

```

0 CLR:RESTORE
5 OPEN15,8,15:PRINT#15,"M-W"CHR$(159)CHR$(16)CHR$(1)CHR$(65):CLOSE15:C
0=0
9 PRINTCHR$(142):POKE1004,16:SC$="00":ID$="41":ID=65:IL$="4":IR$="1"
10 US$="08":DR$="0":TR=18:SC=0:HT$="12":HS$="00":FR$="2A":SS$=" 00":MS=
"QH":U=8
11 DIMBD(256):DIMBH$(256):HX$="0123456789ABCDEF":DIMD$(16):DIMNS$(200)
:DIMNS(200)
12 A$=DS$:A$=A$+CHR$(0):IFASC(A$)=0THENSS$=" QNP"
13 DATA0,1,2,3,4,5,6,7,8,9,A,B,C,D,E,F:FORI=1TO16:READD$(I):NEXTI
14 X$="XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX"
Y$="XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX"
ZZ$="XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX"
99 PRINT"Q";
100 PRINT"TRACK:";HT$;" SECTOR:";HS$;" UNIT:";US$;" DRIVE:";DR$
102 PRINT" ID:";ID$;" FORMAT:";FR$;" DS:";SS$;"XXXXXXXXXX"
";MS
104 PRINT"XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX"
105 PRINT"XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX"
106 PRINT" 0 1 2 3 4 5 6 7 8 9 A B C D E F"
107 PRINT" XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX"
108 PRINT"00-XXXXXXXX10-XXXXXXXX20-XXXXXXXX30-XXXXXXXX40-XXXXXXXX50-XXXXXXXX60-XXXXXXXX70-XXXXXXXX80-XXXXXXXX90-"
109 PRINT"A0-XXXXXXXXB0-XXXXXXXXC0-XXXXXXXXD0-XXXXXXXXE0-XXXXXXXXF0-"
500 GETC$:POKE32808,224:POKE32808,32
501 IFC0=1THENOPEN1,U,15:PRINT#1," ":CLOSE1
502 IFC$=""THEN500
503 POKE59467,16:POKE59466,15:POKE59464,255:FORJ=0TO15:NEXTJ:POKE59464,0
549 IFC$="X"THENPRINT"XXXXXXXX":PRINT"XXXXXXXXEXIT TO BASIC":SYS(64790)
550 IFC$="R"THEN1000
551 IFC$=">"THEN9099
552 IFC$="D"THEN3000
553 IFC$="T"THEN9520
554 IFC$="S"THEN9600
555 IFC$="F"THEN9630
556 IFC$="I"THEN9640
557 IFC$="P"THEN9680
558 IFC$="M"THEN9899
559 IFC$="L"THEN1099
560 IFC$="A"THENPRINT"XXXXXXXXXXXXXXXXXXXX";:IF(MS$="QH")AND(RF=1)THENMS$="QA":F
=0:GOTO9691
561 IF(CS$="A")AND(MS$="QA")AND(RF=1)THEN1160
562 IFC$="_"THEN10060
563 IFC$="E"THEN1200
564 IFC$="0"THEN1400

```

```

565 IFC$="U"THEN1430
566 IFC$="V"THEN1460
567 IFC$="C"THEN1500
568 IFC$="N"THEN1550
569 IFC$="—"THEN1600
570 IFC$="L"THEN1610
571 IFC$="*"THEN1650
572 IFC$="<"THEN3010
999 GOTO 500
1000 IFSS$="QMP"THENGOTO500
1001 PRINT"SU:R"
1002 IFRF=1THENGOSUB9200
1003 M$="QH"
1004 CLOSE15
1005 OPEN15,U,15,"I"+DR$:OPEN2,U,2,"W"
