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0 'WP MENU, WORD PROCESSING MENU, THOR 11/25/79
1 CLEAR 4000
2 ON ERROR GOTO 54500
3 FN$="WORD PROCESSING MENU"
4 GOSUB 50000
300 POKE BASE%+35,1
330 PF$="WORD PROCESSING MENU":GOSUB 2100:
1000 PRINT:Q$="WHICH SELECTION DO YOU WISH TO MAKE? "
1010 QT=0:Q=0:GOSUB 51000
1012 IFR$="" THEN 1045 ELSEIF R$="END" THEN 19900
1013 FOR I=0 TO NM
1014 IF R$=P$(I) THEN RUN "$WP."+P$(I),DK%(0) ELSE NEXT I
1045 GOSUB 54000: GOTO 1000
2100 'SUBROUTINE MENU DISPLAY
2108 SWAP FN$,PF$:GOSUB 50900:SWAP FN$,PF$
2110 PRINT TAB(36);"-----":
2112 RESTORE
2114 READ TP$:IF TP$<>PF$ THEN 2114
2116 READ NM$,MM$:NM=VAL(NM$)-1
2118 IF RA=-1 THEN ERASE P$:ERASE M$
2120 DIM P$(NM),M$(NM):RA=-1
2122 FOR I=0 TO NM:READ P$(I),M$(I):NEXT I
2124 PRINT:PRINT MM$:PRINT
2226 FOR I=0 TO NM:PRINT TAB(20);P$(I);TAB(30);M$(I):NEXT I
2229 RETURN
10000 DATA WORD PROCESSING MENU,5,YOU MAY SELECT ANY OF T +
HE FOLLOWING ACTIVITES:
10010 DATA DFLT,DEFAULT SETUP
10020 DATA EDT,EDITOR PROGRAM
10030 DATA FMT,FORMAT PROGRAM
10040 DATA STA,STARTUP PROGRAM
10070 DATA END,END SYSTEM SELECTION
19900 ON ERROR GOTO 0:PRINT
19950 PRINT"END OF "+FN$:PRINT
19980 RUN "MENU"
50000 DIM DK%(5):DK%(0)=0:D=DK%(0):BELL$=CHR$(7)
50005 XS$=SPACE$(255)
50030 SC$=CHR$(27)+"*":WIDTH 80:WP=16
50035 BASE%=&HE678:DL%=BASE%+30:SM=1
50190 VS$="THE ALTAIR BUSINESS SYSTEM"
50499 RETURN
50900 PRINT SC$:PRINT:PRINT:PRINTTAB((80-LEN(VS$))/2);VS$
50910 PRINTTAB((80-LEN(FN$))/2);FN$:PRINT
50990 RETURN
51000 PRINT TAB(QT);Q$:
51010 FOR RL=1 TO 255
51020 WAIT WP,SM: CH=INP(WP+1) AND 127
51030 IF CH=13 THEN GOTO 51050
51034 IF CH=24 THEN PRINT"%CAN":GOTO 51000
51038 IF CH=127 THEN IF RL=1 THEN GOTO 51020 ELSE RL= +
RL-1:OUT WP+1,8:OUT WP+1,32:OUT WP+1,8:GOTO 51020
51039 OUT WP+1,CH
51040 MID$(XS$,RL,1)=CHR$(CH)

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51045 NEXT RL
51050 RL=RL-1:R$=MID$(XS$,1,RL)
51060 PRINT:RL$=LEFT$(R$,1):IFRL$="?"THENGOTO51070
51065 IF R$="END" THEN GOTO 19900 ELSE RETURN
51070 IF Q>0 THEN GOSUB 59000:GOTO 51000
51080 IF Q<=0 THEN PRINT "FOR FURTHER EXPLANATION, SEE TH +
    E OPERATORS MANUAL":GOTO 51000
51090 GOTO51000
54000 PRINT"*** INVALID ENTRY. PLEASE REENTER. ***";BELL +
    $:RETURN
54500 PRINT:PRINT"    BASIC ERROR NUMBER ";ERR;" LINE NO.  +
    ";ERL
54510 PRINT"    CONSULT DOCUMENTATION FOR EXPLANATION. "
54520 PRINT:PRINT"ABNORMAL END OF JOB ":PRINT
54530 FORI=1TO400:PRINTBELL$;:NEXT:CLOSE:RESUME 19900
54600 PRINT:PRINT "*** GENERAL LEDGER $SYSTEM FILE NOT FO +
    UND. CAN'T CONTINUE. ***":RETURN
54650 PRINT:PRINT "*** $SYSTEM FILE INITIALIZED IMPROPERL +
    Y. CAN'T CONTINUE. ***":RETURN
    
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Total of 2 pages + 2 banner

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0 '$WP.DFLT, WP DEFAULT SET PROGRAM, RDR, 8/27/77
1 ON ERROR GOTO 54500
2 CLEAR 3000
3 FN$="SET DEFAULT PARAMETERS"
4 GOSUB 50000
1100 '
1101 'SUBROUTINE TO INSURE THAT DISKETTES ARE MOUNTED
1103 PRINT
6000 PRINT:PRINT"*** PROGRAM TO EXAMINE/CHANGE THE DEFAUL +
    T PARAMETERS ***"
6010 GOSUB 8000 'INITIALIZE DATA STMTS & ARRAYS
6020 GOSUB 6500 'OPEN CURRENT DEFAULT FILE (IF ANY)
6030 FOR I=1 TO TE: GOSUB 7500: NEXT I 'GET INPUT (FIRST +
    15 ITEMS)
6040 IF VAL(VV$(TE))=0 GOTO 6400 'GET TABS, IF ANY
6060 FOR I=TE+1 TO (VAL(VV$(TE))+TE): GOSUB 7500: NEXT I
6065 IF VAL(VV$(TE))=20 THEN GOTO 6400
6070 FOR I=(VAL(VV$(TE))+TE+1) TO 36: VV$(I)="": NEXT
6400 GOSUB 7000 'WRITE AND CLOSE
6490 GOTO 19900 'END OF DEFAULT SETUP
6500 ON ERROR GOTO 9000 'ERROR IF NO FILE
6520 OPEN "I",1,"$WP.DFLT",DKZ(0)
6540 FOR I=1 TO TE+2: INPUT #1,VV!(I): NEXT
6560 IF VV!(TE+2)<>0 THEN FOR I=1 TO VV!(TE+2): INPUT #1, +
    VV!(I+TE+2): NEXT
6600 II=1
6620 FOR I=1 TO TE+2
6640 IV=VV!(I): X$=" "
6650 IF I<>1 GOTO 6680
6660 IF IV=0 THEN X$="S" ELSE IF IV=1 THEN X$="C" ELSE X$ +
    ="R"
6670 GOTO 6820
6680 IF I=12 OR I=13 OR I=14 THEN GOTO 6690 ELSE GOTO 6750
6690 IF I=12 AND IV<>0 THEN VV$(12)="A": GOTO 6730
6700 IF I=13 AND IV<>0 THEN VV$(12)="F": GOTO 6730
6710 IF I=14 AND IV<>0 THEN VV$(12)="R": GOTO 6730
6730 IF I=14 THEN II=II+1
6740 GOTO 6840
6750 IF I<>16 THEN GOTO 6780
6760 IF IV=0 THEN X$="R" ELSE X$="C"
6770 GOTO 6820
6780 IF I<>17 GOTO 6802
6790 IF IV=0 THEN X$="N" ELSE X$="Y"
6800 GOTO 6820
6802 IF I<>2 THEN 6810
6804 IF IV=0 THEN VV$(2)="H" ELSE VV$(2)="F"
6805 GOTO 6830
6810 X$=STR$(IV)
6820 VV$(II)=X$
6830 II=II+1
6840 NEXT I
6850 IF VV!(TE+2)<=0 THEN GOTO 6900
6860 FOR I=TE+1 TO 36

