

```

SOL 101
CEND
$ Direct Text Input for Global Case Control Data
TITLE = MSC.Nastran job created on 12-May-18 at 14:14:49
ECHO = NONE
SUBCASE 1
$ Subcase name : load1
  SUBTITLE=load1
  SPC = 2
  LOAD = 3
  DISPLACEMENT(SORT1,REAL)=ALL
  SPCFORCES(SORT1,REAL)=ALL
  STRESS(SORT1,REAL,VONMISES,BILIN)=ALL
SUBCASE 2
$ Subcase name : load2
  SUBTITLE=load2
  SPC = 5
  LOAD = 5
  DISPLACEMENT(SORT1,REAL)=ALL
  SPCFORCES(SORT1,REAL)=ALL
  STRESS(SORT1,REAL,VONMISES,BILIN)=ALL
BEGIN BULK
param,bailout,-1
$ Direct Text Input for Bulk Data
PARAM      POST      0
PARAM      PRTMAXIM YES
$ Elements and Element Properties for region : pp
PSHELL    1          1          .001      1          1
$ Pset: "pp" will be imported as: "pshell.1"
CQUAD4    1          1          1          2          9          8
CQUAD4    2          1          2          3          10         9
CQUAD4    3          1          3          4          11         10
CQUAD4    4          1          4          5          12         11
CQUAD4    5          1          5          6          13         12
CQUAD4    6          1          6          7          14         13
CQUAD4    7          1          8          9          16         15
CQUAD4    8          1          9          10         17         16
CQUAD4    9          1          10         11         18         17
CQUAD4    10         1          11         12         19         18
CQUAD4    11         1          12         13         20         19
CQUAD4    12         1          13         14         21         20
CQUAD4    13         1          15         16         23         22
CQUAD4    14         1          16         17         24         23
CQUAD4    15         1          17         18         25         24

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CQUAD4	16	1	18	19	26	25
CQUAD4	17	1	19	20	27	26
CQUAD4	18	1	20	21	28	27
CQUAD4	19	1	22	23	30	29
CQUAD4	20	1	23	24	31	30
CQUAD4	21	1	24	25	32	31
CQUAD4	22	1	25	26	33	32
CQUAD4	23	1	26	27	34	33
CQUAD4	24	1	27	28	35	34
CQUAD4	25	1	29	30	37	36
CQUAD4	26	1	30	31	38	37
CQUAD4	27	1	31	32	39	38
CQUAD4	28	1	32	33	40	39
CQUAD4	29	1	33	34	41	40
CQUAD4	30	1	34	35	42	41
CQUAD4	31	1	36	37	44	43
CQUAD4	32	1	37	38	45	44
CQUAD4	33	1	38	39	46	45
CQUAD4	34	1	39	40	47	46
CQUAD4	35	1	40	41	48	47
CQUAD4	36	1	41	42	49	48
CQUAD4	37	1	43	44	51	50
CQUAD4	38	1	44	45	52	51
CQUAD4	39	1	45	46	53	52
CQUAD4	40	1	46	47	54	53
CQUAD4	41	1	47	48	55	54
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CQUAD4	45	1	52	53	60	59
CQUAD4	46	1	53	54	61	60
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CQUAD4	48	1	55	56	63	62
CQUAD4	49	1	57	58	65	64
CQUAD4	50	1	58	59	66	65
CQUAD4	51	1	59	60	67	66
CQUAD4	52	1	60	61	68	67
