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## WORKSHOP PROBLEM 6

# *Replacing Output2 Datablocks*

### Objectives:

- Replace output2 datablocks that have similar format as some existing datablocks.

### Procedure:

1. Write out the mpcforces in ouput2 format for MSC/PATRAN using the model input file shown on page 6-2.

### Hints:

- Look at the .f06 output and determine which output has similar format as the mpcforce output.
- Find out the name of the mpcforce output datablock and use the nddl output to verify the format.
- Replace the name in the appropriate ouput2 callout.

## Model Input File for Modification:

### wkshp6.dat

```

SOL 101
TIME 5
CEND
TITLE = BAR MODEL STATICS WITH RBAR
DISP = ALL
SPC = 1
spcf = all
mpcf = all
SUBCASE 1
LOAD = 1
BEGIN BULK
$
param,post,-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 6 7 0. 1. 0.
CBAR 6 1 7 8 0. 1. 0.
CBAR 7 1 8 9 0. 1. 0.
FORCE 1 9 10. 0. -1. 0.
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. 1. 0.
GRID 7 6. 1. 0.
GRID 8 7. 1. 0.
GRID 9 8. 1. 0.
MAT1 1 30.+6 .3 .283
PBAR 1 1 3. 2.25
SPC1 1 123456 1
$
RBAR 10 5 6 123456 126
ENDDATA

```

**Solution Input File:**

**soln6.dat**

```

SOL 101
TIME 5
compile sedrcvr $
alter 'output2.*oqg1',''
output2 oqmg1//otape2/ounit2//omaxr $
$
CEND
TITLE = BAR MODEL STATICS WITH RBAR
DISP = ALL
SPC = 1
spcf = all
mpcf = all
SUBCASE 1
LOAD = 1
BEGIN BULK
$
param,post,-1
CBAR 1 1 1 2 0. 1. 0. +CB1
CBAR 2 1 2 3 0. 1. 0. +CB2
CBAR 3 1 3 4 0. 1. 0. +CB3
CBAR 4 1 4 5 0. 1. 0. +CB4
CBAR 5 1 6 7 0. 1. 0. +CB1
CBAR 6 1 7 8 0. 1. 0. +CB2
CBAR 7 1 8 9 0. 1. 0. +CB3
FORCE 1 9 10. 0. -1. 0.
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. 1. 0.
GRID 7 6. 1. 0.
GRID 8 7. 1. 0.
GRID 9 8. 1. 0.
MAT1 1 30.+6 .3 .283
PBAR 1 1 3. 2.25
SPC1 1 123456 1
$
RBAR 10 5 6 123456 126
ENDDATA

```

