

Command two, face z,min and z,max

```
/prep7                                ! Enter preprocessor
/PBC,CP,,1                             ! PBC, show CPs
degrees of freedom                     ! Cp, defines (or modifies) a set of coupled

! Boundary conditions z = -460 and z = 460

nselect,s,loc,z,-460                   ! Select nodes
nselect,r,loc,y,-19,0                 ! Reslect nodes (delete unnecessary nodes)
nselect,r,loc,x,-1599,1600           ! Reslect nodes (delete unnecessary nodes)
nselect,r,loc,x,1599,-1600          ! Reslect nodes (delete unnecessary nodes)

cm,mynodes,node                       ! Remember nodes
                                       ! Cm, groups geometry items into a component

nd=ndnext(0)                          ! Get first selected node
*dowhile,nd                            ! Start loop. Loop through all selected nodes.

x=nx(nd)                              ! Get node location
y=ny(nd)
z=nz(nd)

nselect,all                           ! Select all nodes

ndsym=node(x,y,-z)                   ! Get symmetric node

cp,next,ux,nd,ndsym                  ! Define coupling equation(s) between nd and ndsym
cp,next,uy,nd,ndsym                  ! no displacement in z-direction

cp,next,rotx,nd,ndsym                ! no z-rotation
cp,next,roty,nd,ndsym

nselect,s,,,mynodes                  ! Select your nodes

nd=ndnext(nd)                        ! Get next node

*enddo

alls
fini
/solu
```