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1 GOTO 6:REM SCHEMA.SCH
2 POKE &A447,0:CALL &A433:RETURN
3 POKE &A447,1:CALL &A433:RETURN
4 POKE &A585,&3:POKE &A555,&4:POKE &A57E,&37:POKE &A57F,&C8:POKE &A580,&11:POKE &A586,&AF:POKE &A587,&CB:POKE &A588,&11:POKE &A5B1,&
5:POKE &A5D2,&B:RETURN
5 POKE &A585,&6:POKE &A555,&1:POKE &A57E,&0:POKE &A57F,&0:POKE &A580,&0:POKE &A586,&0:POKE &A587,&0:POKE &A588,&0:POKE &A5B1,&6:POKE
&A5D2,&6:RETURN
6 BORDER PEEK(&A626)
7 IF PEEK(&A625)=1 THEN d$="B":ELSE d$="A:"
20 DEFINT a-z:dc=0
40 MODE 2:GOSUB 2
50 GOSUB 230
60 DEFINT a-z
70 CALL &A300,&v,&w,&x,&y,&z,&t
71 zq=FRE("&")
80 IF (v<0 OR v>639)OR(w<0 OR w>399)THEN SOUND 1,600,15
90 IF INKEY(62)>-1 THEN IF dc=0 THEN dc=1 ELSE dc=0
100 GOSUB 1040
120 ON t GOSUB 100,200,230,230
130 GOSUB 150:GOTO 70
150 ORIGIN v,w:IF a<=41 THEN 155 ELSE 165
155 ORIGIN v,w:ON a GOSUB 3010,3110,3210,3310,3410,3510,3610,3710,3810,3910,4010,4110,4210,4310,4410,4510,2080,5110,5210,5310,5410,5
510,5610,5710,6010,6110,6210,6310,6410,6510,6610,6710,7010,7110,7210,7310,7410,7510,7610,7710
156 RETURN
165 IF a>98 THEN at=a-98:ON at GOSUB 3730,3520,3150,2850,2010,2866,2867,2868,2869,9010,9010,9010,8030,8130
166 RETURN
180 GOSUB 150:GOSUB 21t=0:RETURN
200 POKE &A451,0:CALL &A440:GOSUB 180:POKE &A451,1:CALL &A440:t=t+0:RETURN
230 n$="":v=320:w=200:x=1:y=1:z=0:GOSUB 2:IF t=3 THEN 450
240 r$="":n$="":t=t+0:MODE 2:RESTORE 290
250 LOCATE 1,1:PRINT CHR$(24);(R)epertoire (C)harger (S)auver (E)ramer (I)mpriemer (N)ouveau (Q)uitter ";CHR$(24)
260 FOR i=1 TO 69 STEP 17:FOR j=4 TO 18 STEP 2:READ comp$
270 IF i=35 THEN LOCATE i+2,j ELSE IF i=52 THEN LOCATE i+1,j ELSE IF i=69 THEN LOCATE i-2,j ELSE LOCATE i,j
280 PRINT comp$:NEXT:NEXT
290 DATA 1 POINTS,2 RECTANGLES,3 CARRÉS,4 POINTILLES, 5 COIN/CROIX,6 CONNEXIONS,7 FLECHE,8 ALPHA,9 RESISTANCE,10 AJUSTABLE,11 POTENT
IOMETRE,12 CONDENSATEUR,13 COND POLARISE, 14 IC, 15 MASSE/TERRER,16 CERCELES
300 DATA 17 DIODE,18 PONT,19 LED,20 INTERS,21 INVERSEUR,22 POUSSOIR,23 RELAIS,24 FUSIBLE, 25 ZENER,26 SELF,27 VARICAP,28 QUARTZ,29 F
1.,30 NPN,31 PNP,32 FET,33 AND,34 NAND,35 OR,36 NOR,37 EXOR,38 EXNOR,39 NO,40 ACCU
310 LOCATE 4,22:PRINT"TAPEZ une LETTRE du MENU ou le NUMERO du COMPOSANT : ";
320 LINE INPUT "",r$:r$=UPPER$(r$):IF r$=""THEN a=0:RETURN
330 ok$="RCSEIND":IF INSTR(ok$,r$)=0 THEN 350
340 ON INSTR(ok$,r$)GOTO 510,510,510,510,660,730,770
350 a=VAL(LEFT$(r$,2)):IF a<1 OR a>40 THEN 310
360
430 RETURN
450 t=0:WINDOW#1,35,45,12,15:CLS#1:PRINT#1,"COMPOSANT":PRINT#1," No: ";
460 LINE INPUT#1,"",r$:IF r$=""THEN 240 ELSE a=VAL(LEFT$(r$,2))
470 IF a<1 OR a>40 THEN 450 ELSE GOTO 360
490 CLS:LOCATE 4,4:PRINT CHR$(7);"INSEREZ LA DISQUETTE DATA DANS LE LECTEUR ";LEFT$(d$,1);" ET APPUYEZ SUR UNE TOUCHE "
500 get$="":get$=UPPER$(INKEY$):IF get$=""THEN 500 ELSE IF get$="M"THEN 240
510 MODE 2:POKE &A46B,PEEK(&A625):POKE &A46A,&C1:CALL &A452
520 IF PEEK(&A46B)=255 THEN GOTO 490
530 POKE &A700,PEEK(&A625):CAT:POKE &A700,0
540 ON INSTR(ok$,r$)GOTO 640,590,560,620
560 LINE INPUT"NM DU SCHEMA A SAUVEGARDER (SANS extension) : ",n$:IF n$=""THEN 640
570 n$=d$+n$+".SAO":PRINT:PRINT"SAUVEGARDE EN COURS...":CALL &A482,1,n$:GOTO 640
590 LINE INPUT"NM DU SCHEMA A CHARGER (extension par default = .SAO) : ",n$:IF n$=""THEN 640
600 n$=d$+n$+".SAO":IF INSTR(n$,".")=0 THEN n$=n$+".SAO"
605 PRINT:PRINT"CHARGEMENT EN COURS...":CALL &A482,0,n$:GOTO 640
620 LINE INPUT"NM DU SCHEMA A ERASER (AVEC extension) : ",n$:IF n$=""THEN 640
630 n$=d$+n$:PRINT:PRINT"EFFACEMENT...":ERA,n$:POKE &A700,PEEK(&A625):CAT:POKE &A700,0
640 PRINT:PRINT" TAPEZ UNE TOUCHE":CALL &B010:GOTO 240
660 WINDOW#0,33,47,8,15:PAPER 1:PEN 0:CLS
670 PRINT:PRINT"APPUYEZ SUR 'O':PRINT"POUR CONFIRMER":PRINT
680 PRINT" AUTRE TOUCHE":PRINT:PRINT" ANNULLATION"
690 CALL &B010:IF INKEY(134)=-1 THEN 710
695 MODE 2:INPUT"nombre de passes : ",paz$;paz=VAL(paz$)
696 :INPUT"SIMPLE densite ou Double (S/D) ?":dens$;dens$=UPPER$(dens$):IF dens$="D"THEN GOSUB 5 ELSE GOSUB 4
700 MODE 2:GOSUB 3:CALL &A4F4,paz
710 PAPER 0:PEN 1:GOTO 240
730 mo$=" NOUVEAU":lo$="N":o=66:GOSUB 810
740 IF co<>1 THEN 240
750 MODE 2:GOSUB 2:GOTO 240
770 mo$=" QUITTER":lo$="Q":o=67:az=69:GOSUB 810
780 IF co<>1 THEN 240
790 CALL 0
810 WINDOW#0,33,47,8,15:PAPER 1:PEN 0:CLS
820 PRINT:PRINT" CTRL/SHIFT ";lo$:PRINT:PRINT mo$:PRINT
830 PRINT" AUTRE TOUCHE":PRINT:PRINT" ANNULLATION"
840 co=0:CALL &B010:IF (INKEY(0)=160 OR INKEY(az)=160)THEN co=1
850 PAPER 0:PEN 1:RETURN
1040 IF dc=0 THEN RETURN
1050 LOCATE 1,1:PRINT CHR$(24);v,w;CHR$(24);
1060 FOR i=0 TO 100:NEXT temporisation
1070 LOCATE 1,1:PRINT SPACES(12):RETURN
1080 ORIGIN v,w:PLOT-x,4*y:PLOT 0,6*y:PLOT x,8*y:PLOT 2*x,10*y:PLOT 4*x,12*y:PLOT 6*x,14*y:PLOT 7*x,14*y:PLOT 10*x,16*y:PLOT 18*x,18
*y:PLOT 25*x,16*y:PLOT 29*x,14*y:PLOT 31*x,12*y:PLOT 33*x,10*y:PLOT 34*x,8*y:PLOT 35*x,6*y:PLOT 36*x,4*y
2020 DRAW 36*x,-4*y:PLOT 35*x,-6*y:PLOT 34*x,-8*y:PLOT 33*x,-10*y:PLOT 31*x,-12*y:PLOT 29*x,-14*y:PLOT 25*x,-16*y:PLOT 18*x,-18*y:DR
AW 10*x,-16*y:PLOT 7*x,-14*y:PLOT 6*x,-14*y:PLOT 4*x,-12*y:PLOT 2*x,-10*y:PLOT x,-8*y:PLOT 0,-6*y:PLOT -x,-4*y
2030 DRAW -x,4*y:RETURN
2050 PLOT 0,2*y:PLOT x,4*y:PLOT 2*x,6*y:PLOT 3*x,8*y:PLOT 4*x,8*y:PLOT 7*x,8*y:PLOT 8*x,10*y:PLOT 12*x,10*y:PLOT 13*x,8*y:PLOT 16*x,
8*y:PLOT 17*x,6*y:PLOT 18*x,6*y:PLOT 19*x,4*y:PLOT 20*x,2*y
2060 DRAW 20*x,-2*y:PLOT 19*x,-4*y:PLOT 17*x,-6*y:PLOT 18*x,-6*y:PLOT 16*x,-8*y:PLOT 13*x,-8*y:PLOT 12*x,-10*y:PLOT 8*x,-10*y:PLOT 7
*x,-8*y:PLOT 4*x,-8*y:PLOT 3*x,-6*y:PLOT 2*x,-6*y:PLOT x,-4*y:PLOT 0,-2*y:PLOT 0,-2*y:RETURN
2065 ORIGIN v,w:PLOT-pl,0:PLOT 0,-pl:PLOT 0,pl:PLOT pl,0:IF T=1 OR T=2 THEN DEG:FOR PAS=0 TO 360 STEP 10:DRAW pl*ICOS(PAS),pl*SIN(PAS
):NEXT:RAD:RETURN ELSE RETURN

