

```

=====
M D F E M
=====

```

F I N I T E E L E M E N T 3-D A N A L Y S I S

Titolo del lavoro - unita': kN, m, s

\*\*\* G E N E R A L D A T A \*\*\*

N. OF POINTS ..... = 19  
 N. OF ELEMENTS ..... = 19  
 N. OF LOAD CONDITIONS ..... = 6  
 N. OF PROPERTY SETS ..... = 19

\*\*\* E L E M E N T G R O U P D A T A \*\*\*

ELEMENT TYPE      N. OF ELEMENTS  
 BEAM                      19

\*\*\* N O D A L D A T A \*\*\*

NODE	X-COORD.	Y-COORD.	Z-COORD.
1	0.0000E+00	0.0000E+00	0.0000E+00
2	0.0000E+00	0.0000E+00	2.2400E+00
3	0.0000E+00	0.0000E+00	4.4800E+00
4	0.0000E+00	0.0000E+00	5.0000E+00
5	0.0000E+00	0.0000E+00	6.7200E+00
6	0.0000E+00	0.0000E+00	8.9600E+00
7	0.0000E+00	0.0000E+00	1.1200E+01
8	0.0000E+00	0.0000E+00	1.2800E+01
9	0.0000E+00	0.0000E+00	1.5040E+01
10	0.0000E+00	0.0000E+00	1.7280E+01
11	0.0000E+00	0.0000E+00	1.9520E+01
12	0.0000E+00	0.0000E+00	2.1760E+01
13	0.0000E+00	0.0000E+00	2.4000E+01
14	0.0000E+00	0.0000E+00	2.5000E+01
15	0.0000E+00	0.0000E+00	2.6000E+01
16	0.0000E+00	0.0000E+00	2.7000E+01
17	0.0000E+00	0.0000E+00	2.8000E+01
18	0.0000E+00	0.0000E+00	2.9000E+01
19	0.0000E+00	0.0000E+00	3.0000E+01

\*\*\* R E S T R A I N T S I N F O R M A T I O N S \*\*\*

N.1	N.2	Step	-- degrees of freedom --					
			x	y	z	xx	yy	zz
1	1	1	1	1	1	1	1	1
2	2	1	0	0	0	0	0	1
3	3	1	0	0	0	0	0	1
4	4	1	0	0	0	0	0	1
5	5	1	0	0	0	0	0	1
6	6	1	0	0	0	0	0	1
7	7	1	0	0	0	0	0	1

8	8	1	0	0	0	0	0	0	1
9	9	1	0	0	0	0	0	0	1
10	10	1	0	0	0	0	0	0	1
11	11	1	0	0	0	0	0	0	1
12	12	1	0	0	0	0	0	0	1
13	13	1	0	0	0	0	0	0	1
14	14	1	0	0	0	0	0	0	1
15	15	1	0	0	0	0	0	0	1
16	16	1	0	0	0	0	0	0	1
17	17	1	0	0	0	0	0	0	1
18	18	1	0	0	0	0	0	0	1
19	19	1	0	0	0	0	0	0	1

\* \* \* M A T E R I A L P R O P E R T I E S \* \* \*

Set	Young modulus	Poisson ratio	weight density	mass density		
1	2.1000E+08	3.0000E-01	7.8500E+01	8.0045E+00		
	AREA	Jxx	Jyy	Jt	K Winkler	width
	1.6361E-02	2.2772E-03	2.2772E-03	4.7952E-03	0.0000E+00	0.0000E+00
Set	Young modulus	Poisson ratio	weight density	mass density		
2	2.1000E+08	3.0000E-01	7.8500E+01	8.0045E+00		
	AREA	Jxx	Jyy	Jt	K Winkler	width
	1.5560E-02	1.9588E-03	1.9588E-03	4.1249E-03	0.0000E+00	0.0000E+00
Set	Young modulus	Poisson ratio	weight density	mass density		
3	2.1000E+08	3.0000E-01	7.8500E+01	8.0045E+00		
	AREA	Jxx	Jyy	Jt	K Winkler	width
	1.5067E-02	1.7783E-03	1.7783E-03	3.7447E-03	0.0000E+00	0.0000E+00
Set	Young modulus	Poisson ratio	weight density	mass density		
4	2.1000E+08	3.0000E-01	7.8500E+01	8.0045E+00		
	AREA	Jxx	Jyy	Jt	K Winkler	width
	1.4666E-02	1.6403E-03	1.6403E-03	3.4540E-03	0.0000E+00	0.0000E+00
Set	Young modulus	Poisson ratio	weight density	mass density		
5	2.1000E+08	3.0000E-01	7.8500E+01	8.0045E+00		
	AREA	Jxx	Jyy	Jt	K Winkler	width
	1.3958E-02	1.4140E-03	1.4140E-03	2.9776E-03	0.0000E+00	0.0000E+00
Set	Young modulus	Poisson ratio	weight density	mass density		
6	2.1000E+08	3.0000E-01	7.8500E+01	8.0045E+00		
	AREA	Jxx	Jyy	Jt	K Winkler	width
	1.3157E-02	1.1843E-03	1.1843E-03	2.4938E-03	0.0000E+00	0.0000E+00
Set	Young modulus	Poisson ratio	weight density	mass density		
7	2.1000E+08	3.0000E-01	7.8500E+01	8.0045E+00		
	AREA	Jxx	Jyy	Jt	K Winkler	width
	1.2471E-02	1.0084E-03	1.0084E-03	2.1235E-03	0.0000E+00	0.0000E+00
Set	Young modulus	Poisson ratio	weight density	mass density		
8	2.1000E+08	3.0000E-01	7.8500E+01	8.0045E+00		

	AREA	Jxx	Jyy	Jt	K Winkler	width
	1.2633E-02	1.0484E-03	1.0484E-03	2.2077E-03	0.0000E+00	0.0000E+00
Set	Young modulus	Poisson ratio	weight density	mass density		
9	2.1000E+08	3.0000E-01	7.8500E+01	8.0045E+00		
	AREA	Jxx	Jyy	Jt	K Winkler	width
	1.1947E-02	8.8659E-04	8.8659E-04	1.8670E-03	0.0000E+00	0.0000E+00
Set	Young modulus	Poisson ratio	weight density	mass density		
10	2.1000E+08	3.0000E-01	7.8500E+01	8.0045E+00		
	AREA	Jxx	Jyy	Jt	K Winkler	width
	1.1146E-02	7.1996E-04	7.1996E-04	1.5161E-03	0.0000E+00	0.0000E+00
Set	Young modulus	Poisson ratio	weight density	mass density		
11	2.1000E+08	3.0000E-01	7.8500E+01	8.0045E+00		
	AREA	Jxx	Jyy	Jt	K Winkler	width
	1.0345E-02	5.7564E-04	5.7564E-04	1.2122E-03	0.0000E+00	0.0000E+00
Set	Young modulus	Poisson ratio	weight density	mass density		
12	2.1000E+08	3.0000E-01	7.8500E+01	8.0045E+00		
	AREA	Jxx	Jyy	Jt	K Winkler	width
	9.5440E-03	4.5202E-04	4.5202E-04	9.5186E-04	0.0000E+00	0.0000E+00
Set	Young modulus	Poisson ratio	weight density	mass density		
13	2.1000E+08	3.0000E-01	7.8500E+01	8.0045E+00		
	AREA	Jxx	Jyy	Jt	K Winkler	width
	8.7429E-03	3.4750E-04	3.4750E-04	7.3177E-04	0.0000E+00	0.0000E+00
Set	Young modulus	Poisson ratio	weight density	mass density		
14	2.1000E+08	3.0000E-01	7.8500E+01	8.0045E+00		
	AREA	Jxx	Jyy	Jt	K Winkler	width
	4.0065E-03	1.7036E-05	1.7036E-05	3.5874E-05	0.0000E+00	0.0000E+00
Set	Young modulus	Poisson ratio	weight density	mass density		
15	2.1000E+08	3.0000E-01	7.8500E+01	8.0045E+00		
	AREA	Jxx	Jyy	Jt	K Winkler	width
	4.0065E-03	1.7036E-05	1.7036E-05	3.5874E-05	0.0000E+00	0.0000E+00
Set	Young modulus	Poisson ratio	weight density	mass density		
16	2.1000E+08	3.0000E-01	7.8500E+01	8.0045E+00		
	AREA	Jxx	Jyy	Jt	K Winkler	width
	4.0065E-03	1.7036E-05	1.7036E-05	3.5874E-05	0.0000E+00	0.0000E+00
Set	Young modulus	Poisson ratio	weight density	mass density		
17	2.1000E+08	3.0000E-01	7.8500E+01	8.0045E+00		
	AREA	Jxx	Jyy	Jt	K Winkler	width
	4.0065E-03	1.7036E-05	1.7036E-05	3.5874E-05	0.0000E+00	0.0000E+00
Set	Young modulus	Poisson ratio	weight density	mass density		
18	2.1000E+08	3.0000E-01	7.8500E+01	8.0045E+00		

	AREA	Jxx	Jyy	Jt	K Winkler	width
	4.0065E-03	1.7036E-05	1.7036E-05	3.5874E-05	0.0000E+00	0.0000E+00
Set	Young modulus	Poisson ratio	weight density	mass density		
19	2.1000E+08	3.0000E-01	7.8500E+01	8.0045E+00		
	AREA	Jxx	Jyy	Jt	K Winkler	width
	4.0065E-03	1.7036E-05	1.7036E-05	3.5874E-05	0.0000E+00	0.0000E+00

SET	TYPE	ELEMENT	NODE I	NODE J
1	BEAM	1	1	2
2	BEAM	2	2	3
3	BEAM	3	3	4
4	BEAM	4	4	5
5	BEAM	5	5	6
6	BEAM	6	6	7
7	BEAM	7	7	8
8	BEAM	8	7	8
9	BEAM	9	8	9
10	BEAM	10	9	10
11	BEAM	11	10	11
12	BEAM	12	11	12
13	BEAM	13	12	13
14	BEAM	14	13	14
15	BEAM	15	14	15
16	BEAM	16	15	16
17	BEAM	17	16	17
18	BEAM	18	17	18
19	BEAM	19	18	19

=====  
LOAD CONDITION : 1

C=1 - G1: permanenti strutturali  
=====

GRAVITY LOAD ACTIVE In Global -Z DIRECTION

\*\*\* SPAN LOADS DUE TO SELF WEIGHT \*\*\*

elem.	elem.	Step	Qx i	Qy i	Qz i	Qx j	Qy j	Qz j
1	1	1	0.0000E+00	0.0000E+00	-1.2843E+00	0.0000E+00	0.0000E+00	-1.2843E+00
2	2	1	0.0000E+00	0.0000E+00	-1.2215E+00	0.0000E+00	0.0000E+00	-1.2215E+00
3	3	1	0.0000E+00	0.0000E+00	-1.1827E+00	0.0000E+00	0.0000E+00	-1.1827E+00
4	4	1	0.0000E+00	0.0000E+00	-1.1513E+00	0.0000E+00	0.0000E+00	-1.1513E+00
5	5	1	0.0000E+00	0.0000E+00	-1.0957E+00	0.0000E+00	0.0000E+00	-1.0957E+00
6	6	1	0.0000E+00	0.0000E+00	-1.0328E+00	0.0000E+00	0.0000E+00	-1.0328E+00
7	7	1	0.0000E+00	0.0000E+00	-9.7893E-01	0.0000E+00	0.0000E+00	-9.7893E-01
8	8	1	0.0000E+00	0.0000E+00	-9.9171E-01	0.0000E+00	0.0000E+00	-9.9171E-01
9	9	1	0.0000E+00	0.0000E+00	-9.3782E-01	0.0000E+00	0.0000E+00	-9.3782E-01
10	10	1	0.0000E+00	0.0000E+00	-8.7495E-01	0.0000E+00	0.0000E+00	-8.7495E-01
11	11	1	0.0000E+00	0.0000E+00	-8.1208E-01	0.0000E+00	0.0000E+00	-8.1208E-01
12	12	1	0.0000E+00	0.0000E+00	-7.4920E-01	0.0000E+00	0.0000E+00	-7.4920E-01
13	13	1	0.0000E+00	0.0000E+00	-6.8632E-01	0.0000E+00	0.0000E+00	-6.8632E-01
14	14	1	0.0000E+00	0.0000E+00	-3.1451E-01	0.0000E+00	0.0000E+00	-3.1451E-01
15	15	1	0.0000E+00	0.0000E+00	-3.1451E-01	0.0000E+00	0.0000E+00	-3.1451E-01
16	16	1	0.0000E+00	0.0000E+00	-3.1451E-01	0.0000E+00	0.0000E+00	-3.1451E-01
17	17	1	0.0000E+00	0.0000E+00	-3.1451E-01	0.0000E+00	0.0000E+00	-3.1451E-01
18	18	1	0.0000E+00	0.0000E+00	-3.1451E-01	0.0000E+00	0.0000E+00	-3.1451E-01
19	19	1	0.0000E+00	0.0000E+00	-3.1451E-01	0.0000E+00	0.0000E+00	-3.1451E-01

\*\*\* S P A N L O A D S \*\*\*

none

\*\*\* D I S P L A C E M E N T S \*\*\*

NODE	X-displ.	Y-displ.	Z-displ.	XX-rotat.	YY-rotat.	ZZ-rotat.
1	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
2	0.0000E+00	0.0000E+00	-1.6738E-05	0.0000E+00	0.0000E+00	0.0000E+00
3	0.0000E+00	0.0000E+00	-3.2413E-05	0.0000E+00	0.0000E+00	0.0000E+00
4	0.0000E+00	0.0000E+00	-3.5896E-05	0.0000E+00	0.0000E+00	0.0000E+00
5	0.0000E+00	0.0000E+00	-4.7006E-05	0.0000E+00	0.0000E+00	0.0000E+00
6	0.0000E+00	0.0000E+00	-6.0514E-05	0.0000E+00	0.0000E+00	0.0000E+00
7	0.0000E+00	0.0000E+00	-7.2911E-05	0.0000E+00	0.0000E+00	0.0000E+00
8	0.0000E+00	0.0000E+00	-7.6723E-05	0.0000E+00	0.0000E+00	0.0000E+00
9	0.0000E+00	0.0000E+00	-8.5590E-05	0.0000E+00	0.0000E+00	0.0000E+00
10	0.0000E+00	0.0000E+00	-9.3152E-05	0.0000E+00	0.0000E+00	0.0000E+00
11	0.0000E+00	0.0000E+00	-9.9351E-05	0.0000E+00	0.0000E+00	0.0000E+00
12	0.0000E+00	0.0000E+00	-1.0412E-04	0.0000E+00	0.0000E+00	0.0000E+00
13	0.0000E+00	0.0000E+00	-1.0736E-04	0.0000E+00	0.0000E+00	0.0000E+00
14	0.0000E+00	0.0000E+00	-1.0941E-04	0.0000E+00	0.0000E+00	0.0000E+00
15	0.0000E+00	0.0000E+00	-1.1109E-04	0.0000E+00	0.0000E+00	0.0000E+00
16	0.0000E+00	0.0000E+00	-1.1240E-04	0.0000E+00	0.0000E+00	0.0000E+00
17	0.0000E+00	0.0000E+00	-1.1334E-04	0.0000E+00	0.0000E+00	0.0000E+00
18	0.0000E+00	0.0000E+00	-1.1390E-04	0.0000E+00	0.0000E+00	0.0000E+00
19	0.0000E+00	0.0000E+00	-1.1409E-04	0.0000E+00	0.0000E+00	0.0000E+00

\*\*\* P O I N T F O R C E S & R E A C T I O N S \*\*\*

NODE	Fx	Fy	Fz	Mxx	Myy	Mzz
1	0.0000E+00	0.0000E+00	2.7112E+01	0.0000E+00	0.0000E+00	0.0000E+00
2	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
3	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
4	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
5	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
6	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
7	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
8	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
9	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
10	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
11	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
12	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
13	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
14	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
15	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
16	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
17	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
18	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
19	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
TOTAL	0.0000E+00	0.0000E+00	2.7112E+01	0.0000E+00	0.0000E+00	0.0000E+00

\*\*\* M E M B E R F O R C E S \*\*\*

\* positive sign For tension axial forces \*

ELEMENT	NODE	DIST	AXIAL R1	SHEAR R2	SHEAR R3	TORSION M1	BENDING M2	BENDING M3
1	1	0.0000E+00	-2.7112E+01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	2	2.2400E+00	-2.4235E+01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
2	2	0.0000E+00	-2.4235E+01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	3	2.2400E+00	-2.1499E+01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
3	3	0.0000E+00	-2.1499E+01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	4	5.2000E-01	-2.0884E+01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

4	4	0.0000E+00	-2.0884E+01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	5	1.7200E+00	-1.8903E+01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
5	5	0.0000E+00	-1.8903E+01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	6	2.2400E+00	-1.6449E+01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
6	6	0.0000E+00	-1.6449E+01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	7	2.2400E+00	-1.4135E+01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
7	7	0.0000E+00	-7.0219E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	8	1.6000E+00	-5.4556E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
8	7	0.0000E+00	-7.1135E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	8	1.6000E+00	-5.5268E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
9	8	0.0000E+00	-1.0982E+01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	9	2.2400E+00	-8.8816E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
10	9	0.0000E+00	-8.8816E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	10	2.2400E+00	-6.9217E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
11	10	0.0000E+00	-6.9217E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	11	2.2400E+00	-5.1026E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
12	11	0.0000E+00	-5.1026E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	12	2.2400E+00	-3.4244E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
13	12	0.0000E+00	-3.4244E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	13	2.2400E+00	-1.8871E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
14	13	0.0000E+00	-1.8871E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	14	1.0000E+00	-1.5726E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
15	14	0.0000E+00	-1.5726E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	15	1.0000E+00	-1.2581E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
16	15	0.0000E+00	-1.2581E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	16	1.0000E+00	-9.4354E-01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
17	16	0.0000E+00	-9.4354E-01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	17	1.0000E+00	-6.2903E-01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
18	17	0.0000E+00	-6.2903E-01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	18	1.0000E+00	-3.1451E-01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
19	18	0.0000E+00	-3.1451E-01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	19	1.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

=====  
LOAD CONDITION : 2

C=2 - G2: permanenti non strutt.  
=====

\*\*\* P O I N T L O A D S \*\*\*

NODE	Fx	Fy	Fz	Mxx	Myy	Mzz
2	0.0000E+00	0.0000E+00	-3.1179E-01	0.0000E+00	0.0000E+00	0.0000E+00
3	0.0000E+00	0.0000E+00	-5.1821E-01	0.0000E+00	0.0000E+00	0.0000E+00
4	0.0000E+00	0.0000E+00	-8.3721E-02	0.0000E+00	0.0000E+00	0.0000E+00
5	0.0000E+00	0.0000E+00	-2.0199E-01	0.0000E+00	0.0000E+00	0.0000E+00
6	0.0000E+00	0.0000E+00	-2.2143E-01	0.0000E+00	0.0000E+00	0.0000E+00
7	0.0000E+00	0.0000E+00	-2.9286E-01	0.0000E+00	0.0000E+00	0.0000E+00
8	0.0000E+00	0.0000E+00	-2.9286E-01	0.0000E+00	0.0000E+00	0.0000E+00

9	0.0000E+00	0.0000E+00	-2.2143E-01	0.0000E+00	0.0000E+00	0.0000E+00
10	0.0000E+00	0.0000E+00	-2.2143E-01	0.0000E+00	0.0000E+00	0.0000E+00
11	0.0000E+00	0.0000E+00	-2.2143E-01	0.0000E+00	0.0000E+00	0.0000E+00
12	0.0000E+00	0.0000E+00	-6.2321E-01	0.0000E+00	0.0000E+00	0.0000E+00
13	0.0000E+00	0.0000E+00	-3.7396E+00	0.0000E+00	0.0000E+00	0.0000E+00
16	0.0000E+00	0.0000E+00	-1.0800E+00	0.0000E+00	0.0000E+00	0.0000E+00
18	0.0000E+00	0.0000E+00	-2.7000E+00	0.0000E+00	0.0000E+00	0.0000E+00
19	0.0000E+00	0.0000E+00	-5.4000E-01	0.0000E+00	0.0000E+00	0.0000E+00

\*\*\* S P A N L O A D S \*\*\*  
none

\*\*\* D I S P L A C E M E N T S \*\*\*

NODE	X-displ.	Y-displ.	Z-displ.	XX-rotat.	YY-rotat.	ZZ-rotat.
1	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
2	0.0000E+00	0.0000E+00	-7.3476E-06	0.0000E+00	0.0000E+00	0.0000E+00
3	0.0000E+00	0.0000E+00	-1.4860E-05	0.0000E+00	0.0000E+00	0.0000E+00
4	0.0000E+00	0.0000E+00	-1.6575E-05	0.0000E+00	0.0000E+00	0.0000E+00
5	0.0000E+00	0.0000E+00	-2.2359E-05	0.0000E+00	0.0000E+00	0.0000E+00
6	0.0000E+00	0.0000E+00	-3.0119E-05	0.0000E+00	0.0000E+00	0.0000E+00
7	0.0000E+00	0.0000E+00	-3.8171E-05	0.0000E+00	0.0000E+00	0.0000E+00
8	0.0000E+00	0.0000E+00	-4.1097E-05	0.0000E+00	0.0000E+00	0.0000E+00
9	0.0000E+00	0.0000E+00	-4.9443E-05	0.0000E+00	0.0000E+00	0.0000E+00
10	0.0000E+00	0.0000E+00	-5.8176E-05	0.0000E+00	0.0000E+00	0.0000E+00
11	0.0000E+00	0.0000E+00	-6.7357E-05	0.0000E+00	0.0000E+00	0.0000E+00
12	0.0000E+00	0.0000E+00	-7.7061E-05	0.0000E+00	0.0000E+00	0.0000E+00
13	0.0000E+00	0.0000E+00	-8.6895E-05	0.0000E+00	0.0000E+00	0.0000E+00
14	0.0000E+00	0.0000E+00	-9.2029E-05	0.0000E+00	0.0000E+00	0.0000E+00
15	0.0000E+00	0.0000E+00	-9.7163E-05	0.0000E+00	0.0000E+00	0.0000E+00
16	0.0000E+00	0.0000E+00	-1.0230E-04	0.0000E+00	0.0000E+00	0.0000E+00
17	0.0000E+00	0.0000E+00	-1.0615E-04	0.0000E+00	0.0000E+00	0.0000E+00
18	0.0000E+00	0.0000E+00	-1.1000E-04	0.0000E+00	0.0000E+00	0.0000E+00
19	0.0000E+00	0.0000E+00	-1.1064E-04	0.0000E+00	0.0000E+00	0.0000E+00

