1	si	5	Ty	-0.3	0.0	14.2	24.5

PROGR. 50.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	64143.1	-81.9	6.0	60.3	-19.2	-120.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx Si	1123.7	0.0	0.1	1123.7
1- 1	si	14	Tz	1121.0	-10.6	0.0	1121.1
1- 1	si	5	Ty	1.7	0.0	14.3	24.8

VERIFICA STABILITA' :

L0 = 50.
 Z LC = 50. Ro = 3.88 lm = 12.8 Ncr= 2408024.2 alfa(a)=0.2100 ki=1.0000
 Y LC = 50. Ro = 3.88 lm = 12.8 Ncr= 2408024.2 alfa(a)=0.2100 ki=1.0000
 Caso 4-13 - Nodo 2 - Asse Z
 Ned = -6.0 Mzeq = 14930.2 Myeq = 144.9 Ss = -263.3 (0.118)

CASSONE_S002 (2) stato limite ultimo - ASTA (110- 112) 62
PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	64143.1	-81.9	6.1	-20.7	10.3	-244.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-1121.6	0.0	0.1	1121.6
1- 1	si	13	Tz Si	-1121.5	19.1	0.0	1122.0
1- 1	si	5	Ty	-2.5	0.0	28.9	50.1

PROGR. 6.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	62604.0	-147.0	6.1	-21.3	10.3	-245.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-1095.9	0.0	0.1	1095.9
1- 1	si	13	Tz Si	-1095.7	19.2	0.0	1096.2
1- 1	si	5	Ty	-3.7	0.0	29.0	50.4

PROGR. 13.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	61058.0	-212.1	6.1	-21.8	10.3	-246.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-1070.1	0.0	0.1	1070.1
1- 1	si	13	Tz Si	-1069.8	19.3	0.0	1070.3
1- 1	si	5	Ty	-4.8	0.0	29.2	50.7

PROGR. 19.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	59505.1	-277.1	6.1	-22.3	10.3	-247.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-1044.2	0.0	0.1	1044.2
1- 1	si	13	Tz Si	-1043.7	19.4	0.0	1044.2
1- 1	si	5	Ty	-6.0	0.0	29.3	51.1

PROGR. 25.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	57945.2	-342.2	6.1	-22.9	10.3	-248.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
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1- 1	si	1	Sx	Si	-1018.1	0.0	0.1	1018.1
1- 1	si	13	Tz		-1017.5	19.4	0.0	1018.1
1- 1	si	5	Ty		-7.2	0.0	29.4	51.5

PROGR. 31.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		56378.5		-407.3		6.1		-23.4		10.3		-249.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx		Tz		Ty		Si	
1- 1	si	1	Sx	Si	-992.0	0.0		0.1		992.0	
1- 1	si	13	Tz		-991.3	19.5		0.0		991.8	
1- 1	si	5	Ty		-8.3	0.0		29.6		51.9	

PROGR. 38.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		54805.0		-472.3		6.1		-24.0		10.3		-250.5

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx		Tz		Ty		Si	
1- 1	si	1	Sx	Si	-965.7	0.0		0.1		965.7	
1- 1	si	13	Tz		-964.9	19.6		0.0		965.5	
1- 1	si	5	Ty		-9.5	0.0		29.7		52.3	

PROGR. 44.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		53224.5		-537.4		6.1		-24.5		10.3		-251.6

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx		Tz		Ty		Si	
1- 1	si	1	Sx	Si	-939.3	0.0		0.1		939.3	
1- 1	si	13	Tz		-938.3	19.7		0.0		939.0	
1- 1	si	5	Ty		-10.7	0.0		29.8		52.7	

PROGR. 50.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		51637.1		-602.5		6.1		-25.0		10.3		-252.7

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx		Tz		Ty		Si	
1- 1	si	1	Sx	Si	-912.7	0.0		0.1		912.7	
1- 1	si	13	Tz		-911.7	19.8		0.0		912.3	
1- 1	si	5	Ty		-11.8	0.0		29.9		53.2	

VERIFICA STABILITA' :

L0 = 50.
 Z LC = 50. | Ro = 3.88 | m = 13.0 | Ncr= 2344433.7 | alfa(a)=0.2100 | ki=1.0000 |
 Y LC = 50. | Ro = 3.88 | m = 13.0 | Ncr= 2344433.7 | alfa(a)=0.2100 | ki=1.0000 |
 Caso 1- 1 - Nodo 1 - Asse Z
 Ned = -25.0 | Mzeq = 64143.1 | Myeq = -451.9 | Ss = -1128.3 (0.504)

CASSONE_S002 (2) stato limite ultimo - ASTA (112- 103) 64
PROGR. 0.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		51637.1		-602.5		5.6		-84.9		-27.4		-373.9

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx		Tz		Ty		Si	
1- 1	si	1	Sx		-915.9	0.0		0.1		915.9	
1- 1	si	14	Tz		887.0	-30.2		0.0		888.5	
1- 1	si	5	Ty		-15.0	0.0		44.3		78.1	
1- 1	si	13	Si		-914.8	25.7		0.0		915.9	

PROGR. 6.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		49295.0		-431.0		5.6		-85.4		-27.4		-374.9

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx		Tz		Ty		Si	
1- 1	si	1	Sx		-872.1	0.0		0.1		872.1	
1- 1	si	14	Tz		848.8	-30.3		0.0		850.4	
1- 1	si	5	Ty		-12.0	0.0		44.4		77.8	
1- 1	si	13	Si		-871.3	25.8		0.0		872.5	

PROGR. 13.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		46946.1		-259.6		5.6		-86.0		-27.4		-376.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx		Tz		Ty		Si	
1- 1	si	1	Sx		-828.1	0.0		0.1		828.1	
1- 1	si	14	Tz		810.5	-30.4		0.0		812.2	
1- 1	si	5	Ty		-9.1	0.0		44.5		77.6	
1- 1	si	13	Si		-827.7	25.8		0.0		828.9	

PROGR. 19.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		44590.4		-88.1		5.6		-86.5		-27.4		-377.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx		Tz		Ty		Si	
1- 1	si	1	Sx		-784.1	0.0		0.1		784.1	
1- 1	si	14	Tz		772.0	-30.5		0.0		773.8	
1- 1	si	5	Ty		-6.1	0.0		44.6		77.6	
1- 1	si	13	Si		-783.9	25.9		0.0		785.2	

PROGR. 25.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
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1- 1		42227.9		83.4		5.6		-87.0		-27.4		-378.2					
TENSIONI (Sz= 0.00) :																	
Caso		Vel		No		massimi		Sx		Tz		Ty		Si			
1- 1		si		2		Sx		-742.8		0.0		0.1		742.8			
1- 1		si		14		Tz		733.5		-30.5		0.0		735.4			
1- 1		si		5		Ty		-3.1		0.0		44.8		77.6			
1- 1		si		15		Si		-742.6		-30.5		0.0		744.5			
-----														PROGR.		31.	

SOLLECITAZIONI :										PROGR.										38.									
Caso		MZ		MY		MT		N		TZ		TY																	
1- 1		39858.6		254.8		5.6		-87.6		-27.4		-379.3																	
TENSIONI (Sz= 0.00) :																													
Caso		Vel		No		massimi		Sx		Tz		Ty		Si															
1- 1		si		2		Sx		-704.5		0.0		0.1		704.5															
1- 1		si		14		Tz		694.8		-30.6		0.0		696.8															
1- 1		si		5		Ty		-0.2		0.0		44.9		77.8															
1- 1		si		15		Si		-704.0		-30.6		0.0		706.0															
										----- PROGR.										38.									

SOLLECITAZIONI :										PROGR.										44.																			
Caso		MZ				MY				MT				N				TZ				TY																	
1- 1		37482.5				426.3				5.6				-88.1				-27.4				-380.4																	
TENSIONI (Sz= 0.00) :																																							
Caso		Vel		No		massimi				Sx				Tz				Ty				Si																	
1- 1		si		2		Sx				-666.0				0.0				0.1				666.0																	
1- 1		si		14		Tz				656.0				-30.7				0.0				658.2																	
1- 1		si		5		Ty				2.8				0.0				45.0				78.0																	
1- 1		si		15		Si				-665.3				-30.7				0.0				667.4																	
										-----										PROGR.										44.									

SOLLECITAZIONI :										PROGR.										50.																			
Caso	MZ					MY					MT					N					TZ					TY													
1- 1	35099.6					597.7					5.6					-88.6					-27.4					-381.5													
TENSIONI (Sz= 0.00) :																																							
Caso	Vel	No	massimi			Sx					Tz					Ty					Si																		
1- 1	si	2	Sx			-627.5					0.0					0.1					627.5																		
1- 1	si	14	Tz			617.1					-30.8					0.0					619.4																		
1- 1	si	5	Ty			5.8					0.0					45.2					78.4																		
1- 1	si	15	Si			-626.4					-30.8					0.0					628.7																		
										-----										PROGR.										50.									

SOLLECITAZIONI :										PRODUCT										SOFT									
Caso		MZ				MY				MT				N				TZ				TY							
1- 1		32709.9				769.2				5.6				-89.2				-27.4				-382.6							
TENSIONI (Sz= 0.00) :																													
Caso		Vel		No		massimi				Sx				Tz				Ty				Si							
1- 1		si		2		Sx				-588.8				0.0				0.1				588.8							
1- 1		si		14		Tz				578.1				-30.9				0.0				580.5							
1- 1		si		5		Ty				8.7				0.0				45.3				78.9							
1- 1		si		15		Si				-587.5				-30.9				0.0				589.9							

VERIFICA STABILITA' :

L0 = 50.
 Z | Lc = 50. | Ro = 3.88 | Im = 12.9 | Ncr= 2375909.8 | alfa(a)=0.2100 | ki=1.0000 |
 Y | Lc = 50. | Ro = 3.88 | Im = 12.9 | Ncr= 2375909.8 | alfa(a)=0.2100 | ki=1.0000 |
 Caso 1- 1 - Nodo 2 - Asse Z
 Ned = -89.2 | Mzeq = 51637.1 | Myeq = 576.9 | Ss = -915.7 (0.409)

CASSONE_S002 (2) stato limite ultimo - ASTA (103- 115) 66
----- PROGR. 0.

SOLLECITAZIONI :										PROGR.		0.								
Caso			MZ			MY			MT			N			TZ			TY		
1- 1			32709.9			769.2			4.9			-150.3			55.5			-505.8		
TENSIONI (Sz= 0.00) :																				
Caso	Vel	No	massimi		Sx			Tz			Ty			Si						
1- 1	si	2	Sx		-592.0			0.0			0.1			592.0						
1- 1	si	13	Tz		-566.5			42.4			0.0			571.3						
1- 1	si	5	Ty		5.5			0.0			59.8			103.8						
1- 1	si	15	Si		-590.7			-33.2			0.0			593.5						
-----										PROGR.										6.

SOLLECITAZIONI :										PROGR.		0.	
Caso		MZ		MY		MT		N		TZ		TY	
1- 1		29551.2		423.1		4.9		-150.8		55.5		-506.8	
TENSIONI (Sz= 0.00) :													
Caso		Vel		No		massimi		Sx		Tz		Ty	
1- 1		si 2		Sx		-530.9		Tz		0.0		Ty	
1- 1		si 13		Tz		-516.9		42.5		0.0		530.9	
1- 1		si 5		Ty		-0.6		0.0		60.0		522.1	
1- 1		si 15		Si		-530.2		-33.3		0.0		103.9	
												533.3	
-----										PROGR.		13.	

SOLLECITAZIONI :										PROGR.		19.	
Caso			MZ		MY		MT		N		TZ		TY
1- 1			26385.7		77.0		4.9		-151.3		55.5		-507.9
TENSIONI (Sz= 0.00) :													
Caso	Vel	No	massimi		Sx		Tz		Ty		Si		
1- 1	si	2	Sx		-469.7		0.0		0.1		469.7		
1- 1	si	13	Tz		-467.1		42.5		0.0		472.9		
1- 1	si	5	Ty		-6.6		0.0		60.1		104.3		
1- 1	si	15	Si		-469.5		-33.3		0.0		473.1		
-----										PROGR.		19.	

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	23213.5	-269.1	4.9	-151.9	55.5	-509.0
TENSIONI (Sz=	0.00) :					

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-417.7	0.0	0.1	417.7
1- 1	si	13	Tz Si	-417.2	42.6	0.0	423.7
1- 1	si	5	Ty	-12.7	0.0	60.2	105.1

PROGR. 25.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	20034.5	-615.2	4.9	-152.4	55.5	-510.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-368.3	0.0	0.1	368.3
1- 1	si	13	Tz Si	-367.2	42.7	0.0	374.6
1- 1	si	5	Ty	-18.8	0.0	60.3	106.2

PROGR. 31.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	16848.7	-961.3	4.9	-152.9	55.5	-511.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-318.8	0.0	0.1	318.8
1- 1	si	13	Tz Si	-317.1	42.8	0.0	325.6
1- 1	si	5	Ty	-24.8	0.0	60.5	107.7

PROGR. 38.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	13656.2	-1307.4	4.9	-153.5	55.5	-512.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-269.1	0.0	0.1	269.1
1- 1	si	13	Tz Si	-266.9	42.9	0.0	277.0
1- 1	si	5	Ty	-30.9	0.0	60.6	109.4

PROGR. 44.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	10456.8	-1653.5	4.9	-154.0	55.5	-513.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-219.4	0.0	0.1	219.4
1- 1	si	13	Tz Si	-216.5	42.9	0.0	228.9
1- 1	si	5	Ty	-37.0	0.0	60.7	111.5

PROGR. 50.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	7250.7	-1999.6	4.9	-154.5	55.5	-514.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-169.5	0.0	0.1	169.5
1- 1	si	13	Tz Si	-166.0	43.0	0.0	182.0
1- 1	si	5	Ty	-43.0	0.0	60.9	113.9

VERIFICA STABILITA' :

L0 = 50.
 Z | Lc = 50. | Ro = 3.88 | lm = 12.9 | Ncr= 2375909.8 | alfa(a)=0.2100 | ki=1.0000 |
 Y | Lc = 50. | Ro = 3.88 | lm = 12.9 | Ncr= 2375909.8 | alfa(a)=0.2100 | ki=1.0000 |
 Caso 1- 1 - Nodo 1 - Asse Z
 Ned = -154.5 | Mzeq = 26021.3 | Myeq = -1499.7 | Ss = -488.3 (0.218)

CASSONE_S002 (2) stato limite ultimo - ASTA (115- 124) 68
PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	7250.7	-1999.6	2.7	-213.2	141.8	-632.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-172.6	0.0	0.0	172.6
1- 1	si	13	Tz Si	-169.1	58.9	0.0	197.5
1- 1	si	5	Ty	-46.1	0.0	74.8	137.5

PROGR. 2.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	6087.5	-2260.5	2.7	-213.4	141.8	-632.6

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-156.9	0.0	0.0	156.9
1- 1	si	13	Tz Si	-152.9	59.0	0.0	183.9
1- 1	si	5	Ty	-50.7	0.0	74.8	139.1

PROGR. 4.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	4923.7	-2521.3	2.7	-213.5	141.8	-633.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-141.1	0.0	0.0	141.1
1- 1	si	13	Tz Si	-136.7	59.0	0.0	170.7
1- 1	si	5	Ty	-55.2	0.0	74.8	140.9
1- 1	si	9	Si	-132.5	0.0	63.1	171.7

PROGR. 5.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	3759.2	-2782.1	2.7	-213.7	141.8	-633.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-125.4	0.0	0.0	125.4
1- 1	si	13	Tz	-120.5	59.0	0.0	158.0
1- 1	si	5	Ty	-59.8	0.0	74.9	142.8
1- 1	si	9	Si	-118.8	0.0	63.1	161.4

PROGR. 7.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	2594.2	-3042.9	2.7	-213.8	141.8	-633.6

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-109.6	0.0	0.0	109.6
1- 1	si	13	Tz	-104.3	59.0	0.0	146.1
1- 1	si	5	Ty	-64.3	0.0	74.9	144.8
1- 1	si	9	Si	-105.1	0.0	63.1	151.6

PROGR. 9.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	1428.6	-3303.8	2.7	-214.0	141.8	-633.9

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-93.8	0.0	0.0	93.8
1- 1	si	13	Tz	-88.1	59.1	0.0	135.0
1- 1	si	5	TySi	-68.9	0.0	75.0	147.0

PROGR. 11.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	262.5	-3564.6	2.7	-214.2	141.8	-634.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-78.0	0.0	0.0	78.0
1- 1	si	13	Tz	-71.8	59.1	0.0	125.0
1- 1	si	5	TySi	-73.5	0.0	75.0	149.2

PROGR. 13.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-904.3	-3825.4	2.7	-214.3	141.8	-634.6

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-93.8	0.0	0.0	93.8
1- 1	si	13	Tz	-55.6	59.1	0.0	116.5
1- 1	si	5	TySi	-78.0	0.0	75.0	151.6

PROGR. 15.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-2071.7	-4086.3	2.7	-214.5	141.8	-634.9

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-118.7	0.0	0.0	118.7
1- 1	si	13	Tz	-39.3	59.1	0.0	109.7
1- 1	si	5	TySi	-82.6	0.0	75.1	154.0

VERIFICA STABILITA` :

L0 = 15.
 Z LC = 15. | Ro = 3.88 | Im = 3.8 | Ncr= 27617092.9 | alfa(a)=0.2100 | ki=1.0000 |
 Y LC = 15. | Ro = 3.88 | Im = 3.8 | Ncr= 27617092.9 | alfa(a)=0.2100 | ki=1.0000 |
 Caso 1- 1 - Nodo 1 - Asse Z
 Ned = -214.5 | Mzeq = 5438.0 | Myeq = -3955.8 | Ss = -175.2 (0.078)

CASSONE_S002 (2) stato limite ultimo - ASTA (120- 123) 70
PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	1202.3	304.4	1.8	-159.6	210.2	-245.5

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-34.7	0.0	0.0	34.7
1- 1	si	13	Tz	-24.6	35.8	0.0	66.6
1- 1	si	9	Ty	-22.0	0.0	36.0	66.2

PROGR. 2.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	750.5	-82.3	1.8	-159.8	210.2	-245.8

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-22.9	0.0	0.0	22.9
1- 1	si	13	Tz	-22.8	35.8	0.0	66.0
1- 1	si	9	TySi	-21.6	0.0	36.1	66.1

PROGR. 4.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	298.2	-468.9	1.8	-159.9	210.2	-246.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-21.8	0.0	0.0	21.8
1- 1	si	13	Tz	-21.0	35.8	0.0	65.5
1- 1	si	9	TySi	-21.3	0.0	36.1	66.0

PROGR. 5.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-154.8	-855.6	1.8	-160.1	210.2	-246.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-26.1	0.0	0.0	26.1
1- 1	si	13	Tz	-19.2	35.8	0.0	64.9
1- 1	si	9	TySi	-20.9	0.0	36.1	66.0

----- PROGR. 7.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-608.3	-1242.2	1.8	-160.3	210.2	-246.7

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-40.7	0.0	0.0	40.7
1- 1	si	13	Tz	-17.3	35.8	0.0	64.5
1- 1	si	9	TySi	-20.6	0.0	36.1	65.9

----- PROGR. 9.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1062.4	-1628.9	1.8	-160.4	210.2	-247.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-55.4	0.0	0.0	55.4
1- 1	si	13	Tz	-15.5	35.9	0.0	64.0
1- 1	si	9	TySi	-20.2	0.0	36.2	65.8

----- PROGR. 11.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1517.1	-2015.5	1.8	-160.6	210.2	-247.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx Si	-70.1	0.0	0.0	70.1
1- 1	si	13	Tz	-13.6	35.9	0.0	63.6
1- 1	si	9	Ty	-19.8	0.0	36.2	65.8

----- PROGR. 13.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1972.4	-2402.2	1.8	-160.7	210.2	-247.7

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx Si	-84.8	0.0	0.0	84.8
1- 1	si	13	Tz	-11.8	35.9	0.0	63.3
1- 1	si	9	Ty	-19.4	0.0	36.2	65.7

----- PROGR. 15.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-2428.3	-2788.8	1.8	-160.9	210.2	-248.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx Si	-99.5	0.0	0.0	99.5
1- 1	si	13	Tz	-9.9	35.9	0.0	63.0
1- 1	si	9	Ty	-19.0	0.0	36.3	65.6

VERIFICA STABILITA' :

Z | L0 = 15. |
 Y | Lc = 15. | Ro = 3.88 | lm = 3.8 | Ncr= 27617092.9 | alfa(a)=0.2100 | ki=1.0000 |
 Caso 1- 1 - Nodo 4 - Asse Z
 Ned = -160.9 | Mzeq = -1821.2 | Myeq = -2091.6 | Ss = -76.7 (0.034)

CASSONE_S002 (2) stato limite ultimo - ASTA (102- 120) 72
 ----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	7326.7	-880.9	1.5	-108.2	-23.7	-118.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx Si	-148.9	0.0	0.0	148.9
1- 1	si	14	Tz	108.3	-10.8	0.0	109.9
1- 1	si	5	Ty	-21.1	0.0	14.0	32.1

----- PROGR. 6.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	6584.8	-732.7	1.5	-108.7	-23.7	-119.5

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx Si	-133.4	0.0	0.0	133.4
1- 1	si	14	Tz	97.7	-10.9	0.0	99.5
1- 1	si	5	Ty	-18.5	0.0	14.1	30.7

----- PROGR. 13.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	5836.2	-584.6	1.5	-109.3	-23.7	-120.5

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx Si	-117.8	0.0	0.0	117.8
1- 1	si	14	Tz	86.9	-11.0	0.0	88.9
1- 1	si	5	Ty	-15.9	0.0	14.3	29.4

----- PROGR. 19.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	5080.8	-436.4	1.5	-109.8	-23.7	-121.6

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-102.0	0.0	0.0	102.0
1- 1	si	14	Tz	76.0	-11.1	0.0	78.4
1- 1	si	5	Ty	-13.4	0.0	14.4	28.3

PROGR. 25.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	4318.7	-288.2	1.5	-110.3	-23.7	-122.7

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-86.2	0.0	0.0	86.2
1- 1	si	14	Tz	65.0	-11.1	0.0	67.8
1- 1	si	5	Ty	-10.8	0.0	14.5	27.4
1- 1	si	13	Si	-85.7	7.2	0.0	86.6

PROGR. 31.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	3549.7	-140.1	1.5	-110.9	-23.7	-123.8

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-70.2	0.0	0.0	70.2
1- 1	si	14	Tz	53.9	-11.2	0.0	57.3
1- 1	si	5	Ty	-8.3	0.0	14.6	26.7
1- 1	si	13	Si	-70.0	7.3	0.0	71.1

PROGR. 38.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	2774.0	8.1	1.5	-111.4	-23.7	-124.9

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-54.4	0.0	0.0	54.4
1- 1	si	14	Tz	42.7	-11.3	0.0	46.9
1- 1	si	5	Ty	-5.7	0.0	14.8	26.2
1- 1	si	15	Si	-54.4	-11.3	0.0	57.8

PROGR. 44.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	1991.5	156.2	1.5	-111.9	-23.7	-126.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-43.4	0.0	0.0	43.4
1- 1	si	14	Tz	31.3	-11.4	0.0	37.0
1- 1	si	5	Ty	-3.2	0.0	14.9	26.0
1- 1	si	15	Si	-43.1	-11.4	0.0	47.4

PROGR. 50.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	1202.3	304.4	1.5	-112.5	-23.7	-127.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-32.2	0.0	0.0	32.2
1- 1	si	14	Tz	19.8	-11.5	0.0	28.1
1- 1	si	5	Ty	-0.6	0.0	15.0	26.0
1- 1	si	15	Si	-31.7	-11.5	0.0	37.4

VERIFICA STABILITA' :

L0 = 50.
 Z | Lc = 50. | Ro = 3.88 | lm = 12.9 | Ncr= 2375909.8 | alfa(a)=0.2100 | ki=1.0000 |
 Y | Lc = 50. | Ro = 3.88 | lm = 12.9 | Ncr= 2375909.8 | alfa(a)=0.2100 | ki=1.0000 |
 Caso 1- 1 - Nodo 1 - Asse Z
 Ned = -112.5 | Mzeq = 5590.8 | Myeq = -660.6 | Ss = -115.0 (0.051)

CASSONE_S002 (2) stato limite ultimo - ASTA (119- 102) 74
PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	6956.6	826.7	0.7	-55.8	34.1	11.7

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-138.7	0.0	0.0	138.7
1- 1	si	7	Tz	-124.3	4.0	0.0	124.5
1- 1	si	10	Ty	-126.6	0.0	-3.5	126.7

PROGR. 6.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	7026.7	613.3	0.7	-56.4	34.1	10.7

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-136.3	0.0	0.0	136.3
1- 1	si	7	Tz	-125.6	4.0	0.0	125.8
1- 1	si	10	Ty	-124.0	0.0	-3.4	124.1

PROGR. 13.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	7089.9	399.8	0.7	-56.9	34.1	9.6

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-133.7	0.0	0.0	133.7
1- 1	si	7	Tz	-126.7	4.0	0.0	126.9
1- 1	si	10	Ty	-121.3	0.0	-3.3	121.4

PROGR. 19.

SOLLECITAZIONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	7146.4	186.4	0.7	-57.4	34.1	8.5			
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	Si	-131.0	0.0	0.0	131.0	
1- 1	si	7	Tz		-127.7	4.0	0.0	127.9	
1- 1	si	10	Ty		-118.5	0.0	-3.3	118.6	

PROGR. 25.

SOLLECITAZIONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	7196.1	-27.1	0.7	-58.0	34.1	7.4			
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	Si	-129.1	0.0	0.0	129.1	
1- 1	si	7	Tz		-128.6	4.0	0.0	128.8	
1- 1	si	10	Ty		-115.6	0.0	-3.2	115.7	
1- 1	si	13	Si		-129.0	2.3	0.0	129.1	

PROGR. 31.

SOLLECITAZIONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	7238.9	-240.5	0.7	-58.5	34.1	6.3			
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	Si	-133.6	0.0	0.0	133.6	
1- 1	si	7	Tz		-129.4	4.0	0.0	129.6	
1- 1	si	10	Ty		-112.5	0.0	-3.1	112.7	

PROGR. 38.

SOLLECITAZIONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	7275.0	-454.0	0.7	-59.0	34.1	5.2			
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	Si	-138.0	0.0	0.0	138.0	
1- 1	si	7	Tz		-130.0	4.0	0.0	130.2	
1- 1	si	10	Ty		-109.4	0.0	-3.0	109.5	

PROGR. 44.

SOLLECITAZIONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	7304.2	-667.4	0.7	-59.6	34.1	4.1			
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	Si	-142.2	0.0	0.0	142.2	
1- 1	si	7	Tz		-130.6	4.0	0.0	130.8	
1- 1	si	10	Ty		-106.2	0.0	-2.9	106.3	

PROGR. 50.

SOLLECITAZIONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	7326.7	-880.9	0.7	-60.1	34.1	3.0			
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	Si	-146.4	0.0	0.0	146.4	
1- 1	si	7	Tz		-131.0	4.0	0.0	131.2	
1- 1	si	10	Ty		-102.8	0.0	-2.8	103.0	

VERIFICA STABILITA' :

L0 = 50.
 Z | Lc = 50. | Ro = 3.88 | Im = 12.9 | Ncr= 2375909.8 | alfa(a)=0.2100 | ki=1.0000 |
 Y | Lc = 50. | Ro = 3.88 | Im = 12.9 | Ncr= 2375909.8 | alfa(a)=0.2100 | ki=1.0000 |
 Caso 1- 1 - Nodo 1 - Asse Z
 Ned = -60.1 | Mzeq = 7326.7 | Myeq = -660.6 | Ss = -142.5 (0.064)

CASSONE_S002 (2) stato limite ultimo - ASTA (89- 91) 76
PROGR. 0.

SOLLECITAZIONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	8241.7	-1521.4	1184.3	-49.0	-29.8	-122.0			
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	Si	-172.9	0.0	13.1	174.4	
1- 1	si	14	Tz		117.3	-24.7	0.0	124.9	
1- 1	si	5	Ty		-29.1	0.0	27.5	55.9	

PROGR. 6.

SOLLECITAZIONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	7477.2	-1335.4	1184.3	-49.6	-29.8	-123.1			
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	Si	-156.4	0.0	13.1	158.0	
1- 1	si	14	Tz		106.9	-24.8	0.0	115.2	
1- 1	si	5	Ty		-25.9	0.0	27.7	54.5	

PROGR. 13.

SOLLECITAZIONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	6705.9	-1149.4	1184.3	-50.1	-29.8	-124.2			
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	Si	-139.7	0.0	13.1	141.5	
1- 1	si	14	Tz		96.3	-24.9	0.0	105.5	
1- 1	si	5	Ty		-22.7	0.0	27.8	53.2	
1- 1	si	13	Si		-137.7	19.9	0.0	141.9	

----- PROGR.										19.
SOLLECITAZIONI :										
Caso		MZ		MY		MT		N	TZ	TY
1- 1		5927.8		-963.3		1184.3		-50.6	-29.8	-125.3
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx		Tz		Ty	Si	
1- 1	si	1	Sx	-122.9		0.0		13.1	125.0	
1- 1	si	14	Tz	85.6		-24.9		0.0	95.9	
1- 1	si	5	Ty	-19.5		0.0		27.9	52.1	
1- 1	si	13	Si	-121.2		20.0		0.0	126.1	
----- PROGR.										25.
SOLLECITAZIONI :										
Caso		MZ		MY		MT		N	TZ	TY
1- 1		5142.9		-777.3		1184.3		-51.2	-29.8	-126.3
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx		Tz		Ty	Si	
1- 1	si	1	Sx	-106.0		0.0		13.1	108.4	
1- 1	si	14	Tz	74.8		-25.0		0.0	86.5	
1- 1	si	5	Ty	-16.3		0.0		28.1	51.2	
1- 1	si	13	Si	-104.6		20.1		0.0	110.3	
----- PROGR.										31.
SOLLECITAZIONI :										
Caso		MZ		MY		MT		N	TZ	TY
1- 1		4351.3		-591.3		1184.3		-51.7	-29.8	-127.4
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx		Tz		Ty	Si	
1- 1	si	1	Sx	-89.0		0.0		13.1	91.8	
1- 1	si	14	Tz	63.9		-25.1		0.0	77.3	
1- 1	si	5	Ty	-13.0		0.0		28.2	50.5	
1- 1	si	13	Si	-87.9		20.2		0.0	94.6	
----- PROGR.										38.
SOLLECITAZIONI :										
Caso		MZ		MY		MT		N	TZ	TY
1- 1		3552.9		-405.3		1184.3		-52.2	-29.8	-128.5
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx		Tz		Ty	Si	
1- 1	si	1	Sx	-71.8		0.0		13.1	75.3	
1- 1	si	14	Tz	52.9		-25.2		0.0	68.5	
1- 1	si	5	Ty	-9.8		0.0		28.3	50.0	
1- 1	si	13	Si	-71.1		20.2		0.0	79.3	
----- PROGR.										44.
SOLLECITAZIONI :										
Caso		MZ		MY		MT		N	TZ	TY
1- 1		2747.7		-219.2		1184.3		-52.8	-29.8	-129.6
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx		Tz		Ty	Si	
1- 1	si	1	Sx	-54.5		0.0		13.1	59.1	
1- 1	si	14	Tz	41.7		-25.3		0.0	60.5	
1- 1	si	5	Ty	-6.6		0.0		28.4	49.7	
1- 1	si	13	Si	-54.2		20.3		0.0	64.6	
----- PROGR.										50.
SOLLECITAZIONI :										
Caso		MZ		MY		MT		N	TZ	TY
1- 1		1935.7		-33.2		1184.3		-53.3	-29.8	-130.7
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx		Tz		Ty	Si	
1- 1	si	1	Sx	-37.2		0.0		13.1	43.6	
1- 1	si	14	Tz	30.4		-25.3		0.0	53.4	
1- 1	si	5	Ty	-3.4		0.0		28.6	49.6	
1- 1	si	15	Si	-36.1		-25.3		0.0	56.8	

VERIFICA STABILITA` :										
L0 = 50.										
Z	LC = 50.	Ro = 3.88	Im = 12.9	Ncr= 2375909.8	alfa(a)=0.2100	ki=1.0000				
Y	LC = 50.	Ro = 3.88	Im = 12.9	Ncr= 2375909.8	alfa(a)=0.2100	ki=1.0000				
Caso 1- 1 - Nodo 1 - Asse Z										
Ned = -53.3 Mzeq = 6662.3 Myeq = -1141.1 Ss = -139.0 (0.062)										
CASSONE_S002 (2) stato limite ultimo - ASTA (90- 89)										78
----- PROGR.										0.
SOLLECITAZIONI :										
Caso		MZ		MY		MT		N	TZ	TY
1- 1		7620.9		-1482.5		560.9		30.6	-51.3	16.8
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx		Tz		Ty	Si	
1- 1	si	3	Sx	160.4		0.0		6.2	160.8	
1- 1	si	7	Tz	-131.3		-12.3		0.0	133.1	
1- 1	si	9	Ty	-143.9		0.0		-11.4	145.3	
----- PROGR.										6.
SOLLECITAZIONI :										
Caso		MZ		MY		MT		N	TZ	TY
1- 1		7722.4		-1161.5		560.9		30.1	-51.3	15.7
TENSIONI (Sz= 0.00) :										
Caso	Ve	No	massimi	Sx		Tz		Ty	Si	
1- 1	si	3	Sx	156.6		0.0		6.2	156.9	
1- 1	si	7	Tz	-133.1		-12.3		0.0	134.8	
1- 1	si	9	Ty	-139.9		0.0		-11.3	141.3	
----- PROGR.										13.
SOLLECITAZIONI :										
Caso		MZ		MY		MT		N	TZ	TY
1- 1		7817.0		-840.4		560.9		29.6	-51.3	14.6

TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	3	Sx	152.6	0.0	6.2	153.0		
1- 1	si	7	Tz	-134.8	-12.3	0.0	136.5		
1- 1	si	9	Ty	-135.9	0.0	-11.3	137.2		

PROGR. 19.

SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		7904.8		-519.4	560.9	29.0	-51.3	13.5	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	3	Sx	148.5	0.0	6.2	148.9		
1- 1	si	7	Tz	-136.4	-12.3	0.0	138.0		
1- 1	si	9	Ty	-131.7	0.0	-11.2	133.1		
1- 1	si	16	Si	147.6	-11.5	0.0	148.9		

PROGR. 25.

SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		7985.8		-198.3	560.9	28.5	-51.3	12.4	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	3	Sx	144.3	0.0	6.2	144.7		
1- 1	si	7	Tz	-137.8	-12.3	0.0	139.5		
1- 1	si	9	Ty	-127.4	0.0	-11.1	128.8		
1- 1	si	16	Si	143.9	-11.4	0.0	145.3		

PROGR. 31.

SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		8060.0		122.7	560.9	28.0	-51.3	11.3	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx	144.2	0.0	6.2	144.6		
1- 1	si	7	Tz	-139.2	-12.3	0.0	140.8		
1- 1	si	9	Ty	-122.9	0.0	-11.0	124.4		
1- 1	si	14	Si	144.0	-9.6	0.0	145.0		

PROGR. 38.

SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		8127.4		443.8	560.9	27.4	-51.3	10.2	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx	151.0	0.0	6.2	151.4		
1- 1	si	7	Tz	-140.4	-12.3	0.0	142.0		
1- 1	si	9	Ty	-118.4	0.0	-10.9	119.9		

PROGR. 44.

SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		8187.9		764.8	560.9	26.9	-51.3	9.1	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx	157.6	0.0	6.2	158.0		
1- 1	si	7	Tz	-141.4	-12.3	0.0	143.0		
1- 1	si	9	Ty	-113.8	0.0	-10.8	115.3		

PROGR. 50.

SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		8241.7		1085.9	560.9	26.4	-51.3	8.1	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx	164.1	0.0	6.2	164.5		
1- 1	si	7	Tz	-142.4	-12.3	0.0	144.0		
1- 1	si	9	Ty	-109.1	0.0	-10.7	110.6		

VERIFICA STABILITA' :

Z | L0 = 50. |
 Z | Lc = 50. | Ro = 3.88 | lm = 12.9 | Ncr= 2375909.8 | alfa(a)=0.2100 | ki=1.0000 |
 Y | Lc = 50. | Ro = 3.88 | lm = 12.9 | Ncr= 2375909.8 | alfa(a)=0.2100 | ki=1.0000 |
 Caso 5-16 - Nodo 1 - Asse Z
 Ned = -5.3 | Mzeq = 1562.3 | Myeq = -703.7 | Ss = -39.8 (0.018)

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 PROGR. 0.

SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		1935.7		-2605.1	1798.9	-127.4	-99.8	-257.7	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	-85.9	0.0	19.9	92.6		
1- 1	si	14	Tz	-13.8	-47.4	0.0	83.3		
1- 1	si	5	TySi	-52.2	0.0	50.4	101.7		

PROGR. 2.

SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		1461.4		-2421.6	1798.9	-127.5	-99.8	-258.1	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	-74.5	0.0	19.9	82.1		
1- 1	si	14	Tz	-19.2	-47.4	0.0	84.4		
1- 1	si	5	TySi	-49.0	0.0	50.4	100.1		

PROGR. 4.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	986.5	-2238.0	1798.9	-127.7	-99.8	-258.4
TENSIONI (Sz=	0.00)					
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	1	Sx	-63.0	0.0	19.9
1- 1	si	14	Tz	-24.7	-47.5	0.0
1- 1	si	5	Ty	-45.8	0.0	50.5
					PROGR.	5.

SOLLECITAZIONI						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	511.0	-2054.5	1798.9	-127.9	-99.8	-258.7
TENSIONI (Sz=	0.00)					
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	1	Sx	-51.5	0.0	19.9
1- 1	si	14	Tz	-30.1	-47.5	0.0
1- 1	si	5	Ty	-42.6	0.0	50.5
					PROGR.	7.

SOLLECITAZIONI						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	34.9	-1871.0	1798.9	-128.0	-99.8	-259.0
TENSIONI (Sz=	0.00)					
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	1	Sx	-40.0	0.0	19.9
1- 1	si	14	Tz	-35.5	-47.5	0.0
1- 1	si	5	Ty	-39.4	0.0	50.5
					PROGR.	9.

SOLLECITAZIONI						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-441.8	-1687.5	1798.9	-128.2	-99.8	-259.3
TENSIONI (Sz=	0.00)					
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	4	Sx	-43.9	0.0	19.9
1- 1	si	14	Tz	-41.0	-47.5	0.0
1- 1	si	5	Ty	-36.2	0.0	50.6
1- 1	si	11	Si	-43.1	0.0	48.9
					PROGR.	11.

SOLLECITAZIONI						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-919.1	-1504.0	1798.9	-128.3	-99.8	-259.7
TENSIONI (Sz=	0.00)					
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	4	Sx	-49.0	0.0	19.9
1- 1	si	14	Tz	-46.4	-47.6	0.0
1- 1	si	5	Ty	-33.0	0.0	50.6
1- 1	si	11	Si	-47.4	0.0	48.9
					PROGR.	13.

SOLLECITAZIONI						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1396.9	-1320.5	1798.9	-128.5	-99.8	-260.0
TENSIONI (Sz=	0.00)					
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	4	Sx	-54.2	0.0	19.9
1- 1	si	14	Tz	-51.9	-47.6	0.0
1- 1	si	5	Ty	-29.8	0.0	50.7
1- 1	si	11	Si	-51.7	0.0	48.9
					PROGR.	15.

SOLLECITAZIONI						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1875.4	-1137.0	1798.9	-128.6	-99.8	-260.3
TENSIONI (Sz=	0.00)					
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	4	Sx	-59.3	0.0	19.9
1- 1	si	14	Tz	-57.3	-47.6	0.0
1- 1	si	5	Ty	-26.6	0.0	50.7
1- 1	si	11	Si	-56.1	0.0	48.9

VERIFICA STABILITA' :

L0 = 15. | Ro = 3.88 | lm = 3.8 | Ncr = 27617092.9 | alfa(a) = 0.2100 | ki = 1.0000 |
 Z | Lc = 15. | Ro = 3.88 | lm = 3.8 | Ncr = 27617092.9 | alfa(a) = 0.2100 | ki = 1.0000 |
 Y | Lc = 15. | Ro = 3.88 | lm = 3.8 | Ncr = 27617092.9 | alfa(a) = 0.2100 | ki = 1.0000 |
 Caso 1- 1 - Nodo 1 - Asse Z
 Ned = -128.6 | Mzeq = 1451.8 | Myeq = -2432.3 | Ss = -74.5 (0.033)

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PROGR. 0.

SOLLECITAZIONI						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	6536.3	269.5	-4932.0	-95.5	-1025.2	-449.3
TENSIONI (Sz=	0.00)					
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	-123.8	0.0	54.6
1- 1	si	7	Tz	-119.1	-175.8	0.0
1- 1	si	10	Ty	-112.4	0.0	168.4
					PROGR.	2.

SOLLECITAZIONI						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	5709.7	2155.2	-4932.0	-95.6	-1025.2	-449.6
TENSIONI (Sz=	0.00)					
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	-142.3	0.0	54.6
1- 1	si	7	Tz	-104.6	-175.8	0.0

1- 1 si 10	Ty	-132.3	0.0	168.4	320.2	
1- 1 si 15	Si	-138.5	-173.1	0.0	330.3	
-----						PROGR. 4.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	4882.4	4040.8	-4932.0	-95.8	-1025.2	-449.9
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 2	Sx			-160.7	0.0	54.6
1- 1 si 7	Tz			-90.2	-175.8	0.0
1- 1 si 10	Ty			-152.2	0.0	168.4
1- 1 si 15	Si			-153.7	-173.2	0.0
-----						PROGR. 5.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	4054.6	5926.4	-4932.0	-96.0	-1025.2	-450.3
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 2	Sx			-179.2	0.0	54.6
1- 1 si 7	Tz			-75.8	-175.8	0.0
1- 1 si 10	Ty			-172.1	0.0	168.4
1- 1 si 15	Si			-168.8	-173.2	0.0
-----						PROGR. 7.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	3226.1	7812.1	-4932.0	-96.1	-1025.2	-450.6
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 2	Sx			-197.6	0.0	54.6
1- 1 si 7	Tz			-61.3	-175.8	0.0
1- 1 si 10	Ty			-192.0	0.0	168.5
1- 1 si 15	Si			-184.0	-173.2	0.0
-----						PROGR. 9.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	2397.1	9697.7	-4932.0	-96.3	-1025.2	-450.9
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 2	Sx			-216.1	0.0	54.6
1- 1 si 7	Tz			-46.9	-175.8	0.0
1- 1 si 10	TySi			-211.9	0.0	168.5
-----						PROGR. 11.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	1567.5	11583.4	-4932.0	-96.4	-1025.2	-451.2
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 2	Sx			-234.5	0.0	54.6
1- 1 si 7	Tz			-32.4	-175.8	0.0
1- 1 si 10	TySi			-231.8	0.0	168.5
-----						PROGR. 13.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	737.3	13469.0	-4932.0	-96.6	-1025.2	-451.5
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 2	Sx			-252.9	0.0	54.6
1- 1 si 7	Tz			-17.9	-175.8	0.0
1- 1 si 10	TySi			-251.7	0.0	168.5
-----						PROGR. 15.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-93.5	15354.6	-4932.0	-96.7	-1025.2	-451.9
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 3	Sx			-274.6	0.0	54.6
1- 1 si 7	Tz			-3.5	-175.8	0.0
1- 1 si 10	TySi			-271.5	0.0	168.6
-----						PROGR. 15.

VERIFICA STABILITA` :

L0 = 15. |

Z | LC = 15. | Ro = 3.88 | Im = 3.8 | Ncr= 27617092.9 | alfa(a)=0.2100 | ki=1.0000 |

Y | LC = 15. | Ro = 3.88 | Im = 3.8 | Ncr= 27617092.9 | alfa(a)=0.2100 | ki=1.0000 |

Caso 1- 1 - Nodo 2 - Asse Z

Ned = -96.7 | Mzeq = 4902.2 | Myeq = 11516.0 | Ss = -291.5 (0.130)

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PROGR. 0.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	25671.5	-3849.7	-7226.2	-45.6	-69.4	-379.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 1	Sx			-517.5	0.0	80.1
1- 1 si 14	Tz			385.0	-114.1	0.0
1- 1 si 5	Ty			-69.6	0.0	124.9
1- 1 si 13	Si			-510.7	102.6	0.0
-----						PROGR. 6.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	23303.3	-3416.8	-7226.2	-46.2	-69.4	-380.1

TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	-468.6	0.0	80.1	488.7		
1- 1	si	14	Tz	350.5	-114.2	0.0	402.4		
1- 1	si	5	Ty	-62.0	0.0	125.0	225.2		
1- 1	si	13	Si	-462.7	102.7	0.0	495.7		

----- PROGR. 13.

SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		20928.3		-2983.9	-7226.2	-46.7	-69.4	-381.2	

TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	-419.7	0.0	80.1	442.0		
1- 1	si	14	Tz	315.8	-114.3	0.0	372.7		
1- 1	si	5	Ty	-54.5	0.0	125.1	223.5		
1- 1	si	13	Si	-414.4	102.8	0.0	451.0		

----- PROGR. 19.

SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		18546.6		-2551.0	-7226.2	-47.2	-69.4	-382.3	

TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	-370.6	0.0	80.1	395.7		
1- 1	si	14	Tz	281.0	-114.3	0.0	343.8		
1- 1	si	5	Ty	-47.0	0.0	125.3	222.0		
1- 1	si	13	Si	-366.1	102.8	0.0	407.1		

----- PROGR. 25.

SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		16158.1		-2118.2	-7226.2	-47.8	-69.4	-383.4	

TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	-321.4	0.0	80.1	350.0		
1- 1	si	14	Tz	246.1	-114.4	0.0	316.0		
1- 1	si	5	Ty	-39.5	0.0	125.4	220.7		
1- 1	si	13	Si	-317.7	102.9	0.0	364.3		

----- PROGR. 31.

SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		13762.8		-1685.3	-7226.2	-48.3	-69.4	-384.5	

TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	-272.1	0.0	80.1	305.4		
1- 1	si	14	Tz	211.1	-114.5	0.0	289.6		
1- 1	si	5	Ty	-31.9	0.0	125.5	219.7		
1- 1	si	13	Si	-269.1	103.0	0.0	322.9		

----- PROGR. 38.

SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		11360.7		-1252.4	-7226.2	-48.8	-69.4	-385.6	

TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	-222.6	0.0	80.1	262.3		
1- 1	si	14	Tz	176.0	-114.6	0.0	265.2		
1- 1	si	5	Ty	-24.4	0.0	125.6	219.0		
1- 1	si	13	Si	-220.4	103.1	0.0	283.7		

----- PROGR. 44.

SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		8951.9		-819.5	-7226.2	-49.4	-69.4	-386.6	

TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	-173.1	0.0	80.1	221.8		
1- 1	si	14	Tz	140.7	-114.7	0.0	243.4		
1- 1	si	5	Ty	-16.9	0.0	125.8	218.5		
1- 1	si	13	Si	-171.6	103.2	0.0	247.8		

----- PROGR. 50.

SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		6536.3		-386.6	-7226.2	-49.9	-69.4	-387.7	

TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	-123.4	0.0	80.1	185.6		
1- 1	si	14	Tz	105.3	-114.7	0.0	224.9		
1- 1	si	5	Ty	-9.4	0.0	125.9	218.3		
1- 1	si	15	Si	-110.6	-114.7	0.0	227.4		

VERIFICA STABILITA` :

LO = 50.
Z LC = 50. | Ro = 3.88 | Im = 12.9 | Ncr= 2375909.8 | alfa(a)=0.2100 | ki=1.0000 |
Y LC = 50. | Ro = 3.88 | Im = 12.9 | Ncr= 2375909.8 | alfa(a)=0.2100 | ki=1.0000 |
Caso 1- 1 - Nodo 1 - Asse Z
Ned = -49.9 | Mzeq = 20982.0 | Myeq = -2887.3 | Ss = -419.1 (0.187)

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----- PROGR. 0.

SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		40466.2		-686.2	-7863.5	-62.6	78.4	-291.3	

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

1- 1	si	1	Sx	-721.3	0.0	87.1	736.9		
1- 1	si	13	Tz	-720.1	115.4	0.0	747.3		
1- 1	si	5	Ty	-15.3	0.0	121.6	211.1		
								PROGR.	6.
SOLLECITAZIONI :									
Caso	1- 1	MZ		MY	MT	N	TZ	TY	
		38640.7		-1176.7	-7863.5	-63.2	78.4	-292.4	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	-698.0	0.0	87.1	714.1		
1- 1	si	13	Tz	-696.0	115.4	0.0	724.1		
1- 1	si	5	Ty	-23.9	0.0	121.7	212.1		
								PROGR.	13.
SOLLECITAZIONI :									
Caso	1- 1	MZ		MY	MT	N	TZ	TY	
		36808.4		-1667.1	-7863.5	-63.7	78.4	-293.5	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	-674.6	0.0	87.1	691.3		
1- 1	si	13	Tz	-671.7	115.5	0.0	700.9		
1- 1	si	5	Ty	-32.4	0.0	121.8	213.5		
								PROGR.	19.
SOLLECITAZIONI :									
Caso	1- 1	MZ		MY	MT	N	TZ	TY	
		34969.2		-2157.6	-7863.5	-64.2	78.4	-294.5	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	-651.1	0.0	87.1	668.4		
1- 1	si	13	Tz	-647.4	115.6	0.0	677.6		
1- 1	si	5	Ty	-41.0	0.0	121.9	215.2		
								PROGR.	25.
SOLLECITAZIONI :									
Caso	1- 1	MZ		MY	MT	N	TZ	TY	
		33123.3		-2648.1	-7863.5	-64.8	78.4	-295.6	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	-627.5	0.0	87.1	645.4		
1- 1	si	13	Tz	-622.9	115.7	0.0	654.3		
1- 1	si	5	Ty	-49.6	0.0	122.1	217.2		
								PROGR.	31.
SOLLECITAZIONI :									
Caso	1- 1	MZ		MY	MT	N	TZ	TY	
		31270.5		-3138.6	-7863.5	-65.3	78.4	-296.7	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	-603.8	0.0	87.1	622.3		
1- 1	si	13	Tz	-598.3	115.8	0.0	631.0		
1- 1	si	5	Ty	-58.2	0.0	122.2	219.5		
								PROGR.	38.
SOLLECITAZIONI :									
Caso	1- 1	MZ		MY	MT	N	TZ	TY	
		29411.0		-3629.1	-7863.5	-65.8	78.4	-297.8	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	-579.9	0.0	87.1	599.2		
1- 1	si	13	Tz	-573.6	115.8	0.0	607.7		
1- 1	si	5	Ty	-66.8	0.0	122.3	222.2		
								PROGR.	44.
SOLLECITAZIONI :									
Caso	1- 1	MZ		MY	MT	N	TZ	TY	
		27544.6		-4119.5	-7863.5	-66.4	78.4	-298.9	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	-555.9	0.0	87.1	576.1		
1- 1	si	13	Tz	-548.7	115.9	0.0	584.3		
1- 1	si	5	Ty	-75.4	0.0	122.5	225.1		
								PROGR.	50.
SOLLECITAZIONI :									
Caso	1- 1	MZ		MY	MT	N	TZ	TY	
		25671.5		-4610.0	-7863.5	-66.9	78.4	-300.0	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	-531.8	0.0	87.1	552.8		
1- 1	si	13	Tz	-523.8	116.0	0.0	561.0		
1- 1	si	5	Ty	-84.0	0.0	122.6	228.3		
VERIFICA STABILITA` :									
Z L0 = 50.									
Y Lc = 50. Ro = 3.88 Im = 12.9 Ncr= 2375909.8 alfa(a)=0.2100 ki=1.0000									
Caso 1- 1 - Nodo 1 - Asse Z									
Ned = -66.9 Mzeq = 40466.2 Myeq = -3457.5 Ss = -769.9 (0.344)									
CASSONE_S002 (2) stato limite ultimo - ASTA (95- 94) 88									
								PROGR.	0.
SOLLECITAZIONI :									
Caso	1- 1	MZ		MY	MT	N	TZ	TY	
		50460.4		1110.1	-7194.4	-9.9	53.5	-194.1	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	-900.3	0.0	79.7	910.8		

1- 1	si	13	Tz	-863.5	98.6	0.0	880.2
1- 1	si	5	Ty	18.8	0.0	102.7	178.8
1- 1	si	15	Si	-898.3	-89.8	0.0	911.7

PROGR. 6.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	49235.2	773.6	-7194.4	-10.5	53.5	-195.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-873.1	0.0	79.7	883.9
1- 1	si	13	Tz	-847.4	98.7	0.0	864.5
1- 1	si	5	Ty	12.9	0.0	102.8	178.5
1- 1	si	15	Si	-871.7	-89.8	0.0	885.5

PROGR. 13.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	48003.2	437.2	-7194.4	-11.0	53.5	-196.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-845.7	0.0	79.7	856.9
1- 1	si	13	Tz	-831.2	98.8	0.0	848.7
1- 1	si	5	Ty	7.0	0.0	102.9	178.4
1- 1	si	15	Si	-845.0	-89.9	0.0	859.2

PROGR. 19.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	46764.3	100.7	-7194.4	-11.5	53.5	-197.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-818.3	0.0	79.7	829.8
1- 1	si	13	Tz	-814.9	98.9	0.0	832.7
1- 1	si	5	Ty	1.1	0.0	103.0	178.5
1- 1	si	15	Si	-818.1	-90.0	0.0	832.8

PROGR. 25.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	45518.4	-235.8	-7194.4	-12.1	53.5	-198.5

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-798.9	0.0	79.7	810.8
1- 1	si	13	Tz	-798.5	98.9	0.0	816.7
1- 1	si	5	Ty	-4.7	0.0	103.2	178.8

PROGR. 31.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	44265.7	-572.2	-7194.4	-12.6	53.5	-199.6

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-782.9	0.0	79.7	795.0
1- 1	si	13	Tz	-782.0	99.0	0.0	800.5
1- 1	si	5	Ty	-10.6	0.0	103.3	179.2

PROGR. 38.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	43006.1	-908.7	-7194.4	-13.2	53.5	-200.7

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-766.9	0.0	79.7	779.2
1- 1	si	13	Tz	-765.3	99.1	0.0	784.3
1- 1	si	5	Ty	-16.5	0.0	103.4	179.9

PROGR. 44.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	41739.6	-1245.1	-7194.4	-13.7	53.5	-201.8

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-750.7	0.0	79.7	763.3
1- 1	si	13	Tz	-748.5	99.2	0.0	768.0
1- 1	si	5	Ty	-22.4	0.0	103.6	180.8

PROGR. 50.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	40466.2	-1581.6	-7194.4	-14.2	53.5	-202.8

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-734.4	0.0	79.7	747.2
1- 1	si	13	Tz	-731.6	99.3	0.0	751.5
1- 1	si	5	Ty	-28.3	0.0	103.7	181.8

VERIFICA STABILITA' :

L0 = 50.
 Z | Lc = 50. | Ro = 3.88 | lm = 13.0 | Ncr= 2344433.7 | alfa(a)=0.2100 | ki=1.0000 |
 Y | Lc = 50. | Ro = 3.88 | lm = 13.0 | Ncr= 2344433.7 | alfa(a)=0.2100 | ki=1.0000 |
 Caso 1- 1 - Nodo 1 - Asse Z
 Ned = -14.2 | Mzeq = 50460.4 | Myeq = -1186.2 | Ss = -901.8 (0.403)

CASSONE_S002 (2) stato limite ultimo - ASTA (96- 95) 90
PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	55047.7	315.4	-5637.1	-18.8	2.0	-88.2

TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	-966.9	0.0	62.5	972.9		
1- 1	si	13	Tz	-956.5	69.2	0.0	963.9		
1- 1	si	5	Ty	4.5	0.0	72.9	126.3		
1- 1	si	15	Si	-966.4	-68.9	0.0	973.7		
----- PROGR. 6.									
SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		54497.7		303.0	-5637.1	-19.3	2.0	-89.3	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	-957.1	0.0	62.5	963.2		
1- 1	si	13	Tz	-947.1	69.3	0.0	954.6		
1- 1	si	5	Ty	4.3	0.0	73.0	126.5		
1- 1	si	15	Si	-956.6	-69.0	0.0	964.0		
----- PROGR. 12.									
SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		53941.0		290.6	-5637.1	-19.9	2.0	-90.3	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	-947.2	0.0	62.5	953.4		
1- 1	si	13	Tz	-937.6	69.4	0.0	945.3		
1- 1	si	5	Ty	4.0	0.0	73.1	126.7		
1- 1	si	15	Si	-946.7	-69.0	0.0	954.2		
----- PROGR. 19.									
SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		53377.6		278.3	-5637.1	-20.4	2.0	-91.4	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	-937.2	0.0	62.5	943.4		
1- 1	si	13	Tz	-928.0	69.4	0.0	935.7		
1- 1	si	5	Ty	3.8	0.0	73.3	127.0		
1- 1	si	15	Si	-936.7	-69.1	0.0	944.3		
----- PROGR. 25.									
SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		52807.5		265.9	-5637.1	-20.9	2.0	-92.5	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	-927.1	0.0	62.5	933.4		
1- 1	si	13	Tz	-918.3	69.5	0.0	926.1		
1- 1	si	5	Ty	3.5	0.0	73.4	127.2		
1- 1	si	15	Si	-926.6	-69.2	0.0	934.3		
----- PROGR. 31.									
SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		52230.8		253.5	-5637.1	-21.5	2.0	-93.6	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	-916.8	0.0	62.5	923.2		
1- 1	si	13	Tz	-908.4	69.6	0.0	916.4		
1- 1	si	5	Ty	3.3	0.0	73.5	127.4		
1- 1	si	15	Si	-916.4	-69.3	0.0	924.2		
----- PROGR. 37.									
SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		51647.3		241.2	-5637.1	-22.0	2.0	-94.7	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	-906.5	0.0	62.5	912.9		
1- 1	si	13	Tz	-898.5	69.7	0.0	906.5		
1- 1	si	5	Ty	3.1	0.0	73.6	127.6		
1- 1	si	15	Si	-906.0	-69.4	0.0	914.0		
----- PROGR. 43.									
SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		51057.2		228.8	-5637.1	-22.5	2.0	-95.7	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	-896.0	0.0	62.5	902.5		
1- 1	si	13	Tz	-888.4	69.8	0.0	896.6		
1- 1	si	5	Ty	2.8	0.0	73.8	127.8		
1- 1	si	15	Si	-895.6	-69.4	0.0	903.6		
----- PROGR. 50.									
SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		50460.4		216.5	-5637.1	-23.0	2.0	-96.8	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	-885.4	0.0	62.5	892.0		
1- 1	si	13	Tz	-878.2	69.8	0.0	886.5		
1- 1	si	5	Ty	2.6	0.0	73.9	128.0		
1- 1	si	15	Si	-885.0	-69.5	0.0	893.1		

VERIFICA STABILITA' :

Z | L0 = 50. | Ro = 3.88 | lm = 12.8 | Ncr= 2408024.2 | alfa(a)=0.2100 | ki=1.0000 |
Y | Lc = 50. | Ro = 3.88 | lm = 12.8 | Ncr= 2408024.2 | alfa(a)=0.2100 | ki=1.0000 |

Caso 1- 1 - Nodo 2 - Asse Z
Ned = -23.0|Mzeq = 55047.7|Myeq = 315.4|Ss = -967.1 (0.432)

CASSONE_S002 (2) stato limite ultimo - ASTA (97- 96) 92
PROGR. 0.

SOLLECITAZIONI :
Caso | MZ | MY | MT | N | TZ | TY |
1- 1 | 54289.7 | 385.2 | -3642.5 | 33.4 | 19.1 | 19.5 |
TENSIONI (Sz= 0.00) :
Caso | Vel | No | massimi | Sx | Tz | Ty | Si |
1- 1 | si | 4 | Sx | Si | 955.7 | 0.0 | 40.4 | 958.2 |
1- 1 | si | 14 | Tz | Si | 955.0 | 43.4 | 0.0 | 957.9 |
1- 1 | si | 10 | Ty | Ty | -857.4 | 0.0 | -43.4 | 860.7 |
PROGR. 6.

SOLLECITAZIONI :
Caso | MZ | MY | MT | N | TZ | TY |
1- 1 | 54408.3 | 265.8 | -3642.5 | 32.9 | 19.1 | 18.4 |
TENSIONI (Sz= 0.00) :
Caso | Vel | No | massimi | Sx | Tz | Ty | Si |
1- 1 | si | 4 | Sx | Si | 955.6 | 0.0 | 40.4 | 958.2 |
1- 1 | si | 14 | Tz | Si | 955.2 | 43.3 | 0.0 | 958.1 |
1- 1 | si | 10 | Ty | Ty | -857.2 | 0.0 | -43.3 | 860.5 |
PROGR. 12.

SOLLECITAZIONI :
Caso | MZ | MY | MT | N | TZ | TY |
1- 1 | 54520.1 | 146.4 | -3642.5 | 32.3 | 19.1 | 17.3 |
TENSIONI (Sz= 0.00) :
Caso | Vel | No | massimi | Sx | Tz | Ty | Si |
1- 1 | si | 4 | Sx | Si | 955.5 | 0.0 | 40.4 | 958.0 |
1- 1 | si | 14 | Tz | Si | 955.2 | 43.2 | 0.0 | 958.1 |
1- 1 | si | 10 | Ty | Ty | -856.9 | 0.0 | -43.2 | 860.2 |
PROGR. 19.

SOLLECITAZIONI :
Caso | MZ | MY | MT | N | TZ | TY |
1- 1 | 54625.0 | 27.0 | -3642.5 | 31.8 | 19.1 | 16.2 |
TENSIONI (Sz= 0.00) :
Caso | Vel | No | massimi | Sx | Tz | Ty | Si |
1- 1 | si | 4 | Sx | Si | 955.2 | 0.0 | 40.4 | 957.7 |
1- 1 | si | 14 | Tz | Si | 955.1 | 43.2 | 0.0 | 958.1 |
1- 1 | si | 10 | Ty | Ty | -856.5 | 0.0 | -43.1 | 859.8 |
PROGR. 25.

SOLLECITAZIONI :
Caso | MZ | MY | MT | N | TZ | TY |
1- 1 | 54723.2 | -92.4 | -3642.5 | 31.3 | 19.1 | 15.1 |
TENSIONI (Sz= 0.00) :
Caso | Vel | No | massimi | Sx | Tz | Ty | Si |
1- 1 | si | 3 | Sx | Si | 958.0 | 0.0 | 40.4 | 960.6 |
1- 1 | si | 14 | Tz | Si | 954.9 | 43.1 | 0.0 | 957.9 |
1- 1 | si | 10 | Ty | Ty | -856.0 | 0.0 | -43.0 | 859.3 |
PROGR. 31.

SOLLECITAZIONI :
Caso | MZ | MY | MT | N | TZ | TY |
1- 1 | 54814.5 | -211.8 | -3642.5 | 30.7 | 19.1 | 14.1 |
TENSIONI (Sz= 0.00) :
Caso | Vel | No | massimi | Sx | Tz | Ty | Si |
1- 1 | si | 3 | Sx | Si | 961.7 | 0.0 | 40.4 | 964.2 |
1- 1 | si | 14 | Tz | Si | 954.6 | 43.0 | 0.0 | 957.5 |
1- 1 | si | 10 | Ty | Ty | -855.4 | 0.0 | -42.9 | 858.6 |
PROGR. 37.

SOLLECITAZIONI :
Caso | MZ | MY | MT | N | TZ | TY |
1- 1 | 54899.1 | -331.2 | -3642.5 | 30.2 | 19.1 | 13.0 |
TENSIONI (Sz= 0.00) :
Caso | Vel | No | massimi | Sx | Tz | Ty | Si |
1- 1 | si | 3 | Sx | Si | 965.2 | 0.0 | 40.4 | 967.7 |
1- 1 | si | 14 | Tz | Si | 954.2 | 42.9 | 0.0 | 957.1 |
1- 1 | si | 10 | Ty | Ty | -854.7 | 0.0 | -42.9 | 857.9 |
PROGR. 44.

SOLLECITAZIONI :
Caso | MZ | MY | MT | N | TZ | TY |
1- 1 | 54976.8 | -450.6 | -3642.5 | 29.6 | 19.1 | 11.9 |
TENSIONI (Sz= 0.00) :
Caso | Vel | No | massimi | Sx | Tz | Ty | Si |
1- 1 | si | 3 | Sx | Si | 968.6 | 0.0 | 40.4 | 971.1 |
1- 1 | si | 14 | Tz | Si | 953.7 | 42.8 | 0.0 | 956.5 |
1- 1 | si | 10 | Ty | Ty | -853.8 | 0.0 | -42.8 | 857.0 |
PROGR. 50.

SOLLECITAZIONI :
Caso | MZ | MY | MT | N | TZ | TY |
1- 1 | 55047.7 | -570.0 | -3642.5 | 29.1 | 19.1 | 10.8 |
TENSIONI (Sz= 0.00) :
Caso | Vel | No | massimi | Sx | Tz | Ty | Si |
1- 1 | si | 3 | Sx | Si | 971.9 | 0.0 | 40.4 | 974.4 |
1- 1 | si | 14 | Tz | Si | 953.0 | 42.7 | 0.0 | 955.9 |
1- 1 | si | 10 | Ty | Ty | -852.9 | 0.0 | -42.7 | 856.1 |

VERIFICA STABILITA` :

LO = 50. |
Z | LC = 50. | Ro = 3.88 | Im = 12.9 | Ncr= 2375909.9 | alfa(a)=0.2100 | ki=1.0000 |
Y | LC = 50. | Ro = 3.88 | Im = 12.9 | Ncr= 2375909.9 | alfa(a)=0.2100 | ki=1.0000 |
Caso 4-12 - Nodo 2 - Asse Z

Ned = -47.4 | Mzeq = 12702.2 | Myeq = 96.7 | Ss = -225.8 (0.101)

CASSONE_S002 (2) stato limite ultimo - ASTA (98- 97) 94
PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	48126.2	505.7	-1643.1	85.6	20.3	127.6

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	853.0	0.0	18.2	853.6
1- 1	si	14	Tz	852.1	29.4	0.0	853.6
1- 1	si	5	Ty	13.3	0.0	-33.3	59.2

PROGR. 6.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	48920.4	378.6	-1643.1	85.0	20.3	126.5

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	864.6	0.0	18.2	865.2
1- 1	si	14	Tz	863.9	29.3	0.0	865.4
1- 1	si	5	Ty	11.1	0.0	-33.2	58.5

PROGR. 13.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	49707.9	251.5	-1643.1	84.5	20.3	125.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	876.1	0.0	18.2	876.7
1- 1	si	14	Tz	875.6	29.2	0.0	877.1
1- 1	si	5	Ty	8.8	0.0	-33.0	57.9

PROGR. 19.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	50488.5	124.4	-1643.1	84.0	20.3	124.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	887.5	0.0	18.2	888.0
1- 1	si	14	Tz	887.2	29.2	0.0	888.7
1- 1	si	5	Ty	6.6	0.0	-32.9	57.4

PROGR. 25.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	51262.4	-2.7	-1643.1	83.4	20.3	123.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	898.8	0.0	18.2	899.4
1- 1	si	14	Tz	898.7	29.1	0.0	900.1
1- 1	si	5	Ty	4.3	0.0	-32.8	56.9

PROGR. 31.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	52029.4	-129.8	-1643.1	82.9	20.3	122.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	914.4	0.0	18.2	914.9
1- 1	si	14	Tz	910.1	29.0	0.0	911.5
1- 1	si	5	Ty	2.1	0.0	-32.6	56.6
1- 1	si	16	Si	914.2	-25.6	0.0	915.2

PROGR. 38.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	52789.6	-257.0	-1643.1	82.4	20.3	121.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	929.8	0.0	18.2	930.4
1- 1	si	14	Tz	921.3	28.9	0.0	922.7
1- 1	si	5	Ty	-0.1	0.0	-32.5	56.3
1- 1	si	16	Si	929.4	-25.6	0.0	930.4

PROGR. 44.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	53543.1	-384.1	-1643.1	81.8	20.3	120.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	945.2	0.0	18.2	945.7
1- 1	si	14	Tz	932.4	28.8	0.0	933.8
1- 1	si	5	Ty	-2.4	0.0	-32.4	56.2

PROGR. 50.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	54289.7	-511.2	-1643.1	81.3	20.3	118.9

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	960.4	0.0	18.2	960.9
1- 1	si	14	Tz	943.4	28.8	0.0	944.8
1- 1	si	5	Ty	-4.6	0.0	-32.3	56.1

VERIFICA STABILITA' :

Z | L0 = 50. | Ro = 3.88 | Im = 12.9 | Ncr= 2375909.8 | alfa(a)=0.2100 | ki=1.0000 |

Y | Lc = 50. | Ro = 3.88 | Im = 12.9 | Ncr= 2375909.8 | alfa(a)=0.2100 | ki=1.0000 |

Caso 4-12 - Nodo 2 - Asse Z
Ned = -41.7 | Mzeq = 12499.6 | Myeq = 173.1 | Ss = -223.3 (0.100)

CASSONE_S002 (2) stato limite ultimo - ASTA (99- 98) 96
PROGR. 0.

SOLLECITAZIONI :										PROGR.		6.	
Caso	MZ			MY	MT	N	TZ	TY					
1- 1	36748.4			616.7	-92.4	138.2	20.0	231.7					
TENSIONI (Sz= 0.00) :													
Caso	Vel	No	massimi	Sx	Tz	Ty	Si						
1- 1	si	4	Sx	659.2	0.0	1.0	659.2						
1- 1	si	14	Tz	658.1	20.0	0.0	659.0						
1- 1	si	5	Ty	18.0	0.0	-28.4	52.4						
-----										PROGR.		6.	

SOLLECITAZIONI :										PROGR.		0.		
Caso			MZ		MY		MT		N		TZ		TY	
1- 1			38194.5		491.5		-92.4		137.6		20.0		230.6	
TENSIONI (Sz= 0.00) :														
Caso	Vel	No	massimi		Sx		Tz		Ty		Si			
1- 1	si	4	Sx		682.2		0.0		1.0		682.2			
1- 1	si	14	Tz	Si	681.3		19.9		0.0		682.2			
1- 1	si	5	Ty		15.8		0.0		-28.3		51.5			
										PROGR.				13.

SOLLECITAZIONI :										PROGR.		19.	
Caso	MZ			MY	MT	N	TZ	TY					
1- 1	39633.7			366.3	-92.4	137.1	20.0	229.5					
TENSIONI (Sz= 0.00) :													
Caso	Vel	No	massimi	Sx	Tz	Ty	Si						
1- 1	si	4	Sx	705.1	0.0	1.0	705.1						
1- 1	si	14	Tz	704.5	19.8	0.0	705.3						
1- 1	si	5	Ty	13.6	0.0	-28.2	50.6						
-----										PROGR.		19.	

SOLLECITAZIONI :										PROGR.		19.	
Caso			MZ		MY		MT		N		TZ		TY
1- 1			41066.1		241.2		-92.4		136.6		20.0		228.4
TENSIONI (Sz= 0.00) :													
Caso	Vel	No	massimi		Sx		Tz		Ty		Si		
1- 1	si	4	Sx		727.9		0.0		1.0		727.9		
1- 1	si	14	Tz	Si	727.5		19.7		0.0		728.3		
1- 1	si	5	Ty		11.4		0.0		-28.0		49.9		
										PROGR.		25.	

SOLLECITAZIONI :										PROGR.		23.	
Caso			MZ		MY		MT		N		TZ		TY
1- 1			42491.8		116.0		-92.4		136.0		20.0		227.4
TENSIONI (Sz= 0.00) :													
Caso	Vel	No	massimi		Sx		Tz		Ty		Si		
1- 1	si	4	Sx		750.5		0.0		1.0		750.5		
1- 1	si	14	Tz	Si	750.3		19.6		0.0		751.1		
1- 1	si	5	Ty		9.2		0.0		-27.9		49.2		
										PROGR.		31.	

SOLLECITAZIONI :										PROGR.		31.	
Caso				MZ	MY	MT	N	TZ	TY				
1- 1				43910.6	-9.2	-92.4	135.5	20.0	226.3				
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massimi	Sx	Tz	Ty	Si						
1- 1	si	3	Sx	773.4	0.0	1.0	773.4						
1- 1	si	14	Tz	773.1	19.6	0.0	773.8						
1- 1	si	5	Ty	7.0	0.0	-27.8	48.6						
1- 1	si	16	Si	773.4	-16.2	0.0	773.9						
										PROGR.		38.	

1- 1			Si	10	Si	775.4	16.2	0.0	775.9	PROGR.		38.	
SOLLECITAZIONI :													
Caso			MZ		MY		MT		N		TZ		TY
1- 1			45322.6		-134.4		-92.4		135.0		20.0		225.2
TENSIONI (Sz= 0.00) :													
Caso			Ve		No		Sx		Tz		Ty		Si
1- 1			Si		3		Sx		800.2		0.0		1.0
1- 1			Si		14		Tz		795.7		19.5		0.0
1- 1			Si		5		Ty		4.8		0.0		-27.6
1- 1			Si		16		Si		800.0		-16.2		0.0
PROGR.													
44.													

SOLLECITAZIONI :										PROGR.		44.	
Caso		MZ		MY		MT		N		TZ		TY	
1- 1		46727.8		-259.6		-92.4		134.4		20.0		224.1	
TENSIONI (Sz= 0.00) :													
Caso		Ve	No	massimi		Sx		Tz		Ty		Si	
1- 1	si	3		Sx		826.9		0.0		1.0		826.9	
1- 1	si	14		Tz		818.3		19.4		0.0		818.9	
1- 1	si	5		Ty		2.5		0.0		-27.5		47.7	
1- 1	si	16		Si		826.4		-16.2		0.0		826.9	
										PROGR.			50.

1- 1 si 14	12	818.3	19.4	0.0	818.9	
1- 1 si 5	Ty	2.5	0.0	-27.5	47.7	
1- 1 si 16	Si	826.4	-16.1	0.0	826.9	

SOLLECITAZIONI :					PROGR. 50.	
Caso	MZ	MY	MT	N	TZ	TY
1- 1	48126.2	-384.8	-92.4	133.9	20.0	223.0
TENSIONI (Sz= 0.00) :						
Caso	Ve No	massimi	Sx	Tz	Ty	Si
1- 1 si 3	Sx	Si	853.4	0.0	1.0	853.4
1- 1 si 14	Tz		840.7	19.3	0.0	841.3
1- 1 si 5	Ty		0.3	0.0	-27.4	47.4

VERIFICA STABILITA` :

|L0 = 50. |

Z |Lc = 50. |Ro = 3.88|Im = 12.9|Ncr= 2375909.8|alfa(a)=0.2100|ki=1.0000|
Y |Lc = 50. |Ro = 3.88|Im = 12.9|Ncr= 2375909.8|alfa(a)=0.2100|ki=1.0000|
Caso 4-12 - Nodo 2 - Asse Z
Ned = -35.2|Mzeq = 11080.7|Myeq = 214.4|Ss = -198.9 (0.089)

CASSONE_S002 (2) stato limite ultimo - ASTA (100- 99) 98
PROGR. 0.

SOLLECITAZIONI :
Caso MZ MY MT N TZ TY
1- 1 20555.1 646.7 581.4 190.2 18.4 328.8
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 4 Sx 379.9 0.0 6.4 380.1
1- 1 si 14 Tz Si 378.8 32.5 0.0 382.9
1- 1 si 5 Ty 21.3 0.0 -45.3 81.3
PROGR. 6.

SOLLECITAZIONI :
Caso MZ MY MT N TZ TY
1- 1 22602.9 531.9 581.4 189.7 18.4 327.7
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 4 Sx 413.6 0.0 6.4 413.8
1- 1 si 14 Tz Si 412.7 32.4 0.0 416.5
1- 1 si 5 Ty 19.3 0.0 -45.2 80.6
PROGR. 12.

SOLLECITAZIONI :
Caso MZ MY MT N TZ TY
1- 1 24644.0 417.2 581.4 189.2 18.4 326.6
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 4 Sx 447.2 0.0 6.4 447.3
1- 1 si 14 Tz Si 446.5 32.3 0.0 450.0
1- 1 si 5 Ty 17.2 0.0 -45.1 79.9
PROGR. 19.

SOLLECITAZIONI :
Caso MZ MY MT N TZ TY
1- 1 26678.4 302.4 581.4 188.6 18.4 325.5
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 4 Sx 480.7 0.0 6.4 480.8
1- 1 si 14 Tz Si 480.1 32.2 0.0 483.4
1- 1 si 5 Ty 15.2 0.0 -44.9 79.3
PROGR. 25.

SOLLECITAZIONI :
Caso MZ MY MT N TZ TY
1- 1 28705.9 187.6 581.4 188.1 18.4 324.4
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 4 Sx 514.0 0.0 6.4 514.1
1- 1 si 14 Tz Si 513.7 32.2 0.0 516.7
1- 1 si 5 Ty 13.2 0.0 -44.8 78.7
PROGR. 31.

SOLLECITAZIONI :
Caso MZ MY MT N TZ TY
1- 1 30726.7 72.8 581.4 187.6 18.4 323.4
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 4 Sx 547.2 0.0 6.4 547.3
1- 1 si 14 Tz Si 547.1 32.1 0.0 549.9
1- 1 si 5 Ty 11.1 0.0 -44.7 78.2
PROGR. 37.

SOLLECITAZIONI :
Caso MZ MY MT N TZ TY
1- 1 32740.7 -42.0 581.4 187.0 18.4 322.3
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 3 Sx 581.8 0.0 6.4 581.9
1- 1 si 14 Tz Si 580.4 32.0 0.0 583.1
1- 1 si 5 Ty 9.1 0.0 -44.5 77.7
1- 1 si 16 Si 581.7 -29.0 0.0 583.9
PROGR. 44.

SOLLECITAZIONI :
Caso MZ MY MT N TZ TY
1- 1 34748.0 -156.8 581.4 186.5 18.4 321.2
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 3 Sx 618.8 0.0 6.4 618.9
1- 1 si 14 Tz Si 613.6 31.9 0.0 616.1
1- 1 si 5 Ty 7.1 0.0 -44.4 77.2
1- 1 si 16 Si 618.5 -28.9 0.0 620.5
PROGR. 50.

SOLLECITAZIONI :
Caso MZ MY MT N TZ TY
1- 1 36748.4 -271.6 581.4 186.0 18.4 320.1
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 3 Sx 655.7 0.0 6.4 655.8
1- 1 si 14 Tz Si 646.7 31.8 0.0 649.0
1- 1 si 5 Ty 5.0 0.0 -44.3 76.9
1- 1 si 16 Si 655.2 -28.8 0.0 657.1

VERIFICA STABILITA' :

Z | LO = 50. | Ro = 3.88 | Im = 12.9 | Ncr= 2375909.9 | alfa(a)=0.2100 | ki=1.0000 |
 Y | LC = 50. | Ro = 3.88 | Im = 12.9 | Ncr= 2375909.9 | alfa(a)=0.2100 | ki=1.0000 |
 Caso 4-12 - Nodo 2 - Asse Z
 Ned = -27.9 | Mzeq = 8472.0 | Myeq = 192.2 | Ss = -152.6 (0.068)

CASSONE_S002 (2) stato limite ultimo - ASTA (104- 105) 101
 ----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	34948.4	243.4	-0.2	99.5	-0.9	518.6

 TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	619.2	0.0	0.0	619.2
1- 1	si	13	Tz	-600.7	-38.8	0.0	604.4
1- 1	si	5	Ty	9.5	0.0	-61.3	106.6
1- 1	si	14	Si	618.8	38.6	0.0	622.4

 ----- PROGR. 6.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	38180.6	249.0	-0.2	99.0	-0.9	517.5

 TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	675.7	0.0	0.0	675.7
1- 1	si	13	Tz	-657.0	-38.7	0.0	660.4
1- 1	si	5	Ty	9.6	0.0	-61.2	106.4
1- 1	si	14	Si	675.3	38.5	0.0	678.5

 ----- PROGR. 12.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	41406.1	254.7	-0.2	98.4	-0.9	516.5

 TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	732.0	0.0	0.0	732.0
1- 1	si	13	Tz	-713.2	-38.6	0.0	716.4
1- 1	si	5	Ty	9.6	0.0	-61.0	106.2
1- 1	si	14	Si	731.6	38.4	0.0	734.6

 ----- PROGR. 19.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	44624.9	260.3	-0.2	97.9	-0.9	515.4

 TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	788.3	0.0	0.0	788.3
1- 1	si	13	Tz	-769.3	-38.5	0.0	772.2
1- 1	si	5	Ty	9.7	0.0	-60.9	106.0
1- 1	si	14	Si	787.8	38.4	0.0	790.6

 ----- PROGR. 25.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	47836.8	265.9	-0.2	97.4	-0.9	514.3

 TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	844.4	0.0	0.0	844.4
1- 1	si	13	Tz	-825.3	-38.4	0.0	828.0
1- 1	si	5	Ty	9.8	0.0	-60.8	105.7
1- 1	si	14	Si	843.9	38.3	0.0	846.5

 ----- PROGR. 31.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	51042.0	271.6	-0.2	96.8	-0.9	513.2

 TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	900.4	0.0	0.0	900.4
1- 1	si	13	Tz	-881.2	-38.4	0.0	883.7
1- 1	si	5	Ty	9.8	0.0	-60.7	105.5
1- 1	si	14	Si	899.9	38.2	0.0	902.3

 ----- PROGR. 37.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	54240.4	277.2	-0.2	96.3	-0.9	512.1

 TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	956.2	0.0	0.0	956.2
1- 1	si	13	Tz	-936.9	-38.3	0.0	939.2
1- 1	si	5	Ty	9.9	0.0	-60.5	105.3
1- 1	si	14	Si	955.7	38.1	0.0	958.0

 ----- PROGR. 44.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	57432.0	282.8	-0.2	95.8	-0.9	511.0

 TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	1012.0	0.0	0.0	1012.0
1- 1	si	13	Tz	-992.5	-38.2	0.0	994.7
1- 1	si	5	Ty	10.0	0.0	-60.4	105.1
1- 1	si	14	Si	1011.5	38.0	0.0	1013.6

 ----- PROGR. 50.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	60616.8	288.5	-0.2	95.2	-0.9	509.9

 TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	1067.6	0.0	0.0	1067.6
1- 1	si	13	Tz	-1048.0	-38.1	0.0	1050.1
1- 1	si	5	Ty	10.0	0.0	-60.3	104.9
1- 1	si	14	Si	1067.1	38.0	0.0	1069.1

VERIFICA STABILITA' :

Z | L0 = 50. | Ro = 3.88 | Im = 12.9 | Ncr= 2375909.9 | alfa(a)=0.2100 | ki=1.0000 |
Y | Lc = 50. | Ro = 3.88 | Im = 12.9 | Ncr= 2375909.9 | alfa(a)=0.2100 | ki=1.0000 |
Caso 4-12 - Nodo 2 - Asse Z
Ned = -26.4 | Mzeq = 11773.3 | Myeq = 198.8 | Ss = -210.3 (0.094)

CASSONE_S002 (2) stato limite ultimo - ASTA (105- 106) 103
PROGR. 0.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	60616.8	288.5	0.0	32.9	10.7	346.7	
TENSIONI (Sz= 0.00) :							
Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	1064.3	0.0	0.0	1064.3
1- 1	si	14	Tz	1063.8	26.7	0.0	1064.8
1- 1	si	5	Ty	6.8	0.0	-41.0	71.3
PROGR. 6.							

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	62782.4	221.4	0.0	32.3	10.7	345.6	
TENSIONI (Sz= 0.00) :							
Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	1100.9	0.0	0.0	1100.9
1- 1	si	14	Tz	1100.5	26.7	0.0	1101.5
1- 1	si	5	Ty	5.6	0.0	-40.9	71.0
PROGR. 13.							

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	64941.2	154.4	0.0	31.8	10.7	344.6	
TENSIONI (Sz= 0.00) :							
Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	1137.4	0.0	0.0	1137.4
1- 1	si	14	Tz	1137.1	26.6	0.0	1138.1
1- 1	si	5	Ty	4.4	0.0	-40.7	70.7
PROGR. 19.							

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	67093.2	87.3	0.0	31.2	10.7	343.5	
TENSIONI (Sz= 0.00) :							
Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	1173.7	0.0	0.0	1173.7
1- 1	si	14	Tz	1173.6	26.5	0.0	1174.5
1- 1	si	5	Ty	3.2	0.0	-40.6	70.4
PROGR. 25.							

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	69238.3	20.3	0.0	30.7	10.7	342.4	
TENSIONI (Sz= 0.00) :							
Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	1210.0	0.0	0.0	1210.0
1- 1	si	14	Tz	1209.9	26.4	0.0	1210.8
1- 1	si	5	Ty	2.0	0.0	-40.5	70.1
PROGR. 31.							

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	71376.7	-46.8	0.0	30.2	10.7	341.3	
TENSIONI (Sz= 0.00) :							
Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	1247.7	0.0	0.0	1247.7
1- 1	si	14	Tz	1246.2	26.3	0.0	1247.0
1- 1	si	5	Ty	0.8	0.0	-40.3	69.9
1- 1	si	16	Si	1247.6	-24.6	0.0	1248.4
PROGR. 38.							

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	73508.2	-113.8	0.0	29.6	10.7	340.2	
TENSIONI (Sz= 0.00) :							
Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	1286.0	0.0	0.0	1286.0
1- 1	si	14	Tz	1282.3	26.3	0.0	1283.1
1- 1	si	5	Ty	-0.4	0.0	-40.2	69.7
1- 1	si	16	Si	1285.8	-24.5	0.0	1286.5
PROGR. 44.							

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	75633.0	-180.9	0.0	29.1	10.7	339.1	
TENSIONI (Sz= 0.00) :							
Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	1324.3	0.0	0.0	1324.3
1- 1	si	14	Tz	1318.3	26.2	0.0	1319.0
1- 1	si	5	Ty	-1.6	0.0	-40.1	69.4
1- 1	si	16	Si	1323.9	-24.4	0.0	1324.6
PROGR. 50.							

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	77750.9	-247.9	0.0	28.6	10.7	338.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	3	Sx	1362.3	0.0	1362.3
1- 1	si	14	Tz	1354.1	26.1	0.0
1- 1	si	5	Ty	-2.8	0.0	-40.0
1- 1	si	16	Si	1361.9	-24.3	0.0
						1362.6

VERIFICA STABILITA` :

Z | L0 = 50. | Ro = 3.88 | Im = 12.9 | Ncr= 2375909.8 | alfa(a)=0.2100 | ki=1.0000 |
Y | Lc = 50. | Ro = 3.88 | Im = 12.9 | Ncr= 2375909.8 | alfa(a)=0.2100 | ki=1.0000 |
Caso 4-12 - Nodo 2 - Asse Z
Ned = -37.0 | Mzeq = 15224.2 | Myeq = 185.3 | Ss = -270.8 (0.121)

CASSONE_S002 (2) stato limite ultimo - ASTA (106- 107) 105
PROGR. 0.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	77750.9	-247.9	0.5	-34.6	-10.8	183.5
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	1	Sx	-1362.7	0.0	0.0
1- 1	si	13	Tz	-1362.2	-14.6	0.0
1- 1	si	5	Ty	-6.1	0.0	-21.7
						38.1
						PROGR. 6.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	78894.3	-180.4	0.5	-35.1	-10.8	182.4
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	1	Sx	-1381.5	0.0	0.0
1- 1	si	13	Tz	-1381.1	-14.5	0.0
1- 1	si	5	Ty	-5.0	0.0	-21.6
						37.7
						PROGR. 13.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	80030.9	-113.0	0.5	-35.7	-10.8	181.3
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	1	Sx	-1400.1	0.0	0.0
1- 1	si	13	Tz	-1399.9	-14.4	0.0
1- 1	si	5	Ty	-3.8	0.0	-21.4
						37.3
						PROGR. 19.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	81160.7	-45.5	0.5	-36.2	-10.8	180.2
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	1	Sx	-1418.7	0.0	0.0
1- 1	si	13	Tz	-1418.6	-14.3	0.0
1- 1	si	5	Ty	-2.7	0.0	-21.3
						37.0
						PROGR. 25.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	82283.7	22.0	0.5	-36.7	-10.8	179.1
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	-1437.9	0.0	0.0
1- 1	si	13	Tz	-1437.2	-14.3	0.0
1- 1	si	5	Ty	-1.5	0.0	-21.2
1- 1	si	15	Si	-1437.9	12.5	0.0
						1438.0
						PROGR. 31.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	83399.8	89.5	0.5	-37.3	-10.8	178.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	-1458.6	0.0	0.0
1- 1	si	13	Tz	-1455.6	-14.2	0.0
1- 1	si	5	Ty	-0.4	0.0	-21.1
1- 1	si	15	Si	-1458.4	12.4	0.0
						1458.6
						PROGR. 38.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	84509.2	157.0	0.5	-37.8	-10.8	177.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	-1479.2	0.0	0.0
1- 1	si	13	Tz	-1474.0	-14.1	0.0
1- 1	si	5	Ty	0.7	0.0	-20.9
						36.2
						PROGR. 44.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	85611.8	224.5	0.5	-38.3	-10.8	175.9
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	-1499.6	0.0	0.0
1- 1	si	13	Tz	-1492.2	-14.0	0.0
1- 1	si	5	Ty	1.9	0.0	-20.8
						36.1

----- PROGR. 50.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	86707.6	292.0	0.5	-38.9	-10.8	174.8

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	-1519.9	0.0	1519.9
1- 1	si	13	Tz		-1510.2	-13.9	1510.4
1- 1	si	5	Ty		3.0	0.0	35.9

VERIFICA STABILITA' :

Z | L0 = 50. | Ro = 3.88 | Im = 12.9 | Ncr= 2375909.8 | alfa(a)=0.2100 | ki=1.0000 |

Y | Lc = 50. | Ro = 3.88 | Im = 12.9 | Ncr= 2375909.8 | alfa(a)=0.2100 | ki=1.0000 |

Caso 1- 1 - Nodo 2 - Asse Z

Ned = -38.9 | Mzeq = 86707.6 | Myeq = 219.0 | Ss = -1518.7 (0.679)

CASSONE_S002 (2) stato limite ultimo - ASTA (107- 108) 107

----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	86707.6	292.0	1.0	-101.4	9.3	24.9

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	-1523.2	0.0	1523.2
1- 1	si	14	Tz		1512.0	2.6	1512.0
1- 1	si	5	Ty		-0.2	0.0	5.1

----- PROGR. 6.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	86859.9	233.7	1.0	-101.9	9.3	23.8

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	-1524.9	0.0	1524.9
1- 1	si	14	Tz		1513.7	2.6	1513.7
1- 1	si	5	Ty		-1.3	0.0	5.1

----- PROGR. 12.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	87005.3	175.5	1.0	-102.5	9.3	22.7

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	-1526.4	0.0	1526.4
1- 1	si	14	Tz		1515.3	2.5	1515.3
1- 1	si	5	Ty		-2.3	0.0	5.2

----- PROGR. 19.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	87144.0	117.3	1.0	-103.0	9.3	21.6

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	-1527.9	0.0	1527.9
1- 1	si	14	Tz		1516.8	2.4	1516.8
1- 1	si	5	Ty		-3.4	0.0	5.6

----- PROGR. 25.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	87275.8	59.1	1.0	-103.5	9.3	20.5

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	-1529.2	0.0	1529.2
1- 1	si	14	Tz		1518.2	2.3	1518.2
1- 1	si	5	Ty		-4.4	0.0	6.1

----- PROGR. 31.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	87400.9	0.9	1.0	-104.1	9.3	19.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	-1530.4	0.0	1530.4
1- 1	si	14	Tz		1519.4	2.2	1519.4
1- 1	si	10	Ty		-1377.9	0.0	1377.9
1- 1	si	15	Si		-1530.4	2.2	1530.4

----- PROGR. 37.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	87519.1	-57.4	1.0	-104.6	9.3	18.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	-1533.4	0.0	1533.4
1- 1	si	14	Tz		1520.5	2.2	1520.5
1- 1	si	10	Ty		-1378.8	0.0	1378.8

----- PROGR. 44.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	87630.6	-115.6	1.0	-105.2	9.3	17.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	-1536.4	0.0	1536.4
1- 1	si	14	Tz		1521.5	2.1	1521.5
1- 1	si	10	Ty		-1379.5	0.0	1379.5

----- PROGR. 50.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	87735.2	-173.8	1.0	-105.7	9.3	16.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	-1539.3	0.0	1539.3
1- 1	si	14	Tz		1522.4	0.0	1522.4
1- 1	si	10	Ty		-1380.2	0.0	1380.2

VERIFICA STABILITA' :

Z | L0 = 50. | Ro = 3.88 | Im = 12.9 | Ncr= 2375909.9 | alfa(a)=0.2100 | ki=1.0000 |

Y | Lc = 50. | Ro = 3.88 | Im = 12.9 | Ncr= 2375909.9 | alfa(a)=0.2100 | ki=1.0000 |

Caso 1- 1 - Nodo 2 - Asse Z

Ned = -105.7 | Mzeq = 87735.2 | Myeq = 219.0 | Ss = -1540.2 (0.688)