1010 PRINT#15,"U1:2,"DR$;TR;SC
1020 INPUT#15,EN,EM$,ET,ES:IFEN<>0THEN9000
1030 PRINT#15,"B-P:2,0"
1035 PRINT"SUUUUUUUUUUUUUUUUU";
1040 FORX=0TO255:GET#2,B$:B=ASC(B$+CHR$(0))
1045 GETD$:IFNOTD$=""THENCLOSE2:CLOSE15:GOTO9090
1050 BD(X)=B:BH$(X)="" : A1=INT(B/16):BH$(X)=BH$(X)+MID$(HX$,A1+1,1)
1052 A2=INT(B-16*A1):BH$(X)=BH$(X)+MID$(HX$,A2+1,1)
1055 PRINTBH$(X);:C=C+1
1060 IFC=4THENPRINT" ";
1065 IFC=8THENPRINT" ";
1070 IFC=12THENPRINT" ";
1075 IFC=16THENPRINT:PRINT"UUUUUU";:C=0
1080 NEXT X
1081 C=0
1085 CLOSE2:CLOSE15:OPEN15,U,15:INPUT#15,EN,EM$,ET,ES:CLOSE15:IFEN<>0T
HEN9000
1086 RF=1:SS$=" 00"
1090 GOTO 100
1099 IFSS$="QMP"THENGOTO 500
1100 PRINT"SUUS=SCREEN/SP=PRINT:" :GOSUB1140
1101 GETD$:POKE32821,224:POKE32821,32:IFD$=""THEN1101
1102 IFD$="S"THENPRINT"SUUUUUUUUU" :GOTO1105
1103 IFD$="P"THENPRINT"SU=PRINT" :GOTO1105
1104 GOTO 1101
1105 PRINT"SUUUUU=EXECUTING LINKED SECTOR TRACE=U"
1106 T=TR:S=SC:T(1)=TR:S(1)=SC
1107 IFD$="P"THENOPEN4,4:CH=4:PRINT#CH,CHR$(32):IFST=-128THENCLOSE4:GO
TO1129
1108 IFD$="S"THENOPEN3,3:CH=3
1109 OPEN15,U,15,"I"+DR$:OPEN2,U,2,"W":C=1:X=1:F=0:A$=""
1110 IFD$="P"THEN PRINT#CH,CHR$(13):PRINT#CH,"- LINKED SECTOR TRACE -"

```

```

;CHR$(13)
1111 PRINT#CH,HT$CHR$(32)H$$;" : ";
1112 PRINT#15,"U1:2,"DR$;T;S:PRINT#15,"B-P:2,"+"0":FORJ=1TO2
1113 GET#2,B$:B=ASC(B$+CHR$(0))
1114 IFJ=1THENB=B
1115 IFJ=2THENS=B
1116 A1=INT(B/16):A$=A$+MID$(HX$,A1+1,1)
1117 A2=INT(B-16*A1):A$=A$+MID$(HX$,A2+1,1):NEXTJ
1118 IFF=1THENF=0:IF(T(1)=T AND S(1)=S)THENGOTO1136
1119 IFF=0THENF=1:T(1)=T:S(1)=S
1120 PRINT#CH,MID$(A$,1,2);CHR$(32);MID$(A$,3,2);
1121 C=C+1:IFC=1THEN PRINT#CH," : ";
1122 IFC=2THEN PRINT#CH," : ";
1123 IFC=3THEN PRINT#CH," : ";
1124 IFC=4THEN PRINT#CH," : ";
1125 IFC=5THEN PRINT#CH,CHR$(13);:C=0
1126 A$="" : X=X+1 : IFX=90THENGOSUB1131
1127 GETD$:IFNOTD$=""THEN1136
1128 GOTO 1112
1129 PRINT"#####PRINTER NOT PRESENT          ";CHR$(7);CHR$(7);CHR$(7
);CHR$(7)
1130 PRINT"#####          ";PRINT"#####          " :GOTO500
1131 PRINT"#####          PRESS ANY KEY TO CONTINUE
#####"
1132 GETD$:IFD$=""THEN1132
1133 PRINT"#####
#####"
1134 PRINT"#####";:FORJ=1TO19:PRINT"
":NEXTJ
1135 PRINT"#####";:X=0:GOTO 1112