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6870 VV$(I)=STR$(VV!(I+2))
6890 NEXT I
6900 CLOSE: ON ERROR GOTO 54500
6910 RETURN
7000 OPEN "O",1,"$WP.DFLT",DK%(0)
7010 II=1: VV!(12)=0: VV!(13)=0: VV!(14)=0
7020 FOR I=1 TO 36
7030 IV$=VV$(I): X!=0
7040 IF I=10R I=2 OR I=12 OR I=14 OR I=15 THEN GOTO 7050
7045 X!=VAL(IV$): GOTO 7200
7050 IF I<>1 GOTO 7080
7060 IF IV$="S" THEN X!=0 ELSE IF IV$="C" THEN X!=1 ELSE +
  IF IV$="Q1"
    THEN X!=2 ELSE IF IV$="Q2" THEN X!=3 ELSE X!=4
7070 GOTO 7200
7080 IF I<>2 THEN GOTO 7100
7090 IF IV$="H" THEN VV!(2)=0 ELSE VV!(2)=1
7095 GOTO 7210
7100 IF I=12 AND IV$="A" THEN VV!(12)=255: II=II+3: GOTO +
  7220
7110 IF I=12 AND IV$="F" THEN VV!(13)=255: II=II+3: GOTO +
  7220
7120 IF I=12 THEN VV!(13)=255: II=II+3: GOTO 7220
7150 IF I=14 THEN IF IV$="C" THEN X!=255
7160 IF I=15 THEN IF IV$="Y" THEN X!=255
7200 VV!(II)=X!
7210 II=II+1
7220 NEXT I
7250 FOR I=1 TO 38: PRINT #1, VV!(I);: NEXT 'WRITE HERE
7490 CLOSE: RETURN
7500 IF I>TE THEN PRINT "TAB SETTING # "+STR$(I-TE);: ELS +
  E PRINT IT$(I);
7510 PRINT TAB(42);VV$(I);TAB(64);:Q$=" "
7520 RI=-1
7530 IF I>TE THEN GOSUB 51200: GOTO 7540
7535 IF IC$(I)="A" THEN GOSUB 51000 ELSE GOSUB 51200
7540 IF I<=TE GOTO 7560
7545 IF LEN(R$)=0 THEN PRINT VV$(I) ELSE VV$(I)=R$: PRINT
7550 GOTO 7940
7560 IF LEN(R$)>IL(I) THEN GOSUB 54000: GOTO 7500
7565 IF LEN(R$)=0 THEN PRINT VV$(I): R$=VV$(I): ELSE VV$ +
  (I)=R$: PRINT
7570 IF I<>1 THEN GOTO 7580 ELSE IF (R$="S" OR R$="C" OR +
  R$="Q") THEN GOTO 7580 ELSE PRINT: GOSUB 54000: GOTO 7500
7580 IF I<>11 THEN GOTO 7600 ELSE IF (VAL(R$)=1 OR VAL(R$ +
  )=2 OR VAL(R$)=3) THEN GOTO 7600 ELSE PRINT: GOSUB 54000 +
  : GOTO 7500
7600 IF I=12 OR I=13 OR I=14 GOTO 7800 ELSE GOTO 7860
7800 IF I<>11 GOTO 7820 ELSE IF (R$="1" OR R$="2" OR R$=" +
  3")
  THEN GOTO 7820 ELSE PRINT: GOSUB 54000: GOTO 7500
7820 IF I<>12 GOTO 7840 ELSE IF (R$="A" OR R$="F" OR R$=" +
  R")
  THEN GOTO 7840 ELSE PRINT: GOSUB 54000: GOTO 7500

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7840 IF I<>14 THEN 7860 ELSE IF R$="C" OR R$="B" THEN GOT +
  0 7860 ELSE GOSUB 54000: GOTO 7500
7860 IF I<>15 GOTO 7880 ELSE IF (R$="Y" OR R$="N")
  THEN GOTO 7880 ELSE PRINT: GOSUB 54000: GOTO 7500
7880 IF I=16 AND VAL(R$)>20 THEN GOSUB 54000: GOTO 7500
7890 IF I=2 AND R$<>"F" AND R$<>"H" THEN GOSUB 54000: GOTO 7500
7940 RI=0
7950 RETURN
8000 PRINT:PRINT "*** NOTE: THE DEFAULT VALUE IS THE VALU +
  E ASSUMED IF YOU"
8020 PRINT"          HIT 'RETURN' WITH NO ENTRY FOR THAT +
  ITEM ***"
8040 PRINT
8060 PRINT"-----ITEM-----          --CU +
  RRENT(DEFAULT)--  --YOUR ENTRY--"
8100 TE=16 'TOTAL ELEMENTS (ARRAY SIZE)
8120 DATA PRINTER TYPE (S: C: Q),2,A
8130 DATA HARD OR FLOPPY DISK (H OR F),1,A
8140 DATA CHARACTERS PER INCH (HORIZONTAL),2,N
8160 DATA LINES PER INCH (VERTICAL),2,N
8180 DATA PHYSICAL PAGE WIDTH (INCHES),5,N
8200 DATA PHYSICAL PAGE HEIGHT (INCHES),5,N
8220 DATA LEFT MARGIN WIDTH (INCHES),5,N
8240 DATA RIGHT MARGIN WIDTH (INCHES),5,N
8260 DATA TOP MARGIN WIDTH (INCHES),5,N
8280 DATA BOTTOM MARGIN WIDTH (INCHES),5,N
8300 DATA SPACING (1=SINGLE: 2=DOUBLE: 3=TRIPLE),1,N
8320 DATA JUSTIFICATION (A=ASIS: F=FULL: R=RIGHT),1,A
8340 DATA PARAGRAPH INDENTATION (CHARACTERS),2,N
8360 DATA CONTINUOUS OR BURST FORMS (C OR B),1,A
8380 DATA ERROR MESSAGES IN OUTPUT (Y OR N),1,A
8400 DATA NUMBER OF TAB SETTINGS (MAXIMUM 20),2,N
8420 DIM IT$(TE),IL(TE),IC$(TE),VV$(36),VV!(38)
8440 FOR I=1 TO 35:VV$(I)=" ":NEXT
8450 FOR I=1 TO 37:VV!(I)=0: NEXT
8460 FOR I=1 TO TE: READ IT$(I),IL(I),IC$(I): NEXT
8480 RESTORE
8500 RETURN
9000 IF ERR<>53 AND ERR<>62 THEN GOTO 54500
9020 PRINT:PRINT "*** DEFAULT FILE WAS NOT FOUND.  ASSUMIN +
  G NEW SYSTEM START. ***"
9040 PRINT
9060 ON ERROR GOTO 54500
9080 WIDTH 80
9120 FOR I=1 TO 35:VV$(I)=" ": NEXT
9130 FOR I=1 TO 37:VV!(I)=0: NEXT
9140 CLOSE:RESUME 9160
9160 RETURN
19900 ON ERROR GOTO 0
19910 CLOSE
19920 PRINT:PRINT"END OF "+FN$:PRINT
19990 IF PEEK(BASE%+35)=0 THEN RUN "WP MENU",DKZ(0)
19995 RUN "WP MENU",DKZ(0)
50000 SC$=CHR$(27)+"*"

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50010 W=80: WIDTH W
50020 DK%(0)=0
50030 BASE%=&HE678
50040 WP=16: SM=1
50050 XS$=SPACE$(255)
50060 BELL$=CHR$(7)
50190 VS$="WORD PROCESSING": VC$="THE ALTAIR SYSTEM"
50900 PRINT SC$:PRINT:PRINT:PRINTTAB((W-LEN(VC$))/2);VC$: +
PRINTTAB((W-LEN(VS$))/2);VS$
50910 PRINTTAB((W-LEN(PN$))/2);PN$:PRINT
50990 RETURN
51000 PRINT TAB(QT);Q$;
51010 FOR RL=1 TO 255
51020     WAIT WP,SM: CH=INP(WP+1) AND 127
51030     IF CH=13 THEN GOTO 51050
51034     IF CH=24 THEN PRINT"%CAN":GOTO 51000
51038     IF CH=127 THEN IF RL=1 THEN GOTO 51020
                    ELSE RL=RL-1:OUT WP+1,8:OUT WP+1,32:0 +
UT WP+1,8:GOTO 51020
51039     OUT WP+1,CH
51040     MID$(XS$,RL,1)=CHR$(CH)
51045 NEXT RL
51050 RL=RL-1:R$=MID$(XS$,1,RL)
51055 IF NOT RI THEN PRINT
51060 RL$=LEFT$(R$,1):IFRL$="?" THEN GOTO 51070
51065 IF R$="END" THEN GOTO 19900 ELSE RETURN
51070 IFQ>0 THEN GOSUB 59000:GOTO 51000
51080 IFQ<=0 THEN PRINT"FOR FURTHER EXPLAINATION SEE THE OF +
ERATOR'S MANUAL"
51090 GOTO 51000
51200 GOSUB 51000:N!=0:IFR$=E$ THEN RETURN ELSE DP=0:DG=0
51220 IFLEFT$(R$,1)=" " THEN R$=MID$(R$,2):GOTO 51220
51230 IFLEN(R$)=0 GOTO 51290
51240 FORJJ=1 TO LEN(R$):CH=ASC(MID$(R$,JJ,1))
51250 IFCH>47 AND CH<58 THEN DG=1:GOTO 51280
51260 IFCH=46 THEN DP=DP+1:IFDP>1 THEN GOSUB 54000:GOTO 51200EL +
SEGOTO 51280
51270 IF(CH<>45 AND CH<>43) OR JJ<>1 THEN GOSUB 54000:GOTO 51200
51280 NEXTJJ:IFDG=0 THEN GOSUB 54000:GOTO 51200
51290 N!=VAL(R$):IF(N!>=LB! AND N!<=UB!) OR LB!=UB! THEN RETURN
51300 GOSUB 54200:GOTO 51200
51400 GOSUB 51000:IFLEN(R$)=0 THEN MD=0:DA=0:YR=0:RETURN
51420 IFLEN(R$)<6 OR LEN(R$)>8 GOTO 51450
51422 MD=INSTR(R$,"/"):IF MD=0 GOTO 51450
                    ELSE IF MD=2 THEN R$="0"+R$
51424 DA=INSTR(4,R$,"/"):IF DA=0 GOTO 51450
51426 IF DA=5 THEN RL$=LEFT$(R$,3):R$="0"+RIGHT$(R$,4):R +
$=RL$+R$
51430 MD=VAL(LEFT$(R$,2)):DA=VAL(MID$(R$,4,2)):YR=VAL(RIG +
HT$(R$,2))
51440 IF(MD>0) AND (MD<13) AND (DA>0) AND (DA<32) AND (YR>0) AND (Y +
R<99) THEN RETURN
51450 GOSUB 54300:GOTO 51400
51600 GOSUB 51000:DP=0:DG=0