\*\*\* P O I N T F O R C E S & R E A C T I O N S \*\*\*

NODE	Fx	Fy	Fz	Mxx	Myy	Mzz
1	0.0000E+00	0.0000E+00	1.1270E+01	0.0000E+00	0.0000E+00	0.0000E+00
2	0.0000E+00	0.0000E+00	-3.1179E-01	0.0000E+00	0.0000E+00	0.0000E+00
3	0.0000E+00	0.0000E+00	-5.1821E-01	0.0000E+00	0.0000E+00	0.0000E+00
4	0.0000E+00	0.0000E+00	-8.3721E-02	0.0000E+00	0.0000E+00	0.0000E+00
5	0.0000E+00	0.0000E+00	-2.0199E-01	0.0000E+00	0.0000E+00	0.0000E+00
6	0.0000E+00	0.0000E+00	-2.2143E-01	0.0000E+00	0.0000E+00	0.0000E+00
7	0.0000E+00	0.0000E+00	-2.9286E-01	0.0000E+00	0.0000E+00	0.0000E+00
8	0.0000E+00	0.0000E+00	-2.9286E-01	0.0000E+00	0.0000E+00	0.0000E+00
9	0.0000E+00	0.0000E+00	-2.2143E-01	0.0000E+00	0.0000E+00	0.0000E+00
10	0.0000E+00	0.0000E+00	-2.2143E-01	0.0000E+00	0.0000E+00	0.0000E+00
11	0.0000E+00	0.0000E+00	-2.2143E-01	0.0000E+00	0.0000E+00	0.0000E+00
12	0.0000E+00	0.0000E+00	-6.2321E-01	0.0000E+00	0.0000E+00	0.0000E+00
13	0.0000E+00	0.0000E+00	-3.7396E+00	0.0000E+00	0.0000E+00	0.0000E+00
14	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
15	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
16	0.0000E+00	0.0000E+00	-1.0800E+00	0.0000E+00	0.0000E+00	0.0000E+00
17	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
18	0.0000E+00	0.0000E+00	-2.7000E+00	0.0000E+00	0.0000E+00	0.0000E+00
19	0.0000E+00	0.0000E+00	-5.4000E-01	0.0000E+00	0.0000E+00	0.0000E+00
TOTAL	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

\*\*\* M E M B E R F O R C E S \*\*\*

\* positive sign For tension axial forces \*

AXIAL                  SHEAR                  SHEAR                  TORSION                  BENDING                  BENDING

ELEMENT	NODE	DIST	R1	R2	R3	M1	M2	M3
1	1	0.0000E+00	-1.1270E+01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	2	2.2400E+00	-1.1270E+01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
2	2	0.0000E+00	-1.0958E+01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	3	2.2400E+00	-1.0958E+01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
3	3	0.0000E+00	-1.0440E+01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	4	5.2000E-01	-1.0440E+01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
4	4	0.0000E+00	-1.0356E+01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	5	1.7200E+00	-1.0356E+01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
5	5	0.0000E+00	-1.0154E+01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	6	2.2400E+00	-1.0154E+01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
6	6	0.0000E+00	-9.9329E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	7	2.2400E+00	-9.9329E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
7	7	0.0000E+00	-4.7887E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	8	1.6000E+00	-4.7887E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
8	7	0.0000E+00	-4.8513E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	8	1.6000E+00	-4.8513E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
9	8	0.0000E+00	-9.3471E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	9	2.2400E+00	-9.3471E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
10	9	0.0000E+00	-9.1257E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	10	2.2400E+00	-9.1257E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
11	10	0.0000E+00	-8.9043E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	11	2.2400E+00	-8.9043E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
12	11	0.0000E+00	-8.6829E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	12	2.2400E+00	-8.6829E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
13	12	0.0000E+00	-8.0596E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	13	2.2400E+00	-8.0596E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
14	13	0.0000E+00	-4.3200E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	14	1.0000E+00	-4.3200E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
15	14	0.0000E+00	-4.3200E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	15	1.0000E+00	-4.3200E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
16	15	0.0000E+00	-4.3200E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	16	1.0000E+00	-4.3200E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
17	16	0.0000E+00	-3.2400E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	17	1.0000E+00	-3.2400E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
18	17	0.0000E+00	-3.2400E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	18	1.0000E+00	-3.2400E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
19	18	0.0000E+00	-5.4000E-01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
	19	1.0000E+00	-5.4000E-01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

=====  
LOAD CONDITION : 3

C=3 - Q1: vento long. Fx + trasv. Fy  
=====





19	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
TOTAL	-2.0557E+01	-3.4595E+01	0.0000E+00	7.9190E+02	-3.6655E+02	0.0000E+00

\*\*\* MEMBER FORCES \*\*\*

\* positive sign For tension axial forces \*

ELEMENT	NODE	DIST	AXIAL	SHEAR	SHEAR	TORSION	BENDING	BENDING
			R1	R2	R3	M1	M2	M3
1	1	0.0000E+00	0.0000E+00	3.4595E+01	-2.0557E+01	0.0000E+00	3.6655E+02	7.9190E+02
	2	2.2400E+00	0.0000E+00	3.4572E+01	-1.9369E+01	0.0000E+00	3.2185E+02	7.1443E+02
2	2	0.0000E+00	0.0000E+00	3.4572E+01	-1.9369E+01	0.0000E+00	3.2185E+02	7.1443E+02
	3	2.2400E+00	0.0000E+00	3.4446E+01	-1.8229E+01	0.0000E+00	2.7975E+02	6.3710E+02
3	3	0.0000E+00	0.0000E+00	3.4463E+01	-1.8251E+01	0.0000E+00	2.7975E+02	6.3710E+02
	4	5.2000E-01	0.0000E+00	3.4416E+01	-1.7994E+01	0.0000E+00	2.7033E+02	6.1919E+02
4	4	0.0000E+00	0.0000E+00	3.4398E+01	-1.7972E+01	0.0000E+00	2.7033E+02	6.1920E+02
	5	1.7200E+00	0.0000E+00	3.4181E+01	-1.7112E+01	0.0000E+00	2.4016E+02	5.6020E+02
5	5	0.0000E+00	0.0000E+00	3.4181E+01	-1.7112E+01	0.0000E+00	2.4016E+02	5.6020E+02
	6	2.2400E+00	0.0000E+00	3.3691E+01	-1.5944E+01	0.0000E+00	2.0313E+02	4.8414E+02
6	6	0.0000E+00	0.0000E+00	3.3690E+01	-1.5945E+01	0.0000E+00	2.0313E+02	4.8414E+02
	7	2.2400E+00	0.0000E+00	3.2904E+01	-1.4749E+01	0.0000E+00	1.6875E+02	4.0949E+02
7	7	0.0000E+00	0.0000E+00	1.6379E+01	-7.4507E+00	0.0000E+00	8.2792E+01	2.0084E+02
	8	1.6000E+00	0.0000E+00	1.5238E+01	-6.5923E+00	0.0000E+00	7.1558E+01	1.7542E+02
8	7	0.0000E+00	0.0000E+00	1.6530E+01	-7.2996E+00	0.0000E+00	8.5954E+01	2.0865E+02
	8	1.6000E+00	0.0000E+00	1.6530E+01	-7.2996E+00	0.0000E+00	7.4275E+01	1.8221E+02
9	8	0.0000E+00	0.0000E+00	3.1763E+01	-1.3890E+01	0.0000E+00	1.4583E+02	3.5763E+02
	9	2.2400E+00	0.0000E+00	2.9891E+01	-1.2704E+01	0.0000E+00	1.1605E+02	2.8871E+02
10	9	0.0000E+00	0.0000E+00	2.9891E+01	-1.2705E+01	0.0000E+00	1.1605E+02	2.8871E+02
	10	2.2400E+00	0.0000E+00	2.8202E+01	-1.1552E+01	0.0000E+00	8.8891E+01	2.2358E+02
11	10	0.0000E+00	0.0000E+00	2.8201E+01	-1.1551E+01	0.0000E+00	8.8890E+01	2.2358E+02
	11	2.2400E+00	0.0000E+00	2.6150E+01	-1.0445E+01	0.0000E+00	6.4264E+01	1.6264E+02
12	11	0.0000E+00	0.0000E+00	2.6150E+01	-1.0447E+01	0.0000E+00	6.4264E+01	1.6264E+02
	12	2.2400E+00	0.0000E+00	2.3469E+01	-9.3963E+00	0.0000E+00	4.2051E+01	1.0690E+02
13	12	0.0000E+00	0.0000E+00	2.3471E+01	-9.3955E+00	0.0000E+00	4.2052E+01	1.0690E+02
	13	2.2400E+00	0.0000E+00	1.6359E+01	-7.5230E+00	0.0000E+00	2.2785E+01	6.0803E+01
14	13	0.0000E+00	0.0000E+00	1.6359E+01	-7.5228E+00	0.0000E+00	2.2785E+01	6.0804E+01
	14	1.0000E+00	0.0000E+00	1.3600E+01	-6.2997E+00	0.0000E+00	1.5873E+01	4.6190E+01
15	14	0.0000E+00	0.0000E+00	1.3599E+01	-6.3002E+00	0.0000E+00	1.5873E+01	4.6190E+01
	15	1.0000E+00	0.0000E+00	1.3012E+01	-5.0643E+00	0.0000E+00	1.0190E+01	3.2880E+01
16	15	0.0000E+00	0.0000E+00	1.3014E+01	-5.0641E+00	0.0000E+00	1.0190E+01	3.2880E+01
	16	1.0000E+00	0.0000E+00	1.1249E+01	-3.8157E+00	0.0000E+00	5.7489E+00	2.0556E+01
17	16	0.0000E+00	0.0000E+00	1.1247E+01	-3.8156E+00	0.0000E+00	5.7491E+00	2.0556E+01
	17	1.0000E+00	0.0000E+00	9.4332E+00	-2.5553E+00	0.0000E+00	2.5627E+00	1.0401E+01
18	17	0.0000E+00	0.0000E+00	9.4369E+00	-2.5548E+00	0.0000E+00	2.5625E+00	1.0401E+01
	18	1.0000E+00	0.0000E+00	5.4434E+00	-1.2828E+00	0.0000E+00	6.4273E-01	2.4132E+00
19	18	0.0000E+00	0.0000E+00	5.4403E+00	-1.2829E+00	0.0000E+00	6.4237E-01	2.4138E+00
	19	1.0000E+00	0.0000E+00	-9.6959E-04	3.1783E-04	0.0000E+00	1.5389E-04	4.8397E-04

=====  
LOAD CONDITION : 4  
=====

C=4 - Q2: neve (ghiaccio)  
=====

\*\*\* POINT LOADS \*\*\*

NODE	Fx	Fy	Fz	Mxx	Myy	Mzz
2	0.0000E+00	0.0000E+00	-1.2346E-05	0.0000E+00	0.0000E+00	0.0000E+00
3	0.0000E+00	0.0000E+00	-4.5270E-05	0.0000E+00	0.0000E+00	0.0000E+00
4	0.0000E+00	0.0000E+00	-2.4119E-05	0.0000E+00	0.0000E+00	0.0000E+00
5	0.0000E+00	0.0000E+00	-2.4693E-05	0.0000E+00	0.0000E+00	0.0000E+00
6	0.0000E+00	0.0000E+00	-3.0866E-05	0.0000E+00	0.0000E+00	0.0000E+00
7	0.0000E+00	0.0000E+00	-5.7617E-05	0.0000E+00	0.0000E+00	0.0000E+00
8	0.0000E+00	0.0000E+00	-2.6751E-05	0.0000E+00	0.0000E+00	0.0000E+00
9	0.0000E+00	0.0000E+00	-3.2924E-05	0.0000E+00	0.0000E+00	0.0000E+00
10	0.0000E+00	0.0000E+00	-3.9097E-05	0.0000E+00	0.0000E+00	0.0000E+00
11	0.0000E+00	0.0000E+00	-4.5270E-05	0.0000E+00	0.0000E+00	0.0000E+00
12	0.0000E+00	0.0000E+00	-1.2861E-05	0.0000E+00	0.0000E+00	0.0000E+00
13	0.0000E+00	0.0000E+00	-5.7617E-05	0.0000E+00	0.0000E+00	0.0000E+00
16	0.0000E+00	0.0000E+00	-5.7617E-05	0.0000E+00	0.0000E+00	0.0000E+00
18	0.0000E+00	0.0000E+00	-5.7617E-05	0.0000E+00	0.0000E+00	0.0000E+00
19	0.0000E+00	0.0000E+00	-5.7617E-05	0.0000E+00	0.0000E+00	0.0000E+00

\*\*\* SPAN LOADS \*\*\*

elem.	First elem.	Last step	Gen. context	Qx i	Qy i	Qz i	Qx j	Qy j	Qz j
1	1	1	global	1.0123E-02	0.0000E+00	-3.1027E-01	9.6300E-03	0.0000E+00	-3.1027E-01
2	2	1	global	1.0123E-02	0.0000E+00	-2.9520E-01	9.8038E-03	0.0000E+00	-2.9520E-01
3	3	1	global	1.0123E-02	0.0000E+00	-2.8591E-01	9.8555E-03	0.0000E+00	-2.8591E-01
4	4	1	global	1.0123E-02	0.0000E+00	-2.7838E-01	1.0646E-02	0.0000E+00	-2.7838E-01
5	5	1	global	1.1183E-02	0.0000E+00	-2.6505E-01	1.1555E-02	0.0000E+00	-2.6505E-01
6	6	1	global	1.2255E-02	0.0000E+00	-2.4998E-01	1.2432E-02	0.0000E+00	-2.4998E-01
7	7	1	global	1.3113E-02	0.0000E+00	-2.3706E-01	1.3068E-02	0.0000E+00	-2.3706E-01
9	9	1	global	1.3637E-02	0.0000E+00	-2.2720E-01	1.3331E-02	0.0000E+00	-2.2720E-01
10	10	1	global	1.4282E-02	0.0000E+00	-2.1212E-01	1.3788E-02	0.0000E+00	-2.1212E-01
11	11	1	global	1.4848E-02	0.0000E+00	-1.9705E-01	1.4171E-02	0.0000E+00	-1.9705E-01
12	12	1	global	1.5351E-02	0.0000E+00	-1.8197E-01	1.4490E-02	0.0000E+00	-1.8197E-01
13	13	1	global	1.5806E-02	0.0000E+00	-1.6690E-01	4.2231E-02	0.0000E+00	-1.6690E-01
14	14	1	global	1.2562E-01	0.0000E+00	-5.6719E-02	1.2697E-01	0.0000E+00	-5.6719E-02
15	15	1	global	1.2697E-01	0.0000E+00	-5.6719E-02	1.2827E-01	0.0000E+00	-5.6719E-02
16	16	1	global	1.2827E-01	0.0000E+00	-5.6719E-02	1.2953E-01	0.0000E+00	-5.6719E-02
17	17	1	global	1.2953E-01	0.0000E+00	-5.6719E-02	1.3074E-01	0.0000E+00	-5.6719E-02
18	18	1	global	1.3074E-01	0.0000E+00	-5.6719E-02	1.3192E-01	0.0000E+00	-5.6719E-02
19	19	1	global	1.3192E-01	0.0000E+00	-5.6719E-02	1.3307E-01	0.0000E+00	-5.6719E-02

\*\*\* DISPLACEMENTS \*\*\*

NODE	X-displ.	Y-displ.	Z-displ.	XX-rotat.	YY-rotat.	ZZ-rotat.
1	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
2	1.3033E-04	0.0000E+00	-3.7272E-06	0.0000E+00	1.1444E-04	0.0000E+00
3	5.2327E-04	0.0000E+00	-7.1815E-06	0.0000E+00	2.3420E-04	0.0000E+00
4	6.5251E-04	0.0000E+00	-7.9430E-06	0.0000E+00	2.6277E-04	0.0000E+00
5	1.1888E-03	0.0000E+00	-1.0356E-05	0.0000E+00	3.5929E-04	0.0000E+00
6	2.1427E-03	0.0000E+00	-1.3247E-05	0.0000E+00	4.8955E-04	0.0000E+00
7	3.3943E-03	0.0000E+00	-1.5847E-05	0.0000E+00	6.2454E-04	0.0000E+00
8	4.4331E-03	0.0000E+00	-1.6678E-05	0.0000E+00	6.7301E-04	0.0000E+00
9	6.0967E-03	0.0000E+00	-1.8725E-05	0.0000E+00	8.0808E-04	0.0000E+00
10	8.0639E-03	0.0000E+00	-2.0449E-05	0.0000E+00	9.4325E-04	0.0000E+00
11	1.0331E-02	0.0000E+00	-2.1833E-05	0.0000E+00	1.0747E-03	0.0000E+00
12	1.2882E-02	0.0000E+00	-2.2860E-05	0.0000E+00	1.1957E-03	0.0000E+00
13	1.5683E-02	0.0000E+00	-2.3503E-05	0.0000E+00	1.2956E-03	0.0000E+00

14	1.7273E-02	0.0000E+00	-2.3874E-05	0.0000E+00	1.8505E-03	0.0000E+00
15	1.9323E-02	0.0000E+00	-2.4178E-05	0.0000E+00	2.2236E-03	0.0000E+00
16	2.1671E-02	0.0000E+00	-2.4414E-05	0.0000E+00	2.4506E-03	0.0000E+00
17	2.4188E-02	0.0000E+00	-2.4583E-05	0.0000E+00	2.5675E-03	0.0000E+00
18	2.6782E-02	0.0000E+00	-2.4684E-05	0.0000E+00	2.6107E-03	0.0000E+00
19	2.9397E-02	0.0000E+00	-2.4718E-05	0.0000E+00	2.6169E-03	0.0000E+00

\*\*\* POINT FORCES & REACTIONS \*\*\*

NODE	Fx	Fy	Fz	Mxx	Myy	Mzz
1	-1.1109E+00	0.0000E+00	6.0645E+00	0.0000E+00	-2.5667E+01	0.0000E+00
2	0.0000E+00	0.0000E+00	-1.2346E-05	0.0000E+00	0.0000E+00	0.0000E+00
3	0.0000E+00	0.0000E+00	-4.5270E-05	0.0000E+00	0.0000E+00	0.0000E+00
4	0.0000E+00	0.0000E+00	-2.4119E-05	0.0000E+00	0.0000E+00	0.0000E+00
5	0.0000E+00	0.0000E+00	-2.4693E-05	0.0000E+00	0.0000E+00	0.0000E+00
6	0.0000E+00	0.0000E+00	-3.0866E-05	0.0000E+00	0.0000E+00	0.0000E+00
7	0.0000E+00	0.0000E+00	-5.7617E-05	0.0000E+00	0.0000E+00	0.0000E+00
8	0.0000E+00	0.0000E+00	-2.6751E-05	0.0000E+00	0.0000E+00	0.0000E+00
9	0.0000E+00	0.0000E+00	-3.2924E-05	0.0000E+00	0.0000E+00	0.0000E+00
10	0.0000E+00	0.0000E+00	-3.9097E-05	0.0000E+00	0.0000E+00	0.0000E+00
11	0.0000E+00	0.0000E+00	-4.5270E-05	0.0000E+00	0.0000E+00	0.0000E+00
12	0.0000E+00	0.0000E+00	-1.2861E-05	0.0000E+00	0.0000E+00	0.0000E+00
13	0.0000E+00	0.0000E+00	-5.7617E-05	0.0000E+00	0.0000E+00	0.0000E+00
14	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
15	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
16	0.0000E+00	0.0000E+00	-5.7617E-05	0.0000E+00	0.0000E+00	0.0000E+00
17	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
18	0.0000E+00	0.0000E+00	-5.7617E-05	0.0000E+00	0.0000E+00	0.0000E+00
19	0.0000E+00	0.0000E+00	-5.7617E-05	0.0000E+00	0.0000E+00	0.0000E+00
TOTAL	-1.1109E+00	0.0000E+00	6.0639E+00	0.0000E+00	-2.5667E+01	0.0000E+00

\*\*\* MEMBER FORCES \*\*\*

\* positive sign For tension axial forces \*

ELEMENT	NODE	DIST	AXIAL R1	SHEAR R2	SHEAR R3	TORSION M1	BENDING M2	BENDING M3
1	1	0.0000E+00	-6.0645E+00	0.0000E+00	-1.1109E+00	0.0000E+00	2.5667E+01	0.0000E+00
	2	2.2400E+00	-5.3695E+00	0.0000E+00	-1.0888E+00	0.0000E+00	2.3204E+01	0.0000E+00
2	2	0.0000E+00	-5.3695E+00	0.0000E+00	-1.0888E+00	0.0000E+00	2.3204E+01	0.0000E+00
	3	2.2400E+00	-4.7083E+00	0.0000E+00	-1.0665E+00	0.0000E+00	2.0790E+01	0.0000E+00
3	3	0.0000E+00	-4.7082E+00	0.0000E+00	-1.0669E+00	0.0000E+00	2.0790E+01	0.0000E+00
	4	5.2000E-01	-4.5595E+00	0.0000E+00	-1.0617E+00	0.0000E+00	2.0237E+01	0.0000E+00
4	4	0.0000E+00	-4.5595E+00	0.0000E+00	-1.0613E+00	0.0000E+00	2.0237E+01	0.0000E+00
	5	1.7200E+00	-4.0807E+00	0.0000E+00	-1.0434E+00	0.0000E+00	1.8427E+01	0.0000E+00
5	5	0.0000E+00	-4.0807E+00	0.0000E+00	-1.0434E+00	0.0000E+00	1.8427E+01	0.0000E+00
	6	2.2400E+00	-3.4870E+00	0.0000E+00	-1.0179E+00	0.0000E+00	1.6118E+01	0.0000E+00
6	6	0.0000E+00	-3.4869E+00	0.0000E+00	-1.0179E+00	0.0000E+00	1.6118E+01	0.0000E+00
	7	2.2400E+00	-2.9270E+00	0.0000E+00	-9.9029E-01	0.0000E+00	1.3869E+01	0.0000E+00
7	7	0.0000E+00	-1.5494E+00	0.0000E+00	-4.9080E-01	0.0000E+00	6.8010E+00	0.0000E+00
	8	1.6000E+00	-1.1701E+00	0.0000E+00	-4.6985E-01	0.0000E+00	6.0325E+00	0.0000E+00
8	7	0.0000E+00	-1.3775E+00	0.0000E+00	-4.9935E-01	0.0000E+00	7.0677E+00	0.0000E+00
	8	1.6000E+00	-1.3775E+00	0.0000E+00	-4.9935E-01	0.0000E+00	6.2687E+00	0.0000E+00
9	8	0.0000E+00	-2.5476E+00	0.0000E+00	-9.6939E-01	0.0000E+00	1.2301E+01	0.0000E+00
	9	2.2400E+00	-2.0387E+00	0.0000E+00	-9.3919E-01	0.0000E+00	1.0164E+01	0.0000E+00
10	9	0.0000E+00	-2.0387E+00	0.0000E+00	-9.3912E-01	0.0000E+00	1.0164E+01	0.0000E+00
	10	2.2400E+00	-1.5635E+00	0.0000E+00	-9.0768E-01	0.0000E+00	8.0956E+00	0.0000E+00

