



Column1							
**************							
GEOMETRY							
**************							
Nodal Coordinates:							
(Node No X - Y - Z)							
NODES =							
1.00000 0.00000 0.00000							
2.00000 0.00000 12.00000							
3.00000 0.00000 27.00000							
4.00000 0.00000 42.00000							
5.00000 0.00000 54.00000							
6.00000 84.46000 12.14660							
7.00000 84.46000 42.14660							

Boundary Conditions: 1 = Restrained, 0 = Free   Node No Tx - Ty - Rz							
Node No Tx - Ty - Rz)  BOUNDS =  1 1 1 0 6 1 1 1 7 1 1 1  Element Information:  [Ele No iNode - jNode - Member Type - E - A - I)  ELES =  1 1 2 0 29000 9999 999999 2 2 3 0 29000 9999 999999 3 3 4 0 29000 9999 999999 3 3 4 0 29000 9999 999999 4 4 5 0 29000 9999 999999 5 4 4 5 0 29000 5 50 6 4 6 0 29000 5 50 6 4 6 0 29000 5 50 7 2 7 0 29000 5 50  Total Information:  [Node No Fx - Fy - Mz]							
30UNDS =  1 1 1 0 6 1 1 1 7 1 1 1  Element Information:  [Ele No iNode - jNode - Member Type - E - A - I)					= Restrai	ned, 0 =	= Free
BOUNDS =  1 1 1 0 6 1 1 1 7 1 1 1	(Node N	lo T	x - Ty -	· Rz)			
1 1 1 0 6 1 1 1 7 1 1 1  Element Information:  [Ele No  Node -  Node -  Member Type - E - A -   )  ELES =  1 1 2 0 29000 9999 999999 2 2 3 0 29000 9999 999999 3 3 4 0 29000 9999 999999 4 4 5 0 29000 9999 999999 5 4 7 0 29000 5 50 6 4 6 0 29000 5 50 7 2 7 0 29000 5 50 The state of the sta							
1 1 1 0 6 1 1 1 7 1 1 1  Element Information:  [Ele No  Node -  Node -  Member Type - E - A -   )  ELES =  1 1 2 0 29000 9999 999999 2 2 3 0 29000 9999 999999 3 3 4 0 29000 9999 999999 4 4 5 0 29000 9999 999999 5 4 7 0 29000 5 50 6 4 6 0 29000 5 50 7 2 7 0 29000 5 50 The state of the sta							
6 1 1 1 7 1 1 1  Element Information:  [Ele No i Node - jNode - Member Type - E - A - I)  ELES =  1 1 2 0 29000 9999 999999 2 2 3 3 0 29000 9999 999999 3 3 4 0 29000 9999 999999 4 4 5 0 29000 9999 999999 5 4 7 0 29000 5 50 6 4 6 0 29000 5 50 7 2 7 0 29000 5 50  7 2 7 0 29000 5 50  LOADS =  5 0 0 720  LOADS =  5 0 0 720  LOADS =  -8.4460 92.9060 -23.6760 77.6760	BOUND	S =					
6 1 1 1 7 1 1 1  Element Information:  [Ele No i Node - jNode - Member Type - E - A - I)  ELES =  1 1 2 0 29000 9999 999999 2 2 3 3 0 29000 9999 999999 3 3 4 0 29000 9999 999999 4 4 5 0 29000 9999 999999 5 4 7 0 29000 5 50 6 4 6 0 29000 5 50 7 2 7 0 29000 5 50  7 2 7 0 29000 5 50  LOADS =  5 0 0 720  LOADS =  5 0 0 720  LOADS =  -8.4460 92.9060 -23.6760 77.6760							
6 1 1 1 7 1 1 1  Element Information:  [Ele No i Node - jNode - Member Type - E - A - I)  ELES =  1 1 2 0 29000 9999 999999 2 2 3 3 0 29000 9999 999999 3 3 4 0 29000 9999 999999 4 4 5 0 29000 9999 999999 5 4 7 0 29000 5 50 6 4 6 0 29000 5 50 7 2 7 0 29000 5 50  7 2 7 0 29000 5 50  LOADS =  5 0 0 720  LOADS =  5 0 0 720  LOADS =  -8.4460 92.9060 -23.6760 77.6760	1 1	1 0					