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51620 IFLEFT$(R$,1)=" " THENR$=MID$(R$,2);GOTO51620
51640 JJ=INSTR(R$,"");IFJJ<>0 THENR$=MID$(R$,1,JJ-1)+MID$ +
(R$,JJ+1);GOTO51640
51650 IFLEFT$(R$,1)="$" THENR$=MID$(R$,2)
51655 IFLEN(R$)=0 THENI$=0:RETURN
51660 FORJJ=1TOLEN(R$):CH=ASC(MID$(R$,JJ,1))
51670 IFCH>47ANDCH<58 THENIG=1:GOTO51700
51680 IFCH=46 THENDP=DP+1:IFDP>1 THENGOSUB54000:GOTO51600EL +
SEGOTO51700
51690 IF(CH<>45)AND(CH<>43)ORJJ<>1 THENGOSUB54000:GOTO51600
51700 NEXTJJ:IFIG=0 THENGOSUB54000:GOTO51600
51710 I$=VAL(R$+"I");RETURN
51800 Q$=Q$+" (Y OR N)? "
51805 YES=0:GOSUB51000:IFRL$="Y" THENYES=-1:RETURN
51810 IFRL$<>"N" THENGOSUB54000:GOTO51805 ELSE RETURN
54000 PRINT:PRINT"*** INVALID ENTRY. PLEASE REENTER. *** +
";BELL$
54010 RETURN
54500 GOSUB65525 :PRINT:PRINT" BASIC ERROR NUMBER ";ERR +
;" LINE NO. ";ERL
54510 PRINT" CONSULT DOCUMENTATION FOR EXPLANATION. "
54520 PRINT:PRINT"ABNORMAL END OF JOB ";PRINT
54530 FORI=1TO400:PRINTBELL$;NEXT:RESUME 19900
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) :LSETFF$=CHR$(255):LSETBF$(0)=BF$(1)
1070 LSETN$=MKS$(R3!):LSETSP$=MKI$(SP):TL=TL+1:R3!=R3!+IN +
! :SP=II:PUT#1,II:OUT9,4:GOTO1030
2000 IFNOTFIGOTO700ELSEGOSUB47000:IFNR!(1)>0GOTO2030
2010 Q$="*** ARE YOU SURE YOU WANT TO DELETE THE ENTIRE F +
ILE":QT=0:GOSUB51000:IFLEFT$(C$,1)="Y" GOTO2200ELSEGOTO500
2030 KK=0:FORI=1TONS:L!=NB!(I):K=0:FT=0:GOSUB50000
2040 IFTL>LX(0)GOTO2070ELSEIFL!(0,TL)>NE!(I)GOTO2070
2050 K=K+1:LSETNXT$=MKI$(AV):AV=PG(0,TL):PUT#1,AV:OUT9,4: +
TL=TL+1:GOTO2040
2070 J=TL:KK=KK+K
2080 IFJ>LX(0)THENLX(0)=LX(0)-K:GOTO2100
2090 L!(0,J-K)=L!(0,J):PG(0,J-K)=PG(0,J):J=J+1:GOTO2080
2100 NEXTI:PRINT"***";KK;" LINES DELETED":GOTO500
2200 LX(0)=0:AV=0:EX=2:PRINT"*** FILE DELETED":LT!=IN!:GO +
TO500
3000 GOSUB49000:IFNOTFOUNDGOTO600ELSEGOSUB42000
3020 FT=0:GOSUB41000:IFFX=2GOTO500
3030 NA$=S$:DSK=DR:IFFX<>0GOTO3037
3032 PRINT"*** FILE ";NA$;" ON DRIVE";DSK;"DOES NOT EXIST +
":Q$=" DO YOU WISH TO CREATE IT (Y,N)":GOSUB51000:IFL +
EFT$(C$,1)<>"Y"THENNA$="":DSK=0:GOTO500ELSEOPEN"R",1,NA$ +
,DSK
3037 GOSUB3040:FI=-1:PRINT"*** ";NA$;" ON DRIVE";DSK;"HAS +
BEEN OPENED FOR EDITING WITH";LX(0);"LINES":GET#1,1:LSE +
TEI$=MKI$(-1):PUT#1,1:GOTO500
3040 FIELD#1,2ASNXT$,2ASLX$(0),6ASMIX$,2ASAV$,2ASEX$,2ASEI +
$:J=2:FORI=0TO20:FIELD#1,(J)AST$,2ASF$(I),4ASL$(I):J=J+6 +
:NEXTI:FIELD#1,1ASLN$(0),1ASFF$,2ASSP$,4ASN$,120ASBF$(0) +
:IFFX=1GOTO3100
3080 LSETMX$="#EDIT#":LSETNXT$=MKI$(0):LSETLX$(0)=MKI$(0) +
:LSETAV$=MKI$(0):LSETEX$=MKI$(2):LSETEI$=MKI$(0):PUT#1,1 +
:OUT9,4
3100 LX(0)=CVI(LX$(0)):AV=CVI(AV$):EX=CVI(EX$):EI=CVI(EI$ +
):NXT=CVI(NXT$):IFEITHENPRINT"*** ";NA$;" WAS NOT PROPER +
LY CLOSED; ONE MOMENT FOR CORRECTION...":GOSUB30000:IFLX +
(0)<>0THENLT!=L!(0,LX(0))+IN!:RETURN
3107 IFLX(0)=0THENLT!=SC#:RETURN
3110 H=NXT:FORI=0TOLX(0)-1:J=IMOD21:IFJ=0THENP=NXT:GET#1, +
P:OUT9,4:NXT=CVI(NXT$)
3130 PG(0,I+1)=CVI(P$(J)):L!(0,I+1)=CVS(L$(J)):NEXTI:LSET +
NXT$=MKI$(AV):PUT#1,P:OUT9,4:AV=H:LT!=L!(0,LX(0))+IN!:RE +
TURN
4000 GOSUB48000:IFNOTFOUNDGOTO600
4004 I=INSTR(C$,"*"):IF(I<>0)AND(I<I1)THENFT=1ELSEFT=0
4006 IFFT=0ANDNOTFIGOTO700ELSEIFFT=1ANDNOTF2GOTO800
4010 I=INSTR(C$,"A"):IF(I<>0)AND(I<I1)THENFR=0ELSEFR=-1
4020 GOSUB47000:MZ=-1:FORJ=1TONS:L!=NB!(J):GOSUB50000
4040 IFTL>LX(FT)GOTO4130
4043 IFL!(FT,TL)>NE!(J)GOTO4120ELSEGET#FT+1,PG(FT,TL):OUT9,4
4050 K=1:L=LEN(S$):LL=ASC(LN$(FT))
4060 I=INSTR(K,BF$(FT),S$):IFI=0THENLT=TL+1:GOTO4040
4070 IFMID$(C$,I1,1)=Q2$ANDI>1THENIFINSTR(DS$,MID$(BF$(FT +
),I-1,1))=0GOTO4110