CQUAD4	53	1	61	62	69	68
CQUAD4	54	1	62	63	70	69
CQUAD4	55	1	64	65	72	71
CQUAD4	56	1	65	66	73	72
CQUAD4	57	1	66	67	74	73
CQUAD4	58	1	67	68	75	74
CQUAD4	59	1	68	69	76	75

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CQUAD4	62	1	72	73	80	79
CQUAD4	63	1	73	74	81	80
CQUAD4	64	1	74	75	82	81
CQUAD4	65	1	75	76	83	82
CQUAD4	66	1	76	77	84	83
CQUAD4	67	1	78	79	86	85
CQUAD4	68	1	79	80	87	86
CQUAD4	69	1	80	81	88	87
CQUAD4	70	1	81	82	89	88
CQUAD4	71	1	82	83	90	89
CQUAD4	72	1	83	84	91	90
CQUAD4	73	1	93	94	101	100
CQUAD4	74	1	94	95	102	101
CQUAD4	75	1	95	96	103	102
CQUAD4	76	1	96	97	104	103
CQUAD4	77	1	97	98	105	104
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CQUAD4	79	1	100	101	108	107
CQUAD4	80	1	101	102	109	108
CQUAD4	81	1	102	103	110	109
CQUAD4	82	1	103	104	111	110
CQUAD4	83	1	104	105	112	111
CQUAD4	84	1	105	106	113	112
CQUAD4	85	1	107	108	115	114
CQUAD4	86	1	108	109	116	115
CQUAD4	87	1	109	110	117	116
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CQUAD4	91	1	114	115	122	121
CQUAD4	92	1	115	116	123	122
CQUAD4	93	1	116	117	124	123
CQUAD4	94	1	117	118	125	124
CQUAD4	95	1	118	119	126	125
CQUAD4	96	1	119	120	127	126
CQUAD4	97	1	121	122	129	128
CQUAD4	98	1	122	123	130	129
CQUAD4	99	1	123	124	131	130
CQUAD4	100	1	124	125	132	131
CQUAD4	101	1	125	126	133	132
CQUAD4	102	1	126	127	134	133
CQUAD4	103	1	128	129	136	135

CQUAD4	104	1	129	130	137	136
CQUAD4	105	1	130	131	138	137
CQUAD4	106	1	131	132	139	138
CQUAD4	107	1	132	133	140	139
CQUAD4	108	1	133	134	141	140
CQUAD4	109	1	135	136	143	142
CQUAD4	110	1	136	137	144	143
CQUAD4	111	1	137	138	145	144
CQUAD4	112	1	138	139	146	145
CQUAD4	113	1	139	140	147	146
CQUAD4	114	1	140	141	148	147
CQUAD4	115	1	142	143	150	149
CQUAD4	116	1	143	144	151	150
CQUAD4	117	1	144	145	152	151
CQUAD4	118	1	145	146	153	152
CQUAD4	119	1	146	147	154	153
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CQUAD4	121	1	149	150	157	156
CQUAD4	122	1	150	151	158	157
CQUAD4	123	1	151	152	159	158
CQUAD4	124	1	152	153	160	159
CQUAD4	125	1	153	154	161	160
CQUAD4	126	1	154	155	162	161
CQUAD4	127	1	156	157	164	163
CQUAD4	128	1	157	158	165	164
CQUAD4	129	1	158	159	166	165
CQUAD4	130	1	159	160	167	166
CQUAD4	131	1	160	161	168	167
CQUAD4	132	1	161	162	169	168
CQUAD4	133	1	163	164	171	170
CQUAD4	134	1	164	165	172	171
CQUAD4	135	1	165	166	173	172
CQUAD4	136	1	166	167	174	173
CQUAD4	137	1	167	168	175	174
CQUAD4	138	1	168	169	176	175
CQUAD4	139	1	170	171	178	177
CQUAD4	140	1	171	172	179	178
CQUAD4	141	1	172	173	180	179
CQUAD4	142	1	173	174	181	180
CQUAD4	143	1	174	175	182	181
CQUAD4	144	1	175	176	183	182

\$ Referenced Material Records

\$ Material Record : mm

\$ Description of Material : Date: 12-May-18

Time: 14:01:13

MAT1 1 7.2+10 .3 2700.

