

25/03/74/1153

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IDENT TEXT
SUBROUTINE TEXT
DIMENSION JOBMR(6)
DIMENSION ISKIP(36), INSER(36)
DIMENSION ISPSC(8), ISCOL(3), IPRPA(37)
DIMENSION ITEXT(200)
DIMENSION ISTAT(6), DBH(64), DBV(64), ARG(4)
DIMENSION KORY(53), KOR2(53), KLIN(16), KOL(16), KTK(16), KTH(16),
1 KTP(16), RO(11), IPARA(200)
DIMENSION RR(11), RV(11), RD(11)
DIMENSION INPT2(196), IOUT2(12), INPRC(200)
DIMENSION IVECX(20), IVECY(20), IVEB1(20), IVEU2(20)
DIMENSION JTEXT(200)
DIMENSION ITYPT(1)
DIMENSION SVIRP(10)
COMMON/FPCON/RHULH, RHULV, JOBMR, IFOGR, IDAY, IHORT, IYEAR, RIRV,
1 REF, REV, REILH, REILV
COMMON/SPCON/ISKIP, INSER, ISC, ISE, ISKSH, HOPT1, HOPTO, HOPTe
COMMON/P1CON/IPTA, ISCH, ISCV, IDEH, IDEV, ISSSH, ISPSC, ILIN, IOL, ISCR,
1 ISCL, ISCOL, ISTL, IPTG, IPOHD, IPOVD, IPOHT, IPOVT,
2 IHSP1, IHSP2, IHSP3, IHSPK, IHSPV,
3 IVSP1, IVSP2, IVSP3, IVSPK, IVSPV
COMMON/P2CON/SCH, SCV, SCX, SCY, DX, DY, HAXX, HAXY, ITEXT, N100,
1 IST32, IH00, KORTX
COMMON/PDCON/USEG, KOUNT, KOUNP, ISTAT, ISURD, ISHUR, DBH, DBV, IBLOK,
1 IOR, IOBY, IND, A1, A2, A3, A4, IREP, KAR, IREC
COMMON/BCCON/RX0, RY0, RZ0, RUB, NL0, RV0, RH0, RPO, RK0, RS0, RTO, RXT0,
1 RLS0, KORY, KOR2, KORU, KLIN, KOL, KTK, KTH, KTP
COMMON/HDCON/RXR, RYR, RZR, RUL, NLR, RVR, RHR, RPR, RCR, RSR, RTR,
1 RXV, RYV, RZV, RUV, RLV, RRV, RRV, RRV, RRV, RRV, RRV, RRV, RRV,
2 RXD, RYD, RZD, RUD, RLD, RVD, RHD, RPD, RCD, RSD, RTD,
3 HATR, HASK, HATV, HASV
COMMON/IOCON/INPT2, RIRP, JIR, IHER, IHSIN, IOUT2, ROUT, JOU
COMMON/KRCOM/IPLUS, IDASH, ISLAS, ICONA, IBLSP, IF1, IF2, IF3, IF4, IEO
COMMON/KRCOM/LRA, LRB, LRC, LRE, LRH, LRL, LRH, LRP, LRO, LRR, LRS, LRT,
1 LRU, LRY, LRZ, LR0, LRS
COMMON/TXCON/IVECX, IVECY, IVEB1, IVEU2, IDELT, IDELH, ICTC, IHBLK, INTOT,
1 X1T, X2T, Y1T, Y2T, RX1T, RX2T, RY1T, RY2T, DXBOX, DVBOX,
2 IHBOX, IHBOX, HBOX, IBOX, IPOH, IPOV, LINKT, IHMAX, ITEST,
3 IHT, IH1, IH2, IH3, IBR, IBRE, ISPSIL, KORYT, IADD,
4 JIRF, JIRB, ISTLF, ISTLB, ISTLG, IPTGF, IPTGB, IPTGG
COMMON/T2CON/JTEXT
COMMON/SVCON/SVIRP
EQUIVALENCE (IPRPA(1), IPTA)
EQUIVALENCE (ARG(1), A1)
EQUIVALENCE (IPARA(1), RO(1), RX0)
EQUIVALENCE (RR(1), RXR), (RV(1), RYV), (RD(1), RYD)
EQUIVALENCE (INPRC(1), INPT2(1))
DATA ITYPT(1)/2HT0/