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4080 IFMID$(C$,I2,1)=Q2$ANDI<=LL-LTHENIFINSTR(DS$,MID$(BF +
  $(FT),I+L,1))=0GOTO4110
4090 PRINTUSINGFM$;FNL!;:PRINTLEFT$(BF$(FT),LL);MZ=0;IFFR +
  GOT0500ELSEL=TL+1;GOTO4040
4110 K=I+L;GOTO4060
4120 NEXTJ
4130 IFMZTHENPRINT"*** NO MATCH IN RANGE"
4140 GOT0500
5000 IFNOTFIGOT0700ELSEGOSUB45000;IFFOUNDTHENL!=N!ELSEL!=LT!
5010 GOSUB44000;MSK=0;QT=-1
5020 GOSUB51000;GOSUB5200;IFFUGOT0500ELSEL!=INT(L!+IN!);G +
  OT05020
5200 IFCL=0THENLT!=L!;FU=-1;RETURNELSEFT=0;GOSUB50000
5210 IFFOUNDGOT05280
5220 IFLX(0)=MLTHENPRINT"*** FILE IS FULL";FU=-1;RETURN
5230 IFAV<>0THENII=AV;GET#1,II;AV=CVI(NXT$);GOT05250
5240 IFDSKF(DSK)<3THENPRINT"*** DISK IS FULL";FU=-1;RETUR +
  NELSEII=EX;EX=EX+1
5250 LX(0)=LX(0)+1;IFLX(0)>ML-10THENPRINT"*** FILE IS ALM +
  OST FULL";ML-LX(0);"LINES LEFT"
5260 FORI=LX(0)-1TOTLSTEP-1;L!(0,I+1)=L!(0,I);FG(0,I+1)=F +
  G(0,I);NEXTI;L!(0,TL)=L!;FG(0,TL)=II
5280 LSETLN$(0)=CHR$(CL);LSETFF$=CHR$(255);LSETN$=MKS$(L! +
  );LSETBF$(0)=C$;PUT#1,II;FU=0;RETURN
6000 I=INSTR(C$,"FILES");IFI<>0GOT06100
6002 IFINSTR(C$,"DEF")<>0THENGOSUB53000;POKEBAZ+35,1;RUN" +
  $WP,DFLT",DK%(0)
6004 IFINSTR(C$,"EDIT")<>0THENQ=200;GOSUB40000;PRINT;GOT0500
6006 IFINSTR(C$,"FMT")<>0THENQ=300;GOSUB40000;GOT0500
6007 Q=1;GOSUB40000;PRINT;GOT0500
6100 D=VAL(MID$(C$,I+5));J=0;ONERRORGOT06105;NAME"X"AS"X",D
6105 IF ERR=56 THEN PRINT "*** DRIVE ";D;" IS NOT MOUNTED +
  "; RESUME 500 ELSE RESUME 6106
6106 ONERRORGOT00;PRINT;IFNA$=""THENPRINT" NO EDIT FILE +
  IS OPENED"ELSEPRINT" CURRENT EDIT FILE IS <"NA$;"> FRO +
  M DRIVE";DSK;"WITH";LX(0);"LINES"
6107 IFN2$=""THENPRINT" NO STAR FILE IS OPENED"ELSEPRINT +
  " CURRENT STAR FILE IS <"N2$;"> FROM DRIVE";D2;"WITH"; +
  LX(1);"LINES"
6108 PRINT;PRINT" FILES ON DRIVE";D;"ARE:";PRINT
6200 DEF FNF=FNB!(PEEK(VARPTR(F$)+2)*256+PEEK(VARPTR(F$)+1))
6210 DEF FNB!(X!)=X!+65536!* (X!>32768!)
6220 GOSUB 6230; GOTO 500
6230 F$="DIRECTORY TABLE";MD%=1;GOSUB6330; IF ER%<>0 THEN +
  PRINT"ERROR";STOP
6240 N=0
6250 F$=SPACE$(128); LL%=128; SAZ=FNF; GOSUB 6380; GOSUB +
  6380
6260 SAZ=FNF;GOSUB 6380; IF ER%<>0 THEN PRINT "ERROR"; STOP
6270 A=ASC(MID$(F$,55,1))
6280 IF A>0 AND A<255 THEN IF INSTR(LEFT$(F$,8),"MENU")=0 +
  ANDINSTR(LEFT$(F$,8),"$")=0ANDINSTR(LEFT$(F$,8),"#")=0TH +
  ENPRINT LEFT$(F$,8);" "; N=N+1; IF N=7 THEN PRINT: N=0 +
  ; GOTO 6260 ELSE GOTO 6260ELSEGOT06260

```



```

6290 IF A=0 THEN GOTO 6260
6300 PRINT: PRINT
6310 GOSUB 6410 'CLOSE FILE
6320 RETURN
6330 F$=LEFT$(F$+SPACE$(24),24) 'OPEN FILE (DI$,F$,MD$) +
    FIZ,ERZ
6340 PRZ(0)=5:PRZ(2)=D:PRZ(3)=FNF:PRZ(4)=MD$
6350 PRZ(6)=&H234E:PRZ(7)=&HC346:PRZ(8)=&H4B
6360 GOSUB6370:FIZ=PRZ(5):RETURN
6370 DEFUSR9=VARPTR(PRZ(6)):ERZ=USR9(VARPTR(PRZ(0))):ERZ= +
    PRZ(1):RETURN
6380 PRZ(0)=6:GOSUB6390:RETURN 'READ FILE (FIZ,SAZ,LL$) +
    LL$,ERZ
6390 PRZ(2)=FIZ:PRZ(3)=SAZ:PRZ(4)=LL$:GOSUB6370:LL$=PRZ(4 +
    ):RETURN
6400 PRZ(0)=7:GOSUB6390:RETURN 'WRITE FILE (FIZ,SAZ,LL$) +
    LL$,ERZ
6410 PRZ(0)=9:PRZ(2)=FIZ:GOSUB6370:RETURN 'CLOSE FILE (F +
    IZ) ERZ
6420 PRZ(0)=2:PRZ(2)=DI$:PRZ(3)=FNF:PRZ(4)=0:GOSUB6370:RE +
    TURN 'CREATE FILE
7000 IFNOTFIGOTO7000ELSEI=INSTR(C$,";"):IFI=0GOTO600
7010 T$=MID$(C$,I+1):C$=LEFT$(C$,I):GOSUB45000:IFNOTFOUND +
    GOTO600
7020 C$=T$:CL=LEN(C$):L!=N!:GOSUB5200:GOTO500
8000 IFINSTR(C$,"*")=0THENFT=0ELSEFT=1
8005 IFFT=0ANDNOTFIGOTO7000ELSEIFFT=1ANDNOTF2GOTO800
8010 PZ=0:WIDTH128:IFINSTR(C$,"P")=0GOTO8020
8012 PZ=-1:GOSUB65520:PRINT:PRINT:PRINT:PRINTTAB(16);"FIL +
    E ";:IFFT=0THENPRINTNA$:ELSEPRINTN2$:
8014 PRINT" ON ";DA$;" (";LX(FT);"LINES)":PRINT:PRINT: +
    LC=6
8020 IFINSTR(C$,"N")<>0THENTN=-1ELSETN=0
8030 GOSUB47000:FORI=1TONS:L!=NB!(I):GOSUB50000
8040 IFTL>LX(FT)GOTO8080ELSEIFL!(FT,TL)>NE!(I)GOTO8070
8050 GET#FT+1,PG(FT,TL):OUT9,4:IFTNTHENPRINTUSINGFM$;FNL!;
8060 PRINTLEFT$(BF$(FT),ASC(LN$(FT))):TL=TL+1:IFNOTPZGOTO +
    8040
8062 LC=LC+1:IFLC>62THENFORII=1TO9:PRINT:NEXT:LC=6
8063 GOTO8040
8070 NEXTI
8080 IFFZTHENGOSUB65529:GOSUB65525
8085 WIDTH80:GOTO500
9000 GOSUB52000:IFNOTFOUNDGOTO600ELSEFT=0:L!=R1!:GOSUB500 +
    00:I=TL:SP=0:R4!=R3!-IN!
9010 IFTL>LX(0)ORL!(0,TL)>R2!GOTO9020ELSET=PG(0,TL):TL=TL +
    +1:R4!=R4!+IN!
9015 GET#1,T:OUT9,4:LSETN$=MKS$(R4!):LSETSP$=MKI$(SP):PUT +
    #1,T:OUT9,4:SP=T:GOTO9010
9020 IFI=TLGOTO500ELSEK=TL-I:LX(0)=LX(0)-K
9030 FORI=1TOLX(0):L!(0,I)=L!(0,I+K):PG(0,I)=PG(0,I+K):NEXT
9100 IFSF=0GOTO500ELSEGET#1,SP:OUT9,4
9105 L!=CVS(N$):T=CVI(SP$):FT=0:GOSUB50000:IFFOUNDGOTO9130
9110 FORI=LX(0)TOTLSTEP-1:L!(0,I+1)=L!(0,I):PG(0,I+1)=PG( +