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----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	87735.2	-173.8	1.0	-168.4	-9.0	-133.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	-1542.6	0.0	1542.6
1- 1	si	14	Tz		1519.1	0.0	1519.2
1- 1	si	5	Ty		-11.9	0.0	15.8

----- PROGR. 6.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	86906.2	-117.9	1.0	-168.9	-9.0	-134.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	-1527.2	0.0	1527.2
1- 1	si	14	Tz		1505.5	0.0	1505.6
1- 1	si	5	Ty		-10.9	0.0	15.9

----- PROGR. 12.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	86070.4	-62.0	1.0	-169.4	-9.0	-135.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	-1511.7	0.0	1511.7
1- 1	si	14	Tz		1491.8	0.0	1491.9
1- 1	si	5	Ty		-10.0	0.0	16.0

----- PROGR. 19.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	85228.0	-6.1	1.0	-170.0	-9.0	-136.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	Si	-1496.0	0.0	1496.0
1- 1	si	14	Tz		1477.9	0.0	1478.0
1- 1	si	5	Ty		-9.1	0.0	16.1
1- 1	si	13	Si		-1496.0	9.4	0.0

----- PROGR. 25.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	84378.9	49.8	1.0	-170.5	-9.0	-137.5

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	-1482.0	0.0	1482.0
1- 1	si	14	Tz		1464.0	0.0	1464.1
1- 1	si	5	Ty		-8.1	0.0	16.3
1- 1	si	15	Si		-1481.9	-11.0	0.0

----- PROGR. 31.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	83523.2	105.7	1.0	-171.0	-9.0	-138.6

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	-1468.1	0.0	1468.1
1- 1	si	14	Tz		1449.9	0.0	1450.0
1- 1	si	5	Ty		-7.2	0.0	16.4

----- PROGR. 37.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	82660.7	161.6	1.0	-171.6	-9.0	-139.7

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	-1454.0	0.0	1454.0
1- 1	si	14	Tz		1435.7	0.0	1435.8
1- 1	si	5	Ty		-6.2	0.0	16.5

----- PROGR. 43.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	81791.5	217.5	1.0	-172.1	-9.0	-140.7

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	Si	-1439.9	0.0	1439.9
1- 1	si	14	Tz		1421.4	0.0	1421.5

1- 1 si 5	Ty	-5.3	0.0	16.6	29.3	50.
-----						PROGR.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	80915.7	273.4	1.0	-172.6	-9.0	-141.8

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 2	Sx	Si		-1425.6	0.0	0.0	1425.6
1- 1 si 14	Tz			1406.9	-11.3	0.0	1407.1
1- 1 si 5	Ty			-4.3	0.0	16.8	29.4

VERIFICA STABILITA' :

LO = 50.
 Z |Lc = 50. |Ro = 3.88|lm = 12.8|Ncr= 2408024.2|alfa(a)=0.2100|ki=1.0000|
 Y |Lc = 50. |Ro = 3.88|lm = 12.8|Ncr= 2408024.2|alfa(a)=0.2100|ki=1.0000|
 Caso 1- 1 - Nodo 2 - Asse Z
 Ned = -172.6|Mzeq = 87735.2|Myeq = 205.0|Ss = -1543.5 (0.690)

CASSONE_S002 (2) stato limite ultimo - ASTA (109- 111) 111
 ----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	80915.7	273.4	0.8	-317.7	22.1	-301.7

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 2	Sx	Si		-1433.2	0.0	0.0	1433.2
1- 1 si 13	Tz			-1424.2	24.3	0.0	1424.8
1- 1 si 5	Ty			-12.0	0.0	35.7	62.9

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	79013.0	134.1	0.8	-318.2	22.1	-302.8

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 2	Sx	Si		-1397.6	0.0	0.0	1397.6
1- 1 si 13	Tz			-1393.2	24.4	0.0	1393.8
1- 1 si 5	Ty			-14.4	0.0	35.8	63.7
1- 1 si 15	Si			-1397.4	-20.8	0.0	1397.9

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	77103.4	-5.2	0.8	-318.7	22.1	-303.9

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 1	Sx	Si		-1362.1	0.0	0.0	1362.1
1- 1 si 13	Tz			-1362.1	24.5	0.0	1362.7
1- 1 si 5	Ty			-16.9	0.0	35.9	64.5

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	75186.9	-144.5	0.8	-319.3	22.1	-305.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 1	Sx	Si		-1331.1	0.0	0.0	1331.1
1- 1 si 13	Tz			-1330.9	24.6	0.0	1331.5
1- 1 si 5	Ty			-19.3	0.0	36.1	65.4

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	73263.6	-283.7	0.8	-319.8	22.1	-306.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 1	Sx	Si		-1300.0	0.0	0.0	1300.0
1- 1 si 13	Tz			-1299.5	24.7	0.0	1300.2
1- 1 si 5	Ty			-21.8	0.0	36.2	66.4

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	71333.3	-423.0	0.8	-320.4	22.1	-307.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 1	Sx	Si		-1268.8	0.0	0.0	1268.8
1- 1 si 13	Tz			-1268.1	24.8	0.0	1268.8
1- 1 si 5	Ty			-24.2	0.0	36.3	67.4

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	69396.1	-562.3	0.8	-320.9	22.1	-308.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 1	Sx	Si		-1237.4	0.0	0.0	1237.4
1- 1 si 13	Tz			-1236.5	24.8	0.0	1237.2
1- 1 si 5	Ty			-26.7	0.0	36.5	68.5

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	67452.1	-701.6	0.8	-321.4	22.1	-309.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 1	Sx	Si		-1206.0	0.0	0.0	1206.0
1- 1 si 13	Tz			-1204.8	24.9	0.0	1205.5

1- 1	si	5	Ty	-29.2	0.0	36.6	69.7	50.
-----								PROGR.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	65501.1	-840.8	0.8	-322.0	22.1	-310.5

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-1174.4	0.0	0.0	1174.4
1- 1	si	13	Tz	-1172.9	25.0	0.0	1173.7
1- 1	si	5	Ty	-31.6	0.0	36.7	71.0

VERIFICA STABILITA' :

LO = 50.
 Z LC = 50. Ro = 3.88 lm = 13.0 Ncr= 2344433.7 alfa(a)=0.2100 ki=1.0000
 Y LC = 50. Ro = 3.88 lm = 13.0 Ncr= 2344433.7 alfa(a)=0.2100 ki=1.0000
 Caso 1- 1 - Nodo 1 - Asse Z
 Ned = -322.0 Mzeq = 80915.7 Myeq = -630.6 Ss = -1439.9 (0.643)

CASSONE_S002 (2) stato limite ultimo - ASTA (111- 113) 113
 ----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	65501.1	-840.8	0.1	-398.1	13.3	-473.9

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-1178.4	0.0	0.0	1178.4
1- 1	si	13	Tz	-1177.0	36.4	0.0	1178.6
1- 1	si	5	Ty	-35.6	0.0	56.0	103.4

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	62533.3	-923.9	0.1	-398.7	13.3	-475.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-1128.1	0.0	0.0	1128.1
1- 1	si	13	Tz	-1126.5	36.5	0.0	1128.3
1- 1	si	5	Ty	-37.1	0.0	56.1	104.1

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	59558.6	-1007.0	0.1	-399.2	13.3	-476.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-1077.7	0.0	0.0	1077.7
1- 1	si	13	Tz	-1075.9	36.6	0.0	1077.8
1- 1	si	5	Ty	-38.6	0.0	56.3	104.8

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	56577.2	-1090.0	0.1	-399.7	13.3	-477.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-1027.2	0.0	0.0	1027.2
1- 1	si	13	Tz	-1025.3	36.7	0.0	1027.2
1- 1	si	5	Ty	-40.1	0.0	56.4	105.6

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	53588.9	-1173.1	0.1	-400.3	13.3	-478.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-976.5	0.0	0.0	976.5
1- 1	si	13	Tz	-974.4	36.8	0.0	976.5
1- 1	si	5	Ty	-41.5	0.0	56.5	106.4

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	50593.8	-1256.1	0.1	-400.8	13.3	-479.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-925.7	0.0	0.0	925.7
1- 1	si	13	Tz	-923.5	36.9	0.0	925.7
1- 1	si	5	Ty	-43.0	0.0	56.7	107.1

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	47592.0	-1339.2	0.1	-401.3	13.3	-480.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-874.8	0.0	0.0	874.8
1- 1	si	13	Tz	-872.5	36.9	0.0	874.8
1- 1	si	5	Ty	-44.5	0.0	56.8	108.0

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	44583.3	-1422.3	0.1	-401.9	13.3	-481.5

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-823.8	0.0	0.0	823.8
1- 1	si	13	Tz	-821.3	37.0	0.0	823.8
1- 1	si	5	Ty	-46.0	0.0	56.9	108.8

----- PROGR. 50.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	41567.8	-1505.3	0.1	-402.4	13.3	-482.6

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-772.7	0.0	0.0	772.7
1- 1	si	13	Tz	-770.0	37.1	0.0	772.7
1- 1	si	5	Ty	-47.4	0.0	57.0	109.6

VERIFICA STABILITA' :

LO = 50. | Ro = 3.88 | Im = 12.9 | Ncr= 2375909.8 | alfa(a)=0.2100 | ki=1.0000 |

Z | LC = 50. | Ro = 3.88 | Im = 12.9 | Ncr= 2375909.8 | alfa(a)=0.2100 | ki=1.0000 |

Y | LC = 50. | Ro = 3.88 | Im = 12.9 | Ncr= 2375909.8 | alfa(a)=0.2100 | ki=1.0000 |

Caso 1- 1 - Nodo 1 - Asse Z

Ned = -402.4 | Mzeq = 65501.1 | Myeq = -1505.3 | ss = -1190.4 (0.532)

CASSONE_S002 (2) stato limite ultimo - ASTA (113- 114) 115

----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	41567.8	-1505.3	1.5	-521.9	-82.6	-661.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-779.0	0.0	0.0	779.0
1- 1	si	14	Tz	674.1	-56.2	0.0	681.1
1- 1	si	5	Ty	-53.7	0.0	78.1	145.6
1- 1	si	13	Si	-776.3	42.5	0.0	779.8

----- PROGR. 6.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	37440.7	-990.0	1.5	-522.4	-82.6	-662.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-698.0	0.0	0.0	698.0
1- 1	si	14	Tz	610.2	-56.2	0.0	617.9
1- 1	si	5	Ty	-44.8	0.0	78.3	142.8
1- 1	si	13	Si	-696.3	42.6	0.0	700.2

----- PROGR. 13.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	33306.7	-474.6	1.5	-523.0	-82.6	-663.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-616.9	0.0	0.0	616.9
1- 1	si	14	Tz	546.1	-56.3	0.0	554.8
1- 1	si	5	Ty	-35.8	0.0	78.4	140.4
1- 1	si	13	Si	-616.1	42.6	0.0	620.5

----- PROGR. 19.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	29166.1	40.7	1.5	-523.5	-82.6	-664.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-537.1	0.0	0.0	537.1
1- 1	si	14	Tz	481.9	-56.4	0.0	491.7
1- 1	si	5	Ty	-26.8	0.0	78.5	138.6
1- 1	si	15	Si	-537.1	-56.4	0.0	545.9

----- PROGR. 25.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	25018.6	556.1	1.5	-524.0	-82.6	-665.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-473.8	0.0	0.0	473.8
1- 1	si	14	Tz	417.6	-56.5	0.0	429.0
1- 1	si	5	Ty	-17.9	0.0	78.7	137.4
1- 1	si	15	Si	-472.8	-56.5	0.0	482.8

----- PROGR. 31.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	20864.4	1071.4	1.5	-524.6	-82.6	-666.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-410.3	0.0	0.0	410.3
1- 1	si	14	Tz	353.2	-56.6	0.0	366.6
1- 1	si	5	Ty	-8.9	0.0	78.8	136.8
1- 1	si	15	Si	-408.5	-56.6	0.0	420.0

----- PROGR. 38.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	16703.4	1586.8	1.5	-525.1	-82.6	-667.5

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-346.7	0.0	0.0	346.7
1- 1	si	14	Tz	288.7	-56.6	0.0	304.9
1- 1	si	5	Ty	0.0	0.0	78.9	136.7
1- 1	si	15	Si	-344.0	-56.6	0.0	357.7

----- PROGR. 44.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
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1- 1	12535.6	2102.1	1.5	-525.6	-82.6	-668.6
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	-283.0	0.0	0.0
1- 1	si	14	Tz	224.1	-56.7	0.0
1- 1	si	5	Ty	9.0	0.0	79.0
1- 1	si	15	Si	-279.4	-56.7	0.0
						50.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	8361.1	2617.5	1.5	-526.2	-82.6	-669.7
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	-219.2	0.0	0.0
1- 1	si	14	Tz	159.3	-56.8	0.0
1- 1	si	5	Ty	18.0	0.0	79.2
1- 1	si	15	Si	-214.7	-56.8	0.0
						50.

VERIFICA STABILITA' :

LO = 50.
 Z | Lc = 50. | Ro = 3.88 | Im = 12.9 | Ncr= 2375909.8 | alfa(a)=0.2100 | ki=1.0000 |
 Y | Lc = 50. | Ro = 3.88 | Im = 12.9 | Ncr= 2375909.8 | alfa(a)=0.2100 | ki=1.0000 |
 Caso 1- 1 - Nodo 2 - Asse Z
 Ned = -526.2 | Mzeq = 32500.7 | Myeq = 1963.1 | Ss = -629.1 (0.281)

CASSONE_S002 (2) stato limite ultimo - ASTA (114- 125) 117
0.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	8361.1	2617.5	4.3	-602.7	622.9	-853.1
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	-223.3	0.0	0.0
1- 1	si	13	Tz	-136.5	115.3	0.0
1- 1	si	9	Ty	-117.3	0.0	117.2
						2.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	6791.7	1471.8	4.3	-602.9	622.9	-853.4
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	-175.9	0.0	0.0
1- 1	si	13	Tz	-127.1	115.3	0.0
1- 1	si	9	Ty	-112.7	0.0	117.2
						4.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	5221.8	326.2	4.3	-603.0	622.9	-853.8
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	-128.5	0.0	0.0
1- 1	si	13	Tz	-117.7	115.3	0.0
1- 1	si	9	Ty	-108.0	0.0	117.3
						5.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	3651.3	-819.4	4.3	-603.2	622.9	-854.1
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	1	Sx	-109.7	0.0	0.0
1- 1	si	13	Tz	-108.3	115.4	0.0
1- 1	si	9	Ty	-103.4	0.0	117.3
						7.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	2080.2	-1965.1	4.3	-603.3	622.9	-854.4
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	1	Sx	-102.3	0.0	0.0
1- 1	si	13	Tz	-98.9	115.4	0.0
1- 1	si	9	Ty	-98.7	0.0	117.3
						9.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	508.5	-3110.7	4.3	-603.5	622.9	-854.7
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	1	Sx	-94.9	0.0	0.0
1- 1	si	13	Tz	-89.5	115.4	0.0
1- 1	si	9	Ty	-94.0	0.0	117.3
						11.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1063.8	-4256.4	4.3	-603.6	622.9	-855.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	4	Sx	-124.6	0.0	0.0
1- 1	si	13	Tz	-80.0	115.4	0.0
1- 1	si	9	Ty	-89.3	0.0	117.4
						13.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-2636.7	-5402.0	4.3	-603.8	622.9	-855.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-172.0	0.0	0.0	172.0
1- 1	si	13	Tz	-70.6	115.5	0.0	212.1
1- 1	si	9	Ty	-84.6	0.0	117.4	220.2

----- PROGR. 15.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-4210.2	-6547.7	4.3	-604.0	622.9	-855.7

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-219.5	0.0	0.0	219.5
1- 1	si	13	Tz	-61.1	115.5	0.0	209.2
1- 1	si	9	Ty	-79.9	0.0	117.4	218.5
1- 1	si	5	Si	-146.0	0.0	101.2	228.1

VERIFICA STABILITA` :

Z | L0 = 15. |
 | Lc = 15. | Ro = 3.88 | Im = 3.8 | Ncr= 27617092.9 | alfa(a)=0.2100 | ki=1.0000 |
 Y | Lc = 15. | Ro = 3.88 | Im = 3.8 | Ncr= 27617092.9 | alfa(a)=0.2100 | ki=1.0000 |
 Caso 1- 1 - Nodo 1 - Asse Z
 Ned = -604.0 | Mzeq = 6270.8 | Myeq = -4910.7 | Ss = -226.9 (0.101)

9. VERIFICA ARCARECCI

VERIFICA ELEMENTI IN ACCIAIO
 lavoro : NOLEP7
 data : 2020_12_14_10_30

Unità di misura:
 Lunghezze: cm
 Prop.Sez.: cm
 Forze: daN
 Momenti: daNcm
 Tensioni: daN/cm²

MATERIALI

S235 (EN 10025-2): Mod.EI = 2100000.0; gM = 1.050;
 fyk = 2350.0(2150.0 per sp>40 mm); fyd = 2238.1(2047.6 per sp>40 mm).

CASI DI CARICO

N	Descrizione	SoIl.
1	SLU SENZA SISMA	1
4	SLU con SISMAX PRINC	16
5	SLU con SISMAY PRINC	16

CARATTERISTICHE GEOMETRICHE

CASSONE_S003 (3) :

A = 4.4400E+00 Jz = 10.1972E+00 Jy = 10.1972E+00 Jt = 15.1959E+00
 base = 4. ; alt = 4. ; spsup = 0. ; spsx = 0. ; spdx = 0. ; spinf = 0.

CASSONE_S003 (3) stato limite ultimo - ASTA (27- 100) 20
 PROGR. 0.

SOLLECITAZIONI

Caso	MZ	MY	MT	N	TZ	TY
5-13	0.0	0.0	0.0	0.0	0.0	0.0
4- 8	0.0	0.0	0.0	0.0	0.0	0.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
5-13	si	1	Sx	0.0	0.0	0.0	0.0
4- 8	si	14	Tz	0.0	0.0	0.0	0.0
4- 8	si	10	Ty	0.0	0.0	0.0	0.0

PROGR. 2.

SOLLECITAZIONI

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1.9	-0.9	0.0	0.0	1.0	-2.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	0.6	0.0	0.0	0.6
1- 1	si	13	Tz	0.2	1.0	0.0	1.7
1- 1	si	9	Ty	0.1	0.0	1.0	1.8

PROGR. 4.

SOLLECITAZIONI

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-7.7	-3.7	0.0	0.0	2.0	-4.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	2.2	0.0	0.0	2.2
1- 1	si	13	Tz	0.9	2.0	0.0	3.5
1- 1	si	9	Ty	0.5	0.0	2.1	3.7

PROGR. 6.

SOLLECITAZIONI

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-17.2	-8.4	0.0	0.0	3.0	-6.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	5.0	0.0	0.0	5.0
1- 1	si	13	Tz	2.0	3.0	0.0	5.5
1- 1	si	9	Ty	1.2	0.0	3.1	5.6
1- 1	si	5	Si	-1.6	0.0	3.1	5.6

PROGR. 8.

SOLLECITAZIONI

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-30.7	-15.0	0.0	0.0	4.0	-8.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	8.9	0.0	0.0	8.9
1- 1	si	13	Tz	3.5	4.0	0.0	7.7
1- 1	si	9	Ty	2.2	0.0	4.2	7.6

PROGR. 9.

SOLLECITAZIONI

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-47.9	-23.4	0.0	0.0	5.0	-10.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	14.0	0.0	0.0	14.0
1- 1	si	13	Tz	5.5	5.0	0.0	10.2
1- 1	si	9	Ty	3.4	0.0	5.2	9.7

PROGR. 11.

SOLLECITAZIONI :									
Caso		MZ		MY		MT		N	
1- 1		-69.0		-33.6		0.0		0.0	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx		Tz		Ty	Si
1- 1	si	2	Sx	20.1		0.0		0.0	20.1
1- 1	si	13	Tz	7.9		6.0		0.0	13.0
1- 1	si	9	Ty	4.9		0.0		6.3	12.0

PROGR. 13.

SOLLECITAZIONI :									
Caso		MZ		MY		MT		N	
1- 1		-93.9		-45.8		0.0		0.0	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx		Tz		Ty	Si
1- 1	si	2	Sx	27.4		0.0		0.0	27.4
1- 1	si	13	Tz	10.8		6.9		0.0	16.1
1- 1	si	9	Ty	6.7		0.0		7.3	14.4

PROGR. 15.

SOLLECITAZIONI :									
Caso		MZ		MY		MT		N	
1- 1		-122.6		-59.8		0.0		0.0	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx		Tz		Ty	Si
1- 1	si	2	Sx	35.8		0.0		0.0	35.8
1- 1	si	13	Tz	14.1		7.9		0.0	19.7
1- 1	si	9	Ty	8.7		0.0		8.4	16.9

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

CASSONE_S003 (3) stato limite ultimo - ASTA (29- 99) 21
PROGR. 0.

SOLLECITAZIONI :									
Caso		MZ		MY		MT		N	
5-15		0.0		0.0		0.0		0.0	
4- 8		0.0		0.0		0.0		0.0	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx		Tz		Ty	Si
5-15	si	1	Sx	0.0		0.0		0.0	0.0
4- 8	si	14	Tz	0.0		0.1		0.0	0.2
4- 8	si	10	Ty	0.0		0.0		-0.1	0.2
4- 8	si	15	Si	0.0		0.1		0.0	0.2

PROGR. 2.

SOLLECITAZIONI :									
Caso		MZ		MY		MT		N	
1- 1		-1.9		-0.9		0.0		0.0	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx		Tz		Ty	Si
1- 1	si	2	Sx	0.6		0.0		0.0	0.6
1- 1	si	13	Tz	0.2		1.0		0.0	1.7
1- 1	si	9	TySi	0.1		0.0		1.0	1.8

PROGR. 4.

SOLLECITAZIONI :									
Caso		MZ		MY		MT		N	
1- 1		-7.7		-3.7		0.0		0.0	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx		Tz		Ty	Si
1- 1	si	2	Sx	2.2		0.0		0.0	2.2
1- 1	si	13	Tz	0.9		2.0		0.0	3.5
1- 1	si	9	TySi	0.5		0.0		2.1	3.7

PROGR. 6.

SOLLECITAZIONI :									
Caso		MZ		MY		MT		N	
1- 1		-17.2		-8.4		0.0		0.0	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx		Tz		Ty	Si
1- 1	si	2	Sx	5.0		0.0		0.0	5.0
1- 1	si	13	Tz	2.0		3.0		0.0	5.5
1- 1	si	9	Ty	1.2		0.0		3.1	5.6
1- 1	si	5	Si	-1.6		0.0		3.1	5.6

PROGR. 8.

SOLLECITAZIONI :									
Caso		MZ		MY		MT		N	
1- 1		-30.7		-15.0		0.0		0.0	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx		Tz		Ty	Si
1- 1	si	2	Sx	8.9		0.0		0.0	8.9
1- 1	si	13	Tz	3.5		4.0		0.0	7.7
1- 1	si	9	Ty	2.2		0.0		4.2	7.6

PROGR. 9.

SOLLECITAZIONI :									
Caso		MZ		MY		MT		N	
1- 1		-47.9		-23.4		0.0		0.0	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx		Tz		Ty	Si
1- 1	si	2	Sx	14.0		0.0		0.0	14.0
1- 1	si	13	Tz	5.5		5.0		0.0	10.2
1- 1	si	9	Ty	3.4		0.0		5.2	9.7

PROGR. 11.

SOLLECITAZIONI :									
Caso		MZ		MY		MT		N	
1- 1		-69.0		-33.6		0.0		0.0	
TENSIONI (Sz= 0.00) :									

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	20.1	0.0	0.0	20.1
1- 1	si	13	Tz	7.9	6.0	0.0	13.0
1- 1	si	9	Ty	4.9	0.0	6.3	12.0

SOLLECITAZIONI :							
Caso	Vel	No	massimi	MY	MT	N	TZ
1- 1			MZ	-93.9	0.0	0.0	7.0
TENSIONI (Sz= 0.00) :							
Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	27.4	0.0	0.0	27.4
1- 1	si	13	Tz	10.8	6.9	0.0	16.1
1- 1	si	9	Ty	6.7	0.0	7.3	14.4

SOLLECITAZIONI :							
Caso	Vel	No	massimi	MY	MT	N	TZ
1- 1			MZ	-122.6	0.0	0.0	8.0
TENSIONI (Sz= 0.00) :							
Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	35.8	0.0	0.0	35.8
1- 1	si	13	Tz	14.1	7.9	0.0	19.7
1- 1	si	9	Ty	8.7	0.0	8.4	16.9

VERIFICA STABILITA` :							
L0 = 15. Ro = 1.52 lm = 9.9 Ncr= 939328.4 alfa(a)=0.2100 ki=1.0000							
Z Lc = 15. Ro = 1.52 lm = 9.9 Ncr= 939328.4 alfa(a)=0.2100 ki=1.0000							
Y Lc = 15. Ro = 1.52 lm = 9.9 Ncr= 939328.4 alfa(a)=0.2100 ki=1.0000							
Caso 4- 7 - Nodo 4 - Asse Z							
Ned = 0.0 Mzeq = -13.0 Myeq = -9.0 Ss = -4.3 (0.002)							

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SOLLECITAZIONI :							
Caso	Vel	No	massimi	MY	MT	N	TZ
5-11			MZ	0.0	0.0	0.2	-0.1
4- 8				0.0	0.0	0.0	0.2
4- 7				0.0	0.0	0.1	0.2
TENSIONI (Sz= 0.00) :							
Caso	Vel	No	massimi	Sx	Tz	Ty	Si
5-11	si	1	Sx	0.0	0.0	0.0	0.0
4- 8	si	14	Tz	0.0	0.1	0.0	0.2
4- 8	si	10	Ty	0.0	0.0	-0.1	0.2
4- 7	si	14	Si	0.0	0.1	0.0	0.2

SOLLECITAZIONI :							
Caso	Vel	No	massimi	MY	MT	N	TZ
1- 1			MZ	-1.9	0.0	0.0	1.0
TENSIONI (Sz= 0.00) :							
Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	0.6	0.0	0.0	0.6
1- 1	si	13	Tz	0.2	1.0	0.0	1.7
1- 1	si	9	Ty	0.1	0.0	1.0	1.8

SOLLECITAZIONI :							
Caso	Vel	No	massimi	MY	MT	N	TZ
1- 1			MZ	-7.7	0.0	0.0	2.0
TENSIONI (Sz= 0.00) :							
Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	2.2	0.0	0.0	2.2
1- 1	si	13	Tz	0.9	2.0	0.0	3.5
1- 1	si	9	Ty	0.5	0.0	2.1	3.7

SOLLECITAZIONI :							
Caso	Vel	No	massimi	MY	MT	N	TZ
1- 1			MZ	-17.2	0.0	0.0	3.0
TENSIONI (Sz= 0.00) :							
Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	5.0	0.0	0.0	5.0
1- 1	si	13	Tz	2.0	3.0	0.0	5.5
1- 1	si	9	Ty	1.2	0.0	3.1	5.6
1- 1	si	5	Si	-1.6	0.0	3.1	5.6

SOLLECITAZIONI :							
Caso	Vel	No	massimi	MY	MT	N	TZ
1- 1			MZ	-30.7	0.0	0.0	4.0
TENSIONI (Sz= 0.00) :							
Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	8.9	0.0	0.0	8.9
1- 1	si	13	Tz	3.5	4.0	0.0	7.7
1- 1	si	9	Ty	2.2	0.0	4.2	7.6

SOLLECITAZIONI :							
Caso	Vel	No	massimi	MY	MT	N	TZ
1- 1			MZ	-47.9	0.0	0.0	5.0
TENSIONI (Sz= 0.00) :							
Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	14.0	0.0	0.0	14.0
1- 1	si	13	Tz	5.5	5.0	0.0	10.2
1- 1	si	9	Ty	3.4	0.0	5.2	9.7

SOLLECITAZIONI :							

Caso	1- 1	MZ	-69.0	MY	-33.6	MT	0.0	N	0.0	TZ	6.0	TY	-12.3
TENSIONI (Sz=	0.00)												
Caso	1- 1	Vel	No	massimi	Sx	Tz	Ty	Si					
1- 1	si	2	Sx	Si	20.1	0.0	0.0	20.1					
1- 1	si	13	Tz		7.9	6.0	0.0	13.0					
1- 1	si	9	Ty		4.9	0.0	6.3	12.0					
										PROGR.			13.

SOLLECITAZIONI	:												
Caso	1- 1	MZ	-93.9	MY	-45.8	MT	0.0	N	0.0	TZ	7.0	TY	-14.3
TENSIONI (Sz=	0.00)												
Caso	1- 1	Vel	No	massimi	Sx	Tz	Ty	Si					
1- 1	si	2	Sx	Si	27.4	0.0	0.0	27.4					
1- 1	si	13	Tz		10.8	6.9	0.0	16.1					
1- 1	si	9	Ty		6.7	0.0	7.3	14.4					
										PROGR.			15.

SOLLECITAZIONI	:												
Caso	1- 1	MZ	-122.6	MY	-59.8	MT	0.0	N	0.0	TZ	8.0	TY	-16.3
TENSIONI (Sz=	0.00)												
Caso	1- 1	Vel	No	massimi	Sx	Tz	Ty	Si					
1- 1	si	2	Sx	Si	35.8	0.0	0.0	35.8					
1- 1	si	13	Tz		14.1	7.9	0.0	19.7					
1- 1	si	9	Ty		8.7	0.0	8.4	16.9					

VERIFICA STABILITA` :

Z | L0 = 15. | Ro = 1.52 | lm = 9.9 | Ncr= 939328.4 | alfa(a)=0.2100 | ki=1.0000 |
 Y | Lc = 15. | Ro = 1.52 | lm = 9.9 | Ncr= 939328.4 | alfa(a)=0.2100 | ki=1.0000 |
 Caso 4- 6 - Nodo 4 - Asse Z
 Ned = -0.1 | Mzeq = -12.7 | Myeq = -9.6 | Ss = -4.4 (0.002)

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PROGR. 0.

SOLLECITAZIONI	:												
Caso	5-15	MZ	0.0	MY	0.0	MT	0.0	N	0.0	TZ	-0.1	TY	0.0
4- 8			0.0		0.0		0.0		0.0		0.3		0.1
TENSIONI (Sz=	0.00)												
Caso	5-15	Vel	No	massimi	Sx	Tz	Ty	Si					
4- 8	si	1	Sx		0.0	0.0	0.0	0.0					
4- 8	si	14	Tz		0.0	0.1	0.0	0.2					
4- 8	si	10	Ty		0.0	0.0	-0.1	0.2					
4- 8	si	15	Si		0.0	0.1	0.0	0.2					
										PROGR.			2.

SOLLECITAZIONI	:												
Caso	1- 1	MZ	-1.9	MY	-0.9	MT	0.0	N	0.0	TZ	1.0	TY	-2.0
TENSIONI (Sz=	0.00)												
Caso	1- 1	Vel	No	massimi	Sx	Tz	Ty	Si					
1- 1	si	2	Sx		0.6	0.0	0.0	0.6					
1- 1	si	13	Tz		0.2	1.0	0.0	1.7					
1- 1	si	9	Ty		0.1	0.0	1.0	1.8					
										PROGR.			4.

SOLLECITAZIONI	:												
Caso	1- 1	MZ	-7.7	MY	-3.7	MT	0.0	N	0.0	TZ	2.0	TY	-4.1
TENSIONI (Sz=	0.00)												
Caso	1- 1	Vel	No	massimi	Sx	Tz	Ty	Si					
1- 1	si	2	Sx		2.2	0.0	0.0	2.2					
1- 1	si	13	Tz		0.9	2.0	0.0	3.5					
1- 1	si	9	Ty		0.5	0.0	2.1	3.7					
										PROGR.			6.

SOLLECITAZIONI	:												
Caso	1- 1	MZ	-17.2	MY	-8.4	MT	0.0	N	0.0	TZ	3.0	TY	-6.1
TENSIONI (Sz=	0.00)												
Caso	1- 1	Vel	No	massimi	Sx	Tz	Ty	Si					
1- 1	si	2	Sx		5.0	0.0	0.0	5.0					
1- 1	si	13	Tz		2.0	3.0	0.0	5.5					
1- 1	si	9	Ty		1.2	0.0	3.1	5.6					
1- 1	si	5	Si		-1.6	0.0	3.1	5.6					
										PROGR.			8.

SOLLECITAZIONI	:												
Caso	1- 1	MZ	-30.7	MY	-15.0	MT	0.0	N	0.0	TZ	4.0	TY	-8.2
TENSIONI (Sz=	0.00)												
Caso	1- 1	Vel	No	massimi	Sx	Tz	Ty	Si					
1- 1	si	2	Sx		8.9	0.0	0.0	8.9					
1- 1	si	13	Tz		3.5	4.0	0.0	7.7					
1- 1	si	9	Ty		2.2	0.0	4.2	7.6					
										PROGR.			9.

SOLLECITAZIONI	:												
Caso	1- 1	MZ	-47.9	MY	-23.4	MT	0.0	N	0.0	TZ	5.0	TY	-10.2
TENSIONI (Sz=	0.00)												
Caso	1- 1	Vel	No	massimi	Sx	Tz	Ty	Si					
1- 1	si	2	Sx		14.0	0.0	0.0	14.0					
1- 1	si	13	Tz		5.5	5.0	0.0	10.2					
1- 1	si	9	Ty		3.4	0.0	5.2	9.7					

-----										PROGR.	11.		
SOLLECITAZIONI :													
Caso			MZ		MY		MT		N		TZ		TY
1- 1			-69.0		-33.6		0.0		0.0		6.0		-12.3
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massimi		Sx		Tz		Ty		Si		
1- 1	si	2	Sx	Si	20.1		0.0		0.0		20.1		
1- 1	si	13	Tz		7.9		6.0		0.0		13.0		
1- 1	si	9	Ty		4.9		0.0		6.3		12.0		
-----										PROGR.	13.		
SOLLECITAZIONI :													
Caso			MZ		MY		MT		N		TZ		TY
1- 1			-93.9		-45.8		0.0		0.0		7.0		-14.3
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massimi		Sx		Tz		Ty		Si		
1- 1	si	2	Sx	Si	27.4		0.0		0.0		27.4		
1- 1	si	13	Tz		10.8		6.9		0.0		16.1		
1- 1	si	9	Ty		6.7		0.0		7.3		14.4		
-----										PROGR.	15.		
SOLLECITAZIONI :													
Caso			MZ		MY		MT		N		TZ		TY
1- 1			-122.6		-59.8		0.0		0.0		8.0		-16.3
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massimi		Sx		Tz		Ty		Si		
1- 1	si	2	Sx	Si	35.8		0.0		0.0		35.8		
1- 1	si	13	Tz		14.1		7.9		0.0		19.7		
1- 1	si	9	Ty		8.7		0.0		8.4		16.9		

VERIFICA STABILITA` :										asta tesa per tutti i casi di carico.			
CASSONE_S003 (3)										stato limite ultimo - ASTA (35- 96)			24
-----										PROGR.		0.	
SOLLECITAZIONI :													
Caso			MZ		MY		MT		N		TZ		TY
5-15			0.0		0.0		0.0		0.0		-0.1		0.0
4- 8			0.0		0.0		0.0		0.0		0.3		0.1
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massimi		Sx		Tz		Ty		Si		
5-15	si	1	Sx		0.0		0.0		0.0		0.0		
4- 8	si	14	Tz		0.0		0.2		0.0		0.3		
4- 8	si	10	Ty		0.0		0.0		-0.1		0.3		
4- 8	si	15	Si		0.0		0.2		0.0		0.3		
-----										PROGR.		2.	
SOLLECITAZIONI :													
Caso			MZ		MY		MT		N		TZ		TY
1- 1			-1.9		-0.9		0.0		0.0		1.0		-2.0
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massimi		Sx		Tz		Ty		Si		
1- 1	si	2	Sx		0.6		0.0		0.0		0.6		
1- 1	si	13	Tz		0.2		1.0		0.0		1.7		
1- 1	si	9	TySi		0.1		0.0		1.0		1.8		
-----										PROGR.		4.	
SOLLECITAZIONI :													
Caso			MZ		MY		MT		N		TZ		TY
1- 1			-7.6		-3.7		0.0		0.0		2.0		-4.1
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massimi		Sx		Tz		Ty		Si		
1- 1	si	2	Sx		2.2		0.0		0.0		2.2		
1- 1	si	13	Tz		0.9		2.0		0.0		3.5		
1- 1	si	9	TySi		0.5		0.0		2.1		3.7		
-----										PROGR.		6.	
SOLLECITAZIONI :													
Caso			MZ		MY		MT		N		TZ		TY
1- 1			-17.2		-8.4		0.0		0.0		3.0		-6.1
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massimi		Sx		Tz		Ty		Si		
1- 1	si	2	Sx		5.0		0.0		0.0		5.0		
1- 1	si	13	Tz		2.0		3.0		0.0		5.5		
1- 1	si	9	Ty		1.2		0.0		3.1		5.6		
1- 1	si	5	Si		-1.6		0.0		3.1		5.6		
-----										PROGR.		8.	
SOLLECITAZIONI :													
Caso			MZ		MY		MT		N		TZ		TY
1- 1			-30.6		-14.9		0.0		0.0		4.0		-8.1
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massimi		Sx		Tz		Ty		Si		
1- 1	si	2	Sx	Si	8.9		0.0		0.0		8.9		
1- 1	si	13	Tz		3.5		4.0		0.0		7.7		
1- 1	si	9	Ty		2.2		0.0		4.2		7.6		
-----										PROGR.		9.	
SOLLECITAZIONI :													
Caso			MZ		MY		MT		N		TZ		TY
1- 1			-47.7		-23.3		0.0		0.0		5.0		-10.2
TENSIONI (Sz= 0.00) :													
Caso	Ve	No	massimi		Sx		Tz		Ty		Si		
1- 1	si	2	Sx	Si	13.9		0.0		0.0		13.9		
1- 1	si	13	Tz		5.5		4.9		0.0		10.2		
1- 1	si	9	Ty		3.4		0.0		5.2		9.7		
-----										PROGR.		11.	
SOLLECITAZIONI :													
Caso			MZ		MY		MT		N		TZ		TY
1- 1			-68.7		-33.5		0.0		0.0		6.0		-12.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx Si	20.1	0.0	0.0	20.1
1- 1	si	13	Tz	7.9	5.9	0.0	13.0
1- 1	si	9	Ty	4.9	0.0	6.3	11.9

----- PROGR. 13.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-93.6	-45.6	0.0	0.0	7.0	-14.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx Si	27.3	0.0	0.0	27.3
1- 1	si	13	Tz	10.7	6.9	0.0	16.1
1- 1	si	9	Ty	6.6	0.0	7.3	14.3

----- PROGR. 15.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-122.2	-59.6	0.0	0.0	7.9	-16.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx Si	35.7	0.0	0.0	35.7
1- 1	si	13	Tz	14.0	7.9	0.0	19.6
1- 1	si	9	Ty	8.7	0.0	8.4	16.9

VERIFICA STABILITA` :

L0 = 15. |
Z | Lc = 15. | Ro = 1.52 | Im = 9.9 | Ncr= 939328.4 | alfa(a)=0.2100 | ki=1.0000 |
Y | Lc = 15. | Ro = 1.52 | Im = 9.9 | Ncr= 939328.4 | alfa(a)=0.2100 | ki=1.0000 |
Caso 5- 2 - Nodo 4 - Asse Z
Ned = 0.0 | Mzeq = -13.5 | Myeq = -7.9 | Ss = -4.2 (0.002)

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----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5-15	0.0	0.0	0.0	0.0	-0.1	0.0
4- 6	0.0	0.0	0.0	0.0	0.3	0.2
4- 8	0.0	0.0	0.0	0.0	0.3	0.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
5-15	si	3	Sx	0.0	0.0	0.0	0.0
4- 6	si	14	Tz	0.0	0.2	0.0	0.3
4- 8	si	10	Ty	0.0	0.0	-0.2	0.3

----- PROGR. 2.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1.9	-0.9	0.0	0.0	1.0	-2.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	0.6	0.0	0.0	0.6
1- 1	si	13	Tz	0.2	1.0	0.0	1.7
1- 1	si	9	Ty	0.1	0.0	1.0	1.8

----- PROGR. 4.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-7.7	-3.7	0.0	0.0	2.0	-4.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	2.2	0.0	0.0	2.2
1- 1	si	13	Tz	0.9	2.0	0.0	3.5
1- 1	si	9	Ty	0.5	0.0	2.1	3.7

----- PROGR. 6.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-17.2	-8.4	0.0	0.0	3.0	-6.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	5.0	0.0	0.0	5.0
1- 1	si	13	Tz	2.0	3.0	0.0	5.5
1- 1	si	9	Ty	1.2	0.0	3.1	5.6
1- 1	si	5	Si	-1.6	0.0	3.1	5.6

----- PROGR. 8.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-30.7	-15.0	0.0	0.0	4.0	-8.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	8.9	0.0	0.0	8.9
1- 1	si	13	Tz	3.5	4.0	0.0	7.7
1- 1	si	9	Ty	2.2	0.0	4.2	7.6

----- PROGR. 9.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-47.9	-23.4	0.0	0.0	5.0	-10.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	14.0	0.0	0.0	14.0
1- 1	si	13	Tz	5.5	5.0	0.0	10.2
1- 1	si	9	Ty	3.4	0.0	5.2	9.7

----- PROGR. 11.

