

O PROGRAMA «TEXAL»

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& JOB; TEXAL; 12/05/76;
& FORTRAN;
    DIMENSION NCT(10), IT(10, 24), NTL(10), NCL(10,
        99), IL(10, 99, 24), LINHA(144)
    READ(4, 100) NT
100  FORMAT(10)
    IF(NT . GT . 10 . OR . NT . LT . 1) STOP 1
    DO 50 I = 1, NT
    READ(4, 100) NCT(I)
    NCTI = NCT(I)
    IF(NCTI . GT . 24 . OR . NCTI . LT . 0) STOP 2
    IF(NCTI . NE . 0) READ(4, 101) (IT(I, J), J = 1,
        NCTI)
101  FORMAT(24A1)
50   CONTINUE
    DO 51 I = 1, NT
    READ(4, 100) NTL(I)
    NTLI = NTL(I)
    IF(NTLI . GE . 100 . OR . NTLI . LT . 2) STOP 3
    DO 51 II = 1, NTLI
    READ(4, 100) NCL(I, II)
    NCLI = NCL(I, II)
    IF(NCLI . GT . 24 . OR . NCLI . LT . 0) STOP 4
    IF(NCLI . NE . 0) READ(4, 101) (IL(I, II, J), J = 1,
        NCLI)
51  CONTINUE
    K = 0
53  IF(NCHAVE(2) . EQ . 1) GO TO 52
    K = K + 1
    GO TO 53
52  K = IABS(2 * K + 1)
    WRITE(2, 201)
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READ(4, 100) NEXC
IF(NEXC . LE . 0 . OR . NEXC . GT . 60) STOP 5
DO 300 NEX = 1, NEXC
NI = 0
DO 54 NO = 1, NT
NCTN = NCT(NO)
IF(NCTN . EQ . 0) GO TO 20
DO 55 J = 1, NCTN
55 LINHA(NI + J) = IT(NO, J)
NI = NI + NCTN
20 IF(NI . LE . 120) GO TO 30
NIME = NI - NCTN
WRITE(2, 200) (LINHA(J), J = 1, NIME)
DO 56 J = 1, NCTN
56 LINHA(J) = LINHA(NIME + J)
NI = NCTN
30 ITO = ALETOR(K) * NTL(NO) * .999999999
ITO = ITO + 1
NCLNI = NCL(NO, ITO)
IF(NCLNI . EQ . 0) GO TO 40
DO 57 J = 1, NCLNI
57 LINHA(NI + J) = IL(NO, ITO, J)
NI = NI + NCLNI
40 IF(NI . LE . 120) GO TO 54
NIME1 = NI - NCLNI
WRITE(2, 200) (LINHA(J), J = 1, NIME1)
DO 58 J = 1, NCLNI
58 LINHA(J) = LINHA(NIME1 + J)
NI = NCLNI
54 CONTINUE
200 FORMAT(1X, 120A1)
IF(NI . GT . 0) WRITE(2, 200) (LINHA(J), J = 1,
NI)
300 CONTINUE
WRITE(2, 201)
201 FORMAT(1H1)
STOP
END
& RUN;

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