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2866 p1=34:GOTO 2865
2867 p1=68:GOTO 2865
2868 p1=102:GOTO 2865
2869 p1=136:GOTO 2865
2880 ORIGIN v,w:IF z=1 THEN 2110
2890 PLOT-6*x,0:DRAW 11*x,0
2100 PLOT-x,4:DRAW-x,4:PLOT 0,-4:DRAW 0,4:FOR i=0 TO 6:PLOT i*x,i:DRAW i*x,-i:NEXT:RETURN
2110 PLOT 15,-4*y:DRAW 23,-4*y:PLOT 19,-4*y:DRAW 19,2*y
2120 PLOT 15,-12*y:DRAW 23,-12*y:PLOT 19,-12*y:DRAW 19,-18*y:GOTO 3630
2180 PLOT-2,2:DRAW 3,2:DRAW-1,0:PLOT 2,0:DRAW 4,0:PLOT-2,-2:DRAW 3,-2:RETURN
2195 PLOT-2,4:DRAW 2,4:PLOT-2,4:DRAW 2,-4:PLOT-4,-2:DRAW-4,2:PLOT 4,-2:DRAW 4,2:PLOT-3,-2:DRAW-3,2:PLOT 3,-2:DRAW 3,2:GOTO 2180
2210 ORIGIN v+org,w+4:DRAW 0,-12:PLOT 1*x,0:DRAW 1*x,-12:DRAW 4*x,-12:DRAW 4*x,-20:DRAW 0,-20:DRAW 0,-32:PLOT 1*x,-20:DRAW 1*x,-32:P
LOT 0,-32:DRAW 1*g*x,-32:DRAW 1*g*x,0:DRAW(1-g-1)*x,0:DRAW(1-g-1)*x,0:DRAW 0,0:RETURN
2230 ORIGIN v-4,w+org:DRAW 12,0:DRAW 12,-4*y:DRAW 20,-4*y:DRAW 20,0:DRAW 32,0:PLOT 32,0:DRAW 32,-1*g*y:DRAW 0,-1*g*y:DRAW 0,0:RETURN
3810 IF z=1 THEN 3830
3820 DRAW 4*x,0:PLOT 0,-2*y:DRAW 4*x,-2*y:PLOT 0,2*y:DRAW 4*x,2*y:RETURN
3830 DRAW 5,0:PLOT 0,-2:DRAW 5,-2:DRAW 0,2:DRAW 5,2:RETURN
3110 IF t=2 THEN PLOT 0,0:RETURN
3120 MOVE 0,5:DRAW 0,12:MOVE 6,0:DRAW 12,0:MOVE 0,-6:DRAW 0,-12:MOVE-6,0:DRAW-12,0:PLOT 0,0
3130 IF T=1 THEN GOSUB 3:v1=v:w1=w:IF a=2 THEN a=B3 ELSE a=B2
3140 RETURN
3150 ORIGIN 0,0:PLOT v1,w1:IF z=1 THEN 3170
3160 DRAW v1,w:DRAW v,w:DRAW v,w1:DRAW v1,w1:GOTO 3180
3170 FOR i=w1 TO w STEP-0:DRAW 0,-4:MOVE 0,-4:NEXT:FOR i=v1 TO v STEP 0:DRAW 4,0:MOVE 4,0:NEXT:FOR i=w1 TO w STEP-0:DRAW 0,4:MO
VER 0,4:NEXT:FOR i=v1 TO v STEP 0:DRAW-4,0:MOVE-4,0:NEXT
3180 IF t=1 OR t=2 THEN a=2:v=v1:w=w1:RETURN ELSE GOTO 3
3210 IF z=1 THEN DRAW 0,-15:DRAW 15,-15:DRAW 15,0:DRAW 0,0:RETURN ELSE ORIGIN 0,0:TAG:MOVE v,w:PRINT CHR$(143):TAGOFF:RETURN
3220 ORIGIN 0,0:TAG:MOVE v,w:PRINT CHR$(143):TAGOFF:RETURN
3230 DRAW 0,-15:DRAW 15,-15:DRAW 15,0:DRAW 0,0:RETURN
3310 IF z=1 THEN 3330
3320 DRAW 4,0:PLOT 8,0:DRAW 12,0:PLOT 16,0:DRAW 20,0:RETURN
3330 DRAW 0,-4:PLOT 0,-8:DRAW 0,-12:PLOT 0,-16:DRAW 0,-20:RETURN ELSE DRAW 4,0:PLOT 8,0:DRAW 12,0:PLOT 16,0:DRAW 20,0:RETURN
3410 IF t=1 THEN DRAW 13,13:PLOT 0,13:DRAW 13,0:RETURN ELSE DRAW 0,0*y:PLOT x,0:DRAW x,0*y:PLOT x,10*y:DRAW 2*x,10*y:PLOT 3*x,12*y:D
RAW 16*x,12*y:RETURN
3510 GOTO 3110
3520 ORIGIN 0,0:PLOT v1,w1:DRAW v,w:IF z=1 THEN PLOT v1+1,w1:DRAW v+1,w
3530 IF t=1 OR t=2 THEN a=6:RETURN ELSE GOTO 3
3610 IF z=1 THEN 3630
3620 PLOT 12*x,0:DRAW 0,0:DRAW 6*x,3:DRAW 6*x,-3:DRAW 0,0:PLOT 6*x,-4:PLOT 6*x,4:PLOT 2*x,-1:PLOT 2*x,-2:PLOT 5*x,-4:PLOT 5*x,4:PLOT
3*x,-3:PLOT 3*x,3:PLOT x,1:PLOT x,-1:PLOT 2*x,2:RETURN
3630 PLOT 19,-16*y:DRAW 19,-4*y:DRAW 22,-10*y:DRAW 16,-10*y:DRAW 19,-4*y:PLOT 17,-8*y:DRAW 21,-8*y:RETURN
1710 ORIGIN 0,0:TAG:MOVE v,w:PRINT CHR$(143):IF T=1 THEN GOSUB 3:a=01
3720 TAGOFF:RETURN
3730 ORIGIN 0,0:MOVE v,w
3740 z=FRE("0"):TAG:b$=INKEY$:IF b$="" THEN 3740
3750 IF b$=CHR$(13) THEN 3790
3760 IF b$=CHR$(16) THEN GOSUB 3:N=w+16:GOTO 3790
3770 IF b$=CHR$(127) THEN MOVE(XPOS-8),w:PRINT" ":MOVE(XPOS-8),w:GOTO 3740
3780 PRINT b$:GOTO 3740
3790 GOSUB 2:w=w-16:a=0:TAGOFF:RETURN
3810 IF z=1 THEN 3830
3820 ORIGIN v,w:DRAW 5*x,0:DRAW 7*x,4*y:DRAW 11*x,-4*y:DRAW 15*x,4*y:DRAW 19*x,-4*y:DRAW 23*x,4*y:DRAW 27*x,-4*y:DRAW 29*x,0:DRAW 34
*x,0:RETURN
3830 ORIGIN v,w:DRAW 0,-5*y:DRAW 4*x,-7*y:DRAW-5*x,-11*y:DRAW 4*x,-15*y:DRAW-5*x,-19*y:DRAW 4*x,-23*y:DRAW-5*x,-27*y:DRAW 0,-29*y:DR
AW 0,-34*y:RETURN
3910 IF z=1 THEN 3930
3920 PLOT 8*x,10*y:DRAW 18*x,-10*y:GOTO 3820
3930 PLOT 10*x,-10*y:DRAW-10*x,-22*y:GOTO 3830
4010 IF z=1 THEN 4030
4020 x=1:GOSUB 3630:GOTO 3820
4030 ORIGIN v+(6*x),w+(-14*y):GOSUB 3620:GOTO 3830
4110 IF z=1 THEN PLOT 0,-21*y:DRAW 0,-14*y:PLOT 5,-14*y:DRAW-5,-14*y:PLOT 5,-12*y:DRAW-5,-12*y:GOTO 4250 ELSE PLOT-4*x,0:DRAW 2*x,0:
PLOT 2*x,5:DRAW 2*x,-5:PLOT 3*x,-5:DRAW 3*x,5:PLOT 4*x,5:DRAW 4*x,-5:PLOT 5*x,-5:DRAW 5*x,5:GOTO 4230
4210 IF z=1 THEN 4240
4220 DRAW 6*x,0:PLOT 12*x,9:DRAW 6*x,9:DRAW 6*x,-9:DRAW 12*x,-9
4230 PLOT 9*x,5:DRAW 9*x,-5:PLOT 10*x,-5:DRAW 10*x,5:PLOT 11*x,5:DRAW 11*x,-5:PLOT 12*x,-5:DRAW 12*x,5:PLOT 12*x,0:DRAW 18*x,0:RETUR
N
4240 PLOT-9,-6*y:DRAW-9,-12*y:DRAW 9,-12*y:DRAW 9,-6*y:PLOT 0,-12*y:DRAW 0,-18*y
4250 PLOT 0,0:DRAW 0,-6*y:PLOT-5,-6*y:DRAW 5,-6*y:PLOT-5,-8*y:DRAW 5,-8*y:RETURN
4280 x=1:y=1:IF z=1 THEN 4530
4310 IF z=1 THEN 4340 ELSE PLOT 0,15*y:DRAW 6*x,15*y:PLOT 6*x,26*y:DRAW 60*x,0:DRAW 6*x,-26*y:DRAW 6*x,26*y:PLOT 0,-15*y:DRAW 6*x,-1
5*y:PLOT 60*x,0:DRAW 66*x,0:PLOT 9*x,15*y:DRAW 16*x,15*y
4330 PLOT 9*x,-15*y:DRAW 16*x,-15*y:PLOT 12*x,18*y:DRAW 12*x,11*y:DRAW 13*x,11*y:DRAW 13*x,18*y:RETURN
4340 DRAW 0,-4*y:DRAW 26*x,-56*y:DRAW 15*x,-56*y:DRAW 15*x,-60*y:DRAW 15*x,-56*y:DRAW-15*x,-56*y:DRAW-15*x,-60*y:DRAW-15*x,-56*y:DR
AW-26*x,-56*y:DRAW 0,-4*y:PLOT-15*x,-52*y:DRAW-15*x,-44*y
4350 PLOT 10*x,-40*y:DRAW 12*x,-48*y:PLOT-18*x,-48*y:DRAW-12*x,-48*y:RETURN
4410 IF z=1 THEN PLOT 11,0:DRAW 11,-14*y:PLOT 1,-4*y:DRAW 21,-4*y:PLOT 19,-8*y:PLOT 15,-4*y:DRAW 15,-10*y:PLOT 7,-4*y:D
RAW 7,-10*y:PLOT 3,-4*y:DRAW 3,-8*y:RETURN
4420 PLOT 12,0:DRAW 12,-4*y:PLOT 6,4*y:DRAW 19,-4*y:DRAW 16,-11*y:PLOT 15,-4*y:DRAW 12,-11*y:PLOT 11,-4*y:DRAW 0,-11*y:PLOT 7,-4*y
:DRAW 4,-11*y:RETURN
4510 x=1:y=1
4520 CLS:=0:WINDOW#1,35,45,12,15:CLS#1:INPUT#1,"DIA:1...6: ";DIA:IF DIA=0 THEN a=0:RETURN ELSE IF DIA=1 THEN a=84:RETURN ELSE IF D
IA=2 THEN a=55:RETURN ELSE IF DIA=3 THEN a=96:RETURN ELSE IF DIA=4 THEN a=87:RETURN ELSE 4530
4530 IF DIA=5 THEN a=80:RETURN ELSE IF DIA=6 THEN a=89:RETURN
5110 Y=1:IF x=1 THEN ORIGIN v+150,w:GOSUB 5130:ORIGIN v-68,w+24:GOSUB 2110:ORIGIN v-38,w+24:GOSUB 2110:ORIGIN v-68,w+24:GOSUB 2110:O
RIGIN v-38,w+24:GOTO 2110
5120 ORIGIN v,w+24:GOSUB 2110:ORIGIN v+38,w+24:GOSUB 2110:ORIGIN v+38,w+24:GOSUB 2110:ORIGIN v,w+24:GOSUB 2110
5130 ORIGIN v,w:PLOT 0,26:DRAW 8*x,26:DRAW 8*x,4:DRAW 19*x,4:PLOT 19*x,26:DRAW 70*x,26:PLOT 19*x,-18:DRAW 70*x,-18:PLOT 0,-28:DRAW 2
*x,-28:DRAW 32*x,-22:PLOT 32*x,-14:DRAW 32*x,2:DRAW 48*x,2:RETURN
5210 IF z=1 THEN x=1:IF y=1 THEN ORIGIN v+9,w-5 ELSE ORIGIN v+9,w+6 ELSE 5220
5215 GOSUB 2250:ORIGIN v,w:PLOT 19,4*y:DRAW 19,-4*y:PLOT 16,-2*y:DRAW 22,-2*y:PLOT 19,4*y:GOTO 3630
5220 IF x=1 THEN ORIGIN v-0,w ELSE ORIGIN v+0,w
5230 GOSUB 2050:ORIGIN v,w:PLOT-8*x,0:DRAW 0,0:PLOT-2*x,-4:DRAW-2*x,4:PLOT 0,0:GOTO 3620
5210 IF z=1 THEN 5250
5220 IF x=-1 THEN 5240
5230 GOSUB 2020:GOSUB 3320:ORIGIN v+24,w:GOSUB 3020:ORIGIN v+2,w:DRAW 21,18*y:RETURN