SOLLECITAZIONI :

Caso	1- 1	MZ	MY	MT	N	TZ	TY
1- 1	1	-69.0	-33.6	0.0	0.0	6.0	-12.3
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	20.1	0.0	0.0	20.1
1- 1	si	13	Tz	7.9	6.0	0.0	13.0
1- 1	si	9	Ty	4.9	0.0	6.3	12.0
-----							PROGR. 13.
SOLLECITAZIONI :							
Caso	1- 1	MZ	MY	MT	N	TZ	TY
1- 1	1	-93.9	-45.8	0.0	0.0	7.0	-14.3
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	27.4	0.0	0.0	27.4
1- 1	si	13	Tz	10.8	6.9	0.0	16.1
1- 1	si	9	Ty	6.7	0.0	7.3	14.4
-----							PROGR. 15.
SOLLECITAZIONI :							
Caso	1- 1	MZ	MY	MT	N	TZ	TY
1- 1	1	-122.6	-59.8	0.0	0.0	8.0	-16.3
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	35.8	0.0	0.0	35.8
1- 1	si	13	Tz	14.1	7.9	0.0	19.7
1- 1	si	9	Ty	8.7	0.0	8.4	16.9

VERIFICA STABILITA` :							
Z	L0 = 15.						
Y	Lc = 15. Ro = 1.52 lm = 9.9 Ncr= 939328.4 alfa(a)=0.2100 ki=1.0000						
	Lc = 15. Ro = 1.52 lm = 9.9 Ncr= 939328.4 alfa(a)=0.2100 ki=1.0000						
Caso 5- 6 - Nodo 4 - Asse Z							
Ned = 0.0 Mzeq = -13.5 Myeq = -7.9 Ss = -4.2 (0.002)							
CASSONE_S003 (3) ----- stato limite ultimo - ASTA (38- 94) 26							
-----							PROGR. 0.
SOLLECITAZIONI :							
Caso	5-11	MZ	MY	MT	N	TZ	TY
4-11	1	0.0	0.0	0.0	0.1	-0.1	0.0
4-11	1	0.0	0.0	0.0	0.0	-0.3	-0.2
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
5-11	si	1	Sx	0.0	0.0	0.0	0.0
4-11	si	14	Tz	0.0	-0.2	0.0	0.3
4-11	si	10	Ty	0.0	0.0	0.1	0.3
-----							PROGR. 2.
SOLLECITAZIONI :							
Caso	1- 1	MZ	MY	MT	N	TZ	TY
1- 1	1	-1.9	-0.9	0.0	0.0	1.0	-2.1
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	0.6	0.0	0.0	0.6
1- 1	si	13	Tz	0.2	1.0	0.0	1.7
1- 1	si	9	Ty	0.1	0.0	1.1	1.8
-----							PROGR. 4.
SOLLECITAZIONI :							
Caso	1- 1	MZ	MY	MT	N	TZ	TY
1- 1	1	-7.7	-3.7	0.0	0.0	2.0	-4.1
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	2.2	0.0	0.0	2.2
1- 1	si	13	Tz	0.9	2.0	0.0	3.6
1- 1	si	9	Ty	0.5	0.0	2.1	3.7
-----							PROGR. 6.
SOLLECITAZIONI :							
Caso	1- 1	MZ	MY	MT	N	TZ	TY
1- 1	1	-17.3	-8.4	0.0	0.0	3.0	-6.2
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	5.0	0.0	0.0	5.0
1- 1	si	13	Tz	2.0	3.0	0.0	5.5
1- 1	si	9	Ty	1.2	0.0	3.2	5.6
1- 1	si	5	Si	-1.7	0.0	3.1	5.6
-----							PROGR. 8.
SOLLECITAZIONI :							
Caso	1- 1	MZ	MY	MT	N	TZ	TY
1- 1	1	-30.8	-15.0	0.0	0.0	4.0	-8.2
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	9.0	0.0	0.0	9.0
1- 1	si	13	Tz	3.5	4.0	0.0	7.7
1- 1	si	9	Ty	2.2	0.0	4.2	7.6
-----							PROGR. 9.
SOLLECITAZIONI :							
Caso	1- 1	MZ	MY	MT	N	TZ	TY
1- 1	1	-48.0	-23.4	0.0	0.0	5.0	-10.3
TENSIONI (Sz= 0.00) :							
Caso	Ve	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	14.0	0.0	0.0	14.0
1- 1	si	13	Tz	5.5	5.0	0.0	10.2
1- 1	si	9	Ty	3.4	0.0	5.3	9.7
-----							PROGR. 11.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-69.2	-33.7	0.0	0.0	6.0	-12.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	20.2	0.0	0.0	20.2
1- 1	si	13	Tz	7.9	6.0	0.0	13.0
1- 1	si	9	Ty	4.9	0.0	6.3	12.0

PROGR. 13.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-94.2	-45.9	0.0	0.0	7.0	-14.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	27.5	0.0	0.0	27.5
1- 1	si	13	Tz	10.8	7.0	0.0	16.2
1- 1	si	9	Ty	6.7	0.0	7.4	14.4

PROGR. 15.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-123.0	-60.0	0.0	0.0	8.0	-16.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	35.9	0.0	0.0	35.9
1- 1	si	13	Tz	14.1	8.0	0.0	19.7
1- 1	si	9	Ty	8.7	0.0	8.4	17.0

VERIFICA STABILITA` :

L0 = 15. |
Z | Lc = 15. | Ro = 1.52 | lm = 9.9 | Ncr= 939328.4 | alfa(a)=0.2100 | ki=1.0000 |
Y | Lc = 15. | Ro = 1.52 | lm = 9.9 | Ncr= 939328.4 | alfa(a)=0.2100 | ki=1.0000 |
Caso 4- 6 - Nodo 4 - Asse Z
Ned = 0.0 | Mzeq = -12.4 | Myeq = -10.3 | Ss = -4.5 (0.002)

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PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5-15	0.0	0.0	0.0	0.0	-0.1	0.0
4- 6	0.0	0.0	0.0	0.0	0.3	0.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
5-15	si	1	Sx	0.0	0.0	0.0	0.0
4- 6	si	14	Tz	0.0	0.1	0.0	0.3
4- 6	si	10	Ty	0.0	0.0	-0.1	0.2
4- 6	si	15	Si	0.0	0.1	0.0	0.3

PROGR. 2.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1.9	-0.9	0.0	0.0	1.0	-2.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	0.6	0.0	0.0	0.6
1- 1	si	13	Tz	0.2	1.0	0.0	1.7
1- 1	si	9	Ty	0.1	0.0	1.0	1.8

PROGR. 4.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-7.7	-3.7	0.0	0.0	2.0	-4.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	2.2	0.0	0.0	2.2
1- 1	si	13	Tz	0.9	2.0	0.0	3.5
1- 1	si	9	Ty	0.5	0.0	2.1	3.7

PROGR. 6.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-17.2	-8.4	0.0	0.0	3.0	-6.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	5.0	0.0	0.0	5.0
1- 1	si	13	Tz	2.0	3.0	0.0	5.5
1- 1	si	9	Ty	1.2	0.0	3.1	5.6
1- 1	si	5	Si	-1.6	0.0	3.1	5.6

PROGR. 8.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-30.7	-15.0	0.0	0.0	4.0	-8.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	8.9	0.0	0.0	8.9
1- 1	si	13	Tz	3.5	4.0	0.0	7.7
1- 1	si	9	Ty	2.2	0.0	4.2	7.6

PROGR. 9.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-47.9	-23.4	0.0	0.0	5.0	-10.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	14.0	0.0	0.0	14.0
1- 1	si	13	Tz	5.5	5.0	0.0	10.2

1- 1 si 9	Ty	3.4	0.0	5.2	9.7	11.
-----						PROGR.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-69.0	-33.6	0.0	0.0	6.0	-12.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 2	Sx	Si		20.1	0.0	0.0	20.1
1- 1 si 13	Tz			7.9	6.0	0.0	13.0
1- 1 si 9	Ty			4.9	0.0	6.3	12.0

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-93.9	-45.8	0.0	0.0	7.0	-14.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 2	Sx	Si		27.4	0.0	0.0	27.4
1- 1 si 13	Tz			10.8	6.9	0.0	16.1
1- 1 si 9	Ty			6.7	0.0	7.3	14.4

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-122.6	-59.8	0.0	0.0	8.0	-16.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 2	Sx	Si		35.8	0.0	0.0	35.8
1- 1 si 13	Tz			14.1	7.9	0.0	19.7
1- 1 si 9	Ty			8.7	0.0	8.4	16.9

VERIFICA STABILITA' :

L0 = 15. |
 Z |Lc = 15. |Ro = 1.52|Im = 9.9|Ncr= 939328.4|alfa(a)=0.2100|ki=1.0000|
 Y |Lc = 15. |Ro = 1.52|Im = 9.9|Ncr= 939328.4|alfa(a)=0.2100|ki=1.0000|
 Caso 5- 2 - Nodo 4 - Asse Z
 Ned = 0.0|Mzeq = -13.6|Myeq = -7.8|Ss = -4.2 (0.002)

CASSONE_S003 (3) stato limite ultimo - ASTA (42- 92) 28

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5-11	0.0	0.0	0.0	0.2	-0.1	0.0
4- 6	0.0	0.0	0.0	-0.1	0.2	0.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
5-11 si 1	Sx			0.0	0.0	0.0	0.0
4- 6 si 14	Tz			0.0	0.1	0.0	0.2
4- 6 si 10	Ty			0.0	0.0	-0.1	0.2
4- 6 si 15	Si			0.0	0.1	0.0	0.2

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1.9	-0.9	0.0	0.0	1.0	-2.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 2	Sx			0.5	0.0	0.0	0.5
1- 1 si 13	Tz			0.2	1.0	0.0	1.7
1- 1 si 9	Ty			0.1	0.0	1.0	1.8

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-7.5	-3.7	0.0	0.0	1.9	-4.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 2	Sx			2.2	0.0	0.0	2.2
1- 1 si 13	Tz			0.9	1.9	0.0	3.5
1- 1 si 9	Ty			0.5	0.0	2.1	3.6

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-16.9	-8.2	0.0	0.0	2.9	-6.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 2	Sx			4.9	0.0	0.0	4.9
1- 1 si 13	Tz			1.9	2.9	0.0	5.4
1- 1 si 9	Ty			1.2	0.0	3.1	5.5
1- 1 si 5	Si			-1.6	0.0	3.0	5.5

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-30.0	-14.6	0.0	0.0	3.9	-8.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 2	Sx			8.7	0.0	0.0	8.7
1- 1 si 13	Tz			3.4	3.9	0.0	7.5
1- 1 si 9	Ty			2.1	0.0	4.1	7.4

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-46.8	-22.8	0.0	0.0	4.9	-10.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
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1- 1	si	2	Sx	Si	13.7	0.0	0.0	13.7	
1- 1	si	13	Tz		5.4	4.8	0.0	10.0	
1- 1	si	9	Ty		3.3	0.0	5.1	9.5	
-----									PROGR. 11.
SOLLECITAZIONI :									
Caso	1- 1		MZ		MY	MT	N	TZ	TY
			-67.4		-32.9	0.0	0.0	5.8	-12.0
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi		Sx	Tz	Ty	Si	
1- 1	si	2	Sx	Si	19.7	0.0	0.0	19.7	
1- 1	si	13	Tz		7.7	5.8	0.0	12.7	
1- 1	si	9	Ty		4.8	0.0	6.2	11.7	
-----									PROGR. 13.
SOLLECITAZIONI :									
Caso	1- 1		MZ		MY	MT	N	TZ	TY
			-91.8		-44.8	0.0	0.0	6.8	-14.0
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi		Sx	Tz	Ty	Si	
1- 1	si	2	Sx	Si	26.8	0.0	0.0	26.8	
1- 1	si	13	Tz		10.5	6.8	0.0	15.8	
1- 1	si	9	Ty		6.5	0.0	7.2	14.0	
-----									PROGR. 15.
SOLLECITAZIONI :									
Caso	1- 1		MZ		MY	MT	N	TZ	TY
			-119.9		-58.5	0.0	0.0	7.8	-16.0
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi		Sx	Tz	Ty	Si	
1- 1	si	2	Sx	Si	35.0	0.0	0.0	35.0	
1- 1	si	13	Tz		13.8	7.8	0.0	19.2	
1- 1	si	9	Ty		8.5	0.0	8.2	16.6	

VERIFICA STABILITA` :									
Z	L0 = 15.								
Y	Lc = 15. Ro = 1.52 lm = 9.9 Ncr= 939328.4 alfa(a)=0.2100 ki=1.0000								
Caso 4- 6 - Nodo 4 - Asse Z									
Ned = -0.1 Mzeq = -12.4 Myeq = -9.4 Ss = -4.3 (0.002)									

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-----									PROGR. 0.
SOLLECITAZIONI :									
Caso	5- 2		MZ		MY	MT	N	TZ	TY
			0.0		0.0	0.0	-18.3	-3.6	7.5
1- 1	si		0.0		0.0	0.0	-14.2	-20.9	42.8
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi		Sx	Tz	Ty	Si	
5- 2	si	1	Sx		-4.1	0.0	0.0	4.1	
1- 1	si	13	Tz		-3.2	-20.8	0.0	36.1	
1- 1	si	9	Ty		-3.2	0.0	-22.0	38.2	
-----									PROGR. 25.
SOLLECITAZIONI :									
Caso	1- 1		MZ		MY	MT	N	TZ	TY
			892.9		435.6	0.0	-14.2	-14.0	28.6
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi		Sx	Tz	Ty	Si	
1- 1	si	2	Sx	Si	-263.8	0.0	0.0	263.8	
1- 1	si	13	Tz		-105.7	-13.9	0.0	108.4	
1- 1	si	9	Ty		-66.6	0.0	-14.7	71.3	
-----									PROGR. 50.
SOLLECITAZIONI :									
Caso	1- 1		MZ		MY	MT	N	TZ	TY
			1430.3		697.8	0.0	-14.2	-7.0	14.4
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi		Sx	Tz	Ty	Si	
1- 1	si	2	Sx	Si	-420.6	0.0	0.0	420.6	
1- 1	si	13	Tz		-167.4	-7.0	0.0	167.8	
1- 1	si	9	Ty		-104.8	0.0	-7.4	105.6	
-----									PROGR. 75.
SOLLECITAZIONI :									
Caso	1- 1		MZ		MY	MT	N	TZ	TY
			1612.2		786.6	0.0	-14.2	-0.1	0.2
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi		Sx	Tz	Ty	Si	
1- 1	si	2	Sx	Si	-473.7	0.0	0.0	473.7	
1- 1	si	13	Tz		-188.3	-0.1	0.0	188.3	
1- 1	si	9	Ty		-117.7	0.0	-0.1	117.7	
-----									PROGR. 100.
SOLLECITAZIONI :									
Caso	1- 1		MZ		MY	MT	N	TZ	TY
			1438.6		702.0	0.0	-14.2	6.9	-14.1
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi		Sx	Tz	Ty	Si	
1- 1	si	2	Sx	Si	-423.0	0.0	0.0	423.0	
1- 1	si	13	Tz		-168.3	6.8	0.0	168.7	
1- 1	si	9	Ty		-105.3	0.0	7.2	106.1	
-----									PROGR. 125.
SOLLECITAZIONI :									
Caso	1- 1		MZ		MY	MT	N	TZ	TY
			909.5		444.1	0.0	-14.2	13.8	-28.3
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi		Sx	Tz	Ty	Si	

1- 1	si	2	Sx	Si	-268.7	0.0	0.0	268.7		
1- 1	si	13	Tz		-107.5	13.7	0.0	110.1		
1- 1	si	9	Ty		-67.7	0.0	14.5	72.2		
									PROGR.	150.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		24.9		12.7		0.0		-14.2		20.7		-42.5

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi		Sx		Tz		Ty		Si	
1- 1	si	2	Sx	Si	-10.6		0.0		0.0		10.6	
1- 1	si	13	Tz		-6.0		20.6		0.0		36.2	
1- 1	si	9	Ty	Si	-4.8		0.0		21.8		38.1	

PROGR. 175.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		-1215.3		-592.0		0.0		-14.2		27.7		-56.7

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi		Sx		Tz		Ty		Si	
1- 1	si	4	Sx	Si	-357.7		0.0		0.0		357.7	
1- 1	si	13	Tz		136.5		27.5		0.0		144.5	
1- 1	si	9	Ty		83.3		0.0		29.1		97.4	

PROGR. 200.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		-2810.9		-1370.2		0.0		-14.2		34.6		-70.9

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi		Sx		Tz		Ty		Si	
1- 1	si	4	Sx	Si	-823.2		0.0		0.0		823.2	
1- 1	si	13	Tz		319.7		34.4		0.0		325.2	
1- 1	si	9	Ty		196.7		0.0		36.4		206.5	

VERIFICA STABILITA' :

Z | L0 = 200. | Ro = 1.52 | lm = 132.0 | Ncr= 5283.7 | alfa(a)=0.2100 | ki=0.4153 |

Y | Lc = 200. | Ro = 1.52 | lm = 132.0 | Ncr= 5283.7 | alfa(a)=0.2100 | ki=0.4153 |

Caso 1- 1 - Nodo 4 - Asse Z

Ned = -14.2 | Mzeq = -2108.2 | Myeq = -1027.6 | Ss = -624.4 (0.279)

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PROGR. 0.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
5-15		0.0		0.0		0.0		0.2		0.0		0.0
4- 8		0.0		0.0		0.0		0.1		0.1		0.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi		Sx		Tz		Ty		Si	
5-15	si	1	Sx		0.0		0.0		0.0		0.0	
4- 8	si	14	Tz	Si	0.0		0.1		0.0		0.1	
4- 8	si	10	Ty		0.0		0.0		-0.1		0.1	

PROGR. 2.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		-1.0		-0.5		0.0		0.0		0.5		-1.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi		Sx		Tz		Ty		Si	
1- 1	si	2	Sx		0.3		0.0		0.0		0.3	
1- 1	si	13	Tz		0.1		0.5		0.0		0.9	
1- 1	si	9	Ty	Si	0.1		0.0		0.5		0.9	

PROGR. 4.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		-3.8		-1.9		0.0		0.0		1.0		-2.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi		Sx		Tz		Ty		Si	
1- 1	si	2	Sx		1.1		0.0		0.0		1.1	
1- 1	si	13	Tz		0.4		1.0		0.0		1.8	
1- 1	si	9	Ty	Si	0.3		0.0		1.0		1.8	

PROGR. 6.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		-8.6		-4.2		0.0		0.0		1.5		-3.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi		Sx		Tz		Ty		Si	
1- 1	si	2	Sx		2.5		0.0		0.0		2.5	
1- 1	si	13	Tz		1.0		1.5		0.0		2.7	
1- 1	si	9	Ty	Si	0.6		0.0		1.6		2.8	
1- 1	si	5			-0.8		0.0		1.5		2.8	

PROGR. 8.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		-15.2		-7.4		0.0		0.0		2.0		-4.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi		Sx		Tz		Ty		Si	
1- 1	si	2	Sx	Si	4.4		0.0		0.0		4.4	
1- 1	si	13	Tz		1.7		2.0		0.0		3.8	
1- 1	si	9	Ty		1.1		0.0		2.1		3.8	

PROGR. 9.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		-23.8		-11.6		0.0		0.0		2.5		-5.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx Si	6.9	0.0	0.0	6.9		
1- 1	si	13	Tz	2.7	2.5	0.0	5.1		
1- 1	si	9	Ty	1.7	0.0	2.6	4.8		
-----								PROGR.	11.
SOLLECITAZIONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			-34.2	-16.7	0.0	0.0	3.0	-6.1	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx Si	10.0	0.0	0.0	10.0		
1- 1	si	13	Tz	3.9	3.0	0.0	6.5		
1- 1	si	9	Ty	2.4	0.0	3.1	5.9		
-----								PROGR.	13.
SOLLECITAZIONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			-46.6	-22.7	0.0	0.0	3.5	-7.1	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx Si	13.6	0.0	0.0	13.6		
1- 1	si	13	Tz	5.3	3.4	0.0	8.0		
1- 1	si	9	Ty	3.3	0.0	3.6	7.1		
-----								PROGR.	15.
SOLLECITAZIONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			-60.8	-29.7	0.0	0.0	4.0	-8.1	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx Si	17.8	0.0	0.0	17.8		
1- 1	si	13	Tz	7.0	3.9	0.0	9.8		
1- 1	si	9	Ty	4.3	0.0	4.2	8.4		

VERIFICA STABILITA` :									
Z	L0 = 15.	Ro = 1.52	Im = 9.9	Ncr= 939328.4	alfa(a)=0.2100	ki=1.0000			
Y	LC = 15.	Ro = 1.52	Im = 9.9	Ncr= 939328.4	alfa(a)=0.2100	ki=1.0000			
Caso 4- 5 - Nodo 4 - Asse Z									
Ned = -0.1 Mzeq = -7.4 Myeq = -5.4 Ss = -2.5 (0.001)									
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-----								PROGR.	0.
SOLLECITAZIONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			4858.6	-581.7	0.0	481.4	-20.7	-8.0	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	3	Sx Si	1175.4	0.0	0.0	1175.4		
1- 1	si	7	Tz	-844.5	-10.4	0.0	844.7		
1- 1	si	10	Ty	-587.5	0.0	9.3	587.7		
-----								PROGR.	15.
SOLLECITAZIONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			4677.2	-301.3	0.0	481.4	-16.7	-16.2	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	3	Sx Si	1084.9	0.0	0.0	1084.9		
1- 1	si	14	Tz	975.5	-11.0	0.0	975.7		
1- 1	si	10	Ty	-612.2	0.0	11.0	612.5		
-----								PROGR.	30.
SOLLECITAZIONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			4374.1	-80.2	0.0	481.4	-12.8	-24.3	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	3	Sx Si	982.0	0.0	0.0	982.0		
1- 1	si	14	Tz	952.9	-12.1	0.0	953.2		
1- 1	si	10	Ty	-605.1	0.0	12.7	605.5		
-----								PROGR.	45.
SOLLECITAZIONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			3949.3	81.5	0.0	481.4	-8.8	-32.4	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx Si	899.0	0.0	0.0	899.0		
1- 1	si	14	Tz	896.6	-13.2	0.0	896.9		
1- 1	si	5	Ty	124.4	0.0	16.3	127.6		
-----								PROGR.	60.
SOLLECITAZIONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			3402.8	183.9	0.0	481.4	-4.8	-40.5	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx Si	811.9	0.0	0.0	811.9		
1- 1	si	14	Tz	806.5	-14.2	0.0	806.9		
1- 1	si	5	Ty	144.5	0.0	20.4	148.8		
-----								PROGR.	75.
SOLLECITAZIONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			2734.6	227.0	0.0	481.4	-0.9	-48.6	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		

1- 1	si	4	Sx	Si	689.3	0.0	0.0	689.3	
1- 1	si	14	Tz		682.6	-15.3	0.0	683.1	
1- 1	si	5	Ty		152.9	0.0	24.5	158.7	
-----									PROGR. 90.
SOLLECITAZIONI :									
Caso			MZ		MY	MT	N	TZ	TY
1- 1			1944.7		210.7	0.0	481.4	3.1	-56.7
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi		Sx	Tz	Ty	Si	
1- 1	si	4	Sx	Si	531.2	0.0	0.0	531.2	
1- 1	si	13	Tz		-237.9	18.6	0.0	240.1	
1- 1	si	5	Ty		149.7	0.0	28.6	157.7	
-----									PROGR. 105.
SOLLECITAZIONI :									
Caso			MZ		MY	MT	N	TZ	TY
1- 1			1033.2		135.0	0.0	481.4	7.0	-64.8
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi		Sx	Tz	Ty	Si	
1- 1	si	4	Sx	Si	337.5	0.0	0.0	337.5	
1- 1	si	13	Tz		-71.7	22.5	0.0	81.7	
1- 1	si	5	Ty		134.9	0.0	32.7	146.3	
-----									PROGR. 120.
SOLLECITAZIONI :									
Caso			MZ		MY	MT	N	TZ	TY
1- 1			0.0		0.0	0.0	481.4	11.0	-72.9
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi		Sx	Tz	Ty	Si	
1- 1	si	2	Sx		108.4	0.0	0.0	108.4	
1- 1	si	13	Tz		108.4	26.5	0.0	117.7	
1- 1	si	5	Ty		108.4	0.0	36.8	125.8	
1- 1	si	6	Si		108.4	0.0	36.8	125.8	

VERIFICA STABILITA` : asta tesa per tutti i casi di carico.									
CASSONE_S003 (3) stato limite ultimo - ASTA (116- 117)									
-----									PROGR. 47
SOLLECITAZIONI :									
Caso			MZ		MY	MT	N	TZ	TY
1- 1			0.0		0.0	0.0	283.0	-25.3	51.9
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi		Sx	Tz	Ty	Si	
1- 1	si	1	Sx		63.7	0.0	0.0	63.7	
1- 1	si	13	Tz		63.7	-25.2	0.0	77.3	
1- 1	si	9	Ty	Si	63.7	0.0	-26.6	78.7	
-----									PROGR. 24.
SOLLECITAZIONI :									
Caso			MZ		MY	MT	N	TZ	TY
1- 1			1090.3		531.8	0.0	283.0	-19.0	38.9
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi		Sx	Tz	Ty	Si	
1- 1	si	4	Sx	Si	381.9	0.0	0.0	381.9	
1- 1	si	13	Tz		-61.4	-18.9	0.0	69.6	
1- 1	si	9	Ty		-13.7	0.0	-20.0	37.2	
-----									PROGR. 48.
SOLLECITAZIONI :									
Caso			MZ		MY	MT	N	TZ	TY
1- 1			1869.0		911.6	0.0	283.0	-12.7	26.0
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi		Sx	Tz	Ty	Si	
1- 1	si	4	Sx	Si	609.1	0.0	0.0	609.1	
1- 1	si	13	Tz		-150.9	-12.6	0.0	152.4	
1- 1	si	9	Ty		-69.1	0.0	-13.3	72.8	
-----									PROGR. 72.
SOLLECITAZIONI :									
Caso			MZ		MY	MT	N	TZ	TY
1- 1			2336.3		1139.5	0.0	283.0	-6.3	13.0
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi		Sx	Tz	Ty	Si	
1- 1	si	4	Sx	Si	745.5	0.0	0.0	745.5	
1- 1	si	13	Tz		-204.5	-6.3	0.0	204.8	
1- 1	si	9	Ty		-102.3	0.0	-6.7	102.9	
-----									PROGR. 96.
SOLLECITAZIONI :									
Caso			MZ		MY	MT	N	TZ	TY
1- 1			2492.0		1215.5	0.0	283.0	0.0	0.0
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi		Sx	Tz	Ty	Si	
1- 1	si	4	Sx	Si	790.9	0.0	0.0	790.9	
1- 1	si	13	Tz		-222.4	0.0	0.0	222.4	
1- 1	si	5	Ty		302.1	0.0	0.0	302.1	
-----									PROGR. 120.
SOLLECITAZIONI :									
Caso			MZ		MY	MT	N	TZ	TY
1- 1			2336.3		1139.5	0.0	283.0	6.3	-13.0
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi		Sx	Tz	Ty	Si	
1- 1	si	4	Sx	Si	745.5	0.0	0.0	745.5	
1- 1	si	13	Tz		-204.5	6.3	0.0	204.8	
1- 1	si	9	Ty		-102.3	0.0	6.7	102.9	
-----									PROGR. 144.
SOLLECITAZIONI :									
Caso			MZ		MY	MT	N	TZ	TY

1- 1	1869.0	911.6	0.0	283.0	12.7	-26.0
TENSIONI (Sz=	0.00) :					
Caso	VelNo	massimi	Sx	Tz	Ty	Si
1- 1 si	4	Sx	Si			
1- 1 si	13	Tz	-150.9	12.6	0.0	609.1
1- 1 si	9	Ty	-69.1	0.0	13.3	152.4
						72.8

PROGR. 168.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	1090.3	531.8	0.0	283.0	19.0	-38.9
TENSIONI (Sz=	0.00) :					
Caso	VelNo	massimi	Sx	Tz	Ty	Si
1- 1 si	4	Sx	Si			
1- 1 si	13	Tz	381.9	0.0	0.0	381.9
1- 1 si	9	Ty	-61.4	18.9	0.0	69.6
			-13.7	0.0	20.0	37.2

PROGR. 192.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	0.0	0.0	283.0	25.3	-51.9
TENSIONI (Sz=	0.00) :					
Caso	VelNo	massimi	Sx	Tz	Ty	Si
1- 1 si	4	Sx	Si			
1- 1 si	13	Tz	63.7	0.0	0.0	63.7
1- 1 si	9	Ty	63.7	25.2	0.0	77.3
			63.7	0.0	26.6	78.7
			63.7	0.0	26.6	78.7

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

CASSONE_S003 (3) stato limite ultimo - ASTA (117- 121) 48
PROGR. 0.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	0.0	0.0	159.2	-4.0	8.1
TENSIONI (Sz=	0.00) :					
Caso	VelNo	massimi	Sx	Tz	Ty	Si
1- 1 si	1	Sx	Si			
1- 1 si	13	Tz	35.9	0.0	0.0	35.9
1- 1 si	9	Ty	35.9	-3.9	0.0	36.5
			35.9	0.0	-4.2	36.6

PROGR. 4.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	26.6	13.0	0.0	159.2	-3.0	6.1
TENSIONI (Sz=	0.00) :					
Caso	VelNo	massimi	Sx	Tz	Ty	Si
1- 1 si	4	Sx	Si			
1- 1 si	13	Tz	43.6	0.0	0.0	43.6
1- 1 si	9	Ty	32.8	-3.0	0.0	33.2
			34.0	0.0	-3.1	34.4

PROGR. 8.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	45.6	22.3	0.0	159.2	-2.0	4.1
TENSIONI (Sz=	0.00) :					
Caso	VelNo	massimi	Sx	Tz	Ty	Si
1- 1 si	4	Sx	Si			
1- 1 si	13	Tz	49.2	0.0	0.0	49.2
1- 1 si	9	Ty	30.6	-2.0	0.0	30.8
			32.6	0.0	-2.1	32.8

PROGR. 11.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	57.0	27.8	0.0	159.2	-1.0	2.0
TENSIONI (Sz=	0.00) :					
Caso	VelNo	massimi	Sx	Tz	Ty	Si
1- 1 si	4	Sx	Si			
1- 1 si	13	Tz	52.5	0.0	0.0	52.5
1- 1 si	9	Ty	29.3	-1.0	0.0	29.4
			31.8	0.0	-1.0	31.9

PROGR. 15.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	60.8	29.7	0.0	159.2	0.0	0.0
TENSIONI (Sz=	0.00) :					
Caso	VelNo	massimi	Sx	Tz	Ty	Si
1- 1 si	4	Sx	Si			
1- 1 si	14	Tz	53.6	0.0	0.0	53.6
1- 1 si	5	Ty	52.7	0.0	0.0	52.7
			41.7	0.0	0.0	41.7

PROGR. 19.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	57.0	27.8	0.0	159.2	1.0	-2.0
TENSIONI (Sz=	0.00) :					
Caso	VelNo	massimi	Sx	Tz	Ty	Si
1- 1 si	4	Sx	Si			
1- 1 si	13	Tz	52.5	0.0	0.0	52.5
1- 1 si	9	Ty	29.3	1.0	0.0	29.4
			31.8	0.0	1.0	31.9

PROGR. 22.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	45.6	22.3	0.0	159.2	2.0	-4.1
TENSIONI (Sz=	0.00) :					
Caso	VelNo	massimi	Sx	Tz	Ty	Si
1- 1 si	4	Sx	Si			
1- 1 si	13	Tz	49.2	0.0	0.0	49.2
1- 1 si	9	Ty	30.6	2.0	0.0	30.8
			32.6	0.0	2.1	32.8

----- PROGR.											26.
SOLLECITAZIONI :											
Caso			MZ		MY		MT		N	TZ	TY
1- 1			26.6		13.0		0.0		159.2	3.0	-6.1
TENSIONI (Sz= 0.00) :											
Caso	Vel	No	massimi		Sx		Tz		Ty	Si	
1- 1	si	4	Sx	Si	43.6		0.0		0.0	43.6	
1- 1	si	13	Tz		32.8		3.0		0.0	33.2	
1- 1	si	9	Ty		34.0		0.0		3.1	34.4	
----- PROGR.											30.
SOLLECITAZIONI :											
Caso			MZ		MY		MT		N	TZ	TY
1- 1			0.0		0.0		0.0		159.2	4.0	-8.1
TENSIONI (Sz= 0.00) :											
Caso	Vel	No	massimi		Sx		Tz		Ty	Si	
1- 1	si	1	Sx		35.9		0.0		0.0	35.9	
1- 1	si	13	Tz		35.9		3.9		0.0	36.5	
1- 1	si	9	Ty	Si	35.9		0.0		4.2	36.6	

VERIFICA STABILITA' : asta tesa per tutti i casi di carico.											
CASSONE_S003 (3) stato limite ultimo - ASTA (121- 83)											49
----- PROGR.											0.
SOLLECITAZIONI :											
Caso			MZ		MY		MT		N	TZ	TY
1- 1			0.0		0.0		0.0		74.7	-19.5	62.7
TENSIONI (Sz= 0.00) :											
Caso	Vel	No	massimi		Sx		Tz		Ty	Si	
1- 1	si	1	Sx		16.8		0.0		0.0	16.8	
1- 1	si	13	Tz		16.8		-26.4		0.0	48.8	
1- 1	si	5	Ty	Si	16.8		0.0		-31.6	57.3	
----- PROGR.											25.
SOLLECITAZIONI :											
Caso			MZ		MY		MT		N	TZ	TY
1- 1			1398.4		405.9		0.0		74.7	-12.9	49.2
TENSIONI (Sz= 0.00) :											
Caso	Vel	No	massimi		Sx		Tz		Ty	Si	
1- 1	si	4	Sx	Si	370.7		0.0		0.0	370.7	
1- 1	si	13	Tz		-189.8		-19.9		0.0	192.9	
1- 1	si	5	Ty		96.4		0.0		-24.8	105.6	
----- PROGR.											50.
SOLLECITAZIONI :											
Caso			MZ		MY		MT		N	TZ	TY
1- 1			2458.8		646.9		0.0		74.7	-6.3	35.7
TENSIONI (Sz= 0.00) :											
Caso	Vel	No	massimi		Sx		Tz		Ty	Si	
1- 1	si	4	Sx	Si	626.0		0.0		0.0	626.0	
1- 1	si	13	Tz		-357.6		-13.3		0.0	358.3	
1- 1	si	5	Ty		143.7		0.0		-18.0	147.0	
----- PROGR.											75.
SOLLECITAZIONI :											
Caso			MZ		MY		MT		N	TZ	TY
1- 1			3181.2		723.1		0.0		74.7	0.3	22.1
TENSIONI (Sz= 0.00) :											
Caso	Vel	No	massimi		Sx		Tz		Ty	Si	
1- 1	si	4	Sx	Si	782.6		0.0		0.0	782.6	
1- 1	si	14	Tz		761.3		6.9		0.0	761.4	
1- 1	si	5	Ty		158.6		0.0		-11.2	159.8	
----- PROGR.											100.
SOLLECITAZIONI :											
Caso			MZ		MY		MT		N	TZ	TY
1- 1			3565.5		634.4		0.0		74.7	6.8	8.6
TENSIONI (Sz= 0.00) :											
Caso	Vel	No	massimi		Sx		Tz		Ty	Si	
1- 1	si	4	Sx	Si	840.6		0.0		0.0	840.6	
1- 1	si	14	Tz		821.9		5.1		0.0	822.0	
1- 1	si	10	Ty		-702.0		0.0		-5.2	702.1	
----- PROGR.											125.
SOLLECITAZIONI :											
Caso			MZ		MY		MT		N	TZ	TY
1- 1			3611.9		380.9		0.0		74.7	13.4	-4.9
TENSIONI (Sz= 0.00) :											
Caso	Vel	No	massimi		Sx		Tz		Ty	Si	
1- 1	si	4	Sx	Si	799.9		0.0		0.0	799.9	
1- 1	si	7	Tz		-691.6		6.8		0.0	691.7	
1- 1	si	9	Ty		-510.6		0.0		5.9	510.7	
----- PROGR.											150.
SOLLECITAZIONI :											
Caso			MZ		MY		MT		N	TZ	TY
1- 1			3320.3		-37.5		0.0		74.7	20.0	-18.4
TENSIONI (Sz= 0.00) :											
Caso	Vel	No	massimi		Sx		Tz		Ty	Si	
1- 1	si	3	Sx	Si	675.4		0.0		0.0	675.4	
1- 1	si	13	Tz		-640.6		13.0		0.0	641.0	
1- 1	si	9	Ty		-544.1		0.0		12.9	544.5	
----- PROGR.											175.
SOLLECITAZIONI :											
Caso			MZ		MY		MT		N	TZ	TY
1- 1			2690.6		-620.8		0.0		74.7	26.6	-31.9
TENSIONI (Sz= 0.00) :											
Caso	Vel	No	massimi		Sx		Tz		Ty	Si	
1- 1	si	3	Sx	Si	666.3		0.0		0.0	666.3	

1- 1	si	13	Tz	-614.4	19.5	0.0	615.3	
1- 1	si	9	Ty	-553.5	0.0	19.8	554.6	
								200.

SOLLECITAZIONI :								
Caso		MZ		MY	MT	N	TZ	TY
1- 1		1723.0		-1368.9	0.0	74.7	33.2	-45.5
TENSIONI (Sz= 0.00) :								
Caso	Vel	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx Si	623.2	0.0	0.0	623.2	
1- 1	si	13	Tz	-549.3	26.1	0.0	551.2	
1- 1	si	9	Ty	-538.9	0.0	26.7	540.9	

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

CASSONE_S003 (3) stato limite ultimo - ASTA (83- 45) 50
PROGR. 0.

SOLLECITAZIONI :								
Caso		MZ		MY	MT	N	TZ	TY
1- 1		-69.2		-33.8	0.0	0.0	-4.2	8.7
TENSIONI (Sz= 0.00) :								
Caso	Vel	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx Si	-20.2	0.0	0.0	20.2	
1- 1	si	13	Tz	7.9	-4.2	0.0	10.8	
1- 1	si	9	Ty	4.9	0.0	-4.4	9.1	
								2.

SOLLECITAZIONI :								
Caso		MZ		MY	MT	N	TZ	TY
1- 1		-53.0		-25.8	0.0	0.0	-3.7	7.6
TENSIONI (Sz= 0.00) :								
Caso	Vel	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx Si	-15.5	0.0	0.0	15.5	
1- 1	si	13	Tz	6.1	-3.7	0.0	8.8	
1- 1	si	9	Ty	3.8	0.0	-3.9	7.7	
								4.

SOLLECITAZIONI :								
Caso		MZ		MY	MT	N	TZ	TY
1- 1		-38.9		-19.0	0.0	0.0	-3.2	6.5
TENSIONI (Sz= 0.00) :								
Caso	Vel	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx Si	-11.4	0.0	0.0	11.4	
1- 1	si	13	Tz	4.5	-3.2	0.0	7.1	
1- 1	si	9	Ty	2.8	0.0	-3.3	6.4	
								6.

SOLLECITAZIONI :								
Caso		MZ		MY	MT	N	TZ	TY
1- 1		-27.0		-13.2	0.0	0.0	-2.6	5.4
TENSIONI (Sz= 0.00) :								
Caso	Vel	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx Si	-7.9	0.0	0.0	7.9	
1- 1	si	13	Tz	3.1	-2.6	0.0	5.5	
1- 1	si	9	Ty	1.9	0.0	-2.8	5.2	
								8.

SOLLECITAZIONI :								
Caso		MZ		MY	MT	N	TZ	TY
1- 1		-17.3		-8.4	0.0	0.0	-2.1	4.3
TENSIONI (Sz= 0.00) :								
Caso	Vel	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx Si	-5.0	0.0	0.0	5.0	
1- 1	si	13	Tz	2.0	-2.1	0.0	4.1	
1- 1	si	9	Ty	1.2	0.0	-2.2	4.0	
								10.

SOLLECITAZIONI :								
Caso		MZ		MY	MT	N	TZ	TY
1- 1		-9.7		-4.7	0.0	0.0	-1.6	3.2
TENSIONI (Sz= 0.00) :								
Caso	Vel	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx Si	-2.8	0.0	0.0	2.8	
1- 1	si	13	Tz	1.1	-1.6	0.0	2.9	
1- 1	si	9	Ty	0.7	0.0	-1.7	3.0	
1- 1	si	5	Si	-0.9	0.0	-1.6	3.0	
								12.

SOLLECITAZIONI :								
Caso		MZ		MY	MT	N	TZ	TY
1- 1		-4.3		-2.1	0.0	0.0	-1.1	2.2
TENSIONI (Sz= 0.00) :								
Caso	Vel	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx Si	-1.3	0.0	0.0	1.3	
1- 1	si	13	Tz	0.5	-1.1	0.0	1.9	
1- 1	si	9	Ty	0.3	0.0	-1.1	1.9	
1- 1	si	12	Si	-0.3	0.0	-1.1	1.9	
								14.

SOLLECITAZIONI :								
Caso		MZ		MY	MT	N	TZ	TY
1- 1		-1.1		-0.5	0.0	0.0	-0.5	1.1
TENSIONI (Sz= 0.00) :								
Caso	Vel	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx Si	-0.3	0.0	0.0	0.3	
1- 1	si	13	Tz	0.1	-0.5	0.0	0.9	
1- 1	si	9	Ty	0.1	0.0	-0.6	1.0	
1- 1	si	12	Si	-0.1	0.0	-0.6	1.0	
								16.

SOLLECITAZIONI :								
								PROGR.

Caso	MZ	MY	MT	N	TZ	TY
5-16	0.0	0.0	0.0	-0.2	0.0	0.0
4-13	0.0	0.0	0.0	0.1	0.2	0.1
4-16	0.0	0.0	0.0	-0.1	0.2	0.1
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
5-16	si	4	Sx	0.0	0.0	0.0
4-13	si	14	Tz	0.0	0.1	0.0
4-13	si	10	Ty	0.0	0.0	-0.1
4-16	si	14	Si	0.0	0.1	0.0

VERIFICA STABILITA' :

| L0 = 16. |
 Z | Lc = 16. | Ro = 1.52 | Im = 10.6 | Ncr= 825581.6 | alfa(a)=0.2100 | ki=1.0000 |
 Y | Lc = 16. | Ro = 1.52 | Im = 10.6 | Ncr= 825581.6 | alfa(a)=0.2100 | ki=1.0000 |
 Caso 4- 4 - Nodo 4 - Asse Z
 Ned = -0.1 | Mzeq = -8.2 | Myeq = -6.4 | Ss = -2.9 (0.001)

CASSONE_S003 (3) stato limite ultimo - ASTA (84- 28) 52
PROGR. 0.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-139.5	-68.0	0.0	0.0	-8.5	17.4
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	40.7	0.0	0.0
1- 1	si	13	Tz	16.0	-8.5	0.0
1- 1	si	9	Ty	9.9	0.0	-9.0

PROGR. 2.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-106.8	-52.1	0.0	0.0	-7.4	15.3
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	31.2	0.0	0.0
1- 1	si	13	Tz	12.3	-7.4	0.0
1- 1	si	9	Ty	7.6	0.0	-7.8

PROGR. 4.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-78.5	-38.3	0.0	0.0	-6.4	13.1
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	22.9	0.0	0.0
1- 1	si	13	Tz	9.0	-6.3	0.0
1- 1	si	9	Ty	5.6	0.0	-6.7

PROGR. 6.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-54.5	-26.6	0.0	0.0	-5.3	10.9
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	15.9	0.0	0.0
1- 1	si	13	Tz	6.3	-5.3	0.0
1- 1	si	9	Ty	3.9	0.0	-5.6

PROGR. 8.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-34.9	-17.0	0.0	0.0	-4.3	8.7
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	10.2	0.0	0.0
1- 1	si	13	Tz	4.0	-4.2	0.0
1- 1	si	9	Ty	2.5	0.0	-4.5

PROGR. 10.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-19.6	-9.6	0.0	0.0	-3.2	6.5
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	5.7	0.0	0.0
1- 1	si	13	Tz	2.3	-3.2	0.0
1- 1	si	9	Ty	1.4	0.0	-3.4
1- 1	si	6	Si	1.9	0.0	-3.3

PROGR. 12.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-8.7	-4.3	0.0	0.0	-2.1	4.4
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	2.5	0.0	0.0
1- 1	si	13	Tz	1.0	-2.1	0.0
1- 1	si	9	Ty	0.6	0.0	-2.2

PROGR. 14.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-2.2	-1.1	0.0	0.0	-1.1	2.2
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	0.6	0.0	0.0
1- 1	si	13	Tz	0.3	-1.1	0.0

5- 2	0.0	0.0	0.0	0.1	0.0	0.0
4- 2	0.0	0.0	0.0	0.0	-0.2	-0.1
4- 1	0.0	0.0	0.0	0.0	-0.2	-0.1
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
5- 2	si	1	Sx	0.0	0.0	0.0
4- 2	si	14	Tz	0.0	-0.1	0.0
4- 2	si	10	Ty	0.0	0.0	0.1
4- 1	si	14	Si	0.0	-0.1	0.0

VERIFICA STABILITA` :

Z | L0 = 16. | Ro = 1.52 | Im = 10.6 | Ncr= 825581.6 | alfa(a)=0.2100 | ki=1.0000 |
 Y | Lc = 16. | Ro = 1.52 | Im = 10.6 | Ncr= 825581.6 | alfa(a)=0.2100 | ki=1.0000 |
 Caso 4- 4 - Nodo 4 - Asse Z
 Ned = 0.0 | Mzeq = -14.9 | Myeq = -9.9 | Ss = -4.9 (0.002)

CASSONE_S003 (3) stato limite ultimo - ASTA (86- 32) 55
PROGR. 0.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-139.5	-68.0	0.0	0.0	-8.5	17.4
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	4	Sx	-40.7	0.0	0.0
1- 1	si	13	Tz	16.0	-8.5	0.0
1- 1	si	9	Ty	9.9	0.0	-9.0
						PROGR. 2.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-106.8	-52.1	0.0	0.0	-7.4	15.3
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	4	Sx	-31.2	0.0	0.0
1- 1	si	13	Tz	12.3	-7.4	0.0
1- 1	si	9	Ty	7.6	0.0	-7.8
						PROGR. 4.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-78.5	-38.3	0.0	0.0	-6.4	13.1
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	4	Sx	-22.9	0.0	0.0
1- 1	si	13	Tz	9.0	-6.3	0.0
1- 1	si	9	Ty	5.6	0.0	-6.7
						PROGR. 6.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-54.5	-26.6	0.0	0.0	-5.3	10.9
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	4	Sx	-15.9	0.0	0.0
1- 1	si	13	Tz	6.3	-5.3	0.0
1- 1	si	9	Ty	3.9	0.0	-5.6
						PROGR. 8.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-34.9	-17.0	0.0	0.0	-4.3	8.7
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	4	Sx	-10.2	0.0	0.0
1- 1	si	13	Tz	4.0	-4.2	0.0
1- 1	si	9	Ty	2.5	0.0	-4.5
						PROGR. 10.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-19.6	-9.6	0.0	0.0	-3.2	6.5
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	4	Sx	-5.7	0.0	0.0
1- 1	si	13	Tz	2.3	-3.2	0.0
1- 1	si	9	Ty	1.4	0.0	-3.4
1- 1	si	5	Si	-1.9	0.0	-3.3
						PROGR. 12.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-8.7	-4.3	0.0	0.0	-2.1	4.4
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	4	Sx	-2.5	0.0	0.0
1- 1	si	13	Tz	1.0	-2.1	0.0
1- 1	si	9	Ty	0.6	0.0	-2.2
1- 1	si	12	Si	-0.6	0.0	-2.2
						PROGR. 14.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-2.2	-1.1	0.0	0.0	-1.1	2.2
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	4	Sx	-0.6	0.0	0.0
1- 1	si	13	Tz	0.3	-1.1	0.0
						PROGR. 18.