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C *** PROCESSING OF T AND U ORDER
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3000 CALL SKP( IBLSP )
CALL GKR(KAR)
IF(KAR.EQ. IF2) GO TO 3050
IF(IREP.NE.0) GO TO 3010
CALL GTARG(4, IERAR)
IF(IERAR.NE.0) GO TO 3090
X1T=A1

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X2T=A2
V1T=A3
V2T=A4
GO TO 3020
3010 IF (KAR.EQ.LR5) GO TO 3015
CALL GTARG(1,IERR)
IF(IERR.NE.0)GO TO 3090
IF (IREP.EQ.2) GO TO 3012
V2T=V2T+A1-V1T
V1T=A1
GO TO 3020
3012 X1T = X1T+A1-X2T
X2T=A1
GO TO 3020
3015 CALL SKP(LR5)
CALL GTARG(1,IERR)
IF (IERR.NE.0) GO TO 3090
IF (IREP.EQ.2) GO TO 3017
V1T = V2T
V2T = A1
GO TO 3020
3017 X1T = X2T
X2T = A1
3020 JINF=JIN
JJJIN = JIN
ISTLF=ISTL
ISTLG=ISTL
IPTGF=IPTG
IPTGG=IPTG
NBOX=1
3025 CALL GKR(KAR)
CALL INJIN
IF(KAR.EQ.IF3)NBOX=NBOX+1
IF (KAR.NE.IE0)GO TO 3025
RX1T = -X1T*SCX-DX
RX2T = -X2T*SCX-DX
RV1T = V1T*SCY+DY
RV2T = V2T*SCY+DY
IF (IAFIX(RX1T).GT.NAXX) GO TO 3085
IF (IAFIX(RX2T).GT.NAXX) GO TO 3085
IF (IAFIX(RV1T).GT.NAXY) GO TO 3085
IF (IAFIX(RV2T).GT.NAXY) GO TO 3085
DXBOX = RX2T-RX1T
DYBOX = RV2T-RV1T
LOGT = IOR-LRT
RBOX = FLOAT(NBOX)
IF (LOGT.EQ.0) DYBOX=DYBOX/RBOX
IF (LOGT.NE.0) DXBOX=DXBOX/RBOX
INBOX = IFIX(-DXBOX)
INBOX = IFIX(DYBOX)
IF (LOGT.EQ.0) DXBOX=0.0
IF (LOGT.NE.0) DYBOX=0.0
IPOH = IPOHT
IPOV = IPOVT
GO TO 7000
3050 CALL SKP(IF2)
CALL KONR(IPOHT)
IF (INVAL(1,IPOHT,12).NE.0) GO TO 3060
CALL SKP(1BLSP)

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CALL KONH(IPOVT)
IF (IRVAL(1, IPOVT, 3), NE. 0) GO TO 3060
CALL SKP(IBLSP)
CALL KONH(ISTL)
IF(ISTL.LT. 0)GO TO 3060
CALL SKP(IBLSP)
CALL KONH(IPTG)
IF(IPTG.LT. 0)GO TO 3060
CALL P1P2T
IND = 3
GO TO 9000
3060 CALL MES1R(13, ITVPT, 2)
GO TO 3050
3085 CALL MES(5)
GO TO 3095
3090 CALL MES(16)
3095 IND=2
GO TO 9000
7000 ITEST = 1
IBOX = 1
7005 JIN = JJRF
ISTL = ISTLF
IPTG = IPTGF
CALL P1P2T
7010 JINB = JIN
ISTLB = ISTL
IPTGB = IPTG
LINKT = 1
IIMAX = 0
IHT = 0
IADD = 0
7015 IH1 = 0
IH2 = IH0G
IH3 = 0
ICTC = 0
IHBLK = 0
INTOT = 0
ISPSN = 0
7020 CALL GKR(KAR)
CALL IHJH
IF(KAR. NE. IF2) GO TO 7030
CALL SKP(IF2)
CALL GKR(KAR)
CALL IHJH
IF(KAR. EQ. 162)GO TO 7021
IF(KAR. EQ. 136)GO TO 7022
GO TO 8950
7021 CALL KONH(ISTL)
IF(ISTL.LT. 0)GO TO 8950
GO TO 7025
7022 CALL KONH(IPTG)
IF(IPTG.LT. 0)GO TO 8950
7025 CALL P1P2T
IH2 = MAX2(IH2, IH0G)
GO TO 7020
7030 CALL RECOV(KORVT, IBR, NKN, KAR)
IF (IRVAL(116, KAR, 118), NE. 0) GO TO 7040
IF(ISPSN.GT. 0)GO TO 7035
IH1 = IH1+IBR

