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0 'SORTMGM, take sorted files and merge, THOR 1/80
10 FG$="SORTMGM"
20 'Called from SORT.
30 UNLOAD:MOUNT:CLOSE:CLEAR:CLEAR5000
40 DIM I$(3)
50 OPEN "I",1,"*SORT*",1:INPUT#1,F1$,D1,DT,WF,F2$,D2,NB:CL +
   OSE1
60 A=1:DB(1)=DT
70 READ B:IF B=DT THEN 70 ELSE A=A+1:DB(A)=B:IF A<4 THEN 70
80 OPEN "R",1,"*SORTF*",DT:FIELD 1,5ASSS$,8ASFQ$,3ASDD$:GE +
   T1,1:SN=VAL(SS$)
90 TN=VAL(FQ$):LSET FQ$=STR$(TN+1):PUT 1,1
100 IF SN=2 THEN PF=-1 ELSE IF SN<2 THEN PRINT "****SORT +
   ERROR****":END
110 GET 1,2:T1$=LEFT$(FQ$,VAL(SS$)):T1=VAL(DD$)
120 GET 1,3:T2$=LEFT$(FQ$,VAL(SS$)):T2=VAL(DD$):CLOSE 1
130 T3$="MG-" + MID$(STR$(TN),2)
140 IF PF THEN T3$=F1$
150 CLOSE 1,2,3
160 OPEN "R",1,T1$,T1:FIELD1, (WF) AS I$(1)
170 OPEN "R",2,T2$,T2:FIELD2, (WF) AS I$(2)
180 PRINT "Sorting file "T1$,"T1" and "T2$,"T2
190 P1=3:P2=3:P3=2:GET1,1:L1=VAL(I$(1))+2:GET2,1:L2=VAL(I +
   $(2))+2:IF PF THEN P3=1
200 FOR A=1 TO 4:IF DSKF(DB(A))*(1000/128)<(L1+L2)*1.2 TH +
   EN NEXT A:GOTO 800
210 IF NOT PF THEN T3=DB(A) ELSE T3=DT
215 PRINT "Into file "T3$,"T3
220 OPEN "R",3,T3$,T3:FIELD3, (WF) AS J$
230 GET1,2:GET2,2
240 IF I$(1)>I$(2) THEN 250 ELSE 290
250 N=2:PRINT N:P3,I$(N):LSET J$=I$(N):PUT 3,P3:P3=P3+1
260 GET 2,P2:P2=P2+1:IF P2<=L2 THEN 240 ELSE N=1
270 PRINT N:P3,I$(N):LSET J$=I$(N):PUT 3,P3:P3=P3+1:GET 1 +
   ,P1:P1=P1+1
280 IF P1>L1 THEN 330 ELSE 270
290 N=1:PRINT N:P3,I$(N):LSET J$=I$(N):PUT 3,P3:P3=P3+1
300 GET 1,P1:P1=P1+1:IF P1<=L1 THEN 240 ELSE N=2
310 PRINT N:P3,I$(N):LSET J$=I$(N):PUT 3,P3:P3=P3+1:GET 2 +
   ,P2:P2=P2+1
320 IF P2>L2 THEN 330 ELSE 310
330 IF NOT PF THEN PRINT "Total"P3-2 ELSE PRINT "Total fo +
   r all"P3-1:IF P3-1=NB THEN PRINT "All data sorted---veri +
   fied" ELSE PRINT "All data sorted---NOT VERIFIED!":OUT 1 +
   7,7:OUT17,7
340 IF NOT PF THEN LSET J$=STR$(P3-2):PUT 3,1
350 CLOSE:OPEN "R",3,"*SORTF*",DT:FIELD3,5ASSS$,8ASFQ$,3ASDD$
360 IF PF THEN 430 ELSE GET 3,1:SN=VAL(SS$)
370 FOR PV=2 TO SN:GET 3,PV+1:PUT 3,PV-1:NEXT PV
380 GET3,1:SN=SN-1:LSET SS$=STR$(SN):PUT 3,1
390 LSET SS$=STR$(LEN(T3$)):LSET FQ$=T3$:LSET DD$=STR$(T3 +
   ):PUT 3,SN+1
400 FOR PV=1 TO SN:GET 3,PV+1:PRINT FQ$:DD$:NEXT PV

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410 GET3,1:LSET FQ$=STR$(TN+1):PUT 3,1
420 CLOSE
430 KILL T1$,T1:KILL T2$,T2
440 IF PF THEN RUN F2$,D2
450 RUN "SORTMGM",1
460 C=0:C1=1
470 C2=INSTR(C1,FS$,"-"):IF C2=0 THEN RETURN ELSE C1=C2+1 +
    :C=C+1:GOTO 470
480 DATA 2,3,0,1
800 PRINT "Insuficient disk room to continue."
810 PRINT "ABORTING SORT."
820 END

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[illegible]

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[illegible]