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0,I):NEXT:LX(0)=LX(0)+1:L!(0,TL)=L!:GOTO9140
9130 LSETNXT$=MKI$(AV):AV=PG(0,TL):PUT#1,AV:OUT9,4
9140 PG(0,TL)=SF:SF=T:GOTO9100
10000 IFNOTFIGOTO700ELSEGOSUB45000
10030 IFNOTFOUNDGOTO600ELSEF!=INT(N!):GOSUB44000:IFLX(0)= +
  OGOTO500
10040 FORI=1TOLX(0):L!=F!+(I-1)*IN!:P=PG(0,I):L!(0,I)=L!: +
  GET#1,P:LSETN$=MKS$(L!):PUT#1,P:NEXTI:GOTO500
11000 GOSUB49000:IFNOTFOUNDGOTO600
11010 IFN2$=S$ANDN2=DRGOTO11042
11020 IFS$=NA$ANDDR=DSKTHENPRINT"*** ";S$;" IS THE EDIT F +
  ILE AND CAN'T BE OPENED":GOTO500
11030 CLOSE2:N2$="":D2=0:FT=1:GOSUB41000:IFFX<>1THENPRINT +
  "*** ";S$;" IS NOT AN EXISTING EDIT FILE":GOTO500ELSEGOS +
  UB11050
11042 N2$=S$:D2=DR:PRINT"*** ";N2$;" ON DRIVE";D2;"HAS BE +
  EN OPENED AS THE STAR FILE WITH";LX(1);"LINES":GOTO500
11050 FIELD#2,2ASTN$,2ASLX$(1):J=2:FORI=0T020:FIELD#2,(J) +
  AST$,2ASF$(I),4ASL$(I):J=J+6:NEXT:FIELD#2,1ASLN$(1),7AST +
  $,12OASBF$(1):F2=-1:LX(1)=CVI(LX$(1)):TN=CVI(TN$):IFLX(1 +
  )=0THENRETURN
11090 FORI=0TOLX(1)-1:J=IMOD21:IFJ=0THENP=TN:GET#2,P:TN=C +
  VI(TN$)
11110 PG(1,I+1)=CVI(P$(J)):L!(1,I+1)=CVS(L$(J)):NEXTI:RETURN
12000 GOSUB49000:IFNOTFOUNDTHENS$=NA$:DR=DSKELSESS$=S$
12010 I=INSTR(CI,C$,AT$):IFI=0GOTO12050
12020 IFMID$(C$,I+1,1)<>"V"GOTO600ELSESET=ASC(MID$(C$,I+2,1 +
  ))-48
12030 IF(T<0)OR(T>9)GOTO600ELSECI=I+3:GOSUB48000
12040 IFNOTFOUNDGOTO600ELSEV$(T)=S$:GOTO12010
12050 GOSUB47000:GOSUB53000:ONERRORGOTO0:PRINT"*** BEGIN +
  TEXT FORMATTING ***":POKEBASE%+36,1:RUN"$WF.FMT",DKZ(0)
13000 IFNOTFIGOTO700ELSEGOSUB48000:IFNOTFOUNDGOTO600
13010 S1$=S$:I3=I1:I4=I2:L=LEN(S1$):IFL=0THENPRINT"*** FI +
  RST STRING CANNOT BE NULL":GOTO500
13030 I=INSTR(C$, "A"):IF(I<>0)AND(I<I1)THENFR=0ELSEFR=-1
13040 CI=I2+1:GOSUB48000:IFNOTFOUNDGOTO600ELSESS2$=S$
13060 I=INSTR(I4,C$,"W"):IFI=0ORI>I1GOTO600
13070 GOSUB47000:IFMID$(C$,I3,1)=Q2$THENDL=-1ELSEDL=0
13075 J=0:MZ=-1:IFMID$(C$,I4,1)=Q2$THENDR=-1ELSEDR=0
13080 J=J+1:IFJ>NSGOTO13220ELSEL!=NB!(J):FT=0:GOSUB50000
13090 IFTL>LX(0)GOTO13220ELSEIFL!(0,TL)>NE!(J)GOTO13080EL +
  SEGET#1,PG(0,TL):OUT9,4:K=1:M=0:LL=ASC(LN$(0))
13110 I=INSTR(K,BF$(0),S1$):IFI=0THENIFM<>0GOTO13160ELSE +
  L=TL+1:GOTO13090
13120 IFDLANDI>1THENIFINSTR(DS$,MID$(BF$(0),I-1,1))=0THEN +
  K=I+1:GOTO13110
13130 IFDRANDI<=LL-LTHENIFINSTR(DS$,MID$(BF$(0),I+L,1))=0 +
  THENK=I+1:GOTO13110
13140 M=M+1:PO(M)=I:IFNOTFRTHENK=I+L:GOTO13110
13160 S$="":K=1:FORI=1TOM:S$=S$+MID$(BF$(0),K,PO(I)-K)+S2 +
  $:K=PO(I)+L:NEXTI:S$=S$+MID$(BF$(0),K,LL-K+1):LL=LEN(S$) +
  :IFLL>120THENPRINT"*** LINE";L!(0,TL);"WAS TRUNCATED"
13190 LSETLN$(0)=CHR$(LL):LSETBF$(0)=S$:PUT#1,PG(0,TL):OU +

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T9,4:PRINTUSINGFM$;FNL!;;PRINTS$;MZ=0:TL=TL+1:GOTO13090
13220 IFMZTHENPRINT"*** NO MATCH IN RANGE"
13222 GOTO500
14000 GOSUB48000:IFNOTFOUNDGOTO600ELSEI=INSTR(I2,C$,"%")
14010 IFI=0ORINSTR(I2,C$,"F")=0GOTO600
14020 CI=I:GOSUB43000:IFNOTFOUNDORNI!>9GOTO600ELSESU$(NI)= +
S$:GOTO500
15000 GOSUB43000:IFNOTFOUNDGOTO600
15010 TB=1:TB(1)=NI-1:IFTB(1)<0GOTO600
15020 IFCH<>44GOTO500
15030 GOSUB43000:IFNOTFOUNDGOTO600
15040 IFTB=29THENGOTO600ELSETB=TB+1:TB(TB)=NI-1:IFTB(TB)< +
=TB(TB-1)GOTO600ELSEGOTO15020
30000 LX=0:AV=0:EX=LOF(1)+1:TF=FT+1:FORP=2TOEX-1:GET#TF,P +
:IFFF$=CHR$(255)THENLX=LX+1:L!(FT,LX)=CVS(N$):PG(FT,LX)= +
P:GOTO30040
30030 LSETNXT$=MKI$(AV):AV=P:PUT#TF,P
30040 NEXTP:IFLX=0GOTO30130ELSEIFLX=1GOTO220
30070 H(1)=1:H(2)=4:H(3)=13:T=1
30080 IFH(T+2)<LXTHENT=T+1:H(T+2)=3*H(T+1)+1:GOTO30080
30090 FORS=TT01STEP-1:H=H(S):FORJ=H+1TOLX:I=J-H:L!=L!(FT, +
J):PG=PG(FT,J)
30110 IFL!<L!(FT,I)THENL!(FT,I+H)=L!(FT,I):PG(FT,I+H)=PG( +
FT,I):I=I-H:IFI>0GOTO30110
30120 L!(FT,I+H)=L!:PG(FT,I+H)=PG:NEXTJ,S
30130 LX(FT)=LX:RETURN
40000 IFNOTHITHENGOSUB40090:HI=-1
40005 HJ=1:HK=ASC(RIGHT$(MKI$(HS(0)),1))
40010 IFHJ<=HKTHENHP=(HJ+HK)\2ELSEPRINT"*** <MSG>";Q;" +
***":RETURN
40020 IFHN(HP)<QTHENHJ=HP+1:GOTO40010
40030 IFHN(HP)>QTHENHK=HP-1:GOTO40010
40040 T$=MKI$(HS(HP)):HS=ASC(T$):HJ=ASC(RIGHT$(T$,1))
40050 T$="":FORHK=HSTOHJ+HS-1:GET#HF%,HK:T$=T$+HB$
40060 HL=INSTR(T$,CHR$(30))
40070 IFHL<>0THENPRINTMID$(T$,1,HL-1):T$=MID$(T$,HL+1):GO +
TO40060
40080 NEXTHK:RETURN
40090 HF%=5:DIMHN(63),HS(63),HN$(31),HS$(31):OPEN"R",HF%, +
"$WP.HELP",DKZ(0)
40100 FIELD #HF%,128ASHB$
40110 FORHK=0TO31:FIELD#HF%,(4*HK)AST$,2ASHN$(HK),2ASHS$( +
HK):NEXTHK
40120 HJ=-1:FORHP=1TO2:GET#HF%,HP:FORHK=0TO31:HJ=HJ+1
40130 HN(HJ)=CVI(HN$(HK)):HS(HJ)=CVI(HS$(HK)):NEXTHK,HP:E +
RASEHN$,HS$:RETURN
41000 T=FT+1:T$=LEFT$(S$,1):IFT$="*"ORT$="*"THENPRINT"*** +
INVALID EDIT FILE NAME":FX=2:RETURN
41010 ONERRORGOTO41020:NAMES$ASS$,IR
41020 IFERR=53THENFX=0:RESUME41090
41030 IFERR=54THENRESUME41080
41040 IFERR<>58GOTO59000ELSERESUME41045
41045 ONERRORGOTO0:IFT=1ANDS$=N2$ANDDR=D2THENPRINT"*** CA +
N'T EDIT THE STAR FILE":FX=2:RETURN

