

SUBROUTINE MINVS(A,KO,N,EPS,ILL)

C *****

C 宣告 A(KO, KO)，使用 A(N, N)，矩陣必須從 1 開始

C KO<300

C ill=3000 輸入資料有誤，未計算

C ill≠0 計算錯誤

C *****

REAL A(KO,KO)

INTEGER X(300)

LOGICAL B

ILL=0

IF((KO.GE.N).AND.(N.GE.2).AND.(N.LE.300).AND.(EPS.GT.0.0)) GO TO

1

ILL=30000

RETURN

1 DO 10 I=1,N

X(I)=I

10 CONTINUE

DO 110 K=1,N

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M=K

W=0.0

DO 20 I=K,N

ABSA=ABS(A(I,K))

IF(ABSA.LE.W) GO TO 20

W=ABSA

M=I

20 CONTINUE

IF(M.EQ.K) GO TO 50

L=X(M)

X(M)=X(K)

X(K)=L

DO 40 J=1,N

W=A(K,J)

A(K,J)=A(M,J)

A(M,J)=W

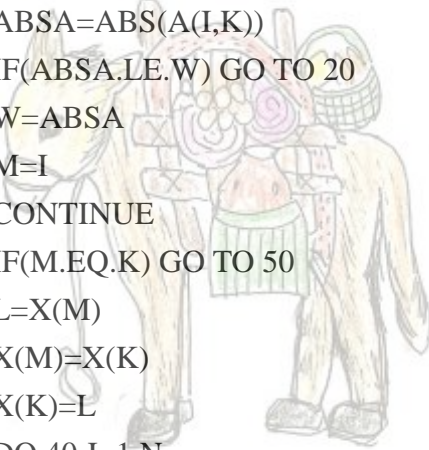
40 CONTINUE

50 IF(ABS(A(K,K)).GE.EPS) GO TO 60

ILL=K



載滿珠寶的駱駝



載滿寶物的驢子

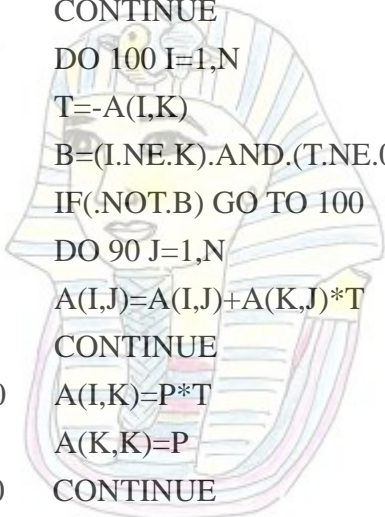


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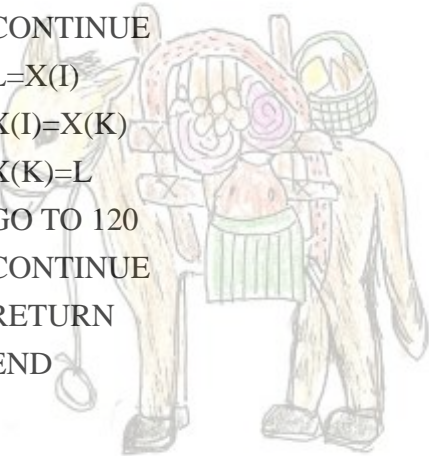
RETURN
60  P=1.0/A(K,K)
    DO 70 J=1,N
      A(K,J)=A(K,J)*P
70  CONTINUE
    DO 100 I=1,N
      T=-A(I,K)
      B=(I.NE.K).AND.(T.NE.0.0)
      IF(.NOT.B) GO TO 100
      DO 90 J=1,N
        A(I,J)=A(I,J)+A(K,J)*T
90  CONTINUE
100  A(I,K)=P*T
     A(K,K)=P
110 CONTINUE
    DO 140 I=1,N
120 IF(X(I).EQ.I) GO TO 140
     K=X(I)
     DO 130 J=1,N
       W=A(J,I)
       A(J,I)=A(J,K)
       A(J,K)=W
130 CONTINUE
     L=X(I)
     X(I)=X(K)
     X(K)=L
     GO TO 120
140 CONTINUE
RETURN
END

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