1136 PRINT"#####          PRESS ANY KEY TO CONTINUE
#####"
1137 GETD$:IFD$=""THEN1137
1138 PRINT"#####
#####"
1139 C=0:X=0:CLOSE2:CLOSE15:PRINT#CH:CLOSECH:GOSUB1140:GOSUB1710:M$="
H":GOTO100
1140 PRINT"#####";
1141 FORJ=1TO19:PRINT"          " :NEXT:RE
TURN
1160 IFM$="H"THENGOTO500
1161 IFM$="A"THENM$="H":PRINT"#####";
1162 C=0:FORJ=0TO255:PRINTBH$(J);:C=C+1:IFC=4THENPRINT" ";
1163 IFC=8THENPRINT" ";
1164 IFC=12THENPRINT" ";
1165 IFC=16THENPRINT:PRINT"#####";:C=0
1166 NEXTJ:GOTO 100

```

```

1200 IFRF=0THENGOTO10080
1205 IFMS="WA"THENGOTO10082
1210 PRINT"SUVE":PB=0:S=33052:C=5
1215 L=PEEK(S):R=PEEK(S+1):POKES,LOR128:POKES+1,ROR128
1220 PRINT"SUVEDEC. LOCATION:"PB;" "
1225 GETD$:IFD$=""THEN1225
1230 IFASC(D$)=13THENPRINT"SU ":POKES,PEEK(S)-128:POKES+1,PEEK(S+1)-12
8:C=0:
1231 IFASC(D$)=13THENPRINT"SUW "":M$="WH":GOTO100
1240 IFASC(D$)=17 THENGOTO1260
1241 IFASC(D$)=145THENGOTO1270
1242 IFASC(D$)=19 THENGOTO1280
1243 IFASC(D$)=29 THENGOTO1290
1244 IFASC(D$)=157THENGOTO1304
1245 IFASC(D$)>47ANDASC(D$)<58THENGOTO1320
1246 IFASC(D$)>64ANDASC(D$)<71THENGOTO1320
1250 GOTO 1225
1260 POKES,L:POKES+1,R:S=S+40:PB=PB+16:IFS>=33692THEMS=S-640:PB=PB-256
:GOTO1215
1262 GOTO1215
1270 POKES,L:POKES+1,R:S=S-40:PB=PB-16:IFS< 33052THEMS=S+640:PB=PB+256
:GOTO1215
1272 GOTO1215
1280 POKES,L:POKES+1,R:S=33052:PB=0:C=5:GOTO1215
1290 POKES,L:POKES+1,R:IFS=33707THENGOTO1215
1292 PB=PB+1:S=S+2:C=C+2:IFC=13THEMS=S+1:C=C+1
1294 IFC=22THEMS=S+1:C=C+1
1296 IFC=31THEMS=S+1:C=C+1
1298 IFC=40THEMS=S-35:C=5:PB=PB-16
1300 IFS=33692THEMS=S-40:PB=PB-16:GOTO1215
1302 GOTO1215
1304 POKES,L:POKES+1,R:IFS=33052THENGOTO1215
1306 PB=PB-1:S=S-2:C=C-2:IFC=12THEMS=S-1:C=C-1
1308 IFC=21THEMS=S-1:C=C-1
1310 IFC=30THEMS=S-1:C=C-1
1312 IFS<33052THEMS=33052
1314 IFC=3THEMS=S+35:C=38:PB=PB+16
1316 GOTO1215
1320 XX$=RIGHT$(BH$(PB),1)+D$:BH$(PB)=XX$
1322 D=0:F=1:L=LEN(XX$):FORI=1TO L:Z$(I)=MID$(XX$,L+1-I,1):FORJ=1TO L
1324 IFZ$(I)=D$(J)THEN1328
1326 NEXTJ
1328 D=D+(J-1)*F:F=F*16:NEXTI:BD(PB)=D
1330 POKES,PEEK(S+1):IFASC(D$)<64THENPOKES+1,ASC(D$)OR128
1332 IFASC(D$)>=64THENPOKES+1,(ASC(D$)-64)OR128
1334 L=R:IFASC(D$)<64THENR=ASC(D$)
1336 IFASC(D$)>=64THENR=ASC(D$)-64

```

```

1338 GOTO1228
1400 IFSS$="WNP"THENGOTO 500