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41050 OPEN"R",T,S$,DR:FIELD#T,4AST$,6ASM$X$:GET#T,1:IFMX$= +
  "#EDIT#"THENFX=1:RETURN
41080 FX=2:PRINT"*** ";S$;" IS NOT AN EDIT FILE"
41090 ONERRORGOTO59000:RETURN
42000 IFNOTFITHENRETURNELSEFI=0
42010 IFLX(0)=0GOTO42110ELSEP=1:GET#1,P
42015 J=2:FORI=0TO20:FIELD#1,(J)AST$,2ASP$(I),4ASL$(I):J= +
  J+6:NEXTI:FORI=0TOLX(0)-1:J=IMOD21:IFJ<>0GOTO42060
42040 IFAV=0THENLSETNXT$=MKI$(EX):PUT#1,P:P=EX:GET#1,P:EX +
  =EX+1:GOTO42060
42050 LSETNXT$=MKI$(AV):PUT#1,P:P=AV:GET#1,P:AV=CUI(NXT$)
42060 LSETP$(J)=MKI$(PG(0,I+1)):LSETL$(J)=MKS$(L!(0,I+1)) +
  :NEXTI:LSETNXT$=MKI$(0):PUT#1,P:GET#1,1:LSETAV$=MKI$(AV) +
  :LSETLX$(0)=MKI$(LX(0)):LSETEX$=MKI$(EX):LSETEI$=MKI$(0) +
  :PUT#1,1:CLOSE1:PRINT"*** ";NA$;" HAS BEEN CLOSED, THERE +
  ARE";
42100 PRINTLX(0);"LINES IN THE FILE":LX(0)=0:NA$="":DSK=0 +
  :RETURN
42110 CLOSE1:KILLNA$,DSK:PRINT"*** ";NA$;" ON DRIVE";DSK; +
  " WAS EMPTY AND HAS BEEN DELETED":NA$="":DSK=0:RETURN
43000 N!=0#:FOUND=-1
43005 GOSUB46000:IFESTHENFOUND=0:RETURN
43020 IF(CH<48)OR(CH>57)GOTO43005
43030 N!=CH-48+N!*10#:GOSUB46000:IFESTHENRETURN
43050 IF(CH>47)AND(CH<58)GOTO43030ELSEReturn
44000 IFINSTR(CI,C$,"I")=0THENRETURN
44010 GOSUB45000:IFNOTFOUNDGOTO600ELSEIN!=N!:RETURN
45000 N#=0#:FOUND=-1:S#=SC#
45010 GOSUB46000:IFESTHENFOUND=0:RETURN
45030 IF(CH>47)AND(CH<58)GOTO45070ELSEIFCH=46GOTO45100
45040 IFCH<>35GOTO45010
45050 N!=L!(FT,LX(FT))+IN!:GOSUB46000:RETURN
45070 N#=CH-48+N#!*10#:GOSUB46000:IFESGOTO45130
45090 IF(CH>47)AND(CH<58)GOTO45070ELSEIFCH<>46GOTO45130
45100 GOSUB46000:IFESOR(CH<48)OR(CH>57)GOTO45130
45120 N#=CH-48+N#!*10#:S#=S#/10#:GOTO45100
45130 N!=INT(N#!*S#+.5):IFN!<=0ORN!>=1E+06GOTO600
45140 RETURN
46000 IFCI>=CLTHENES=-1:RETURNELSECI=CI+1:CH=ASC(MID$(C$, +
  CI)):ES=0
46010 IFCH=32GOTO46000ELSEReturn
47000 NS=0
47010 GOSUB45000:IFNOTFOUNDGOTO47070
47030 NS=NS+1:NB!(NS)=N!:NE!(NS)=N!:IFESGOTO47070
47040 IFCH<>45GOTO47065ELSEGOSUB45000
47050 IFNOTFOUNDGOTO600
47060 NE!(NS)=N!:IFESGOTO47070
47065 IFCH=44GOTO47010
47070 IFNS=1THENRETURN
47080 IFNS=0THENNS=1:NB!(NS)=0:NE!(NS)=1E+06:RETURN
47090 FORI=1TONS-1:FORJ=I+1TONS:IFNB!(I)>NB!(J)THENSWAPNB +
  !(I),NB!(J):SWAPNE!(I),NE!(J)
47110 NEXTJ,I:I=1
47120 IFI>=NSTHENRETURNELSEJ=I+1

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47130 IFNB!(J)>NE!(I)THENI=I+1;GOTO47120
47140 NS=NS-1;IFNE!(J)>NE!(I)THENNE!(I)=NE!(J)
47150 IFJ>NSGOTO47120ELSENB!(J)=NB!(J+1);NE!(J)=NE!(J+1); +
J=J+1;GOTO47150
48000 FOUND=-1;GOSUB48200;IFNOTFOUNDTHENRETURNELSEI1=T1;C +
I=T1+1
48010 GOSUB48200;IFNOTFOUNDTHENRETURNELSET$=MID$(C$,T1,1) +
;CI=T1+1
48020 IFMID$(C$,CI,1)=T$THENMID$(C$,T1,1)=CHR$(127);CI=T1 +
+2;GOTO48010
48030 CI=T1;I2=T1;S$=MID$(C$,I1+1,I2-I1-1)
48040 T1=INSTR(S$,CHR$(127));IFT1<>0THENS$=MID$(S$,1,T1-1 +
)+MID$(S$,T1+1);GOTO48040ELSERETURN
48200 T1=INSTR(CI,C$,Q1$);IFT1=0THENT1=999
48210 T2=INSTR(CI,C$,Q2$);IFT2=0THENT2=999
48220 IFT2<T1THENT1=T2ELSEIFT1=999THENFOUND=0
48230 RETURN
49000 GOSUB48000;IFNOTFOUNDTHENRETURN
49010 GOSUB46000;IFESORCH<>44THENCI=CI-1;GOTO49030GOTO49030
49020 GOSUB43000;IFFOUNDTHENDR=N!;RETURN
49030 DR=0;FOUND=-1;RETURN
50000 TL=1;TU=LX(FT);FOUND=0
50010 IFTL>TUTHENRETURNELSEII=(TL+TU)\2;IFL!<L!(FT,II)THE +
NTU=II-1;GOTO50010ELSEIFL!>L!(FT,II)THENTL=II+1;GOTO50010
50020 FOUND=-1;TL=II;II=PG(FT,II);RETURN
51000 SM=0;OF=MSK;IFQT>=0THENPRINTTAB(QT);Q$;"? ";ELSEPRI +
NTUSINGFM$;CSNG(L!/SC$);
51010 FORCL=1TO120
51020 IFST=-1GOTO51040ELSEIFST(ST)=0THENST=ST-1;GOTO51020
51030 CH=ASC(RIGHT$(SU$(SS(ST)),ST(ST)));ST(ST)=ST(ST)-1; +
GOTO51050
51040 WAITTS,1;CH=INP(TD)AND127
51050 IFCH>96ANDCH<123THENCH=CH-OF;GOTO51210ELSEIFCH=32GO +
TO51210
51060 IFCH<>127GOTO51090ELSEIFCL<2GOTO51020ELSEOUTTD,8;OU +
TTD,32;OUTTD,8
51070 CL=CL-1;CH=ASC(MID$(TR$,CL));IFCH<>39ANDCH<>34GOTO5 +
1020
51080 IFOF=0THENOF=MSK;GOTO51020ELSEOF=0;GOTO51020
51090 IFCH>58GOTO51210
51100 IFCH<48ORCL=1ORCH=58GOTO51140
51110 IFMID$(TR$,CL-1,1)<>"%"GOTO51210ELSEIFLEFT$(TR$,1)= +
"S"ANDQT>=0GOTO51210
51120 ST=ST+1;IFST>9THENPRINT;PRINT"*** SUBSTITUTION MAY +
NOT BE RECURSIVE";ST=-1;GOTO51000
51130 SS(ST)=CH-48;ST(ST)=LEN(SU$(SS(ST)));CL=CL-1;OUTTD, +
8;OUTTD,32;OUTTD,8;GOTO51020
51140 IFCH=13GOTO51220
51150 IFCH=39ORCH=34THENIFOF=0THENOF=MSK;GOTO51210ELSEOF= +
0;GOTO51210
51160 IFCH<>20GOTO51190ELSEIFCL>=TB(TB)GOTO51020
51170 FORII=TB-1TO1STEP-1;IFCL<TB(II)THENNEXTII
51180 FORCX=CLTOTB(II+1);MID$(TR$,CX,1)=" ";OUTTD,32;NEXT +
CX;CL=CX;GOTO51020

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51190 IFCH=24THENPRINT"%CAN":GOTO51000
51200 IFCH=58ANDQT>=0ANDLEFT$(TR$,1)="I"THENMSK=0:OF=0
51210 MID$(TR$,CL,1)=CHR$(CH):OUTTD,CH:NEXTCL
51220 PRINT:CL=CL-1:C$=MID$(TR$,1,CL):CI=0:RETURN
52000 GOSUB45000:IFNOTFOUNDTHENRETURNELSER1!=N!:R2!=N!
52010 IFCH=45THENGOSUB45000:IFNOTFOUNDTHENRETURNELSER2!=N!
52020 IFCH<>84THENFOUND=0:RETURNELSEGOSUB45000:IFNOTFOUND +
    THENRETURNELSER3!=N!
52030 GOSUB44000:RETURN
53000 TV$=NA$:TV=DISK:GOSUB42000:OPEN"0",1,"$WF.PARM",DK%( +
    0):PRINT#1,Q2$:TV$:Q2$:TV:Q2$:N2$:Q2$:D2:Q2$:SS$:Q2$:DR: +
    Q2$:DA$:Q2$:Q2$:OPR$:Q2$:NS:TB$:FORI=1TOTB:PRINT#1,TB(I) +
    $:NEXT:FORI=1TONS:PRINT#1,NB!(I):NE!(I)$:NEXT
53040 FORI=0TO9:PRINT#1,Q2$:V$(I):Q2$:NEXT:CLOSE1:POKEBA +
    SEZ+36,1:RETURN
59000 IFERR=61THENPRINT"*** NO ROOM ON DISK":RESUME500
59060 PRINT"*** ERROR":ERR:"OCCURRED IN LINE":ERL:" ** +
    *":RESUME500
65510 IF PBZ<>0 THEN RETURN ELSE PRINT "SYSGEN NOT SET UP +
    ": GOTO 19900
65520 GOSUB 65510: POKE PBZ,&HC3: POKE PBZ+1,(BAZAND255)+ +
    6: POKE PBZ+2,(((BAZAND&HFF00)\256)AND255): RETURN
65525 GOSUB 65510: POKE PBZ,&HF5: POKE PBZ+1,&HDB: POKE P +
    BZ+2,&H10: RETURN
65529 FOR II=LC TO 65: PRINT: NEXT: LC=0: RETURN