7 1 1 1  Element Information:  [Ele No iNode - jNode - Member Type - E - A - I)  ELES =  1 1 2 0 29000 9999 999999 2 2 2 3 0 29000 9999 999999 3 3 4 0 29000 9999 999999 4 4 5 0 29000 9999 999999 5 4 7 0 29000 5 50 6 4 6 0 29000 5 50 7 2 7 0 29000 5 50 7 2 7 0 29000 5 50  Total Information:  [Node No Fx - Fy - Mz]    Coad Information:    Coad Information:   C							
Element Information:  [Ele No iNode - jNode - Member Type - E - A - i)  ELES =  1							
ELES =  1	, -						
ELES =  1							
ELES =  1							
ELES =  1							
ELES =  1							
ELES =  1							
ELES =  1	(Ele No.	- iNo	de - jN	ode ·	- Membe	r Type	- E - A - I)
1 1 2 0 29000 9999 9999999 2 2 3 0 29000 9999 999999 3 3 4 0 29000 9999 999999 4 4 5 0 29000 5 50 6 4 6 0 29000 5 50 7 2 7 0 29000 5 50 7 2 7 0 29000 5 50  Coad Information:  (Node No Fx - Fy - Mz)  LOADS =  5 0 0 720  LOADS =							
1 1 2 0 29000 9999 9999999 2 2 3 0 29000 9999 999999 3 3 4 0 29000 9999 999999 4 4 5 0 29000 5 50 6 4 6 0 29000 5 50 7 2 7 0 29000 5 50 7 2 7 0 29000 5 50  Coad Information:  (Node No Fx - Fy - Mz)  LOADS =  5 0 0 720  LOADS =							
2 2 3 0 29000 9999 999999  3 3 4 0 29000 9999 999999  4 4 5 0 29000 5 50  6 4 6 0 29000 5 50  7 2 7 0 29000 5 50  And the state of the	ELES =						
2 2 3 0 29000 9999 999999  3 3 4 0 29000 9999 999999  4 4 5 0 29000 5 50  6 4 6 0 29000 5 50  7 2 7 0 29000 5 50  And the state of the							
3 3 4 0 29000 9999 9999999  4 4 5 0 29000 5 50  6 4 6 0 29000 5 50  7 2 7 0 29000 5 50  Load Information:  (Node No Fx - Fy - Mz)	1	1	2	0	29000	9999	999999
3 3 4 0 29000 9999 9999999  4 4 5 0 29000 5 50  6 4 6 0 29000 5 50  7 2 7 0 29000 5 50  Load Information:  (Node No Fx - Fy - Mz)	2	2	3	0	29000	9999	999999
4 4 5 0 29000 9999 999999  5 4 7 0 29000 5 50  6 4 6 0 29000 5 50  7 2 7 0 29000 5 50  Load Information: (Node No Fx - Fy - Mz)  LOADS =  5 0 0 720  DiotFile =//1. OUTPUT/Analysis2Overturning.png ans =  -8.4460 92.9060 -23.6760 77.6760	3	3	4				
5							
6 4 6 0 29000 5 50  7 2 7 0 29000 5 50							
7 2 7 0 29000 5 50							
Load Information: [Node No Fx - Fy - Mz]  LOADS =  5 0 0 720  DiotFile =//1. OUTPUT/Analysis2Overturning.png ans =  -8.4460 92.9060 -23.6760 77.6760							
Node No Fx - Fy - Mz)  LOADS =  5	,			0	23000		30
Node No Fx - Fy - Mz)  LOADS =  5							
Node No Fx - Fy - Mz)  LOADS =  5							
Node No Fx - Fy - Mz)  LOADS =  5							
Node No Fx - Fy - Mz)  LOADS =  5							
LOADS =  5  0  0  720  plotFile =//1. OUTPUT/Analysis2Overturning.png ans =  -8.4460  92.9060 -23.6760  77.6760							
5 0 0 720  DiotFile =//1. OUTPUT/Analysis2Overturning.png  ans =  -8.4460 92.9060 -23.6760 77.6760	(Node N	lo F	x - Fy -	Mz)			
