

```

def in_shell
  sel_pnt = sel_head
  loop while sel_pnt # null
    if sel_id(sel_pnt) = id_ then
      numnode_ = sel_numnd(sel_pnt)
      loop i_ (1,numnode_)
        section
          newnode_ = sel_node(sel_pnt,i_)
          nid_      = sn_cid(newnode_)
          if (sn_extra(newnode_)) = 1 then
            exit section
          end_if
          xn_      = sn_refpos(newnode_,1)
          yn_      = sn_refpos(newnode_,2)
          zn_      = sn_refpos(newnode_,3)
          if abs(yn_yp0) < 1.e-3 then
            nsel_pnt = sel_head
            loop while nsel_pnt # null
              if sel_id(nsel_pnt) = id_-10 then
                nnumnode_ = sel_numnd(nsel_pnt)
                loop j_ (1,nnumnode_)
                  nnewnode_ = sel_node(nsel_pnt,j_)
                  nnid_      = sn_cid(nnewnode_)
                  nxn_      = sn_refpos(nnewnode_,1)
                  nyn_      = sn_refpos(nnewnode_,2)
                  nzn_      = sn_refpos(nnewnode_,3)
                  if abs(nyn_yp0) < 1.e-3 then
                    dx_ = nxn_ - xn_
                    dy_ = nyn_ - yn_
                    dz_ = nzn_ - zn_
                    dis_ = sqrt(dx_*dx_+dy_*dy_+dz_*dz_)
                    if dis_ < 1.e-3 then
                      link_ = sn_link(newnode_)
                      lid_  = sl_cid(link_)
                      sn_extra(newnode_) = 1
                      command
                        sel delete link range id lid_
                        sel link nid_ target node tgt_num nnid_
                      end_command
                      exit section
                    end_if
                  end_if
                end_loop
              end_if
            end_loop
          end_if
        end_if
      end_if
    end_if
  end_if
end_if

```

```
        nsel_pnt = sel_next(nsel_pnt)
    end_loop
end_if
end_section
end_loop
end_if
    sel_pnt = sel_next(sel_pnt)
end_loop
end
```