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Total of 9 pages + 2 banner

[illegible]

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[illegible]

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[illegible]



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0 'WF.FMT PROGRAM,RDR,12/11/77
15 IFPEEK(&070)=&0311THENPRINT"SYSTEM NOT INITIALIZED - L +
   DADING STARTUP PROGRAM ***";PRINT:RUN"$WF,STA",0
20 CLEAR800;DEFINT A-Z;DEFUSR0=&HA700;ONERRORGOTO59000
22 BASE%=&HE678: FBASE%=&H72C1
25 GOSUB20000
30 BM=500: DIM L!(BM),PE(BM),PO(BM),L$(20),NB!(10),NE!(10 +
   ),O$(20),P$(20),TB(20),V$(9)
32 DIMDUMMYZ(7320):GOSUB30000
35 S$=SPACE$(31):AT$=CHR$(64)
36 OUT18,3:OUT18,17
40 OPEN"I",1,"$WF.FARM",0
50 INPUT #1,T$,T,T$,T,NA$,DSK,DA$,NM$,NS,TB
55 FORI=1TOTB:INPUT#1,TB(I):NEXT
60 FORI=1TONS:INPUT#1,NB!(I),NE!(I):NEXT
70 FORI=0TO9:INPUT#1,V$(I):NEXT:CLOSE1
90 OPEN "I",1,"$WF.DFLT",0
100 INPUT #1,T,T,CI,RI,PW!,PH!,ML!,MR!,MT!,MB!,SP,JA,JF,J +
   R,PI,CF,PE: CLOSE 1
110 ML=ML!*CI+1: MR=(PW!-MR!)*CI: MT=MT!*RI+1: MB=(PH!-MB +
   !)*RI
120 HEAD=0:PAGE=0:XL=ML:XR=MR
130 ONERRORGOTO131:NAMENA$ASNA$,DSK
131 IFERR<>58THENRESUME134ELSERESUME132
132 OPEN "R",1,NA$,DSK: FIELD #1,4 AS T$,6 AS MX$: GET #1 +
   ,1: IF MX$="#EDIT#" GOTO 140
134 PRINT "*** ATTEMPT TO FORMAT A NON-EDIT FILE ***": GO +
   TO 4000
140 ONERRORGOTO59000
145 FIELD #1,2 AS TN$,2 AS LX$: J=2
150 FOR I=0 TO 20: FIELD #1,(J) AS T$,2 AS P$(I),4 AS L$( +
   I): J=J+6: NEXT
160 FIELD #1,1 AS LN$,3 AS T$,4 AS N$,120 AS B$
170 GET#1,1:LX=CVI(LX$):TN=CVI(TN$)
180 FORI=0TOLX-1:J=IMOD21
190 IFJ=0THENP=TN:GET#1,P:TN=CVI(TN$)
200 PE(I+1)=CVI(P$(J)):L!(I+1)=CVS(L$(J))
210 NEXTI
220 IFNB!(1)=0THENNB!(1)=1:NE!(1)=LX:GOTO280
230 FORI=1TONS:L!=NB!(I):GOSUB50000:T=TL
240 IFL!(TL)>NE!(I)GOTO280ELSEL!=NE!(I):GOSUB50000
250 IFTL>LXGOTO280ELSENB!(I)=T:NE!(I)=TL
260 NEXT I
280 X$=SPACE$(255): MID$(X$,1,1)=CHR$(255)
900 X=USR0(X$): ON X+1 GOTO 1000,2000,3000,4000,5000,600 +
   0,7000,8000,9000,10000, 11000,12000,13000,14000
1000 Y$=CHR$(19)+CHR$(JA)+CHR$(JF)+CHR$(JR)+CHR$(PI)+ CHR +
   $(SP)+CHR$(MR-ML+1)+CHR$(PH!*RI)+CHR$(MT)
1010 Y$=Y$+CHR$(MB)+CHR$(ML)+CHR$(MR)+CHR$(XL)+CHR$(XR)+ +
   CHR$(O)+CHR$(O)+CHR$(CF)+CHR$(CI)+CHR$(RI)+CHR$(PE)
1020 MID$(X$,1,20)=Y$: A=USR0(X$)
1030 Y$=CHR$(109)+MKS$(PW!)+MKS$(PH!)+MKS$(ML!)+MKS$(MR!) +
   + MKS$(MT!)+MKS$(MB!)+CHR$(TB)

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1040 FORI=1TO20:Y$=Y$+CHR$(TB(I));NEXT:Y$=Y$+CHR$(LEN(DA$ +
    ))+LEFT$(DA$+S$,31)+CHR$(LEN(NM$))+LEFT$(NM$+S$,31)
1045 MID$(X$,1,110)=Y$: A=USR0(X$)
1050 Y$=CHR$(160): FOR I=0 TO 4: Y$=Y$+CHR$(LEN(V$(I)))+L +
    EFT$(V$(I)+S$,31): NEXT
1060 MID$(X$,1,161)=Y$: A=USR0(X$)
1070 Y$=CHR$(160):FORI=5TO9:Y$=Y$+CHR$(LEN(V$(I)))+LEFT$( +
    V$(I)+S$,31):NEXT
1080 MID$(X$,1,161)=Y$:GOTO900
2000 IL=IL+1:IFIL<=NE!(LS)GOTO2020
2010 LS=LS+1: IF LS>NS THEN MID$(X$,1,5)=CHR$(5)+CHR$(64) +
    +"END": GOTO 900 ELSE IL=NB!(LS)
2020 GET#1,PE(IL):I=ASC(LN$):MID$(X$,1,I+1)=CHR$(I)+MID$( +
    B$,1,I):GOTO900
3000 L!=INT(CVS(MID$(X$,2,4))*1000+.5): GOSUB 50000
3020 IF NOT FOUND THEN PRINT "*** ATTEMPT TO GOTO NON-EXI +
    STANT NUMBER ***": GOTO 4000
3030 IL=II-1:NS=1:LS=1:NE!(LS)=LX:GOTO900
4000 ONERRORGOTO0:GOSUB65525:CLOSE:WIDTH80:PRINT "*** TEX +
    T HAS BEEN FORMATTED ***": RUN "$WP.EDT",0
5000 T$=MID$(X$,2,8):IFT$=F0$GOTO5085ELSEF0$="":CLOSE2:ON +
    ERRORGOTO5001:NAMET$AST$,CVS(MID$(X$,10,4))
5001 IFERR=53ORERR=54THENRESUME5090
5002 IFERR<>58GOTO59000ELSERESUME5003
5003 OPEN"R",2,T$,CVS(MID$(X$,10,4)):F0$=T$:FIELD#2,4AST$ +
    ,6AS MX$
5004 GET #2,1: IF MX$<>"#EDIT#" GOTO 5090
5020 FIELD #2,2 AS TN$,2 AS LX$: J=2
5030 FOR I=0 TO 20: FIELD #2,(J) AS T$,2 AS O$(I),4 AS T$ +
    : J=J+6: NEXT I
5040 FIELD #2,1 AS LO$,7 AS T$,120 AS S$
5050 GET#2,1:LO=CVI(LX$):TN=CVI(TN$)
5060 FORI=0TOLO-1:J=IMOD21:IFJ=0THENF=TN:GET#2,F:TN=CVI(TN$)
5070 FO(I+1)=CVI(O$(J))
5080 NEXTI
5085 MID$(X$,1,1)=CHR$(255): FO=0: GOTO 900
5090 MID$(X$,1,1)=CHR$(0): GOTO 900
6000 FO=FO+1:IFFO>LO GOTO6050ELSEGET#2,FO(FO):OUT9,4:T=IN +
    STR(S$,AT$):IFT=0GOTO 6000
6010 C$="":FORI=T+1TOT+3:C$=C$+CHR$(ASC(MID$(S$,I,1))AND9 +
    5):NEXT
6020 IFC$="REC"THENMID$(X$,1,1)=CHR$(0):GOTO900
6040 IFC$<>"EOF"GOTO6000
6050 MID$(X$,1,1)=CHR$(255):GOTO900
7000 I=FO+CVS(MID$(X$,2,4)): IF I>LO THEN MID$(X$,1,1)=CH +
    R$(255): GOTO 900
7010 GET #2,FO(I): I=ASC(LO$): MID$(X$,1,I+1)=CHR$(I)+MID +
    $(S$,1,I): GOTO 900
8000 MID$(X$,2,4)=MKS$(VAL(MID$(X$,2,16))): GOTO 900
9000 MID$(X$,1,1)=CHR$(INT(CVS(MID$(X$,2,4))+.5) AND 255) +
    : GOTO 900
10000 MID$(X$,2,4)=MKS$(CVS(MID$(X$,2,4))-CVS(MID$(X$,6,4 +
    ))): GOTO 900
11000 MID$(X$,2,4)=MKS$(CVS(MID$(X$,2,4))*ASC(MID$(X$,6,1 +