11	10	0.0000E+00	-1.5635E+00	0.0000E+00	-9.0769E-01	0.0000E+00	8.0956E+00	0.0000E+00
	11	2.2400E+00	-1.1221E+00	0.0000E+00	-8.7519E-01	0.0000E+00	6.0991E+00	0.0000E+00
12	11	0.0000E+00	-1.1220E+00	0.0000E+00	-8.7519E-01	0.0000E+00	6.0991E+00	0.0000E+00
	12	2.2400E+00	-7.1441E-01	0.0000E+00	-8.4176E-01	0.0000E+00	4.1764E+00	0.0000E+00
13	12	0.0000E+00	-7.1440E-01	0.0000E+00	-8.4179E-01	0.0000E+00	4.1765E+00	0.0000E+00
	13	2.2400E+00	-3.4054E-01	0.0000E+00	-7.7679E-01	0.0000E+00	2.3526E+00	0.0000E+00
14	13	0.0000E+00	-3.4049E-01	0.0000E+00	-7.7673E-01	0.0000E+00	2.3526E+00	0.0000E+00
	14	1.0000E+00	-2.8377E-01	0.0000E+00	-6.5044E-01	0.0000E+00	1.6389E+00	0.0000E+00
15	14	0.0000E+00	-2.8377E-01	0.0000E+00	-6.5053E-01	0.0000E+00	1.6389E+00	0.0000E+00
	15	1.0000E+00	-2.2705E-01	0.0000E+00	-5.2292E-01	0.0000E+00	1.0521E+00	0.0000E+00
16	15	0.0000E+00	-2.2705E-01	0.0000E+00	-5.2282E-01	0.0000E+00	1.0521E+00	0.0000E+00
	16	1.0000E+00	-1.7033E-01	0.0000E+00	-3.9392E-01	0.0000E+00	5.9362E-01	0.0000E+00
17	16	0.0000E+00	-1.7027E-01	0.0000E+00	-3.9396E-01	0.0000E+00	5.9360E-01	0.0000E+00
	17	1.0000E+00	-1.1355E-01	0.0000E+00	-2.6382E-01	0.0000E+00	2.6461E-01	0.0000E+00
18	17	0.0000E+00	-1.1355E-01	0.0000E+00	-2.6385E-01	0.0000E+00	2.6461E-01	0.0000E+00
	18	1.0000E+00	-5.6835E-02	0.0000E+00	-1.3251E-01	0.0000E+00	6.6333E-02	0.0000E+00
19	18	0.0000E+00	-5.6777E-02	0.0000E+00	-1.3247E-01	0.0000E+00	6.6333E-02	0.0000E+00
	19	1.0000E+00	-5.7933E-05	0.0000E+00	2.0799E-05	0.0000E+00	1.0592E-05	0.0000E+00

LOAD CONDITION : 5

C=5 - sisma X SLV (+30% sisma Y)

\*\*\* POINT LOADS \*\*\*

NODE	Fx	Fy	Fz	Mxx	Myy	Mzz
2	1.8472E-02	5.5417E-03	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
3	3.1127E-02	9.3382E-03	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
4	3.9479E-02	1.1844E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
5	1.0725E-01	3.2176E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
6	1.7297E-01	5.1892E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
7	2.3766E-01	7.1299E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
8	2.1753E-01	6.5260E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
9	1.2654E-01	3.7962E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
10	3.6395E-02	1.0919E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
11	-5.9110E-02	-1.7733E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
12	-9.3689E-02	-2.8107E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
13	2.5972E-01	7.7916E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
14	-1.8228E-02	-5.4684E-03	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
15	-3.6114E-02	-1.0834E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
16	1.2770E-01	3.8310E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
17	-7.3132E-02	-2.1940E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
18	7.4680E-01	2.2404E-01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
19	1.5441E-01	4.6322E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

\*\*\* SPAN LOADS \*\*\*

none

\*\*\* DISPLACEMENTS \*\*\*

NODE	X-displ.	Y-displ.	Z-displ.	XX-rotat.	YY-rotat.	ZZ-rotat.
------	----------	----------	----------	-----------	-----------	-----------

1	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
2	2.0184E-04	6.0552E-05	0.0000E+00	-5.3017E-05	1.7672E-04	0.0000E+00
3	8.0516E-04	2.4155E-04	0.0000E+00	-1.0738E-04	3.5793E-04	0.0000E+00
4	1.0024E-03	3.0072E-04	0.0000E+00	-1.2014E-04	4.0048E-04	0.0000E+00
5	1.8156E-03	5.4468E-04	0.0000E+00	-1.6271E-04	5.4235E-04	0.0000E+00
6	3.2453E-03	9.7359E-04	0.0000E+00	-2.1873E-04	7.2910E-04	0.0000E+00
7	5.0956E-03	1.5287E-03	0.0000E+00	-2.7526E-04	9.1752E-04	0.0000E+00
8	6.6181E-03	1.9854E-03	0.0000E+00	-2.9524E-04	9.8414E-04	0.0000E+00
9	9.0382E-03	2.7114E-03	0.0000E+00	-3.5142E-04	1.1714E-03	0.0000E+00
10	1.1886E-02	3.5657E-03	0.0000E+00	-4.0956E-04	1.3652E-03	0.0000E+00
11	1.5175E-02	4.5526E-03	0.0000E+00	-4.6950E-04	1.5650E-03	0.0000E+00
12	1.8915E-02	5.6745E-03	0.0000E+00	-5.2937E-04	1.7646E-03	0.0000E+00
13	2.3087E-02	6.9262E-03	0.0000E+00	-5.8426E-04	1.9475E-03	0.0000E+00
14	2.5644E-02	7.6933E-03	0.0000E+00	-9.3728E-04	3.1243E-03	0.0000E+00
15	2.9251E-02	8.7753E-03	0.0000E+00	-1.2139E-03	4.0465E-03	0.0000E+00
16	3.3650E-02	1.0095E-02	0.0000E+00	-1.4120E-03	4.7066E-03	0.0000E+00
17	3.8581E-02	1.1574E-02	0.0000E+00	-1.5352E-03	5.1174E-03	0.0000E+00
18	4.3804E-02	1.3141E-02	0.0000E+00	-1.5859E-03	5.2865E-03	0.0000E+00
19	4.9105E-02	1.4731E-02	0.0000E+00	-1.5924E-03	5.3081E-03	0.0000E+00

\*\*\* P O I N T F O R C E S & R E A C T I O N S \*\*\*

NODE	Fx	Fy	Fz	Mxx	Myy	Mzz
1	-1.9958E+00	-5.9874E-01	0.0000E+00	1.1989E+01	-3.9963E+01	0.0000E+00
2	1.8472E-02	5.5417E-03	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
3	3.1127E-02	9.3382E-03	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
4	3.9479E-02	1.1844E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
5	1.0725E-01	3.2176E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
6	1.7297E-01	5.1892E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
7	2.3766E-01	7.1299E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
8	2.1753E-01	6.5260E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
9	1.2654E-01	3.7962E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
10	3.6395E-02	1.0919E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
11	-5.9110E-02	-1.7733E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
12	-9.3689E-02	-2.8107E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
13	2.5972E-01	7.7916E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
14	-1.8228E-02	-5.4684E-03	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
15	-3.6114E-02	-1.0834E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
16	1.2770E-01	3.8310E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
17	-7.3132E-02	-2.1940E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
18	7.4680E-01	2.2404E-01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
19	1.5441E-01	4.6322E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
TOTAL	0.0000E+00	0.0000E+00	0.0000E+00	1.1989E+01	-3.9963E+01	0.0000E+00

\*\*\* M E M B E R F O R C E S \*\*\*

\* positive sign For tension axial forces \*

ELEMENT	NODE	DIST	AXIAL R1	SHEAR R2	SHEAR R3	TORSION M1	BENDING M2	BENDING M3
1	1	0.0000E+00	0.0000E+00	5.9874E-01	-1.9958E+00	0.0000E+00	3.9963E+01	1.1989E+01
	2	2.2400E+00	0.0000E+00	5.9874E-01	-1.9958E+00	0.0000E+00	3.5492E+01	1.0648E+01
-----								
2	2	0.0000E+00	0.0000E+00	5.9319E-01	-1.9773E+00	0.0000E+00	3.5492E+01	1.0648E+01
	3	2.2400E+00	0.0000E+00	5.9319E-01	-1.9773E+00	0.0000E+00	3.1063E+01	9.3189E+00
-----								
3	3	0.0000E+00	0.0000E+00	5.8402E-01	-1.9478E+00	0.0000E+00	3.1064E+01	9.3190E+00
	4	5.2000E-01	0.0000E+00	5.8402E-01	-1.9478E+00	0.0000E+00	3.0051E+01	9.0153E+00
-----								
4	4	0.0000E+00	0.0000E+00	5.7200E-01	-1.9067E+00	0.0000E+00	3.0051E+01	9.0153E+00
	5	1.7200E+00	0.0000E+00	5.7200E-01	-1.9067E+00	0.0000E+00	2.6772E+01	8.0315E+00
-----								
5	5	0.0000E+00	0.0000E+00	5.3985E-01	-1.7994E+00	0.0000E+00	2.6772E+01	8.0315E+00
	6	2.2400E+00	0.0000E+00	5.3985E-01	-1.7994E+00	0.0000E+00	2.2741E+01	6.8222E+00
-----								
6	6	0.0000E+00	0.0000E+00	4.8794E-01	-1.6265E+00	0.0000E+00	2.2741E+01	6.8222E+00

	7	2.2400E+00	0.0000E+00	4.8794E-01	-1.6265E+00	0.0000E+00	1.9097E+01	5.7292E+00
7	7	0.0000E+00	0.0000E+00	2.0433E-01	-6.8094E-01	0.0000E+00	9.3632E+00	2.8090E+00
	8	1.6000E+00	0.0000E+00	2.0433E-01	-6.8094E-01	0.0000E+00	8.2737E+00	2.4821E+00
8	7	0.0000E+00	0.0000E+00	2.1243E-01	-7.0793E-01	0.0000E+00	9.7343E+00	2.9203E+00
	8	1.6000E+00	0.0000E+00	2.1243E-01	-7.0793E-01	0.0000E+00	8.6016E+00	2.5804E+00
9	8	0.0000E+00	0.0000E+00	3.5138E-01	-1.1713E+00	0.0000E+00	1.6875E+01	5.0626E+00
	9	2.2400E+00	0.0000E+00	3.5138E-01	-1.1713E+00	0.0000E+00	1.4252E+01	4.2755E+00
10	9	0.0000E+00	0.0000E+00	3.1343E-01	-1.0448E+00	0.0000E+00	1.4252E+01	4.2755E+00
	10	2.2400E+00	0.0000E+00	3.1343E-01	-1.0448E+00	0.0000E+00	1.1911E+01	3.5734E+00
11	10	0.0000E+00	0.0000E+00	3.0248E-01	-1.0083E+00	0.0000E+00	1.1911E+01	3.5734E+00
	11	2.2400E+00	0.0000E+00	3.0248E-01	-1.0083E+00	0.0000E+00	9.6527E+00	2.8958E+00
12	11	0.0000E+00	0.0000E+00	3.2023E-01	-1.0674E+00	0.0000E+00	9.6526E+00	2.8958E+00
	12	2.2400E+00	0.0000E+00	3.2023E-01	-1.0674E+00	0.0000E+00	7.2617E+00	2.1785E+00
13	12	0.0000E+00	0.0000E+00	3.4835E-01	-1.1613E+00	0.0000E+00	7.2617E+00	2.1785E+00
	13	2.2400E+00	0.0000E+00	3.4835E-01	-1.1613E+00	0.0000E+00	4.6604E+00	1.3982E+00
14	13	0.0000E+00	0.0000E+00	2.7043E-01	-9.0137E-01	0.0000E+00	4.6605E+00	1.3982E+00
	14	1.0000E+00	0.0000E+00	2.7043E-01	-9.0137E-01	0.0000E+00	3.7592E+00	1.1277E+00
15	14	0.0000E+00	0.0000E+00	2.7589E-01	-9.1971E-01	0.0000E+00	3.7592E+00	1.1277E+00
	15	1.0000E+00	0.0000E+00	2.7589E-01	-9.1971E-01	0.0000E+00	2.8394E+00	8.5185E-01
16	15	0.0000E+00	0.0000E+00	2.8676E-01	-9.5584E-01	0.0000E+00	2.8395E+00	8.5185E-01
	16	1.0000E+00	0.0000E+00	2.8676E-01	-9.5584E-01	0.0000E+00	1.8837E+00	5.6510E-01
17	16	0.0000E+00	0.0000E+00	2.4843E-01	-8.2807E-01	0.0000E+00	1.8837E+00	5.6511E-01
	17	1.0000E+00	0.0000E+00	2.4843E-01	-8.2807E-01	0.0000E+00	1.0556E+00	3.1668E-01
18	17	0.0000E+00	0.0000E+00	2.7035E-01	-9.0118E-01	0.0000E+00	1.0556E+00	3.1668E-01
	18	1.0000E+00	0.0000E+00	2.7035E-01	-9.0118E-01	0.0000E+00	1.5442E-01	4.6327E-02
19	18	0.0000E+00	0.0000E+00	4.6327E-02	-1.5443E-01	0.0000E+00	1.5442E-01	4.6325E-02
	19	1.0000E+00	0.0000E+00	4.6327E-02	-1.5443E-01	0.0000E+00	-1.3328E-05	-2.4989E-06

=====  
LOAD CONDITION : 6

C=6 - vento longitudinale Fx con v=cost. = 100 km/h  
=====

\*\*\* S P A N L O A D S \*\*\*

elem.	elem.	step	Gen.	Qx i	Qy i	Qz i	Qx j	Qy j	Qz j
1	1	1	global	3.3692E-01	0.0000E+00	0.0000E+00	3.2051E-01	0.0000E+00	0.0000E+00
2	2	1	global	3.2051E-01	0.0000E+00	0.0000E+00	3.1039E-01	0.0000E+00	0.0000E+00
3	3	1	global	3.1039E-01	0.0000E+00	0.0000E+00	3.0218E-01	0.0000E+00	0.0000E+00
4	4	1	global	3.0218E-01	0.0000E+00	0.0000E+00	2.8767E-01	0.0000E+00	0.0000E+00
5	5	1	global	2.8767E-01	0.0000E+00	0.0000E+00	2.7125E-01	0.0000E+00	0.0000E+00
6	6	1	global	2.7125E-01	0.0000E+00	0.0000E+00	2.5718E-01	0.0000E+00	0.0000E+00
7	7	1	global	2.5718E-01	0.0000E+00	0.0000E+00	2.4644E-01	0.0000E+00	0.0000E+00
9	9	1	global	2.4644E-01	0.0000E+00	0.0000E+00	2.3003E-01	0.0000E+00	0.0000E+00
10	10	1	global	2.3003E-01	0.0000E+00	0.0000E+00	2.1361E-01	0.0000E+00	0.0000E+00
11	11	1	global	2.1361E-01	0.0000E+00	0.0000E+00	1.9719E-01	0.0000E+00	0.0000E+00
12	12	1	global	1.9719E-01	0.0000E+00	0.0000E+00	1.8077E-01	0.0000E+00	0.0000E+00
13	13	1	global	1.8077E-01	0.0000E+00	0.0000E+00	4.7063E-01	0.0000E+00	0.0000E+00
14	14	1	global	4.7063E-01	0.0000E+00	0.0000E+00	4.7063E-01	0.0000E+00	0.0000E+00

15	15	1	global	4.7063E-01	0.0000E+00	0.0000E+00	4.7063E-01	0.0000E+00	0.0000E+00
16	16	1	global	4.7063E-01	0.0000E+00	0.0000E+00	4.7063E-01	0.0000E+00	0.0000E+00
17	17	1	global	4.7063E-01	0.0000E+00	0.0000E+00	4.7063E-01	0.0000E+00	0.0000E+00
18	18	1	global	4.7063E-01	0.0000E+00	0.0000E+00	4.7063E-01	0.0000E+00	0.0000E+00
19	19	1	global	4.7063E-01	0.0000E+00	0.0000E+00	4.7063E-01	0.0000E+00	0.0000E+00

\*\*\* D I S P L A C E M E N T S \*\*\*

NODE	X-displ.	Y-displ.	Z-displ.	XX-rotat.	YY-rotat.	ZZ-rotat.
1	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
2	7.4270E-04	0.0000E+00	0.0000E+00	0.0000E+00	6.4769E-04	0.0000E+00
3	2.9397E-03	0.0000E+00	0.0000E+00	0.0000E+00	1.2974E-03	0.0000E+00
4	3.6538E-03	0.0000E+00	0.0000E+00	0.0000E+00	1.4483E-03	0.0000E+00
5	6.5833E-03	0.0000E+00	0.0000E+00	0.0000E+00	1.9476E-03	0.0000E+00
6	1.1694E-02	0.0000E+00	0.0000E+00	0.0000E+00	2.5967E-03	0.0000E+00
7	1.8256E-02	0.0000E+00	0.0000E+00	0.0000E+00	3.2413E-03	0.0000E+00
8	2.3625E-02	0.0000E+00	0.0000E+00	0.0000E+00	3.4643E-03	0.0000E+00
9	3.2082E-02	0.0000E+00	0.0000E+00	0.0000E+00	4.0633E-03	0.0000E+00
10	4.1855E-02	0.0000E+00	0.0000E+00	0.0000E+00	4.6371E-03	0.0000E+00
11	5.2872E-02	0.0000E+00	0.0000E+00	0.0000E+00	5.1704E-03	0.0000E+00
12	6.5016E-02	0.0000E+00	0.0000E+00	0.0000E+00	5.6393E-03	0.0000E+00
13	7.8102E-02	0.0000E+00	0.0000E+00	0.0000E+00	6.0066E-03	0.0000E+00
14	8.5166E-02	0.0000E+00	0.0000E+00	0.0000E+00	8.0018E-03	0.0000E+00
15	9.3886E-02	0.0000E+00	0.0000E+00	0.0000E+00	9.3392E-03	0.0000E+00
16	1.0367E-01	0.0000E+00	0.0000E+00	0.0000E+00	1.0150E-02	0.0000E+00
17	1.1406E-01	0.0000E+00	0.0000E+00	0.0000E+00	1.0567E-02	0.0000E+00
18	1.2472E-01	0.0000E+00	0.0000E+00	0.0000E+00	1.0721E-02	0.0000E+00
19	1.3545E-01	0.0000E+00	0.0000E+00	0.0000E+00	1.0742E-02	0.0000E+00

\*\*\* P O I N T F O R C E S & R E A C T I O N S \*\*\*

NODE	Fx	Fy	Fz	Mxx	Myy	Mzz
1	-9.1975E+00	0.0000E+00	0.0000E+00	0.0000E+00	-1.4829E+02	0.0000E+00
2	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
3	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
4	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
5	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
6	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
7	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
8	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
9	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
10	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
11	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
12	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
13	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
14	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
15	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
16	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
17	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
18	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
19	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
TOTAL	-9.1975E+00	0.0000E+00	0.0000E+00	0.0000E+00	-1.4829E+02	0.0000E+00

\*\*\* M E M B E R F O R C E S \*\*\*

\* positive sign For tension axial forces \*

ELEMENT	NODE	DIST	AXIAL	SHEAR	SHEAR	TORSION	BENDING	BENDING
			R1	R2	R3	M1	M2	M3
1	1	0.0000E+00	0.0000E+00	0.0000E+00	-9.1975E+00	0.0000E+00	1.4829E+02	0.0000E+00
	2	2.2400E+00	0.0000E+00	0.0000E+00	-8.4612E+00	0.0000E+00	1.2852E+02	0.0000E+00
2	2	0.0000E+00	0.0000E+00	0.0000E+00	-8.4612E+00	0.0000E+00	1.2852E+02	0.0000E+00
	3	2.2400E+00	0.0000E+00	0.0000E+00	-7.7546E+00	0.0000E+00	1.1037E+02	0.0000E+00