5 0 0 720  DiotFile =//1. OUTPUT/Analysis2Overturning.png  ans =  -8.4460 92.9060 -23.6760 77.6760							
5 0 0 720  DiotFile =//1. OUTPUT/Analysis2Overturning.png  ans =  -8.4460 92.9060 -23.6760 77.6760							
olotFile =//1. OUTPUT/Analysis2Overturning.png ans = -8.4460 92.9060 -23.6760 77.6760	LOADS :	=					
olotFile =//1. OUTPUT/Analysis2Overturning.png ans = -8.4460 92.9060 -23.6760 77.6760							
olotFile =//1. OUTPUT/Analysis2Overturning.png ans = -8.4460 92.9060 -23.6760 77.6760	5 C	0	720				
-8.4460 92.9060 -23.6760 77.6760							
-8.4460 92.9060 -23.6760 77.6760							
-8.4460 92.9060 -23.6760 77.6760							
-8.4460 92.9060 -23.6760 77.6760	nlotEilo	_ /	/1 011	ITDI I	T/Analysi	ic2Over	turning nng
-8.4460 92.9060 -23.6760 77.6760		– ··/ ··	, 1. 00	1170	i / AilaiySi	320VEI	turring.prig
	diis =						
	0.440	0 00	0000	22	C7C0		
************	-8.446	υ 92	.9060	-23.	6/60 77	.6/60	
******************							
	*****	****	****	****	*****	*****	*****

NALYSIS
*******************
ff =
Columns 1 through 5:
9666657000.00000 1208332125.00000 0.00000 4833328500.00000 0.00000
1208332125.00000 304501132.39096 504.26323 434999201.34761 -103111008.00000
0.00000 504.26323 43495854.11402 1018.82405 0.00000
4833328500.00000 434999201.34761 1018.82405 17400047275.17513 773332560.0000 0.00000 -103111008.00000 0.00000 773332560.00000 206222016.00000
0.00000 -103111008.00000 0.00000 773332560.00000 206222016.00000 0.00000 0.00000 -19331400.00000 0.00000 0.00000
0.00000 -773332560.00000 0.00000 3866662800.00000 0.00000
0.00000 0.00000 0.00000 0.00000 -103111008.00000
0.00000 0.00000 0.00000 0.00000
0.00000 0.00000 0.00000 -773332560.00000
0.00000 0.00000 0.00000 0.00000
0.00000 0.00000 0.00000 0.00000
0.00000 0.00000 0.00000 0.00000
Columns 6 through 10:
0.00000 0.00000 0.00000 0.00000
0.00000 -773332560.00000 0.00000 0.00000 0.00000
-19331400.00000 0.00000 0.00000 0.00000
0.00000 3866662800.00000 0.00000 0.00000 0.00000
0.00000 0.00000 -103111008.00000 0.00000 -773332560.00000
38662800.00000 0.00000 0.00000 -19331400.00000 0.00000
0.00000 15466651200.00000 773332560.00000 0.00000 3866662800.00000
0.00000 773332560.00000 304502853.85281 -498.05544 -434999205.81648
-19331400.00000 0.00000 -498.05544 43495880.16908 2241.76973 0.00000 3866662800.00000 -434999205.81648 2241.76973 17400116017.48470
0.00000       3866662800.00000       -434999205.81648       2241.76973       17400116017.48470         0.00000       0.00000       -201388687.50000       0.00000       1208332125.00000
0.00000 0.00000 0.00000 0.00000 0.00000 0.00000
0.00000 0.00000 -1208332125.00000 0.00000 4833328500.00000
0.00000 0.00000 1200332123.00000 0.00000 1033320300.00000
Columns 11 through 13:
0.00000 0.00000 0.00000
0.00000 0.00000