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5740 GOSUB 7020:MOVE 2,0:DRAW 24,1:ORIGIN v+24,w+60SUS 3020:ORIGIN v-2,w+DRAW 7,6*y:PLOT 11,10*y:DRAW 14,12*y:PLOT 18,16*y:DRAW 21,1
5*y:RETURN
5750 IF y=-1 THEN 5070
5760 GOSUB 3020:ORIGIN v+24,w+3:GOSUB 3330:ORIGIN v,w-23:GOSUB 3020:MOVE 2,x,0:DRAW 17*x,18:RETURN
5770 GOSUB 7020:MOVE 2,x,0:DRAW 2,x,-22:ORIGIN v,w-24:GOSUB 3020:ORIGIN v+24,w-24:DRAW 7*x,6:PLOT-10*x,10:DRAW-13*x,12:PLOT-16*x,16
:DRAW-19*x,18:RETURN
5810 IF z=1 THEN PLOT 0,-5*y:DRAW 8*x,-20*y:PLOT 10*x,-17*y:PLOT 12*x,-13*y:PLOT 14*x,-9*y:PLOT 16*x,-5*y:ORIGIN v-24,w-2*y:GOSUB 3
020:ORIGIN v+14*x,w-2*y:GOSUB 3020:ORIGIN v+6*x,w-22*y:GOSUB 3020:RETURN
5820 PLOT-24*x,-2*y:DRAW-20*x,8*y:PLOT-17*x,10*y:PLOT-13*x,12*y:PLOT-9*x,14*y:PLOT-5*x,16*y:ORIGIN v-24,w-2*y:GOSUB 3020:ORIGIN v-24
,x,w-16*y:GOSUB 3020:ORIGIN v-24*x,w+8*y:GOSUB 3020:RETURN
5830 IF z=1 THEN 5530 ELSE PLOT 8,0:DRAW 20,0:PLOT 0,-2*y:DRAW 4,-2*y:PLOT 20,-2*y:DRAW 16,-2*y:PLOT 0,-6*y:DRAW 4,-6*y:PLOT 20,-6*y
:DRAW 16,-6*y:PLOT-4,-8*y:DRAW 4,-8*y:PLOT 24,-8*y:DRAW 16,-8*y:RETURN
5820 GOSUB 5330:GOSUB 5340:DRAW 14,-8:RETURN
5830 PLOT 11*x,-10:DRAW 11*x,10:PLOT 10*x,-10:DRAW 10*x,10:PLOT 9*x,-10:DRAW 9*x,10:PLOT 8*x,-10:DRAW 8*x,10:DRAW 8*x,-6
:PLOT 8*x,10:DRAW 8*x,6
5840 PLOT 5*x,-10:DRAW 5*x,-6:PLOT 5*x,10:DRAW 5*x,6:PLOT 4*x,-10:DRAW 4*x,-6:PLOT 4*x,10:DRAW 4*x,6:PLOT 3*x,-14:DRAW 3*x,-6:PLOT 3
*x,14:DRAW 3*x,6:RETURN
5810 IF z=1 THEN 5630
5820 DRAW 0,-30:DRAW 20*x,-30:DRAW 20*x,0:DRAW 0,0:DRAW 0,-10:DRAW 20*x,-20:RETURN
5830 DRAW 30,0:DRAW 30,-20*y:DRAW 0,-20*y:DRAW 0,0:DRAW 10,0:DRAW 20,-20*y:RETURN
5810 IF z=1 THEN PLOT 10,0:DRAW 10,-6:DRAW 20,-10:DRAW 0,-10:DRAW 10,-22:DRAW 10,-20:RETURN ELSE PLOT 0,-4:DRAW 6,-4:DRAW 11,6:DRAW 20
,-13:DRAW 24,-4:DRAW 30,-4:RETURN
6010 IF z=1 THEN PLOT 10,8*y:DRAW 18,2*y:DRAW 14,2*y:DRAW 12,2*y:DRAW 19,-4*y:GOTO 2120 ELSE FOR i=0 TO 6:PLOT i,x,i:DRAW i,x,-i:PLO
T i,x,i:NEXT i:DRAW-6*x,-6:PLOT-12*x,0:DRAW-6*x,0:PLOT 6*x,0:DRAW 12*x,0:RETURN
6110 IF z=1 THEN GOSUB 6150:ORIGIN v,w+8:GOSUB 6150:ORIGIN v,w-16:GOSUB 6150:ORIGIN v,w-24:GOSUB 6150:ORIGIN v,w-32:GOTO 6150 ELSE G
OSUB 6150:ORIGIN v,w+8:GOSUB 6150:ORIGIN v+16,w+8:GOSUB 6150:ORIGIN v+24,w+8:GOSUB 6150:ORIGIN v+32,w+8:GOTO 6150
6130 PLOT-3,-2*y:DRAW-2,-2*y:PLOT 0,0:DRAW 2,0:PLOT 4,-2*y:PLOT 7,-2*y:PLOT 8,-4*y:DRAW 8,-7*y:DRAW 6,-10*y:PLOT 5,-10*y:PLOT 4,-8*y
:PLOT 3,-7*y:DRAW 3,-4*y:PLOT 0,0:DRAW 10,0:PLOT 12,-2*y:DRAW 13,-2*y:RETURN
6150 PLOT-3*x,0:PLOT-2*x,-3:DRAW-2*x,-2:PLOT 0,0:DRAW 0,2:PLOT-2*x,4:DRAW-2*x,7:PLOT-4*x,8:DRAW-7*x,0:DRAW-10*x,6:DRAW-7*x,4:DRAW-4*
x,4:PLOT 0,0:DRAW 0,10:PLOT-2*x,12:DRAW-2*x,13:RETURN
6210 IF z=1 THEN PLOT 23,-4*y:DRAW 23,-4*y:PLOT 15,0:DRAW 23,0:PLOT 19,0:DRAW 19,6*y:GOTO 2120 ELSE PLOT-12*x,0:DRAW-6*x,0:PLOT-6*x,
-4:DRAW-6*x,4:PLOT-5*x,4:DRAW-5*x,-4:PLOT 6*x,0:DRAW 11*x,0:GOTO 2100
6410 IF z=1 THEN PLOT 7,0:DRAW 7,-7:DRAW 0,-7:DRAW 14,-7:PLOT 12,-10:DRAW 2,-10:DRAW 2,-14:DRAW 12,-10:PLOT 7,-25:DRAW 7
,-19:DRAW 14,-19:DRAW 0,-19:RETURN
6320 PLOT 0,-7:DRAW 7,-7:DRAW 7,0:DRAW 0,0:DRAW 0,-14:DRAW 7,-14:DRAW 7,-7:PLOT 12,-2:DRAW 15,-2:DRAW 15,-12:DRAW 15,-12
:DRAW 12,-12:DRAW 12,-2
6330 PLOT-7,-7:DRAW 20,-7:DRAW 20,0:DRAW 19,0:DRAW 19,-14:DRAW 20,-14:DRAW 20,-7:RETURN
6410 IF z=1 THEN x=1:y=1:GOSUB 6460:x=-1:GOSUB 6460:ORIGIN v,w-4:y=-1:GOSUB 6460:x=1:GOTO 6460 ELSE x=1:y=1:GOSUB 6430:y=-1:
GOSUB 6430:ORIGIN v-4,x=-1:y=-1:GOSUB 6430:y=1:GOTO 6430
6430 PLOT 0,0:DRAW 0,2*y:PLOT 0,6*y:PLOT 0,10*y:PLOT 0,14*y:DRAW 0,10*y:PLOT 4*x,0:DRAW 4*x,10*y:PLOT 5*x,0:DRAW 5*x,10*y
:PLOT 6*x,0:DRAW 6*x,10*y:DRAW 14*x,10*y:PLOT 10*x,14*y:DRAW 10*x,18*y:PLOT 6*x,18*y:PLOT 10*x,14*y
6440 PLOT 10*x,6*y:RETURN
6460 PLOT 0,0:DRAW 2*x,0:PLOT 6*x,0:DRAW 10*x,0:PLOT 14*x,0:DRAW 18*x,0:PLOT 0,4*y:DRAW 10*x,4*y:PLOT 0,6*y:DRAW 10*x,6*y