3	3	0.0000E+00	0.0000E+00	0.0000E+00	-7.7499E+00	0.0000E+00	1.1037E+02	0.0000E+00
	4	5.2000E-01	0.0000E+00	0.0000E+00	-7.5906E+00	0.0000E+00	1.0638E+02	0.0000E+00
4	4	0.0000E+00	0.0000E+00	0.0000E+00	-7.5955E+00	0.0000E+00	1.0638E+02	0.0000E+00
	5	1.7200E+00	0.0000E+00	0.0000E+00	-7.0883E+00	0.0000E+00	9.3751E+01	0.0000E+00
5	5	0.0000E+00	0.0000E+00	0.0000E+00	-7.0879E+00	0.0000E+00	9.3751E+01	0.0000E+00
	6	2.2400E+00	0.0000E+00	0.0000E+00	-6.4619E+00	0.0000E+00	7.8582E+01	0.0000E+00
6	6	0.0000E+00	0.0000E+00	0.0000E+00	-6.4619E+00	0.0000E+00	7.8582E+01	0.0000E+00
	7	2.2400E+00	0.0000E+00	0.0000E+00	-5.8700E+00	0.0000E+00	6.4776E+01	0.0000E+00
7	7	0.0000E+00	0.0000E+00	0.0000E+00	-2.9814E+00	0.0000E+00	3.1786E+01	0.0000E+00
	8	1.6000E+00	0.0000E+00	0.0000E+00	-2.5785E+00	0.0000E+00	2.7340E+01	0.0000E+00
8	7	0.0000E+00	0.0000E+00	0.0000E+00	-2.8883E+00	0.0000E+00	3.2990E+01	0.0000E+00
	8	1.6000E+00	0.0000E+00	0.0000E+00	-2.8883E+00	0.0000E+00	2.8368E+01	0.0000E+00
9	8	0.0000E+00	0.0000E+00	0.0000E+00	-5.4678E+00	0.0000E+00	5.5709E+01	0.0000E+00
	9	2.2400E+00	0.0000E+00	0.0000E+00	-4.9341E+00	0.0000E+00	4.4065E+01	0.0000E+00
10	9	0.0000E+00	0.0000E+00	0.0000E+00	-4.9333E+00	0.0000E+00	4.4066E+01	0.0000E+00
	10	2.2400E+00	0.0000E+00	0.0000E+00	-4.4364E+00	0.0000E+00	3.3578E+01	0.0000E+00
11	10	0.0000E+00	0.0000E+00	0.0000E+00	-4.4369E+00	0.0000E+00	3.3578E+01	0.0000E+00
	11	2.2400E+00	0.0000E+00	0.0000E+00	-3.9768E+00	0.0000E+00	2.4162E+01	0.0000E+00
12	11	0.0000E+00	0.0000E+00	0.0000E+00	-3.9766E+00	0.0000E+00	2.4162E+01	0.0000E+00
	12	2.2400E+00	0.0000E+00	0.0000E+00	-3.5533E+00	0.0000E+00	1.5735E+01	0.0000E+00
13	12	0.0000E+00	0.0000E+00	0.0000E+00	-3.5535E+00	0.0000E+00	1.5735E+01	0.0000E+00
	13	2.2400E+00	0.0000E+00	0.0000E+00	-2.8239E+00	0.0000E+00	8.4712E+00	0.0000E+00
14	13	0.0000E+00	0.0000E+00	0.0000E+00	-2.8237E+00	0.0000E+00	8.4713E+00	0.0000E+00
	14	1.0000E+00	0.0000E+00	0.0000E+00	-2.3530E+00	0.0000E+00	5.8830E+00	0.0000E+00
15	14	0.0000E+00	0.0000E+00	0.0000E+00	-2.3533E+00	0.0000E+00	5.8830E+00	0.0000E+00
	15	1.0000E+00	0.0000E+00	0.0000E+00	-1.8827E+00	0.0000E+00	3.7650E+00	0.0000E+00
16	15	0.0000E+00	0.0000E+00	0.0000E+00	-1.8825E+00	0.0000E+00	3.7650E+00	0.0000E+00
	16	1.0000E+00	0.0000E+00	0.0000E+00	-1.4119E+00	0.0000E+00	2.1178E+00	0.0000E+00
17	16	0.0000E+00	0.0000E+00	0.0000E+00	-1.4119E+00	0.0000E+00	2.1178E+00	0.0000E+00
	17	1.0000E+00	0.0000E+00	0.0000E+00	-9.4123E-01	0.0000E+00	9.4128E-01	0.0000E+00
18	17	0.0000E+00	0.0000E+00	0.0000E+00	-9.4119E-01	0.0000E+00	9.4123E-01	0.0000E+00
	18	1.0000E+00	0.0000E+00	0.0000E+00	-4.7056E-01	0.0000E+00	2.3535E-01	0.0000E+00
19	18	0.0000E+00	0.0000E+00	0.0000E+00	-4.7037E-01	0.0000E+00	2.3519E-01	0.0000E+00
	19	1.0000E+00	0.0000E+00	0.0000E+00	2.5839E-04	0.0000E+00	1.2969E-04	0.0000E+00

=====  
LOAD COMBINATION : 1

SLU 1  
=====

LOAD CASE	FACTOR
1	1.30000
2	1.50000
3	1.50000
4	0.75000
5	0.00000

6 0.00000

GRAVITY LOAD ACTIVE In Global -Z DIRECTION

\*\*\* SPAN LOADS DUE TO SELF WEIGHT \*\*\*

elem.	elem.	Step	Qx i	Qy i	Qz i	Qx j	Qy j	Qz j
1	1	1	0.0000E+00	0.0000E+00	-1.6696E+00	0.0000E+00	0.0000E+00	-1.6696E+00
2	2	1	0.0000E+00	0.0000E+00	-1.5879E+00	0.0000E+00	0.0000E+00	-1.5879E+00
3	3	1	0.0000E+00	0.0000E+00	-1.5376E+00	0.0000E+00	0.0000E+00	-1.5376E+00
4	4	1	0.0000E+00	0.0000E+00	-1.4967E+00	0.0000E+00	0.0000E+00	-1.4967E+00
5	5	1	0.0000E+00	0.0000E+00	-1.4244E+00	0.0000E+00	0.0000E+00	-1.4244E+00
6	6	1	0.0000E+00	0.0000E+00	-1.3427E+00	0.0000E+00	0.0000E+00	-1.3427E+00
7	7	1	0.0000E+00	0.0000E+00	-1.2726E+00	0.0000E+00	0.0000E+00	-1.2726E+00
8	8	1	0.0000E+00	0.0000E+00	-1.2892E+00	0.0000E+00	0.0000E+00	-1.2892E+00
9	9	1	0.0000E+00	0.0000E+00	-1.2192E+00	0.0000E+00	0.0000E+00	-1.2192E+00
10	10	1	0.0000E+00	0.0000E+00	-1.1374E+00	0.0000E+00	0.0000E+00	-1.1374E+00
11	11	1	0.0000E+00	0.0000E+00	-1.0557E+00	0.0000E+00	0.0000E+00	-1.0557E+00
12	12	1	0.0000E+00	0.0000E+00	-9.7396E-01	0.0000E+00	0.0000E+00	-9.7396E-01
13	13	1	0.0000E+00	0.0000E+00	-8.9221E-01	0.0000E+00	0.0000E+00	-8.9221E-01
14	14	1	0.0000E+00	0.0000E+00	-4.0887E-01	0.0000E+00	0.0000E+00	-4.0887E-01
15	15	1	0.0000E+00	0.0000E+00	-4.0887E-01	0.0000E+00	0.0000E+00	-4.0887E-01
16	16	1	0.0000E+00	0.0000E+00	-4.0887E-01	0.0000E+00	0.0000E+00	-4.0887E-01
17	17	1	0.0000E+00	0.0000E+00	-4.0887E-01	0.0000E+00	0.0000E+00	-4.0887E-01
18	18	1	0.0000E+00	0.0000E+00	-4.0887E-01	0.0000E+00	0.0000E+00	-4.0887E-01
19	19	1	0.0000E+00	0.0000E+00	-4.0887E-01	0.0000E+00	0.0000E+00	-4.0887E-01

\*\*\* P O I N T L O A D S \*\*\*

NODE	Fx	Fy	Fz	Mxx	Myy	Mzz
2	0.0000E+00	0.0000E+00	-4.6769E-01	0.0000E+00	0.0000E+00	0.0000E+00
3	0.0000E+00	0.0000E+00	-7.7736E-01	0.0000E+00	0.0000E+00	0.0000E+00
4	0.0000E+00	0.0000E+00	-1.2560E-01	0.0000E+00	0.0000E+00	0.0000E+00
5	0.0000E+00	0.0000E+00	-3.0301E-01	0.0000E+00	0.0000E+00	0.0000E+00
6	0.0000E+00	0.0000E+00	-3.3217E-01	0.0000E+00	0.0000E+00	0.0000E+00
7	0.0000E+00	0.0000E+00	-4.3933E-01	0.0000E+00	0.0000E+00	0.0000E+00
8	0.0000E+00	0.0000E+00	-4.3931E-01	0.0000E+00	0.0000E+00	0.0000E+00
9	0.0000E+00	0.0000E+00	-3.3217E-01	0.0000E+00	0.0000E+00	0.0000E+00
10	0.0000E+00	0.0000E+00	-3.3217E-01	0.0000E+00	0.0000E+00	0.0000E+00
11	0.0000E+00	0.0000E+00	-3.3218E-01	0.0000E+00	0.0000E+00	0.0000E+00
12	0.0000E+00	0.0000E+00	-9.3483E-01	0.0000E+00	0.0000E+00	0.0000E+00
13	0.0000E+00	0.0000E+00	-5.6095E+00	0.0000E+00	0.0000E+00	0.0000E+00
16	0.0000E+00	0.0000E+00	-1.6200E+00	0.0000E+00	0.0000E+00	0.0000E+00
18	0.0000E+00	0.0000E+00	-4.0500E+00	0.0000E+00	0.0000E+00	0.0000E+00
19	0.0000E+00	0.0000E+00	-8.1004E-01	0.0000E+00	0.0000E+00	0.0000E+00

\*\*\* S P A N L O A D S \*\*\*

elem.	elem.	step	Gen. context	Qx i	Qy i	Qz i	Qx j	Qy j	Qz j
1	1	1	global	8.2290E-01	0.0000E+00	-2.3270E-01	7.8280E-01	3.0762E-02	-2.3270E-01
2	2	1	global	7.8317E-01	3.0762E-02	-2.2140E-01	7.5845E-01	1.3804E-01	-2.2140E-01
3	3	1	global	7.5869E-01	1.3804E-01	-2.1443E-01	7.3863E-01	1.3539E-01	-2.1443E-01
4	4	1	global	7.3883E-01	1.3539E-01	-2.0878E-01	7.7700E-01	2.4375E-01	-2.0878E-01
5	5	1	global	7.7740E-01	2.4375E-01	-1.9879E-01	8.0326E-01	4.1302E-01	-1.9879E-01
6	6	1	global	8.0378E-01	4.1302E-01	-1.8748E-01	8.1544E-01	6.4039E-01	-1.8748E-01
7	7	1	global	8.1595E-01	6.4039E-01	-1.7779E-01	8.1317E-01	1.4981E+00	-1.7779E-01
8	8	1	global	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
9	9	1	global	8.1360E-01	1.4981E+00	-1.7040E-01	7.9532E-01	1.0099E+00	-1.7040E-01
10	10	1	global	7.9603E-01	1.0099E+00	-1.5909E-01	7.6847E-01	1.2523E+00	-1.5909E-01
11	11	1	global	7.6926E-01	1.2523E+00	-1.4779E-01	7.3423E-01	1.4948E+00	-1.4779E-01
12	12	1	global	7.3512E-01	1.4948E+00	-1.3648E-01	6.9388E-01	2.0952E+00	-1.3648E-01
13	13	1	global	6.9487E-01	2.0952E+00	-1.2518E-01	1.8566E+00	7.4290E+00	-1.2518E-01
14	14	1	global	1.9191E+00	7.4290E+00	-4.2539E-02	1.9397E+00	8.4658E-01	-4.2539E-02
15	15	1	global	1.9397E+00	8.4658E-01	-4.2539E-02	1.9596E+00	9.1566E-01	-4.2539E-02
16	16	1	global	1.9596E+00	9.1566E-01	-4.2539E-02	1.9788E+00	4.3782E+00	-4.2539E-02
17	17	1	global	1.9788E+00	4.3782E+00	-4.2539E-02	1.9974E+00	1.0620E+00	-4.2539E-02
18	18	1	global	1.9974E+00	1.0620E+00	-4.2539E-02	2.0155E+00	1.0918E+01	-4.2539E-02

19 19 1 global 2.0155E+00 1.0918E+01 -4.2539E-02 2.0329E+00 5.4052E+00 -4.2539E-02

\*\*\* D I S P L A C E M E N T S \*\*\*

NODE	X-displ.	Y-displ.	Z-displ.	XX-rotat.	YY-rotat.	ZZ-rotat.
1	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
2	2.8633E-03	6.0286E-03	-3.5576E-05	-5.2919E-03	2.5027E-03	0.0000E+00
3	1.1386E-02	2.4182E-02	-6.9813E-05	-1.0811E-02	5.0478E-03	0.0000E+00
4	1.4167E-02	3.0147E-02	-7.7485E-05	-1.2123E-02	5.6436E-03	0.0000E+00
5	2.5613E-02	5.4861E-02	-1.0241E-04	-1.6540E-02	7.6269E-03	0.0000E+00
6	4.5693E-02	9.8688E-02	-1.3378E-04	-2.2448E-02	1.0230E-02	0.0000E+00
7	7.1621E-02	1.5592E-01	-1.6393E-04	-2.8482E-02	1.2840E-02	0.0000E+00
8	9.2911E-02	2.0323E-01	-1.7389E-04	-3.0613E-02	1.3750E-02	0.0000E+00
9	1.2657E-01	2.7856E-01	-1.9948E-04	-3.6438E-02	1.6210E-02	0.0000E+00
10	1.6566E-01	3.6682E-01	-2.2370E-04	-4.2124E-02	1.8584E-02	0.0000E+00
11	2.0991E-01	4.6749E-01	-2.4657E-04	-4.7481E-02	2.0806E-02	0.0000E+00
12	2.5887E-01	5.7954E-01	-2.6809E-04	-5.2234E-02	2.2771E-02	0.0000E+00
13	3.1179E-01	7.0120E-01	-2.8753E-04	-5.6033E-02	2.4322E-02	0.0000E+00
14	3.4060E-01	7.6891E-01	-2.9819E-04	-7.8367E-02	3.2800E-02	0.0000E+00
15	3.7646E-01	8.5602E-01	-3.0830E-04	-9.4922E-02	3.8501E-02	0.0000E+00
16	4.1686E-01	9.5694E-01	-3.1788E-04	-1.0606E-01	4.1969E-02	0.0000E+00
17	4.5984E-01	1.0666E+00	-3.2500E-04	-1.1249E-01	4.3755E-02	0.0000E+00
18	5.0399E-01	1.1806E+00	-3.3158E-04	-1.1504E-01	4.4415E-02	0.0000E+00
19	5.4848E-01	1.2959E+00	-3.3281E-04	-1.1535E-01	4.4509E-02	0.0000E+00

\*\*\* P O I N T F O R C E S & R E A C T I O N S \*\*\*

NODE	Fx	Fy	Fz	Mxx	Myy	Mzz
1	-3.1668E+01	-5.1892E+01	5.6698E+01	1.1879E+03	-5.6908E+02	0.0000E+00
2	0.0000E+00	0.0000E+00	-4.6769E-01	0.0000E+00	0.0000E+00	0.0000E+00
3	0.0000E+00	0.0000E+00	-7.7736E-01	0.0000E+00	0.0000E+00	0.0000E+00
4	0.0000E+00	0.0000E+00	-1.2560E-01	0.0000E+00	0.0000E+00	0.0000E+00
5	0.0000E+00	0.0000E+00	-3.0301E-01	0.0000E+00	0.0000E+00	0.0000E+00
6	0.0000E+00	0.0000E+00	-3.3217E-01	0.0000E+00	0.0000E+00	0.0000E+00
7	0.0000E+00	0.0000E+00	-4.3933E-01	0.0000E+00	0.0000E+00	0.0000E+00
8	0.0000E+00	0.0000E+00	-4.3931E-01	0.0000E+00	0.0000E+00	0.0000E+00
9	0.0000E+00	0.0000E+00	-3.3217E-01	0.0000E+00	0.0000E+00	0.0000E+00
10	0.0000E+00	0.0000E+00	-3.3217E-01	0.0000E+00	0.0000E+00	0.0000E+00
11	0.0000E+00	0.0000E+00	-3.3218E-01	0.0000E+00	0.0000E+00	0.0000E+00
12	0.0000E+00	0.0000E+00	-9.3483E-01	0.0000E+00	0.0000E+00	0.0000E+00
13	0.0000E+00	0.0000E+00	-5.6095E+00	0.0000E+00	0.0000E+00	0.0000E+00
14	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
15	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
16	0.0000E+00	0.0000E+00	-1.6200E+00	0.0000E+00	0.0000E+00	0.0000E+00
17	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
18	0.0000E+00	0.0000E+00	-4.0500E+00	0.0000E+00	0.0000E+00	0.0000E+00
19	0.0000E+00	0.0000E+00	-8.1004E-01	0.0000E+00	0.0000E+00	0.0000E+00

TOTAL -3.1668E+01 -5.1892E+01 3.9793E+01 1.1879E+03 -5.6908E+02 0.0000E+00

\*\*\* M E M B E R F O R C E S \*\*\*

\* positive sign For tension axial forces \*

ELEMENT	NODE	DIST	AXIAL R1	SHEAR R2	SHEAR R3	TORSION M1	BENDING M2	BENDING M3
1	1	0.0000E+00	-5.6698E+01	5.1892E+01	-3.1668E+01	0.0000E+00	5.6908E+02	1.1879E+03
	2	2.2400E+00	-5.2437E+01	5.1858E+01	-2.9870E+01	0.0000E+00	5.0018E+02	1.0716E+03
2	2	0.0000E+00	-5.1970E+01	5.1858E+01	-2.9870E+01	0.0000E+00	5.0018E+02	1.0716E+03
	3	2.2400E+00	-4.7917E+01	5.1669E+01	-2.8143E+01	0.0000E+00	4.3521E+02	9.5564E+02
3	3	0.0000E+00	-4.7139E+01	5.1671E+01	-2.8158E+01	0.0000E+00	4.3522E+02	9.5565E+02
	4	5.2000E-01	-4.6228E+01	5.1600E+01	-2.7769E+01	0.0000E+00	4.2068E+02	9.2880E+02
4	4	0.0000E+00	-4.6103E+01	5.1599E+01	-2.7754E+01	0.0000E+00	4.2068E+02	9.2880E+02

	5	1.7200E+00	-4.3169E+01	5.1273E+01	-2.6450E+01	0.0000E+00	3.7405E+02	8.4030E+02
5	5	0.0000E+00	-4.2866E+01	5.1271E+01	-2.6450E+01	0.0000E+00	3.7405E+02	8.4030E+02
	6	2.2400E+00	-3.9230E+01	5.0535E+01	-2.4680E+01	0.0000E+00	3.1678E+02	7.2621E+02
6	6	0.0000E+00	-3.8898E+01	5.0536E+01	-2.4680E+01	0.0000E+00	3.1678E+02	7.2621E+02
	7	2.2400E+00	-3.5470E+01	4.9356E+01	-2.2866E+01	0.0000E+00	2.6352E+02	6.1423E+02
7	7	0.0000E+00	-1.7474E+01	2.4566E+01	-1.1544E+01	0.0000E+00	1.2929E+02	3.0126E+02
	8	1.6000E+00	-1.5153E+01	2.2856E+01	-1.0241E+01	0.0000E+00	1.1186E+02	2.6314E+02
8	7	0.0000E+00	-1.7558E+01	2.4794E+01	-1.1324E+01	0.0000E+00	1.3423E+02	3.1298E+02
	8	1.6000E+00	-1.5495E+01	2.4794E+01	-1.1324E+01	0.0000E+00	1.1611E+02	2.7331E+02
9	8	0.0000E+00	-3.0208E+01	4.7646E+01	-2.1564E+01	0.0000E+00	2.2798E+02	5.3645E+02
	9	2.2400E+00	-2.7096E+01	4.4837E+01	-1.9762E+01	0.0000E+00	1.8170E+02	4.3307E+02
10	9	0.0000E+00	-2.6764E+01	4.4836E+01	-1.9762E+01	0.0000E+00	1.8170E+02	4.3307E+02
	10	2.2400E+00	-2.3859E+01	4.2302E+01	-1.8009E+01	0.0000E+00	1.3941E+02	3.3538E+02
11	10	0.0000E+00	-2.3527E+01	4.2304E+01	-1.8008E+01	0.0000E+00	1.3941E+02	3.3538E+02
	11	2.2400E+00	-2.0831E+01	3.9228E+01	-1.6324E+01	0.0000E+00	1.0097E+02	2.4396E+02
12	11	0.0000E+00	-2.0499E+01	3.9223E+01	-1.6326E+01	0.0000E+00	1.0097E+02	2.4396E+02
	12	2.2400E+00	-1.8012E+01	3.5202E+01	-1.4726E+01	0.0000E+00	6.6210E+01	1.6035E+02
13	12	0.0000E+00	-1.7077E+01	3.5206E+01	-1.4724E+01	0.0000E+00	6.6210E+01	1.6035E+02
	13	2.2400E+00	-1.4798E+01	2.4539E+01	-1.1867E+01	0.0000E+00	3.5943E+01	9.1205E+01
14	13	0.0000E+00	-9.1886E+00	2.4538E+01	-1.1868E+01	0.0000E+00	3.5943E+01	9.1206E+01
	14	1.0000E+00	-8.7372E+00	2.0400E+01	-9.9382E+00	0.0000E+00	2.5038E+01	6.9285E+01
15	14	0.0000E+00	-8.7372E+00	2.0402E+01	-9.9373E+00	0.0000E+00	2.5038E+01	6.9286E+01
	15	1.0000E+00	-8.2857E+00	1.9521E+01	-7.9876E+00	0.0000E+00	1.6074E+01	4.9319E+01
16	15	0.0000E+00	-8.2858E+00	1.9517E+01	-7.9882E+00	0.0000E+00	1.6074E+01	4.9319E+01
	16	1.0000E+00	-7.8344E+00	1.6870E+01	-6.0190E+00	0.0000E+00	9.0686E+00	3.0836E+01
17	16	0.0000E+00	-6.2143E+00	1.6871E+01	-6.0187E+00	0.0000E+00	9.0687E+00	3.0835E+01
	17	1.0000E+00	-5.7629E+00	1.4151E+01	-4.0306E+00	0.0000E+00	4.0425E+00	1.5600E+01
18	17	0.0000E+00	-5.7629E+00	1.4154E+01	-4.0307E+00	0.0000E+00	4.0425E+00	1.5601E+01
	18	1.0000E+00	-5.3115E+00	8.1639E+00	-2.0242E+00	0.0000E+00	1.0135E+00	3.6205E+00
19	18	0.0000E+00	-1.2614E+00	8.1605E+00	-2.0237E+00	0.0000E+00	1.0133E+00	3.6208E+00
	19	1.0000E+00	-8.1003E-01	-1.3744E-03	5.2983E-04	0.0000E+00	2.6252E-04	6.7264E-04

