1001 .CUSTOM GRAPHICS 1002 .VERSION 3.1 1003 .BY RICH TIETJENS 1010 GOTO 1030 1020 %(Y)=V;MU=V;Y=Y+W;RETURN 1030 CLEAR ;NT=1;X=0;INPUT "ASSY ADDR"Y, "BYTES WIDE"Q;R=Y;Z=1020;W=2 1035 INPUT "DOTS HIGH"H, "TABLE ADDR"T, "# CHARS"N 1037 PRINT #6, "TABLE REQUIRES", QbHbN, " BYTESLAST ADDRESS: ", T+QbHbN 1038 FOR S=0TO QbHbN;@(S)=0;MU=S;NEXT S;S=0 1039 FOR D=0T0 999:NEXT D 1040 CLEAR ; BOX Qb20-73.32-Hb5c2.Qb40+1.Hb5+1.3 1045 FOR U=1T0 H;FOR C=1T0 8bQ;BOX Cb5-75,35-Ub5,4,4,3;NEXT C;NEXT U 1047 FOR I=1TO N 1050 C=-70;U=30 1060 BOX C, U, 4, 4, 3; BOX C, U, 4, 4, 3 1070 BOX C.U.4.4.TR(1)b((KN(1)(0)+1) 1080 C=C+JX(1)b5;U=U+JY(1)b5;IF C>Ob40-75IF TR(1)GOTO 1100 1090 GOTO 1060 1100 L=128; FOR U=1TO H; FOR C=1TO 8bQ 1110 @(S)=@(S)+PX(Cb5-75,35-Ub5)bL;L=Lc2;IF L=0L=128;S=S+1 1115 MU=@(S) 1120 NEXT C; NEXT U; NEXT I 1200 V=-43; GOSUB Z; V=6965; GOSUB Z 1210 V=10240:GOSUB Z:V=R+10:GOSUB Z 1220 V=-13871: GOSUB Z: W=1: V=112: GOSUB Z 1230 W=2;V=R+16;GOSUB Z;V=128;GOSUB Z 1240 W=1;V=48;GOSUB Z;V=128;GOSUB Z 1250 V=Qb8;GOSUB Z;V=H;GOSUB Z 1260 V=Q;GOSUB Z;V=H;GOSUB Z 1270 W=2;V=T;GOSUB Z;W=1;Y=T 1280 FOR S=0TO QbHbN;V=@(S);GOSUB Z;NEXT S 1300 CLEAR ;FOR I=0T0 N-1;%(R+3)=10240+Ib0b8+1;%(R+13)=128+I;CALLR 1310 NEXT I; CY=40 1320 PRINT "OK?"; IF KP#13GOTO 1320 1330 INPUT "FILE #"F; PRINT 'START TAPE & PRESS "GO" 1340 IF KP#13G0T0 1340 1350 :PRINT ;NT=2;PRINT ;TV=Fc256;TV=RM;PRINT 1360 FOR X=RTO R+22STEP 2; PRINT #0, "%(",X,")=",%(X); NEXT X 1370 FOR X=TTO T+QbHbNSTEP 2; PRINT #0, "%(",X,")=",%(X); NEXT X 1380 PRINT ":RETURN ;RUN 1390 :RETURN ;.END 3

BALLY BASIC

CUSTOM GRAPHICS ASTRO BASIC

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LOWERCASE = 1-BYTE KEYPAD WORDS, UNDERSCORES
               1066 CHARACTERS
= SPACES.
      .CUSTOM GRAPHICS
1001
     .VERSION_3.1
1002
      .BY_RICH_TIETJENS
1003
      goto 1030
1010
     %(Y)=V;MU=V;Y=Y+W;return
1020
     clear ;NT=1;X=0;input *ASSY_ADDR*Y,*BYT
1030
ES_WIDE Q;R=Y;Z=1020;W=2
      input "DOTS_HIGH"H, TABLE_ADDR"T, *_CHA
1035
RS'N
      print #6, TABLE_REQUIRES , QxHxN, __BYTES
1037
LAST ADDRESS: , T+Q×H×N
     for S=Oto QxHxN;@(S)=O;MU=S;next S;S=O
1038
      for D=Oto 999;next D
1039
      clear ;box Qx20-73,32-Hx5+2,Qx40+1,Hx5+
1040
1,3
     for U=1to H; for C=1to 8x0; box Cx5-75,35
1045
-Ux5,4,4,3;next C;next U
1047
     for I=1to N
      C=-70;U=30
1050
      box C,U,4,4,3;box C,U,4,4,3
1060
      box C,U,4,4,TR(1)×((KN(1)<0)+1)
1070
      C=C+JX(1)x5;U=U+JY(1)x5;if C>Qx40-75if
1080
TR(1)qoto 1100
     goto 1060
1090
      L=128;for U=1to H;for C=1to 8×Q
1100
      @(S)=@(S)+PX(Cx5-75,35-Ux5)xL;L=L+2;if
1110
L=0L=128;S=S+1
1115
      MU=@(S)
      next C;next U;next I
1120
      V=-43;gosub Z;V=6965;gosub Z
1200
      V=10240; gosub Z; V=R+10; gosub Z
1210
      V=-13871;gosub Z;W=1;V=112;gosub Z
1220
      W=2;V=R+16;gosub Z;V=128;gosub Z
1230
      W=1;V=48;qosub Z;V=128;gosub Z
1240
      V=Qx8;qosub Z;V=H;qosub
1250
                              7
      V=Q;gosub Z;V=H;gosub Z
1260
      W=2;V=T;gosub Z;W=1;Y=T
1270
      for S=Oto QxHxN;V=@(S);gosub Z;next S
1280
      clear ;for I=0to N-1;%(R+3)=10240+I×Q×8
1300
+1;%(R+13)=128+I;CALLR
1310
      next I;CY=40
1320
      print "OK?"; if KP#13goto 1320
      input *FILE **F;print 'START_TAPE_&_PRE
1330
SS "GO"
1340
      if KP#13goto 1340
      :print ;NT=2;print ;TV=F#256;TV=RM;prin
1350
t
1360 for X=Rto R+22step 2;print #0,"%(",X,")
=",%(X);next X
1370 for X=Tto T+QxHxNstep 2;print #0,"%(",X
,")=",%(X);next X
1380 print ":return ;run
      :return ;.END
1390
```