1402 IFRF=0THEN10080
1403 PRINT"SU+W"
1404 OPEN15,U,15,"I"+DR$:OPEN2,U,2,"H"
1406 PRINT#15,"B-P:2,0"
1408 FORX=0TO255
1410 PRINT#2,CHR$(BD(X));
1412 NEXTX:PRINT#15,"B-P:2,0"
1414 PRINT#15,"U2:2,"DR$;TR;SC
1416 PRINT#15,"I"+DR$
1418 CLOSE2:CLOSE15
1420 PRINT"SU  ":GOTO9100
1430 PRINT"SU:U":PRINT"#####  ":S=32796:W$=""
1432 GETD$:POKE$,PEEK(S)OR128:POKE$,PEEK(S)-128:IFD$=""THEN1432
1433 IFASC(D$)=13THEN1444
1434 IF ASC(D$)<65 AND ASC(D$)>70THEN1432
1436 IF ASC(D$)<48 AND ASC(D$)>57THEN1432
1438 Q$=W$:W$=D$:D$="":U$=Q$+W$
1440 S=S+1:IFS>32797THEN S=32797
1442 PRINT "#####"U$:GOTO1432
1444 D=0:F=1:FORI=1TO2:B$(I)=MID$(U$,3-I,1):FORJ=1TO16:IFB$(I)=D$(J)TH
EN1448
1446 NEXTJ
1448 D=D+(J-1)*F:F=F*16:NEXTI:U=D
1450 OPEN1,U,15:PRINT#1," ";:IFST=-128THENS$=" WNP":GOTO1454
1452 S$=" 00"
1454 CLOSE1:GOTO 100
1460 PRINT"SU:U:VALIDATE THE DISK IN DRIVE "DR$;" ? (Y/N)"
1462 GETD$:POKE32918,224:POKE32918,32:IFD$=""THEN1462
1464 IF NOT D$="Y"THEN 1468
1465 POKE32918,153
1466 OPEN1,U,15:PRINT#1,"VALIDATE"+DR$
1467 INPUT#1,EN,EM$,ET,ES:IFEN<>0THENPRINT"SU:U: ";:FORJ=1TO40:PRINT" "
;:NEXTJ:GOTO9000
1468 CLOSE1:PRINT"SU:U: "":GOTO 5
00
1500 PRINT"SU:U:(SPACE) TO TOGGLE, (RETURN) TO TERMINATE"
1502 IFC0=0THENPRINT"SU:U:ON/OFF -"
1503 IFC0=1THENPRINT"SU:U:ON/OFF -"
1504 POKE32817,224:GETD$:IFD$=""THENFORJ=1TO50:NEXTJ:POKE32817,32
1506 IFD$=""THENFORJ=1TO50:NEXTJ:GOTO1504
1507 POKE32817,32:IFASC(D$)=32THEN1515
1509 IF ASC(D$)=13THEN1511
1510 GOTO 1504
1511 PRINT"SU  ":PRINT"SU:U:
[R]:GOTO500

```

```

1515 IFCO=0THENCO=1:GOTO 1502
1516 IFCO=1THENCO=0:GOTO 1502
1550 IFRF=0THEN500
1551 M$="LH":PRINT"HLH"
1552 OPEN15,U,15,"I"+DR$:OPEN2,U,2,"H"
1554 PRINT#15,"U1:2,"DR$;TR;SC
1556 PRINT#15,"B-P:2,0"
1558 GET#2,B$:B1=ASC(B$+CHR$(0))
1560 GET#2,B$:B2=ASC(B$+CHR$(0))
1562 CLOSE2:CLOSE15:A$=""
1564 IF(TR=B1)AND(SC=B2)THEN1590
1566 IF B1=0THEN1590
1568 IFFR$="2A"ANDB1>35THEN1590
1570 IFFR$="2C"ANDB1>77THEN1590
1572 IFFR$="2C"ANDB2>29THEN1590
1574 IFFR$="2A"ANDB2>21THEN1590
1576 TR=B1:SC=B2:A1=INT(TR/16):A$=A$+MID$(HX$,A1+1,1):A2=INT(TR-16*A1)
1578 A$=A$+MID$(HX$,A2+1,1):HT$=A$:A$=""
1580 A1=INT(SC/16):A$=A$+MID$(HX$,A1+1,1):A2=INT(SC-16*A1):A$=A$+MID$(
HX$,A2+1,1)