=====  
LOAD COMBINATION : 2

SLU 2  
=====

LOAD CASE	FACTOR
1	1.30000
2	1.50000
3	0.90000
4	1.50000
5	0.00000
6	0.00000

GRAVITY LOAD ACTIVE In Global -Z DIRECTION

\*\*\* SPAN LOADS DUE TO SELF WEIGHT \*\*\*

elem.	elem.	Step	Qx i	Qy i	Qz i	Qx j	Qy j	Qz j
1	1	1	0.0000E+00	0.0000E+00	-1.6696E+00	0.0000E+00	0.0000E+00	-1.6696E+00
2	2	1	0.0000E+00	0.0000E+00	-1.5879E+00	0.0000E+00	0.0000E+00	-1.5879E+00
3	3	1	0.0000E+00	0.0000E+00	-1.5376E+00	0.0000E+00	0.0000E+00	-1.5376E+00
4	4	1	0.0000E+00	0.0000E+00	-1.4967E+00	0.0000E+00	0.0000E+00	-1.4967E+00
5	5	1	0.0000E+00	0.0000E+00	-1.4244E+00	0.0000E+00	0.0000E+00	-1.4244E+00
6	6	1	0.0000E+00	0.0000E+00	-1.3427E+00	0.0000E+00	0.0000E+00	-1.3427E+00
7	7	1	0.0000E+00	0.0000E+00	-1.2726E+00	0.0000E+00	0.0000E+00	-1.2726E+00
8	8	1	0.0000E+00	0.0000E+00	-1.2892E+00	0.0000E+00	0.0000E+00	-1.2892E+00
9	9	1	0.0000E+00	0.0000E+00	-1.2192E+00	0.0000E+00	0.0000E+00	-1.2192E+00
10	10	1	0.0000E+00	0.0000E+00	-1.1374E+00	0.0000E+00	0.0000E+00	-1.1374E+00
11	11	1	0.0000E+00	0.0000E+00	-1.0557E+00	0.0000E+00	0.0000E+00	-1.0557E+00
12	12	1	0.0000E+00	0.0000E+00	-9.7396E-01	0.0000E+00	0.0000E+00	-9.7396E-01
13	13	1	0.0000E+00	0.0000E+00	-8.9221E-01	0.0000E+00	0.0000E+00	-8.9221E-01
14	14	1	0.0000E+00	0.0000E+00	-4.0887E-01	0.0000E+00	0.0000E+00	-4.0887E-01
15	15	1	0.0000E+00	0.0000E+00	-4.0887E-01	0.0000E+00	0.0000E+00	-4.0887E-01
16	16	1	0.0000E+00	0.0000E+00	-4.0887E-01	0.0000E+00	0.0000E+00	-4.0887E-01
17	17	1	0.0000E+00	0.0000E+00	-4.0887E-01	0.0000E+00	0.0000E+00	-4.0887E-01
18	18	1	0.0000E+00	0.0000E+00	-4.0887E-01	0.0000E+00	0.0000E+00	-4.0887E-01
19	19	1	0.0000E+00	0.0000E+00	-4.0887E-01	0.0000E+00	0.0000E+00	-4.0887E-01

\*\*\* P O I N T L O A D S \*\*\*

NODE	Fx	Fy	Fz	Mxx	Myy	Mzz
2	0.0000E+00	0.0000E+00	-4.6770E-01	0.0000E+00	0.0000E+00	0.0000E+00
3	0.0000E+00	0.0000E+00	-7.7739E-01	0.0000E+00	0.0000E+00	0.0000E+00
4	0.0000E+00	0.0000E+00	-1.2562E-01	0.0000E+00	0.0000E+00	0.0000E+00
5	0.0000E+00	0.0000E+00	-3.0303E-01	0.0000E+00	0.0000E+00	0.0000E+00
6	0.0000E+00	0.0000E+00	-3.3219E-01	0.0000E+00	0.0000E+00	0.0000E+00
7	0.0000E+00	0.0000E+00	-4.3937E-01	0.0000E+00	0.0000E+00	0.0000E+00
8	0.0000E+00	0.0000E+00	-4.3933E-01	0.0000E+00	0.0000E+00	0.0000E+00
9	0.0000E+00	0.0000E+00	-3.3219E-01	0.0000E+00	0.0000E+00	0.0000E+00
10	0.0000E+00	0.0000E+00	-3.3220E-01	0.0000E+00	0.0000E+00	0.0000E+00
11	0.0000E+00	0.0000E+00	-3.3221E-01	0.0000E+00	0.0000E+00	0.0000E+00
12	0.0000E+00	0.0000E+00	-9.3484E-01	0.0000E+00	0.0000E+00	0.0000E+00
13	0.0000E+00	0.0000E+00	-5.6096E+00	0.0000E+00	0.0000E+00	0.0000E+00
16	0.0000E+00	0.0000E+00	-1.6201E+00	0.0000E+00	0.0000E+00	0.0000E+00
18	0.0000E+00	0.0000E+00	-4.0501E+00	0.0000E+00	0.0000E+00	0.0000E+00
19	0.0000E+00	0.0000E+00	-8.1009E-01	0.0000E+00	0.0000E+00	0.0000E+00

\*\*\* S P A N L O A D S \*\*\*

elem.	elem.	step	Gen. context	Qx i	Qy i	Qz i	Qx j	Qy j	Qz j
1	1	1	global	5.0437E-01	0.0000E+00	-4.6541E-01	4.7979E-01	1.8457E-02	-4.6541E-01
2	2	1	global	4.8053E-01	1.8457E-02	-4.4280E-01	4.6537E-01	8.2824E-02	-4.4280E-01
3	3	1	global	4.6585E-01	8.2824E-02	-4.2887E-01	4.5353E-01	8.1236E-02	-4.2887E-01
4	4	1	global	4.5393E-01	8.1236E-02	-4.1756E-01	4.7738E-01	1.4625E-01	-4.1756E-01
5	5	1	global	4.7819E-01	1.4625E-01	-3.9758E-01	4.9409E-01	2.4781E-01	-3.9758E-01
6	6	1	global	4.9514E-01	2.4781E-01	-3.7497E-01	5.0232E-01	3.8423E-01	-3.7497E-01
7	7	1	global	5.0334E-01	3.8423E-01	-3.5558E-01	5.0162E-01	8.9889E-01	-3.5558E-01
8	8	1	global	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
9	9	1	global	5.0248E-01	8.9889E-01	-3.4079E-01	4.9119E-01	6.0595E-01	-3.4079E-01
10	10	1	global	4.9261E-01	6.0595E-01	-3.1818E-01	4.7556E-01	7.5137E-01	-3.1818E-01
11	11	1	global	4.7715E-01	7.5137E-01	-2.9557E-01	4.5542E-01	8.9691E-01	-2.9557E-01
12	12	1	global	4.5719E-01	8.9691E-01	-2.7296E-01	4.3154E-01	1.2571E+00	-2.7296E-01
13	13	1	global	4.3352E-01	1.2571E+00	-2.5035E-01	1.1583E+00	4.4574E+00	-2.5035E-01
14	14	1	global	1.2834E+00	4.4574E+00	-8.5078E-02	1.2971E+00	5.0795E-01	-8.5078E-02
15	15	1	global	1.2971E+00	5.0795E-01	-8.5078E-02	1.3104E+00	5.4940E-01	-8.5078E-02
16	16	1	global	1.3104E+00	5.4940E-01	-8.5078E-02	1.3233E+00	2.6269E+00	-8.5078E-02
17	17	1	global	1.3233E+00	2.6269E+00	-8.5078E-02	1.3357E+00	6.3717E-01	-8.5078E-02
18	18	1	global	1.3357E+00	6.3717E-01	-8.5078E-02	1.3478E+00	6.5511E+00	-8.5078E-02
19	19	1	global	1.3478E+00	6.5511E+00	-8.5078E-02	1.3595E+00	3.2431E+00	-8.5078E-02

\*\*\* D I S P L A C E M E N T S \*\*\*

NODE	X-displ.	Y-displ.	Z-displ.	XX-rotat.	YY-rotat.	ZZ-rotat.
1	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
2	1.8548E-03	3.6171E-03	-3.8371E-05	-3.1752E-03	1.6218E-03	0.0000E+00
3	7.3810E-03	1.4509E-02	-7.5199E-05	-6.4869E-03	3.2746E-03	0.0000E+00
4	9.1851E-03	1.8088E-02	-8.3442E-05	-7.2740E-03	3.6621E-03	0.0000E+00
5	1.6616E-02	3.2916E-02	-1.1018E-04	-9.9240E-03	4.9534E-03	0.0000E+00
6	2.9666E-02	5.9213E-02	-1.4372E-04	-1.3469E-02	6.6521E-03	0.0000E+00
7	4.6537E-02	9.3550E-02	-1.7581E-04	-1.7089E-02	8.3600E-03	0.0000E+00
8	6.0402E-02	1.2194E-01	-1.8640E-04	-1.8368E-02	8.9567E-03	0.0000E+00
9	8.2344E-02	1.6714E-01	-2.1352E-04	-2.1863E-02	1.0575E-02	0.0000E+00
10	1.0786E-01	2.2009E-01	-2.3904E-04	-2.5274E-02	1.2141E-02	0.0000E+00
11	1.3679E-01	2.8050E-01	-2.6294E-04	-2.8489E-02	1.3612E-02	0.0000E+00
12	1.6885E-01	3.4773E-01	-2.8523E-04	-3.1340E-02	1.4918E-02	0.0000E+00
13	2.0354E-01	4.2072E-01	-3.0516E-04	-3.3620E-02	1.5954E-02	0.0000E+00
14	2.2250E-01	4.6135E-01	-3.1609E-04	-4.7020E-02	2.1623E-02	0.0000E+00
15	2.4617E-01	5.1361E-01	-3.2643E-04	-5.6953E-02	2.5435E-02	0.0000E+00
16	2.7287E-01	5.7417E-01	-3.3619E-04	-6.3638E-02	2.7754E-02	0.0000E+00
17	3.0130E-01	6.3994E-01	-3.4344E-04	-6.7494E-02	2.8949E-02	0.0000E+00
18	3.3052E-01	7.0837E-01	-3.5009E-04	-6.9022E-02	2.9390E-02	0.0000E+00
19	3.5995E-01	7.7754E-01	-3.5135E-04	-6.9212E-02	2.9453E-02	0.0000E+00

\*\*\* POINT FORCES & REACTIONS \*\*\*

NODE	Fx	Fy	Fz	Mxx	Myy	Mzz
1	-2.0167E+01	-3.1135E+01	6.1247E+01	7.1271E+02	-3.6840E+02	0.0000E+00
2	0.0000E+00	0.0000E+00	-4.6770E-01	0.0000E+00	0.0000E+00	0.0000E+00
3	0.0000E+00	0.0000E+00	-7.7739E-01	0.0000E+00	0.0000E+00	0.0000E+00
4	0.0000E+00	0.0000E+00	-1.2562E-01	0.0000E+00	0.0000E+00	0.0000E+00
5	0.0000E+00	0.0000E+00	-3.0303E-01	0.0000E+00	0.0000E+00	0.0000E+00
6	0.0000E+00	0.0000E+00	-3.3219E-01	0.0000E+00	0.0000E+00	0.0000E+00
7	0.0000E+00	0.0000E+00	-4.3937E-01	0.0000E+00	0.0000E+00	0.0000E+00
8	0.0000E+00	0.0000E+00	-4.3933E-01	0.0000E+00	0.0000E+00	0.0000E+00
9	0.0000E+00	0.0000E+00	-3.3219E-01	0.0000E+00	0.0000E+00	0.0000E+00
10	0.0000E+00	0.0000E+00	-3.3220E-01	0.0000E+00	0.0000E+00	0.0000E+00
11	0.0000E+00	0.0000E+00	-3.3221E-01	0.0000E+00	0.0000E+00	0.0000E+00
12	0.0000E+00	0.0000E+00	-9.3484E-01	0.0000E+00	0.0000E+00	0.0000E+00
13	0.0000E+00	0.0000E+00	-5.6096E+00	0.0000E+00	0.0000E+00	0.0000E+00
14	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
15	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
16	0.0000E+00	0.0000E+00	-1.6201E+00	0.0000E+00	0.0000E+00	0.0000E+00
17	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
18	0.0000E+00	0.0000E+00	-4.0501E+00	0.0000E+00	0.0000E+00	0.0000E+00
19	0.0000E+00	0.0000E+00	-8.1009E-01	0.0000E+00	0.0000E+00	0.0000E+00
TOTAL	-2.0167E+01	-3.1135E+01	4.4341E+01	7.1271E+02	-3.6840E+02	0.0000E+00

\*\*\* MEMBER FORCES \*\*\*

\* positive sign For tension axial forces \*

ELEMENT	NODE	DIST	AXIAL R1	SHEAR R2	SHEAR R3	TORSION M1	BENDING M2	BENDING M3
1	1	0.0000E+00	-6.1247E+01	3.1135E+01	-2.0167E+01	0.0000E+00	3.6840E+02	7.1271E+02
	2	2.2400E+00	-5.6464E+01	3.1115E+01	-1.9065E+01	0.0000E+00	3.2447E+02	6.4298E+02
2	2	0.0000E+00	-5.5997E+01	3.1115E+01	-1.9065E+01	0.0000E+00	3.2447E+02	6.4298E+02
	3	2.2400E+00	-5.1448E+01	3.1001E+01	-1.8006E+01	0.0000E+00	2.8296E+02	5.7339E+02
3	3	0.0000E+00	-5.0670E+01	3.0984E+01	-1.7988E+01	0.0000E+00	2.8295E+02	5.7338E+02
	4	5.2000E-01	-4.9648E+01	3.0941E+01	-1.7749E+01	0.0000E+00	2.7366E+02	5.5728E+02
4	4	0.0000E+00	-4.9522E+01	3.0958E+01	-1.7767E+01	0.0000E+00	2.7366E+02	5.5728E+02
	5	1.7200E+00	-4.6230E+01	3.0762E+01	-1.6966E+01	0.0000E+00	2.4378E+02	5.0418E+02
5	5	0.0000E+00	-4.5927E+01	3.0763E+01	-1.6966E+01	0.0000E+00	2.4378E+02	5.0418E+02
	6	2.2400E+00	-4.1845E+01	3.0322E+01	-1.5877E+01	0.0000E+00	2.0699E+02	4.3572E+02

6	6	0.0000E+00	-4.1513E+01	3.0322E+01	-1.5877E+01	0.0000E+00	2.0699E+02	4.3572E+02
	7	2.2400E+00	-3.7666E+01	2.9614E+01	-1.4760E+01	0.0000E+00	1.7267E+02	3.6854E+02
7	7	0.0000E+00	-1.8636E+01	1.4739E+01	-7.4420E+00	0.0000E+00	8.4714E+01	1.8075E+02
	8	1.6000E+00	-1.6031E+01	1.3712E+01	-6.6380E+00	0.0000E+00	7.3451E+01	1.5788E+02
8	7	0.0000E+00	-1.8591E+01	1.4875E+01	-7.3187E+00	0.0000E+00	8.7961E+01	1.8779E+02
	8	1.6000E+00	-1.6528E+01	1.4875E+01	-7.3187E+00	0.0000E+00	7.6251E+01	1.6399E+02
9	8	0.0000E+00	-3.2119E+01	2.8588E+01	-1.3955E+01	0.0000E+00	1.4970E+02	3.2187E+02
	9	2.2400E+00	-2.8625E+01	2.6903E+01	-1.2843E+01	0.0000E+00	1.1969E+02	2.5984E+02
10	9	0.0000E+00	-2.8293E+01	2.6899E+01	-1.2843E+01	0.0000E+00	1.1969E+02	2.5984E+02
	10	2.2400E+00	-2.5032E+01	2.5379E+01	-1.1759E+01	0.0000E+00	9.2145E+01	2.0123E+02
11	10	0.0000E+00	-2.4700E+01	2.5383E+01	-1.1759E+01	0.0000E+00	9.2146E+01	2.0123E+02
	11	2.2400E+00	-2.1673E+01	2.3537E+01	-1.0715E+01	0.0000E+00	6.6985E+01	1.4638E+02
12	11	0.0000E+00	-2.1341E+01	2.3534E+01	-1.0713E+01	0.0000E+00	6.6984E+01	1.4638E+02
	12	2.2400E+00	-1.8548E+01	2.1121E+01	-9.7173E+00	0.0000E+00	4.4113E+01	9.6211E+01
13	12	0.0000E+00	-1.7613E+01	2.1124E+01	-9.7189E+00	0.0000E+00	4.4112E+01	9.6210E+01
	13	2.2400E+00	-1.5053E+01	1.4724E+01	-7.9361E+00	0.0000E+00	2.4035E+01	5.4722E+01
14	13	0.0000E+00	-9.4439E+00	1.4723E+01	-7.9363E+00	0.0000E+00	2.4036E+01	5.4724E+01
	14	1.0000E+00	-8.9500E+00	1.2241E+01	-6.6461E+00	0.0000E+00	1.6744E+01	4.1571E+01
15	14	0.0000E+00	-8.9500E+00	1.2240E+01	-6.6453E+00	0.0000E+00	1.6744E+01	4.1571E+01
	15	1.0000E+00	-8.4560E+00	1.1711E+01	-5.3415E+00	0.0000E+00	1.0749E+01	2.9592E+01
16	15	0.0000E+00	-8.4560E+00	1.1711E+01	-5.3419E+00	0.0000E+00	1.0749E+01	2.9592E+01
	16	1.0000E+00	-7.9621E+00	1.0123E+01	-4.0250E+00	0.0000E+00	6.0645E+00	1.8501E+01
17	16	0.0000E+00	-6.3420E+00	1.0122E+01	-4.0251E+00	0.0000E+00	6.0646E+00	1.8501E+01
	17	1.0000E+00	-5.8481E+00	8.4902E+00	-2.6955E+00	0.0000E+00	2.7033E+00	9.3604E+00
18	17	0.0000E+00	-5.8481E+00	8.4915E+00	-2.6947E+00	0.0000E+00	2.7030E+00	9.3600E+00
	18	1.0000E+00	-5.3541E+00	4.8973E+00	-1.3529E+00	0.0000E+00	6.7816E-01	2.1728E+00
19	18	0.0000E+00	-1.3040E+00	4.8983E+00	-1.3536E+00	0.0000E+00	6.7775E-01	2.1735E+00
	19	1.0000E+00	-8.1009E-01	1.1585E-03	8.4349E-05	0.0000E+00	4.3270E-05	-5.8798E-04

LOAD COMBINATION : 3

SLE rara 1

LOAD CASE	FACTOR
1	1.00000
2	1.00000
3	1.00000
4	0.50000
5	0.00000
6	0.00000

GRAVITY LOAD ACTIVE In Global -Z DIRECTION

\*\*\* SPAN LOADS DUE TO SELF WEIGHT \*\*\*

elem.	elem.	Step	Qx i	Qy i	Qz i	Qx j	Qy j	Qz j
-------	-------	------	------	------	------	------	------	------

1	1	1	0.0000E+00	0.0000E+00	-1.2843E+00	0.0000E+00	0.0000E+00	-1.2843E+00
2	2	1	0.0000E+00	0.0000E+00	-1.2215E+00	0.0000E+00	0.0000E+00	-1.2215E+00
3	3	1	0.0000E+00	0.0000E+00	-1.1827E+00	0.0000E+00	0.0000E+00	-1.1827E+00
4	4	1	0.0000E+00	0.0000E+00	-1.1513E+00	0.0000E+00	0.0000E+00	-1.1513E+00
5	5	1	0.0000E+00	0.0000E+00	-1.0957E+00	0.0000E+00	0.0000E+00	-1.0957E+00
6	6	1	0.0000E+00	0.0000E+00	-1.0328E+00	0.0000E+00	0.0000E+00	-1.0328E+00
7	7	1	0.0000E+00	0.0000E+00	-9.7893E-01	0.0000E+00	0.0000E+00	-9.7893E-01
8	8	1	0.0000E+00	0.0000E+00	-9.9171E-01	0.0000E+00	0.0000E+00	-9.9171E-01
9	9	1	0.0000E+00	0.0000E+00	-9.3782E-01	0.0000E+00	0.0000E+00	-9.3782E-01
10	10	1	0.0000E+00	0.0000E+00	-8.7495E-01	0.0000E+00	0.0000E+00	-8.7495E-01
11	11	1	0.0000E+00	0.0000E+00	-8.1208E-01	0.0000E+00	0.0000E+00	-8.1208E-01
12	12	1	0.0000E+00	0.0000E+00	-7.4920E-01	0.0000E+00	0.0000E+00	-7.4920E-01
13	13	1	0.0000E+00	0.0000E+00	-6.8632E-01	0.0000E+00	0.0000E+00	-6.8632E-01
14	14	1	0.0000E+00	0.0000E+00	-3.1451E-01	0.0000E+00	0.0000E+00	-3.1451E-01
15	15	1	0.0000E+00	0.0000E+00	-3.1451E-01	0.0000E+00	0.0000E+00	-3.1451E-01
16	16	1	0.0000E+00	0.0000E+00	-3.1451E-01	0.0000E+00	0.0000E+00	-3.1451E-01
17	17	1	0.0000E+00	0.0000E+00	-3.1451E-01	0.0000E+00	0.0000E+00	-3.1451E-01
18	18	1	0.0000E+00	0.0000E+00	-3.1451E-01	0.0000E+00	0.0000E+00	-3.1451E-01
19	19	1	0.0000E+00	0.0000E+00	-3.1451E-01	0.0000E+00	0.0000E+00	-3.1451E-01

\*\*\* P O I N T L O A D S \*\*\*

NODE	Fx	Fy	Fz	Mxx	Myy	Mzz
2	0.0000E+00	0.0000E+00	-3.1179E-01	0.0000E+00	0.0000E+00	0.0000E+00
3	0.0000E+00	0.0000E+00	-5.1824E-01	0.0000E+00	0.0000E+00	0.0000E+00
4	0.0000E+00	0.0000E+00	-8.3733E-02	0.0000E+00	0.0000E+00	0.0000E+00
5	0.0000E+00	0.0000E+00	-2.0201E-01	0.0000E+00	0.0000E+00	0.0000E+00
6	0.0000E+00	0.0000E+00	-2.2144E-01	0.0000E+00	0.0000E+00	0.0000E+00
7	0.0000E+00	0.0000E+00	-2.9289E-01	0.0000E+00	0.0000E+00	0.0000E+00
8	0.0000E+00	0.0000E+00	-2.9287E-01	0.0000E+00	0.0000E+00	0.0000E+00
9	0.0000E+00	0.0000E+00	-2.2145E-01	0.0000E+00	0.0000E+00	0.0000E+00
10	0.0000E+00	0.0000E+00	-2.2145E-01	0.0000E+00	0.0000E+00	0.0000E+00
11	0.0000E+00	0.0000E+00	-2.2145E-01	0.0000E+00	0.0000E+00	0.0000E+00
12	0.0000E+00	0.0000E+00	-6.2322E-01	0.0000E+00	0.0000E+00	0.0000E+00
13	0.0000E+00	0.0000E+00	-3.7397E+00	0.0000E+00	0.0000E+00	0.0000E+00
16	0.0000E+00	0.0000E+00	-1.0800E+00	0.0000E+00	0.0000E+00	0.0000E+00
18	0.0000E+00	0.0000E+00	-2.7000E+00	0.0000E+00	0.0000E+00	0.0000E+00
19	0.0000E+00	0.0000E+00	-5.4003E-01	0.0000E+00	0.0000E+00	0.0000E+00