1- 1 si 9	Ty	0.2	0.0	-1.1	1.9	
1- 1 si 12	Si	-0.2	0.0	-1.1	1.9	
-----						PROGR. 16.
SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
5- 5	0.0	0.0	0.0	0.2	-0.1	0.0
4- 1	0.0	0.0	0.0	0.0	-0.2	-0.1
4- 2	0.0	0.0	0.0	0.1	-0.2	-0.1
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
5- 5 si 1	Sx			0.0	0.0	0.0
4- 1 si 14	Tz			0.0	-0.1	0.0
4- 1 si 10	Ty			0.0	0.1	0.2
4- 2 si 15	Si			0.0	-0.1	0.0

VERIFICA STABILITA` :						
LO = 16.						
LC = 16.	Ro = 1.52	lm = 10.6	Ncr= 825581.6	alfa(a)=0.2100	ki=1.0000	
Y LC = 16.	Ro = 1.52	lm = 10.6	Ncr= 825581.6	alfa(a)=0.2100	ki=1.0000	
Caso 4- 3 - Nodo 4 - Asse Z						
Ned = -0.1 Mzeq = -14.7 Myeq = -10.4 Ss = -4.9 (0.002)						
CASSONE_S003 (3) ----- stato limite ultimo - ASTA (87- 34) 57						
-----						PROGR. 0.
SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-139.5	-68.0	0.0	0.0	-8.5	17.4
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 2	Sx			40.7	0.0	0.0
1- 1 si 13	Tz			16.0	-8.5	0.0
1- 1 si 9	Ty			9.9	0.0	-9.0
-----						PROGR. 2.
SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-106.8	-52.1	0.0	0.0	-7.4	15.3
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 2	Sx			31.2	0.0	0.0
1- 1 si 13	Tz			12.3	-7.4	0.0
1- 1 si 9	Ty			7.6	0.0	-7.8
-----						PROGR. 4.
SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-78.5	-38.3	0.0	0.0	-6.4	13.1
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 2	Sx			22.9	0.0	0.0
1- 1 si 13	Tz			9.0	-6.3	0.0
1- 1 si 9	Ty			5.6	0.0	-6.7
-----						PROGR. 6.
SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-54.5	-26.6	0.0	0.0	-5.3	10.9
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 2	Sx			15.9	0.0	0.0
1- 1 si 13	Tz			6.3	-5.3	0.0
1- 1 si 9	Ty			3.9	0.0	-5.6
-----						PROGR. 8.
SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-34.9	-17.0	0.0	0.0	-4.3	8.7
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 2	Sx			10.2	0.0	0.0
1- 1 si 13	Tz			4.0	-4.2	0.0
1- 1 si 9	Ty			2.5	0.0	-4.5
-----						PROGR. 10.
SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-19.6	-9.6	0.0	0.0	-3.2	6.5
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 2	Sx			5.7	0.0	0.0
1- 1 si 13	Tz			2.3	-3.2	0.0
1- 1 si 9	Ty			1.4	0.0	-3.4
1- 1 si 6	Si			1.9	0.0	-3.3
-----						PROGR. 12.
SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-8.7	-4.3	0.0	0.0	-2.1	4.4
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 2	Sx			2.5	0.0	0.0
1- 1 si 13	Tz			1.0	-2.1	0.0
1- 1 si 9	Ty			0.6	0.0	-2.2
-----						PROGR. 14.
SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-2.2	-1.1	0.0	0.0	-1.1	2.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	0.6	0.0	0.0	0.6
1- 1	si	13	Tz	0.3	-1.1	0.0	1.8
1- 1	si	9	Ty	0.2	0.0	-1.1	1.9

PROGR. 16.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5- 2	0.0	0.0	0.0	0.1	0.0	0.0
4- 4	0.0	0.0	0.0	0.0	-0.2	-0.1
4- 1	0.0	0.0	0.0	0.0	-0.2	-0.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
5- 2	si	4	Sx	0.0	0.0	0.0	0.0
4- 4	si	14	Tz	0.0	-0.1	0.0	0.2
4- 4	si	10	Ty	0.0	0.0	0.1	0.2
4- 1	si	14	Si	0.0	-0.1	0.0	0.2

VERIFICA STABILITA' :

Z | L0 = 16. | Ro = 1.52 | Im = 10.6 | Ncr= 825581.6 | alfa(a)=0.2100 | ki=1.0000 |
Y | Lc = 16. | Ro = 1.52 | Im = 10.6 | Ncr= 825581.6 | alfa(a)=0.2100 | ki=1.0000 |
Caso 4- 4 - Nodo 4 - Asse Z
Ned = 0.0 | Mzeq = -14.5 | Myeq = -10.8 | Ss = -5.0 (0.002)

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PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-139.1	-67.8	0.0	0.0	-8.5	17.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-40.6	0.0	0.0	40.6
1- 1	si	13	Tz	16.0	-8.4	0.0	21.6
1- 1	si	9	Ty	9.9	0.0	-8.9	18.3

PROGR. 2.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-106.5	-51.9	0.0	0.0	-7.4	15.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-31.1	0.0	0.0	31.1
1- 1	si	13	Tz	12.2	-7.4	0.0	17.7
1- 1	si	9	Ty	7.6	0.0	-7.8	15.5

PROGR. 4.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-78.2	-38.1	0.0	0.0	-6.4	13.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-22.8	0.0	0.0	22.8
1- 1	si	13	Tz	9.0	-6.3	0.0	14.2
1- 1	si	9	Ty	5.6	0.0	-6.7	12.9

PROGR. 6.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-54.3	-26.5	0.0	0.0	-5.3	10.9

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-15.8	0.0	0.0	15.8
1- 1	si	13	Tz	6.2	-5.3	0.0	11.1
1- 1	si	9	Ty	3.9	0.0	-5.6	10.4

PROGR. 8.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-34.8	-17.0	0.0	0.0	-4.2	8.7

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-10.1	0.0	0.0	10.1
1- 1	si	13	Tz	4.0	-4.2	0.0	8.3
1- 1	si	9	Ty	2.5	0.0	-4.5	8.1

PROGR. 10.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-19.6	-9.5	0.0	0.0	-3.2	6.5

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-5.7	0.0	0.0	5.7
1- 1	si	13	Tz	2.2	-3.2	0.0	5.9
1- 1	si	9	Ty	1.4	0.0	-3.3	6.0
1- 1	si	5	Si	-1.9	0.0	-3.3	6.0

PROGR. 12.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-8.7	-4.2	0.0	0.0	-2.1	4.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-2.5	0.0	0.0	2.5
1- 1	si	13	Tz	1.0	-2.1	0.0	3.8
1- 1	si	9	Ty	0.6	0.0	-2.2	3.9
1- 1	si	12	Si	-0.6	0.0	-2.2	3.9

----- PROGR. 14.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-2.2	-1.1	0.0	0.0	-1.1	2.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-0.6	0.0	0.0	0.6
1- 1	si	13	Tz	0.2	-1.1	0.0	1.8
1- 1	si	9	Ty	0.2	0.0	-1.1	1.9
1- 1	si	12	Si	-0.2	0.0	-1.1	1.9

----- PROGR. 16.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5-16	0.0	0.0	0.0	0.0	0.1	0.0
4- 3	0.0	0.0	0.0	0.0	-0.3	-0.1
4- 4	0.0	0.0	0.0	0.0	-0.3	-0.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
5-16	si	3	Sx	0.0	0.0	0.0	0.0
4- 3	si	14	Tz	0.0	-0.1	0.0	0.2
4- 3	si	10	Ty	0.0	0.0	0.1	0.2
4- 4	si	14	Si	0.0	-0.1	0.0	0.2

VERIFICA STABILITA' :

L0 = 16.
 Z | Lc = 16. | Ro = 1.52 | Im = 10.6 | Ncr= 825581.6 | alfa(a)=0.2100 | ki=1.0000 |
 Y | Lc = 16. | Ro = 1.52 | Im = 10.6 | Ncr= 825581.6 | alfa(a)=0.2100 | ki=1.0000 |
 Caso 4- 4 - Nodo 4 - Asse Z
 Ned = 0.0 | Mzeq = -14.4 | Myeq = -10.8 | Ss = -5.0 (0.002)

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----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5-15	0.0	0.0	0.0	140.2	-1.3	2.6
1- 1	0.0	0.0	0.0	85.0	-8.3	16.9

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
5-15	si	1	Sx	31.6	0.0	0.0	31.6
1- 1	si	13	Tz	19.1	-8.2	0.0	23.8
1- 1	si	9	Ty	19.1	0.0	-8.7	24.3
5-15	si	9	Si	31.6	0.0	-1.3	31.7

----- PROGR. 4.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	55.0	26.8	0.0	85.0	-6.1	12.5

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	35.2	0.0	0.0	35.2
1- 1	si	13	Tz	12.8	-6.0	0.0	16.6
1- 1	si	9	Ty	15.2	0.0	-6.4	18.8

----- PROGR. 8.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	93.6	45.6	0.0	85.0	-4.0	8.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	46.4	0.0	0.0	46.4
1- 1	si	13	Tz	8.4	-3.9	0.0	10.8
1- 1	si	9	Ty	12.5	0.0	-4.2	14.4

----- PROGR. 11.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	115.9	56.6	0.0	85.0	-1.9	3.9

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	53.0	0.0	0.0	53.0
1- 1	si	13	Tz	5.8	-1.9	0.0	6.7
1- 1	si	9	Ty	10.9	0.0	-2.0	11.4

----- PROGR. 15.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	122.6	59.8	0.0	85.0	0.1	-0.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	54.9	0.0	0.0	54.9
1- 1	si	13	Tz	5.1	0.1	0.0	5.1
1- 1	si	9	Ty	10.4	0.0	0.1	10.4

----- PROGR. 19.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	114.0	55.6	0.0	85.0	2.1	-4.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	52.4	0.0	0.0	52.4
1- 1	si	13	Tz	6.1	2.1	0.0	7.1
1- 1	si	9	Ty	11.0	0.0	2.2	11.7

----- PROGR. 22.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	90.4	44.1	0.0	85.0	4.0	-8.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	45.5	0.0	0.0	45.5
1- 1	si	13	Tz	8.8	4.0	0.0	11.2
1- 1	si	9	Ty	12.7	0.0	4.2	14.7

PROGR. 26.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	52.2	25.5	0.0	85.0	5.9	-12.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	34.4	0.0	0.0	34.4
1- 1	si	13	Tz	13.1	5.9	0.0	16.6
1- 1	si	9	Ty	15.4	0.0	6.2	18.8

PROGR. 30.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5-15	0.0	0.0	0.0	140.2	1.2	-2.4
1- 1	0.0	0.0	0.0	85.0	7.7	-15.8

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
5-15	si	3	Sx	31.6	0.0	0.0	31.6
1- 1	si	13	Tz	19.1	7.7	0.0	23.3
1- 1	si	9	Ty	19.1	0.0	8.1	23.7
5-15	si	12	Si	31.6	0.0	1.2	31.7

VERIFICA STABILITA' :

Z | L0 = 30. | Ro = 1.52 | Im = 19.8 | Ncr= 234832.1 | alfa(a)=0.2100 | ki=0.9976 |

Y | Lc = 30. | Ro = 1.52 | Im = 19.8 | Ncr= 234832.1 | alfa(a)=0.2100 | ki=0.9976 |

Caso 5- 2 - Nodo 2 - Asse Z

Ned = -93.7 | Mzeq = 16.2 | Myeq = 7.9 | Ss = -25.9 (0.012)

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SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	0.0	0.0	21.6	-8.0	16.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	4.9	0.0	0.0	4.9
1- 1	si	13	Tz	4.9	-8.0	0.0	14.6
1- 1	si	9	Ty	4.9	0.0	-8.4	15.4

PROGR. 4.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	53.8	26.2	0.0	21.6	-6.0	12.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	20.6	0.0	0.0	20.6
1- 1	si	13	Tz	-1.3	-6.0	0.0	10.4
1- 1	si	9	Ty	1.0	0.0	-6.3	11.0

PROGR. 8.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	92.3	45.0	0.0	21.6	-4.0	8.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	31.8	0.0	0.0	31.8
1- 1	si	13	Tz	-5.7	-4.0	0.0	9.0
1- 1	si	9	Ty	-1.7	0.0	-4.2	7.5

PROGR. 11.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	115.3	56.2	0.0	21.6	-2.0	4.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	38.5	0.0	0.0	38.5
1- 1	si	13	Tz	-8.4	-2.0	0.0	9.0
1- 1	si	9	Ty	-3.3	0.0	-2.1	4.9

PROGR. 15.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	123.0	60.0	0.0	21.6	0.0	0.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	40.8	0.0	0.0	40.8
1- 1	si	14	Tz	39.0	0.0	0.0	39.0
1- 1	si	5	Ty	16.6	0.0	0.0	16.6

PROGR. 19.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	115.3	56.2	0.0	21.6	2.0	-4.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	38.5	0.0	0.0	38.5
1- 1	si	13	Tz	-8.4	2.0	0.0	9.0
1- 1	si	9	Ty	-3.3	0.0	2.1	4.9

PROGR. 22.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1						

1- 1	92.3	45.0	0.0	21.6	4.0	-8.2
TENSIONI (Sz=	0.00)					
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	4	Sx	Si	31.8	0.0
1- 1	si	13	Tz		0.0	0.0
1- 1	si	9	Ty		-1.7	0.0
					4.2	7.5

PROGR. 26.

SOLLECITAZIONI						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	53.8	26.2	0.0	21.6	6.0	-12.3

TENSIONI (Sz=	0.00)					
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	4	Sx	Si	20.6	0.0
1- 1	si	13	Tz		-1.3	6.0
1- 1	si	9	Ty		1.0	0.0
					6.3	6.3

PROGR. 30.

SOLLECITAZIONI						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	0.0	0.0	21.6	8.0	-16.4

TENSIONI (Sz=	0.00)					
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	3	Sx	Si	4.9	0.0
1- 1	si	13	Tz		4.9	8.0
1- 1	si	9	Ty		4.9	0.0
1- 1	si	12	Si		4.9	0.0
					8.4	8.4

VERIFICA STABILITA` :

Z | L0 = 30. | Ro = 1.52 | Im = 19.8 | Ncr= 234832.1 | alfa(a)=0.2100 | ki=0.9976 |
Y | Lc = 30. | Ro = 1.52 | Im = 19.8 | Ncr= 234832.1 | alfa(a)=0.2100 | ki=0.9976 |
Caso 5-14 - Nodo 2 - Asse Z
Ned = -2.2 | Mzeq = 16.2 | Myeq = 7.9 | Ss = -5.2 (0.002)

CASSONE_S003 (3) stato limite ultimo - ASTA (103- 102) 65
PROGR. 0.

SOLLECITAZIONI						
Caso	MZ	MY	MT	N	TZ	TY
5-15	0.0	0.0	0.0	-42.7	-1.2	2.5
1- 1	0.0	0.0	0.0	-36.4	-8.0	16.3

TENSIONI (Sz=	0.00)					
Caso	Vel	No	massimi	Sx	Tz	Ty
5-15	si	1	Sx	Si	-9.6	0.0
1- 1	si	13	Tz		-8.2	0.0
1- 1	si	9	Ty		-8.2	0.0
					-8.4	16.7

PROGR. 4.

SOLLECITAZIONI						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	53.6	26.2	0.0	-36.4	-6.0	12.3

TENSIONI (Sz=	0.00)					
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	Si	-23.8	0.0
1- 1	si	13	Tz		-14.3	0.0
1- 1	si	9	Ty		-12.0	0.0
					-6.3	-6.3

PROGR. 8.

SOLLECITAZIONI						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	92.0	44.9	0.0	-36.4	-4.0	8.2

TENSIONI (Sz=	0.00)					
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	Si	-35.0	0.0
1- 1	si	13	Tz		-18.7	-4.0
1- 1	si	9	Ty		-14.7	0.0
					-4.2	-4.2

PROGR. 11.

SOLLECITAZIONI						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	114.9	56.1	0.0	-36.4	-2.0	4.1

TENSIONI (Sz=	0.00)					
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	Si	-41.7	0.0
1- 1	si	13	Tz		-21.4	-2.0
1- 1	si	9	Ty		-16.4	0.0
					-2.1	-2.1

PROGR. 15.

SOLLECITAZIONI						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	122.6	59.8	0.0	-36.4	0.0	0.0

TENSIONI (Sz=	0.00)					
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	Si	-44.0	0.0
1- 1	si	13	Tz		-22.3	0.0
1- 1	si	5	Ty		3.5	0.0
					0.0	0.0

PROGR. 19.

SOLLECITAZIONI						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	114.9	56.1	0.0	-36.4	2.0	-4.1

TENSIONI (Sz=	0.00)					
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	Si	-41.7	0.0
1- 1	si	13	Tz		-21.4	2.0
1- 1	si	9	Ty		-16.4	0.0
					2.1	2.1

PROGR. 22.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	92.0	44.9	0.0	-36.4	4.0	-8.2
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	-35.0	0.0	0.0
1- 1	si	13	Tz	-18.7	4.0	0.0
1- 1	si	9	Ty	-14.7	0.0	4.2
						PROGR.
						26.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	53.6	26.2	0.0	-36.4	6.0	-12.3
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	-23.8	0.0	0.0
1- 1	si	13	Tz	-14.3	6.0	0.0
1- 1	si	9	Ty	-12.0	0.0	6.3
						PROGR.
						30.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
5-15	0.0	0.0	0.0	-42.7	1.2	-2.5
1- 1	0.0	0.0	0.0	-36.4	8.0	-16.3
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
5-15	si	2	Sx	-9.6	0.0	0.0
1- 1	si	13	Tz	-8.2	7.9	0.0
1- 1	si	9	Ty	-8.2	0.0	8.4
						PROGR.
						16.7

VERIFICA STABILITA` :

L0 = 30.
 Z | Lc = 30. | Ro = 1.52 | lm = 19.8 | Ncr= 234832.1 | alfa(a)=0.2100 | ki=0.9976 |
 Y | Lc = 30. | Ro = 1.52 | lm = 19.8 | Ncr= 234832.1 | alfa(a)=0.2100 | ki=0.9976 |
 Caso 1- 1 - Nodo 2 - Asse Z
 Ned = -36.4 | Mzeq = 106.3 | Myeq = 51.8 | Ss = -39.2 (0.018)

CASSONE_S003 (3) stato limite ultimo - ASTA (115- 120) 67
PROGR. 0.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	0.0	0.0	164.0	-7.8	16.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	1	Sx	36.9	0.0	0.0
1- 1	si	13	Tz	36.9	-7.8	0.0
1- 1	si	9	Ty	36.9	0.0	-8.2
						PROGR.
						4.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	52.4	25.6	0.0	164.0	-5.8	12.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	4	Sx	52.2	0.0	0.0
1- 1	si	13	Tz	30.9	-5.8	0.0
1- 1	si	9	Ty	33.2	0.0	-6.2
						PROGR.
						8.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	89.9	43.8	0.0	164.0	-3.9	8.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	4	Sx	63.2	0.0	0.0
1- 1	si	13	Tz	26.6	-3.9	0.0
1- 1	si	9	Ty	30.6	0.0	-4.1
						PROGR.
						11.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	112.4	54.8	0.0	164.0	-1.9	4.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	4	Sx	69.7	0.0	0.0
1- 1	si	13	Tz	24.0	-1.9	0.0
1- 1	si	9	Ty	29.0	0.0	-2.1
						PROGR.
						15.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	119.9	58.5	0.0	164.0	0.0	0.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	4	Sx	71.9	0.0	0.0
1- 1	si	13	Tz	23.2	0.0	0.0
1- 1	si	5	Ty	48.4	0.0	0.0
						PROGR.
						19.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	112.4	54.8	0.0	164.0	1.9	-4.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	4	Sx	69.7	0.0	0.0
1- 1	si	13	Tz	24.0	1.9	0.0
1- 1	si	9	Ty	29.0	0.0	2.1
						PROGR.
						22.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	89.9	43.8	0.0	164.0	3.9	-8.0
TENSIONI (Sz=	0.00)					
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	4	Sx	63.2	0.0	0.0
1- 1	si	13	Tz	26.6	3.9	0.0
1- 1	si	9	Ty	30.6	0.0	4.1
					PROGR.	26.
SOLLECITAZIONI						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	52.4	25.6	0.0	164.0	5.8	-12.0
TENSIONI (Sz=	0.00)					
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	4	Sx	52.2	0.0	0.0
1- 1	si	13	Tz	30.9	5.8	0.0
1- 1	si	9	Ty	33.2	0.0	6.2
					PROGR.	30.
SOLLECITAZIONI						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	0.0	0.0	164.0	7.8	-16.0
TENSIONI (Sz=	0.00)					
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	4	Sx	36.9	0.0	0.0
1- 1	si	13	Tz	36.9	7.8	0.0
1- 1	si	9	Ty	36.9	0.0	8.2
1- 1	si	12	Si	36.9	0.0	8.2
VERIFICA STABILITA' : asta tesa per tutti i casi di carico.						
CASSONE_S003 (3)	stato limite ultimo - ASTA (120- 91)					69
					PROGR.	0.
SOLLECITAZIONI						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	0.0	0.0	-70.0	-38.8	102.7
TENSIONI (Sz=	0.00)					
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	1	Sx	-15.8	0.0	15.8
1- 1	si	13	Tz	-15.8	-45.8	0.0
1- 1	si	5	Ty	-15.8	0.0	-51.8
					PROGR.	25.
SOLLECITAZIONI						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	2235.4	807.3	0.0	-70.0	-25.8	76.1
TENSIONI (Sz=	0.00)					
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	-612.5	0.0	0.0
1- 1	si	13	Tz	-319.6	-32.8	0.0
1- 1	si	5	Ty	142.6	0.0	-38.4
					PROGR.	50.
SOLLECITAZIONI						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	3805.0	1289.9	0.0	-70.0	-12.8	49.5
TENSIONI (Sz=	0.00)					
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	-1015.0	0.0	0.0
1- 1	si	13	Tz	-547.0	-19.9	0.0
1- 1	si	5	Ty	237.2	0.0	-25.0
					PROGR.	75.
SOLLECITAZIONI						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	4708.7	1447.7	0.0	-70.0	0.2	22.8
TENSIONI (Sz=	0.00)					
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	-1223.2	0.0	0.0
1- 1	si	14	Tz	1149.1	7.1	0.0
1- 1	si	5	Ty	268.2	0.0	-11.5
					PROGR.	100.
SOLLECITAZIONI						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	4946.6	1280.7	0.0	-70.0	13.2	-3.8
TENSIONI (Sz=	0.00)					
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	-1237.1	0.0	0.0
1- 1	si	7	Tz	-985.9	6.6	0.0
1- 1	si	9	Ty	-589.2	0.0	5.4
					PROGR.	125.
SOLLECITAZIONI						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	4518.6	789.0	0.0	-70.0	26.2	-30.4
TENSIONI (Sz=	0.00)					
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	-1056.7	0.0	0.0
1- 1	si	13	Tz	-770.5	18.9	0.0
1- 1	si	9	Ty	-614.3	0.0	19.1
					PROGR.	150.
SOLLECITAZIONI						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	3424.7	-27.5	0.0	-70.0	39.2	-57.1
TENSIONI (Sz=	0.00)					
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	1	Sx	-692.8	0.0	0.0
1- 1	si	13	Tz	-692.0	31.8	0.0

1- 1 si 9	Ty	-592.1	0.0	32.8	594.8	175.
-----						PROGR.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	1664.9	-1168.7	0.0	-70.0	52.1	-83.7

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 1	1	1	1	-571.5	0.0	0.0	571.5
1- 1 si 13	13	13	13	-537.1	44.7	0.0	542.7
1- 1 si 9	9	9	9	-522.5	0.0	46.5	528.7

PROGR. 200.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-760.7	-2634.7	0.0	-70.0	65.1	-110.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 4	4	4	4	-681.7	0.0	0.0	681.7
1- 1 si 13	13	13	13	-305.8	57.7	0.0	321.7
1- 1 si 9	9	9	9	-405.7	0.0	60.1	418.9

VERIFICA STABILITA` :

L0 = 200.
Z | Lc = 200. | Ro = 1.52 | Im = 132.0 | Ncr= 5283.7 | alfa(a)=0.2100 | ki=0.4153 |
Y | Lc = 200. | Ro = 1.52 | Im = 132.0 | Ncr= 5283.7 | alfa(a)=0.2100 | ki=0.4153 |
Caso 1- 1 - Nodo 1 - Asse Z
Ned = -70.0 | Mzeq = 4122.2 | Myeq = -1976.1 | Ss = -1250.1 (0.559)

CASSONE_S003 (3) stato limite ultimo - ASTA (102- 89) 71

PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	0.0	0.0	21.5	-39.8	105.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 1	1	1	1	4.8	0.0	0.0	4.8
1- 1 si 13	13	13	13	4.8	-46.9	0.0	81.3
1- 1 si 5	5	5	5	4.8	0.0	-53.0	92.0

PROGR. 25.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	2287.7	828.5	0.0	21.5	-26.5	77.9

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 4	4	4	4	616.0	0.0	0.0	616.0
1- 1 si 13	13	13	13	-305.7	-33.6	0.0	311.2
1- 1 si 5	5	5	5	167.3	0.0	-39.3	180.7

PROGR. 50.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	3894.3	1324.8	0.0	21.5	-13.2	50.6

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 4	4	4	4	1028.5	0.0	0.0	1028.5
1- 1 si 13	13	13	13	-538.1	-20.4	0.0	539.2
1- 1 si 5	5	5	5	264.7	0.0	-25.6	268.4

PROGR. 75.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	4819.7	1488.9	0.0	21.5	0.1	23.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 4	4	4	4	1242.2	0.0	0.0	1242.2
1- 1 si 14	14	14	14	1198.4	7.2	0.0	1198.4
1- 1 si 5	5	5	5	296.9	0.0	-11.8	297.6

PROGR. 100.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	5063.9	1320.8	0.0	21.5	13.4	-3.9

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 4	4	4	4	1257.1	0.0	0.0	1257.1
1- 1 si 7	7	7	7	-988.4	6.7	0.0	988.4
1- 1 si 9	9	9	9	-580.3	0.0	5.5	580.4

PROGR. 125.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	4627.0	820.4	0.0	21.5	26.7	-31.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 4	4	4	4	1073.2	0.0	0.0	1073.2
1- 1 si 13	13	13	13	-765.9	19.3	0.0	766.6
1- 1 si 9	9	9	9	-605.6	0.0	19.5	606.6

PROGR. 150.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	3508.8	-12.2	0.0	21.5	39.9	-58.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 3	3	3	3	695.4	0.0	0.0	695.4
1- 1 si 13	13	13	13	-685.4	32.5	0.0	687.7
1- 1 si 9	9	9	9	-582.5	0.0	33.5	585.4

1- 1 si 16	si	695.1	32.5	0.0	697.4	
-----						175.

SOLLECITAZIONI :						
Caso		MZ		MY		MT
1- 1		1709.5		-1177.1		0.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx		Tz
1- 1 si 3				571.0		0.0
1- 1 si 13				-526.7		45.7
1- 1 si 9				-511.0		0.0
-----						200.

SOLLECITAZIONI :						
Caso		MZ		MY		MT
1- 1		-770.9		-2674.1		0.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx		Tz
1- 1 si 2				680.5		0.0
1- 1 si 13				-289.8		58.9
1- 1 si 9				-391.1		0.0
-----						200.

VERIFICA STABILITA` :

L0 = 200.						
Z Lc = 200.	Ro = 1.52	Im = 132.0	Ncr= 5283.7	alfa(a)=0.2100	ki=0.4153	
Y Lc = 200.	Ro = 1.52	Im = 132.0	Ncr= 5283.7	alfa(a)=0.2100	ki=0.4153	
Caso 5-14 - Nodo 1 - Asse Z						
Ned = -8.4	Mzeq = 654.4	Myeq = -326.0	Ss = -197.2 (0.088)			

CASSONE_S003 (3)	-----	stato limite ultimo - ASTA (119- 90)	73
-----		PROGR.	0.

SOLLECITAZIONI :						
Caso		MZ		MY		MT
1- 1		0.0		0.0		0.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx		Tz
1- 1 si 1				-6.5		0.0
1- 1 si 13				-6.5		-47.1
1- 1 si 5				-6.5		0.0
-----						25.

SOLLECITAZIONI :						
Caso		MZ		MY		MT
1- 1		2303.1		831.8		0.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx		Tz
1- 1 si 2				-621.4		0.0
1- 1 si 13				-319.6		-33.9
1- 1 si 5				156.6		0.0
-----						50.

SOLLECITAZIONI :						
Caso		MZ		MY		MT
1- 1		3922.9		1330.3		0.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx		Tz
1- 1 si 2				-1036.8		0.0
1- 1 si 13				-554.1		-20.6
1- 1 si 5				254.4		0.0
-----						75.

SOLLECITAZIONI :						
Caso		MZ		MY		MT
1- 1		4859.3		1495.6		0.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx		Tz
1- 1 si 2				-1252.9		0.0
1- 1 si 14				1195.9		7.4
1- 1 si 5				286.8		0.0
-----						100.

SOLLECITAZIONI :						
Caso		MZ		MY		MT
1- 1		5112.3		1327.5		0.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx		Tz
1- 1 si 2				-1269.6		0.0
1- 1 si 7				-1009.2		6.8
1- 1 si 9				-598.4		0.0
-----						125.

SOLLECITAZIONI :						
Caso		MZ		MY		MT
1- 1		4681.9		826.1		0.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx		Tz
1- 1 si 2				-1086.8		0.0
1- 1 si 13				-787.1		19.2
1- 1 si 9				-625.0		0.0
-----						150.

SOLLECITAZIONI :						
Caso		MZ		MY		MT
1- 1		3568.2		-8.6		0.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx		Tz
1- 1 si 1				-708.0		0.0
1- 1 si 13				-707.8		32.5
1- 1 si 9				-603.1		0.0
-----						150.

----- PROGR. 175.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	1771.1	-1176.6	0.0	-28.9	53.4	-85.6

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-584.7	0.0	0.0	584.7
1- 1	si	13	Tz	-550.0	45.8	0.0	555.7
1- 1	si	9	Ty	-532.5	0.0	47.5	538.9

----- PROGR. 200.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-709.3	-2677.9	0.0	-28.9	66.7	-112.9

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-670.8	0.0	0.0	670.8
1- 1	si	13	Tz	-313.8	59.0	0.0	330.1
1- 1	si	9	Ty	-413.5	0.0	61.5	427.0

VERIFICA STABILITA` :

L0 = 200.
 Z | Lc = 200. | Ro = 1.52 | lm = 132.0 | Ncr= 5283.7 | alfa(a)=0.2100 | ki=0.4153 |
 Y | Lc = 200. | Ro = 1.52 | lm = 132.0 | Ncr= 5283.7 | alfa(a)=0.2100 | ki=0.4153 |
 Caso 1- 1 - Nodo 1 - Asse Z
 Ned = -28.9 | Mzeq = 4277.0 | Myeq = -2008.4 | Ss = -1255.2 (0.561)

CASSONE_S003 (3) stato limite ultimo - ASTA (89- 41) 75
----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-139.5	-68.0	0.0	0.0	-8.5	17.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-40.7	0.0	0.0	40.7
1- 1	si	13	Tz	16.0	-8.5	0.0	21.7
1- 1	si	9	Ty	9.9	0.0	-9.0	18.4

----- PROGR. 2.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-106.8	-52.1	0.0	0.0	-7.4	15.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-31.2	0.0	0.0	31.2
1- 1	si	13	Tz	12.3	-7.4	0.0	17.7
1- 1	si	9	Ty	7.6	0.0	-7.8	15.5

----- PROGR. 4.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-78.5	-38.3	0.0	0.0	-6.4	13.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-22.9	0.0	0.0	22.9
1- 1	si	13	Tz	9.0	-6.3	0.0	14.2
1- 1	si	9	Ty	5.6	0.0	-6.7	12.9

----- PROGR. 6.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-54.5	-26.6	0.0	0.0	-5.3	10.9

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-15.9	0.0	0.0	15.9
1- 1	si	13	Tz	6.3	-5.3	0.0	11.1
1- 1	si	9	Ty	3.9	0.0	-5.6	10.4

----- PROGR. 8.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-34.9	-17.0	0.0	0.0	-4.3	8.7

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-10.2	0.0	0.0	10.2
1- 1	si	13	Tz	4.0	-4.2	0.0	8.4
1- 1	si	9	Ty	2.5	0.0	-4.5	8.1

----- PROGR. 10.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-19.6	-9.6	0.0	0.0	-3.2	6.5

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-5.7	0.0	0.0	5.7
1- 1	si	13	Tz	2.3	-3.2	0.0	5.9
1- 1	si	9	Ty	1.4	0.0	-3.4	6.0
1- 1	si	5	Si	-1.9	0.0	-3.3	6.0

----- PROGR. 12.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-8.7	-4.3	0.0	0.0	-2.1	4.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-2.5	0.0	0.0	2.5
1- 1	si	13	Tz	1.0	-2.1	0.0	3.8
1- 1	si	9	Ty	0.6	0.0	-2.2	3.9

1- 1 si 12	Si	-0.6	0.0	-2.2	3.9	14.
-----						PROGR.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-2.2	-1.1	0.0	0.0	-1.1	2.2
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 4	Sx			-0.6	0.0	0.0
1- 1 si 13	Tz			0.3	-1.1	0.0
1- 1 si 9	Ty			0.2	0.0	-1.1
1- 1 si 12	Si			-0.2	0.0	-1.1
-----						PROGR.

16.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5- 2	0.0	0.0	0.0	0.1	0.0	0.0
4- 1	0.0	0.0	0.0	0.0	-0.2	-0.1
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
5- 2 si 4	Sx			0.0	0.0	0.0
4- 1 si 14	Tz			0.0	-0.1	0.0
4- 1 si 10	Ty			0.0	0.0	0.1

VERIFICA STABILITA` :

L0 = 16.
 Z | LC = 16. | Ro = 1.52 | Im = 10.6 | Ncr= 825581.6 | alfa(a)=0.2100 | ki=1.0000 |
 Y | LC = 16. | Ro = 1.52 | Im = 10.6 | Ncr= 825581.6 | alfa(a)=0.2100 | ki=1.0000 |
 Caso 4- 4 - Nodo 4 - Asse Z
 Ned = 0.0 | Mzeq = -14.9 | Myeq = -10.0 | Ss = -4.9 (0.002)

CASSONE_S003 (3) stato limite ultimo - ASTA (90- 39) 77
----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-140.0	-68.3	0.0	0.0	-8.5	17.5
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 4	Sx			-40.8	0.0	0.0
1- 1 si 13	Tz			16.1	-8.5	0.0
1- 1 si 9	Ty			9.9	0.0	-9.0
-----						PROGR.

2.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-107.2	-52.3	0.0	0.0	-7.5	15.3
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 4	Sx			-31.3	0.0	0.0
1- 1 si 13	Tz			12.3	-7.4	0.0
1- 1 si 9	Ty			7.6	0.0	-7.9
-----						PROGR.

4.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-78.7	-38.4	0.0	0.0	-6.4	13.1
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 4	Sx			-23.0	0.0	0.0
1- 1 si 13	Tz			9.0	-6.4	0.0
1- 1 si 9	Ty			5.6	0.0	-6.7
-----						PROGR.

6.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-54.7	-26.7	0.0	0.0	-5.3	10.9
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 4	Sx			-16.0	0.0	0.0
1- 1 si 13	Tz			6.3	-5.3	0.0
1- 1 si 9	Ty			3.9	0.0	-5.6
-----						PROGR.

8.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-35.0	-17.1	0.0	0.0	-4.3	8.7
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 4	Sx			-10.2	0.0	0.0
1- 1 si 13	Tz			4.0	-4.2	0.0
1- 1 si 9	Ty			2.5	0.0	-4.5
-----						PROGR.

10.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-19.7	-9.6	0.0	0.0	-3.2	6.6
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 4	Sx			-5.7	0.0	0.0
1- 1 si 13	Tz			2.3	-3.2	0.0
1- 1 si 9	Ty			1.4	0.0	-3.4
1- 1 si 5	Si			-1.9	0.0	-3.3
-----						PROGR.

12.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-8.7	-4.3	0.0	0.0	-2.1	4.4
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 4	Sx					
1- 1 si 13	Tz					
1- 1 si 9	Ty					
1- 1 si 5	Si					

1- 1	si	4	Sx	-2.6	0.0	0.0	2.6
1- 1	si	13	Tz	1.0	-2.1	0.0	3.8
1- 1	si	9	Ty	0.6	0.0	-2.2	3.9
1- 1	si	12	Si	-0.6	0.0	-2.2	3.9
-----							PROGR. 14.

SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		-2.2	-1.1	0.0	0.0	-1.1	2.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-0.6	0.0	0.0	0.6
1- 1	si	13	Tz	0.3	-1.1	0.0	1.9
1- 1	si	9	Ty	0.2	0.0	-1.1	2.0
1- 1	si	12	Si	-0.2	0.0	-1.1	2.0
-----							PROGR. 16.

SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
5-12		0.0	0.0	0.0	-0.1	0.0	0.0
4-10		0.0	0.0	0.0	0.0	0.0	0.0
4- 1		0.0	0.0	0.0	0.0	0.0	0.0
4- 2		0.0	0.0	0.0	0.0	0.0	0.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
5-12	si	3	Sx	0.0	0.0	0.0	0.0
4-10	si	14	Tz	0.0	0.0	0.0	0.0
4- 1	si	10	Ty	0.0	0.0	0.0	0.0
4- 2	si	15	Si	0.0	0.0	0.0	0.0

VERIFICA STABILITA' :

Z | L0 = 16. | Ro = 1.52 | Im = 10.6 | Ncr = 825581.6 | alfa(a)=0.2100 | ki=1.0000 |
 Y | Lc = 16. | Ro = 1.52 | Im = 10.6 | Ncr = 825581.6 | alfa(a)=0.2100 | ki=1.0000 |
 Caso 4-11 - Nodo 4 - Asse Z
 Ned = 0.0 | Mzeq = -15.7 | Myeq = -8.4 | Ss = -4.7 (0.002)

CASSONE_S003 (3) stato limite ultimo - ASTA (91- 43) 79
 ----- PROGR. 0.

SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		-136.4	-66.5	0.0	0.0	-8.3	17.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	39.8	0.0	0.0	39.8
1- 1	si	13	Tz	15.7	-8.3	0.0	21.2
1- 1	si	9	Ty	9.7	0.0	-8.7	18.0
-----							PROGR. 2.

SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		-104.4	-50.9	0.0	0.0	-7.3	14.9

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	30.5	0.0	0.0	30.5
1- 1	si	13	Tz	12.0	-7.2	0.0	17.3
1- 1	si	9	Ty	7.4	0.0	-7.7	15.2
-----							PROGR. 4.

SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		-76.7	-37.4	0.0	0.0	-6.2	12.8

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	22.4	0.0	0.0	22.4
1- 1	si	13	Tz	8.8	-6.2	0.0	13.9
1- 1	si	9	Ty	5.5	0.0	-6.6	12.6
-----							PROGR. 6.

SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		-53.3	-26.0	0.0	0.0	-5.2	10.7

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	15.5	0.0	0.0	15.5
1- 1	si	13	Tz	6.1	-5.2	0.0	10.8
1- 1	si	9	Ty	3.8	0.0	-5.5	10.2
-----							PROGR. 8.

SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		-34.1	-16.6	0.0	0.0	-4.2	8.5

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	9.9	0.0	0.0	9.9
1- 1	si	13	Tz	3.9	-4.1	0.0	8.2
1- 1	si	9	Ty	2.4	0.0	-4.4	8.0
-----							PROGR. 10.

SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
1- 1		-19.2	-9.4	0.0	0.0	-3.1	6.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	5.6	0.0	0.0	5.6
1- 1	si	13	Tz	2.2	-3.1	0.0	5.8
1- 1	si	9	Ty	1.4	0.0	-3.3	5.8
1- 1	si	6	Si	1.8	0.0	-3.2	5.9

-----											PROGR.	12.
SOLLECITAZIONI :												
Caso			MZ		MY		MT		N	TZ	TY	
1- 1			-8.5		-4.2		0.0		0.0	-2.1	4.3	
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi		Sx		Tz		Ty	Si		
1- 1	si	2	Sx		2.5		0.0		0.0	2.5		
1- 1	si	13	Tz		1.0		-2.1		0.0	3.7		
1- 1	si	9	TySi		0.6		0.0		-2.2	3.8		
-----											PROGR.	14.
SOLLECITAZIONI :												
Caso			MZ		MY		MT		N	TZ	TY	
1- 1			-2.1		-1.0		0.0		0.0	-1.0	2.1	
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi		Sx		Tz		Ty	Si		
1- 1	si	2	Sx		0.6		0.0		0.0	0.6		
1- 1	si	13	Tz		0.2		-1.0		0.0	1.8		
1- 1	si	9	TySi		0.2		0.0		-1.1	1.9		
-----											PROGR.	16.
SOLLECITAZIONI :												
Caso			MZ		MY		MT		N	TZ	TY	
5-10			0.0		0.0		0.0		-0.2	0.0	0.0	
4-13			0.0		0.0		0.0		0.0	0.2	0.1	
4-14			0.0		0.0		0.0		0.1	0.2	0.1	
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi		Sx		Tz		Ty	Si		
5-10	si	2	Sx		0.0		0.0		0.0	0.0		
4-13	si	14	Tz		0.0		0.1		0.0	0.2		
4-13	si	10	Ty		0.0		0.0		-0.1	0.2		
4-14	si	14	Si		0.0		0.1		0.0	0.2		

VERIFICA STABILITA` :												
L0 = 16.												
Z Lc = 16. Ro = 1.52 lm = 10.6 Ncr= 825581.6 alfa(a)=0.2100 ki=1.0000												
Y Lc = 16. Ro = 1.52 lm = 10.6 Ncr= 825581.6 alfa(a)=0.2100 ki=1.0000												
Caso 4- 3 - Nodo 4 - Asse Z												
Ned = -0.1 Mzeq = -14.4 Myeq = -10.2 Ss = -4.8 (0.002)												
CASSONE_S003 (3) stato limite ultimo - ASTA (92- 114)											81	
-----											PROGR.	0.
SOLLECITAZIONI :												
Caso			MZ		MY		MT		N	TZ	TY	
1- 1			2172.3		-715.4		0.0		955.9	-37.1	45.8	
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi		Sx		Tz		Ty	Si		
1- 1	si	3	Sx		781.7		0.0		0.0	781.7		
1- 1	si	13	Tz		-330.0		-27.6		0.0	333.5		
1- 1	si	9	Ty		-287.2		0.0		-28.1	291.3		
-----											PROGR.	15.
SOLLECITAZIONI :												
Caso			MZ		MY		MT		N	TZ	TY	
1- 1			2739.8		-216.8		0.0		955.9	-29.3	29.8	
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi		Sx		Tz		Ty	Si		
1- 1	si	3	Sx		795.2		0.0		0.0	795.2		
1- 1	si	13	Tz		-358.2		-19.9		0.0	359.9		
1- 1	si	9	Ty		-284.0		0.0		-19.9	286.1		
-----											PROGR.	30.
SOLLECITAZIONI :												
Caso			MZ		MY		MT		N	TZ	TY	
1- 1			3067.5		164.9		0.0		955.9	-21.6	13.9	
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi		Sx		Tz		Ty	Si		
1- 1	si	4	Sx		849.3		0.0		0.0	849.3		
1- 1	si	13	Tz		-358.9		-12.1		0.0	359.5		
1- 1	si	9	Ty		-263.8		0.0		-11.7	264.5		
-----											PROGR.	45.
SOLLECITAZIONI :												
Caso			MZ		MY		MT		N	TZ	TY	
1- 1			3155.5		429.7		0.0		955.9	-13.8	-2.1	
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi		Sx		Tz		Ty	Si		
1- 1	si	4	Sx		918.5		0.0		0.0	918.5		
1- 1	si	7	Tz		-403.6		-6.9		0.0	403.8		
1- 1	si	10	Ty		-395.1		0.0		5.0	395.2		
-----											PROGR.	60.
SOLLECITAZIONI :												
Caso			MZ		MY		MT		N	TZ	TY	
1- 1			3003.9		577.6		0.0		955.9	-6.0	-18.1	
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi		Sx		Tz		Ty	Si		
1- 1	si	4	Sx		917.7		0.0		0.0	917.7		
1- 1	si	14	Tz		900.7		-7.7		0.0	900.8		
1- 1	si	5	Ty		328.6		0.0		9.1	329.0		
-----											PROGR.	75.
SOLLECITAZIONI :												
Caso			MZ		MY		MT		N	TZ	TY	
1- 1			2612.5		608.6		0.0		955.9	1.8	-34.1	
TENSIONI (Sz= 0.00) :												
Caso	Ve	No	massimi		Sx		Tz		Ty	Si		
1- 1	si	4	Sx		847.0		0.0		0.0	847.0		

1- 1	si	13	Tz	-195.6	11.2	0.0	196.6		
1- 1	si	5	Ty	334.6	0.0	17.2	336.0		
-----								PROGR.	90.
SOLLECITAZIONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			1981.3	522.6	0.0	955.9	9.6	-50.1	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx Si	706.4	0.0	0.0	706.4		
1- 1	si	13	Tz	-86.2	18.9	0.0	92.2		
1- 1	si	5	Ty	317.8	0.0	25.3	320.8		
-----								PROGR.	105.
SOLLECITAZIONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			1110.5	319.8	0.0	955.9	17.4	-66.0	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx Si	495.8	0.0	0.0	495.8		
1- 1	si	13	Tz	50.8	26.7	0.0	68.7		
1- 1	si	5	Ty	278.0	0.0	33.3	283.9		
-----								PROGR.	120.
SOLLECITAZIONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			0.0	0.0	0.0	955.9	25.2	-82.0	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	215.3	0.0	0.0	215.3		
1- 1	si	13	Tz	215.3	34.4	0.0	223.4		
1- 1	si	5	Ty	215.3	0.0	41.4	226.9		
1- 1	si	6	Si	215.3	0.0	41.4	226.9		

VERIFICA STABILITA' : asta tesa per tutti i casi di carico.									
CASSONE_S003 (3) stato limite ultimo - ASTA (93- 113)								83	
-----								PROGR.	0.
SOLLECITAZIONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			508.4	-829.0	0.0	65.6	-38.8	61.2	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	3	Sx Si	277.1	0.0	0.0	277.1		
1- 1	si	13	Tz	-223.2	-32.9	0.0	230.3		
1- 1	si	9	Ty	-232.6	0.0	-34.2	240.0		
-----								PROGR.	15.
SOLLECITAZIONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			1303.2	-306.8	0.0	65.6	-30.8	44.8	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	3	Sx Si	330.5	0.0	0.0	330.5		
1- 1	si	13	Tz	-292.0	-25.0	0.0	295.2		
1- 1	si	9	Ty	-262.7	0.0	-25.8	266.4		
-----								PROGR.	30.
SOLLECITAZIONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			1852.7	95.9	0.0	65.6	-22.9	28.5	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx Si	396.9	0.0	0.0	396.9		
1- 1	si	13	Tz	-332.6	-17.1	0.0	333.9		
1- 1	si	9	Ty	-275.3	0.0	-17.4	276.9		
-----								PROGR.	45.
SOLLECITAZIONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			2156.9	378.9	0.0	65.6	-14.9	12.1	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx Si	512.1	0.0	0.0	512.1		
1- 1	si	13	Tz	-345.1	-9.1	0.0	345.5		
1- 1	si	9	Ty	-270.5	0.0	-9.0	271.0		
-----								PROGR.	60.
SOLLECITAZIONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			2216.0	542.3	0.0	65.6	-6.9	-4.2	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx Si	555.8	0.0	0.0	555.8		
1- 1	si	14	Tz	539.8	-3.8	0.0	539.8		
1- 1	si	10	Ty	-461.0	0.0	3.7	461.1		
-----								PROGR.	75.
SOLLECITAZIONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			2029.8	586.1	0.0	65.6	1.1	-20.6	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx Si	527.8	0.0	0.0	527.8		
1- 1	si	13	Tz	-285.6	6.7	0.0	285.9		
1- 1	si	5	Ty	129.7	0.0	10.4	131.0		
-----								PROGR.	90.
SOLLECITAZIONI :									
Caso			MZ	MY	MT	N	TZ	TY	
1- 1			1598.4	510.4	0.0	65.6	9.0	-36.9	

TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx Si	428.4	0.0	0.0	428.4		
1- 1	si	13	Tz	-213.7	14.7	0.0	215.2		
1- 1	si	5	Ty	114.9	0.0	18.6	119.3		
								PROGR.	105.
SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		921.8		315.0	0.0	65.6	17.0	-53.3	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx Si	257.3	0.0	0.0	257.3		
1- 1	si	13	Tz	-113.5	22.6	0.0	120.1		
1- 1	si	5	Ty	76.5	0.0	26.9	89.6		
								PROGR.	120.
SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		0.0		0.0	0.0	65.6	25.0	-69.6	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	14.8	0.0	0.0	14.8		
1- 1	si	13	Tz	14.8	30.5	0.0	54.9		
1- 1	si	5	TySi	14.8	0.0	35.1	62.6		
VERIFICA STABILITA` : asta tesa per tutti i casi di carico.									
CASSONE_S003 (3) stato limite ultimo - ASTA (94- 111) 85									
								PROGR.	0.
SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		-794.0		-946.9	0.0	-25.0	-39.9	72.2	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx Si	-347.1	0.0	0.0	347.1		
1- 1	si	13	Tz	-7.8	-36.7	0.0	64.1		
1- 1	si	9	Ty	-59.0	0.0	-38.5	89.0		
								PROGR.	15.
SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		166.3		-408.6	0.0	-25.0	-31.9	55.8	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	-118.4	0.0	0.0	118.4		
1- 1	si	13	Tz	-106.4	-28.8	0.0	117.5		
1- 1	si	9	TySi	-113.5	0.0	-30.1	124.9		
								PROGR.	30.
SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		880.6		9.8	0.0	-25.0	-23.9	39.4	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	-180.2	0.0	0.0	180.2		
1- 1	si	13	Tz Si	-176.7	-20.8	0.0	180.4		
1- 1	si	9	Ty	-150.5	0.0	-21.7	155.1		
								PROGR.	45.
SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		1348.9		308.1	0.0	-25.0	-15.9	23.0	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx Si	-330.6	0.0	0.0	330.6		
1- 1	si	13	Tz	-218.8	-12.9	0.0	219.9		
1- 1	si	9	Ty	-170.1	0.0	-13.3	171.6		
								PROGR.	60.
SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		1571.1		486.5	0.0	-25.0	-7.9	6.6	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx Si	-409.2	0.0	0.0	409.2		
1- 1	si	13	Tz	-232.7	-4.9	0.0	232.8		
1- 1	si	9	Ty	-172.1	0.0	-4.8	172.3		
								PROGR.	75.
SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		1547.4		544.8	0.0	-25.0	0.1	-9.8	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx Si	-416.0	0.0	0.0	416.0		
1- 1	si	13	Tz	-218.3	3.1	0.0	218.3		
1- 1	si	5	Ty	101.2	0.0	4.9	101.6		
								PROGR.	90.
SOLLECITAZIONI :									
Caso		MZ		MY	MT	N	TZ	TY	
1- 1		1277.6		483.2	0.0	-25.0	8.1	-26.2	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx Si	-351.0	0.0	0.0	351.0		
1- 1	si	13	Tz	-175.6	11.0	0.0	176.7		
1- 1	si	5	Ty	89.2	0.0	13.2	92.0		
								PROGR.	105.
SOLLECITAZIONI :									

Caso	1- 1	MZ	761.8	MY	301.6	MT	0.0	N	-25.0	TZ	16.1	TY	-42.6
TENSIONI (Sz=			0.00)										
Caso	1- 1	Vel	No	massimi	Sx	Tz		Ty		Si			
	1- 1	si	2	Sx	-214.2	0.0		0.0		214.2			
	1- 1	si	13	Tz	-104.8	19.0		0.0		109.8			
	1- 1	si	5	Ty	53.5	0.0		21.5		65.2			
										PROGR.			120.

