```
material steel
    properties mises e 30000  nu 0.3 n_power 10 yld_pt 60.e10  $
linear-elastic
!
 material rve_link
     properties link stiff_link 1.0e10 mass_link 0.0
!
 structure prism
!
 number of nodes 35 elements 12
!
 elements
    1-8 type l3disop linear material steel order 2x2x2 bbar,
                          center_output short
    9 10 11 12 type link2 material rve_link
!
*echo off
 *input from file "coords_incid.inp"
*echo on
!
blocking automatic
!
  *input from file ”rve_constraints.inp"
!
 loading test
  nonlinear
    step 1 constraints 1.0
!
 nonlinear analysis parameters $ only those really needed here
   solution technique sparse direct
   time step 1.0e06
   maximum iterations 5 $ global Newton iterations
   minimum iterations 1
   convergence test norm res tol 0.001
   batch messages off
   trace solution on
!
 output model flat patran convention text file "model"
!
 compute displacements for loading test step  1
 output wide strains 1-8
 output wide stresses 1-12
 output wide displacements 1-35
 output flat text displacements     $ for ParaView visualization
 output flat text element stresses  $ for ParaView visualization
!
stop
```