

FrameOut 1-5

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 PROGRAM CFRAME V02.05 24JUL84  
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RUN DATE = 12/11/ 8  
 RUN TIME = 20. 0.54

Frame Line 1 & 5

1 \*\*\* JOINT DATA \*\*\*

JOINT	X	Y	-----FIXITY-----					
			X	Y	R	KX	KY	KR
1	.00	.00	*	*				
2	.00	288.00						
3	300.00	313.00						
4	600.00	288.00						
5	600.00	.00	*	*				

1 \*\*\* MEMBER DATA \*\*\*

MEMBER	END END		LENGTH	I	A	AS	E	G
	A	B						
1	1	2	288.00	.6120E+03	.1180E+02	.1180E+02	.2900E+05	.1115E+05
2	2	3	301.04	.9840E+03	.1760E+02	.1760E+02	.2900E+05	.1115E+05
3	3	4	301.04	.9840E+03	.1760E+02	.1760E+02	.2900E+05	.1115E+05
4	4	5	288.00	.6120E+03	.1180E+02	.1180E+02	.2900E+05	.1115E+05

1 \*\*\* LOAD CASE 1 Wind Horz.

MEMBER	LA	PA	LB	PB	ANGLE
1	.00	.4416E-01	288.00	.4416E-01	.00
4	.00	.4416E-01	288.00	.4416E-01	.00

JOINT	FORCE X	FORCE Y	MOMENT
2	.0000E+00	.3290E+02	.0000E+00
4	.0000E+00	.3290E+02	.0000E+00

1 \*\*\* LOAD CASE 2 Wind Vert.

MEMBER	LA	PA	LB	PB	ANGLE
2	.00	.5300E-01	301.04	.5300E-01	.00
3	.00	.5300E-01	301.04	.5300E-01	.00

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JOINT      FORCE X      FORCE Y      MOMENT

1                      LOAD CASE      1    Wind Horz.

JOINT	JOINT DISPLACEMENTS		
	DX	DY	DR
1	.0000E+00	.0000E+00	-.2335E-02
2	.3095E-01	.2769E-01	.1863E-02
3	.0000E+00	.3517E+00	.0000E+00
4	-.3095E-01	.2769E-01	-.1863E-02
5	.0000E+00	.0000E+00	.2335E-02

MEMBER END FORCES

MEMBER	JOINT	AXIAL	SHEAR	MOMENT	MOMENT	LOCATION
					EXTREMA	
1	1	.3290E+02	.6036E+01	.0000E+00	.4124E+03	138.24
	2	.3290E+02	.6682E+01	-.9308E+02	-.9308E+02	288.00
2	2	-.6659E+01	-.5549E+00	-.9308E+02	-.9308E+02	.00
	3	-.6659E+01	.5549E+00	-.2601E+03	-.2601E+03	301.04
3	3	-.6659E+01	.5549E+00	-.2601E+03	-.9308E+02	301.04
	4	-.6659E+01	-.5549E+00	-.9308E+02	-.2601E+03	.00
4	4	.3290E+02	.6682E+01	-.9308E+02	.4124E+03	149.76
	5	.3290E+02	.6036E+01	.0000E+00	-.9308E+02	.00

JOINT	STRUCTURE REACTIONS		
	FORCE X	FORCE Y	MOMENT
1	-.6036E+01	-.3290E+02	.0000E+00
5	.6036E+01	-.3290E+02	.0000E+00

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TOTAL      .0000E+00      -.6580E+02

1                      LOAD CASE      2    Wind Vert.

JOINT	JOINT DISPLACEMENTS		
	DX	DY	DR
1	.0000E+00	.0000E+00	.3182E-02
2	-.1139E+00	-.1338E-01	-.5261E-02
3	.0000E+00	-.1415E+01	.0000E+00
4	.1139E+00	-.1338E-01	.5261E-02
5	.0000E+00	.0000E+00	-.3182E-02

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MEMBER END FORCES

MEMBER	JOINT	AXIAL	SHEAR	MOMENT	MOMENT EXTREMA	LOCATION
1	1	-.1590E+02	-.3613E+01	.0000E+00	.0000E+00	.00
	2	-.1590E+02	.3613E+01	-.1041E+04	-.1041E+04	288.00
2	2	-.4921E+01	.1555E+02	-.1041E+04	.1239E+04	295.02
	3	-.4921E+01	.4101E+00	.1237E+04	-.1041E+04	.00
3	3	-.4921E+01	.4101E+00	.1237E+04	.1239E+04	6.02
	4	-.4921E+01	.1555E+02	-.1041E+04	-.1041E+04	301.04
4	4	-.1590E+02	.3613E+01	-.1041E+04	.0000E+00	288.00
	5	-.1590E+02	-.3613E+01	.0000E+00	-.1041E+04	.00

JOINT	STRUCTURE REACTIONS		
	FORCE X	FORCE Y	MOMENT
1	.3613E+01	.1590E+02	.0000E+00
5	-.3613E+01	.1590E+02	.0000E+00

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TOTAL .0000E+00 .3180E+02

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MEMBER END FORCES

MEMBER	LOAD CASE	JOINT	AXIAL	SHEAR	MOMENT	MOMENT EXTREMA	LOCATION
1	1	1	.3290E+02	.6036E+01	.0000E+00	.4124E+03	138.24
		2	.3290E+02	.6682E+01	-.9308E+02	-.9308E+02	288.00
	2	1	-.1590E+02	-.3613E+01	.0000E+00	.0000E+00	.00
		2	-.1590E+02	.3613E+01	-.1041E+04	-.1041E+04	288.00
2	1	2	-.6659E+01	-.5549E+00	-.9308E+02	-.9308E+02	.00
		3	-.6659E+01	.5549E+00	-.2601E+03	-.2601E+03	301.04
	2	2	-.4921E+01	.1555E+02	-.1041E+04	.1239E+04	295.02
		3	-.4921E+01	.4101E+00	.1237E+04	-.1041E+04	.00
3	1	3	-.6659E+01	.5549E+00	-.2601E+03	-.9308E+02	301.04
		4	-.6659E+01	-.5549E+00	-.9308E+02	-.2601E+03	.00
	2	3	-.4921E+01	.4101E+00	.1237E+04	.1239E+04	6.02
		4	-.4921E+01	.1555E+02	-.1041E+04	-.1041E+04	301.04
4	1	4	.3290E+02	.6682E+01	-.9308E+02	.4124E+03	149.76
		5	.3290E+02	.6036E+01	.0000E+00	-.9308E+02	.00
	2	4	-.1590E+02	.3613E+01	-.1041E+04	.0000E+00	288.00
		5	-.1590E+02	-.3613E+01	.0000E+00	-.1041E+04	.00