

SOL 101

CEND

\$ Direct Text Input for Global Case Control Data

TITLE = MSC.Nastran job created on 31-Aug-16 at 09:24:01

ECHO = NONE

SUBCASE 1

\$ Subcase name : load

SUBTITLE=load

SPC = 2

LOAD = 2

DISPLACEMENT(SORT1,REAL)=ALL

SPCFORCES(SORT1,REAL)=ALL

STRESS(SORT1,REAL,VONMISES,BILIN)=ALL

SUBCASE 2

\$ Subcase name : load\_1

SUBTITLE=load\_1

SPC = 4

LOAD = 5

DISPLACEMENT(SORT1,REAL)=ALL

SPCFORCES(SORT1,REAL)=ALL

STRESS(SORT1,REAL,VONMISES,BILIN)=ALL

BEGIN BULK

\$ Direct Text Input for Bulk Data

param,bailout,-1

PARAM POST 0

PARAM PRTMAXIM YES

\$ Elements and Element Properties for region : pp

PBARL 1 1 ROD  
.00529

\$ Pset: "pp" will be imported as: "pbarl.1"

CBAR	1	1	1	2	0.	1.	0.
CBAR	2	1	2	3	0.	1.	0.
CBAR	3	1	3	4	0.	1.	0.
CBAR	4	1	4	5	0.	1.	0.
CBAR	5	1	5	6	0.	1.	0.
CBAR	6	1	6	7	0.	1.	0.
CBAR	7	1	7	8	0.	1.	0.
CBAR	8	1	8	9	0.	1.	0.
CBAR	9	1	9	10	0.	1.	0.
CBAR	10	1	10	11	0.	1.	0.
CBAR	11	1	11	12	0.	1.	0.
CBAR	12	1	12	13	0.	1.	0.
CBAR	13	1	13	14	0.	1.	0.
CBAR	14	1	14	15	0.	1.	0.

CBAR	15	1	15	16	0.	1.	0.
CBAR	16	1	16	17	0.	1.	0.
CBAR	17	1	17	18	0.	1.	0.
CBAR	18	1	18	19	0.	1.	0.
CBAR	19	1	19	20	0.	1.	0.
CBAR	20	1	20	21	0.	1.	0.
CBAR	21	1	21	23	0.	1.	0.
CBAR	22	1	23	24	0.	1.	0.
CBAR	23	1	24	25	0.	1.	0.
CBAR	24	1	25	26	0.	1.	0.
CBAR	25	1	26	27	0.	1.	0.
CBAR	26	1	27	28	0.	1.	0.
CBAR	27	1	28	29	0.	1.	0.
CBAR	28	1	29	30	0.	1.	0.
CBAR	29	1	30	31	0.	1.	0.
CBAR	30	1	31	32	0.	1.	0.
CBAR	31	1	32	33	0.	1.	0.
CBAR	32	1	33	34	0.	1.	0.
CBAR	33	1	34	35	0.	1.	0.
CBAR	34	1	35	36	0.	1.	0.
CBAR	35	1	36	37	0.	1.	0.
CBAR	36	1	37	38	0.	1.	0.
CBAR	37	1	38	39	0.	1.	0.
CBAR	38	1	39	40	0.	1.	0.
CBAR	39	1	40	41	0.	1.	0.
CBAR	40	1	41	42	0.	1.	0.
CBAR	41	1	42	43	0.	1.	0.
CBAR	42	1	43	44	0.	1.	0.
CBAR	43	1	44	45	0.	1.	0.
CBAR	44	1	45	46	0.	1.	0.
CBAR	45	1	46	47	0.	1.	0.
CBAR	46	1	47	48	0.	1.	0.
CBAR	47	1	48	49	0.	1.	0.
CBAR	48	1	49	50	0.	1.	0.
CBAR	49	1	50	51	0.	1.	0.
CBAR	50	1	51	52	0.	1.	0.
CBAR	51	1	52	53	0.	1.	0.
CBAR	52	1	53	54	0.	1.	0.
CBAR	53	1	54	55	0.	1.	0.
CBAR	54	1	55	56	0.	1.	0.
CBAR	55	1	56	57	0.	1.	0.
CBAR	56	1	57	58	0.	1.	0.
CBAR	57	1	58	59	0.	1.	0.
CBAR	58	1	59	60	0.	1.	0.