\*\*\* S P A N L O A D S \*\*\*

elem.	First elem.	Last step	Gen. context	Qx i	Qy i	Qz i	Qx j	Qy j	Qz j
1	1	1	global	5.4860E-01	0.0000E+00	-1.5514E-01	5.2187E-01	2.0508E-02	-1.5514E-01
2	2	1	global	5.2211E-01	2.0508E-02	-1.4760E-01	5.0564E-01	9.2027E-02	-1.4760E-01
3	3	1	global	5.0580E-01	9.2027E-02	-1.4296E-01	4.9242E-01	9.0262E-02	-1.4296E-01
4	4	1	global	4.9255E-01	9.0262E-02	-1.3919E-01	5.1800E-01	1.6250E-01	-1.3919E-01
5	5	1	global	5.1827E-01	1.6250E-01	-1.3253E-01	5.3551E-01	2.7535E-01	-1.3253E-01
6	6	1	global	5.3586E-01	2.7535E-01	-1.2499E-01	5.4363E-01	4.2692E-01	-1.2499E-01
7	7	1	global	5.4397E-01	4.2692E-01	-1.1853E-01	5.4211E-01	9.9877E-01	-1.1853E-01
8	8	1	global	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
9	9	1	global	5.4240E-01	9.9877E-01	-1.1360E-01	5.3021E-01	6.7328E-01	-1.1360E-01
10	10	1	global	5.3069E-01	6.7328E-01	-1.0606E-01	5.1231E-01	8.3486E-01	-1.0606E-01
11	11	1	global	5.1284E-01	8.3486E-01	-9.8524E-02	4.8949E-01	9.9656E-01	-9.8524E-02
12	12	1	global	4.9008E-01	9.9656E-01	-9.0987E-02	4.6259E-01	1.3968E+00	-9.0987E-02
13	13	1	global	4.6325E-01	1.3968E+00	-8.3450E-02	1.2377E+00	4.9527E+00	-8.3450E-02
14	14	1	global	1.2794E+00	4.9527E+00	-2.8359E-02	1.2931E+00	5.6439E-01	-2.8359E-02
15	15	1	global	1.2931E+00	5.6439E-01	-2.8359E-02	1.3064E+00	6.1044E-01	-2.8359E-02
16	16	1	global	1.3064E+00	6.1044E-01	-2.8359E-02	1.3192E+00	2.9188E+00	-2.8359E-02
17	17	1	global	1.3192E+00	2.9188E+00	-2.8359E-02	1.3316E+00	7.0797E-01	-2.8359E-02
18	18	1	global	1.3316E+00	7.0797E-01	-2.8359E-02	1.3436E+00	7.2790E+00	-2.8359E-02
19	19	1	global	1.3436E+00	7.2790E+00	-2.8359E-02	1.3553E+00	3.6035E+00	-2.8359E-02

\*\*\* D I S P L A C E M E N T S \*\*\*

NODE	X-displ.	Y-displ.	Z-displ.	XX-rotat.	YY-rotat.	ZZ-rotat.
1	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
2	1.9089E-03	4.0190E-03	-2.5949E-05	-3.5279E-03	1.6685E-03	0.0000E+00



3	7.5906E-03	1.6121E-02	-5.0863E-05	-7.2076E-03	3.3652E-03	0.0000E+00
4	9.4444E-03	2.0098E-02	-5.6443E-05	-8.0823E-03	3.7624E-03	0.0000E+00
5	1.7075E-02	3.6574E-02	-7.4542E-05	-1.1027E-02	5.0846E-03	0.0000E+00
6	3.0462E-02	6.5792E-02	-9.7256E-05	-1.4965E-02	6.8201E-03	0.0000E+00
7	4.7748E-02	1.0394E-01	-1.1901E-04	-1.8988E-02	8.5602E-03	0.0000E+00
8	6.1941E-02	1.3549E-01	-1.2616E-04	-2.0408E-02	9.1667E-03	0.0000E+00
9	8.4381E-02	1.8571E-01	-1.4440E-04	-2.4292E-02	1.0807E-02	0.0000E+00
10	1.1044E-01	2.4455E-01	-1.6155E-04	-2.8083E-02	1.2390E-02	0.0000E+00
11	1.3994E-01	3.1166E-01	-1.7763E-04	-3.1654E-02	1.3870E-02	0.0000E+00
12	1.7258E-01	3.8636E-01	-1.9261E-04	-3.4822E-02	1.5181E-02	0.0000E+00
13	2.0786E-01	4.6747E-01	-2.0600E-04	-3.7355E-02	1.6215E-02	0.0000E+00
14	2.2707E-01	5.1261E-01	-2.1338E-04	-5.2245E-02	2.1867E-02	0.0000E+00
15	2.5097E-01	5.7068E-01	-2.2035E-04	-6.3282E-02	2.5667E-02	0.0000E+00
16	2.7791E-01	6.3796E-01	-2.2691E-04	-7.0709E-02	2.7979E-02	0.0000E+00
17	3.0656E-01	7.1105E-01	-2.3178E-04	-7.4993E-02	2.9170E-02	0.0000E+00
18	3.3599E-01	7.8708E-01	-2.3624E-04	-7.6691E-02	2.9610E-02	0.0000E+00
19	3.6565E-01	8.6393E-01	-2.3709E-04	-7.6902E-02	2.9673E-02	0.0000E+00

\*\*\* POINT FORCES & REACTIONS \*\*\*

NODE	Fx	Fy	Fz	Mxx	Myy	Mzz
1	-2.1112E+01	-3.4595E+01	4.1414E+01	7.9190E+02	-3.7939E+02	0.0000E+00
2	0.0000E+00	0.0000E+00	-3.1179E-01	0.0000E+00	0.0000E+00	0.0000E+00
3	0.0000E+00	0.0000E+00	-5.1824E-01	0.0000E+00	0.0000E+00	0.0000E+00
4	0.0000E+00	0.0000E+00	-8.3733E-02	0.0000E+00	0.0000E+00	0.0000E+00
5	0.0000E+00	0.0000E+00	-2.0201E-01	0.0000E+00	0.0000E+00	0.0000E+00
6	0.0000E+00	0.0000E+00	-2.2144E-01	0.0000E+00	0.0000E+00	0.0000E+00
7	0.0000E+00	0.0000E+00	-2.9289E-01	0.0000E+00	0.0000E+00	0.0000E+00
8	0.0000E+00	0.0000E+00	-2.9287E-01	0.0000E+00	0.0000E+00	0.0000E+00
9	0.0000E+00	0.0000E+00	-2.2145E-01	0.0000E+00	0.0000E+00	0.0000E+00
10	0.0000E+00	0.0000E+00	-2.2145E-01	0.0000E+00	0.0000E+00	0.0000E+00
11	0.0000E+00	0.0000E+00	-2.2145E-01	0.0000E+00	0.0000E+00	0.0000E+00
12	0.0000E+00	0.0000E+00	-6.2322E-01	0.0000E+00	0.0000E+00	0.0000E+00
13	0.0000E+00	0.0000E+00	-3.7397E+00	0.0000E+00	0.0000E+00	0.0000E+00
14	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
15	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
16	0.0000E+00	0.0000E+00	-1.0800E+00	0.0000E+00	0.0000E+00	0.0000E+00
17	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
18	0.0000E+00	0.0000E+00	-2.7000E+00	0.0000E+00	0.0000E+00	0.0000E+00
19	0.0000E+00	0.0000E+00	-5.4003E-01	0.0000E+00	0.0000E+00	0.0000E+00
TOTAL	-2.1112E+01	-3.4595E+01	3.0144E+01	7.9190E+02	-3.7939E+02	0.0000E+00

\*\*\* MEMBER FORCES \*\*\*

\* positive sign For tension axial forces \*

ELEMENT	NODE	DIST	AXIAL R1	SHEAR R2	SHEAR R3	TORSION M1	BENDING M2	BENDING M3
1	1	0.0000E+00	-4.1414E+01	3.4595E+01	-2.1112E+01	0.0000E+00	3.7939E+02	7.9190E+02
	2	2.2400E+00	-3.8189E+01	3.4572E+01	-1.9913E+01	0.0000E+00	3.3345E+02	7.1443E+02
2	2	0.0000E+00	-3.7878E+01	3.4572E+01	-1.9913E+01	0.0000E+00	3.3345E+02	7.1443E+02
	3	2.2400E+00	-3.4811E+01	3.4446E+01	-1.8762E+01	0.0000E+00	2.9014E+02	6.3710E+02
3	3	0.0000E+00	-3.4293E+01	3.4463E+01	-1.8765E+01	0.0000E+00	2.9014E+02	6.3710E+02
	4	5.2000E-01	-3.3603E+01	3.4416E+01	-1.8506E+01	0.0000E+00	2.8045E+02	6.1919E+02
4	4	0.0000E+00	-3.3520E+01	3.4398E+01	-1.8503E+01	0.0000E+00	2.8045E+02	6.1920E+02
	5	1.7200E+00	-3.1300E+01	3.4181E+01	-1.7634E+01	0.0000E+00	2.4937E+02	5.6020E+02
5	5	0.0000E+00	-3.1098E+01	3.4181E+01	-1.7634E+01	0.0000E+00	2.4937E+02	5.6020E+02
	6	2.2400E+00	-2.8347E+01	3.3691E+01	-1.6453E+01	0.0000E+00	2.1118E+02	4.8414E+02
6	6	0.0000E+00	-2.8125E+01	3.3690E+01	-1.6453E+01	0.0000E+00	2.1118E+02	4.8414E+02
	7	2.2400E+00	-2.5532E+01	3.2904E+01	-1.5244E+01	0.0000E+00	1.7568E+02	4.0949E+02

7	7	0.0000E+00	-1.2585E+01	1.6379E+01	-7.6953E+00	0.0000E+00	8.6192E+01	2.0084E+02
	8	1.6000E+00	-1.0829E+01	1.5238E+01	-6.8265E+00	0.0000E+00	7.4575E+01	1.7542E+02
8	7	0.0000E+00	-1.2654E+01	1.6530E+01	-7.5484E+00	0.0000E+00	8.9487E+01	2.0865E+02
	8	1.6000E+00	-1.1067E+01	1.6530E+01	-7.5484E+00	0.0000E+00	7.7410E+01	1.8221E+02
9	8	0.0000E+00	-2.1603E+01	3.1763E+01	-1.4376E+01	0.0000E+00	1.5198E+02	3.5763E+02
	9	2.2400E+00	-1.9248E+01	2.9891E+01	-1.3175E+01	0.0000E+00	1.2113E+02	2.8871E+02
10	9	0.0000E+00	-1.9027E+01	2.9891E+01	-1.3174E+01	0.0000E+00	1.2113E+02	2.8871E+02
	10	2.2400E+00	-1.6829E+01	2.8202E+01	-1.2006E+01	0.0000E+00	9.2940E+01	2.2358E+02
11	10	0.0000E+00	-1.6608E+01	2.8201E+01	-1.2007E+01	0.0000E+00	9.2940E+01	2.2358E+02
	11	2.2400E+00	-1.4568E+01	2.6150E+01	-1.0884E+01	0.0000E+00	6.7312E+01	1.6264E+02
12	11	0.0000E+00	-1.4347E+01	2.6150E+01	-1.0883E+01	0.0000E+00	6.7312E+01	1.6264E+02
	12	2.2400E+00	-1.2464E+01	2.3469E+01	-9.8156E+00	0.0000E+00	4.4141E+01	1.0690E+02
13	12	0.0000E+00	-1.1841E+01	2.3471E+01	-9.8169E+00	0.0000E+00	4.4141E+01	1.0690E+02
	13	2.2400E+00	-1.0117E+01	1.6359E+01	-7.9119E+00	0.0000E+00	2.3961E+01	6.0803E+01
14	13	0.0000E+00	-6.3773E+00	1.6359E+01	-7.9111E+00	0.0000E+00	2.3961E+01	6.0804E+01
	14	1.0000E+00	-6.0344E+00	1.3600E+01	-6.6248E+00	0.0000E+00	1.6692E+01	4.6190E+01
15	14	0.0000E+00	-6.0345E+00	1.3599E+01	-6.6257E+00	0.0000E+00	1.6692E+01	4.6190E+01
	15	1.0000E+00	-5.6916E+00	1.3012E+01	-5.3259E+00	0.0000E+00	1.0716E+01	3.2880E+01
16	15	0.0000E+00	-5.6916E+00	1.3014E+01	-5.3250E+00	0.0000E+00	1.0716E+01	3.2880E+01
	16	1.0000E+00	-5.3487E+00	1.1249E+01	-4.0122E+00	0.0000E+00	6.0460E+00	2.0556E+01
17	16	0.0000E+00	-4.2687E+00	1.1247E+01	-4.0129E+00	0.0000E+00	6.0460E+00	2.0556E+01
	17	1.0000E+00	-3.9258E+00	9.4332E+00	-2.6875E+00	0.0000E+00	2.6948E+00	1.0401E+01
18	17	0.0000E+00	-3.9258E+00	9.4369E+00	-2.6871E+00	0.0000E+00	2.6950E+00	1.0401E+01
	18	1.0000E+00	-3.5829E+00	5.4434E+00	-1.3495E+00	0.0000E+00	6.7568E-01	2.4132E+00
19	18	0.0000E+00	-8.8290E-01	5.4403E+00	-1.3487E+00	0.0000E+00	6.7531E-01	2.4138E+00
	19	1.0000E+00	-5.4003E-01	-9.6959E-04	7.9303E-04	0.0000E+00	4.0158E-04	4.8397E-04

=====  
LOAD COMBINATION : 4

SLE rara 2  
=====

LOAD CASE	FACTOR
1	1.00000
2	1.00000
3	0.60000
4	1.00000
5	0.00000
6	0.00000

GRAVITY LOAD ACTIVE In Global -Z DIRECTION

\*\*\* SPAN LOADS DUE TO SELF WEIGHT \*\*\*

elem.	elem.	Step	Qx i	Qy i	Qz i	Qx j	Qy j	Qz j
1	1	1	0.0000E+00	0.0000E+00	-1.2843E+00	0.0000E+00	0.0000E+00	-1.2843E+00
2	2	1	0.0000E+00	0.0000E+00	-1.2215E+00	0.0000E+00	0.0000E+00	-1.2215E+00
3	3	1	0.0000E+00	0.0000E+00	-1.1827E+00	0.0000E+00	0.0000E+00	-1.1827E+00
4	4	1	0.0000E+00	0.0000E+00	-1.1513E+00	0.0000E+00	0.0000E+00	-1.1513E+00

5	5	1	0.0000E+00	0.0000E+00	-1.0957E+00	0.0000E+00	0.0000E+00	-1.0957E+00
6	6	1	0.0000E+00	0.0000E+00	-1.0328E+00	0.0000E+00	0.0000E+00	-1.0328E+00
7	7	1	0.0000E+00	0.0000E+00	-9.7893E-01	0.0000E+00	0.0000E+00	-9.7893E-01
8	8	1	0.0000E+00	0.0000E+00	-9.9171E-01	0.0000E+00	0.0000E+00	-9.9171E-01
9	9	1	0.0000E+00	0.0000E+00	-9.3782E-01	0.0000E+00	0.0000E+00	-9.3782E-01
10	10	1	0.0000E+00	0.0000E+00	-8.7495E-01	0.0000E+00	0.0000E+00	-8.7495E-01
11	11	1	0.0000E+00	0.0000E+00	-8.1208E-01	0.0000E+00	0.0000E+00	-8.1208E-01
12	12	1	0.0000E+00	0.0000E+00	-7.4920E-01	0.0000E+00	0.0000E+00	-7.4920E-01
13	13	1	0.0000E+00	0.0000E+00	-6.8632E-01	0.0000E+00	0.0000E+00	-6.8632E-01
14	14	1	0.0000E+00	0.0000E+00	-3.1451E-01	0.0000E+00	0.0000E+00	-3.1451E-01
15	15	1	0.0000E+00	0.0000E+00	-3.1451E-01	0.0000E+00	0.0000E+00	-3.1451E-01
16	16	1	0.0000E+00	0.0000E+00	-3.1451E-01	0.0000E+00	0.0000E+00	-3.1451E-01
17	17	1	0.0000E+00	0.0000E+00	-3.1451E-01	0.0000E+00	0.0000E+00	-3.1451E-01
18	18	1	0.0000E+00	0.0000E+00	-3.1451E-01	0.0000E+00	0.0000E+00	-3.1451E-01
19	19	1	0.0000E+00	0.0000E+00	-3.1451E-01	0.0000E+00	0.0000E+00	-3.1451E-01

\*\*\* P O I N T L O A D S \*\*\*

NODE	Fx	Fy	Fz	Mxx	Myy	Mzz
2	0.0000E+00	0.0000E+00	-3.1180E-01	0.0000E+00	0.0000E+00	0.0000E+00
3	0.0000E+00	0.0000E+00	-5.1826E-01	0.0000E+00	0.0000E+00	0.0000E+00
4	0.0000E+00	0.0000E+00	-8.3745E-02	0.0000E+00	0.0000E+00	0.0000E+00
5	0.0000E+00	0.0000E+00	-2.0202E-01	0.0000E+00	0.0000E+00	0.0000E+00
6	0.0000E+00	0.0000E+00	-2.2146E-01	0.0000E+00	0.0000E+00	0.0000E+00
7	0.0000E+00	0.0000E+00	-2.9291E-01	0.0000E+00	0.0000E+00	0.0000E+00
8	0.0000E+00	0.0000E+00	-2.9288E-01	0.0000E+00	0.0000E+00	0.0000E+00
9	0.0000E+00	0.0000E+00	-2.2146E-01	0.0000E+00	0.0000E+00	0.0000E+00
10	0.0000E+00	0.0000E+00	-2.2147E-01	0.0000E+00	0.0000E+00	0.0000E+00
11	0.0000E+00	0.0000E+00	-2.2147E-01	0.0000E+00	0.0000E+00	0.0000E+00
12	0.0000E+00	0.0000E+00	-6.2323E-01	0.0000E+00	0.0000E+00	0.0000E+00
13	0.0000E+00	0.0000E+00	-3.7397E+00	0.0000E+00	0.0000E+00	0.0000E+00
16	0.0000E+00	0.0000E+00	-1.0801E+00	0.0000E+00	0.0000E+00	0.0000E+00
18	0.0000E+00	0.0000E+00	-2.7001E+00	0.0000E+00	0.0000E+00	0.0000E+00
19	0.0000E+00	0.0000E+00	-5.4006E-01	0.0000E+00	0.0000E+00	0.0000E+00

\*\*\* S P A N L O A D S \*\*\*

elem.	First elem.	Last step	Gen. context	Qx i	Qy i	Qz i	Qx j	Qy j	Qz j
1	1	1	global	3.3624E-01	0.0000E+00	-3.1027E-01	3.1986E-01	1.2305E-02	-3.1027E-01
2	2	1	global	3.2035E-01	1.2305E-02	-2.9520E-01	3.1024E-01	5.5216E-02	-2.9520E-01
3	3	1	global	3.1056E-01	5.5216E-02	-2.8591E-01	3.0235E-01	5.4157E-02	-2.8591E-01
4	4	1	global	3.0262E-01	5.4157E-02	-2.7838E-01	3.1825E-01	9.7501E-02	-2.7838E-01
5	5	1	global	3.1879E-01	9.7501E-02	-2.6505E-01	3.2939E-01	1.6521E-01	-2.6505E-01
6	6	1	global	3.3009E-01	1.6521E-01	-2.4998E-01	3.3488E-01	2.5615E-01	-2.4998E-01
7	7	1	global	3.3556E-01	2.5615E-01	-2.3706E-01	3.3442E-01	5.9926E-01	-2.3706E-01
8	8	1	global	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
9	9	1	global	3.3499E-01	5.9926E-01	-2.2720E-01	3.2746E-01	4.0397E-01	-2.2720E-01
10	10	1	global	3.2841E-01	4.0397E-01	-2.1212E-01	3.1704E-01	5.0092E-01	-2.1212E-01
11	11	1	global	3.1810E-01	5.0092E-01	-1.9705E-01	3.0361E-01	5.9794E-01	-1.9705E-01
12	12	1	global	3.0479E-01	5.9794E-01	-1.8197E-01	2.8770E-01	8.3806E-01	-1.8197E-01
13	13	1	global	2.8901E-01	8.3806E-01	-1.6690E-01	7.7218E-01	2.9716E+00	-1.6690E-01
14	14	1	global	8.5557E-01	2.9716E+00	-5.6719E-02	8.6476E-01	3.3863E-01	-5.6719E-02
15	15	1	global	8.6476E-01	3.3863E-01	-5.6719E-02	8.7363E-01	3.6626E-01	-5.6719E-02
16	16	1	global	8.7363E-01	3.6626E-01	-5.6719E-02	8.8220E-01	1.7513E+00	-5.6719E-02
17	17	1	global	8.8220E-01	1.7513E+00	-5.6719E-02	8.9049E-01	4.2478E-01	-5.6719E-02
18	18	1	global	8.9049E-01	4.2478E-01	-5.6719E-02	8.9853E-01	4.3674E+00	-5.6719E-02
19	19	1	global	8.9853E-01	4.3674E+00	-5.6719E-02	9.0632E-01	2.1621E+00	-5.6719E-02

\*\*\* D I S P L A C E M E N T S \*\*\*

NODE	X-displ.	Y-displ.	Z-displ.	XX-rotat.	YY-rotat.	ZZ-rotat.
1	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
2	1.2366E-03	2.4114E-03	-2.7813E-05	-2.1168E-03	1.0812E-03	0.0000E+00
3	4.9207E-03	9.6729E-03	-5.4454E-05	-4.3246E-03	2.1830E-03	0.0000E+00
4	6.1234E-03	1.2059E-02	-6.0414E-05	-4.8494E-03	2.4414E-03	0.0000E+00
5	1.1077E-02	2.1944E-02	-7.9720E-05	-6.6160E-03	3.3023E-03	0.0000E+00
6	1.9777E-02	3.9475E-02	-1.0388E-04	-8.9790E-03	4.4347E-03	0.0000E+00