:DRAW 10*x,14*y:PLOT 14*x,10*y:DRAW 18*x,10*y:DRAW 18*x,6*y:PLOT 4*x,10*y:DRAW 6*x,10*y:RETURN
6510 IF z=1 THEN PLOT 14*x,0:DRAW 4,x,6*y:PLOT 23*x,-3*y:DRAW 34*x,8*y:PLOT 44,x,8*y:DRAW 10*x,8*y:PLOT 4*x,2*y:DRAW 4*x,6*y:DRAW 8*x
,6*y:PLOT 5*x,4*y:PLOT 6*x,5*y:GOTO 6750
6520 PLOT 18*x,4*y:DRAW 28*x,12*y:PLOT 10*x,-4*y:DRAW 28*x,-10*y:DRAW 28*x,-6*y:DRAW 22*x,-12*y:DRAW 28*x,-12*y:PLOT 27*x,-8*y:DRAW
24*x,-12*y:GOTO 6740
6610 IF z=1 THEN PLOT 15*x,-2*y:DRAW 4,x,8*y:PLOT 22*x,-2*y:DRAW 34*x,8*y:PLOT 29*x,10*y:DRAW 29*x,5*y:DRAW 34*x,5*y:DRAW 29*x,10*y
:DRAW 29*x,8*y:DRAW 32*x,5*y:PLOT 30*x,5*y:DRAW 30*x,8*y:GOTO 6750
6620 PLOT 10*x,4*y:DRAW 28*x,15*y:PLOT 10*x,-4*y:DRAW 28*x,-15*y:PLOT 23*x,-15*y:DRAW 23*x,-11*y:DRAW 28*x,-11*y:DRAW 23*x,-15*y:DRA
W 25*x,-11*y:GOTO 6740
6710 IF z=1 THEN 6730
6720 DRAW x,0:PLOT 10*x,6:DRAW 33*x,6:PLOT 10*x,-6:DRAW 33*x,-6:y=1:GOTO 6740
6730 PLOT 12,-2*y:DRAW 12,14*y:PLOT 11,-2*y:DRAW 11,14*y:PLOT 25,-2*y:DRAW 25,14*y:PLOT 24,-2*y:DRAW 24,14*y:x=1:GOTO 6750
6740 PLOT 14*x,0:DRAW 14*x,11*y:DRAW 14*x,-11*y:DRAW 15*x,11*y:DRAW 15*x,-11*y:DRAW 16*x,11*y:DRAW 16*x,-11*y:DRAW 17*x,-11*y:DRAW 1
7*x,11*y:DRAW 18*x,11*y:DRAW 18*x,-11*y:DRAW 18*x,11*y:PLOT 18*x,0:DRAW 0,0:GOTO 2010
6750 PLOT 7*x,0:DRAW 30*x,0:PLOT 7*x,-2*y:DRAW 30*x,-2*y:PLOT 18*x,-2*y:DRAW 18*x,-18*y:PLOT 17*x,-2*y:DRAW 17*x,-18*y:GOTO 2010
7010 and AN
7020 IF z=1 THEN 7040
7030 GOSUB 7650:PLOT-7*x,-7:DRAW-x,-7:PLOT-7*x,-22:DRAW-x,-22:PLOT-x,1:DRAW-x,-20:RETURN
7040 GOSUB 7660:PLOT-7,-7*y:DRAW-7,-y:PLOT-22,-7*y:DRAW-22,-y:PLOT-2,-y:DRAW-27,-y:RETURN
7110 IF z=1 THEN 7130
7120 GOSUB 7030:GOTO 7070
7130 GOSUB 7040:GOTO 7080
7210 IF z=1 THEN 7230
7220 PLOT-5*x,-7:DRAW 2*x,-7:PLOT-5*x,-22:DRAW 2*x,-22:PLOT 0,0:GOSUB 7650:PLOT 0,0:DRAW 5*x,-10:PLOT 6*x,-12:PLOT 6*x,-14:PLOT 0,-2
8:DRAW 5*x,-18:PLOT 6*x,-16:PLOT 6*x,-14:RETURN
7230 PLOT-7,-5*y:DRAW-7,y:PLOT-22,-5*y:DRAW-22,y:PLOT-2,0:GOSUB 7660:PLOT-2,0:DRAW-10,5*y:PLOT-12,6*y:DRAW-16,6*y:PLOT-20,0:DRAW-18,
5*y:RETURN
7310 IF z=1 THEN 7330
7320 GOSUB 7220:GOTO 7070
7330 GOSUB 7230:GOTO 7080
7410 IF z=1 THEN 7430
7420 GOSUB 7220:PLOT-10*x,-6:DRAW-5*x,-6:PLOT-10*x,-22:DRAW-5*x,-22:PLOT-6*x,0:DRAW-x,-10:PLOT 0,-12:PLOT 0,-14:PLOT-6*x,-20:DRAW-x,
-18:PLOT 0,-16:PLOT 0,-14:RETURN
7430 GOSUB 7230:PLOT-7,-10*y:DRAW-7,-5*y:PLOT-22,-10*y:DRAW-22,-5*y:PLOT-2,-6*y:DRAW-10,-2*y:PLOT-12,0:DRAW-16,0:PLOT-20,-6*y:DRAW-1
8,-2*y:RETURN
7510 IF z=1 THEN 7530
7520 GOSUB 7420:GOTO 7070
7530 GOSUB 7430:GOTO 7080
7610 IF z=1 THEN 7630
7620 PLOT-6*x,-12:DRAW 0,-12:PLOT 0,0:DRAW 24*x,-12:DRAW 0,-24:DRAW 0,0:PLOT 24*x,-12:DRAW 30*x,-12:PLOT 24*x,-18:DRAW 26*x,-18:PLOT
24*x,-14:DRAW 26*x,-14:RETURN
7630 PLOT-12,-6*y:DRAW-12,y:PLOT 0,0:DRAW-12,24*y:DRAW-24,y:DRAW 0,0:PLOT-12,24*y:DRAW-12,30*y:PLOT-10,26*y:DRAW-14,26*y:RETURN
7650 DRAW 24*x,0:PLOT 26*x,-2:DRAW 29*x,-4:DRAW 30*x,-6:DRAW 32*x,-10:DRAW 32*x,-12:PLOT 0,-20:DRAW 20*x,-20:PLOT 21*x,-20:DRAW 24*x
,-20:PLOT 26*x,-26:DRAW 29*x,-24:DRAW 30*x,-22:DRAW 32*x,-18:DRAW 32*x,-16:PLOT 32*x,-14:DRAW 42*x,-14:RETURN
7660 PLOT-2,0:DRAW-2,24*y:PLOT-3,26*y:PLOT-4,28*y:PLOT-6,30*y:PLOT-8,32*y:PLOT-11,35*y:DRAW-19,35*y:PLOT-20,0:DRAW-28,24*y:PLOT-27,2
6*y:PLOT-26,28*y:PLOT-24,30*y:PLOT-22,32*y:PLOT-15,34*y:DRAW-15,42*y:RETURN
7670 PLOT 32*x,-16:DRAW 36*x,-16:PLOT 32*x,-12:DRAW 36*x,-12:RETURN
7680 PLOT-17,36*y:DRAW-13,36*y:DRAW-17,38*y:DRAW-13,38*y:RETURN
7710 IF z=1 THEN PLOT 11*x,-10:DRAW 11*x,10:PLOT 10*x,-10:DRAW 10*x,10:PLOT 6*x,-4:DRAW 6*x,4:PLOT 5*x,-4:DRAW 5*x,4:PLOT 4*x,-4:DR
A 4*x,4:RETURN ELSE PLOT 0,0:DRAW 20,0:PLOT 6,4*y:DRAW 14,4*y:PLOT 6,6*y:DRAW 14,6*y:RETURN
7720 PLOT 11*x,-10:DRAW 11*x,10:PLOT 10*x,-10:DRAW 10*x,10:PLOT 6*x,-4:DRAW 6*x,4:PLOT 5*x,-4:DRAW 5*x,4:PLOT 4*x,-4:DR
A 4*x,4:RETU
RN

