!PLANE182: 4-nodes, 2D element, 2DOF/NODE (UX,UY)

!Steel, E=210E3, Poisson’s ratio 0.3

!Units are mm and N (therefore, E and stress are N/mm^2 = MPa)

!Demonstrates LFILLT command

FINISH !Finishes any previous activity

/CLEAR !Clears any previous activity

/BATCH !Works in “batch” mode

/PREP7

!Define locations of key points.

K,1,0,0

K,2,0,20

K,3,30,20

K,4,30,10

K,5,50,10

K,6,50,0

L,1,2

L,2,3

L,3,4

L,4,5

L,5,6

L,6,1

RAD1=3

RAD2=6  
LFILLT,3,4,RAD1 !Creates a fillet of radius RAD1 between lines 3 and 4

LFILLT,4,5,RAD2 !Creates a fillet of radius RAD2 between lines 4 and 5