



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 74.50000 12.13000					
7.00000 74.50000 42.13000					

Boundary Conditions: 1 = Restrained, 0 = Free					
(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					
4 4 5 0 29000 9999 999999					
5 4 7 1 29000 5 50					
6 4 6 1 29000 5 50					
7 2 7 1 29000 5 50					
l and Information.					
Load Information:					
(Node No Fx - Fy - Mz)					
LOADS =					
1 0 0 1000					
plotFile =//1. OUTPUT/Analysis3Stiffness.png					
ans =					
-7.4500 81.9500 -17.7000 71.7000					

4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4					

ANALYSIS					
	******	******			
cff =					
Columns 1 thro	ugh 5:				
	00000 120833			328500.00000	
1208332125.0					-103111008.0000
0.00000		43495910.84			
4833328500.0		565.00000			773332560.0000
0.00000	-103111008.0			.00000 206222	2016.00000
0.00000	0.00000	-19331400.000			
0.00000	-773332560.0				00000
0.00000	0.00000	0.00000		03111008.00000	
0.00000	0.00000	0.00000	0.00000	0.00000	
0.00000	0.00000	0.00000		73332560.00000	
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	0.00000	
0.00000	0.00000	0.00000	0.00000	0.00000	
	-773332560.0				
-19331400.00	0.00		0.00000		
0.00000	3866662800.0)
0.00000	0.00000	-103111008.000	0.0000	0 -773332560.0	00000
38662800.00	0.00	0.000	00 -19331400.0	0.00	0000
0.00000	15466651200.	00000 7733325	660.00000	0.00000 38666	62800.00000
0.00000	773332560.0	0000 30450319	9.29690 -61	7.71157 -43499	99565.00000
-19331400.00	0.00	0000 -617.71	157 43495917	.95754 0.0	00000
0.00000	3866662800.0	00000 -4349995	65.00000	0.00000 173999	82600.00000
0.00000	0.00000	-201388687.500	0.0000	0 1208332125.	00000
0.00000	0.00000	0.00000	-24164250.00000	0.00000	
0.00000	0.00000	-1208332125.00	0.000	00 4833328500	.00000
Columns 11 thr	ough 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			
0.00000	0.00000	0.00000			
0.00000	0.00000	0.00000			

0.00000	-24164250.00000	0.00000				
1208332125.0	0.0000	4833328500.00000				
201388687.50	0.00000	1208332125.00000				
0.00000 24164250.00000 0.00000						
1208332125.0	0.0000	9666657000.00000				
Number of dof: 1	.3					
Number of loads	: 1					
LOADS =						
1 0 0 1	000					
deg = 1						
P =						
1000						
0						
0						
0						
0						
0						
0						
0						
0						
0						
0						
0						
0						
uf =						
0.00015661277	7					
-0.00187712762						
-0.00000011914						
0.00015626326						
-0.00421884808						
-0.00000032868						
0.00015599585						
-0.00655789447						
-0.00000053822						
0.00015590671						
-0.00842877504						
-0.0000053822						
0.00015590671						
111111111111111111111111111111111111111						
******	*******	*****				
Post Process						
2222000						

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************
Nodal Displacements:
(Node No. - Tx - Ty - Rz)
NodalDisp =
 1.00000 0.00000 0.00000 0.00016
 2.00000 -0.00188 -0.00000 0.00016
 3.00000 -0.00422 -0.00000 0.00016
 4.00000 -0.00656 -0.00000 0.00016
 5.00000 -0.00843 -0.00000 0.00016
 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 =
  1.00000 -25.89034 2.87895 1000.00000 25.89034 -2.87895 -689.31594
  2.00000 -22.97720 4.05074 689.31594 22.97720 -4.05074 -344.65797
  3.00000 -22.97720 4.05074 344.65797 22.97720 -4.05074 0.00000
  4.00000 0.00000 0.00000 -0.00000 -0.00000 0.00000 -0.00000
  5.00000 -12.76363 -0.02216 0.00000 12.76363 0.02216 0.00855
  6.00000 -10.21357 4.07290 0.00000 10.21357 -4.07290 -1.64816
  7.00000 -2.91314 -1.17180 0.00000
                                      2.91314 1.17180 0.47398
Local Member Forces:
(Element No. - iFx - iFy - iMz - jFx - jFy - jMz)
LocalForces =
  1.00000 2.87895 25.89034 1000.00000 -2.87895 -25.89034 -689.31594
  2.00000 4.05074 22.97720 689.31594 -4.05074 -22.97720 -344.65797
  3.00000 4.05074 22.97720 344.65797 -4.05074 -22.97720 0.00000
  4.00000 0.00000 -0.00000 -0.00000 0.00000 -0.00000
  5.00000 -12.76365 0.00011 0.00000 12.76365 -0.00011 0.00855
  6.00000 -10.99568 -0.02053 0.00000 10.99568 0.02053 -1.64816
```

7.00000	-3.13998	0.00590	0.00000	3.13998	-0.00590	0.47398	
Nodal Supp							
(Node No	(Node No Fx - Fy - Mz)						
Support =							
1.00000	-25.89034	2.87895	0.00000				
2.00000	0.00000	0.00000	0.00000				
3.00000	0.00000	0.00000	0.00000				
4.00000	0.00000	0.00000	0.00000				
5.00000	0.00000	0.00000	0.00000				
6.00000	10.21357	-4.07290	-1.64816				
7.00000	15.67677	1.19396	0.48253				
sumFx = 0.0000000097535							
sumFy = 3.5527e-15							
sumMz = -1.1656							