CBAR	59	1	60	61	0.	1.	0.
CBAR	60	1	61	62	0.	1.	0.

\$ Elements and Element Properties for region : pp\_1

PBARL	2	1	ROD
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.006

\$ Pset: "pp\_1" will be imported as: "pbarl.2"

CBAR	61	2	63	64	0.	1.	0.
CBAR	62	2	64	65	0.	1.	0.
CBAR	63	2	65	66	0.	1.	0.
CBAR	64	2	66	67	0.	1.	0.
CBAR	65	2	67	68	0.	1.	0.
CBAR	66	2	68	69	0.	1.	0.
CBAR	67	2	69	70	0.	1.	0.
CBAR	68	2	70	71	0.	1.	0.
CBAR	69	2	71	72	0.	1.	0.
CBAR	70	2	72	73	0.	1.	0.
CBAR	71	2	73	74	0.	1.	0.
CBAR	72	2	74	75	0.	1.	0.
CBAR	73	2	75	76	0.	1.	0.
CBAR	74	2	76	77	0.	1.	0.
CBAR	75	2	77	78	0.	1.	0.
CBAR	76	2	78	79	0.	1.	0.
CBAR	77	2	79	80	0.	1.	0.
CBAR	78	2	80	81	0.	1.	0.
CBAR	79	2	81	82	0.	1.	0.
CBAR	80	2	82	83	0.	1.	0.
CBAR	81	2	83	84	0.	1.	0.
CBAR	82	2	84	85	0.	1.	0.
CBAR	83	2	85	86	0.	1.	0.
CBAR	84	2	86	87	0.	1.	0.
CBAR	85	2	87	88	0.	1.	0.
CBAR	86	2	88	89	0.	1.	0.
CBAR	87	2	89	90	0.	1.	0.
CBAR	88	2	90	91	0.	1.	0.
CBAR	89	2	91	92	0.	1.	0.
CBAR	90	2	92	93	0.	1.	0.
CBAR	91	2	93	94	0.	1.	0.
CBAR	92	2	94	95	0.	1.	0.
CBAR	93	2	95	96	0.	1.	0.
CBAR	94	2	96	97	0.	1.	0.
CBAR	95	2	97	98	0.	1.	0.
CBAR	96	2	98	99	0.	1.	0.
CBAR	97	2	99	100	0.	1.	0.
CBAR	98	2	100	101	0.	1.	0.

CBAR	99	2	101	102	0.	1.	0.
CBAR	100	2	102	103	0.	1.	0.
CBAR	101	2	103	104	0.	1.	0.
CBAR	102	2	104	105	0.	1.	0.
CBAR	103	2	105	106	0.	1.	0.
CBAR	104	2	106	107	0.	1.	0.
CBAR	105	2	107	108	0.	1.	0.
CBAR	106	2	108	109	0.	1.	0.
CBAR	107	2	109	110	0.	1.	0.
CBAR	108	2	110	111	0.	1.	0.
CBAR	109	2	111	112	0.	1.	0.
CBAR	110	2	112	113	0.	1.	0.
CBAR	111	2	113	114	0.	1.	0.
CBAR	112	2	114	115	0.	1.	0.
CBAR	113	2	115	116	0.	1.	0.
CBAR	114	2	116	117	0.	1.	0.
CBAR	115	2	117	118	0.	1.	0.
CBAR	116	2	118	119	0.	1.	0.
CBAR	117	2	119	120	0.	1.	0.
CBAR	118	2	120	121	0.	1.	0.
CBAR	119	2	121	122	0.	1.	0.
CBAR	120	2	122	123	0.	1.	0.

