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U 1 .BLUE RAM DIAGNOSTIC
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3 .PERKINS ENGINEERING
4 .1004 PLEASANT AVE.
5 .BOYNE CITY, MI 49712
6 .
7 . 6/2/80
8 .
10 CLEAR ;FC=232;BC=237;&(192)=0;&(162)=0;&(163)=0;%(28736)=-13885;%(28739)=-1
3877;GOTO 80
20 Y=Ac256-44;X=RM-80;H=Bc256;FOR N=1TO 2;BOX X,Y,RM+2-2bN,H+2-2bN,N;NEXT N;RE
TURN
30 FOR N=-1TO 1;CY=Ac256-44-Nb8b(B=0);CX=RM-79+Nb6b(B#0);TV=(65-N)b(N<1)+68b(N
=1);NEXT N;RETURN
40 CY=Ac256-44;CX=RM-79;TV=63;RETURN
50 K=KP;IF (K=49)+(K=31)RUN
60 BOX 0,-40,160,8,2;CX=-59;CY=-40;RETURN
70 A=(Tb6+10713+B)b(T#112)+17466b(T=112);B=(T=112);GOSUB 30+(C#D)b10;RETURN
80 PRINT " BLUE-RAM DIAGNOSTIC";PRINT ;PRINT "RUNNING...";A=256;S=0;FOR M=28
671TO 28798;S=S+%(M)c256;NEXT M;IF S=2718CALL28672
90 BOX 0,24,160,15,(A#0)b2;GOSUB 60;P=A;IF A=0GOTO 220
100 A=12112;B=16254;GOSUB 20
110 A=3387;B=2121;GOSUB 20
120 A=5947;B=3669;GOSUB 20
130 A=17466;B=4413;GOSUB 20
140 B=4363;FOR A=17504TO 17525STEP 21;GOSUB 20;NEXT A
150 B=6923;FOR A=11289TO 11373STEP 12;GOSUB 20;NEXT A
160 B=5387;FOR A=10618TO 10630STEP 12;GOSUB 20;NEXT A
170 A=6005;B=2841;GOSUB 20
180 IF P#256GOTO 230
190 IF S=14336PRINT "MAY NOT BE CONNECTED",;A=17504;GOSUB 40;A=10618;GOSUB 40;G
OSUB 50
200 IF %(28736)#-13885PRINT "CAN'T ACCESS MEMORY",;A=6005;GOSUB 40;A=17466;GOSU
B 40;GOSUB 50
210 PRINT "DEFECTIVE RAM",;T=112;C=D;GOSUB 70;GOSUB 50
220 GOTO 260
230 IF P=255PRINT "CHECK MODE SWITCH",;A=17525;GOSUB 40;GOSUB 50
240 PRINT "DEFECTIVE RAM",;C=P;FOR T=108TO 96STEP -4;FOR B=0TO 12STEP 12;C=Cb2;
IF C>255C=C-256;D=C;E=B;GOSUB 70;B=E
250 NEXT B;NEXT T;GOSUB 50
260 FOR N=160TO 161;R=&(N);IF R#0F=0;GOSUB 310
270 &(N)=255;&(N+2)=255;R=&(N);IF R#255F=1;GOSUB 310
280 &(N)=0;R=&(N);IF R#0F=2;GOSUB 310
290 &(N+2)=0;NEXT N;IF P=0PRINT "ALL TESTS PASSED",;GOSUB 50
300 PRINT "END OF TESTS",;GOSUB 50;STOP
310 Q=N;IF P>511GOTO 340
320 P=P+512;BOX 0,-4,160,79,2;A=12107;B=8036;GOSUB 20;A=15481;B=780;GOSUB 20;A=
15490;B=1801;GOSUB 20
330 FOR T=0TO 1;A=14408-Tb4352;B=2639;GOSUB 20;FOR S=0TO 11;A=14375-Tb4352+Sb6;
B=1539;GOSUB 20;NEXT S;NEXT T
340 N=Q;IF F=0PRINT "INPUT ",
350 IF FPRINT "OUTPUT ",
360 PRINT "HUNG ",;IF F#1PRINT "HIGH",
370 IF F=1PRINT "LOW",;R=255-R
380 CY=23-(N-160)b40;C=416-Nb2;FOR B=0TO 7;R=Rb2;IF R<256GOTO 400
390 CX=(20-Bb6)b(N=160)+(Bb6-34)b(N=161);TV=C;R=R-256
400 NEXT B;GOSUB 50;RETURN
410 CLEAR ;NT=1;:PRINT ;FOR N=0TO 9;TV=31;NEXT N;LIST ;PRINT " :RETURN ;RUN " :;R
ETURN

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