1582 HS$=A$:A$="":PRINT"TRACK:";HT$;" SECTOR:";HS$:GOTO1000
1590 PRINT"ILLEGAL LINK";CHR$(7);CHR$(7);CHR$(7);CHR$(7)
1592 PRINT" " " :GOTO500
1600 PRINT"JC":FORJ=0TO1000:NEXTJ:PRINT"J":IFD(VAL(DR$))
1603 GETD$:IFD$=""THEN1603
1604 GOTO 99
1610 PRINT"JF":PRINT"FORMAT DISKETTE IN DRIVE "DR$;" ? (Y/N)"
1612 GETD$:POKE32916,224:POKE32916,32:IFD$=""THEN1612
1614 IFNOTD$="Y"THEN1790
1616 POKE32916,153
1618 GOSUB1140
1620 PRINT" INPUT NAME OF DISK...":PRINT"
-----
1625 PRINT" ";:LI=15:GOSUB1800:N1$=IN$
1630 PRINT" INPUT I.D. OF DISK...":PRINT" " " :LI=1
1631 PRINT" ";
1632 GOSUB1800:N2$=IN$:IN$=""
1634 PRINT" INSERT DISK TO BE FORMATTED"
1635 PRINT" AND PRESS ANY KEY...";
1636 GETD$
1638 PRINT" III";:FORJ=0TO50:NEXTJ:PRINT" III III";:FORJ=0TO50:NEXTJ:IFD$=""
THEN1636
1640 GOSUB1140:PRINT" FORMATTING THE DISK IN DRIVE "DR$"."
1642 OPEN1,U,15:PRINT#1,"N"+DR$+" "+N1$+" "+N2$:CLOSE1:GOSUB1140:M$="LH
H":GOSUB1710:GOTO100
1650 PRINT"X":PRINT"X COPY SINGLE FILES :DISK TO DISK":GOSUB1140
1652 PRINT"X SET UP CONFIGURATION ";

```

```

1653 PRINT"USING [SPACE] TO      TOGGLE";
1654 PRINT" AND [RETURN] TO ESCAPE...."
1655 PRINT"[Q]      SOURCE      DRIVE: [B]/1"
1656 PRINT"      DESTINATION DRIVE:  0/[B]"
1660 GETD$: IFD$="" THEN 1660
1661 IFD$=CHR$(32) THEN GOSUB 1668
1662 IFD$=CHR$(13) THEN 1670
1663 IFC=0 THEN PRINT"XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX[B]/1"
1664 IFC=0 THEN PRINT"XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX0/[B]"
1665 IFCTHENPRINT"XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX0/[B]"
1666 IFCTHENPRINT"XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX[B]/1"
1667 GOTO 1660
1668 IFC=0 THEN C=1: RETURN
1669 IFC=1 THEN C=0: RETURN
1670 IFC=0 THEN DD=1: SD=0
1671 IFC=1 THEN DD=0: SD=1
1672 PRINT"[Q]  LOADING DIRECTORY."
1673 PRINT"  PLEASE WAIT...."
1675 QC=0: C=0: SD$=STR$(SD)
1676 IFSD=0 THEN OPEN 1, U, 0, "$0"
1677 IFSD=1 THEN OPEN 1, U, 0, "$1"
1678 FOR J=1 TO 27: GET#1, A$: NEXT J
1679 GET#1, A$, A$, A$, A$: IFST THEN 1685
1680 GET#1, A$: IFST THEN 1685
1681 IFA$=CHR$(34) AND QC=0 THEN QC=1: GOTO 1680
1682 IFA$=CHR$(34) AND QC=1 THEN QC=0: C=C+1: GET#1, A$, A$, A$: GOTO 1679
1683 IFQC=1 THEN NS$(C)=NS$(C)+A$
1684 GOTO 1680
1685 CLOSE 1: C=C-1: PRINT"TYPE [Y]/[N] FOR THE FILES TO BE COPIED....":
PRINT: IFC=-1 THEN 1693
1686 FOR J=0 TO C: PRINT NS$(J);
1687 GETD$: IFD$="" THEN 1687
1688 IFNOTD$="Y" AND NOTD$="N" THEN 1687
1689 IFD$="Y" THEN PRINT: NS(J)=1
1690 IFD$="N" THEN PRINT: PRINT"□"           ||||||||||||||||||||||||||||
";
1691 NEXT J: H=0: FOR J=0 TO C: IF NS(J)=1 THEN H=1
1692 NEXT J
1693 IF H=0 THEN PRINT"NO FILES TO COPY.": GOTO 1700