\$ Referenced Material Records

\$ Material Record : steel

\$ Description of Material : Date: 31-Aug-16

Time: 09:12:41

MAT1 1 2.1+11 .3 7800.

\$ Nodes of the Entire Model

GRID	1	-1.	0.	0.
GRID*	2			-.94999998807907 0.
*	0.			
GRID*	3			-.89999997615814 0.
*	0.			
GRID*	4			-.85000002384185 0.
*	0.			
GRID*	5			-.80000001192092 0.
*	0.			
GRID	6	-.75	0.	0.
GRID*	7			-.69999998807907 0.
*	0.			
GRID*	8			-.65000003576278 0.
*	0.			
GRID*	9			-.60000002384185 0.
*	0.			
GRID*	10			-.55000001192092 0.

*	0.			
GRID	11	-0.5	0.	0.
GRID*	12			-.44999998807907 0.
*	0.			
GRID*	13			-.39999997615814 0.
*	0.			
GRID*	14			-.35000002384185 0.
*	0.			
GRID*	15			-.30000001192092 0.
*	0.			
GRID	16	-0.25	0.	0.
GRID*	17			-.19999998807907 0.
*	0.			
GRID*	18			-.14999997615814 0.
*	0.			
GRID*	19			-.10000002384185 0.
*	0.			
GRID*	20			-.05000001192092 0.
*	0.			
GRID	21	0.	0.	0.
GRID*	23			.050000000745058 0.
*	0.			
GRID*	24			.100000001490116 0.
*	0.			
GRID*	25			.150000005960465 0.
*	0.			
GRID*	26			.200000002980232 0.
*	0.			
GRID	27	.25	0.	0.
GRID*	28			.300000011920929 0.
*	0.			
GRID*	29			.349999994039536 0.
*	0.			
GRID*	30			.400000005960465 0.
*	0.			
GRID*	31			.449999988079071 0.
*	0.			
GRID	32	.5	0.	0.
GRID*	33			.550000011920929 0.
*	0.			
GRID*	34			.600000023841858 0.
*	0.			
GRID*	35			.649999976158142 0.
*	0.			

GRID*	36			.699999988079071 0.
*	0.			
GRID	37	.75	0.	0.
GRID*	38			.800000011920929 0.
*	0.			
GRID*	39			.850000023841858 0.
*	0.			
GRID*	40			.899999976158142 0.
*	0.			
GRID*	41			.949999988079071 0.
*	0.			
GRID	42	1.	0.	0.
GRID*	43			1.04999995231628 0.
*	0.			
GRID*	44			1.10000002384186 0.
*	0.			
GRID*	45			1.14999997615814 0.
*	0.			
GRID*	46			1.20000004768372 0.
*	0.			
GRID	47	1.25	0.	0.
GRID*	48			1.29999995231628 0.
*	0.			
GRID*	49			1.35000002384186 0.
*	0.			
GRID*	50			1.39999997615814 0.
*	0.			
GRID*	51			1.45000004768372 0.
*	0.			
GRID	52	1.5	0.	0.
GRID*	53			1.54999995231628 0.
*	0.			
GRID*	54			1.60000002384186 0.
*	0.			
GRID*	55			1.64999997615814 0.
*	0.			
GRID*	56			1.70000004768372 0.
*	0.			
GRID	57	1.75	0.	0.
GRID*	58			1.79999995231628 0.
*	0.			
GRID*	59			1.85000002384186 0.
*	0.			
GRID*	60			1.89999997615814 0.