7	3.1025E-02	6.2367E-02	-1.2693E-04	-1.1393E-02	5.5733E-03	0.0000E+00
8	4.0268E-02	8.1293E-02	-1.3450E-04	-1.2245E-02	5.9711E-03	0.0000E+00
9	5.4896E-02	1.1142E-01	-1.5376E-04	-1.4575E-02	7.0498E-03	0.0000E+00
10	7.1908E-02	1.4673E-01	-1.7178E-04	-1.6850E-02	8.0940E-03	0.0000E+00
11	9.1195E-02	1.8700E-01	-1.8854E-04	-1.8992E-02	9.0745E-03	0.0000E+00
12	1.1256E-01	2.3182E-01	-2.0404E-04	-2.0893E-02	9.9454E-03	0.0000E+00
13	1.3569E-01	2.8048E-01	-2.1775E-04	-2.2413E-02	1.0636E-02	0.0000E+00
14	1.4833E-01	3.0756E-01	-2.2532E-04	-3.1347E-02	1.4415E-02	0.0000E+00
15	1.6411E-01	3.4241E-01	-2.3244E-04	-3.7969E-02	1.6957E-02	0.0000E+00
16	1.8191E-01	3.8278E-01	-2.3911E-04	-4.2425E-02	1.8503E-02	0.0000E+00
17	2.0087E-01	4.2663E-01	-2.4407E-04	-4.4996E-02	1.9299E-02	0.0000E+00
18	2.2034E-01	4.7225E-01	-2.4858E-04	-4.6015E-02	1.9593E-02	0.0000E+00
19	2.3997E-01	5.1836E-01	-2.4944E-04	-4.6141E-02	1.9635E-02	0.0000E+00

\*\*\* POINT FORCES & REACTIONS \*\*\*

NODE	Fx	Fy	Fz	Mxx	Myy	Mzz
1	-1.3445E+01	-2.0757E+01	4.4446E+01	4.7514E+02	-2.4560E+02	0.0000E+00
2	0.0000E+00	0.0000E+00	-3.1180E-01	0.0000E+00	0.0000E+00	0.0000E+00
3	0.0000E+00	0.0000E+00	-5.1826E-01	0.0000E+00	0.0000E+00	0.0000E+00
4	0.0000E+00	0.0000E+00	-8.3745E-02	0.0000E+00	0.0000E+00	0.0000E+00
5	0.0000E+00	0.0000E+00	-2.0202E-01	0.0000E+00	0.0000E+00	0.0000E+00
6	0.0000E+00	0.0000E+00	-2.2146E-01	0.0000E+00	0.0000E+00	0.0000E+00
7	0.0000E+00	0.0000E+00	-2.9291E-01	0.0000E+00	0.0000E+00	0.0000E+00
8	0.0000E+00	0.0000E+00	-2.9288E-01	0.0000E+00	0.0000E+00	0.0000E+00
9	0.0000E+00	0.0000E+00	-2.2146E-01	0.0000E+00	0.0000E+00	0.0000E+00
10	0.0000E+00	0.0000E+00	-2.2147E-01	0.0000E+00	0.0000E+00	0.0000E+00
11	0.0000E+00	0.0000E+00	-2.2147E-01	0.0000E+00	0.0000E+00	0.0000E+00
12	0.0000E+00	0.0000E+00	-6.2323E-01	0.0000E+00	0.0000E+00	0.0000E+00
13	0.0000E+00	0.0000E+00	-3.7397E+00	0.0000E+00	0.0000E+00	0.0000E+00
14	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
15	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
16	0.0000E+00	0.0000E+00	-1.0801E+00	0.0000E+00	0.0000E+00	0.0000E+00
17	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
18	0.0000E+00	0.0000E+00	-2.7001E+00	0.0000E+00	0.0000E+00	0.0000E+00
19	0.0000E+00	0.0000E+00	-5.4006E-01	0.0000E+00	0.0000E+00	0.0000E+00
TOTAL	-1.3445E+01	-2.0757E+01	3.3176E+01	4.7514E+02	-2.4560E+02	0.0000E+00

\*\*\* MEMBER FORCES \*\*\*

\* positive sign For tension axial forces \*

ELEMENT	NODE	DIST	AXIAL R1	SHEAR R2	SHEAR R3	TORSION M1	BENDING M2	BENDING M3
1	1	0.0000E+00	-4.4446E+01	2.0757E+01	-1.3445E+01	0.0000E+00	2.4560E+02	4.7514E+02
	2	2.2400E+00	-4.0874E+01	2.0743E+01	-1.2710E+01	0.0000E+00	2.1631E+02	4.2866E+02
2	2	0.0000E+00	-4.0562E+01	2.0743E+01	-1.2710E+01	0.0000E+00	2.1631E+02	4.2866E+02
	3	2.2400E+00	-3.7165E+01	2.0667E+01	-1.2004E+01	0.0000E+00	1.8864E+02	3.8226E+02
3	3	0.0000E+00	-3.6647E+01	2.0687E+01	-1.1992E+01	0.0000E+00	1.8863E+02	3.8226E+02
	4	5.2000E-01	-3.5883E+01	2.0659E+01	-1.1833E+01	0.0000E+00	1.8244E+02	3.7151E+02
4	4	0.0000E+00	-3.5799E+01	2.0640E+01	-1.1845E+01	0.0000E+00	1.8244E+02	3.7152E+02
	5	1.7200E+00	-3.3340E+01	2.0509E+01	-1.1311E+01	0.0000E+00	1.6252E+02	3.3612E+02
5	5	0.0000E+00	-3.3138E+01	2.0508E+01	-1.1311E+01	0.0000E+00	1.6252E+02	3.3612E+02
	6	2.2400E+00	-3.0090E+01	2.0214E+01	-1.0585E+01	0.0000E+00	1.3799E+02	2.9048E+02
6	6	0.0000E+00	-2.9869E+01	2.0215E+01	-1.0584E+01	0.0000E+00	1.3799E+02	2.9048E+02
	7	2.2400E+00	-2.6995E+01	1.9743E+01	-9.8397E+00	0.0000E+00	1.1512E+02	2.4569E+02
7	7	0.0000E+00	-1.3360E+01	9.8265E+00	-4.9613E+00	0.0000E+00	5.6476E+01	1.2050E+02
	8	1.6000E+00	-1.1414E+01	9.1422E+00	-4.4253E+00	0.0000E+00	4.8967E+01	1.0525E+02
8	7	0.0000E+00	-1.3342E+01	9.9173E+00	-4.8792E+00	0.0000E+00	5.8640E+01	1.2519E+02

	8	1.6000E+00	-1.1756E+01	9.9173E+00	-4.8792E+00	0.0000E+00	5.0834E+01	1.0932E+02
9	8	0.0000E+00	-2.2877E+01	1.9058E+01	-9.3038E+00	0.0000E+00	9.9801E+01	2.1458E+02
	9	2.2400E+00	-2.0267E+01	1.7934E+01	-8.5619E+00	0.0000E+00	7.9795E+01	1.7323E+02
10	9	0.0000E+00	-2.0046E+01	1.7935E+01	-8.5623E+00	0.0000E+00	7.9795E+01	1.7323E+02
	10	2.2400E+00	-1.7611E+01	1.6921E+01	-7.8394E+00	0.0000E+00	6.1430E+01	1.3415E+02
11	10	0.0000E+00	-1.7389E+01	1.6921E+01	-7.8392E+00	0.0000E+00	6.1431E+01	1.3415E+02
	11	2.2400E+00	-1.5129E+01	1.5690E+01	-7.1429E+00	0.0000E+00	4.4657E+01	9.7585E+01
12	11	0.0000E+00	-1.4908E+01	1.5689E+01	-7.1426E+00	0.0000E+00	4.4657E+01	9.7583E+01
	12	2.2400E+00	-1.2822E+01	1.4081E+01	-6.4790E+00	0.0000E+00	2.9408E+01	6.4141E+01
13	12	0.0000E+00	-1.2198E+01	1.4082E+01	-6.4793E+00	0.0000E+00	2.9408E+01	6.4139E+01
	13	2.2400E+00	-1.0287E+01	9.8151E+00	-5.2908E+00	0.0000E+00	1.6024E+01	3.6482E+01
14	13	0.0000E+00	-6.5476E+00	9.8159E+00	-5.2902E+00	0.0000E+00	1.6024E+01	3.6483E+01
	14	1.0000E+00	-6.1763E+00	8.1608E+00	-4.4301E+00	0.0000E+00	1.1163E+01	2.7714E+01
15	14	0.0000E+00	-6.1763E+00	8.1594E+00	-4.4306E+00	0.0000E+00	1.1163E+01	2.7714E+01
	15	1.0000E+00	-5.8051E+00	7.8070E+00	-3.5614E+00	0.0000E+00	7.1659E+00	1.9728E+01
16	15	0.0000E+00	-5.8051E+00	7.8085E+00	-3.5613E+00	0.0000E+00	7.1660E+00	1.9728E+01
	16	1.0000E+00	-5.4339E+00	6.7497E+00	-2.6833E+00	0.0000E+00	4.0430E+00	1.2334E+01
17	16	0.0000E+00	-4.3538E+00	6.7490E+00	-2.6829E+00	0.0000E+00	4.0428E+00	1.2334E+01
	17	1.0000E+00	-3.9826E+00	5.6609E+00	-1.7966E+00	0.0000E+00	1.8024E+00	6.2399E+00
18	17	0.0000E+00	-3.9826E+00	5.6601E+00	-1.7971E+00	0.0000E+00	1.8023E+00	6.2396E+00
	18	1.0000E+00	-3.6114E+00	3.2641E+00	-9.0259E-01	0.0000E+00	4.5178E-01	1.4489E+00
19	18	0.0000E+00	-9.1129E-01	3.2660E+00	-9.0280E-01	0.0000E+00	4.5205E-01	1.4492E+00
	19	1.0000E+00	-5.4006E-01	1.2255E-03	-3.7025E-04	0.0000E+00	-1.7995E-04	-6.0523E-04

LOAD COMBINATION : 5

SLE Vento 100 km/h

LOAD CASE	FACTOR
1	1.00000
2	1.00000
3	0.00000
4	0.00000
5	0.00000
6	1.00000

GRAVITY LOAD ACTIVE In Global -Z DIRECTION

\*\*\* SPAN LOADS DUE TO SELF WEIGHT \*\*\*

elem.	elem.	Step	Qx i	Qy i	Qz i	Qx j	Qy j	Qz j
1	1	1	0.0000E+00	0.0000E+00	-1.2843E+00	0.0000E+00	0.0000E+00	-1.2843E+00
2	2	1	0.0000E+00	0.0000E+00	-1.2215E+00	0.0000E+00	0.0000E+00	-1.2215E+00
3	3	1	0.0000E+00	0.0000E+00	-1.1827E+00	0.0000E+00	0.0000E+00	-1.1827E+00
4	4	1	0.0000E+00	0.0000E+00	-1.1513E+00	0.0000E+00	0.0000E+00	-1.1513E+00
5	5	1	0.0000E+00	0.0000E+00	-1.0957E+00	0.0000E+00	0.0000E+00	-1.0957E+00
6	6	1	0.0000E+00	0.0000E+00	-1.0328E+00	0.0000E+00	0.0000E+00	-1.0328E+00
7	7	1	0.0000E+00	0.0000E+00	-9.7893E-01	0.0000E+00	0.0000E+00	-9.7893E-01
8	8	1	0.0000E+00	0.0000E+00	-9.9171E-01	0.0000E+00	0.0000E+00	-9.9171E-01

9	9	1	0.0000E+00	0.0000E+00	-9.3782E-01	0.0000E+00	0.0000E+00	-9.3782E-01
10	10	1	0.0000E+00	0.0000E+00	-8.7495E-01	0.0000E+00	0.0000E+00	-8.7495E-01
11	11	1	0.0000E+00	0.0000E+00	-8.1208E-01	0.0000E+00	0.0000E+00	-8.1208E-01
12	12	1	0.0000E+00	0.0000E+00	-7.4920E-01	0.0000E+00	0.0000E+00	-7.4920E-01
13	13	1	0.0000E+00	0.0000E+00	-6.8632E-01	0.0000E+00	0.0000E+00	-6.8632E-01
14	14	1	0.0000E+00	0.0000E+00	-3.1451E-01	0.0000E+00	0.0000E+00	-3.1451E-01
15	15	1	0.0000E+00	0.0000E+00	-3.1451E-01	0.0000E+00	0.0000E+00	-3.1451E-01
16	16	1	0.0000E+00	0.0000E+00	-3.1451E-01	0.0000E+00	0.0000E+00	-3.1451E-01
17	17	1	0.0000E+00	0.0000E+00	-3.1451E-01	0.0000E+00	0.0000E+00	-3.1451E-01
18	18	1	0.0000E+00	0.0000E+00	-3.1451E-01	0.0000E+00	0.0000E+00	-3.1451E-01
19	19	1	0.0000E+00	0.0000E+00	-3.1451E-01	0.0000E+00	0.0000E+00	-3.1451E-01

\*\*\* P O I N T L O A D S \*\*\*

NODE	Fx	Fy	Fz	Mxx	Myy	Mzz
2	0.0000E+00	0.0000E+00	-3.1179E-01	0.0000E+00	0.0000E+00	0.0000E+00
3	0.0000E+00	0.0000E+00	-5.1821E-01	0.0000E+00	0.0000E+00	0.0000E+00
4	0.0000E+00	0.0000E+00	-8.3721E-02	0.0000E+00	0.0000E+00	0.0000E+00
5	0.0000E+00	0.0000E+00	-2.0199E-01	0.0000E+00	0.0000E+00	0.0000E+00
6	0.0000E+00	0.0000E+00	-2.2143E-01	0.0000E+00	0.0000E+00	0.0000E+00
7	0.0000E+00	0.0000E+00	-2.9286E-01	0.0000E+00	0.0000E+00	0.0000E+00
8	0.0000E+00	0.0000E+00	-2.9286E-01	0.0000E+00	0.0000E+00	0.0000E+00
9	0.0000E+00	0.0000E+00	-2.2143E-01	0.0000E+00	0.0000E+00	0.0000E+00
10	0.0000E+00	0.0000E+00	-2.2143E-01	0.0000E+00	0.0000E+00	0.0000E+00
11	0.0000E+00	0.0000E+00	-2.2143E-01	0.0000E+00	0.0000E+00	0.0000E+00
12	0.0000E+00	0.0000E+00	-6.2321E-01	0.0000E+00	0.0000E+00	0.0000E+00
13	0.0000E+00	0.0000E+00	-3.7396E+00	0.0000E+00	0.0000E+00	0.0000E+00
16	0.0000E+00	0.0000E+00	-1.0800E+00	0.0000E+00	0.0000E+00	0.0000E+00
18	0.0000E+00	0.0000E+00	-2.7000E+00	0.0000E+00	0.0000E+00	0.0000E+00
19	0.0000E+00	0.0000E+00	-5.4000E-01	0.0000E+00	0.0000E+00	0.0000E+00

\*\*\* S P A N L O A D S \*\*\*

elem.	First elem.	Last step	Gen. context	Qx i	Qy i	Qz i	Qx j	Qy j	Qz j
1	1	1	global	3.3692E-01	0.0000E+00	0.0000E+00	3.2051E-01	0.0000E+00	0.0000E+00
2	2	1	global	3.2051E-01	0.0000E+00	0.0000E+00	3.1039E-01	0.0000E+00	0.0000E+00
3	3	1	global	3.1039E-01	0.0000E+00	0.0000E+00	3.0218E-01	0.0000E+00	0.0000E+00
4	4	1	global	3.0218E-01	0.0000E+00	0.0000E+00	2.8767E-01	0.0000E+00	0.0000E+00
5	5	1	global	2.8767E-01	0.0000E+00	0.0000E+00	2.7125E-01	0.0000E+00	0.0000E+00
6	6	1	global	2.7125E-01	0.0000E+00	0.0000E+00	2.5718E-01	0.0000E+00	0.0000E+00
7	7	1	global	2.5718E-01	0.0000E+00	0.0000E+00	2.4644E-01	0.0000E+00	0.0000E+00
8	8	1	global	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
9	9	1	global	2.4644E-01	0.0000E+00	0.0000E+00	2.3003E-01	0.0000E+00	0.0000E+00
10	10	1	global	2.3003E-01	0.0000E+00	0.0000E+00	2.1361E-01	0.0000E+00	0.0000E+00
11	11	1	global	2.1361E-01	0.0000E+00	0.0000E+00	1.9719E-01	0.0000E+00	0.0000E+00
12	12	1	global	1.9719E-01	0.0000E+00	0.0000E+00	1.8077E-01	0.0000E+00	0.0000E+00
13	13	1	global	1.8077E-01	0.0000E+00	0.0000E+00	4.7063E-01	0.0000E+00	0.0000E+00
14	14	1	global	4.7063E-01	0.0000E+00	0.0000E+00	4.7063E-01	0.0000E+00	0.0000E+00
15	15	1	global	4.7063E-01	0.0000E+00	0.0000E+00	4.7063E-01	0.0000E+00	0.0000E+00
16	16	1	global	4.7063E-01	0.0000E+00	0.0000E+00	4.7063E-01	0.0000E+00	0.0000E+00
17	17	1	global	4.7063E-01	0.0000E+00	0.0000E+00	4.7063E-01	0.0000E+00	0.0000E+00
18	18	1	global	4.7063E-01	0.0000E+00	0.0000E+00	4.7063E-01	0.0000E+00	0.0000E+00
19	19	1	global	4.7063E-01	0.0000E+00	0.0000E+00	4.7063E-01	0.0000E+00	0.0000E+00

\*\*\* D I S P L A C E M E N T S \*\*\*

NODE	X-displ.	Y-displ.	Z-displ.	XX-rotat.	YY-rotat.	ZZ-rotat.
1	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
2	7.4270E-04	0.0000E+00	-2.4085E-05	0.0000E+00	6.4769E-04	0.0000E+00
3	2.9397E-03	0.0000E+00	-4.7273E-05	0.0000E+00	1.2974E-03	0.0000E+00
4	3.6538E-03	0.0000E+00	-5.2471E-05	0.0000E+00	1.4483E-03	0.0000E+00
5	6.5833E-03	0.0000E+00	-6.9364E-05	0.0000E+00	1.9476E-03	0.0000E+00
6	1.1694E-02	0.0000E+00	-9.0632E-05	0.0000E+00	2.5967E-03	0.0000E+00
7	1.8256E-02	0.0000E+00	-1.1108E-04	0.0000E+00	3.2413E-03	0.0000E+00
8	2.3625E-02	0.0000E+00	-1.1782E-04	0.0000E+00	3.4643E-03	0.0000E+00
9	3.2082E-02	0.0000E+00	-1.3503E-04	0.0000E+00	4.0633E-03	0.0000E+00
10	4.1855E-02	0.0000E+00	-1.5133E-04	0.0000E+00	4.6371E-03	0.0000E+00

11	5.2872E-02	0.0000E+00	-1.6671E-04	0.0000E+00	5.1704E-03	0.0000E+00
12	6.5016E-02	0.0000E+00	-1.8118E-04	0.0000E+00	5.6393E-03	0.0000E+00
13	7.8102E-02	0.0000E+00	-1.9425E-04	0.0000E+00	6.0066E-03	0.0000E+00
14	8.5166E-02	0.0000E+00	-2.0144E-04	0.0000E+00	8.0018E-03	0.0000E+00
15	9.3886E-02	0.0000E+00	-2.0826E-04	0.0000E+00	9.3392E-03	0.0000E+00
16	1.0367E-01	0.0000E+00	-2.1470E-04	0.0000E+00	1.0150E-02	0.0000E+00
17	1.1406E-01	0.0000E+00	-2.1949E-04	0.0000E+00	1.0567E-02	0.0000E+00
18	1.2472E-01	0.0000E+00	-2.2390E-04	0.0000E+00	1.0721E-02	0.0000E+00
19	1.3545E-01	0.0000E+00	-2.2473E-04	0.0000E+00	1.0742E-02	0.0000E+00

\*\*\* POINT FORCES & REACTIONS \*\*\*

NODE	Fx	Fy	Fz	Mxx	Myy	Mzz
1	-9.1975E+00	0.0000E+00	3.8382E+01	0.0000E+00	-1.4829E+02	0.0000E+00
2	0.0000E+00	0.0000E+00	-3.1179E-01	0.0000E+00	0.0000E+00	0.0000E+00
3	0.0000E+00	0.0000E+00	-5.1821E-01	0.0000E+00	0.0000E+00	0.0000E+00
4	0.0000E+00	0.0000E+00	-8.3721E-02	0.0000E+00	0.0000E+00	0.0000E+00
5	0.0000E+00	0.0000E+00	-2.0199E-01	0.0000E+00	0.0000E+00	0.0000E+00
6	0.0000E+00	0.0000E+00	-2.2143E-01	0.0000E+00	0.0000E+00	0.0000E+00
7	0.0000E+00	0.0000E+00	-2.9286E-01	0.0000E+00	0.0000E+00	0.0000E+00
8	0.0000E+00	0.0000E+00	-2.9286E-01	0.0000E+00	0.0000E+00	0.0000E+00
9	0.0000E+00	0.0000E+00	-2.2143E-01	0.0000E+00	0.0000E+00	0.0000E+00
10	0.0000E+00	0.0000E+00	-2.2143E-01	0.0000E+00	0.0000E+00	0.0000E+00
11	0.0000E+00	0.0000E+00	-2.2143E-01	0.0000E+00	0.0000E+00	0.0000E+00
12	0.0000E+00	0.0000E+00	-6.2321E-01	0.0000E+00	0.0000E+00	0.0000E+00
13	0.0000E+00	0.0000E+00	-3.7396E+00	0.0000E+00	0.0000E+00	0.0000E+00
14	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
15	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
16	0.0000E+00	0.0000E+00	-1.0800E+00	0.0000E+00	0.0000E+00	0.0000E+00
17	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
18	0.0000E+00	0.0000E+00	-2.7000E+00	0.0000E+00	0.0000E+00	0.0000E+00
19	0.0000E+00	0.0000E+00	-5.4000E-01	0.0000E+00	0.0000E+00	0.0000E+00
TOTAL	-9.1975E+00	0.0000E+00	2.7112E+01	0.0000E+00	-1.4829E+02	0.0000E+00