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GO TO 7020
7035 IH3 = IH3+IBR
ISPSW = 2
GO TO 7020
7040 IF (IRVAL(112,KAR,114).NE.0) GO TO 7050
IF (KAR.EQ.1BLSP) INBLK=INBLK+IBR
ICTC = ICTC+1
7050 IF((KAR.EQ.120).OR.(KAR.EQ.1E0).OR.(KAR.EQ.1F3))GO TO 7100
IF(ISPSW.GT.1)GO TO 8955
IF (NKR.EQ.0) CALL RES(23)
INTOT = INTOT+IBR
ICTC = ICTC+2
ISPSW = 1
GO TO 7020
7100 IVECX(LINKT) = INT+IH1+IH2
IVECY(LINKT) = INTOT
IVEB1(LINKT) = INBLK
IVEU2(LINKT) = ICTC-2
INT = INT+IH1+IH2+IH3
INMAX = MAX2(INMAX,INTOT)
IF((KAR.EQ.1E0).OR.(KAR.EQ.1F3))GO TO 7150
LINKT = LINKT+1
IF(LINKT.GT.20)GO TO 8965
GO TO 7015
7150 IF(ITEST.EQ.0)GO TO 7300
IF(INMAX.GT.INBOX)GO TO 7180
IF(INT.GT.INBOX)GO TO 7190
GO TO 8300
7180 CALL RES(34)
GO TO 7200
7190 CALL RES(33)
7200 CALL INSTPT
IF(NIMP.EQ.1)GO TO 8990
IF (NIMP .GT. 4) GO TO 7210
CALL SKP(1F2)
CALL KONH(1STLF)
IF(1STLF.LT.0)GO TO 8950
CALL SKP(1BLSP)
CALL KONH(1PTGF)
IF(1PTGF.LT.0)GO TO 8950
GO TO 7000
7210 CALL GTARG (4,IERAR)
IF (IERAR .NE. 0) GO TO 7211
X1T = A1
X2T = A2
V1T = A3
V2T = A4
CALL HOVEN (SVIMP,1,10,INPTZ,1)
JIR = JJJIR
GO TO 3020
7211 CALL HOVEN (SVIMP,1,10,INPTZ,1)
CALL RES (62)
GO TO 7200
7300 IX1=JNTAS(RX1T+DXBOX*FLOAT(1BOX-1))
IV1=JNTAS(RV1T+DVBOX*FLOAT(1BOX-1))
DO 7400 JC=1,LINKT
IDELT=INBOX-IVECY(JC)
IDELM = INMAX-IVECY(JC)
INXBX = INBOX-INMAX