*	0.			
GRID*	61			1.95000004768372 0.
*	0.			
GRID	62	2.	0.	0.
GRID	63	-1.	1.	0.
GRID*	64			-.949999988079071.
*	0.			
GRID*	65			-.899999976158141.
*	0.			
GRID*	66			-.850000023841851.
*	0.			
GRID*	67			-.800000011920921.
*	0.			
GRID	68	-.75	1.	0.
GRID*	69			-.699999988079071.
*	0.			
GRID*	70			-.650000035762781.
*	0.			
GRID*	71			-.600000023841851.
*	0.			
GRID*	72			-.550000011920921.
*	0.			
GRID	73	-.5	1.	0.
GRID*	74			-.449999988079071.
*	0.			
GRID*	75			-.399999976158141.
*	0.			
GRID*	76			-.350000023841851.
*	0.			
GRID*	77			-.300000011920921.
*	0.			
GRID	78	-.25	1.	0.
GRID*	79			-.199999988079071.
*	0.			
GRID*	80			-.149999976158141.
*	0.			
GRID*	81			-.100000023841851.
*	0.			
GRID*	82			-.050000011920921.
*	0.			
GRID	83	0.	1.	0.
GRID*	84			.0500000007450581.
*	0.			
GRID*	85			.1000000014901161.

*	0.			
GRID*	86			.1500000059604651.
*	0.			
GRID*	87			.2000000029802321.
*	0.			
GRID	88	.25	1.	0.
GRID*	89			.3000000119209291.
*	0.			
GRID*	90			.3499999940395361.
*	0.			
GRID*	91			.4000000059604651.
*	0.			
GRID*	92			.4499999880790711.
*	0.			
GRID	93	.5	1.	0.
GRID*	94			.5500000119209291.
*	0.			
GRID*	95			.6000000238418581.
*	0.			
GRID*	96			.6499999761581421.
*	0.			
GRID*	97			.6999999880790711.
*	0.			
GRID	98	.75	1.	0.
GRID*	99			.8000000119209291.
*	0.			
GRID*	100			.8500000238418581.
*	0.			
GRID*	101			.8999999761581421.
*	0.			
GRID*	102			.9499999880790711.
*	0.			
GRID	103	1.	1.	0.
GRID*	104			1.049999952316281.
*	0.			
GRID*	105			1.100000023841861.
*	0.			
GRID*	106			1.149999976158141.
*	0.			
GRID*	107			1.200000047683721.
*	0.			
GRID	108	1.25	1.	0.
GRID*	109			1.299999952316281.
*	0.			



GRID*	110					1.350000023841861.
*	0.					
GRID*	111					1.399999976158141.
*	0.					
GRID*	112					1.450000047683721.
*	0.					
GRID	113	1.5	1.	0.		
GRID*	114					1.549999952316281.
*	0.					
GRID*	115					1.600000023841861.
*	0.					
GRID*	116					1.649999976158141.
*	0.					
GRID*	117					1.700000047683721.
*	0.					
GRID	118	1.75	1.	0.		
GRID*	119					1.799999952316281.
*	0.					
GRID*	120					1.850000023841861.
*	0.					
GRID*	121					1.899999976158141.
*	0.					
GRID*	122					1.950000047683721.
*	0.					
GRID	123	2.	1.	0.		

\$ Loads for Load Case : load

SPCADD	2	1				
LOAD	2	1.	1.	1	1.	3

\$ Displacement Constraints of Load Set : disp

SPC1	1	123456	21			
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\$ Loads for Load Case : load\_1

SPCADD	4	3				
LOAD	5	1.	1.	4	1.	6

\$ Displacement Constraints of Load Set : disp1

SPC1	3	123456	93			
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\$ Nodal Forces of Load Set : f100

FORCE	1	62	0	100.	0.	1.	0.
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\$ Nodal Forces of Load Set : f100\_1

FORCE	4	123	0	100.	0.	1.	0.
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\$ Nodal Forces of Load Set : f200\_1

FORCE	6	63	0	200.	0.	1.	0.
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\$ Nodal Forces of Load Set : f200

FORCE	3	1	0	200.	0.	1.	0.
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\$ Referenced Coordinate Frames

ENDDATA 352de98a