1694 PRINT"[Q] COPYING... [Q]": DD$=STR$(DD)
1695 FOR J=0 TO C: OPEN 1, U, 15
1696 IFSD=0 THEN IF NS(J)=1 THEN PRINT#1, "C1:" + NS$(J) + "=0:" + NS$(J)
1697 IFSD=1 THEN IF NS(J)=1 THEN PRINT#1, "C0:" + NS$(J) + "=1:" + NS$(J)
1698 IF NS(J)=1 THEN PRINT NS$(J)
1699 CLOSE 1: NEXT J
1700 PRINT"      PRESS ANY KEY"
1702 GETD$: IFD$="" THEN 1702

```



```

9095 R=0:M$="WN":SS$="" 00":C=0
9096 GETD$:IFD$=""THEN9096
9097 PRINT"XXXXXXXXXXXXXXXXXXXXX"
      S'
9098 GOTO99
9099 IFSS$="WNP"THENGOTO500
9100 PRINT"SUJ>":OPEN15,U,15:INPUT#15,EN,EM$,ET,ES:CLOSE15:GOTO9000
9200 RF=0:PRINT"XXXXXXXXXX";
9202 FORJ=1TO17:PRINT"XXXXXXXXX"           ":NEXTJ:R
RETURN
9520 PRINT"XXXXXXXXXX" ":PRINT"SUJ>":S=32774:R$=""
9522 GETD$:POKES,PEEK(S)OR128:POKES,PEEK(S)-128:IFD$=""THEN9522
9524 IFD$=CHR$(13)THENGOSUB9561:GOTO9548
9526 IFASC(D$)>70ORASC(D$)<48THEN9522
9528 IFD$="0"THEN9522
9529 IFD$="="THEN9522
9530 IFD$=">"THEN9522
9531 IFD$="<"THEN9522
9532 IFD$="?"THEN9522
9533 IFD$=";"THEN9522
9534 IFD$=":"THEN9522
9535 GOSUB9540:GOTO9522
9540 PRINT"XXXXXXXXXX";D$
9542 L$=R$:R$=D$:D$="":HT$=L$+R$
9544 S=S+1:IFS>32775THENS=32775
9546 PRINT"XXXXXXXXXX";HT$
9547 RETURN
9548 IFFR$="2A"ANDTR>35THEN9522
9549 IFFR$="2C"ANDTR>77THEN9522
9550 IFTR=0THEN9522
9555 PRINT"XXXXXXXXXXXXX";HT$:GOTO 100
9561 D=0:F=1:FORI=1TO2:B$(I)=MID$(HT$,3-I,1):FORJ=1TO16:IFB$(I)=D$(J)T
HEN9563
9562 NEXTJ
9563 D=D+(J-1)*F:F=F*16:NEXTI:POKE59464,255:FORJ=1TO15:NEXTJ:POKE59464
,0:TR=D
9564 RETURN
9600 PRINT"XXXXXXXXXXXXXXXXXXXXXXXXX" "
9601 PRINT"SUJ>":S=32786:W$=""
9602 GETD$:POKES,PEEK(S)OR128:POKES,PEEK(S)-128:IFD$=""THEN9602
9603 IFD$=CHR$(13)THEN9620
9604 IFASC(D$)>70ORASC(D$)<48THEN9602
9605 IFD$="0"THEN9602
9606 IFD$="="THEN9602
9607 IFD$=">"THEN9602
9608 IFD$="<"THEN9602
9609 IFD$="?"THEN9602

```

```

9610 IFD$="" THEN9602
9611 IFD$=":" THEN9602
9612 Q$=M$:M$=D$:D$="":HS$=Q$+M$
9613 S=S+1:IFS>32787THENS=32787
9615 PRINT"#####";HS$
9616 GOTO9602
9620 D=0:F=1:FORI=1TO2:BS(I)=MID$(HS$,3-I,1):FORJ=1TO16
9621 IFB$(I)=D$(J)THEN9623
9622 NEXTJ
9623 D=D+(J-1)*F:F=F*16:NEXTI:POKE59464,255:FORJ=1TO15:NEXTJ:POKE59464
,0:SC=D
9624 IFSC>30THEN9602
9625 PRINT"#####SECTOR:";HS$
9626 GOTO 100
9630 IFFR$="2A"THENFR$="2C":GOTO9632
9631 IFFR$="2C"THENFR$="2A"
9632 PRINT"#####";FR$
9633 GOTO 100
9640 PRINT"#####ID":S=32826:IR$=""
9650 GETD$:POKE5,PEEK(S)OR128:POKE5,PEEK(S)-128:IFD$="" THEN9650
9651 IFD$=CHR$(13)THEN9665
9652 IFASC(D$)>70ORASC(D$)<48THEN9650
9653 IFD$="0"THEN9650
9654 IFD$="="THEN9650
9655 IFD$=">"THEN9650
9656 IFD$="<"THEN9650
9657 IFD$="?"THEN9650
9658 IFD$=";"THEN9650
9659 IFD$=":"THEN9650
9660 IL$=IR$:IR$=D$:D$="":S=S+1:IFS>32828THENS=32828
9661 ID$=IL$+IR$:PRINT"#####";IL$:IR$:GOTO9650