SOLLECITAZIONI													
Caso	1- 1	MZ	0.0	MY	0.0	MT	0.0	N	-25.0	TZ	24.1	TY	-59.0
TENSIONI (Sz=			0.00)										
Caso	1- 1	Vel	No	massimi	Sx	Tz		Ty		Si			
	1- 1	si	2	Sx	-5.6	0.0		0.0		5.6			
	1- 1	si	13	Tz	-5.6	26.9		0.0		47.0			
	1- 1	si	5	Ty	-5.6	0.0		29.8		51.9			
	1- 1	si	6	Si	-5.6	0.0		29.8		51.9			

VERIFICA STABILITA` :

Z | L0 = 120. | Ro = 1.52 | Im = 79.2 | Ncr= 14677.0 | alfa(a)=0.2100 | ki=0.7701 |
 Y | Lc = 120. | Ro = 1.52 | Im = 79.2 | Ncr= 14677.0 | alfa(a)=0.2100 | ki=0.7701 |
 Caso 1- 1 - Nodo 1 - Asse Z
 Ned = -25.0 | Mzeq = 1189.6 | Myeq = -710.2 | Ss = -380.5 (0.170)

CASSONE_S003 (3) stato limite ultimo - ASTA (95- 109) 87
 PROGR. 0.

SOLLECITAZIONI													
Caso	1- 1	MZ	-1682.2	MY	-953.6	MT	0.0	N	22.6	TZ	-39.8	TY	79.4
TENSIONI (Sz=			0.00)										
Caso	1- 1	Vel	No	massimi	Sx	Tz		Ty		Si			
	1- 1	si	2	Sx	522.1	0.0		0.0		522.1			
	1- 1	si	13	Tz	176.0	-38.9		0.0		188.5			
	1- 1	si	9	Ty	98.5	0.0		-41.1		121.5			
										PROGR.			15.

SOLLECITAZIONI													
Caso	1- 1	MZ	-613.7	MY	-415.8	MT	0.0	N	22.6	TZ	-31.9	TY	63.1
TENSIONI (Sz=			0.00)										
Caso	1- 1	Vel	No	massimi	Sx	Tz		Ty		Si			
	1- 1	si	2	Sx	207.0	0.0		0.0		207.0			
	1- 1	si	13	Tz	56.1	-31.0		0.0		77.7			
	1- 1	si	9	Ty	25.8	0.0		-32.7		62.3			
										PROGR.			30.

SOLLECITAZIONI													
Caso	1- 1	MZ	209.7	MY	2.4	MT	0.0	N	22.6	TZ	-23.9	TY	46.7
TENSIONI (Sz=			0.00)										
Caso	1- 1	Vel	No	massimi	Sx	Tz		Ty		Si			
	1- 1	si	4	Sx	46.7	0.0		0.0		46.7			
	1- 1	si	13	Tz	-35.6	-23.1		0.0		53.6			
	1- 1	si	9	Ty	-29.4	0.0		-24.3		51.4			
	1- 1	si	16	Si	45.8	-23.1		0.0		60.8			
										PROGR.			45.

SOLLECITAZIONI													
Caso	1- 1	MZ	787.8	MY	301.0	MT	0.0	N	22.6	TZ	-15.9	TY	30.4
TENSIONI (Sz=			0.00)										
Caso	1- 1	Vel	No	massimi	Sx	Tz		Ty		Si			
	1- 1	si	4	Sx	218.6	0.0		0.0		218.6			
	1- 1	si	13	Tz	-99.3	-15.1		0.0		102.7			
	1- 1	si	9	Ty	-67.2	0.0		-15.9		72.7			
										PROGR.			60.

SOLLECITAZIONI													
Caso	1- 1	MZ	1120.7	MY	480.0	MT	0.0	N	22.6	TZ	-7.9	TY	14.0
TENSIONI (Sz=			0.00)										
Caso	1- 1	Vel	No	massimi	Sx	Tz		Ty		Si			
	1- 1	si	4	Sx	319.0	0.0		0.0		319.0			
	1- 1	si	13	Tz	-134.7	-7.2		0.0		135.3			
	1- 1	si	9	Ty	-87.6	0.0		-7.5		88.6			
										PROGR.			75.

SOLLECITAZIONI													
Caso	1- 1	MZ	1208.3	MY	539.4	MT	0.0	N	22.6	TZ	0.0	TY	-2.3
TENSIONI (Sz=			0.00)										
Caso	1- 1	Vel	No	massimi	Sx	Tz		Ty		Si			
	1- 1	si	4	Sx	347.9	0.0		0.0		347.9			
	1- 1	si	13	Tz	-142.0	0.7		0.0		142.0			
	1- 1	si	5	Ty	110.9	0.0		1.2		110.9			
										PROGR.			90.

SOLLECITAZIONI													
Caso	1- 1	MZ	1050.8	MY	479.2	MT	0.0	N	22.6	TZ	8.0	TY	-18.7
TENSIONI (Sz=			0.00)										
Caso	1- 1	Vel	No	massimi	Sx	Tz		Ty		Si			
	1- 1	si	4	Sx	305.2	0.0		0.0		305.2			
	1- 1	si	13	Tz	-121.1	8.7		0.0		122.0			
	1- 1	si	5	Ty	99.1	0.0		9.4		100.4			
										PROGR.			105.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	648.0	299.4	0.0	22.6	16.0	-35.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	190.9	0.0	0.0	190.9
1- 1	si	13	Tz	-72.1	16.6	0.0	77.6
1- 1	si	5	Ty	63.8	0.0	17.7	70.8

PROGR. 120.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	0.0	0.0	22.6	23.9	-51.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	5.1	0.0	0.0	5.1
1- 1	si	13	Tz	5.1	24.5	0.0	42.8
1- 1	si	9	Ty	5.1	0.0	26.0	45.4
1- 1	si	12	Si	5.1	0.0	26.0	45.4

VERIFICA STABILITA' :

L0 = 120. |
Z | Lc = 120. | Ro = 1.52 | lm = 79.2 | Ncr = 14677.0 | alfa(a) = 0.2100 | ki = 0.7701 |
Y | Lc = 120. | Ro = 1.52 | lm = 79.2 | Ncr = 14677.0 | alfa(a) = 0.2100 | ki = 0.7701 |
Caso 4- 5 - Nodo 4 - Asse Z
Ned = 0.0 | Mzeq = -201.3 | Myeq = -105.8 | Ss = -60.2 (0.027)

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PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-2120.0	-938.1	0.0	17.1	-39.6	82.8

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	603.6	0.0	0.0	603.6
1- 1	si	13	Tz	263.3	-39.9	0.0	272.2
1- 1	si	9	Ty	173.3	0.0	-42.3	188.1

PROGR. 15.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-999.5	-403.6	0.0	17.1	-31.7	66.6

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	279.0	0.0	0.0	279.0
1- 1	si	13	Tz	132.6	-32.0	0.0	143.7
1- 1	si	9	Ty	91.3	0.0	-33.9	108.6

PROGR. 30.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-123.4	11.7	0.0	17.1	-23.7	50.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	30.4	0.0	0.0	30.4
1- 1	si	13	Tz	30.0	-24.1	0.0	51.4
1- 1	si	9	Ty	26.7	0.0	-25.5	51.7

PROGR. 45.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	508.2	307.8	0.0	17.1	-15.8	34.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	163.9	0.0	0.0	163.9
1- 1	si	13	Tz	-44.5	-16.2	0.0	52.6
1- 1	si	9	Ty	-20.5	0.0	-17.2	36.1

PROGR. 60.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	895.5	484.7	0.0	17.1	-7.8	17.7

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	274.5	0.0	0.0	274.5
1- 1	si	13	Tz	-91.0	-8.3	0.0	92.1
1- 1	si	5	Ty	98.9	0.0	-8.9	100.1

PROGR. 75.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	1038.2	542.3	0.0	17.1	0.1	1.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	313.9	0.0	0.0	313.9
1- 1	si	14	Tz	297.9	0.5	0.0	297.9
1- 1	si	5	Ty	110.2	0.0	-0.7	110.2

PROGR. 90.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	936.6	480.8	0.0	17.1	8.1	-14.9

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	281.8	0.0	0.0	281.8
1- 1	si	13	Tz	-99.7	7.5	0.0	100.5
1- 1	si	9	Ty	-58.0	0.0	7.9	59.6

PROGR. 105.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	590.5	300.0	0.0	17.1	16.0	-31.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	178.5	0.0	0.0	178.5
1- 1	si	13	Tz	-62.0	15.4	0.0	67.5
1- 1	si	9	Ty	-35.8	0.0	16.3	45.5

PROGR. 120.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	0.0	0.0	17.1	24.0	-47.5

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	3	Sx	3.8	0.0	0.0	3.8
1- 1	si	13	Tz	3.8	23.4	0.0	40.6
1- 1	si	9	Ty	3.8	0.0	24.6	42.8
1- 1	si	12	Si	3.8	0.0	24.6	42.8

VERIFICA STABILITA' :

L0 = 120. |
Z | Lc = 120. | Ro = 1.52 | lm = 79.2 | Ncr = 14677.0 | alfa(a) = 0.2100 | ki = 0.7701 |
Y | Lc = 120. | Ro = 1.52 | lm = 79.2 | Ncr = 14677.0 | alfa(a) = 0.2100 | ki = 0.7701 |
Caso 5- 6 - Nodo 4 - Asse Z
Ned = -3.4 | Mzeq = -251.4 | Myeq = -91.1 | Ss = -68.2 (0.030)

CASSONE_S003 (3) stato limite ultimo - ASTA (97- 107) 91
PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-2124.3	-946.0	0.0	1.2	-39.8	83.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	602.5	0.0	0.0	602.5
1- 1	si	13	Tz	259.2	-40.1	0.0	268.3
1- 1	si	9	Ty	168.9	0.0	-42.4	184.2

PROGR. 15.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1000.5	-409.2	0.0	1.2	-31.8	66.7

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	276.8	0.0	0.0	276.8
1- 1	si	13	Tz	128.3	-32.1	0.0	139.8
1- 1	si	9	Ty	86.8	0.0	-34.0	104.9

PROGR. 30.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-121.9	8.1	0.0	1.2	-23.8	50.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	25.8	0.0	0.0	25.8
1- 1	si	13	Tz	25.5	-24.2	0.0	49.1
1- 1	si	9	Ty	22.2	0.0	-25.6	49.6

PROGR. 45.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	511.5	305.7	0.0	1.2	-15.9	34.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	160.6	0.0	0.0	160.6
1- 1	si	13	Tz	-49.1	-16.3	0.0	56.6
1- 1	si	9	Ty	-25.0	0.0	-17.2	39.0

PROGR. 60.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	899.6	483.8	0.0	1.2	-7.9	17.7

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	271.6	0.0	0.0	271.6
1- 1	si	13	Tz	-95.5	-8.3	0.0	96.6
1- 1	si	5	Ty	95.2	0.0	-8.9	96.4

PROGR. 75.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	1042.5	542.3	0.0	1.2	0.1	1.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	311.1	0.0	0.0	311.1
1- 1	si	14	Tz	295.2	0.5	0.0	295.2
1- 1	si	5	Ty	106.6	0.0	-0.7	106.6

PROGR. 90.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	940.3	481.1	0.0	1.2	8.1	-15.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	279.1	0.0	0.0	279.1
1- 1	si	13	Tz	-103.9	7.6	0.0	104.7
1- 1	si	9	Ty	-62.1	0.0	7.9	63.6

PROGR. 105.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	592.7	300.4	0.0	1.2	16.0	-31.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	175.4	0.0	0.0	175.4
1- 1	si	13	Tz	-65.9	15.5	0.0	71.1
1- 1	si	9	Ty	-39.6	0.0	16.3	48.7

PROGR. 120.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5- 4	0.0	0.0	0.0	2.8	3.8	-7.1
1- 1	0.0	0.0	0.0	1.2	24.0	-47.7

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
5- 4	si	3	Sx	0.6	0.0	0.0	0.6
1- 1	si	13	Tz	0.3	23.4	0.0	40.6
1- 1	si	9	Ty	0.3	0.0	24.7	42.8
1- 1	si	12	Si	0.3	0.0	24.7	42.8

VERIFICA STABILITA' :

Z | L0 = 120. |
 Y | Lc = 120. | Ro = 1.52 | Im = 79.2 | Ncr= 14677.0 | alfa(a)=0.2100 | ki=0.7701 |
 Y | Lc = 120. | Ro = 1.52 | Im = 79.2 | Ncr= 14677.0 | alfa(a)=0.2100 | ki=0.7701 |
 Caso 5-14 - Nodo 4 - Asse Z
 Ned = -0.8 | Mzeq = -260.1 | Myeq = -122.8 | Ss = -75.3 (0.034)

CASSONE_S003 (3) stato limite ultimo - ASTA (98- 106) 93
 PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1675.6	-947.6	0.0	-0.3	-39.8	79.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-514.6	0.0	0.0	514.6
1- 1	si	13	Tz	170.6	-38.9	0.0	183.4
1- 1	si	9	Ty	93.4	0.0	-41.1	117.4

PROGR. 15.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-607.9	-410.6	0.0	-0.3	-31.8	63.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-199.8	0.0	0.0	199.8
1- 1	si	13	Tz	50.7	-31.0	0.0	73.8
1- 1	si	9	Ty	20.7	0.0	-32.7	60.3

PROGR. 30.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	214.6	6.9	0.0	-0.3	-23.8	46.7

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-43.5	0.0	0.0	43.5
1- 1	si	13	Tz	-41.0	-23.0	0.0	57.2
1- 1	si	9	Ty	-34.5	0.0	-24.3	54.4

PROGR. 45.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	791.9	304.7	0.0	-0.3	-15.9	30.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-215.2	0.0	0.0	215.2
1- 1	si	13	Tz	-104.6	-15.1	0.0	107.8
1- 1	si	9	Ty	-72.3	0.0	-15.9	77.4

PROGR. 60.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	1124.0	483.0	0.0	-0.3	-7.9	14.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-315.3	0.0	0.0	315.3
1- 1	si	13	Tz	-140.0	-7.2	0.0	140.5
1- 1	si	9	Ty	-92.7	0.0	-7.5	93.6

PROGR. 75.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	1210.8	541.7	0.0	-0.3	0.1	-2.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-343.8	0.0	0.0	343.8
1- 1	si	13	Tz	-147.3	0.8	0.0	147.3
1- 1	si	5	Ty	106.2	0.0	1.2	106.2

PROGR. 90.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	1052.4	480.7	0.0	-0.3	8.1	-18.7

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	-300.8	0.0	0.0	300.8
1- 1	si	13	Tz	-126.3	8.7	0.0	127.2
1- 1	si	5	Ty	94.2	0.0	9.5	95.6


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----- PROGR. 105.
SOLLECITAZIONI :
Caso MZ MY MT N TZ TY
1- 1 648.8 300.2 0.0 -0.3 16.0 -35.1
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 2 Sx Si -186.2 0.0 0.0 186.2
1- 1 si 13 Tz Si -77.3 16.6 0.0 82.5
1- 1 si 5 Ty Si 58.8 0.0 17.7 66.3
----- PROGR. 120.
SOLLECITAZIONI :
Caso MZ MY MT N TZ TY
5- 3 0.0 0.0 0.0 -2.3 3.7 -7.6
1- 1 0.0 0.0 0.0 -0.3 24.0 -51.4
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
5- 3 si 1 Sx Si -0.5 0.0 0.0 0.5
1- 1 si 13 Tz Si -0.1 24.6 0.0 42.6
1- 1 si 9 Ty Si -0.1 0.0 26.1 45.1
-----
VERIFICA STABILITA` :
L0 = 120.
Z Lc = 120. Ro = 1.52 Im = 79.2 Ncr= 14677.0 alfa(a )=0.2100 ki=0.7701
Y Lc = 120. Ro = 1.52 Im = 79.2 Ncr= 14677.0 alfa(a )=0.2100 ki=0.7701
Caso 1- 1 - Nodo 4 - Asse Z
Ned = -0.3 Mzeq = -1256.7 Myeq = -710.7 Ss = -386.0 ( 0.172)
CASSONE_S003 ( 3) stato limite ultimo - ASTA ( 99- 105) 95
----- PROGR. 0.
SOLLECITAZIONI :
Caso MZ MY MT N TZ TY
1- 1 -799.4 -946.2 0.0 -1.6 -39.8 72.1
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 4 Sx Si -342.7 0.0 0.0 342.7
1- 1 si 13 Tz Si -1.3 -36.7 0.0 63.5
1- 1 si 9 Ty Si -52.7 0.0 -38.4 84.9
----- PROGR. 15.
SOLLECITAZIONI :
Caso MZ MY MT N TZ TY
1- 1 158.8 -409.3 0.0 -1.6 -31.8 55.7
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 1 Sx Si -111.8 0.0 0.0 111.8
1- 1 si 13 Tz Si -99.8 -28.7 0.0 111.5
1- 1 si 9 Ty Si -107.1 0.0 -30.0 119.1
----- PROGR. 30.
SOLLECITAZIONI :
Caso MZ MY MT N TZ TY
1- 1 871.8 7.9 0.0 -1.6 -23.8 39.4
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 2 Sx Si -172.9 0.0 0.0 172.9
1- 1 si 13 Tz Si -170.0 -20.8 0.0 173.8
1- 1 si 9 Ty Si -144.1 0.0 -21.6 148.9
----- PROGR. 45.
SOLLECITAZIONI :
Caso MZ MY MT N TZ TY
1- 1 1339.6 305.6 0.0 -1.6 -15.9 23.0
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 2 Sx Si -323.0 0.0 0.0 323.0
1- 1 si 13 Tz Si -212.1 -12.9 0.0 213.3
1- 1 si 9 Ty Si -163.7 0.0 -13.2 165.3
----- PROGR. 60.
SOLLECITAZIONI :
Caso MZ MY MT N TZ TY
1- 1 1562.1 483.7 0.0 -1.6 -7.9 6.7
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 2 Sx Si -401.6 0.0 0.0 401.6
1- 1 si 13 Tz Si -226.1 -4.9 0.0 226.3
1- 1 si 9 Ty Si -165.9 0.0 -4.8 166.1
----- PROGR. 75.
SOLLECITAZIONI :
Caso MZ MY MT N TZ TY
1- 1 1539.4 542.2 0.0 -1.6 0.1 -9.7
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 2 Sx Si -408.6 0.0 0.0 408.6
1- 1 si 13 Tz Si -211.9 3.0 0.0 212.0
1- 1 si 5 Ty Si 106.0 0.0 4.9 106.3
----- PROGR. 90.
SOLLECITAZIONI :
Caso MZ MY MT N TZ TY
1- 1 1271.5 481.1 0.0 -1.6 8.1 -26.0
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 2 Sx Si -344.1 0.0 0.0 344.1
1- 1 si 13 Tz Si -169.5 11.0 0.0 170.6
1- 1 si 5 Ty Si 94.0 0.0 13.1 96.7

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----- PROGR. 105.
SOLLECITAZIONI :
Caso MZ MY MT N TZ TY
1- 1 758.4 300.3 0.0 -1.6 16.0 -42.4
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 2 Sx Si -208.0 0.0 0.0 208.0
1- 1 si 13 Tz Ty -99.0 18.9 0.0 104.3
1- 1 si 5 Ty Ty 58.5 0.0 21.4 69.3
----- PROGR. 120.
SOLLECITAZIONI :
Caso MZ MY MT N TZ TY
5- 4 0.0 0.0 0.0 2.3 3.5 -8.5
1- 1 0.0 0.0 0.0 -1.6 24.0 -58.7
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
5- 4 si 3 Sx Si 0.5 0.0 0.0 0.5
1- 1 si 13 Tz Ty -0.4 26.8 0.0 46.5
1- 1 si 5 Ty Ty -0.4 0.0 29.6 51.3
-----
VERIFICA STABILITA` :
L0 = 120.
Z Lc = 120. Ro = 1.52 Im = 79.2 Ncr= 14677.0 alfa(a )=0.2100 ki=0.7701
Y Lc = 120. Ro = 1.52 Im = 79.2 Ncr= 14677.0 alfa(a )=0.2100 ki=0.7701
Caso 1- 1 - Nodo 1 - Asse Z
Ned = -1.6 Mzeq = 1180.6 Myeq = -709.7 Ss = -371.3 ( 0.166)
CASSONE_S003 ( 3) stato limite ultimo - ASTA ( 100- 104) 97
----- PROGR. 0.
SOLLECITAZIONI :
Caso MZ MY MT N TZ TY
1- 1 456.2 -941.8 0.0 -13.7 -39.7 61.6
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 1 Sx Si -277.3 0.0 0.0 277.3
1- 1 si 13 Tz Ty -249.6 -33.4 0.0 256.2
1- 1 si 9 Ty Ty -263.9 0.0 -34.6 270.6
----- PROGR. 15.
SOLLECITAZIONI :
Caso MZ MY MT N TZ TY
1- 1 1257.5 -405.5 0.0 -13.7 -31.8 45.2
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 1 Sx Si -329.3 0.0 0.0 329.3
1- 1 si 13 Tz Ty -317.3 -25.5 0.0 320.4
1- 1 si 9 Ty Ty -292.3 0.0 -26.2 295.8
----- PROGR. 30.
SOLLECITAZIONI :
Caso MZ MY MT N TZ TY
1- 1 1813.5 11.3 0.0 -13.7 -23.8 28.9
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 2 Sx Si -361.0 0.0 0.0 361.0
1- 1 si 13 Tz Ty -356.9 -17.5 0.0 358.2
1- 1 si 9 Ty Ty -303.2 0.0 -17.8 304.8
----- PROGR. 45.
SOLLECITAZIONI :
Caso MZ MY MT N TZ TY
1- 1 2124.3 308.4 0.0 -13.7 -15.8 12.5
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 2 Sx Si -480.2 0.0 0.0 480.2
1- 1 si 13 Tz Ty -368.3 -9.6 0.0 368.7
1- 1 si 9 Ty Ty -296.8 0.0 -9.4 297.2
----- PROGR. 60.
SOLLECITAZIONI :
Caso MZ MY MT N TZ TY
1- 1 2189.9 485.9 0.0 -13.7 -7.8 -3.8
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 2 Sx Si -527.9 0.0 0.0 527.9
1- 1 si 14 Tz Ty 507.4 -4.0 0.0 507.5
1- 1 si 10 Ty Ty -463.5 0.0 3.8 463.5
----- PROGR. 75.
SOLLECITAZIONI :
Caso MZ MY MT N TZ TY
1- 1 2010.3 543.8 0.0 -13.7 0.1 -20.2
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 2 Sx Si -504.0 0.0 0.0 504.0
1- 1 si 13 Tz Ty -306.7 6.3 0.0 306.9
1- 1 si 5 Ty Ty 103.6 0.0 10.2 105.1
----- PROGR. 90.
SOLLECITAZIONI :
Caso MZ MY MT N TZ TY
1- 1 1585.4 482.2 0.0 -13.7 8.1 -36.5
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 2 Sx Si -408.6 0.0 0.0 408.6
1- 1 si 13 Tz Ty -233.7 14.2 0.0 234.9
1- 1 si 5 Ty Ty 91.5 0.0 18.4 96.9

