

SUBROUTINE NORMAL_2D(X,Y,XM,YM,XNM,YNM,SM,M,N,NDZ)

C **** X , Y : Center point of 2-D element

C ** XN , YN : Component of normal vector

C ** S : Length of element

C *****

REAL X(M,4),Y(M,4),XM(N),YM(N),XNM(N),YNM(N),SM(N)

DO 100 I=1,N

II=I*NDZ

XM(I)=.5*(X(II,1)+X(II,3))

YM(I)=.5*(Y(II,1)+Y(II,3))

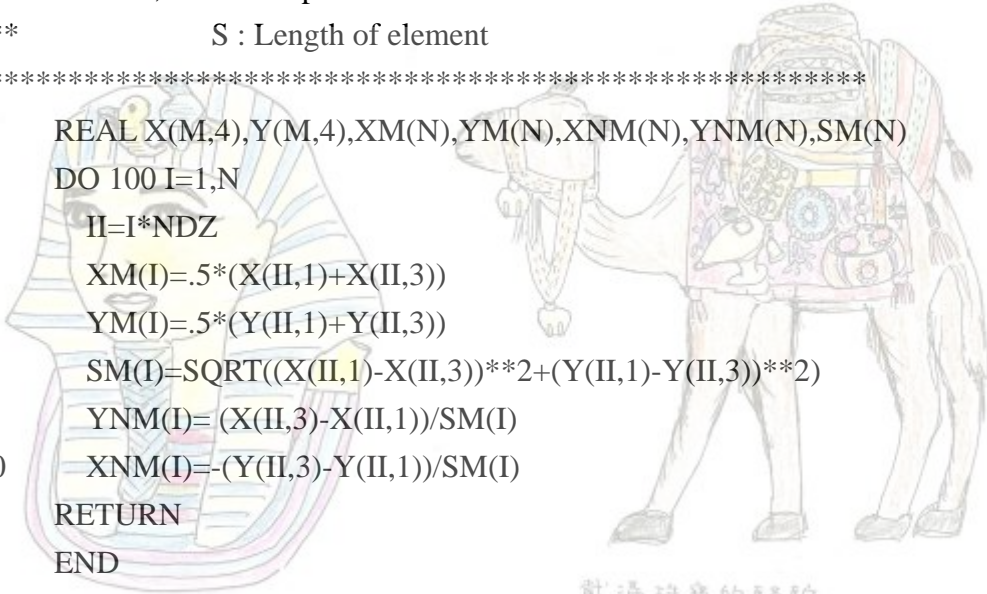
SM(I)=SQRT((X(II,1)-X(II,3))**2+(Y(II,1)-Y(II,3))**2)

YNM(I)=(X(II,3)-X(II,1))/SM(I)

100 XNM(I)=-(Y(II,3)-Y(II,1))/SM(I)

RETURN

END



載滿珠寶的駱駝

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載滿貨品的驢子



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