9665 L=LEN(ID$):D=0:F=1:FORI=1TOL:BS(I)=MID$(ID$,L+1-I,1):FORJ=1TO16
9666 IFB$(I)=D$(J)THEN9668
9667 NEXTJ
9668 D=D+(J-1)*F:F=F*16:NEXTI:POKE59464,255:FORJ=1TO15:NEXTJ:POKE59464
,0
9669 ID=D:OPEN15,U,15:PRINT#15,"M-W"CHR$(159)CHR$(16)CHR$(1)CHR$(ID):C
LOSE15
9670 GOTO 100
9680 PRINT"#####P="
9681 OPEN4,4:PRINT#4,CHR$(32):IFST=-128THENCLOSE4:GOTO9730
9682 IFRF<>1THENCLOSE4:GOTO9715
9683 PRINT#4,"- SECTOR DUMP -":PRINT#4
9684 PRINT#4,"TRACK:";TR$;" SECTOR:";SC$:PRINT#4:IFM$="QA"THENF=1:GO
SUB9690
9685 FORJ=0TO255:PRINT#4,BH$(J):;C=C+1:IFC=4THENPRINT#4," ";
9686 IFC=8THENPRINT#4," ";

```

```

9687 IFC=12THENPRINT#4," ";
9688 IFC=16THENC=0:PRINT#4
9689 NEXTJ:CLOSE4:PRINT"END ":GOTO100
9690 CMD4
9691 FORJ=0TO255:IFBD(J)=145THENPRINT"145 ";:GOTO9710
9692 IFBD(J)=147THENPRINT"147 ";:GOTO9710
9693 IFBD(J)=157THENPRINT"157 ";:GOTO9710
9694 IFBD(J)=3THENPRINT"3 ";:GOTO9710
9695 IFBD(J)=29THENPRINT"29 ";:GOTO9710
9696 IFBD(J)=17THENPRINT"17 ";:GOTO9710
9697 IFBD(J)=20THENPRINT"20 ";:GOTO9710
9698 IFBD(J)=19THENPRINT"19 ";:GOTO9710
9699 IFBD(J)=18THENPRINT"18 ";:GOTO9710
9700 IFBD(J)=98THEN PRINTCHR$(98);" ";:POKE205,0:GOTO9710
9701 IFBD(J)=34THEN PRINTCHR$(34);" ";:POKE205,0:GOTO9710
9702 IFBD(J)=178THENPRINT"= ";:GOTO9710
9707 IFBD(J)<32THENPRINT"32 ";:GOTO9710
9708 IFBD(J)>127ANDBD(J)<161THENPRINT"127 ";:GOTO9710
9709 PRINTCHR$(BD(J));" ";
9710 C=C+1:IF C=16 THENA=0:PRINT:PRINT"#####";:C=0:GOTO9712
9711 A=A+1:IFA=4THENPRINT" ";:A=0
9712 NEXTJ
9713 IFFTHENPRINT#4:CLOSE4:PRINT"END ":GOTO100
9714 GOTO100
9715 PRINT"#####EMPTY BUFFER";CHR$(7);CHR$(7);CHR$(7)
9720 PRINT"##### ":GOTO500
9730 PRINT"#####PRINTER NOT PRESENT";CHR$(7);CHR$(7);CHR$(7)
9731 PRINT"##### ":GOTO500
9899 IFSS$="WNP"THENGOTO500
9900 PRINT"#####"
9901 IFFR$="2C"THEN9977
9905 PRINT"#####BAM MAP OR ERROR MAP"
9910 GETD$:POKE32888,PEEK(32888)OR128:POKE32899,PEEK(32899)OR128
9920 POKE32888,PEEK(32888)-128:POKE32899,PEEK(32899)-128:IFD$=""THEN99
10
9930 IFD$="B"THENPRINT"#####" ":GOTO 9932
9931 IFD$="E"THENPRINT"#####ERROR MAP ":FORJ=0TO1000:NEXT:GO
T010010
9932 OPEN15,U,15,"I"+DR$:Z4=1:OPEN2,U,2,"W"
9933 DEFFNS(Z)=2+(S-INT(S/8)*8)AND(SB(INT(S/8)))
9934 PRINT#15,"U1:2,"DR$;18;0
9935 INPUT#15,EN,EM$,ET,ES:IFEN<>0THEN9900
9936 PRINT#15,"B-P:2,1"
9938 PRINT"#####BLOCK AVAILABILITY"
9939 PRINT"#####MAP#####USED#####-EDIT"
9940 PRINT"##### [ ] [ ] [ ] [ ] [ ]";
9941 FORG=1TO17:PRINT" [ ]";:NEXTG

```

```
9942 PRINT"814011130111201111011100110F0110E0110D0110C0110B0110A01109
0110801107"
9943 PRINT"06011050110401103011020110101100"
9944 PRINT"000000000000000000000000000011111111111111112222"
9945 PRINT"0123456789ABCDEF0123456789ABCDEF01236":PRINT"6";