\*\*\* MEMBER FORCES \*\*\*

\* positive sign For tension axial forces \*

ELEMENT	NODE	DIST	AXIAL	SHEAR	SHEAR	TORSION	BENDING	BENDING
			R1	R2	R3	M1	M2	M3
1	1	0.0000E+00	-3.8382E+01	0.0000E+00	-9.1975E+00	0.0000E+00	1.4829E+02	0.0000E+00
	2	2.2400E+00	-3.5505E+01	0.0000E+00	-8.4612E+00	0.0000E+00	1.2852E+02	0.0000E+00
-----								
2	2	0.0000E+00	-3.5193E+01	0.0000E+00	-8.4612E+00	0.0000E+00	1.2852E+02	0.0000E+00
	3	2.2400E+00	-3.2457E+01	0.0000E+00	-7.7546E+00	0.0000E+00	1.1037E+02	0.0000E+00
-----								
3	3	0.0000E+00	-3.1939E+01	0.0000E+00	-7.7499E+00	0.0000E+00	1.1037E+02	0.0000E+00
	4	5.2000E-01	-3.1324E+01	0.0000E+00	-7.5906E+00	0.0000E+00	1.0638E+02	0.0000E+00
-----								
4	4	0.0000E+00	-3.1240E+01	0.0000E+00	-7.5955E+00	0.0000E+00	1.0638E+02	0.0000E+00
	5	1.7200E+00	-2.9260E+01	0.0000E+00	-7.0883E+00	0.0000E+00	9.3751E+01	0.0000E+00
-----								
5	5	0.0000E+00	-2.9058E+01	0.0000E+00	-7.0879E+00	0.0000E+00	9.3751E+01	0.0000E+00
	6	2.2400E+00	-2.6603E+01	0.0000E+00	-6.4619E+00	0.0000E+00	7.8582E+01	0.0000E+00
-----								
6	6	0.0000E+00	-2.6382E+01	0.0000E+00	-6.4619E+00	0.0000E+00	7.8582E+01	0.0000E+00
	7	2.2400E+00	-2.4068E+01	0.0000E+00	-5.8700E+00	0.0000E+00	6.4776E+01	0.0000E+00
-----								
7	7	0.0000E+00	-1.1811E+01	0.0000E+00	-2.9814E+00	0.0000E+00	3.1786E+01	0.0000E+00
	8	1.6000E+00	-1.0244E+01	0.0000E+00	-2.5785E+00	0.0000E+00	2.7340E+01	0.0000E+00
-----								
8	7	0.0000E+00	-1.1965E+01	0.0000E+00	-2.8883E+00	0.0000E+00	3.2990E+01	0.0000E+00
	8	1.6000E+00	-1.0378E+01	0.0000E+00	-2.8883E+00	0.0000E+00	2.8368E+01	0.0000E+00
-----								
9	8	0.0000E+00	-2.0329E+01	0.0000E+00	-5.4678E+00	0.0000E+00	5.5709E+01	0.0000E+00
	9	2.2400E+00	-1.8229E+01	0.0000E+00	-4.9341E+00	0.0000E+00	4.4065E+01	0.0000E+00

10	9	0.0000E+00	-1.8007E+01	0.0000E+00	-4.9333E+00	0.0000E+00	4.4066E+01	0.0000E+00
	10	2.2400E+00	-1.6047E+01	0.0000E+00	-4.4364E+00	0.0000E+00	3.3578E+01	0.0000E+00
11	10	0.0000E+00	-1.5826E+01	0.0000E+00	-4.4369E+00	0.0000E+00	3.3578E+01	0.0000E+00
	11	2.2400E+00	-1.4007E+01	0.0000E+00	-3.9768E+00	0.0000E+00	2.4162E+01	0.0000E+00
12	11	0.0000E+00	-1.3786E+01	0.0000E+00	-3.9766E+00	0.0000E+00	2.4162E+01	0.0000E+00
	12	2.2400E+00	-1.2107E+01	0.0000E+00	-3.5533E+00	0.0000E+00	1.5735E+01	0.0000E+00
13	12	0.0000E+00	-1.1484E+01	0.0000E+00	-3.5535E+00	0.0000E+00	1.5735E+01	0.0000E+00
	13	2.2400E+00	-9.9467E+00	0.0000E+00	-2.8239E+00	0.0000E+00	8.4712E+00	0.0000E+00
14	13	0.0000E+00	-6.2071E+00	0.0000E+00	-2.8237E+00	0.0000E+00	8.4713E+00	0.0000E+00
	14	1.0000E+00	-5.8926E+00	0.0000E+00	-2.3530E+00	0.0000E+00	5.8830E+00	0.0000E+00
15	14	0.0000E+00	-5.8926E+00	0.0000E+00	-2.3533E+00	0.0000E+00	5.8830E+00	0.0000E+00
	15	1.0000E+00	-5.5781E+00	0.0000E+00	-1.8827E+00	0.0000E+00	3.7650E+00	0.0000E+00
16	15	0.0000E+00	-5.5781E+00	0.0000E+00	-1.8825E+00	0.0000E+00	3.7650E+00	0.0000E+00
	16	1.0000E+00	-5.2635E+00	0.0000E+00	-1.4119E+00	0.0000E+00	2.1178E+00	0.0000E+00
17	16	0.0000E+00	-4.1835E+00	0.0000E+00	-1.4119E+00	0.0000E+00	2.1178E+00	0.0000E+00
	17	1.0000E+00	-3.8690E+00	0.0000E+00	-9.4123E-01	0.0000E+00	9.4128E-01	0.0000E+00
18	17	0.0000E+00	-3.8690E+00	0.0000E+00	-9.4119E-01	0.0000E+00	9.4123E-01	0.0000E+00
	18	1.0000E+00	-3.5545E+00	0.0000E+00	-4.7056E-01	0.0000E+00	2.3535E-01	0.0000E+00
19	18	0.0000E+00	-8.5452E-01	0.0000E+00	-4.7037E-01	0.0000E+00	2.3519E-01	0.0000E+00
	19	1.0000E+00	-5.4000E-01	0.0000E+00	2.5839E-04	0.0000E+00	1.2969E-04	0.0000E+00

LOAD COMBINATION : 6

SLV

LOAD CASE	FACTOR
1	1.00000
2	1.00000
3	0.00000
4	0.00000
5	1.00000
6	0.00000

GRAVITY LOAD ACTIVE In Global -Z DIRECTION

\*\*\* SPAN LOADS DUE TO SELF WEIGHT \*\*\*

elem.	elem.	Step	Qx i	Qy i	Qz i	Qx j	Qy j	Qz j
1	1	1	0.0000E+00	0.0000E+00	-1.2843E+00	0.0000E+00	0.0000E+00	-1.2843E+00
2	2	1	0.0000E+00	0.0000E+00	-1.2215E+00	0.0000E+00	0.0000E+00	-1.2215E+00
3	3	1	0.0000E+00	0.0000E+00	-1.1827E+00	0.0000E+00	0.0000E+00	-1.1827E+00
4	4	1	0.0000E+00	0.0000E+00	-1.1513E+00	0.0000E+00	0.0000E+00	-1.1513E+00
5	5	1	0.0000E+00	0.0000E+00	-1.0957E+00	0.0000E+00	0.0000E+00	-1.0957E+00
6	6	1	0.0000E+00	0.0000E+00	-1.0328E+00	0.0000E+00	0.0000E+00	-1.0328E+00
7	7	1	0.0000E+00	0.0000E+00	-9.7893E-01	0.0000E+00	0.0000E+00	-9.7893E-01
8	8	1	0.0000E+00	0.0000E+00	-9.9171E-01	0.0000E+00	0.0000E+00	-9.9171E-01
9	9	1	0.0000E+00	0.0000E+00	-9.3782E-01	0.0000E+00	0.0000E+00	-9.3782E-01
10	10	1	0.0000E+00	0.0000E+00	-8.7495E-01	0.0000E+00	0.0000E+00	-8.7495E-01
11	11	1	0.0000E+00	0.0000E+00	-8.1208E-01	0.0000E+00	0.0000E+00	-8.1208E-01
12	12	1	0.0000E+00	0.0000E+00	-7.4920E-01	0.0000E+00	0.0000E+00	-7.4920E-01



13	13	1	0.0000E+00	0.0000E+00	-6.8632E-01	0.0000E+00	0.0000E+00	-6.8632E-01
14	14	1	0.0000E+00	0.0000E+00	-3.1451E-01	0.0000E+00	0.0000E+00	-3.1451E-01
15	15	1	0.0000E+00	0.0000E+00	-3.1451E-01	0.0000E+00	0.0000E+00	-3.1451E-01
16	16	1	0.0000E+00	0.0000E+00	-3.1451E-01	0.0000E+00	0.0000E+00	-3.1451E-01
17	17	1	0.0000E+00	0.0000E+00	-3.1451E-01	0.0000E+00	0.0000E+00	-3.1451E-01
18	18	1	0.0000E+00	0.0000E+00	-3.1451E-01	0.0000E+00	0.0000E+00	-3.1451E-01
19	19	1	0.0000E+00	0.0000E+00	-3.1451E-01	0.0000E+00	0.0000E+00	-3.1451E-01

\*\*\* P O I N T L O A D S \*\*\*

NODE	Fx	Fy	Fz	Mxx	Myy	Mzz
2	1.8472E-02	5.5417E-03	-3.1179E-01	0.0000E+00	0.0000E+00	0.0000E+00
3	3.1127E-02	9.3382E-03	-5.1821E-01	0.0000E+00	0.0000E+00	0.0000E+00
4	3.9479E-02	1.1844E-02	-8.3721E-02	0.0000E+00	0.0000E+00	0.0000E+00
5	1.0725E-01	3.2176E-02	-2.0199E-01	0.0000E+00	0.0000E+00	0.0000E+00
6	1.7297E-01	5.1892E-02	-2.2143E-01	0.0000E+00	0.0000E+00	0.0000E+00
7	2.3766E-01	7.1299E-02	-2.9286E-01	0.0000E+00	0.0000E+00	0.0000E+00
8	2.1753E-01	6.5260E-02	-2.9286E-01	0.0000E+00	0.0000E+00	0.0000E+00
9	1.2654E-01	3.7962E-02	-2.2143E-01	0.0000E+00	0.0000E+00	0.0000E+00
10	3.6395E-02	1.0919E-02	-2.2143E-01	0.0000E+00	0.0000E+00	0.0000E+00
11	-5.9110E-02	-1.7733E-02	-2.2143E-01	0.0000E+00	0.0000E+00	0.0000E+00
12	-9.3689E-02	-2.8107E-02	-6.2321E-01	0.0000E+00	0.0000E+00	0.0000E+00
13	2.5972E-01	7.7916E-02	-3.7396E+00	0.0000E+00	0.0000E+00	0.0000E+00
14	-1.8228E-02	-5.4684E-03	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
15	-3.6114E-02	-1.0834E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
16	1.2770E-01	3.8310E-02	-1.0800E+00	0.0000E+00	0.0000E+00	0.0000E+00
17	-7.3132E-02	-2.1940E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
18	7.4680E-01	2.2404E-01	-2.7000E+00	0.0000E+00	0.0000E+00	0.0000E+00
19	1.5441E-01	4.6322E-02	-5.4000E-01	0.0000E+00	0.0000E+00	0.0000E+00

\*\*\* S P A N L O A D S \*\*\*

none

\*\*\* D I S P L A C E M E N T S \*\*\*

NODE	X-displ.	Y-displ.	Z-displ.	XX-rotat.	YY-rotat.	ZZ-rotat.
1	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
2	2.0184E-04	6.0552E-05	-2.4085E-05	-5.3017E-05	1.7672E-04	0.0000E+00
3	8.0516E-04	2.4155E-04	-4.7273E-05	-1.0738E-04	3.5793E-04	0.0000E+00
4	1.0024E-03	3.0072E-04	-5.2471E-05	-1.2014E-04	4.0048E-04	0.0000E+00
5	1.8156E-03	5.4468E-04	-6.9364E-05	-1.6271E-04	5.4235E-04	0.0000E+00
6	3.2453E-03	9.7359E-04	-9.0632E-05	-2.1873E-04	7.2910E-04	0.0000E+00
7	5.0956E-03	1.5287E-03	-1.1108E-04	-2.7526E-04	9.1752E-04	0.0000E+00
8	6.6181E-03	1.9854E-03	-1.1782E-04	-2.9524E-04	9.8414E-04	0.0000E+00
9	9.0382E-03	2.7114E-03	-1.3503E-04	-3.5142E-04	1.1714E-03	0.0000E+00
10	1.1886E-02	3.5657E-03	-1.5133E-04	-4.0956E-04	1.3652E-03	0.0000E+00
11	1.5175E-02	4.5526E-03	-1.6671E-04	-4.6950E-04	1.5650E-03	0.0000E+00
12	1.8915E-02	5.6745E-03	-1.8118E-04	-5.2937E-04	1.7646E-03	0.0000E+00
13	2.3087E-02	6.9262E-03	-1.9425E-04	-5.8426E-04	1.9475E-03	0.0000E+00
14	2.5644E-02	7.6933E-03	-2.0144E-04	-9.3728E-04	3.1243E-03	0.0000E+00
15	2.9251E-02	8.7753E-03	-2.0826E-04	-1.2139E-03	4.0465E-03	0.0000E+00
16	3.3650E-02	1.0095E-02	-2.1470E-04	-1.4120E-03	4.7066E-03	0.0000E+00
17	3.8581E-02	1.1574E-02	-2.1949E-04	-1.5352E-03	5.1174E-03	0.0000E+00
18	4.3804E-02	1.3141E-02	-2.2390E-04	-1.5859E-03	5.2865E-03	0.0000E+00
19	4.9105E-02	1.4731E-02	-2.2473E-04	-1.5924E-03	5.3081E-03	0.0000E+00

\*\*\* P O I N T F O R C E S & R E A C T I O N S \*\*\*

NODE	Fx	Fy	Fz	Mxx	Myy	Mzz
1	-1.9958E+00	-5.9874E-01	3.8382E+01	1.1989E+01	-3.9963E+01	0.0000E+00
2	1.8472E-02	5.5417E-03	-3.1179E-01	0.0000E+00	0.0000E+00	0.0000E+00
3	3.1127E-02	9.3382E-03	-5.1821E-01	0.0000E+00	0.0000E+00	0.0000E+00
4	3.9479E-02	1.1844E-02	-8.3721E-02	0.0000E+00	0.0000E+00	0.0000E+00
5	1.0725E-01	3.2176E-02	-2.0199E-01	0.0000E+00	0.0000E+00	0.0000E+00
6	1.7297E-01	5.1892E-02	-2.2143E-01	0.0000E+00	0.0000E+00	0.0000E+00
7	2.3766E-01	7.1299E-02	-2.9286E-01	0.0000E+00	0.0000E+00	0.0000E+00

8	2.1753E-01	6.5260E-02	-2.9286E-01	0.0000E+00	0.0000E+00	0.0000E+00
9	1.2654E-01	3.7962E-02	-2.2143E-01	0.0000E+00	0.0000E+00	0.0000E+00
10	3.6395E-02	1.0919E-02	-2.2143E-01	0.0000E+00	0.0000E+00	0.0000E+00
11	-5.9110E-02	-1.7733E-02	-2.2143E-01	0.0000E+00	0.0000E+00	0.0000E+00
12	-9.3689E-02	-2.8107E-02	-6.2321E-01	0.0000E+00	0.0000E+00	0.0000E+00
13	2.5972E-01	7.7916E-02	-3.7396E+00	0.0000E+00	0.0000E+00	0.0000E+00
14	-1.8228E-02	-5.4684E-03	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
15	-3.6114E-02	-1.0834E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
16	1.2770E-01	3.8310E-02	-1.0800E+00	0.0000E+00	0.0000E+00	0.0000E+00
17	-7.3132E-02	-2.1940E-02	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
18	7.4680E-01	2.2404E-01	-2.7000E+00	0.0000E+00	0.0000E+00	0.0000E+00
19	1.5441E-01	4.6322E-02	-5.4000E-01	0.0000E+00	0.0000E+00	0.0000E+00
TOTAL	0.0000E+00	0.0000E+00	2.7112E+01	1.1989E+01	-3.9963E+01	0.0000E+00

\*\*\* MEMBER FORCES \*\*\*

\* positive sign For tension axial forces \*

ELEMENT	NODE	DIST	AXIAL	SHEAR	SHEAR	TORSION	BENDING	BENDING
			R1	R2	R3	M1	M2	M3
1	1	0.0000E+00	-3.8382E+01	5.9874E-01	-1.9958E+00	0.0000E+00	3.9963E+01	1.1989E+01
	2	2.2400E+00	-3.5505E+01	5.9874E-01	-1.9958E+00	0.0000E+00	3.5492E+01	1.0648E+01
2	2	0.0000E+00	-3.5193E+01	5.9319E-01	-1.9773E+00	0.0000E+00	3.5492E+01	1.0648E+01
	3	2.2400E+00	-3.2457E+01	5.9319E-01	-1.9773E+00	0.0000E+00	3.1063E+01	9.3189E+00
3	3	0.0000E+00	-3.1939E+01	5.8402E-01	-1.9478E+00	0.0000E+00	3.1064E+01	9.3190E+00
	4	5.2000E-01	-3.1324E+01	5.8402E-01	-1.9478E+00	0.0000E+00	3.0051E+01	9.0153E+00
4	4	0.0000E+00	-3.1240E+01	5.7200E-01	-1.9067E+00	0.0000E+00	3.0051E+01	9.0153E+00
	5	1.7200E+00	-2.9260E+01	5.7200E-01	-1.9067E+00	0.0000E+00	2.6772E+01	8.0315E+00
5	5	0.0000E+00	-2.9058E+01	5.3985E-01	-1.7994E+00	0.0000E+00	2.6772E+01	8.0315E+00
	6	2.2400E+00	-2.6603E+01	5.3985E-01	-1.7994E+00	0.0000E+00	2.2741E+01	6.8222E+00
6	6	0.0000E+00	-2.6382E+01	4.8794E-01	-1.6265E+00	0.0000E+00	2.2741E+01	6.8222E+00
	7	2.2400E+00	-2.4068E+01	4.8794E-01	-1.6265E+00	0.0000E+00	1.9097E+01	5.7292E+00
7	7	0.0000E+00	-1.1811E+01	2.0433E-01	-6.8094E-01	0.0000E+00	9.3632E+00	2.8090E+00
	8	1.6000E+00	-1.0244E+01	2.0433E-01	-6.8094E-01	0.0000E+00	8.2737E+00	2.4821E+00
8	7	0.0000E+00	-1.1965E+01	2.1243E-01	-7.0793E-01	0.0000E+00	9.7343E+00	2.9203E+00
	8	1.6000E+00	-1.0378E+01	2.1243E-01	-7.0793E-01	0.0000E+00	8.6016E+00	2.5804E+00
9	8	0.0000E+00	-2.0329E+01	3.5138E-01	-1.1713E+00	0.0000E+00	1.6875E+01	5.0626E+00
	9	2.2400E+00	-1.8229E+01	3.5138E-01	-1.1713E+00	0.0000E+00	1.4252E+01	4.2755E+00
10	9	0.0000E+00	-1.8007E+01	3.1343E-01	-1.0448E+00	0.0000E+00	1.4252E+01	4.2755E+00
	10	2.2400E+00	-1.6047E+01	3.1343E-01	-1.0448E+00	0.0000E+00	1.1911E+01	3.5734E+00
11	10	0.0000E+00	-1.5826E+01	3.0248E-01	-1.0083E+00	0.0000E+00	1.1911E+01	3.5734E+00
	11	2.2400E+00	-1.4007E+01	3.0248E-01	-1.0083E+00	0.0000E+00	9.6527E+00	2.8958E+00
12	11	0.0000E+00	-1.3786E+01	3.2023E-01	-1.0674E+00	0.0000E+00	9.6526E+00	2.8958E+00
	12	2.2400E+00	-1.2107E+01	3.2023E-01	-1.0674E+00	0.0000E+00	7.2617E+00	2.1785E+00
13	12	0.0000E+00	-1.1484E+01	3.4835E-01	-1.1613E+00	0.0000E+00	7.2617E+00	2.1785E+00
	13	2.2400E+00	-9.9467E+00	3.4835E-01	-1.1613E+00	0.0000E+00	4.6604E+00	1.3982E+00
14	13	0.0000E+00	-6.2071E+00	2.7043E-01	-9.0137E-01	0.0000E+00	4.6605E+00	1.3982E+00
	14	1.0000E+00	-5.8926E+00	2.7043E-01	-9.0137E-01	0.0000E+00	3.7592E+00	1.1277E+00
15	14	0.0000E+00	-5.8926E+00	2.7589E-01	-9.1971E-01	0.0000E+00	3.7592E+00	1.1277E+00
	15	1.0000E+00	-5.5781E+00	2.7589E-01	-9.1971E-01	0.0000E+00	2.8394E+00	8.5185E-01
16	15	0.0000E+00	-5.5781E+00	2.8676E-01	-9.5584E-01	0.0000E+00	2.8395E+00	8.5185E-01
	16	1.0000E+00	-5.2635E+00	2.8676E-01	-9.5584E-01	0.0000E+00	1.8837E+00	5.6510E-01

```

-----
17      16  0.0000E+00 -4.1835E+00  2.4843E-01 -8.2807E-01  0.0000E+00  1.8837E+00  5.6511E-01
17      17  1.0000E+00 -3.8690E+00  2.4843E-01 -8.2807E-01  0.0000E+00  1.0556E+00  3.1668E-01
-----
18      17  0.0000E+00 -3.8690E+00  2.7035E-01 -9.0118E-01  0.0000E+00  1.0556E+00  3.1668E-01
18      18  1.0000E+00 -3.5545E+00  2.7035E-01 -9.0118E-01  0.0000E+00  1.5442E-01  4.6327E-02
-----
19      18  0.0000E+00 -8.5452E-01  4.6327E-02 -1.5443E-01  0.0000E+00  1.5442E-01  4.6325E-02
19      19  1.0000E+00 -5.4000E-01  4.6327E-02 -1.5443E-01  0.0000E+00 -1.3328E-05 -2.4989E-06
-----

```

elaboration time (hh:mm:ss) = 0:0:0