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----- PROGR. 105.
SOLLECITAZIONI :
Caso MZ MY MT N TZ TY
1- 1 915.3 300.9 0.0 -13.7 16.1 -52.8
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 2 Sx Si -241.6 0.0 0.0 241.6
1- 1 si 13 Tz Ty -132.5 22.1 0.0 137.9
1- 1 si 5 Ty Ty 55.9 0.0 26.7 72.5
----- PROGR. 120.
SOLLECITAZIONI :
Caso MZ MY MT N TZ TY
1- 1 0.0 0.0 0.0 -13.7 24.0 -69.2
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 1 Sx Si -3.1 0.0 0.0 3.1
1- 1 si 13 Tz Ty -3.1 30.1 0.0 52.2
1- 1 si 5 Ty Ty -3.1 0.0 34.9 60.5
-----
VERIFICA STABILITA` :
L0 = 120.
Z Lc = 120. Ro = 1.52 lm = 79.2 Ncr= 14677.0 alfa(a )=0.2100 ki=0.7701
Y Lc = 120. Ro = 1.52 lm = 79.2 Ncr= 14677.0 alfa(a )=0.2100 ki=0.7701
Caso 1- 1 - Nodo 1 - Asse Z
Ned = -13.7 Mzeq = 1996.8 Myeq = -706.4 Ss = -534.7 ( 0.239)
CASSONE_S003 ( 3) stato limite ultimo - ASTA ( 101- 72) 99
----- PROGR. 0.
SOLLECITAZIONI :
Caso MZ MY MT N TZ TY
1- 1 -72.8 -35.5 0.0 0.0 -4.4 9.1
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 2 Sx Si 21.2 0.0 0.0 21.2
1- 1 si 13 Tz Ty 8.4 -4.4 0.0 11.3
1- 1 si 9 Ty Ty 5.2 0.0 -4.7 9.6
----- PROGR. 2.
SOLLECITAZIONI :
Caso MZ MY MT N TZ TY
1- 1 -55.7 -27.2 0.0 0.0 -3.9 8.0
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 2 Sx Si 16.3 0.0 0.0 16.3
1- 1 si 13 Tz Ty 6.4 -3.9 0.0 9.3
1- 1 si 9 Ty Ty 4.0 0.0 -4.1 8.1
----- PROGR. 4.
SOLLECITAZIONI :
Caso MZ MY MT N TZ TY
1- 1 -41.0 -20.0 0.0 0.0 -3.3 6.8
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 2 Sx Si 12.0 0.0 0.0 12.0
1- 1 si 13 Tz Ty 4.7 -3.3 0.0 7.4
1- 1 si 9 Ty Ty 2.9 0.0 -3.5 6.7
----- PROGR. 6.
SOLLECITAZIONI :
Caso MZ MY MT N TZ TY
1- 1 -28.4 -13.9 0.0 0.0 -2.8 5.7
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 2 Sx Si 8.3 0.0 0.0 8.3
1- 1 si 13 Tz Ty 3.3 -2.8 0.0 5.8
1- 1 si 9 Ty Ty 2.0 0.0 -2.9 5.4
----- PROGR. 8.
SOLLECITAZIONI :
Caso MZ MY MT N TZ TY
1- 1 -18.2 -8.9 0.0 0.0 -2.2 4.6
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 2 Sx Si 5.3 0.0 0.0 5.3
1- 1 si 13 Tz Ty 2.1 -2.2 0.0 4.4
1- 1 si 9 Ty Ty 1.3 0.0 -2.3 4.2
----- PROGR. 10.
SOLLECITAZIONI :
Caso MZ MY MT N TZ TY
1- 1 -10.2 -5.0 0.0 0.0 -1.7 3.4
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 2 Sx Si 3.0 0.0 0.0 3.0
1- 1 si 13 Tz Ty 1.2 -1.7 0.0 3.1
1- 1 si 9 Ty Ty 0.7 0.0 -1.8 3.1
1- 1 si 6 Si Si 1.0 0.0 -1.7 3.1
----- PROGR. 12.
SOLLECITAZIONI :
Caso MZ MY MT N TZ TY
1- 1 -4.6 -2.2 0.0 0.0 -1.1 2.3
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 2 Sx Si 1.3 0.0 0.0 1.3
1- 1 si 13 Tz Ty 0.5 -1.1 0.0 2.0
1- 1 si 9 Ty Ty 0.3 0.0 -1.2 2.0

```

----- PROGR. 14.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1.1	-0.6	0.0	0.0	-0.6	1.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	0.3	0.0	0.0	0.3
1- 1	si	13	Tz	0.1	-0.6	0.0	1.0
1- 1	si	9	TySi	0.1	0.0	-0.6	1.0

----- PROGR. 16.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5- 5	0.0	0.0	0.0	0.0	0.0	0.0
4- 1	0.0	0.0	0.0	0.0	0.0	0.0
4- 2	0.0	0.0	0.0	0.0	0.0	0.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
5- 5	si	2	Sx	0.0	0.0	0.0	0.0
4- 1	si	14	Tz	0.0	0.0	0.0	0.0
4- 1	si	10	Ty	0.0	0.0	0.0	0.0
4- 2	si	15	Si	0.0	0.0	0.0	0.0

VERIFICA STABILITA` :

Z | L0 = 16. | Ro = 1.52 | Im = 10.6 | Ncr= 825581.6 | alfa(a)=0.2100 | ki=1.0000 |

Y | Lc = 16. | Ro = 1.52 | Im = 10.6 | Ncr= 825581.6 | alfa(a)=0.2100 | ki=1.0000 |

Caso 5- 9 - Nodo 4 - Asse Z

Ned = 0.0 | Mzeq = -9.5 | Myeq = -4.8 | Ss = -2.8 (0.001)

CASSONE_S003 (3) stato limite ultimo - ASTA (104- 84) 100

----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	0.0	0.0	-17.7	-38.2	106.5

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-4.0	0.0	0.0	4.0
1- 1	si	13	Tz	-4.0	-46.7	0.0	81.0
1- 1	si	5	TySi	-4.0	0.0	-53.7	93.1

----- PROGR. 24.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	2241.7	764.8	0.0	-17.7	-25.5	80.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx Si	-593.7	0.0	0.0	593.7
1- 1	si	13	Tz	-316.2	-34.0	0.0	321.6
1- 1	si	5	Ty	146.0	0.0	-40.5	162.0

----- PROGR. 48.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	3855.7	1223.4	0.0	-17.7	-12.7	54.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx Si	-1000.2	0.0	0.0	1000.2
1- 1	si	13	Tz	-556.3	-21.3	0.0	557.5
1- 1	si	5	Ty	236.0	0.0	-27.3	240.7

----- PROGR. 72.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	4841.9	1375.9	0.0	-17.7	0.0	28.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx Si	-1223.5	0.0	0.0	1223.5
1- 1	si	14	Tz	1175.0	8.6	0.0	1175.1
1- 1	si	5	Ty	265.9	0.0	-14.1	267.0

----- PROGR. 96.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	5200.4	1222.1	0.0	-17.7	12.8	1.9

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx Si	-1263.6	0.0	0.0	1263.6
1- 1	si	7	Tz	-1023.9	6.5	0.0	1024.0
1- 1	si	10	Ty	-1110.6	0.0	-4.6	1110.7

----- PROGR. 120.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	4931.0	762.2	0.0	-17.7	25.5	-24.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx Si	-1120.6	0.0	0.0	1120.6
1- 1	si	13	Tz	-844.1	16.8	0.0	844.6
1- 1	si	9	Ty	-676.6	0.0	16.7	677.2

----- PROGR. 144.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	4033.9	-3.9	0.0	-17.7	38.3	-50.5

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-795.9	0.0	0.0	795.9

1- 1	si	13	Tz	Si	-795.8	29.5	0.0	797.5		
1- 1	si	9	Ty		-677.3	0.0	30.1	679.3		
									PROGR.	168.
SOLLECITAZIONI :										
Caso			MZ		MY	MT	N	TZ		TY
1- 1			2509.1		-1076.2	0.0	-17.7	51.1		-76.6
TENSIONI (Sz= 0.00) :										
Caso	Vel	No	massimi		Sx	Tz	Ty	Si		
1- 1	si	1	Sx	Si	-707.2	0.0	0.0	707.2		
1- 1	si	13	Tz		-675.5	42.2	0.0	679.5		
1- 1	si	9	Ty		-633.4	0.0	43.5	637.8		
									PROGR.	192.
SOLLECITAZIONI :										
Caso			MZ		MY	MT	N	TZ		TY
1- 1			356.4		-2454.7	0.0	-17.7	63.8		-102.8
TENSIONI (Sz= 0.00) :										
Caso	Vel	No	massimi		Sx	Tz	Ty	Si		
1- 1	si	1	Sx	Si	-555.3	0.0	0.0	555.3		
1- 1	si	13	Tz		-483.1	54.9	0.0	492.4		
1- 1	si	9	Ty		-544.9	0.0	57.0	553.7		
VERIFICA STABILITA` :										
Z	LO = 192.									
Y	LC = 192.									
	Ro = 1.52	Im = 126.7	Ncr= 5733.2	alfa(a)=0.2100	ki=0.4437					
	Ro = 1.52	Im = 126.7	Ncr= 5733.2	alfa(a)=0.2100	ki=0.4437					
Caso	1- 1 - Nod	1 - Asse Z								
Ned =	-17.7	Mzeq = 4584.2	Myeq = -1841.0	Ss = -1273.1	(0.569)					
CASSONE_S003 (3) stato limite ultimo - ASTA (105- 85) 102										
									PROGR.	0.
SOLLECITAZIONI :										
Caso			MZ		MY	MT	N	TZ		TY
1- 1			0.0		0.0	0.0	-13.2	-38.3		104.6
TENSIONI (Sz= 0.00) :										
Caso	Vel	No	massimi		Sx	Tz	Ty	Si		
1- 1	si	1	Sx		-3.0	0.0	0.0	3.0		
1- 1	si	13	Tz		-3.0	-46.1	0.0	80.0		
1- 1	si	5	Ty		-3.0	0.0	-52.8	91.5		
									PROGR.	24.
SOLLECITAZIONI :										
Caso			MZ		MY	MT	N	TZ		TY
1- 1			2197.1		765.0	0.0	-13.2	-25.5		78.5
TENSIONI (Sz= 0.00) :										
Caso	Vel	No	massimi		Sx	Tz	Ty	Si		
1- 1	si	2	Sx	Si	-583.9	0.0	0.0	583.9		
1- 1	si	13	Tz		-306.4	-33.5	0.0	311.8		
1- 1	si	5	Ty		147.1	0.0	-39.6	162.3		
									PROGR.	48.
SOLLECITAZIONI :										
Caso			MZ		MY	MT	N	TZ		TY
1- 1			3766.4		1223.9	0.0	-13.2	-12.7		52.3
TENSIONI (Sz= 0.00) :										
Caso	Vel	No	massimi		Sx	Tz	Ty	Si		
1- 1	si	2	Sx	Si	-981.7	0.0	0.0	981.7		
1- 1	si	13	Tz		-537.7	-20.8	0.0	538.9		
1- 1	si	5	Ty		237.1	0.0	-26.4	241.4		
									PROGR.	72.
SOLLECITAZIONI :										
Caso			MZ		MY	MT	N	TZ		TY
1- 1			4708.0		1376.5	0.0	-13.2	0.0		26.2
TENSIONI (Sz= 0.00) :										
Caso	Vel	No	massimi		Sx	Tz	Ty	Si		
1- 1	si	2	Sx	Si	-1196.3	0.0	0.0	1196.3		
1- 1	si	14	Tz		1149.9	8.1	0.0	1150.0		
1- 1	si	5	Ty		267.0	0.0	-13.2	268.0		
									PROGR.	96.
SOLLECITAZIONI :										
Caso			MZ		MY	MT	N	TZ		TY
1- 1			5021.7		1223.0	0.0	-13.2	12.8		0.0
TENSIONI (Sz= 0.00) :										
Caso	Vel	No	massimi		Sx	Tz	Ty	Si		
1- 1	si	2	Sx	Si	-1227.8	0.0	0.0	1227.8		
1- 1	si	7	Tz		-987.9	6.4	0.0	988.0		
1- 1	si	9	Ty		-600.3	0.0	3.9	600.3		
									PROGR.	120.
SOLLECITAZIONI :										
Caso			MZ		MY	MT	N	TZ		TY
1- 1			4707.7		763.3	0.0	-13.2	25.5		-26.2
TENSIONI (Sz= 0.00) :										
Caso	Vel	No	massimi		Sx	Tz	Ty	Si		
1- 1	si	2	Sx	Si	-1076.0	0.0	0.0	1076.0		
1- 1	si	13	Tz		-799.1	17.3	0.0	799.6		
1- 1	si	9	Ty		-638.1	0.0	17.4	638.8		
									PROGR.	144.
SOLLECITAZIONI :										
Caso			MZ		MY	MT	N	TZ		TY
1- 1			3766.0		-2.6	0.0	-13.2	38.3		-52.3
TENSIONI (Sz= 0.00) :										
Caso	Vel	No	massimi		Sx	Tz	Ty	Si		
1- 1	si	1	Sx		-742.1	0.0	0.0	742.1		
1- 1	si	13	Tz		-742.0	30.0	0.0	743.9		

1- 1 si 9	Ty	-631.3	0.0	30.8	633.6	168.
-----						PROGR.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	2196.4	-1074.6	0.0	-13.2	51.0	-78.5
TENSIONI (Sz= 0.00) :						

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 1	Sx	Si		-644.5	0.0	0.0	644.5
1- 1 si 13	Tz			-612.9	42.7	0.0	617.4
1- 1 si 9	Ty			-579.9	0.0	44.2	585.0
-----							PROGR.

192.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-0.9	-2452.9	0.0	-13.2	63.8	-104.6
TENSIONI (Sz= 0.00) :						

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 4	Sx	Si		-484.2	0.0	0.0	484.2
1- 1 si 13	Tz			-411.7	55.4	0.0	422.8
1- 1 si 9	Ty			-483.9	0.0	57.6	494.1
-----							PROGR.

VERIFICA STABILITA` :

L0 = 192.
 Z | Lc = 192. | Ro = 1.52 | Im = 126.7 | Ncr= 5733.2 | alfa(a)=0.2100 | ki=0.4437 |
 Y | Lc = 192. | Ro = 1.52 | Im = 126.7 | Ncr= 5733.2 | alfa(a)=0.2100 | ki=0.4437 |
 Caso 1- 1 - Nodo 1 - Asse Z
 Ned = -13.2 | Mzeq = 4352.0 | Myeq = -1839.7 | Ss = -1223.9 (0.547)

CASSONE_S003 (3) stato limite ultimo - ASTA (106- 86) 104

 PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	0.0	0.0	21.2	-38.3	103.3
TENSIONI (Sz= 0.00) :						

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 1	Sx			4.8	0.0	0.0	4.8
1- 1 si 13	Tz			4.8	-45.7	0.0	79.4
1- 1 si 5	Ty			4.8	0.0	-52.1	90.4
-----							PROGR.

24.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	2164.7	765.7	0.0	21.2	-25.5	77.1
TENSIONI (Sz= 0.00) :						

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 4	Sx	Si		579.5	0.0	0.0	579.5
1- 1 si 13	Tz			-292.1	-33.0	0.0	297.7
1- 1 si 5	Ty			155.0	0.0	-38.9	169.0
-----							PROGR.

48.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	3701.6	1225.2	0.0	21.2	-12.8	51.0
TENSIONI (Sz= 0.00) :						

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 4	Sx	Si		971.1	0.0	0.0	971.1
1- 1 si 13	Tz			-517.0	-20.3	0.0	518.2
1- 1 si 5	Ty			245.1	0.0	-25.7	249.1
-----							PROGR.

72.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	4610.8	1378.6	0.0	21.2	0.0	24.8
TENSIONI (Sz= 0.00) :						

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 4	Sx	Si		1179.5	0.0	0.0	1179.5
1- 1 si 13	Tz			-669.7	-7.7	0.0	669.9
1- 1 si 5	Ty			275.2	0.0	-12.5	276.0
-----							PROGR.

96.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	4892.2	1225.8	0.0	21.2	12.7	-1.4
TENSIONI (Sz= 0.00) :						

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 4	Sx	Si		1204.7	0.0	0.0	1204.7
1- 1 si 7	Tz			-954.7	6.4	0.0	954.8
1- 1 si 9	Ty			-570.4	0.0	4.4	570.5
-----							PROGR.

120.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	4545.8	766.7	0.0	21.2	25.5	-27.5
TENSIONI (Sz= 0.00) :						

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 4	Sx	Si		1046.7	0.0	0.0	1046.7
1- 1 si 13	Tz			-759.0	17.7	0.0	759.6
1- 1 si 9	Ty			-602.7	0.0	17.8	603.5
-----							PROGR.

144.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	3571.7	1.5	0.0	21.2	38.3	-53.7
TENSIONI (Sz= 0.00) :						

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1 si 4	Sx			705.6	0.0	0.0	705.6
1- 1 si 13	Tz			-695.5	30.4	0.0	697.5
1- 1 si 9	Ty			-590.4	0.0	31.3	592.8
-----							PROGR.

1- 1 si 16	si	705.0	30.4	0.0	707.0	
-----						PROGR. 168.
SOLLECITAZIONI :						
Caso		MZ	MY	MT	N	TZ TY
1- 1		1969.7	-1069.9	0.0	21.2	51.0 -79.8
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty Si
1- 1 si 3			Sx	Si	0.0	0.0 600.9
1- 1 si 13			Tz		0.0	0.0 564.9
1- 1 si 9			Ty		0.0	0.0 539.0
-----						PROGR. 192.
SOLLECITAZIONI :						
Caso		MZ	MY	MT	N	TZ TY
1- 1		-260.0	-2447.4	0.0	21.2	63.8 -106.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty Si
1- 1 si 2			Sx	Si	0.0	0.0 535.8
1- 1 si 13			Tz		0.0	0.0 365.3
1- 1 si 9			Ty		0.0	0.0 443.5

VERIFICA STABILITA` : asta tesa per tutti i casi di carico.						
CASSONE_S003 (3) stato limite ultimo - ASTA (107- 87) 106						
-----						PROGR. 0.
SOLLECITAZIONI :						
Caso		MZ	MY	MT	N	TZ TY
1- 1		0.0	0.0	0.0	-18.9	-38.3 102.5
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty Si
1- 1 si 1			Sx	Si	0.0	0.0 4.2
1- 1 si 13			Tz		0.0	0.0 78.9
1- 1 si 5			Ty		0.0	0.0 89.7
-----						PROGR. 24.
SOLLECITAZIONI :						
Caso		MZ	MY	MT	N	TZ TY
1- 1		2146.1	766.1	0.0	-18.9	-25.5 76.3
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty Si
1- 1 si 2			Sx	Si	0.0	0.0 575.4
1- 1 si 13			Tz		0.0	0.0 302.8
1- 1 si 5			Ty		0.0	0.0 160.5
-----						PROGR. 48.
SOLLECITAZIONI :						
Caso		MZ	MY	MT	N	TZ TY
1- 1		3664.4	1226.0	0.0	-18.9	-12.8 50.2
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty Si
1- 1 si 2			Sx	Si	0.0	0.0 963.4
1- 1 si 13			Tz		0.0	0.0 519.7
1- 1 si 5			Ty		0.0	0.0 240.3
-----						PROGR. 72.
SOLLECITAZIONI :						
Caso		MZ	MY	MT	N	TZ TY
1- 1		4554.9	1379.8	0.0	-18.9	0.0 24.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty Si
1- 1 si 2			Sx	Si	0.0	0.0 1168.2
1- 1 si 13			Tz		0.0	0.0 667.7
1- 1 si 5			Ty		0.0	0.0 267.2
-----						PROGR. 96.
SOLLECITAZIONI :						
Caso		MZ	MY	MT	N	TZ TY
1- 1		4817.7	1227.3	0.0	-18.9	12.7 -2.1
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty Si
1- 1 si 2			Sx	Si	0.0	0.0 1189.9
1- 1 si 7			Tz		0.0	0.0 949.2
1- 1 si 9			Ty		0.0	0.0 566.8
-----						PROGR. 120.
SOLLECITAZIONI :						
Caso		MZ	MY	MT	N	TZ TY
1- 1		4452.7	768.7	0.0	-18.9	25.5 -28.3
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty Si
1- 1 si 2			Sx	Si	0.0	0.0 1028.3
1- 1 si 13			Tz		0.0	0.0 750.1
1- 1 si 9			Ty		0.0	0.0 596.6
-----						PROGR. 144.
SOLLECITAZIONI :						
Caso		MZ	MY	MT	N	TZ TY
1- 1		3460.0	3.9	0.0	-18.9	38.2 -54.4
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty Si
1- 1 si 2			Sx	Si	0.0	0.0 683.6
1- 1 si 13			Tz		0.0	0.0 684.3
1- 1 si 9			Ty		0.0	0.0 582.9
-----						PROGR. 168.
SOLLECITAZIONI :						
Caso		MZ	MY	MT	N	TZ TY
1- 1		1839.4	-1067.1	0.0	-18.9	51.0 -80.6
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty Si
1- 1						

1- 1	si	1	Sx	Si	-574.3	0.0	0.0	574.3
1- 1	si	13	Tz		-542.9	43.4	0.0	548.1
1- 1	si	9	Ty		-520.2	0.0	45.0	526.0
								PROGR. 192.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		-408.9		-2444.3		0.0		-18.9		63.8		-106.8

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi		Sx		Tz		Ty		Si
1- 1	si	4	Sx	Si	-563.9		0.0		0.0		563.9
1- 1	si	13	Tz		-331.6		56.1		0.0		345.5
1- 1	si	9	Ty		-415.5		0.0		58.4		427.6

VERIFICA STABILITA' :

L0 = 192.
 Z | Lc = 192. | Ro = 1.52 | Im = 126.7 | Ncr= 5733.2 | alfa(a)=0.2100 | ki=0.4437 |
 Y | Lc = 192. | Ro = 1.52 | Im = 126.7 | Ncr= 5733.2 | alfa(a)=0.2100 | ki=0.4437 |
 Caso 1- 1 - Nodo 1 - Asse Z
 Ned = -18.9 | Mzeq = 4086.8 | Myeq = -1833.2 | Ss = -1174.5 (0.525)

CASSONE_S003 (3) stato limite ultimo - ASTA (108- 88) 108
PROGR. 0.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		0.0		0.0		0.0		35.4		-38.2		102.1

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi		Sx		Tz		Ty		Si
1- 1	si	4	Sx	Si	8.0		0.0		0.0		8.0
1- 1	si	13	Tz		8.0		-45.3		0.0		78.9
1- 1	si	5	Ty	Si	8.0		0.0		-51.5		89.6

PROGR. 24.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		2136.7		763.6		0.0		35.4		-25.5		76.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi		Sx		Tz		Ty		Si
1- 1	si	4	Sx	Si	576.8		0.0		0.0		576.8
1- 1	si	13	Tz		-283.8		-32.7		0.0		289.4
1- 1	si	5	Ty		157.7		0.0		-38.3		171.2

PROGR. 48.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		3647.6		1222.0		0.0		35.4		-12.7		49.9

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi		Sx		Tz		Ty		Si
1- 1	si	4	Sx	Si	963.1		0.0		0.0		963.1
1- 1	si	13	Tz		-503.7		-20.0		0.0		504.9
1- 1	si	5	Ty		247.7		0.0		-25.2		251.5

PROGR. 72.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		4532.8		1375.2		0.0		35.4		0.0		23.8

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi		Sx		Tz		Ty		Si
1- 1	si	4	Sx	Si	1166.7		0.0		0.0		1166.7
1- 1	si	13	Tz		-651.8		-7.4		0.0		651.9
1- 1	si	5	Ty		277.7		0.0		-12.0		278.5

PROGR. 96.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		4792.3		1223.2		0.0		35.4		12.7		-2.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi		Sx		Tz		Ty		Si
1- 1	si	4	Sx	Si	1187.8		0.0		0.0		1187.8
1- 1	si	7	Tz		-931.9		6.4		0.0		932.0
1- 1	si	9	Ty		-551.0		0.0		4.7		551.1

PROGR. 120.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		4426.0		766.1		0.0		35.4		25.4		-28.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi		Sx		Tz		Ty		Si
1- 1	si	4	Sx	Si	1026.3		0.0		0.0		1026.3
1- 1	si	13	Tz		-732.4		17.9		0.0		733.0
1- 1	si	9	Ty		-579.6		0.0		18.1		580.5

PROGR. 144.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		3433.9		3.7		0.0		35.4		38.1		-54.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi		Sx		Tz		Ty		Si
1- 1	si	4	Sx	Si	682.2		0.0		0.0		682.2
1- 1	si	13	Tz		-664.9		30.6		0.0		667.0
1- 1	si	9	Ty		-563.8		0.0		31.5		566.4
1- 1	si	16	Si		680.9		30.6		0.0		682.9

PROGR. 168.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		1816.1		-1063.9		0.0		35.4		50.8		-80.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi		Sx		Tz		Ty		Si
------	-----	----	---------	--	----	--	----	--	----	--	----

1- 1	si	3	Sx	Si	572.8	0.0	0.0	572.8
1- 1	si	13	Tz		-525.6	43.3	0.0	530.9
1- 1	si	9	Ty		-503.5	0.0	44.9	509.4
								PROGR. 192.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		-427.5		-2436.7		0.0		35.4		63.6		-106.5

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi		Sx		Tz		Ty		Si
1- 1	si	2	Sx	Si	569.7		0.0		0.0		569.7
1- 1	si	13	Tz		-314.4		55.9		0.0		329.0
1- 1	si	9	Ty		-398.7		0.0		58.3		411.2

VERIFICA STABILITA` :

Z | L0 = 192. | Ro = 1.52 | Im = 126.7 | Ncr= 5733.2 | alfa(a)=0.2100 | ki=0.4437 |

Y | Lc = 192. | Ro = 1.52 | Im = 126.7 | Ncr= 5733.2 | alfa(a)=0.2100 | ki=0.4437 |

Caso 5- 4 - Nodo 1 - Asse Z

Ned = -6.7 | Meq = 619.1 | Myeq = -292.3 | Ss = -182.4 (0.081)

CASSONE_S003 (3) stato limite ultimo - ASTA (109- 110) 110

PROGR. 0.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		0.0		0.0		0.0		75.5		-51.0		104.6

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi		Sx		Tz		Ty		Si
1- 1	si	1	Sx	Si	17.0		0.0		0.0		17.0
1- 1	si	13	Tz		17.0		-50.8		0.0		89.6
1- 1	si	9	Ty	Si	17.0		0.0		-53.7		94.6

PROGR. 24.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		2197.2		1071.6		0.0		75.5		-38.3		78.5

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi		Sx		Tz		Ty		Si
1- 1	si	4	Sx	Si	658.1		0.0		0.0		658.1
1- 1	si	13	Tz		-235.3		-38.1		0.0		244.3
1- 1	si	9	Ty		-139.1		0.0		-40.3		155.6

PROGR. 48.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		3766.6		1837.1		0.0		75.5		-25.5		52.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi		Sx		Tz		Ty		Si
1- 1	si	4	Sx	Si	1116.1		0.0		0.0		1116.1
1- 1	si	13	Tz		-415.5		-25.4		0.0		417.8
1- 1	si	9	Ty		-250.6		0.0		-26.9		254.9

PROGR. 72.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		4708.3		2296.4		0.0		75.5		-12.8		26.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi		Sx		Tz		Ty		Si
1- 1	si	4	Sx	Si	1390.8		0.0		0.0		1390.8
1- 1	si	13	Tz		-523.6		-12.7		0.0		524.1
1- 1	si	9	Ty		-317.5		0.0		-13.4		318.4

PROGR. 96.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		5022.2		2449.5		0.0		75.5		0.0		0.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi		Sx		Tz		Ty		Si
1- 1	si	4	Sx	Si	1482.4		0.0		0.0		1482.4
1- 1	si	7	Tz		-968.0		0.0		0.0		968.0
1- 1	si	9	Ty		-339.8		0.0		0.0		339.8

PROGR. 120.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		4708.3		2296.4		0.0		75.5		12.8		-26.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi		Sx		Tz		Ty		Si
1- 1	si	4	Sx	Si	1390.8		0.0		0.0		1390.8
1- 1	si	13	Tz		-523.6		12.7		0.0		524.1
1- 1	si	9	Ty		-317.5		0.0		13.4		318.4

PROGR. 144.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		3766.6		1837.1		0.0		75.5		25.5		-52.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi		Sx		Tz		Ty		Si
1- 1	si	4	Sx	Si	1116.1		0.0		0.0		1116.1
1- 1	si	13	Tz		-415.5		25.4		0.0		417.8
1- 1	si	9	Ty		-250.6		0.0		26.9		254.9

PROGR. 168.

SOLLECITAZIONI :

Caso		MZ		MY		MT		N		TZ		TY
1- 1		2197.2		1071.6		0.0		75.5		38.3		-78.5

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi		Sx		Tz		Ty		Si
1- 1	si	4	Sx	Si	658.1		0.0		0.0		658.1

1- 1 si 13	Tz	-235.3	38.1	0.0	244.3	
1- 1 si 9	Ty	-139.1	0.0	40.3	155.6	
-----						PROGR. 192.
SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	0.0	0.0	75.5	51.0	-104.6
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 2	Sx			17.0	0.0	0.0
1- 1 si 13	Tz			17.0	50.8	0.0
1- 1 si 9	Ty			17.0	0.0	53.7
1- 1 si 12	Si			17.0	0.0	53.7

VERIFICA STABILITA` :						
Z	L0 = 192.	Ro = 1.52	Im = 126.7	Ncr= 5733.2	alfa(a)=0.2100	ki=0.4437
Y	Lc = 192.	Ro = 1.52	Im = 126.7	Ncr= 5733.2	alfa(a)=0.2100	ki=0.4437
Caso 5- 2 - Nod0 2 - Asse Z						
Ned = -33.5 Mzeq = 663.5 Myeq = 323.6 Ss = -211.8 (0.095)						

CASSONE_S003 (3) stato limite ultimo - ASTA (111- 112) 112						
-----						PROGR. 0.
SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	0.0	0.0	-16.1	-51.2	105.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 2	Sx			-3.6	0.0	0.0
1- 1 si 13	Tz			-3.6	-50.9	0.0
1- 1 si 9	Ty			-3.6	0.0	-53.9

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	2204.3	1075.1	0.0	-16.1	-38.4	78.7
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 2	Sx			-646.8	0.0	0.0
1- 1 si 13	Tz			-256.7	-38.2	0.0
1- 1 si 9	Ty			-160.2	0.0	-40.4

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	3778.7	1843.0	0.0	-16.1	-25.6	52.5
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 2	Sx			-1106.2	0.0	0.0
1- 1 si 13	Tz			-437.5	-25.5	0.0
1- 1 si 9	Ty			-272.1	0.0	-26.9

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	4723.4	2303.8	0.0	-16.1	-12.8	26.2
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 2	Sx			-1381.9	0.0	0.0
1- 1 si 13	Tz			-546.0	-12.7	0.0
1- 1 si 9	Ty			-339.2	0.0	-13.5

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	5038.3	2457.4	0.0	-16.1	0.0	0.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 2	Sx			-1473.8	0.0	0.0
1- 1 si 13	Tz			-582.1	0.0	0.0
1- 1 si 9	Ty			-361.6	0.0	0.0

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	4723.4	2303.8	0.0	-16.1	12.8	-26.2
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 2	Sx			-1381.9	0.0	0.0
1- 1 si 13	Tz			-546.0	12.7	0.0
1- 1 si 9	Ty			-339.2	0.0	13.5

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	3778.7	1843.0	0.0	-16.1	25.6	-52.5
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 2	Sx			-1106.2	0.0	0.0
1- 1 si 13	Tz			-437.5	25.5	0.0
1- 1 si 9	Ty			-272.1	0.0	26.9

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	2204.3	1075.1	0.0	-16.1	38.4	-78.7
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 2	Sx			-646.8	0.0	0.0

1- 1	si	13	Tz	-256.7	38.2	0.0	265.1
1- 1	si	9	Ty	-160.2	0.0	40.4	174.9
							192.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	0.0	0.0	-16.1	51.2	-105.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-3.6	0.0	0.0	3.6
1- 1	si	13	Tz	-3.6	50.9	0.0	88.3
1- 1	si	9	TySi	-3.6	0.0	53.9	93.4

VERIFICA STABILITA' :

L0 = 192.
 Z | Lc = 192. | Ro = 1.52 | Im = 126.7 | Ncr = 5733.2 | alfa(a) = 0.2100 | ki = 0.4437 |
 Y | Lc = 192. | Ro = 1.52 | Im = 126.7 | Ncr = 5733.2 | alfa(a) = 0.2100 | ki = 0.4437 |
 Caso 1- 1 - Nodo 2 - Asse Z
 Ned = -16.1 | Mzeq = 4366.6 | Myeq = 2129.7 | Ss = -1285.9 (0.575)

CASSONE_S003 (3) stato limite ultimo - ASTA (113- 103) 114
 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	0.0	0.0	48.4	-51.0	104.6

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	10.9	0.0	0.0	10.9
1- 1	si	13	Tz	10.9	-50.8	0.0	88.6
1- 1	si	9	TySi	10.9	0.0	-53.7	93.7

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	2197.2	1071.6	0.0	48.4	-38.3	78.5

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	652.0	0.0	0.0	652.0
1- 1	si	13	Tz	-241.4	-38.1	0.0	250.2
1- 1	si	9	Ty	-145.2	0.0	-40.3	161.1

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	3766.6	1837.1	0.0	48.4	-25.5	52.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	1110.0	0.0	0.0	1110.0
1- 1	si	13	Tz	-421.6	-25.4	0.0	423.9
1- 1	si	9	Ty	-256.7	0.0	-26.9	260.9

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	4708.3	2296.4	0.0	48.4	-12.8	26.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	1384.7	0.0	0.0	1384.7
1- 1	si	13	Tz	-529.7	-12.7	0.0	530.2
1- 1	si	9	Ty	-323.6	0.0	-13.4	324.5

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	5022.2	2449.5	0.0	48.4	0.0	0.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	1476.3	0.0	0.0	1476.3
1- 1	si	7	Tz	-974.1	0.0	0.0	974.1
1- 1	si	9	Ty	-345.9	0.0	0.0	345.9

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	4708.3	2296.4	0.0	48.4	12.8	-26.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	1384.7	0.0	0.0	1384.7
1- 1	si	13	Tz	-529.7	12.7	0.0	530.2
1- 1	si	9	Ty	-323.6	0.0	13.4	324.5

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	3766.6	1837.1	0.0	48.4	25.5	-52.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	1110.0	0.0	0.0	1110.0
1- 1	si	13	Tz	-421.6	25.4	0.0	423.9
1- 1	si	9	Ty	-256.7	0.0	26.9	260.9

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	2197.2	1071.6	0.0	48.4	38.3	-78.5

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	652.0	0.0	0.0	652.0
1- 1	si	13	Tz	-241.4	38.1	0.0	250.2

1- 1 si 9	Ty	-145.2	0.0	40.3	161.1	192.
----- PROGR.						
SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	0.0	0.0	48.4	51.0	-104.6
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 2	Sx			10.9	0.0	10.9
1- 1 si 13	Tz			10.9	50.8	0.0
1- 1 si 9	Ty			10.9	0.0	53.7
						93.7

VERIFICA STABILITA' :

L0 = 192.
 Z | Lc = 192. | Ro = 1.52 | lm = 126.7 | Ncr= 5733.2 | alfa(a)=0.2100 | ki=0.4437 |
 Y | Lc = 192. | Ro = 1.52 | lm = 126.7 | Ncr= 5733.2 | alfa(a)=0.2100 | ki=0.4437 |
 Caso 5-14 - Nodo 2 - Asse Z
 Ned = -12.4 | Mzeq = 663.5 | Myeq = 323.6 | Ss = -200.3 (0.090)

CASSONE_S003 (3) stato limite ultimo - ASTA (114- 115) 116
----- PROGR. 0.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	0.0	0.0	250.4	-49.9	102.3
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 1	Sx			56.4	0.0	56.4
1- 1 si 13	Tz			56.4	-49.6	0.0
1- 1 si 9	Ty			56.4	0.0	-52.5
						107.0

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	2147.8	1047.6	0.0	250.4	-37.4	76.7
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 4	Sx			683.1	0.0	683.1
1- 1 si 13	Tz			-190.2	-37.2	0.0
1- 1 si 9	Ty			-96.2	0.0	-39.4
						117.9

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	3682.0	1795.8	0.0	250.4	-24.9	51.1
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 4	Sx			1130.8	0.0	1130.8
1- 1 si 13	Tz			-366.4	-24.8	0.0
1- 1 si 9	Ty			-205.2	0.0	-26.2
						210.2

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	4602.5	2244.8	0.0	250.4	-12.5	25.6
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 4	Sx			1399.4	0.0	1399.4
1- 1 si 13	Tz			-472.1	-12.4	0.0
1- 1 si 9	Ty			-270.6	0.0	-13.1
						271.6

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	4909.3	2394.4	0.0	250.4	0.0	0.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 4	Sx			1488.9	0.0	1488.9
1- 1 si 7	Tz			-906.5	0.0	0.0
1- 1 si 9	Ty			-292.4	0.0	0.0
						292.4

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	4602.5	2244.8	0.0	250.4	12.5	-25.6
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 4	Sx			1399.4	0.0	1399.4
1- 1 si 13	Tz			-472.1	12.4	0.0
1- 1 si 9	Ty			-270.6	0.0	13.1
						271.6

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	3682.0	1795.8	0.0	250.4	24.9	-51.1
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 4	Sx			1130.8	0.0	1130.8
1- 1 si 13	Tz			-366.4	24.8	0.0
1- 1 si 9	Ty			-205.2	0.0	26.2
						210.2

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	2147.8	1047.6	0.0	250.4	37.4	-76.7
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1 si 4	Sx			683.1	0.0	683.1
1- 1 si 13	Tz			-190.2	37.2	0.0
1- 1 si 9	Ty			-96.2	0.0	39.4
						117.9

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	18.6	0.0	0.0	18.6
1- 1	si	13	Tz	7.3	4.1	0.0	10.2
1- 1	si	9	Ty	4.5	0.0	4.4	8.8

VERIFICA STABILITA` :

Z | L0 = 15. | Ro = 1.52 | lm = 9.9 | Ncr= 939328.4 | alfa(a)=0.2100 | ki=1.0000 |
Y | Lc = 15. | Ro = 1.52 | lm = 9.9 | Ncr= 939328.4 | alfa(a)=0.2100 | ki=1.0000 |
Caso 5- 8 - Nodo 4 - Asse Z
Ned = 0.0 | Mzeq = -8.3 | Myeq = -4.1 | Ss = -2.4 (0.001)

CASSONE_S003 (3) stato limite ultimo - ASTA (127- 128) 119
----- PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-63.6	-31.0	0.0	34.1	-16.8	34.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	2	Sx	26.2	0.0	0.0	26.2
1- 1	si	13	Tz	15.0	-16.7	0.0	32.6
1- 1	si	9	Ty	12.2	0.0	-17.7	33.0
1- 1	si	6	Si	13.8	0.0	-17.4	33.1

----- PROGR. 15.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	389.5	190.0	0.0	34.1	-12.7	26.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	121.3	0.0	0.0	121.3
1- 1	si	13	Tz	-37.1	-12.6	0.0	43.0
1- 1	si	9	Ty	-20.0	0.0	-13.3	30.5

----- PROGR. 30.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	715.5	349.0	0.0	34.1	-8.5	17.5

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	216.4	0.0	0.0	216.4
1- 1	si	13	Tz	-74.5	-8.5	0.0	75.9
1- 1	si	9	Ty	-43.2	0.0	-9.0	45.9

----- PROGR. 45.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	914.2	445.9	0.0	34.1	-4.4	9.0

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	274.4	0.0	0.0	274.4
1- 1	si	13	Tz	-97.3	-4.4	0.0	97.6
1- 1	si	9	Ty	-57.3	0.0	-4.6	57.8

----- PROGR. 60.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	985.7	480.8	0.0	34.1	-0.3	0.5

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	295.3	0.0	0.0	295.3
1- 1	si	13	Tz	-105.5	-0.3	0.0	105.5
1- 1	si	9	Ty	-62.4	0.0	-0.3	62.4

----- PROGR. 75.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	930.1	453.6	0.0	34.1	3.9	-7.9

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	279.1	0.0	0.0	279.1
1- 1	si	13	Tz	-99.1	3.9	0.0	99.3
1- 1	si	9	Ty	-58.4	0.0	4.1	58.8

----- PROGR. 90.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	747.3	364.5	0.0	34.1	8.0	-16.4

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	225.7	0.0	0.0	225.7
1- 1	si	13	Tz	-78.1	8.0	0.0	79.3
1- 1	si	9	Ty	-45.4	0.0	8.4	47.7

----- PROGR. 105.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	437.2	213.2	0.0	34.1	12.1	-24.9

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	135.3	0.0	0.0	135.3
1- 1	si	13	Tz	-42.5	12.1	0.0	47.4
1- 1	si	9	Ty	-23.4	0.0	12.8	32.2

----- PROGR. 120.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	0.0	0.0	34.1	16.3	-33.4

TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	7.7	0.0	0.0	7.7		
1- 1	si	13	Tz	7.7	16.2	0.0	29.1		
1- 1	si	9	TySi	7.7	0.0	17.1	30.7		

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

CASSONE_S003 (3) stato limite ultimo - ASTA (128- 129) 120
PROGR. 0.

SOLLECITAZIONI :									
Caso	Vel	No	MZ	MY	MT	N	TZ	TY	
1- 1	si	1	0.0	0.0	0.0	-90.1	-26.3	53.9	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	-20.3	0.0	0.0	20.3		
1- 1	si	13	Tz	-20.3	-26.2	0.0	49.6		
1- 1	si	9	TySi	-20.3	0.0	-27.7	52.0		
PROGR.									24.

SOLLECITAZIONI :									
Caso	Vel	No	MZ	MY	MT	N	TZ	TY	
1- 1	si	2	1130.6	551.4	0.0	-90.1	-19.7	40.3	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	-350.2	0.0	0.0	350.2		
1- 1	si	13	Tz	-150.1	-19.6	0.0	153.9		
1- 1	si	9	Ty	-100.6	0.0	-20.7	106.8		
PROGR.									48.

SOLLECITAZIONI :									
Caso	Vel	No	MZ	MY	MT	N	TZ	TY	
1- 1	si	2	1935.6	944.1	0.0	-90.1	-13.1	26.8	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	-585.1	0.0	0.0	585.1		
1- 1	si	13	Tz	-242.5	-13.0	0.0	243.6		
1- 1	si	9	Ty	-157.8	0.0	-13.7	159.6		
PROGR.									72.

SOLLECITAZIONI :									
Caso	Vel	No	MZ	MY	MT	N	TZ	TY	
1- 1	si	2	2415.0	1177.9	0.0	-90.1	-6.4	13.2	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	-725.0	0.0	0.0	725.0		
1- 1	si	13	Tz	-297.6	-6.4	0.0	297.8		
1- 1	si	9	Ty	-191.9	0.0	-6.8	192.2		
PROGR.									96.

SOLLECITAZIONI :									
Caso	Vel	No	MZ	MY	MT	N	TZ	TY	
1- 1	si	2	2568.7	1252.9	0.0	-90.1	0.2	-0.4	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	-769.8	0.0	0.0	769.8		
1- 1	si	13	Tz	-315.2	0.2	0.0	315.2		
1- 1	si	9	Ty	-202.8	0.0	0.2	202.8		
PROGR.									120.

SOLLECITAZIONI :									
Caso	Vel	No	MZ	MY	MT	N	TZ	TY	
1- 1	si	2	2396.9	1169.0	0.0	-90.1	6.8	-13.9	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	-719.7	0.0	0.0	719.7		
1- 1	si	13	Tz	-295.5	6.8	0.0	295.7		
1- 1	si	9	Ty	-190.6	0.0	7.2	191.0		
PROGR.									144.

SOLLECITAZIONI :									
Caso	Vel	No	MZ	MY	MT	N	TZ	TY	
1- 1	si	2	1899.4	926.4	0.0	-90.1	13.4	-27.5	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	-574.5	0.0	0.0	574.5		
1- 1	si	13	Tz	-238.4	13.4	0.0	239.5		
1- 1	si	9	Ty	-155.3	0.0	14.1	157.2		
PROGR.									168.

SOLLECITAZIONI :									
Caso	Vel	No	MZ	MY	MT	N	TZ	TY	
1- 1	si	2	1076.3	525.0	0.0	-90.1	20.0	-41.1	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	-334.4	0.0	0.0	334.4		
1- 1	si	13	Tz	-143.9	19.9	0.0	148.0		
1- 1	si	9	Ty	-96.8	0.0	21.1	103.4		
PROGR.									192.

SOLLECITAZIONI :									
Caso	Vel	No	MZ	MY	MT	N	TZ	TY	
1- 1	si	4	-72.4	-35.3	0.0	-90.1	26.7	-54.6	
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx	-41.4	0.0	0.0	41.4		
1- 1	si	13	Tz	-12.0	26.5	0.0	47.5		
1- 1	si	9	Ty	-15.2	0.0	28.0	50.9		
1- 1	si	5	Si	-27.2	0.0	27.6	55.0		

VERIFICA STABILITA' :

$L_0 = 192.$
 $Z \quad | \quad L_c = 192. \quad | \quad R_o = 1.52 \quad | \quad l_m = 126.7 \quad | \quad N_{cr} = 5733.2 \quad | \quad \alpha(a) = 0.2100 \quad | \quad k_i = 0.4437 \quad |$
 $Y \quad | \quad L_c = 192. \quad | \quad R_o = 1.52 \quad | \quad l_m = 126.7 \quad | \quad N_{cr} = 5733.2 \quad | \quad \alpha(a) = 0.2100 \quad | \quad k_i = 0.4437 \quad |$
 Caso 1- 1 - Nodo 2 - Asse Z
 $N_{ed} = -90.1 \quad | \quad M_{zeq} = 2210.6 \quad | \quad M_{yeq} = 1078.2 \quad | \quad S_s = -701.1 \quad (\quad 0.313)$

CASSONE_S003 (3) stato limite ultimo - ASTA (129- 131) 121
PROGR. 0.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-72.4	-35.3	0.0	0.0	-4.4	9.0

 TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-21.1	0.0	0.0	21.1
1- 1	si	13	Tz	8.3	-4.4	0.0	11.3
1- 1	si	9	Ty	5.1	0.0	-4.6	9.5

 PROGR. 2.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-55.4	-27.0	0.0	0.0	-3.9	7.9

 TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-16.2	0.0	0.0	16.2
1- 1	si	13	Tz	6.4	-3.8	0.0	9.2
1- 1	si	9	Ty	3.9	0.0	-4.1	8.1

 PROGR. 4.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-40.7	-19.9	0.0	0.0	-3.3	6.8

 TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-11.9	0.0	0.0	11.9
1- 1	si	13	Tz	4.7	-3.3	0.0	7.4
1- 1	si	9	Ty	2.9	0.0	-3.5	6.7

 PROGR. 6.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-28.3	-13.8	0.0	0.0	-2.8	5.7

 TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-8.2	0.0	0.0	8.2
1- 1	si	13	Tz	3.2	-2.7	0.0	5.8
1- 1	si	9	Ty	2.0	0.0	-2.9	5.4

 PROGR. 8.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-18.1	-8.8	0.0	0.0	-2.2	4.5

 TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-5.3	0.0	0.0	5.3
1- 1	si	13	Tz	2.1	-2.2	0.0	4.3
1- 1	si	9	Ty	1.3	0.0	-2.3	4.2

 PROGR. 10.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-10.2	-5.0	0.0	0.0	-1.7	3.4

 TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-3.0	0.0	0.0	3.0
1- 1	si	13	Tz	1.2	-1.6	0.0	3.1
1- 1	si	9	Ty	0.7	0.0	-1.7	3.1
1- 1	si	5	Si	-1.0	0.0	-1.7	3.1

 PROGR. 12.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-4.5	-2.2	0.0	0.0	-1.1	2.3

 TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-1.3	0.0	0.0	1.3
1- 1	si	13	Tz	0.5	-1.1	0.0	2.0
1- 1	si	9	Ty	0.3	0.0	-1.2	2.0
1- 1	si	12	Si	-0.3	0.0	-1.2	2.0

 PROGR. 14.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-1.1	-0.6	0.0	0.0	-0.6	1.1

 TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-0.3	0.0	0.0	0.3
1- 1	si	13	Tz	0.1	-0.5	0.0	1.0
1- 1	si	9	Ty	0.1	0.0	-0.6	1.0
1- 1	si	12	Si	-0.1	0.0	-0.6	1.0

 PROGR. 16.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
5-12	0.0	0.0	0.0	0.0	0.0	0.0
4- 7	0.0	0.0	0.0	0.0	0.0	0.0

 TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
5-12	si	1	Sx	0.0	0.0	0.0	0.0

	4-	7 si 14	Tz	Si	0.0	0.0	0.0	0.0
	4-	7 si 10	Ty		0.0	0.0	0.0	0.0

VERIFICA STABILITA` :

Z		LC =	16.		Ro =	1.52	lm =	10.6	Ncr=	825581.6	alfa(a)=	0.2100	ki=	1.0000
Y		LC =	16.		Ro =	1.52	lm =	10.6	Ncr=	825581.6	alfa(a)=	0.2100	ki=	1.0000
Caso 5-	1 -	Nodo	4 -	Asse	Z									
Ned =		0.0	Mzeq =		-9.4	Myeq =		-4.7	Ss =		-2.8	(	0.001)	

10. VERIFICA CONTROVENTI

VERIFICA ELEMENTI IN ACCIAIO
 lavoro : NOLEP7
 data : 2020_12_14_11_02

Unità di misura:
 Lunghezze: cm
 Prop.Sez.: cm
 Forze: daN
 Momenti: daNcm
 Tensioni: daN/cm2

MATERIALI
 S235 (EN 10025-2): Mod.EI.= 2100000.0; gM = 1.050;
 fyk = 2350.0(2150.0 per sp>40 mm); fyd = 2238.1(2047.6 per sp>40 mm).

CASI DI CARICO				
N	Descrizione		So11.	
1	SLU SENZA SISMA		1	
4	SLU con SISMAX PRINC		16	
5	SLU con SISMAX PRINC		16	

CARATTERISTICHE GEOMETRICHE

SEZIONE_a_L_S005 (5) :
 A = 2.3100E+00 Jz= 3.5818E+00 Jy= 3.5818E+00 Jt= 67.5220E-03
 base= 4. ; alt= 4. ; spsup= 0. ; spinf= 0.

SEZIONE_a_L_S005 (5) stato limite ultimo - ASTA (95- 113) 163
 ----- PROGR. 0.

SOLLECITAZIONI :									
Caso		MZ		MY		MT		N	
1- 1		0.0		0.0		0.0		-96.0	
1- 1		0.00							
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi		Sx		Tz		Ty
1- 1	si	1	Sx	Si	-41.5		0.0		0.0
1- 1	si	7	Tz		-41.5		1.0		0.0
1- 1	si	8	Ty		-41.5		0.0		-1.9

----- PROGR. 20.

SOLLECITAZIONI :									
Caso		MZ		MY		MT		N	
1- 1		30.3		0.0		0.0		-96.1	
1- 1		0.00							
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi		Sx		Tz		Ty
1- 1	si	1	Sx	Si	-66.0		0.0		0.0
1- 1	si	7	Tz		-32.2		0.7		0.0
1- 1	si	8	Ty		-41.6		0.0		-1.4

----- PROGR. 39.

SOLLECITAZIONI :									
Caso		MZ		MY		MT		N	
1- 1		51.9		0.0		0.0		-96.2	
1- 1		0.00							
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi		Sx		Tz		Ty
1- 1	si	1	Sx	Si	-83.5		0.0		0.0
1- 1	si	7	Tz		-25.6		0.5		0.0
1- 1	si	8	Ty		-41.7		0.0		-1.0

----- PROGR. 59.

SOLLECITAZIONI :									
Caso		MZ		MY		MT		N	
1- 1		64.9		0.0		0.0		-96.4	
1- 1		0.00							
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi		Sx		Tz		Ty
1- 1	si	1	Sx	Si	-94.0		0.0		0.0
1- 1	si	7	Tz		-21.6		0.2		0.0
1- 1	si	8	Ty		-41.7		0.0		-0.5

----- PROGR. 78.

SOLLECITAZIONI :									
Caso		MZ		MY		MT		N	
1- 1		69.2		0.0		0.0		-96.5	
1- 1		0.00							
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi		Sx		Tz		Ty
1- 1	si	1	Sx	Si	-97.6		0.0		0.0
1- 1	si	7	Tz						
1- 1	si	8	Ty						

----- PROGR. 98.

SOLLECITAZIONI :									
Caso		MZ		MY		MT		N	
1- 1		64.9		0.0		0.0		-96.6	
1- 1		0.00							
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi		Sx		Tz		Ty
1- 1	si	1	Sx	Si	-94.1		0.0		0.0
1- 1	si	7	Tz		-21.7		-0.2		0.0
1- 1	si	8	Ty		-41.8		0.0		0.5

----- PROGR. 117.

SOLLECITAZIONI :									
Caso		MZ		MY		MT		N	
1- 1		51.9		0.0		0.0		-96.8	
1- 1		0.00							
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi		Sx		Tz		Ty
1- 1	si	1	Sx	Si	-83.7		0.0		0.0
1- 1	si	7	Tz		-25.8		-0.5		0.0
1- 1	si	8	Ty		-41.9		0.0		1.0

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----- PROGR. 137.
SOLLECITAZIONI :
Caso 1- 1 MZ 30.3 MY 0.0 MT 0.0 N -96.9 TZ 0.0 TY -1.3
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 1 Sx Si -66.4 0.0 0.0 66.4
1- 1 si 7 Tz Si -32.6 -0.7 0.0 32.6
1- 1 si 8 Ty Si -41.9 0.0 1.4 42.0
----- PROGR. 156.
SOLLECITAZIONI :
Caso 1- 1 MZ 0.0 MY 0.0 MT 0.0 N -97.0 TZ 0.0 TY -1.8
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 1 Sx Si -42.0 0.0 0.0 42.0
1- 1 si 7 Tz Si -42.0 -1.0 0.0 42.0
1- 1 si 8 Ty Si -42.0 0.0 1.9 42.1
-----
VERIFICA STABILITA' :
Verifica condotta sulle direzioni principali - Angolo: 45.00°
Z L0 = 156. Ro = 1.57 | m = 99.4 | Ncr= 4841.5 | alfa(b )=0.3400 | ki=0.5602 |
Y Lc = 156. Ro = 0.79 | m = 197.5 | Ncr= 1226.9 | alfa(b )=0.3400 | ki=0.1914 |
Caso 1- 1 - Nodo 5 - Asse Y
