Table 49 Input file, *.OPT, for the "**MAINSETUP**" processor for the case with **four** load sets involving (+ and -) modes 1, 2, 3, and 4. Compare with Table 37, for which there are two load sets, Loadsets 1 and 2.

```
=========================================================================
   n      $ Do you want a tutorial session and tutorial output?
      0   $ Choose an analysis you DON'T want (1, 2,..), IBEHAV
      0   $ Choose an analysis you DON'T want (1, 2,..), IBEHAV
      0   $ Choose an analysis you DON'T want (1, 2,..), IBEHAV
      0   $ Choose an analysis you DON'T want (1, 2,..), IBEHAV
      0   $ NPRINT= output index (0=GOOD, 1=ok, 2=debug, 3=too much)
      1   $ Choose type of analysis (1=opt., 2=fixed, 3=sensit.) ITYPE
      5   $ How many design iterations in this run (3 to 25)?
   n      $ Take "shortcuts" for perturbed designs (Y or N)?
      2   $ Choose 1 or 2 or 3 or 4 or 5 for IDESIGN
      1   $ Choose 1 or 2 or 3 or 4 or 5 for move limits, IMOVE
   y      $ Do you want default (RATIO=10) for initial move limit jump?
   y      $ Do you want the default perturbation (dx/x = 0.05)?
   y      $ Do you want to have dx/x modified by GENOPT?
   n      $ Do you want to reset total iterations to zero (Type H)?
=========================================================================
```

NOTES:

1. The input line for IBEHAV is repeated NCASES times, where NCASES = the number of load sets. In this case there are four 1oad sets, the first corresponding to shells with +mode 1 and +mode 2 axisymmetric imperfection shapes, the second corresponding to shells with -mode 1 and -mode 2 axisymmetric imperfection shapes, the third corresponding to shells with +mode 3 and +mode 4 axisymmetric imperfection shapes and the fourth corresponding to shells with -mode 3 and -mode 4 axisymmetric imperfection shapes.

2. For definitions of IDESIGN, IMOVE, and RATIO see the file URPROMPT.DAT, which is listed in Table 24 of the appendix.