

Column1							
*****************							
GEOMETRY							
******	*************						
Nodal Coord	Nodal Coordinates:						
(Node No )	X - Y - Z)						
NODES =							
1.00000	0.00000	0.00000					
2.00000	0.00000	25.56000					
3.00000	0.00000	27.00000					
4.00000	0.00000	41.04000					
5.00000	0.00000	54.00000					
6.00000	104.50000	25.56000					
7.00000	104.50000	41.04000					

Boundary Conditions: 1 = Restrained, 0 = Free						
		estrained, U =	rree			
(Node No Tx	- Iy - Rz)					
BOUNDS =						
1 0 1 0						
6 1 1 1						
7 1 1 1						
Element Inforn	nation:					
(Ele No iNode		amher Tyne -	F - A - I)			
LIE NO INOU	- jivoue - Mit	- Timer Type	L - A - I)			
FLEC -						
ELES =						
1.00000	1.00000	2.00000	0.00000	29000.00000	9999.00000	999999.00000
2.00000	2.00000	3.00000	0.00000	29000.00000		999999.00000
3.00000	3.00000	4.00000	0.00000	29000.00000	9999.00000	999999.00000
4.00000	4.00000	5.00000	0.00000	29000.00000	9999.00000	999999.00000
5.00000	4.00000	7.00000	0.00000	29000.00000	2.00000	2.85000
6.00000	4.00000	6.00000	0.00000	29000.00000	2.00000	2.85000
7.00000	2.00000	7.00000	0.00000	29000.00000	2.00000	2.85000
Load Informati	on:					
(Node No Fx						
LOADS =						
LOADS -						
2.00000 18.00000 0.00000 0.00000						
3.00000 18.90000 0.00000 0.00000						
plotFile =//1. OUTPUT/Design4Horizontal.png						
ans =						
-10.450 114.950 -35.700 89.700						
******	*****	*****	*****			

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ANALYSIS
************
kff =
Columns 1 through 9:
   2.0840e+07 -2.6633e+08 -2.0840e+07 0.0000e+00 -2.6633e+08 0.0000e+00 0.0000e+00 0.0000e+00 0.
  -2.6633e+08 4.5383e+09 2.6633e+08 0.0000e+00 2.2692e+09 0.0000e+00 0.0000e+00 0.0000e+00 0.0
  -2.0840e+07 2.6633e+08 1.1657e+11 7.9462e+01 -8.3646e+10 -1.1654e+11 0.0000e+00 -8.3912e+10 0.0000e+00
   0.0000e+00 0.0000e+00 7.9462e+01 2.1271e+08 4.3956e+01 0.0000e+00 -2.0137e+08 0.0000e+00 0.0
  -2.6633e+08 2.2692e+09 -8.3646e+10 4.3956e+01 8.5094e+10 8.3912e+10 0.0000e+00 4.0278e+10 0.0
   0.0000e+00 0.0000e+00 -1.1654e+11 0.0000e+00 8.3912e+10 1.1667e+11 0.0000e+00 8.3029e+10 -1...
   0.0000e+00 0.0000e+00 0.0000e+00 -2.0137e+08 0.0000e+00 0.0000e+00 2.2202e+08 0.0000e+00 0.0
   0.0000e+00 0.0000e+00 -8.3912e+10 0.0000e+00 4.0278e+10 8.3029e+10 0.0000e+00 8.8818e+10 8.8
   0.0000e+00 0.0000e+00 0.0000e+00 0.0000e+00 -1.2574e+08 0.0000e+00 8.8270e+08 2.8
   0.0000e+00 0.0000e+00 0.0000e+00 0.0000e+00 0.0000e+00 0.0000e+00 -2.0653e+07 0.0000e+00 -7.5
   0.0000e+00 0.0000e+00 0.0000e+00 0.0000e+00 -8.8270e+08 0.0000e+00 4.1311e+09 -1.
   0.0000e+00 0.0000e+00 0.0000e+00 0.0000e+00 0.0000e+00 0.0000e+00 0.0000e+00 0.0000e+00 -1.5
   0.0000e+00 0.0000e+000
   0.0000e+00 \quad 0.0
Columns 10 through 14:
   0.0000e+00 0.0000e+00 0.0000e+00 0.0000e+00 0.0000e+00
   0.0000e+00 -8.8270e+08 0.0000e+00 0.0000e+00 0.0000e+00
  -2.0653e+07  0.0000e+00  0.0000e+00  0.0000e+00  0.0000e+00
   0.0000e+00 4.1311e+09 0.0000e+00 0.0000e+00 0.0000e+00
  -7.9462e+01 -1.5325e+08 -1.5987e+08 0.0000e+00 -1.0360e+09
   4.3028e+07 8.9367e+01 0.0000e+00 -2.2374e+07 0.0000e+00
   8.9367e+01 1.7213e+10 1.0360e+09 0.0000e+00 4.4753e+09
   0.0000e+00 1.0360e+09 1.5987e+08 0.0000e+00 1.0360e+09
  -2.2374e+07 0.0000e+00 0.0000e+00 2.2374e+07 0.0000e+00
   0.0000e+00 4.4753e+09 1.0360e+09 0.0000e+00 8.9506e+09
Number of dof: 14
Number of loads: 1
LOADS =
     3.00000 18.90000 0.00000 0.00000
deg = 6
deg = 7
```

deg = 8
P =
0.00000
0.00000
0.00000
0.00000
0.00000
18.90000
0.00000
0.00000
0.00000
0.00000
0.00000
0.00000
0.00000
0.00000
uf =
0.07514063142
0.00176819466
0.02994557597
-0.00000021250
0.00176819466 0.02739937520
-0.00000021227
0.00176819550
0.00176819550
-0.00000021002
0.00176819970
-0.02034200957
-0.00000021002
0.00176819970
*************
Post Process
************
Nodal Displacements:
(Node No Tx - Ty - Rz)
NodalDisp =
1.00000 0.07514 0.00000 0.00177