\$ Multipoint Constraints of the Entire Model

\$ ID conflict : the PATRAN MPC ID was 1

RBE3	145		92	123	1.	123	2	3
	4	5	6	7	9	10	11	12
	13	14	16	17	18	19	20	21
	23	24	25	26	27	28	30	31
	32	33	34	35	37	38	39	40
	41	42	44	45	46	47	48	49
	51	52	53	54	55	56	58	59
	60	61	62	63	65	66	67	68
	69	70	72	73	74	75	76	77
	79	80	81	82	83	84	86	87
	88	89	90	91				

\$ ID conflict : the PATRAN MPC ID was 2

RBE3	146		184	123	1.	123	94	95
	96	97	98	99	101	102	103	104
	105	106	108	109	110	111	112	113
	115	116	117	118	119	120	122	123
	124	125	126	127	129	130	131	132
	133	134	136	137	138	139	140	141
	143	144	145	146	147	148	150	151
	152	153	154	155	157	158	159	160
	161	162	164	165	166	167	168	169
	171	172	173	174	175	176	178	179
	180	181	182	183				

\$ Nodes of the Entire Model

GRID	1		0.	0.	0.
GRID	2		1.	0.	0.
GRID	3		2.	0.	0.
GRID	4		3.	0.	0.
GRID	5		4.	0.	0.
GRID	6		5.	0.	0.
GRID	7		6.	0.	0.
GRID	8		0.	1.	0.
GRID	9		1.	1.	0.
GRID	10		2.	1.	0.
GRID	11		3.	1.	0.
GRID	12		4.	1.	0.
GRID	13		5.	1.	0.
GRID	14		6.	1.	0.
GRID	15		0.	2.	0.
GRID	16		1.	2.	0.
GRID	17		2.	2.	0.

GRID	18	3.	2.	0.
GRID	19	4.	2.	0.
GRID	20	5.	2.	0.
GRID	21	6.	2.	0.
GRID	22	0.	3.	0.
GRID	23	1.	3.	0.
GRID	24	2.	3.	0.
GRID	25	3.	3.	0.
GRID	26	4.	3.	0.
GRID	27	5.	3.	0.
GRID	28	6.	3.	0.
GRID	29	0.	4.	0.
GRID	30	1.	4.	0.
GRID	31	2.	4.	0.
GRID	32	3.	4.	0.
GRID	33	4.	4.	0.
GRID	34	5.	4.	0.
GRID	35	6.	4.	0.
GRID	36	0.	5.	0.
GRID	37	1.	5.	0.
GRID	38	2.	5.	0.
GRID	39	3.	5.	0.
GRID	40	4.	5.	0.
GRID	41	5.	5.	0.
GRID	42	6.	5.	0.
GRID	43	0.	6.	0.
GRID	44	1.	6.	0.
GRID	45	2.	6.	0.
GRID	46	3.	6.	0.
GRID	47	4.	6.	0.
GRID	48	5.	6.	0.
GRID	49	6.	6.	0.
GRID	50	0.	7.	0.
GRID	51	1.	7.	0.
GRID	52	2.	7.	0.
GRID	53	3.	7.	0.
GRID	54	4.	7.	0.
GRID	55	5.	7.	0.
GRID	56	6.	7.	0.
GRID	57	0.	8.	0.
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GRID	59	2.	8.	0.
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GRID	62	5.	8.	0.
GRID	63	6.	8.	0.
GRID	64	0.	9.	0.
GRID	65	1.	9.	0.
GRID	66	2.	9.	0.
GRID	67	3.	9.	0.
GRID	68	4.	9.	0.
GRID	69	5.	9.	0.
GRID	70	6.	9.	0.
GRID	71	0.	10.	0.
GRID	72	1.	10.	0.
GRID	73	2.	10.	0.
GRID	74	3.	10.	0.
GRID	75	4.	10.	0.
GRID	76	5.	10.	0.
GRID	77	6.	10.	0.
GRID	78	0.	11.	0.
GRID	79	1.	11.	0.
GRID	80	2.	11.	0.
GRID	81	3.	11.	0.
GRID	82	4.	11.	0.
GRID	83	5.	11.	0.
GRID	84	6.	11.	0.
