

```

finish
/clear

c***
c*** parametri
c***

! geometria
s = 2
d = 40
l1 = 500
l2 = 300
rc = 100
! carico
p = 100
! suddivisioni
ndivs_arc = 50

/prep7

! materiale e tipo di elemento
mp,ex,1,205000
mp,prxy,1,0.3
et,1,188,,,3
! proprietà sezione
sectype,1,beam,ctube,SezTub,5 ! high level of mesh refinement (thin-walled)
secdata,d/2-s,d/2,20

! geometria e mesh (linea)
k,1,0,0
k,2,l1-rc,0
k,3,l1-rc,rc
k,4,l1,rc
k,5,l1,l2
l,1,2
larc,2,4,3,rc
l,4,5
lesize,1,,,1
lesize,3,,,1
lesize,2,,,ndivs_arc
lmesh,all
/eshape,1

! vincolo e carico
nset,s,loc,x,0.0
d,all,all,0.0
nset,s,loc,y,l2
f,all,fx,p
alls
finish

c***
c*** soluzione
c***
/solu
solve
finish

c***
c*** post-processing
c***

! deformata
/post1
pldisp,2
*ask,if1,Premere Invio per proseguire,0

! etable della tensione di flessione:

```

```
TUBO_INFLESSO_beam188
! SByT Bending stress on the element +Y side of the beam
! SByT: SMISC 32(I) 37(J)
etable,SiBe_I,smisc,32
etable,SiBe_J,smisc,37
p11s,SiBe_I,SiBe_J
```