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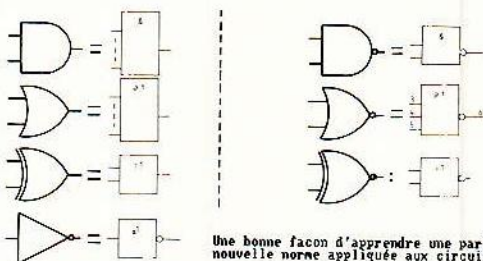
Figure 1


```

7010 'and nn
7020 IF z=1 THEN 7040
7030 GOSUB 7650:MOVE-9*(x=1)+15*(x=-1),-6:TAG:PRINT"&";RETURN
7040 GOSUB 7660:MOVE-16,-18*(y=1)+6*(y=-1):TAG:PRINT"&";RETURN
7110 IF z=1 THEN 7130
7120 GOSUB 7030:GOTO 7670
7130 GOSUB 7040:GOTO 7680
7210 IF z=1 THEN 7230
7220 GOSUB 7650:MOVE-5*(x=1)+19*(x=-1),-6:TAG:PRINT CHR$(251);"1";RETURN
7230 GOSUB 7660:MOVE-20,-18*(y=1)+6*(y=-1):TAG:PRINT CHR$(251);"1";RETURN
7310 IF z=1 THEN 7330
7320 GOSUB 7220:GOTO 7670
7330 GOSUB 7230:GOTO 7680
7410 IF z=1 THEN 7430
7420 GOSUB 7650:MOVE-5*(x=1)+19*(x=-1),-6:TAG:PRINT"1";RETURN
7430 GOSUB 7660:MOVE-20,-18*(y=1)+6*(y=-1):TAG:PRINT"1";RETURN
7510 IF z=1 THEN 7530
7520 GOSUB 7420:GOTO 7670
7530 GOSUB 7430:GOTO 7680
7610 IF z=1 THEN 7630
7620 DRAW 24*x,0:DRAW 24*x,-28:DRAW 0,-28:DRAW 0,-0:PLOT 24*x,-14:DRAW 32*x,-14:PLOT-7*x,-14:DRAW-x,-14:MOVE-5*(x=1)+19*(x=-1),-6:TA
G:PRINT"1";GOTO 7670
7630 DRAW 0,24*y:DRAW-28,24*y:DRAW-28,0:DRAW 0,-0:PLOT-14,24*y:DRAW-14,32*y:PLOT-14,-7*y:DRAW-14,-y:MOVE-20,-18*(y=1)+6*(y=-1):TAG:P
RINT"1";GOTO 7680
7650 DRAW 24*x,0:DRAW 24*x,-28:DRAW 0,-28:DRAW 0,-0:PLOT 24*x,-14:DRAW 32*x,-14:PLOT-7*x,-4:DRAW-x,-4:PLOT-7*x,-24:DRAW-x,-24:PLOT-x
,-14:DRAW-x,-28:RETURN
7660 DRAW 0,24*y:DRAW-28,24*y:DRAW-28,0:DRAW 0,-0:PLOT-14,24*y:DRAW-14,32*y:PLOT-5,-7*y:DRAW-5,-y:PLOT-24,-7*y:DRAW-24,-y:PLOT-2,-y
:DRAW-27,-y:RETURN
7670 PLOT 24*x,-16:DRAW 28*x,-16:PLOT 24*x,-12:DRAW 28*x,-12:RETURN
7680 PLOT-16,24*y:DRAW-12,24*y:DRAW-16,26*y:DRAW-12,26*y:RETURN
7710 IF z=1 THEN PLOT 11*x,-10:DRAW 11*x,10:PLOT 10*x,-10:DRAW 10*x,10:PLOT 6*x,-4:DRAW 6*x,4:PLOT 5*x,-4:DRAW 5*x,4:PLOT 4*x,-4:DR
A 4*x,4:RETURN ELSE PLOT 0,0:DRAW 20,0:PLOT 6,4*y:DRAW 14,4*y:PLOT 6,6*y:DRAW 14,6*y:RETURN
7720 PLOT 11*x,-10:DRAW 11*x,10:PLOT 10*x,-10:DRAW 10*x,10:PLOT 6*x,-4:DRAW 6*x,4:PLOT 5*x,-4:DRAW 5*x,4:PLOT 4*x,-4:DRAW 4*x,4:RETU
RN