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IHBLK = IVEB1(JC)
ICTC = IVEU2(JC)
GO TO (7301, 7302, 7303, 7304, 7305, 7306, 7307, 7308, 7309, 7310,
1      7311, 7312), IPOH
7301 JD=0
GO TO 7320
7302 JD=IDELT/2
GO TO 7320
7303 JD=IDELT
GO TO 7320
7304 JD=IDELH/2
GO TO 7320
7305 JD=IDELT-IDELH/2
GO TO 7320
7306 IHBLK = ICTC
ICTC=IDELT
GO TO 7301
7307 ICTC=IHBLK+IDELT
GO TO 7301
7308 JD=0
GO TO 7319
7309 JD=IHXXB/2
GO TO 7319
7310 JD=IHXXB
GO TO 7319
7311 JD=IDELH
GO TO 7320
7312 JD=IHXXB
GO TO 7320
7319 ICTC=IHBLK+IDELH
7320 IVECY(JC)=IV1+JD
IVEB1(JC) = IHBLK
IVEU2(JC)=ICTC
7400 CONTINUE
DO 7500 JC=1, LINKT
GO TO(7401, 7402, 7403), IPOV
7401 JD=0
GO TO 7420
7402 JD=(IHBOX-IHT)/2
GO TO 7420
7403 JD=IHBOX-IHT
7420 IVECX(JC)=IX1-JD-IVECX(JC)+IHT0
7500 CONTINUE
JIN=JINB
ISTL=ISTLB
IPT0=IPT0B
CALL P1P2T
IF(MATH.NE.MATV)CALLVERV
DO 8200 JC=1, LINKT
NXT=IVECX(JC)
NVT=IVECY(JC)
CALL SPAX1(IVEB1(JC), IVEU2(JC))
8005 CALL GKR(KAR)
CALL IHJIN
IF (IRVAL(116, KAR, 118).EQ.0) GO TO 8005
IF(KAR.EQ.1F2)GO TO 8100
IF(KAR.EQ.120.OR.KAR.EQ.1E0.OR.KAR.EQ.1F3)GO TO 8200
CALL RECOV(KORVT, IBE, REN, KAR)
IBRE=0

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IF (INVAL(112, KAR, 114). EQ. 0) GO TO 8030
CALL ERT(JTEXT(KAR), K1, K2)
N100=N100-100
NYN=NYT+JTEXT(1)+(JTEXT(3)*N100)/100+(K1*N100)/100
NYV = NYT+JTEXT(2)+(JTEXT(4)*N100)/100+(K2*N100)/100
NYW=NYN*(FLOAT(N150)*.0001)
NSN=2
IF (NOPT0. EQ. 0) GO TO 8020
DO 8010 KT=1, 10
ND(KT)=NR(KT)-NV(KT)
8010 CONTINUE
NKD=IDISK(NKY, NKR)
CALL FIL1(129, -1)
CALL FIL2(NND, 3)
CALL FIL2(NVD, 7)
CALL FIL2(NND, 6)
IF(NND. EQ. 0)GO TO 8015
CALL FIL2(NPD, -1)
8015 CALL FIL1(NKD, 5)
CALL FIL1(NSD, 4)
CALL FIL1(NTD, 2)
IF(IPT6. GT. 9) CALL FIL1(129, -1)
IF(IPT6. GT. 14)CALL FIL1(129, -1)
NOUT = JDU-1
CALL OUTP1
8020 IADD = 1
ISTAT(5) = ISTAT(5) + 1
CALL NOVEN(NN, 6, 11, NV, 6)
NTD=0
NYV = NYN
IF(IPON. NE. 6)GO TO 8050
CALL SPAX2(2, IBRE)
GO TO 8050
8030 IF (INVAL(6, IPON, 10). NE. 0) GO TO 8050
IF (IPON. NE. 6) GO TO 8035
CALL SPAX2(3, IBRE)
GO TO 8050
8035 IF (KAR. NE. IBLSP) GO TO 8050
CALL SPAX2(1BR, IBRE)
IBR = 0
8050 NYT=NYT+IBR+IBRE
GO TO 8005
8100 CALL SKP(IF2)
CALL GER(KAR)
CALL INJIN
IF(KAR. EQ. 162)CALL KONH(ISTL)
IF(KAR. EQ. 136)CALL KONH(IPT6)
CALL P1P2T
IF(MATR. NE. NATV)CALL VERV
GO TO 8005
8200 CONTINUE
ISTAT(4) = ISTAT(4) + IADD
8300 IBOX=IBOX+1
IF(IBOX. LE. NBOX)GO TO 7010
IF(ITEST. EQ. 0)GO TO 8990
ITEST=0
IBOX=1
IF(NBOX. EQ. 1)GO TO 7300
GO TO 7005

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8950 CALL MES(25)
      GO TO 7200
8955 CALL MES(31)
      GO TO 8990
8965 CALL MES(32)
8990 I STL=I STL6
      IPTG=IPTG6
      CALL P4P2T
      IND=6
9000 RETURN
      END
F/MESSAGE 7F00
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