GRID	85	0.	12.	0.
GRID	86	1.	12.	0.
GRID	87	2.	12.	0.
GRID	88	3.	12.	0.
GRID	89	4.	12.	0.
GRID	90	5.	12.	0.
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GRID	92	2.	8.	.001
GRID	93	10.	0.	0.
GRID	94	11.	0.	0.
GRID	95	12.	0.	0.
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GRID	98	15.	0.	0.
GRID	99	16.	0.	0.
GRID	100	10.	1.	0.
GRID	101	11.	1.	0.
GRID	102	12.	1.	0.
GRID	103	13.	1.	0.
GRID	104	14.	1.	0.
GRID	105	15.	1.	0.

GRID	106	16.	1.	0.
GRID	107	10.	2.	0.
GRID	108	11.	2.	0.
GRID	109	12.	2.	0.
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GRID	116	12.	3.	0.
GRID	117	13.	3.	0.
GRID	118	14.	3.	0.
GRID	119	15.	3.	0.
GRID	120	16.	3.	0.
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GRID	122	11.	4.	0.
GRID	123	12.	4.	0.
GRID	124	13.	4.	0.
GRID	125	14.	4.	0.
GRID	126	15.	4.	0.
GRID	127	16.	4.	0.
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GRID	129	11.	5.	0.
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GRID	137	12.	6.	0.
GRID	138	13.	6.	0.
GRID	139	14.	6.	0.
GRID	140	15.	6.	0.
GRID	141	16.	6.	0.
GRID	142	10.	7.	0.
GRID	143	11.	7.	0.
GRID	144	12.	7.	0.
GRID	145	13.	7.	0.
GRID	146	14.	7.	0.
GRID	147	15.	7.	0.
GRID	148	16.	7.	0.
GRID	149	10.	8.	0.

GRID	150	11.	8.	0.
GRID	151	12.	8.	0.
GRID	152	13.	8.	0.
GRID	153	14.	8.	0.
GRID	154	15.	8.	0.
GRID	155	16.	8.	0.
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GRID	157	11.	9.	0.
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GRID	160	14.	9.	0.
GRID	161	15.	9.	0.
GRID	162	16.	9.	0.
GRID	163	10.	10.	0.
GRID	164	11.	10.	0.
GRID	165	12.	10.	0.
GRID	166	13.	10.	0.
GRID	167	14.	10.	0.
GRID	168	15.	10.	0.
GRID	169	16.	10.	0.
GRID	170	10.	11.	0.
GRID	171	11.	11.	0.
GRID	172	12.	11.	0.
GRID	173	13.	11.	0.
GRID	174	14.	11.	0.
GRID	175	15.	11.	0.
GRID	176	16.	11.	0.
GRID	177	10.	12.	0.
GRID	178	11.	12.	0.
GRID	179	12.	12.	0.
GRID	180	13.	12.	0.
GRID	181	14.	12.	0.
GRID	182	15.	12.	0.
GRID	183	16.	12.	0.
GRID	184	12.	8.	.001

\$ Loads for Load Case : load1

SPCADD 2 1 3

LOAD 3 1. 1. 2

\$ Displacement Constraints of Load Set : fix1

SPC1 1 123456 71

\$ Displacement Constraints of Load Set : fix2

SPC1 3 3456 15

\$ Loads for Load Case : load2

SPCADD 5 4 6

```

LOAD      5      1.      1.      1
$ Displacement Constraints of Load Set : fix3
SPC1      4      123456  149
$ Displacement Constraints of Load Set : fix4
SPC1      6      3456   121
$ Nodal Forces of Load Set : ff
FORCE     2      92      0      80000.  0.      0.      1.
$ Nodal Forces of Load Set : ff.1
FORCE     1      184      1      80000.  0.      0.      1.
$ Referenced Coordinate Frames
CORD2R    1      10.      0.      0.      10.      0.      10.
          20.      0.      0.
ENDDATA ef595edf

```