```

Figure 2



Une bonne façon d'apprendre une partie de la nouvelle norme appliquée aux circuits logiques!

Figure 3

```

1 REM AC.BAS
10 INK 1,0:INK 0,26:PAPER 1:PEN 0:BORDER 0
20 MODE 0:BORDER 0:PAPER 0:PEN 1:CLS:PEN 15:INK 15,19:PEN 1:LOCATE 1,1:
40 FOR I=1 TO 50:NEXT:TAG:ORIGIN 0,0,54,588,100,280:CLG 2:ORIGIN 0,0,62,588,100,272:CLG 3:INK 1,0:INK 2,6:INK 3,13:INK 6,18:INK 7,19
70 WINDOW#2,10,15,18,15:PRINT:PLOT 0,400,0:FOR I=450 TO 139 STEP-20:CALL &BD19:MOVE 1,206:PRINT" S.I.C.I.P ";NEXT:INPUT#2,as:
80 S=" S.A.O " :I=" I.A.O " :C=" C.I.A.O " :Z=" ZONARD " :P=" PLUS "
90 IF as="S"OR as="I"THEN w=S:ELSE IF as="I"OR as="C"THEN w=I:ELSE IF as="C"OR as="Z"THEN w=C:ELSE IF as="Z"OR as="P"THEN w=P:ELSE
100 PLOT 0,400,11:FOR I=160 TO 207 STEP 2:MOVE 100,1:PRINT w:NEXT:PLOT 0,400,1:MOVE 40,145:PRINT" utilitaire ";PEN 1:TAGOFF:
PRINT:PRINT:PRINT" ";CHR$(164);"1988 ALARY & CAPD":
110 FOR I=1 TO 1000:NEXT:CALL &BFF:CALL &BBA:MODE 2
120 IF w=S:THEN ecrs="VU.SAO":hardB="COPY.SCH":prgs="SCHEMA.SCH"
130 IF w=I:THEN ecrs="COMPO.SAO":hardB="COPY.SCH":prgs="COMPO.SCH"
140 IF w=C:THEN ecrs="CIAO.SAO":hardB="HPCIAO.SCH":prgs="CIAO+EQ.SCH"
150 IF w=P:THEN MODE 2:LOCATE 20,20:PRINT" * ZONARD se charge ....":RUN"ZONARD"
160 IF w=S:THEN MODE 2:LOCATE 20,20:PRINT" PLUS ( MK II) se charge ....":RUN"PLUS
180 REM *** KEY DEF 65,0,0,0,0 ' BREAK interoit
190 MEMORY &AF0:POKE &A50,1:as=0
200 INK 0,1:INK 1,24:BORDER 1:MODE 2:GOSUB 610
210 LOCATE 36,2:PRINT"S.A.O " :LOCATE 36,4:PRINT CHR$(164);"1988"
220 LOCATE 13,9:PRINT"Si vous n'avez pas fait de RESET, il est encore temps "
230 LOCATE 13,15:PRINT CHR$(24);" Possédez-vous une disquette formatee en DATA : (O/N) "
240 LOCATE 30,18:PRINT CHR$(24);"(17 ko par schema)"
250 r="":WHILE r<>"O"AND r<>"N":r=UPPER$(INKEY$):WEND
260 IF r="N"THEN 550
270 CLS
280 LOCATE 8,4:PRINT"OPTIONS PAR DEFALT":LOCATE 8,5:PRINT STRING$(18,"-")
290 LOCATE 6,7:PRINT" (");CHR$(240);" - MONITEUR MONOCHROME"
300 LOCATE 6,9:PRINT" (");CHR$(104);" - 2 LECTEURS DE DISQUETTE (disc system en A) "
310 LOCATE 8,14:PRINT"Utilisez les fleches pour changer les options ":LOCATE 25,16:PRINT"puis ";CHR$(24);" COPY ";CHR$(24);" pour la
ncer le programme "
320 LOCATE 5,24:PRINT CHR$(24);" LE DEUXIEME LECTEUR EST-IL ALLUME ?? Sinon RESET ";SPACE$(11);CHR$(24)
330 GOSUB 460
345 LOAD ecrs,AC000
350 BORDER 2:LOAD"ROUTINES.SCH",M320:BORDER 14
370 LOAD hardB,BAFF4 *** harccopy
380 BORDER 1:
400 IF w=S:OR w=I:THEN CALL &A5E:POKE &CBB,M32:POKE &C81,M3B:POKE &BC52,BA4
410 IF w=C:THEN POKE &A395,0:POKE &A2AA,330
420 IF w=P THEN BORDER 9:IN# 0,1:INK 1,24
430 IF w=1 THEN BORDER 1:INK 0,1:INK 1,0
440 IF w=2 THEN POKE &A525,9 ELSE POKE &A525,1

```

```

452 REM: prog1
460 CALL $B$18
470 IF (INKEY(0)<-1 AND a=0) THEN m=1:LOCATE 21,7:PRINT"COULEUR ":GOTO 520
480 IF (INKEY(0)<-1 AND m=1) THEN a=0:LOCATE 21,7:PRINT"MONOCHROME":GOTO 520
490 IF (INKEY(2)<-1 AND PEEK($A625)=1) THEN POKE $A625,0:LOCATE 12,9:PRINT"1 LECTEUR DE DISQUETTE ":GOTO 520
500 IF (INKEY(2)<-1 AND PEEK($SAFE)=0) THEN POKE $SAFE,1:LOCATE 12,9:PRINT"2 LECTEURS DE DISQUETTE":GOTO 520
510 IF (INKEY(9)<-1) THEN 540
520 IF PEEK($SAFE)=1 THEN LOCATE 5,24:PRINT CHR$(24),"LE DEUXIEME LECTEUR EST-IL ALLUME ?? Sinon RESET !";SPACE$(11);CHR$(24):ELSE
LOCATE 5,24:PRINT SPACE$(71)
530 GOTO 460
540 MODE 2:RETURN
550 MODE 2:LOCATE 19,4:PRINT"POUR PREPARER UNE DISQUETTE AU FORMAT 'DATA'."
560 LOCATE 5,10:PRINT CHR$(24);SPC(26);"INTRODUISEZ LE CP/M";SPC(26);CHR$(24)
570 LOCATE 5,15:PRINT"CPC 464/664 ( CP/M 2.2 ): Il faudra taper 'FORMAT D'."
580 LOCATE 5,18:PRINT"6128 ( CP/M 3.0 ): Utiliser 'DISCKITS.COM' et suivre les instructions."
590 LOCATE 5,22:PRINT CHR$(24);" APPUYEZ SUR UNE TOUCHE POUR LANCER LE CP/M ";CHR$(24);SPC(11);"A tout de suite !"
600 CALL $B$18:CPM
610 SYMBOL 253,96,48,120,12,124,204,110,0:" @ a accentue
620 SYMBOL 254,12,24,60,102,126,96,60,0:" 5 e accent aigu
630 SYMBOL 255,48,24,60,102,126,96,60,0:" 2 e accent grave
640 KEY 141,CHR$(191):KEY DEF 15,0,128,128,141:" 0 OHMS
650 KEY 142,CHR$(190):KEY DEF 11,0,136,136,142:" 0 SYGMA
660 KEY 143,CHR$(184):KEY DEF 5,0,131,131,143:" 3 PI
670 KEY 144,CHR$(183):KEY DEF 10,0,135,135,144:" 7 MICRO
680 KEY 145,CHR$(170):KEY DEF 4,0,134,134,145:" 6 3/4
690 KEY 146,CHR$(169):KEY DEF 13,0,129,129,146:" 1 1/2
700 KEY 147,CHR$(168):KEY DEF 20,0,132,132,147:" 4 1/4
710 KEY 148,CHR$(164):KEY DEF 3,0,137,137,148:" 9 COPYRIGHT
720 KEY 149,"FIGURE No ":KEY DEF 7,0,138,138,149:" POINT message
730 KEY 150,CHR$(253):KEY DEF 26,0,64,124,150:" 0 a accentue
740 KEY 151,CHR$(254):KEY DEF 12,0,133,133,151:" 5 e accent aigu
750 KEY 152,CHR$(255):KEY DEF 14,0,130,130,152:" 2 e accent grave
755 KEY 153,CHR$(251):KEY DEF 9,1,$E0,$E0,153:">=
800 RETURN