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))) : GOTO 900
12000 S1$=MID$(X$,2,ASC(X$)): OP=USR0(X$): S2$=MID$(X$,2, +
ASC(X$))
12010 ON OP+1 GOTO 12100,12200,12300,12400
12020 MID$(X$,1,1)=CHR$(255):GOTO900
12030 MID$(X$,1,1)=CHR$(0):GOTO900
12100 IF INSTR(S1$,S2$)=0GOTO12030ELSE12020
12200 IF S1$=S2$ GOTO 12020 ELSE 12030
12300 IF INSTR(S1$,S2$)=0 GOTO 12020 ELSE 12030
12400 IFS1$=S2$GOTO12030ELSE12020
13000 NA$=MID$(X$,2,8): DSK=CVS(MID$(X$,10,4)): CLOSE 1: +
LS=0: IL=0: NS=1: NB!(1)=0: NE!(1)=1E+06: GOTO 130
14000 T$=RIGHT$("00000"+MID$(STR$(L!(IL)),2),6)
14010 MID$(X$,1,2)=MKI$(IL): MID$(X$,3,9)=LEFT$(T$,3)+". " +
+RIGHT$(T$,3): GOTO 900
20000 '
20010 A=0: AT$=""
20020 BM=0: B$=""
20030 CI=0: CF=0: C$=""
20040 D=0: DA$="": DO=0: DSK=0
20050 FOUND=0: FO$=""
20060 HEAD=0
20070 I=0:II=0:IL=0:IN=0
20080 J=0:JA=0:JF=0:JR=0
20090 L=0: L!=0: LN$="": LO=0: LO$="": LS=0: LX=0: LX$=""
20100 MB=0:MB!=0:ML=0:ML!=0:MR=0:MR!=0:MT=0:MT!=0:MX$=""
20110 N$="": NA$="": NM$="": NS=0
20120 OP=0
20130 P=0: PAGE=0: PE=0: PH!=0: PI=0: PO=0: PW!=0
20140 R=0: RI=0
20150 S=0: S$="": S1$="": S2=0: S2$="": SF=0: SP=0: SZ=0
20160 T=0: T$="": TB=0: TL=0: TN=0: TN$="": TU=0
20170 U=0
20180 V=0
20190 W=0
20200 X=0: X$="": XL=0: XR=0
20210 Y=0: Y$=""
20220 Z=0
20230 RETURN
30000 DIZ=0: MDZ=1: SAZ=&HA700: LLZ=11264: F$="#FMT.OBJ"
30002 DEFFNF=FNB!(PEEK(VARPTR(F$)+2)*256+PEEK(VARPTR(F$)+ +
1)):DEFFNB!(X!)=X!+65536!* (X!>32768!)
30010 GOSUB 31000: IF ERZ<>0 THEN PRINT: PRINT "*** UNABL +
E TO INITIALIZE THE FORMATTER, ERROR";ERZ: GOTO 4000
30020 GOSUB 31100: IF ERZ>0 AND ERZ<>&H55 THEN PRINT "*** +
ERROR IN LOADING FORMATTER, ERROR";ERZ: GOSUB 31300: GO +
TO 4000
30030 GOSUB 31300: RETURN
31000 F$=LEFT$(F$+SPACE$(24),24) 'OPEN FILE (DIZ,F$,MDZ) +
FIZ,ERZ
31010 PRZ(0)=5:PRZ(2)=DIZ:PRZ(3)=FNF:PRZ(4)=MDZ
31020 PRZ(6)=&H234E:PRZ(7)=&HC346:PRZ(8)=&H4B
31030 GOSUB31090:FIZ=PRZ(5):RETURN
31090 DEFUSR9=VARPTR(PRZ(6)):ERZ=USR9(VARPTR(PRZ(0))):ERZ +

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=PRZ(1);RETURN
31100 PRZ(0)=6;GOSUB31190;RETURN 'READ FILE (FI%,SA%,LL% +
) LL%,ER%
31190 PRZ(2)=FI%;PRZ(3)=SA%;PRZ(4)=LL%;GOSUB31090;LL%=PRZ +
(4);RETURN
31300 PRZ(0)=9;PRZ(2)=FI%;GOSUB31090;RETURN 'CLOSE FILE +
(FI%) ER%
50000 TL=1; TU=LX; FOUND=0
50010 IF TL>TU THEN RETURN ELSE II=(TL+TU)\2; IF L!<L!(II +
) THEN TU=II-1; GOTO 50010 ELSE IF L!>L!(II) THEN TL=II+ +
1; GOTO 50010
50020 FOUND=-1; TL=II; RETURN
59000 GOSUB 65525; PRINT "*** UNRECOVERABLE ERROR";ERR;"0 +
CCURED IN LINE";ERL
59010 RESUME 4000
65510 IF PB%<>0 THEN RETURN ELSE PRINT "SYSGEN NOT SET UP +
"; GOTO 19900
65520 GOSUB 65510; POKE PB%,&HC3; POKE PB%+1,(BA%AND255)+ +
6; POKE PB%+2,(((BA%AND&HFF00)\256)AND255); RETURN
65525 GOSUB 65510; POKE PB%,&HF5; POKE PB%+1,&HDB; POKE P +
B%+2,&H10; RETURN
65529 FOR II=LC TO 65; PRINT; NEXT; LC=0; RETURN
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***** * * * * *****
      * * **     ** *          *   *         *   ***
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      *
            *****              *****                *             *****      *****
          *                   *   *               *****          *   *   *   *****
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          **      *          *   *   *           *   *           *   *   *   *
          *****          ***** *****          **             *****      *****

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0 'WORD PROCESSING STARTUP PROGRAM, RAS, 11/21/77, 12/11/ +
77 RDR
1 CLEAR 4000
3 FN$="STARTUP PROGRAM"
5 PRINT:PRINT "*** START PROGRAM NOW RUNNING.....":PRINT
10 BAZ=&HE678
20 ON ERROR GOTO 1000 'TRAP NO SYSTEM FILE ERROR
30 OPEN "I",1,"$WP,DFLT",0
40 INPUT #1,A: CLOSE
50 IF A=0 THEN F$="S"
60 IF A=1 THEN F$="C"
90 IF A=4 THEN F$="Q"
100 F$="#U."+F$+"H"
110 GOSUB 20000 'LOAD THE FILE
300 CONSOLE 18,0: CONSOLE 20,0: CONSOLE 16,0 'INITIALIZE +
SECOND PORT
310 OUT 128,3: OUT 128,5 'INIT. QUME
320 OUT 32,0: OUT 34,0: OUT 36,0: OUT 38,0:
OUT 33,255: OUT 35,255: OUT 37,0: OUT 39,255:
OUT 32,44: OUT 34,44: OUT 36,44: OUT 38,44:
OUT 33,255: OUT 35,255: OUT 39,255:
OUT 39,254: OUT 39,252: OUT 39,250
330 POKE&H38,&HC3:POKE&H39,(BAZAND255)+9:POKE&H3A,(((BAZA +
ND&HFF00)\256)AND255)
340 OUT 48,0:OUT 50,0:OUT 52,0:OUT 54,0
350 OUT 49,255:OUT 51,255:OUT 53,0:OUT 55,255
360 OUT 48,44:OUT 50,44:OUT 52,44:OUT 54,44
370 OUT 49,255:OUT 51,255:OUT 55,255
380 OUT 55,254:OUT 55,252:OUT 55,250
400 RUN "WP MENU",0
1000 PRINT: PRINT "*** DEFAULT FILE NOT FOUND"
1010 PRINT: PRINT "*** RE-LOADING THE WP MENU"
1020 RUN "WP MENU",0
20000 DEFFNB=FNB(PEEK(VARPTR(F$)+2)*256+PEEK(VARPTR(F$)+1 +
)):DEFFNB(X)=X+65536!* (X>32768!)
20005 DI%=D%(0): SAZ=BASEZ: LL%=1024: MD%=1: GOSUB 30000
20010 IF ERZ<>0 THEN PRINT: PRINT "ERROR IN INITIALIZATIO +
N DUE TO SYSGEN": GOTO 19900
20020 GOSUB 30100: IF ERZ=0 THEN SAZ=SAZ+LLZ: GOTO 20020
20030 GOSUB 30300: RETURN
30000 ERZ=0:F$=LEFT$(F$+SPACE$(24),24) 'OPEN FILE (DI%,F +
$,MD%) FIZ,ERZ
30010 PRZ(0)=5:PRZ(2)=DIZ:PRZ(3)=FNB:PRZ(4)=MDZ
30020 PRZ(6)=&H234E:PRZ(7)=&HC346:PRZ(8)=&H4B
30030 GOSUB30090:FIZ=PRZ(5):RETURN
30090 DEFUSR9=VARPTR(PRZ(6)):ERZ=USR9(VARPTR(PRZ(0))):ERZ +
=PRZ(1):RETURN
30100 PRZ(0)=6:GOSUB30190:RETURN 'READ FILE (FIZ,SAZ,LLZ +
) LLZ,ERZ
30190 PRZ(2)=FIZ:PRZ(3)=SAZ:PRZ(4)=LLZ:GOSUB30090:LLZ=PRZ +
(4):RETURN
30300 PRZ(0)=9:PRZ(2)=FIZ:GOSUB30090:RETURN 'CLOSE FILE +
(FIZ) ERZ

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