```
2.00000 0.02995 -0.00000 0.00177
 3.00000 0.02740 -0.00000 0.00177
 4.00000 0.00257 -0.00000 0.00177
 5.00000 -0.02034 -0.00000 0.00177
 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 -0.00000 2.41075 0.00000 0.00000 -2.41075 0.00000
 2.00000 -16.07708 -0.04651 -5.33854 16.07708 0.04651 28.48954
 3.00000 2.82292 -0.04651 -28.48954 -2.82292 0.04651 -11.14424
 4.00000 \quad 0.00000 \quad 0.00000 \quad -0.00000 \quad 0.00000 \quad -0.00000 \quad 0.00000
 5.00000 1.42855 0.08030 5.59393 -1.42855 -0.08030 2.79696
 6.00000 1.39437 -0.12680 5.55031 -1.39437 0.12680 2.78353
 7.00000 16.07708 2.45726 5.33854 -16.07708 -2.45726 2.57177
Local Member Forces:
(Element No. - iFx - iFy - iMz - jFx - jFy - jMz)
LocalForces =
 1.00000 2.41075 0.00000 0.00000 -2.41075 -0.00000 0.00000
 2.00000 -0.04651 16.07708 -5.33854 0.04651 -16.07708 28.48954
 3.00000 -0.04651 -2.82292 -28.48954 0.04651 2.82292 -11.14424
 4.00000 \quad 0.00000 \quad 0.00000 \quad -0.00000 \quad 0.00000 \quad 0.00000
 5.00000 1.42855 0.08030 5.59393 -1.42855 -0.08030 2.79696
 6.00000 1.39790 0.07889 5.55031 -1.39790 -0.07889 2.78353
 7.00000 16.26361 0.07488 5.33854 -16.26361 -0.07488 2.57177
Nodal Support Reactions:
(Node No. - Fx - Fy - Mz)
Support =
 1.00000 0.00000 2.41075 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	-1.39437	0.12680	2.78353		
7.00000	-17.50563	-2.53755	5.36873		
sumFx = -	18.900				
sumFy =	4.4409e-16				
sumMz =	8.1523				

0000e+00

000e+00

0000e+00

0000e+00

0000e+00

2574e+08

000e+00

3270e+08

3561e+08

....

9462e+01

5325e+08

5987e+08

)000e+00

0360e+09