```

Figure 4

```

1 REM PLUS.BAS
2 '
3 REM IMAGE = $7820 (7 Ko)
4 REM TAMPON = $9A68 (2 Ko)
5 REM DEBUT = $A268
6 REM FIN = $A624
7 REM LONG = $B38A
8 REM SAVE "PLUS.BIN",B,$A268,$B38A
9 '
10 MEMORY $7820:LOAD "PLUS.BIN",$A268
20 CALL $A268
30 MODE 2:PRINT
40 PRINT "RSX INSTALLEES":PRINT
50 PRINT "ILMG Chargement d'une image et affichage"
60 PRINT "ISNG Sauvegarde d'une image affichee"
70 PRINT
80 PRINT "IREd Reduction ech:2/ech:1 de l'ecran"
90 PRINT "IHOR Inversion horizontale de l'ecran"
100 PRINT "IVER Inversion verticale de l'ecran"
110 PRINT "IVID Inversion video de l'ecran"
120 PRINT
130 PRINT "IE1,n Impression (circuits imprimés)"
140 PRINT "IE2,n Impression de controle ECH.1 (circuits imprimés)"
150 PRINT "ID1,n Impression simple densite"
160 PRINT "ID2,n Impression double densite"
170 PRINT "ID4,n Impression quadruple densite"
180 PRINT " ,n parametre (option) du nombre de passe(s)"
190 PRINT:PRINT " COMMANDES a l'impression:
200 PRINT" shift + P = PAUSE"
210 PRINT" shift + I = REMISE EN MARCHÉ"
220 PRINT" shift + Q = ARRÊT définitif"
230 NEW

```

Figure 5


```

10 MEMORY &A26A:PRINT "PATIENTEZ SVP..."
20 FOR I= &A26B TO &A624 STEP B
30 FOR J=0 TO 7:READ N#:V=VAL("&"+N#)
40 POKE I+J,V:TOT=TOT+V:NEXT J:
50 READ A:IF A=TOT THEN 70
60 PRINT" ERREUR EN ";CP:STOP:
70 TOT=0:CP=CP+10:NEXT I
80 PRINT"SAVE ";CHR$(34);"+PLUS.BIN";
90 PRINT CHR$(34);"+B,&A26B,&A624"
100 DATA 33,2C,20,34,36,37,20,8D, 333
110 DATA 0A,20,38,33,38,2E,44,41, 376
120 DATA 54,33,32,2C,32,43,2C,33, 441
130 DATA 33,2C,33,30,2C,32,43,2C, 399
140 DATA 33,32,2C,34,33,2C,32,43, 409
150 DATA 2C,20,33,39,38,20,8D,0A, 295
160 DATA 20,38,34,38,2E,44,41,54, 451
170 DATA 33,33,2C,33,33,2C,32,43, 409
180 DATA 2C,33,33,2C,33,38,2C,32, 383
190 DATA 43,2C,33,32,2C,34,33,2C, 483
200 DATA 20,34,38,36,20,8D,0A,20, 273
210 DATA 38,35,38,2E,44,41,54,32, 470
220 DATA 43,2C,33,33,2C,33,32,2C, 482
230 DATA 32,43,2C,33,33,2C,33,38, 406
240 DATA 2C,32,43,2C,32,38,2C,20, 379
250 DATA 33,36,34,20,8D,0A,20,38, 380
260 DATA 36,38,2E,44,41,54,33,33, 467
270 DATA 2C,33,38,2C,33,33,2C,32, 391
280 DATA 38,2C,38,44,2C,38,41,2C, 409
290 DATA 32,38,2C,33,32,2C,20,32, 371
300 DATA 39,37,20,8D,0A,20,38,37, 318
310 DATA 38,2E,44,41,54,33,36,2C, 460
320 DATA 33,38,2C,32,45,2C,34,34, 410
330 DATA 35,2C,32,43,2C,33,34,2C, 485
340 DATA 33,34,2C,20,34,31,30,20, 360
350 DATA 0D,0A,20,33,33,38,20,44, 385
360 DATA 41,54,41,20,33,33,2C,32, 444
370 DATA 43,2C,33,32,2C,34,33,2C, 403
380 DATA 32,43,2C,33,33,2C,33,34, 410
390 DATA 2C,32,43,2C,20,34,30,35, 390
400 DATA 20,8D,0A,20,33,34,38,20, 270
410 DATA 44,41,54,41,20,33,33,2C, 460
420 DATA 33,34,2C,32,43,2C,32,38, 406
430 DATA 2C,33,34,2C,33,31,2C,33, 386
440 DATA 38,2C,32,38,2C,28,33,36, 371
450 DATA 38,20,8D,0A,20,33,35,38, 287
460 DATA 20,44,41,54,41,20,38,44, 462
470 DATA 2C,38,41,2C,32,38,2C,33, 394
480 DATA 33,2C,33,33,2C,33,38,2C, 384
490 DATA 32,38,2C,34,34,2C,20,33, 373
500 DATA 30,35,20,8D,0A,20,33,36, 293
510 DATA 38,20,44,41,54,41,20,34, 446
520 DATA 31,2C,35,34,2C,34,31,2C, 387
530 DATA 32,38,2C,33,33,2C,33,35, 392
540 DATA 2C,32,43,2C,33,32,2C,28, 382
550 DATA 34,34,34,20,8D,0A,20,33, 294
560 DATA 37,38,20,44,41,54,41,20, 449
570 DATA 34,33,2C,32,43,2C,33,33, 418
580 DATA 2C,33,32,2C,32,43,2C,33, 401
590 DATA 34,2C,33,33,2C,32,43,2C, 403
600 DATA 20,34,38,33,20,8D,0A,20, 270
610 DATA 33,38,38,20,44,41,54,41, 469
620 DATA 20,33,32,2C,34,33,2C,32, 374
630 DATA 43,2C,33,33,2C,33,33,2C, 403
640 DATA 32,43,2C,33,33,2C,33,34, 418

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650 DATA 2C,20,34,31,38,20,8D,0A, 280
660 DATA 20,33,39,38,20,44,41,54, 437
670 DATA 41,20,32,43,2C,33,32,2C, 483
680 DATA 34,33,2C,32,43,2C,32,30, 486
690 DATA 2C,33,34,2C,33,38,2C,33, 385
700 DATA 35,2C,20,33,39,38,20,8D, 338
710 DATA 0A,20,34,38,38,20,44,41, 355
720 DATA 54,41,20,32,38,2C,38,44, 439
730 DATA 2C,38,41,2C,32,38,2C,33, 394
740 DATA 33,2C,33,34,2C,33,38,2C, 385
750 DATA 32,38,2C,20,32,37,38,20, 359
760 DATA 0D,0A,20,34,31,38,20,44, 384
770 DATA 41,54,41,20,34,34,2C,34, 446
780 DATA 31,2C,35,34,2C,34,31,2C, 387
790 DATA 32,38,2C,33,33,2C,33,33, 398
800 DATA 2C,32,43,2C,28,34,36,38, 391
810 DATA 20,8D,0A,28,34,32,38,20, 269
820 DATA 44,41,54,41,20,33,33,2C, 468
830 DATA 33,34,2C,32,43,2C,33,32, 409
840 DATA 2C,34,33,2C,32,43,2C,33, 483
850 DATA 32,2C,33,38,2C,20,34,38, 369
860 DATA 36,28,8D,0A,20,34,33,38, 292
870 DATA 28,44,41,54,41,20,32,43, 463
880 DATA 2C,33,33,2C,33,34,2C,32, 387
890 DATA 43,2C,33,33,2C,33,31,2C, 401
900 DATA 32,43,2C,33,33,2C,20,33, 398
910 DATA 38,36,28,8D,0A,20,34,34, 381
920 DATA 38,20,44,41,54,41,20,33, 445
930 DATA 38,2C,32,43,2C,33,32,2C, 398
940 DATA 33,38,2C,32,43,2C,32,30, 482
950 DATA 32,43,2C,33,32,2C,33,38, 485
960 DATA 2C,20,34,38,32,20,8D,0A, 281
970 DATA 20,39,35,38,20,44,41,54, 439
980 DATA 41,20,33,32,2C,34,33,2C, 389
990 DATA 32,43,2C,33,33,2C,33,32, 408
1000 DATA 2C,32,43,2C,33,33,2C,33, 482
1010 DATA 30,2C,20,34,38,35,20,8D, 322
1020 DATA 0A,28,39,36,38,20,44,41, 366
1030 DATA 54,41,20,32,43,2C,32,38, 440
1040 DATA 2C,33,34,2C,33,38,2C,33, 385
1050 DATA 32,2C,32,38,2C,38,20,32, 396
1060 DATA 38,41,2C,28,32,38,31,20, 376
1070 DATA 0D,0A,28,39,37,38,20,44, 315
1080 DATA 41,54,41,20,32,38,2C,33, 439
1090 DATA 39,2C,33,35,2C,33,38,2C, 392
1100 DATA 32,38,2C,34,34,2C,34,31, 391
1110 DATA 2C,35,34,2C,20,34,33,39, 385
1120 DATA 20,8D,0A,20,39,38,38,20, 280
1130 DATA 44,41,54,41,20,34,31,2C, 459
1140 DATA 32,38,2C,33,33,2C,33,32, 389
1150 DATA 2C,32,43,2C,33,34,2C,33, 403
1160 DATA 33,2C,32,43,2C,20,33,38, 395
1170 DATA 39,20,8D,0A,28,39,39,38, 386
1180 DATA 20,44,41,54,41,20,33,32, 447
1190 DATA 2C,34,33,2C,32,43,2C,33, 483
1200 DATA 33,2C,33,33,2C,32,43,2C, 482
1210 DATA 33,33,2C,33,32,2C,20,34, 375
1220 DATA 38,38,20,8D,0A,20,31,38, 288
1230 DATA 38,38,20,44,41,54,41,28, 442
1240 DATA 32,43,2C,33,32,2C,34,33, 489
1250 DATA 2C,32,43,2C,33,33,2C,33, 482
1260 DATA 33,2C,32,43,2C,33,33,2C, 482
1270 DATA 20,34,38,32,20,8D,0A,20, 269
1280 DATA 31,38,31,38,20,44,41,54, 443
1290 DATA 41,20,33,38,2C,32,43,2C, 481