0.00000 0.00000
0.00000 0.00000
0.00000 0.00000
0.00000 0.00000
0.00000 0.00000
-201388687.50000 0.00000 -1208332125.00000

	-24164250		0.00000	
1208332125	.00000	0.00000	4833328500.00000	
201388687.	50000 (	0.00000	1208332125.00000	
0.00000	24164250	.00000	0.00000	
1208332125	.00000	0.00000	9666657000.00000	
Number of dof	: 13			
Number of load	ds: 1			
LOADS =				
5 0 0 7	20			
deg = 11				
deg = 12				
deg = 13				
P =				
0				
0				
0				
0				
0				
0				
0				
0				
0				
0				
0				
0				
720				
720				
uf =				
ui –				
0.000120731	845			
-0.001448962				
-0.001448302				
0.000120776				
-0.003261800				
-0.003201800				
0.000120955				
-0.005078252				
-0.003078232				
0.000121258				
-0.006535143				
-0.000335143				
0.000121556	J40			

```
************
Post Process
*************
Nodal Displacements:
(Node No. - Tx - Ty - Rz)
NodalDisp =
 1.00000 0.00000 0.00000 0.00012
 2.00000 -0.00145 -0.00000 0.00012
 3.00000 -0.00326 -0.00000 0.00012
 4.00000 -0.00508 -0.00000 0.00012
 5.00000 -0.00654 -0.00000 0.00012
 6.00000 0.00000 0.00000 0.00000
 7.00000 0.00000 0.00000 0.00000
Global Member Forces:
(Element No. - iFx - iFy - iMz - jFx - jFy - jMz)
GlobalForces =
 1.0000e+00 -1.8121e+01 2.1934e+00 2.6776e-09 1.8121e+01 -2.1934e+00 2.1745e+02
 2.0000e+00 -1.5995e+01 2.8010e+00 -2.2579e+02 1.5995e+01 -2.8010e+00 4.6572e+02
 3.0000e+00 -1.5995e+01 2.8010e+00 -4.6572e+02 1.5995e+01 -2.8010e+00 7.0565e+02
 4.0000e+00 -7.8580e-10 -4.2633e-14 -7.2000e+02 7.8580e-10 4.2633e-14 7.2000e+02
 5.0000e+00 -8.7185e+00 1.3300e-01 8.3373e+00 8.7185e+00 -1.3300e-01 4.1738e+00
 6.0000e+00 -7.2767e+00 2.6680e+00 6.0158e+00 7.2767e+00 -2.6680e+00 2.0903e+00
 7.0000e+00 -2.1260e+00 -6.0763e-01 8.3381e+00 2.1260e+00 6.0763e-01 4.4325e+00
Local Member Forces:
(Element No. - iFx - iFy - iMz - jFx - jFy - jMz)
LocalForces =
 1.0000e+00 2.1934e+00 1.8121e+01 2.6776e-09 -2.1934e+00 -1.8121e+01 2.1745e+02
 2.0000e+00 2.8010e+00 1.5995e+01 -2.2579e+02 -2.8010e+00 -1.5995e+01 4.6572e+02
 3.0000e+00 2.8010e+00 1.5995e+01 -4.6572e+02 -2.8010e+00 -1.5995e+01 7.0565e+02
 4.0000e+00 -4.2633e-14 7.8580e-10 -7.2000e+02 4.2633e-14 -7.8580e-10 7.2000e+02
```

5.0000e+00 -8.7183e+00 1.4813e-01 8.3373e+00 8.7183e+00 -1.4813e-01 4.1738e+00
6.0000e+00 -7.7498e+00 9.0490e-02 6.0158e+00 7.7498e+00 -9.0490e-02 2.0903e+00
7.0000e+00 -2.2065e+00 1.4240e-01 8.3381e+00 2.2065e+00 -1.4240e-01 4.4325e+00
Nodal Support Reactions:
(Node No Fx - Fy - Mz)
Support =
1.00000 -18.12114 2.19337 0.00000
2.00000 0.00000 0.00000
3.00000 0.00000 0.00000
4.00000 0.00000 0.00000
5.00000 0.00000 0.00000
6.00000 7.27666 -2.66800 2.09034
7.00000 10.84447 0.47463 8.60625
sumFx = -9.4431e-12
sumFy = -5.2180e-15
sumMz = 10.697