9946 PRINT"0000";:FORG=1T021:PRINT" 000";:NEXT:PRINT"000";:FORG=1T035:PRI
NT"000";:NEXTG
9947 Y=23:X=1:PRINTLEFT$(Y$,Y)LEFT$(X$,X)"000";
9950 GET#2,B$:GET#2,B$:GET#2,B$:TS=0
9951 FORT=1T035
9952 GET#2,S$:SS=ASC(RIGHT$(CHR$(0)+SS,1)):TS=TS+SS
9953 GET#2,B$:IFB$=""THENB$=CHR$(0)
9954 SB(0)=ASC(B$)
9955 GET#2,B$:IFB$=""THENB$=CHR$(0)
9956 SB(1)=ASC(B$)
9957 GET#2,B$:IFB$=""THENB$=CHR$(0)
9958 SB(2)=ASC(B$)
9960 Y=24:X=T+3:PRINTLEFT$(Y$,Y)LEFT$(X$,X)"000";
9961 PRINT"000";
9962 FORS=0T020:GETD$:IFNOTD$=""THENL0034
9963 IFT<18THEN9967
9964 IFT>17ANDS=20THENGOT09971
9965 IFT>24ANDS=18THENGOT09971
9966 IFT>30ANDS=17THENGOT09971
9967 IFT>17ANDS=19THENZ4=Z4+1:GOT09971
9968 IFFNS(S)=0THENPRINT"0";:GOT09971
9970 PRINT". ";
9971 PRINT"000";
9972 NEXTS,T
9973 PRINT"000";
9974 GETD$:IFD$=""THEN9974
9975 IFD$="E"THEN9980
9976 CLOSE2:CLOSE15:PRINT"Q":GOSUB1710:M$="Q":GOTO100
9977 PRINT"UNABLE TO GENERATE ON 2C";CHR$(7);CHR$(7);CHR$(7);CHR$
(7);CHR$(7)
9978 PRINT"UNABLE TO GENERATE ON 2C"
9979 GOT0500
9980 X=3:Y=21:TR=1:SC=0
9981 V=PEEK(32768+X+(Y*40))
9982 POKE32768+X+(Y*40),VOR128
9983 GETD$:IFD$=""THEN9983
9984 POKE32768+X+(Y*40),V
9985 IFASC(D$)=19THENX=3:Y=1:TR=1:SC=20:GOT09981
9986 IFASC(D$)=13THENGOT09974
9987 IFASC(D$)=17THENY=Y+1:SC=SC-1
9988 IFY>21THENY=21:SC=SC+1
9989 IFASC(D$)=145THENY=Y-1:SC=SC+1
```



```

10033 GOTO10024
10034 CLOSE2:CLOSE15
10040 GETD$:PRINT"SU"SPC(25);"DONE":FORJ=0T0200:NEXTJ
10041 PRINT"SU"SPC(25);"DONE":FORJ=0T0200:NEXTJ
10042 IFD$=""THEN10040
10045 FORJ=0T01000:NEXT
10050 TR=19:SC=0:PRINT"L":GOSUB1710:M$="LH":GOTO100
10060 PRINT"SU+LR"
10070 OPEN15,U,15:PRINT#15,"UJ":PRINT"SU+LR"RESET UNIT #'U$:CLOSE15
10075 PRINT"SU+LR" ":PRINT"SU "":M$="LH":GOTO500
10080 PRINT"SU+LR"EMPTY BUFFER";CHR$(7);CHR$(7);CHR$(7);CHR$(7)
10081 PRINT"SU+LR" ":M$="LH":GOTO100
10082 PRINT"SU+LR"NOT IN HEX MODE";CHR$(7);CHR$(7);CHR$(7);CHR$(7)
10083 PRINT"SU+LR" ":GOTO500
10100 X=3:Y=21:TR=1:SC=0
10102 V=PEEK(32768+X+(Y*40))
10104 POKE32768+X+(Y*40),VOR128
10106 GETD$:IFD$=""THEN10106
10108 POKE32768+X+(Y*40),V
10110 IFASC(D$)=19THENX=3:Y=1:TR=1:SC=20:GOTO10102
10112 IFASC(D$)=13THENRETURN
10114 IFASC(D$)=17THENY=Y+1:SC=SC-1
10116 IFY>21THENY=21:SC=SC+1
10118 IFASC(D$)=145THENY=Y-1:SC=SC+1
10120 IFY<1THENY=1:SC=SC-1
10122 IFY<3ANDX>19THENY=3:SC=SC-1
10124 IFY<4ANDX>26THENY=4:SC=SC-1
10126 IFY<5ANDX>32THENY=5:SC=SC-1
10128 IFASC(D$)=29THENX=X+1:TR=TR+1
10130 IFX>37THENX=37:TR=TR-1
10132 IFX>19ANDY=1THENX=19:TR=TR-1
10134 IFX>19ANDY=2THENX=19:TR=TR-1
10136 IFX>26ANDY=3THENX=26:TR=TR-1
10138 IFX>32ANDY=4THENX=32:TR=TR-1
10140 IFASC(D$)=157THENX=X-1:TR=TR-1
10142 IFX<3THENX=3:TR=TR+1
10144 GOTO10102

```

READY.