```

Figure 6

RSX INSTALLEES

ILMG	Chargement d'une image et affichage
ISMG	Sauvegarde d'une image affichée
IRED	Reduction ech:2/ech:1 de l'écran
IHOR	Inversion horizontale de l'écran
IVER	Inversion verticale de l'écran
IUID	Inversion video de l'écran
IE1,n	Impression (circuits imprimés)
IE2,n	Impression de controle ECH.1 (circuits imprimés)
ID1,n	Impression simple densité
ID2,n	Impression double densité
ID4,n	Impression quadruple densité
,n	parametre (option) du nombre de passe(s)

COMMANDES a l'impression:

shift + P = PAUSE
 shift + I = REMISE EN MARCHÉ
 shift + Q = ARRÊT définitif

Ready
ID2,3

Figure 7

```

1 REM "COPY.DAT"
10 MEMORY &A4F3
20 FOR I= &A4F4 TO &A60A STEP 8:
30 FOR J=0 TO 7:READ N$:V=VAL("&"+N$)
40 POKE I+J,V:TOT=TOT+V:NEXT J:
50 READ A:IF A=tot THEN 70
60 PRINT "ERREUR en";cp:STOP:
70 TOT=0:cp=cp+10:NEXT I
80 PRINT "SAVE ";CHR$(34);"COPY.SCH";
90 PRINT CHR$(34);",B,&A4F4,&0116"
100 DATA FE,01,20,07,7B,FE,00,28, 711
110 DATA 02,10,02,3E,01,32,09,A6, 316
120 DATA 3E,03,32,07,A6,3E,11,32, 417
130 DATA 08,A6,CD,EF,A5,CD,DE,A5, 1375
140 DATA 21,00,CD,22,03,A6,CD,1B, 660
150 DATA BB,FE,51,20,08,3E,64,32, 774
160 DATA 05,A6,C3,EF,A5,FE,50,20, 1136
170 DATA 07,CD,1B,BB,FE,49,20,F9, 1034
180 DATA 3E,0A,CD,FA,A5,3A,09,A6, 925
190 DATA 47,C5,24,03,A6,3E,0D,CD, 759
200 DATA FA,A5,06,02,C5,E5,3E,1B, 938
210 DATA CD,FA,A5,3E,2A,CD,FA,A5, 1344
220 DATA 3E,04,CD,FA,A5,3E,40,CD, 1017

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```

230 DATA FA,A5,3E,01,CD,FA,A5,E1, 1323
240 DATA 3E,2B,32,05,A6,16,80,3E, 535
250 DATA 08,32,06,A6,E5,3A,07,A6, 690
260 DATA 47,0E,00,7E,A2,28,08,37, 476
270 DATA CB,11,37,CB,11,18,06,AF, 700
280 DATA CB,11,AF,CB,11,CD,26,BC, 1046
290 DATA 10,E9,79,CD,FA,A5,AF,CB, 1368
300 DATA 1A,E1,3A,06,A6,3D,FE,00, 796
310 DATA 20,CF,23,3A,05,A6,3D,FE, 810
320 DATA 00,20,BF,C1,10,9E,C1,10, 799
330 DATA 90,2A,03,A6,06,03,CD,26, 607
340 DATA BC,10,FB,3A,07,A6,FE,02, 942
350 DATA 28,31,3E,F7,BC,C2,17,A5, 968
360 DATA 3E,80,8D,28,03,C3,17,A5, 805
370 DATA 3E,02,32,07,A6,3E,0B,32, 410
380 DATA 08,A6,E5,CD,DE,A5,E1,C3, 1415
390 DATA 17,A5,3E,1B,CD,FA,A5,3E, 959
400 DATA 33,CD,FA,A5,3A,0B,A6,CD, 1108
410 DATA FA,A5,C9,3E,1B,CD,FA,A5, 1325
420 DATA 3E,40,CD,FA,A5,C9,CD,2E, 1196
430 DATA BD,38,FB,CD,2B,BD,C9,00, 1134
440 DATA 00,00,00,00,00,00,00,00, 0

```

Figure 8

```

1 REM "IMPC1AD.DAT"
10 MEMORY &A4F3
20 FOR I= &A4F4 TO &A625 STEP 8:
30 FOR J=0 TO 7:READ N$:V=VAL("&"+N$)
40 POKE I+J,V:TOT=TOT+V:NEXT J:
50 READ A:IF A=tot THEN 70
60 PRINT "ERREUR en";cp:STOP:
70 TOT=0:cp=cp+10:NEXT I
80 PRINT "SAVE ";CHR$(34);"IMPC1AO.SCH";
90 PRINT CHR$(34);",B,&A4F4,&0131"
100 DATA FE,01,20,07,7B,FE,00,28, 711
110 DATA 02,10,02,3E,01,32,23,A6, 342
120 DATA 3E,03,32,21,A6,AF,32,24, 575
130 DATA A6,CD,09,A6,CD,FB,A5,21, 1197
140 DATA 00,CD,22,1D,A6,3A,24,A6, 681
150 DATA FE,04,2B,08,3C,32,24,A6, 618
160 DATA 3E,10,18,06,AF,32,24,A6, 535
170 DATA 3E,11,32,22,A6,CD,FB,A5, 947
180 DATA CD,1B,BB,FE,51,20,08,3E, 856
190 DATA 64,32,1F,A6,C3,09,A6,FE, 971
200 DATA 50,20,07,CD,1B,BB,FE,49, 865
210 DATA 20,F9,3E,0A,CD,14,A6,3A, 802
220 DATA 23,A6,47,C5,2A,1D,A6,3E, 768
230 DATA 0D,CD,14,A6,06,02,C5,E5, 838
240 DATA 3E,1B,CD,14,A6,3E,2A,CD, 789

```

```

250 DATA 14,A6,3E,04,CD,14,A6,3E, 705
260 DATA 40,CD,14,A6,3E,01,CD,14, 743
270 DATA A6,E1,3E,28,32,1F,A6,16, 762
280 DATA 00,3E,08,32,20,A6,E5,3A, 733
290 DATA 21,A6,47,0E,00,7E,A2,28, 612
300 DATA 08,37,CB,11,37,CB,11,18, 582
310 DATA 06,AF,CB,11,AF,CB,11,CD, 1001
320 DATA 26,BC,10,E9,79,CD,14,A6, 987
330 DATA AF,CB,1A,00,00,E1,3A,20, 719
340 DATA A6,3D,FE,00,20,CD,23,3A, 811
350 DATA 1F,A6,3D,FE,00,20,BD,C1, 926
360 DATA 10,9C,C1,10,8E,2A,1D,A6, 760
370 DATA 06,03,CD,26,BC,10,FB,3A, 765
380 DATA 21,A6,FE,02,28,2F,3E,F7, 851
390 DATA BC,C2,16,A5,3E,08,BD,28, 988
400 DATA 03,C3,16,A5,3E,02,32,21, 532
410 DATA A6,3E,0B,32,22,A6,22,1D, 552
420 DATA A6,C3,2E,A5,3E,1B,CD,14, 886
430 DATA A6,3E,33,CD,14,A6,3A,22, 762
440 DATA A6,CD,14,A6,C9,3E,1B,CD, 1052
450 DATA 14,A6,3E,40,CD,14,A6,C9, 904
460 DATA CD,2E,BD,38,FB,CD,2B,BD, 1184
470 DATA C9,00,00,00,00,00,00,00, 201
480 DATA 00,00,00,00,00,00,00,00, 0

```

Figure 9