Ned = -97.0 | Mzeq = 42.4 | Myeq = -42.4 | Ss = -269.4 ( 0.120)
SEZIONE_a_L_S005 ( 5) stato limite ultimo - ASTA ( 93- 109) 164
----- PROGR. 0.
SOLLECITAZIONI :
Caso 1- 1 MZ 0.0 MY 0.0 MT 0.0 N 106.7 TZ 0.0 TY 1.8
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 1 Sx Si 46.2 0.0 0.0 46.2
1- 1 si 7 Tz Si 46.2 1.0 0.0 46.2
1- 1 si 8 Ty Si 46.2 0.0 -1.9 46.3
----- PROGR. 20.
SOLLECITAZIONI :
Caso 1- 1 MZ 30.3 MY 0.0 MT 0.0 N 106.8 TZ 0.0 TY 1.3
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 4 Sx Si 55.6 0.0 0.0 55.6
1- 1 si 7 Tz Si 55.6 0.7 0.0 55.6
1- 1 si 8 Ty Si 46.2 0.0 -1.4 46.3
----- PROGR. 39.
SOLLECITAZIONI :
Caso 1- 1 MZ 51.9 MY 0.0 MT 0.0 N 107.0 TZ 0.0 TY 0.9
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 4 Sx Si 62.4 0.0 0.0 62.4
1- 1 si 7 Tz Si 62.4 0.5 0.0 62.4
1- 1 si 8 Ty Si 46.3 0.0 -1.0 46.3
----- PROGR. 59.
SOLLECITAZIONI :
Caso 1- 1 MZ 64.9 MY 0.0 MT 0.0 N 107.1 TZ 0.0 TY 0.4
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 4 Sx Si 66.5 0.0 0.0 66.5
1- 1 si 7 Tz Si 66.5 0.2 0.0 66.5
1- 1 si 8 Ty Si 46.4 0.0 -0.5 46.4
----- PROGR. 78.
SOLLECITAZIONI :
Caso 1- 1 MZ 69.2 MY 0.0 MT 0.0 N 107.2 TZ 0.0 TY 0.0
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 4 Sx Si 67.9 0.0 0.0 67.9
----- PROGR. 98.
SOLLECITAZIONI :
Caso 1- 1 MZ 64.9 MY 0.0 MT 0.0 N 107.3 TZ 0.0 TY -0.4
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 4 Sx Si 66.6 0.0 0.0 66.6
1- 1 si 7 Tz Si 66.6 -0.2 0.0 66.6
1- 1 si 8 Ty Si 46.5 0.0 0.5 46.5
----- PROGR. 117.
SOLLECITAZIONI :
Caso 1- 1 MZ 51.9 MY 0.0 MT 0.0 N 107.5 TZ 0.0 TY -0.9
TENSIONI (Sz= 0.00) :
Caso Vel No massimi Sx Tz Ty Si
1- 1 si 4 Sx Si 62.6 0.0 0.0 62.6
1- 1 si 7 Tz Si 62.6 -0.5 0.0 62.6
1- 1 si 8 Ty Si 46.5 0.0 1.0 46.6
----- PROGR. 137.
SOLLECITAZIONI :

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Caso	MZ	MY	MT	N	TZ	TY
1- 1	30.3	0.0	0.0	107.6	0.0	-1.3
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	4	Sx	56.0	0.0	0.0
1- 1	si	7	Tz	56.0	-0.7	0.0
1- 1	si	8	Ty	46.6	0.0	1.4
PROGR.						156.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	0.0	0.0	107.7	0.0	-1.8
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	1	Sx	46.6	0.0	0.0
1- 1	si	7	Tz	46.6	-1.0	0.0
1- 1	si	8	Ty	46.6	0.0	1.9
PROGR.						156.

VERIFICA STABILITA' :

Verifica condotta sulle direzioni principali - Angolo: 45.00°

Z	L0 = 156.	Ro = 1.57	Im = 99.4	Ncr= 4841.5	alfa(b)=0.3400	ki=0.5602
Y	Lc = 156.	Ro = 0.79	Im = 197.5	Ncr= 1226.9	alfa(b)=0.3400	ki=0.1914
Caso 5- 8 - Nodo 3 - Asse Y						
Ned =	-0.3	Mzeq =	32.6	Myeq =	-32.6	Ss = 47.3 (0.021)

SEZIONE_a_L_S005 (5) stato limite ultimo - ASTA (109- 103) 166
PROGR. 0.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
5-14	0.0	0.0	0.0	-34.5	0.0	1.9
1- 1	0.0	0.0	0.0	-1.6	0.0	2.5
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
5-14	si	1	Sx	-15.0	0.0	0.0
1- 1	si	7	Tz	-0.7	1.4	0.0
1- 1	si	8	Ty	-0.7	0.0	-2.7
5-14	si	8	Si	-15.0	0.0	-2.1
PROGR.						27.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
5-14	45.6	0.0	0.0	-34.6	0.0	1.4
1- 1	59.2	0.0	0.0	-1.7	0.0	1.9
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
5-14	si	1	Sx	-51.8	0.0	0.0
1- 1	si	7	Tz	17.6	1.0	0.0
1- 1	si	8	Ty	-0.7	0.0	-2.0
PROGR.						54.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	101.6	0.0	0.0	-1.9	0.0	1.2
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	-82.7	0.0	0.0
1- 1	si	7	Tz	30.7	0.7	0.0
1- 1	si	8	Ty	-0.8	0.0	-1.4
PROGR.						81.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	126.9	0.0	0.0	-2.0	0.0	0.6
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	1	Sx	-103.3	0.0	0.0
1- 1	si	7	Tz	38.5	0.3	0.0
1- 1	si	8	Ty	-0.9	0.0	-0.7
PROGR.						108.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	135.4	0.0	0.0	-2.1	0.0	0.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	-110.1	0.0	0.0
1- 1	si	7	Tz	41.1	0.0	0.0
1- 1	si	8	Ty	-0.9	0.0	0.0
PROGR.						135.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	126.9	0.0	0.0	-2.3	0.0	-0.6
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	-103.4	0.0	0.0
1- 1	si	7	Tz	38.4	-0.3	0.0
1- 1	si	8	Ty	-1.0	0.0	0.7
PROGR.						162.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	101.6	0.0	0.0	-2.4	0.0	-1.2
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	2	Sx	-82.9	0.0	0.0
1- 1	si	7	Tz	30.5	-0.7	0.0

1- 1 si 8	Ty	-1.0	0.0	1.4	2.6	190.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
5-14	45.6	0.0	0.0	-35.2	0.0	-1.4
1- 1	59.2	0.0	0.0	-2.5	0.0	-1.9
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
5-14	si	2	Sx	Si	-52.0	0.0
1- 1	si	7	Tz	Si	17.3	0.0
1- 1	si	8	Ty	Si	-1.1	0.0

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
5-14	0.0	0.0	0.0	-35.3	0.0	-1.9
1- 1	0.0	0.0	0.0	-2.6	0.0	-2.5
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
5-14	si	4	Sx	Si	-15.3	0.0
1- 1	si	7	Tz	Si	-1.1	0.0
1- 1	si	8	Ty	Si	-1.1	0.0
5-14	si	8	Si	Si	-15.3	0.0

VERIFICA STABILITA` :						
Verifica condotta sulle direzioni principali - Angolo: 45.00°						
Z	L0 = 217.	Ro = 1.57	Im = 137.7	Ncr= 2524.1	alfa(b)=0.3400	ki=0.3548
Y	Lc = 217.	Ro = 0.79	Im = 273.6	Ncr= 639.6	alfa(b)=0.3400	ki=0.1051
Caso 5-14 - Nodo 5 - Asse Y						
Ned = -35.3 Mzeq = 63.8 Myeq = -63.8 Ss = -218.9 (0.098)						
ATTENZIONE : la snellezza supera il limite di 250.0						
SEZIONE_a_L_S005 (5) stato limite ultimo - ASTA (113- 110) 167						

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
5-16	0.0	0.0	0.0	55.1	0.0	1.9
1- 1	0.0	0.0	0.0	43.5	0.0	2.5
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
5-16	si	1	Sx	Si	23.9	0.0
1- 1	si	7	Tz	Si	18.8	0.0
1- 1	si	8	Ty	Si	18.8	0.0
5-16	si	8	Si	Si	23.9	0.0

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
5- 1	45.6	0.0	0.0	-32.8	0.0	1.4
1- 1	59.2	0.0	0.0	43.7	0.0	1.9
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
5- 1	si	1	Sx	Si	-50.9	0.0
1- 1	si	7	Tz	Si	37.3	0.0
1- 1	si	8	Ty	Si	18.9	0.0

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
5- 1	78.1	0.0	0.0	-32.7	0.0	1.0
1- 1	101.6	0.0	0.0	43.8	0.0	1.2
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
5- 1	si	1	Sx	Si	-77.2	0.0
1- 1	si	7	Tz	Si	50.5	0.0
1- 1	si	8	Ty	Si	19.0	0.0

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
5- 1	97.7	0.0	0.0	-32.6	0.0	0.5
1- 1	126.9	0.0	0.0	43.9	0.0	0.6
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
5- 1	si	1	Sx	Si	-92.9	0.0
1- 1	si	7	Tz	Si	58.4	0.0
1- 1	si	8	Ty	Si	19.0	0.0

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
5- 1	104.2	0.0	0.0	-32.5	0.0	0.0
1- 1	135.4	0.0	0.0	44.0	0.0	0.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
5- 1	si	1	Sx	Si	-98.1	0.0
1- 1	si	7	Tz	Si	61.1	0.0
1- 1	si	8	Ty	Si	19.1	0.0

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
5- 1	97.7	0.0	0.0	-32.4	0.0	-0.5
1- 1	126.9	0.0	0.0	44.2	0.0	-0.6
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
5- 1	si	1	Sx	Si	-98.1	0.0
1- 1	si	7	Tz	Si	61.1	0.0
1- 1	si	8	Ty	Si	19.1	0.0

5- 1	si	1	Sx	Si	-92.8	0.0	0.0	92.8
1- 1	si	7	Tz		58.5	-0.3	0.0	58.5
1- 1	si	8	Ty		19.1	0.0	0.7	19.2

PROGR. 162.

SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
5- 1		78.1	0.0	0.0	-32.3	0.0	-1.0
1- 1		101.6	0.0	0.0	44.3	0.0	-1.2

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
5- 1	si	1	Sx	Si	-77.0	0.0	77.0
1- 1	si	7	Tz		50.7	-0.7	50.7
1- 1	si	8	Ty		19.2	0.0	1.4

PROGR. 190.

SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
5- 1		45.6	0.0	0.0	-32.2	0.0	-1.4
1- 1		59.2	0.0	0.0	44.4	0.0	-1.9

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
5- 1	si	1	Sx	Si	-50.7	0.0	50.7
1- 1	si	7	Tz		37.6	-1.0	37.7
1- 1	si	8	Ty		19.2	0.0	2.0

PROGR. 217.

SOLLECITAZIONI :

Caso		MZ	MY	MT	N	TZ	TY
5-16		0.0	0.0	0.0	55.9	0.0	-1.9
1- 1		0.0	0.0	0.0	44.6	0.0	-2.5

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
5-16	si	2	Sx		24.2	0.0	24.2
1- 1	si	7	Tz		19.3	-1.4	0.0
1- 1	si	8	Ty		19.3	0.0	2.7
5-16	si	8	Si		24.2	0.0	2.1

VERIFICA STABILITA' :

Verifica condotta sulle direzioni principali - Angolo: 45.00°

Z	LC = 217.	Ro = 1.57	Im = 137.7	Ncr= 2524.1	alfa(b)=0.3400	ki=0.3548
Y	LC = 217.	Ro = 0.79	Im = 273.6	Ncr= 639.6	alfa(b)=0.3400	ki=0.1051
Caso 5- 1	- Nodo 5 - Asse Y					
Ned =	-32.9	Mzeq =	63.8	Myeq =	-63.8	Ss = -208.4 (0.093)

11. VERIFICA PILASTRI

VERIFICA ELEMENTI IN ACCIAIO
 lavoro : NOLEP7
 data : 2020_12_14_10_32

Unità di misura:
 Lunghezze: cm
 Prop.Sez.: cm
 Forze: daN
 Momenti: daNcm
 Tensioni: daN/cm²

MATERIALI
 S235 (EN 10025-2): Mod.El.= 2100000.0; gM = 1.050;
 fyk = 2350.0(2150.0 per sp>40 mm); fyd = 2238.1(2047.6 per sp>40 mm).

CASI DI CARICO			So1l.
N	Descrizione		1
1	SLU SENZA SISMA		16
4	SLU con SISMAX PRINC		16
5	SLU con SISMAY PRINC		16

CARATTERISTICHE GEOMETRICHE

CASSONE_S001 (1) :
 A = 17.0000E+00 Jz=205.4167E+00 Jy=205.4167E+00 Jt=307.0625E+00
 base= 9. ; alt= 9. ; spsup= 0. ; spsx= 0. ; spdx= 0. ; spinf= 0.

CASSONE_S001 (1) stato limite ultimo - ASTA (1- 2) 1
 PROGR. 0.

SOLLECITAZIONI :										PROGR. :		39.	
Caso	MZ			MY		MT		N		TZ		TY	
1- 1	1590.2			12230.3		1604.4		-1805.8		93.7		-6.9	
TENSIONI (Sz= 0.00) :													
Caso	Vel	No	massimi		Sx		Tz		Ty		Si		
1- 1	si	2	Sx		-409.0		0.0		22.2		410.8		
1- 1	si	7	Tz		-141.1		34.6		0.0		153.2		
1- 1	si	9	Ty		130.7		0.0		30.6		141.1		
-----										PROGR.		39.	

SOLLECITAZIONI :										PROGR.	55.
Caso	MZ	MY	MT	N	TZ	TY					
1- 1	1321.7	8600.2	1604.4	-1799.1	93.7	-6.9					
TENSIONI (Sz= 0.00) :											
Caso	Vel	No	massimi	Sx	Tz	Ty	Si				
1- 1	si	2	Sx	-323.2	0.0	22.2	325.5				
1- 1	si	7	Tz	-134.8	34.6	0.0	147.5				
1- 1	si	9	Ty	56.8	0.0	30.6	77.7				
-----										PROGR.	78.

SOLLECITAZIONI :										PROGR.	78.
Caso	MZ		MY		MT		N		TZ	TY	
1- 1	1053.1		4970.1		1604.4		-1792.4		93.7	-6.9	
TENSIONI (Sz= 0.00) :											
Caso	Vel	No	massimi		Sx		Tz		Ty	Si	
1- 1	si	2	Sx		Si		-237.4		0.0	22.2	
1- 1	si	7	Tz		-128.5		34.6		0.0	141.8	
1- 1	si	9	Ty		-17.1		0.0		30.6	55.7	
-----										PROGR.	116.

SOLLECITAZIONI :										PROGR. 110.										
Caso			MZ			MY			MT			N			TZ			TY		
1- 1			784.6			1340.1			1604.4			-1785.6			93.7			-6.9		
TENSIONI (Sz= 0.00) :																				
Caso	Vel	No	massimi		Sx			Tz			Ty			Si						
1- 1	si	2	Sx		-151.6			0.0			22.2			156.4						
1- 1	si	7	Tz		-122.2			34.6			0.0			136.1						
1- 1	si	9	Ty		-91.0			0.0			30.6			105.3						
1- 1	si	10	Si		-149.7			0.0			-29.3			158.0						
-----														PROGR.		155.				

SOLLECITAZIONI :										PROGR. 193.		
Caso	MZ		MY		MT		N		TZ		TY	
1- 1	516.0		-2290.0		1604.4		-1778.9		93.7		-6.9	
TENSIONI (Sz= 0.00) :												
Caso	Vel	No	massimi		Sx		Tz		Ty		Si	
1- 1	si	1	Sx		-166.1		0.0		22.2		170.5	
1- 1	si	7	Tz		-115.9		34.6		0.0		130.5	
1- 1	si	9	TySi		-164.9		0.0		30.6		173.2	
-----										PROGR. 194.		

SOLLECITAZIONI :										PROGR. 194.	
Caso	MZ	MY	MT	N	TZ	TY					
1- 1	247.4	-5920.1	1604.4	-1772.2	93.7	-6.9					
TENSIONI (Sz= 0.00) :											
Caso	Vel	No	massimi	Sx	Tz	Ty	Si				
1- 1	si	1	Sx	-239.4	0.0	22.2	242.4				
1- 1	si	7	Tz	-109.7	34.6	0.0	125.0				
1- 1	si	9	TySi	-238.8	0.0	30.6	244.6				
							PROGR. 232.				

SOLLECITAZIONI					:			PRODOTTO	ESISTENTE
Caso	MZ	MY	MT	N		TZ		TY	
1- 1	-21.1	-9550.2	1604.4	-1765.5		93.7		-6.9	
TENSIONI (Sz=					0.00)	:			

Caso	Vel	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	-313.5	0.0	22.2	315.9	
1- 1	si	7	Tz	-103.4	34.6	0.0	119.5	
1- 1	si	9	Ty	-312.7	0.0	30.6	317.1	
1- 1	si	11	Si	-313.5	0.0	-29.3	317.6	
-----								PROGR. 271.
SOLLECITAZIONI :								
Caso		MZ		MY	MT	N	TZ	TY
1- 1		-289.7		-13180.3	1604.4	-1758.8	93.7	-6.9
TENSIONI (Sz= 0.00) :								
Caso	Vel	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	-398.5	0.0	22.2	400.4	
1- 1	si	7	Tz	-97.1	34.6	0.0	114.1	
1- 1	si	9	Ty	-386.6	0.0	30.6	390.2	
1- 1	si	11	Si	-397.8	0.0	-29.3	401.1	
-----								PROGR. 310.
SOLLECITAZIONI :								
Caso		MZ		MY	MT	N	TZ	TY
1- 1		-558.3		-16810.4	1604.4	-1752.0	93.7	-6.9
TENSIONI (Sz= 0.00) :								
Caso	Vel	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	-483.5	0.0	22.2	485.1	
1- 1	si	7	Tz	-90.8	34.6	0.0	108.8	
1- 1	si	9	Ty	-460.4	0.0	30.6	463.5	

VERIFICA STABILITA` :								
Z L0 = 310. Ro = 3.48 lm = 89.2 Ncr= 44302.8 alfa(a)=0.2100 ki=0.7006								
Y Lc = 310. Ro = 3.48 lm = 89.2 Ncr= 44302.8 alfa(a)=0.2100 ki=0.7006								
Caso 1- 1 - Nodo 1 - Asse Z								
Ned = -1805.8 Mzeq = 730.8 Myeq = -6724.1 Ss = -321.9 (0.144)								
CASSONE_S001 (1) stato limite ultimo - ASTA (3- 4) 2								
-----								PROGR. 0.
SOLLECITAZIONI :								
Caso		MZ		MY	MT	N	TZ	TY
1- 1		-153.5		4493.6	55.1	-1138.4	27.5	1.5
TENSIONI (Sz= 0.00) :								
Caso	Vel	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx	-168.8	0.0	0.8	168.8	
1- 1	si	7	Tz	-63.6	4.4	0.0	64.1	
1- 1	si	10	Ty	-162.4	0.0	-3.2	162.5	
-----								PROGR. 39.
SOLLECITAZIONI :								
Caso		MZ		MY	MT	N	TZ	TY
1- 1		-95.4		3427.5	55.1	-1131.7	27.5	1.5
TENSIONI (Sz= 0.00) :								
Caso	Vel	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx	-143.7	0.0	0.8	143.8	
1- 1	si	7	Tz	-64.5	4.4	0.0	64.9	
1- 1	si	10	Ty	-139.8	0.0	-3.2	139.9	
-----								PROGR. 78.
SOLLECITAZIONI :								
Caso		MZ		MY	MT	N	TZ	TY
1- 1		-37.3		2361.5	55.1	-1125.0	27.5	1.5
TENSIONI (Sz= 0.00) :								
Caso	Vel	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	3	Sx	-118.7	0.0	0.8	118.7	
1- 1	si	7	Tz	-65.4	4.4	0.0	65.8	
1- 1	si	10	Ty	-117.2	0.0	-3.2	117.3	
1- 1	si	12	Si	-118.6	0.0	2.9	118.7	
-----								PROGR. 116.
SOLLECITAZIONI :								
Caso		MZ		MY	MT	N	TZ	TY
1- 1		20.7		1295.4	55.1	-1118.3	27.5	1.5
TENSIONI (Sz= 0.00) :								
Caso	Vel	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	2	Sx	-94.6	0.0	0.8	94.6	
1- 1	si	7	Tz	-66.2	4.4	0.0	66.7	
1- 1	si	10	Ty	-94.6	0.0	-3.2	94.7	
-----								PROGR. 155.
SOLLECITAZIONI :								
Caso		MZ		MY	MT	N	TZ	TY
1- 1		78.8		229.4	55.1	-1111.6	27.5	1.5
TENSIONI (Sz= 0.00) :								
Caso	Vel	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	2	Sx	-72.1	0.0	0.8	72.1	
1- 1	si	7	Tz	-67.1	4.4	0.0	67.5	
1- 1	si	10	Ty	-71.9	0.0	-3.2	72.2	
-----								PROGR. 194.
SOLLECITAZIONI :								
Caso		MZ		MY	MT	N	TZ	TY
1- 1		136.9		-836.7	55.1	-1104.8	27.5	1.5
TENSIONI (Sz= 0.00) :								
Caso	Vel	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	1	Sx	-86.3	0.0	0.8	86.3	
1- 1	si	7	Tz	-68.0	4.4	0.0	68.4	
1- 1	si	10	Ty	-49.3	0.0	-3.2	49.6	
-----								PROGR. 232.
SOLLECITAZIONI :								
Caso		MZ		MY	MT	N	TZ	TY

1- 1	195.0	-1902.8	55.1	-1098.1	27.5	1.5
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	1	Sx	Si	-110.5	0.0
1- 1	si	7	Tz	-68.9	4.4	0.0
1- 1	si	10	Ty	-26.7	0.0	-3.2
						27.3

----- PROGR. 271.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	253.0	-2968.8	55.1	-1091.4	27.5	1.5

TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	1	Sx	Si	-134.8	0.0
1- 1	si	7	Tz	-69.7	4.4	0.0
1- 1	si	10	Ty	-4.1	0.0	-3.2
						6.9

----- PROGR. 310.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	311.1	-4034.9	55.1	-1084.7	27.5	1.5

TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	1	Sx	Si	-159.0	0.0
1- 1	si	7	Tz	-70.6	4.4	0.0
1- 1	si	10	Ty	18.5	0.0	-3.2
						19.3

VERIFICA STABILITA` :

L0 = 310.
 Z | Lc = 310. | Ro = 3.48 | lm = 89.2 | Ncr= 44302.8 | alfa(a)=0.2100 | ki=0.7006 |
 Y | Lc = 310. | Ro = 3.48 | lm = 89.2 | Ncr= 44302.8 | alfa(a)=0.2100 | ki=0.7006 |
 Caso 1- 1 - Nodo 2 - Asse Z
 Ned = -1138.4 | Mzeq = 125.3 | Myeq = 1797.4 | Ss = -138.8 (0.062)

CASSONE_S001 (1) ----- stato limite ultimo - ASTA (5- 6) 3
----- PROGR. 0.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-839.9	4102.1	233.1	-428.9	28.9	3.5

TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	3	Sx	Si	-133.5	0.0
1- 1	si	7	Tz	-6.8	7.0	0.0
1- 1	si	10	Ty	-98.7	0.0	-5.9
						99.3

----- PROGR. 39.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-702.8	2982.7	233.1	-422.2	28.9	3.5

TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	3	Sx	Si	-105.6	0.0
1- 1	si	7	Tz	-9.4	7.0	0.0
1- 1	si	10	Ty	-76.5	0.0	-5.9
						77.2

----- PROGR. 78.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-565.7	1863.3	233.1	-415.5	28.9	3.5

TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	3	Sx	Si	-77.7	0.0
1- 1	si	7	Tz	-12.0	7.0	0.0
1- 1	si	10	Ty	-54.2	0.0	-5.9
						55.2

----- PROGR. 116.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-428.7	743.8	233.1	-408.8	28.9	3.5

TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	3	Sx	Si	-49.7	0.0
1- 1	si	7	Tz	-14.7	7.0	0.0
1- 1	si	10	Ty	-32.0	0.0	-5.9
						33.6

----- PROGR. 155.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-291.6	-375.6	233.1	-402.0	28.9	3.5

TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	4	Sx	Si	-38.3	0.0
1- 1	si	7	Tz	-17.3	7.0	0.0
1- 1	si	10	Ty	-9.7	0.0	-5.9
1- 1	si	11	Si	-37.6	0.0	-5.9
						38.9

----- PROGR. 194.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	-154.6	-1495.1	233.1	-395.3	28.9	3.5

TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	4	Sx	Si	-59.4	0.0
1- 1	si	7	Tz	-19.9	7.0	0.0
1- 1	si	10	Ty	12.5	0.0	-5.9
1- 1	si	11	Si	-59.0	0.0	-5.9
						59.9

----- PROGR. 232.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-17.5	-2614.5	233.1	-388.6	28.9	3.5
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	4	Sx	-80.5	0.0	3.2
1- 1	si	7	Tz	-22.5	7.0	0.0
1- 1	si	10	Ty	34.8	0.0	-5.9
1- 1	si	11	Si	-80.5	0.0	-5.9

PROGR. 271.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	119.6	-3733.9	233.1	-381.9	28.9	3.5
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	1	Sx	-106.9	0.0	3.2
1- 1	si	7	Tz	-25.1	7.0	0.0
1- 1	si	10	Ty	57.0	0.0	-5.9

PROGR. 310.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	256.6	-4853.4	233.1	-375.2	28.9	3.5
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	1	Sx	-134.0	0.0	3.2
1- 1	si	7	Tz	-27.7	7.0	0.0
1- 1	si	10	Ty	79.3	0.0	-5.9

VERIFICA STABILITA` :

L0 = 310.
 Z | Lc = 310. | Ro = 3.48 | lm = 89.2 | Ncr = 44302.8 | alfa(a) = 0.2100 | ki = 0.7006 |
 Y | Lc = 310. | Ro = 3.48 | lm = 89.2 | Ncr = 44302.8 | alfa(a) = 0.2100 | ki = 0.7006 |
 Caso 1- 1 - Nodo 4 - Asse Z
 Ned = -428.9 | Mzeq = -401.3 | Myeq = -1941.4 | Ss = -87.8 (0.039)

CASSONE_S001 (1) stato limite ultimo - ASTA (7- 8) 4
PROGR. 0.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	0.0	0.0	-26.9	0.0	0.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	1	Sx	-1.6	0.0	0.0
1- 1	si	7	Tz	-1.6	0.0	0.0
1- 1	si	10	Ty	-1.6	0.0	0.0

PROGR. 39.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	0.0	0.0	-20.2	0.0	0.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	1	Sx	-1.2	0.0	0.0
1- 1	si	7	Tz	-1.2	0.0	0.0
1- 1	si	10	Ty	-1.2	0.0	0.0

PROGR. 78.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	0.0	0.0	-13.4	0.0	0.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	1	Sx	-0.8	0.0	0.0
1- 1	si	7	Tz	-0.8	0.0	0.0
1- 1	si	10	Ty	-0.8	0.0	0.0

PROGR. 116.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	0.0	0.0	-6.7	0.0	0.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	3	Sx	-0.4	0.0	0.0
1- 1	si	7	Tz	-0.4	0.0	0.0
1- 1	si	10	Ty	-0.4	0.0	0.0

PROGR. 155.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	0.0	0.0	0.0	0.0	0.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	3	Sx	0.0	0.0	0.0
1- 1	si	7	Tz	0.0	0.0	0.0
1- 1	si	10	Ty	0.0	0.0	0.0

PROGR. 194.

SOLLECITAZIONI :						
Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	0.0	0.0	6.7	0.0	0.0
TENSIONI (Sz= 0.00) :						
Caso	Vel	No	massimi	Sx	Tz	Ty
1- 1	si	1	Sx	0.4	0.0	0.0
1- 1	si	7	Tz	0.4	0.0	0.0
1- 1	si	10	Ty	0.4	0.0	0.0

PROGR. 232.

SOLLECITAZIONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	0.0	0.0	0.0	13.4	0.0	0.0			
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	0.8	0.0	0.0	0.8		
1- 1	si	7	Tz	0.8	0.0	0.0	0.8		
1- 1	si	10	Ty	0.8	0.0	0.0	0.8		
								PROGR.	271.

SOLLECITAZIONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	0.0	0.0	0.0	20.2	0.0	0.0			
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	1.2	0.0	0.0	1.2		
1- 1	si	7	Tz	1.2	0.0	0.0	1.2		
1- 1	si	10	Ty	1.2	0.0	0.0	1.2		
								PROGR.	310.

SOLLECITAZIONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	0.0	0.0	0.0	26.9	0.0	0.0			
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	1.6	0.0	0.0	1.6		
1- 1	si	7	Tz	1.6	0.0	0.0	1.6		
1- 1	si	10	Ty	1.6	0.0	0.0	1.6		

VERIFICA STABILITA` :

L0 = 310.
 Z | Lc = 310. | Ro = 3.48 | lm = 89.2 | Ncr= 44302.8 | alfa(a)=0.2100 | ki=0.7006 |
 Y | Lc = 310. | Ro = 3.48 | lm = 89.2 | Ncr= 44302.8 | alfa(a)=0.2100 | ki=0.7006 |
 Caso 1- 1 - Nodo 3 - Asse Z
 Ned = -26.9 | Mzeq = 0.0 | Myeq = 0.0 | Ss = -2.3 (0.001)

CASSONE_S001 (1) stato limite ultimo - ASTA (9- 10) 5

SOLLECITAZIONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	0.0	0.0	0.0	-26.9	0.0	0.0			
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	-1.6	0.0	0.0	1.6		
1- 1	si	7	Tz	-1.6	0.0	0.0	1.6		
1- 1	si	9	Ty	-1.6	0.0	0.0	1.6		
								PROGR.	39.

SOLLECITAZIONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	0.0	0.0	0.0	-20.2	0.0	0.0			
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	-1.2	0.0	0.0	1.2		
1- 1	si	7	Tz	-1.2	0.0	0.0	1.2		
1- 1	si	9	Ty	-1.2	0.0	0.0	1.2		
								PROGR.	78.

SOLLECITAZIONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	0.0	0.0	0.0	-13.4	0.0	0.0			
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	-0.8	0.0	0.0	0.8		
1- 1	si	7	Tz	-0.8	0.0	0.0	0.8		
1- 1	si	9	Ty	-0.8	0.0	0.0	0.8		
								PROGR.	116.

SOLLECITAZIONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	0.0	0.0	0.0	-6.7	0.0	0.0			
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx	-0.4	0.0	0.0	0.4		
1- 1	si	7	Tz	-0.4	0.0	0.0	0.4		
1- 1	si	9	Ty	-0.4	0.0	0.0	0.4		
								PROGR.	155.

SOLLECITAZIONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	0.0	0.0	0.0	0.0	0.0	0.0			
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	4	Sx	0.0	0.0	0.0	0.0		
1- 1	si	7	Tz	0.0	0.0	0.0	0.0		
1- 1	si	9	Ty	0.0	0.0	0.0	0.0		
1- 1	si	11	Si	0.0	0.0	0.0	0.0		
								PROGR.	194.

SOLLECITAZIONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	0.0	0.0	0.0	6.7	0.0	0.0			
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	0.4	0.0	0.0	0.4		
1- 1	si	7	Tz	0.4	0.0	0.0	0.4		
1- 1	si	9	Ty	0.4	0.0	0.0	0.4		
								PROGR.	232.

SOLLECITAZIONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	0.0	0.0	0.0	13.4	0.0	0.0			
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	Si	0.8	0.0	0.8		
1- 1	si	7	Tz		0.8	0.0	0.8		
1- 1	si	9	Ty		0.8	0.0	0.8		

PROGR. 271.

SOLLECITAZIONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	0.0	0.0	0.0	20.2	0.0	0.0			
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	Si	1.2	0.0	1.2		
1- 1	si	7	Tz		1.2	0.0	1.2		
1- 1	si	9	Ty		1.2	0.0	1.2		

PROGR. 310.

SOLLECITAZIONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	0.0	0.0	0.0	26.9	0.0	0.0			
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	2	Sx	Si	1.6	0.0	1.6		
1- 1	si	7	Tz		1.6	0.0	1.6		
1- 1	si	9	Ty		1.6	0.0	1.6		

VERIFICA STABILITA` :

L0 = 310.
 Z | Lc = 310. | Ro = 3.48 | lm = 89.2 | Ncr = 44302.8 | alfa(a)=0.2100 | ki=0.7006 |
 Y | Lc = 310. | Ro = 3.48 | lm = 89.2 | Ncr = 44302.8 | alfa(a)=0.2100 | ki=0.7006 |
 Caso 1- 1 - Nodo 4 - Asse Z
 Ned = -26.9 | Mzeq = 0.0 | Myeq = 0.0 | Ss = -2.3 (0.001)

CASSONE_S001 (1) stato limite ultimo - ASTA (46- 118) 31
PROGR. 0.

SOLLECITAZIONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	986.1	-1733.8	0.0	-194.3	-115.6	-65.7			
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	Si	-71.0	0.0	71.0		
1- 1	si	14	Tz		-23.6	0.0	36.7		
1- 1	si	10	Ty		7.3	0.0	28.1		

PROGR. 2.

SOLLECITAZIONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	862.9	-1517.1	0.0	-194.0	-115.6	-65.7			
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	Si	-63.5	0.0	63.5		
1- 1	si	14	Tz		-22.0	0.0	35.7		
1- 1	si	10	Ty		5.0	0.0	27.6		

PROGR. 4.

SOLLECITAZIONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	739.6	-1300.4	0.0	-193.7	-115.6	-65.7			
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	Si	-56.1	0.0	56.1		
1- 1	si	14	Tz		-20.5	0.0	34.8		
1- 1	si	10	Ty		2.7	0.0	27.3		

PROGR. 6.

SOLLECITAZIONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	616.3	-1083.6	0.0	-193.3	-115.6	-65.7			
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	Si	-48.6	0.0	48.6		
1- 1	si	14	Tz		-19.0	0.0	33.9		
1- 1	si	10	Ty		0.4	0.0	27.2		

PROGR. 8.

SOLLECITAZIONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	493.1	-866.9	0.0	-193.0	-115.6	-65.7			
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	Si	-41.1	0.0	41.1		
1- 1	si	14	Tz		-17.4	0.0	33.0		
1- 1	si	10	Ty		-2.0	0.0	27.2		

PROGR. 9.

SOLLECITAZIONI :									
Caso	MZ	MY	MT	N	TZ	TY			
1- 1	369.8	-650.2	0.0	-192.7	-115.6	-65.7			
TENSIONI (Sz= 0.00) :									
Caso	Vel	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	Si	-33.7	0.0	33.7		
1- 1	si	14	Tz		-15.9	0.0	32.3		
1- 1	si	10	Ty		-4.3	0.0	27.5		

PROGR. 11.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY	
1- 1	246.5	-433.5	0.0	-192.4	-115.6	-65.7	
TENSIONI (Sz= 0.00) :							
Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-26.2	0.0	0.0	26.2
1- 1	si	14	Tz	-14.4	-16.2	0.0	31.5
1- 1	si	10	Ty	-6.6	0.0	15.7	28.0
1- 1	si	11	Si	-16.0	0.0	15.7	31.5

----- PROGR. 13.

SOLLECITAZIONI :															
Caso		MZ		MY		MT		N		TZ		TY			
1- 1		123.3		-216.7		0.0		-192.0		-115.6		-65.7			
TENSIONI (Sz= 0.00) :															
Caso		Ve		No		massimi		Sx		Tz		Ty		Si	
1- 1		si		1		Sx		-18.7		0.0		0.0		18.7	
1- 1		si		14		Tz		-12.8		-16.2		0.0		30.9	
1- 1		si		10		Ty		-8.9		0.0		15.7		28.6	

----- PROGR. 15.

SOLLECITAZIONI :									
Caso	MZ			MY	MT	N	TZ	TY	
1- 1	0.0			0.0	0.0	-191.7	-115.6	-65.7	
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi	Sx	Tz	Ty	Si		
1- 1	si	1	Sx	-11.3	0.0	0.0	11.3		
1- 1	si	14	Tz	-11.3	-16.2	0.0	30.2		
1- 1	si	10	Ty	-11.3	0.0	15.7	29.4		
1- 1	si	15	Si	-11.3	-16.2	0.0	30.2		

VERIFICA STABILITA` :

Z |L0 = 15. |
Y |Lc = 15. |Ro = 3.48 |Im = 4.3 |Ncr= 18922224.9 |alfa(a)=0.2100 |ki=1.0000 |
Y |Lc = 15. |Ro = 3.48 |Im = 4.3 |Ncr= 18922224.9 |alfa(a)=0.2100 |ki=1.0000 |
Caso 1- 1 - Nodo 1 - Asse Z
Ned = -194.3 |Mzeq = 591.7 |Myeq = -1040.3 |Ss = -47.2 (0.021)

CASSONE_S001 (1) stato limite ultimo - ASTA (47- 101) 32
----- PROGR. 0.

COLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	-458.5	-3169.8	0.7	-280.1	-8.2	30.6	
4- 4	-470.2	-598.1	0.8	-66.1	-4.5	31.3	
TENSIONI (Sz= 0.00) :							
Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-96.0	0.0	0.0	96.0
1- 1	si	13	Tz	-68.2	-3.3	0.0	68.4
4- 4	si	5	Ty	-17.0	0.0	-4.1	18.4

----- PROGR. 2.

SOLLECITAZIONI :							
Caso	MZ	MY	MT	N	TZ	TY	
1- 1	-401.2	-3154.3	0.7	-279.8	-8.2	30.6	
4- 4	-411.4	-589.7	0.8	-65.9	-4.5	31.3	
TENSIONI (Sz= 0.00) :							
Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-94.3	0.0	0.0	94.3
1- 1	si	13	Tz	-69.1	-3.3	0.0	69.3
4- 4	si	5	Ty	-16.8	0.0	-4.1	18.3

----- PROGR. 4.

SOLLECITAZIONI :															
Caso		MZ		MY		MT		N		TZ		TY			
1- 1		-343.8		-3138.9		0.7		-279.5		-8.2		30.6			
4- 4		-352.6		-581.3		0.8		-65.6		-4.5		31.3			
TENSIONI (Sz= 0.00) :															
Caso		Vel		No		massimi		Sx		Tz		Ty		Si	
1- 1		si		4		Sx		-92.7		0.0		0.0		92.7	
1- 1		si		13		Tz		-70.0		-3.3		0.0		70.3	
4- 4		si		5		Ty		-16.6		0.0		-4.1		18.1	

----- PROGR. 6.

SOLLECITAZIONI :									
Caso	MZ		MY		MT	N	TZ		TY
1- 1	-286.5		-3123.4		0.7	-279.2	-8.2		30.6
4- 4	-293.8		-572.9		0.8	-65.4	-4.5		31.3
TENSIONI (Sz= 0.00) :									
Caso	Ve	No	massimi		Sx	Tz	Ty		Si
1- 1	Si	4	Sx		-91.1	0.0	0.0		91.1
1- 1	Si	13	Tz		-71.0	-3.3	0.0		71.2
4- 4	Si	5	Ty		-16.4	0.0	-4.1		17.9

----- PROGR. 8.

SOLLECITAZIONI :			PRODOTTO				0.00	
Caso	MZ	MY	MT	N	TZ	TY		
1- 1	-229.2	-3107.9	0.7	-278.8	-8.2	30.6		
4- 4	-235.1	-564.5	0.8	-65.1	-4.5	31.3		
TENSIONI (Sz= 0.00) :								
Caso	Vel	No	massimi	Sx	Tz	Ty	Si	
1- 1	si	4	Sx	-89.5	0.0	0.0	89.5	
1- 1	si	13	Tz	-71.9	-3.3	0.0	72.1	
4- 4	si	5	Ty	-16.2	0.0	-4.1	17.7	

----- PROGR. 9.

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-171.9	-3092.5	0.7	-278.5	-8.2	30.6
4- 4	-176.3	-556.1	0.8	-64.9	-4.5	31.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-87.9	0.0	0.0	87.9
1- 1	si	13	Tz	-72.8	-3.3	0.0	73.1
4- 4	si	5	Ty	-16.0	0.0	-4.1	17.5

----- PROGR. 11.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-114.6	-3077.0	0.7	-278.2	-8.2	30.6
4- 4	-117.5	-547.7	0.8	-64.6	-4.5	31.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-86.3	0.0	0.0	86.3
1- 1	si	13	Tz	-73.8	-3.3	0.0	74.0
4- 4	si	5	Ty	-15.8	0.0	-4.1	17.4

----- PROGR. 13.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	-57.3	-3061.5	0.7	-277.9	-8.2	30.6
4- 4	-58.8	-539.3	0.8	-64.4	-4.5	31.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	4	Sx	-84.7	0.0	0.0	84.7
1- 1	si	13	Tz	-74.7	-3.3	0.0	74.9
4- 4	si	5	Ty	-15.6	0.0	-4.1	17.2

----- PROGR. 15.

SOLLECITAZIONI :

Caso	MZ	MY	MT	N	TZ	TY
1- 1	0.0	-3046.1	0.7	-277.5	-8.2	30.6
4- 4	0.0	-530.9	0.8	-64.1	-4.5	31.3

TENSIONI (Sz= 0.00) :

Caso	Vel	No	massimi	Sx	Tz	Ty	Si
1- 1	si	1	Sx	-83.1	0.0	0.0	83.1
1- 1	si	13	Tz	-75.6	-3.3	0.0	75.9
4- 4	si	5	Ty	-15.4	0.0	-4.1	17.0
1- 1	si	5	Si	-83.1	0.0	-4.0	83.4

VERIFICA STABILITA` :

L0 = 15.
 Z LC = 15. | Ro = 3.48 | Im = 4.3 | Ncr= 18922224.9 | alfa(a)=0.2100 | ki=1.0000 |
 Y LC = 15. | Ro = 3.48 | Im = 4.3 | Ncr= 18922224.9 | alfa(a)=0.2100 | ki=1.0000 |
 Caso 1- 1 - Nodo 4 - Asse Z
 Ned = -280.1 | Mzeq = -275.1 | Myeq = -3120.3 | Ss = -90.9 (0.041)

12. VERIFICA TRAVE DI FONDAZIONE

VERIFICA TRAVATA IN CEMENTO ARMATO

Nome travata : 1 - Trave di fondazione
 Metodo di verifica : stati limite (NTC18). ->
 Duttilita' : bassa con gerarchia.
 : dettagli costruttivi del capito 7 attivi.
 Unita' di misura : cm; daN; daN/cm; daNcm; daN/cm2; deform. %.
 Unita' particolari : fessure [wk]:mm - ferri:mm e cm2 - sezioni:cm e derivate.
 Copriferr (assi) : longitudinali= 3 ; staffe= 2

MATERIALI

CLS : Rck =300. ; fck=249. ; fctk= 17.9; fctm= 25.6; Ec= 314472. ;
 gc =1.5 ; fcd=141.1; fbd= 26.9; fctd= 11.9; Ecu=2.2% (limit.elastico)
 ACCIAIO : B450C; ftk=5175. ; fyk=4500. ; Es=2100000. ;
 gs =1.15; fyd=3913. ; ftd(k*fyd)=4500. ; fud=4439.8; Eud=.19% (limit.elastico)

TENSIONI E FESSURE MASSIME IN ESERCIZIO

GRUPPO : ordinario.
 CLS : ScIs(rara)=149.4; ScIs(quasi permanente)=112. ; fbd(esercizio)= 26.9
 ACCIAIO : Sacc(rara)=3600.; Coeff.Omogeneizzazione= 15
 FESSURE : wdmx(fre.)=.4 ; wdmx(q.p.)=.3 [4.1.2.2.4.5];
 kt=.4 [EN 1992-1 7.3.4].

CASI DI CARICO DA MODELLO 3D

Nome	Descrizione	Sest
1.	SLU SENZA SISMA	1.
4.	SLU con SISMAX PRINC16	
5.	SLU con SISMAX PRINC16	

RARE			FREQUENTI			QUASI PERMANENTI		
Nome	Descrizione	Sest	Nome	Descrizione	Sest	Nome	Descrizione	Sest
8.	Rara	1.	9.	Frequente	1.	10.	Quasi Perm	1.

<-

SEZIONI UTILIZZATE

3) Rettangolare: 30x40; A=1200.; Jg=160000.; E=314471.6

DESCRIZIONE CAMPATE

Cam.	Descriz.	S.ini	Sez.	S.fin	Incl.	L.assi	L.net.	lambda	K	r.Ar.	lam.max
1	A172	3	3	3	0	223.	199.	5.575	1.3	5.	105.729
2	A173	3	3	3	0	230.	206.	5.75	1.3	1.	21.146

VERIFICHE ALLO STATO LIMITE ULTIMO

FLESSIONE:

Progressive	SE	Ar	Msd	EpscI	Epsac	Mrd	EpscI	Epsac	Cam	x/d	Mr/Ms	VE
> 0.	0.	3.	1.	-17871.	-.002	.004	-804943.	-.081	.186	2.	.302	45.04
0.	0.	3.	1.	12230.	-.001	.003	804943.	-.081	.186	2.	.302	65.82
29.	29.	3.	1.	4030.	0.	.001	804943.	-.081	.186	2.	.302	199.7
112.	112.	3.	1.	-92920.	-.009	.021	-804943.	-.081	.186	2.	.302	8.663
147.	147.	3.	2.	-92343.	-.007	.011	-1551673.	-.134	.186	2.	.419	16.8
223.	223.	3.	3.	-64405.	-.004	.007	-1590905.	-.11	.186	2.	.371	24.7
> 223.	0.	3.	3.	-51364.	-.003	.006	-1590905.	-.11	.186	2.	.371	30.97
263.	40.	3.	3.	-54514.	-.003	.006	-1590905.	-.11	.186	2.	.371	29.18
300.	78.	3.	1.	-53959.	-.005	.012	-804943.	-.081	.186	2.	.302	14.92
453.	230.	3.	1.	-11184.	-.001	.003	-804943.	-.081	.186	2.	.302	71.98

TAGLIO:

Progressive	Se	Vsd	VRd	VRcd	VRsd	Asw	s	ctgT	Ve
> 0.	0.	3.	-1806.	4431.	31676.	31439.	2.26	15.	1.6
211.	211.	3.	741.	6987.	31676.	31439.	2.26	15.	1.6
223.	223.	3.	829.	6987.	31676.	31439.	2.26	15.	1.6
> 223.	0.	3.	-309.	6987.	31676.	31439.	2.26	15.	1.6
453.	230.	3.	429.	4431.	31676.	31439.	2.26	15.	1.6

VERIFICHE ALLO STATO LIMITE DI ESERCIZIO

TENSIONI DI ESERCIZIO E FESSURAZIONE - RARE:

Progressive	Se	Ar	Momento	ScIs	Sacc	As	hc,ef	Eps%	Sr,max	wd	Ve
> 0.	0.	3.	1.	8351.	-1.1	40.4	6.16	7.5	.0012	16.52	.002
12.	12.	3.	1.	-4512.	-.6	21.8	6.16	7.5	.0006	16.52	.001
29.	29.	3.	1.	-22124.	-2.9	107.	6.16	7.5	.0031	16.52	.005
112.	112.	3.	1.	-63516.	-8.4	307.3	6.16	7.5	.0088	16.52	.015
223.	223.	3.	3.	-35790.	-3.3	87.7	12.32	7.5	.0025	12.17	.003
> 223.	0.	3.	3.	-32745.	-3.	80.2	12.32	7.5	.0023	12.17	.003
263.	40.	3.	3.	-37419.	-3.4	91.6	12.32	7.5	.0026	12.17	.003
300.	78.	3.	1.	-36779.	-4.9	177.9	6.16	7.5	.0051	16.52	.008
453.	230.	3.	1.	-2792.	-.4	13.5	6.16	7.5	.0004	16.52	.001

TENSIONI DI ESERCIZIO E FESSURAZIONE - FREQUENTI:

Progressive	Se	Ar	Momento	ScIs	Sacc	As	hc,ef	Eps%	Sr,max	wd	Vel	
> 0.	0.	3.	1.	3914.!	-.5	18.9	6.16	7.5	.0005	16.52	.001	SI
12.	12.	3.	1.	-2143.!	-.3	10.4	6.16	7.5	.0003	16.52	0.	SI
29.	29.	3.	1.	-10437.!	-1.4	50.5	6.16	7.5	.0014	16.52	.002	SI
112.	112.	3.	1.	-30099.!	-4.!	145.6!	6.16	7.5	.0042	16.52	.007	SI
223.	223.	3.	3.	-17253.!	-1.6	42.3	12.32	7.5	.0012	12.17	.001	SI
> 223.	0.	3.	3.	-15937.!	-1.4	39.	12.32	7.5	.0011	12.17	.001	SI
263.	40.	3.	3.	-18466.!	-1.7	45.2	12.32	7.5	.0013	12.17	.002	SI
300.	78.	3.	1.	-18363.!	-2.4!	88.8!	6.16	7.5	.0025	16.52	.004	SI
453.	230.	3.	1.	-1265.!	-.2	6.1	6.16	7.5	.0002	16.52	0.	SI

TENSIONI DI ESERCIZIO E FESSURAZIONE - QUASI PERMANENTI:

Progressive	Se	Ar	Momento	ScIs	Sacc	As	hc,ef	Eps%	Sr,max	wd	Vel	
> 0.	0.	3.	1.	2805.!	-.4	13.6	6.16	7.5	.0004	16.52	.001	SI
12.	12.	3.	1.	-1550.!	-.2	7.5	6.16	7.5	.0002	16.52	0.	SI
29.	29.	3.	1.	-7515.!	-1.	36.4	6.16	7.5	.001	16.52	.002	SI
112.	112.	3.	1.	-21744.!	-2.9!	105.2!	6.16	7.5	.003	16.52	.005	SI
223.	223.	3.	3.	-12619.!	-1.1	30.9	12.32	7.5	.0009	12.17	.001	SI
> 223.	0.	3.	3.	-11735.!	-1.1	28.7	12.32	7.5	.0008	12.17	.001	SI
300.	78.	3.	1.	-13759.!	-1.8!	66.6!	6.16	7.5	.0019	16.52	.003	SI
453.	230.	3.	1.	-884.!	-.1	4.3	6.16	7.5	.0001	16.52	0.	SI

ARMATURE LONGITUDINALI (%=100*Af/AcIs - AcIs=area intera sezione)

Nro	Totale	%	Super.	%	Barre	Infer.	%	Barre
1	12.32	1.026	6.16	.513	4d14	6.16	.513	4d14
2	18.47	1.539	12.32	1.026	4d14 +4d14	6.16	.513	4d14
3	24.63	2.053	12.32	1.026	4d14 +4d14	12.32	1.026	4d14 +4d14

13. VERIFICA NODO DI BASE

VERIFICA TENSIONALE NODI: 1, 1 - METODO DEGLI STATI LIMITE (NTC 2018)

UNITA' DI MISURA: [daN] ; [daNcm] ; [daN/cm2] ; [mm]

GEOMETRIA NODO

Profili utilizzati

Tipo prof.		h	b	a	e	r
HEA100		96.	100.	5.	8.	12.

Piastra e fazzoletti

Num	Lz	Ly	Sp
1	230.	230.	10.
2(Y)	230.	150.	6.
3(Z)	59.	150.	6.

TIRAFONDI

Tirafondi (n° 4)

Num	X	Y	Fi	Area	Num	X	Y	Fi	Area
1	195.	35.	16.	157.	3	195.	195.	16.	157.
2	35.	35.	16.	157.	4	35.	195.	16.	157.

Dimensioni

l	l _{ft}	l _l	r
250.	120.	250.	10.

SALDATURE (n° 8)

Nome	Lung	Lato	Nome	Lung	Lato
S1	56.	7.	S5	56.	7.
S2	35.5	7.	S6	35.5	7.
S3	100.	7.	S7	100.	7.
S4	35.5	7.	S8	35.5	7.

MATERIALI

Acciaio S 275 (Fe 430)		Calcestruzzo C25/30
fd s<40mm	fd 40mm<s<80mm	fcd
2619.	2428.6	141.1
Acciaio tirafondi 8.8		
fd		
5192.		

SOLLECITAZIONI AGENTI E STATO TENSIONALE

Combinazione di sollecitazioni agenti Caso 1 As. 1 Nd. 1

N: -1805.8	Ty: -6.9	Tz: 93.7
Mt: 1604	My: 12230	Mz: 1590

Verifica tirafondi

Co-1, Co-2: NTC 2018, 4.2.8.1.1 formula (4.2.71)

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	53.8	6028.8	7644.4	32.1	9043.2	15562.2	1288.	.01	0.	.02	SI'
2	55.4	6028.8	7644.4	-70.5	9043.2	15562.2	1288.	.01	.01	.05	SI'
3	23.4	6028.8	7644.4	17.5	9043.2	15562.2	1288.	.01	0.	.01	SI'
4	26.8	6028.8	7644.4	-85.	9043.2	15562.2	1288.	0.	.01	.07	SI'

Verifica saldature

Seq-1, SLim-1: NTC 2018, 4.2.8.2.4 formula (4.2.84)

Seq-2, SLim-2: NTC 2018, 4.2.8.2.4 formula (4.2.85)

Nome	S _{prp}	Tau _{pa}	Tau _{pe}	Seq-1	Seq-2	SLim-1	SLim-2	Ver
S1	55.5	.5	8.6	56.2	64.1	1925.	2337.5	SI'
S2	307.8	6.3	14.8	308.2	322.5	1925.	2337.5	SI'
S3	430.2	21.	15.5	431.	445.1	1925.	2337.5	SI'
S4	435.9	9.2	11.8	436.1	447.7	1925.	2337.5	SI'
S5	129.5	7.3	.8	129.7	130.3	1925.	2337.5	SI'
S6	468.5	9.2	11.8	468.7	480.3	1925.	2337.5	SI'
S7	474.1	21.	15.5	474.8	489.	1925.	2337.5	SI'
S8	275.2	6.3	14.8	275.6	289.9	1925.	2337.5	SI'

Verifica piastra

Smax	fd	Ver
1780.6	2619.	SI'

Verifica pressione sul calcestruzzo

Smax	fcd	Ver
10.6	141.1	SI'

NODO VERIFICATO IN BASE ALLA COMB. DI SOLLECITAZIONI AGENTI Caso 1 As. 1 Nd. 1

Combinazione di sollecitazioni agenti Caso 4 As. 172 Nd. 1

N: 0	Ty: -384	Tz: 1.9
Mt: -320	My: 315	Mz: 2498

Verifica tirafondi

Co-1, Co-2: NTC 2018, 4.2.8.1.1 formula (4.2.71)

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	101.1	6028.8	7644.4	74.2	9043.2	15562.2	1288.	.02	.01	.06	SI'
2	91.1	6028.8	7644.4	67.2	9043.2	15562.2	1288.	.02	.01	.05	SI'
3	101.1	6028.8	7644.4	-3.3	9043.2	15562.2	1288.	.02	0.	0.	SI'
4	91.2	6028.8	7644.4	-10.4	9043.2	15562.2	1288.	.02	0.	.01	SI'

Verifica saldature

Seq-1, SLim-1: NTC 2018, 4.2.8.2.4 formula (4.2.84)

Seq-2, SLim-2: NTC 2018, 4.2.8.2.4 formula (4.2.85)

Nome	S_prp	Tau_pa	Tau_pe	Seq-1	Seq-2	SLim-1	SLim-2	Ver
S1	20.1	69.4	1.7	72.3	21.8	1925.	2337.5	SI'
S2	35.2	2.5	2.9	35.4	38.1	1925.	2337.5	SI'
S3	44.	3.	3.1	44.2	47.1	1925.	2337.5	SI'
S4	22.8	3.1	2.4	23.	25.1	1925.	2337.5	SI'
S5	20.1	71.	.2	73.8	20.2	1925.	2337.5	SI'
S6	35.2	3.1	2.4	35.4	37.5	1925.	2337.5	SI'
S7	44.	3.	3.1	44.2	47.	1925.	2337.5	SI'
S8	22.8	2.5	2.9	23.	23.7	1925.	2337.5	SI'

Verifica piastra

Smax	fd	Ver
464.5	2619.	SI'

Verifica pressione sul calcestruzzo

Smax	fcd	Ver
2.8	141.1	SI'

NODO VERIFICATO IN BASE ALLA COMB. DI SOLLECITAZIONI AGENTI Caso 4 As. 172 Nd. 1

Combinazione di sollecitazioni agenti Caso 4 As. 1 Nd. 1

N: -384	Ty: -1.3	Tz: 19.1
Mt: 315	My: 2498	Mz: 320

Verifica tirafondi

Co-1, Co-2: NTC 2018, 4.2.8.1.1 formula (4.2.71)

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	10.7	6028.8	7644.4	5.6	9043.2	15562.2	1288.	0.	0.	0.	SI'
2	11.	6028.8	7644.4	-14.6	9043.2	15562.2	1288.	0.	0.	.01	SI'
3	4.6	6028.8	7644.4	2.7	9043.2	15562.2	1288.	0.	0.	0.	SI'
4	5.2	6028.8	7644.4	-17.5	9043.2	15562.2	1288.	0.	0.	.01	SI'

Verifica saldature

Seq-1, SLim-1: NTC 2018, 4.2.8.2.4 formula (4.2.84)

Seq-2, SLim-2: NTC 2018, 4.2.8.2.4 formula (4.2.85)

Nome	S_prp	Tau_pa	Tau_pe	Seq-1	Seq-2	SLim-1	SLim-2	Ver
S1	12.	.1	1.7	12.1	13.7	1925.	2337.5	SI'
S2	62.1	1.2	2.9	62.2	65.	1925.	2337.5	SI'
S3	88.6	4.2	3.	88.8	91.5	1925.	2337.5	SI'
S4	89.8	1.8	2.3	89.8	92.1	1925.	2337.5	SI'
S5	27.1	1.4	.2	27.1	27.2	1925.	2337.5	SI'
S6	96.3	1.8	2.3	96.4	98.6	1925.	2337.5	SI'
S7	97.4	4.2	3.	97.6	100.4	1925.	2337.5	SI'
S8	55.6	1.2	2.9	55.7	58.5	1925.	2337.5	SI'

Verifica piastra

Smax	fd	Ver
362.3	2619.	SI'

Verifica pressione sul calcestruzzo

Smax	fcd	Ver
2.1	141.1	SI'

NODO VERIFICATO IN BASE ALLA COMB. DI SOLLECITAZIONI AGENTI Caso 4 As. 1 Nd. 1

Combinazione di sollecitazioni agenti Caso 1 As. 172 Nd. 1

N: 0	Ty: -1805.8	Tz: 9.6
Mt: -1590	My: 1604	Mz: 12230

Verifica tirafondi

Co-1, Co-2: NTC 2018, 4.2.8.1.1 formula (4.2.71)

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	476.8	6028.8	7644.4	364.2	9043.2	15562.2	1288.	.11	.04	.28	SI'
2	427.2	6028.8	7644.4	328.1	9043.2	15562.2	1288.	.1	.04	.25	SI'
3	477.1	6028.8	7644.4	-15.2	9043.2	15562.2	1288.	.08	0.	.01	SI'
4	427.5	6028.8	7644.4	-51.3	9043.2	15562.2	1288.	.07	.01	.04	SI'

Verifica saldature

Seq-1, SLim-1: NTC 2018, 4.2.8.2.4 formula (4.2.84)

Seq-2, SLim-2: NTC 2018, 4.2.8.2.4 formula (4.2.85)

Nome	S_prp	Tau_pa	Tau_pe	Seq-1	Seq-2	SLim-1	SLim-2	Ver
S1	98.4	326.5	8.5	341.1	106.9	1925.	2337.5	SI'
S2	174.1	12.3	14.6	175.2	188.8	1925.	2337.5	SI'
S3	217.4	14.8	15.4	218.4	232.8	1925.	2337.5	SI'
S4	111.2	15.2	11.7	111.9	122.6	1925.	2337.5	SI'
S5	98.4	334.2	.8	348.4	99.2	1925.	2337.5	SI'
S6	174.1	15.2	11.7	175.2	185.9	1925.	2337.5	SI'

s7	217.4	14.8	15.4	218.4	232.2	1925.	2337.5 SI'
s8	111.2	12.3	14.6	112.	115.4	1925.	2337.5 SI'

Verifica piastra
 s_{max} | f_d | ver
 2289.2 | 2619. | SI' |

Verifica pressione sul calcestruzzo
 s_{max} | f_{cd} | ver
 13.6 | 141.1 | SI' |

NODO VERIFICATO IN BASE ALLA COMB. DI SOLLECITAZIONI AGENTI Caso 1 As. 172 Nd. 1