

```

1 '##### >FA
#
2 '### ** >FB
#
3 '### ELECTRON (DSAO) ** >FC
#
4 '### ** >FD
#
5 '### Jean-francois MAIGNE ** >FE
#
6 '### JUILLET 1988 ** >FF
#
7 '##### >FG
#
8 CALL &BB4E >BA
9 INK 0,0:INK 1,26:PEN 1:BORDER 0 >ZF
10 KEY 139,"mode 2:list 10-29999"+C >MH
HR$(13)
11 ON ERROR GOTO 25000 >QB
18 '##### >LJ
#

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19 '*definition fenetres et symbols >LK
#
20 '##### >LB
#
21 DEFINT a-z:MODE 1 >PW
27 'chargement routine ecran >LJ
28 MEMORY &7FFF:LOAD"bankman.bin":C >TB
ALL &8000
29 LOAD"vidage.bin",&A000:CALL &A00 >GN
0
30 WINDOW #2,1,40,1,1:PAPER #2,1:PE >ND
N #2,0:CLS#2
31 WINDOW #1,18,35,3,4:PAPER #1,1:P >HT
EN #1,0
32 SYMBOL AFTER 125 >NJ
33 SYMBOL 125,0,8,8,54,8,8,0,0 >XB
34 SYMBOL 126,32,48,24,12,252,0,0,2 >CH
52
35 SYMBOL 231,0,0,120,252,252,252,1 >CC
20
36 CALL &BB03 >EJ
39 CH1$=CHR$(24):CH2$="":CH3$="":CH >CV

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4$="":CH5$="":GOSUB 2330
43 PLOT 1,1:DRAW 639,1:DRAW 639,375 >YK
:DRAW 1,375:DRAW 1,1
44 USCREENCOPY,3,1 >PB
47 '##### >MA
48 '*deplacement curseur# >MB
49 '##### >MC
50 x=320:y=200:PRINT CHR$(23);CHR$( >RN
1);:GOSUB 580
60 PRINT CHR$(23);CHR$(1);:GOSUB 58 >AA
0: MOVE x,y:TAG:PRINT CHR$(125);:GO
TO 89
70 MOVE x1,y1:TAG:PRINT CHR$(125); >CG
80 MOVE x,y:TAG:PRINT CHR$(125); >BP
89 TAGOFF >PE
90 IF x<=-15 THEN x=-15:x1=x >WP
91 IF x>=640 THEN x=640:x1=x >WH
92 IF y<=0 THEN y=0:y1=y >TW
93 IF y>=410 THEN y=410:y1=y >WD
100 IF INKEY(8)=0 AND INKEY(47)=0 T >GY
HEN GOSUB 580:x=x-4:GOTO 70
110 IF INKEY(8)=0 AND INKEY(9)=0 TH >FV

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EN GOSUB 580:x=x-8:GOTO 70	571 '*****	>TD	897 '*****	>UE
120 IF INKEY(8)=0 AND INKEY(9)=-1 T >GT	580 x1=x:y1=y:RETURN	>RL	898 'gestion des symboles	>UF
HEN GOSUB 580:x=x-1:GOTO 70	590 PRINT CHR\$(23);CHR\$(1);:TAG:MOV	>NE	899 '*****	>UG
130 IF INKEY(1)=0 AND INKEY(47)=0 T >GR	E x,y:PRINT CHR\$(125);:TAGOFF		900 CLS #1	>EG
HEN GOSUB 580:x=x+4:GOTO 70	610 PLOT x+8,y-5,1	>MT	901 IF symb=1 THEN 1000	>QE
140 IF INKEY(1)=0 AND INKEY(9)=0 TH >FN	620 ax=x+8:bx=y-5	>MT	910 IF symb=2 THEN 1100	>QG
EN GOSUB 580:x=x+8:GOTO 70	640 IF INKEY(8)=0 THEN GOSUB 720:ax	>TG	911 IF symb=3 THEN 1200	>QK
150 IF INKEY(1)=0 AND INKEY(9)=-1 T >GL	=ax-1:GOTO 700		912 IF symb=4 THEN dz=0 :GOTO 1300	>AR
HEN GOSUB 580:x=x+1:GOTO 70	650 IF INKEY(1)=0 THEN GOSUB 720:ax	>RG	913 IF symb=5 THEN 1700	>QV
160 IF INKEY(2)=0 AND INKEY(47)=0 T >GA	=ax+1:GOTO 700		914 IF symb=6 THEN 1710	>QY
HEN GOSUB 580:y=y-4:GOTO 70	660 IF INKEY(2)=0 THEN GOSUB 720:bx	>TF	915 IF symb=7 THEN GOTO 1800	>VW
170 IF INKEY(2)=0 AND INKEY(9)=0 TH >FX	=bx-2:GOTO 700		916 IF symb=8 THEN 1850	>QH
EN GOSUB 580:y=y-8:GOTO 70	670 IF INKEY(0)=0 THEN GOSUB 720:bx	>TC	917 IF symb=9 THEN 2501	>QD
180 IF INKEY(2)=0 AND INKEY(9)=-1 T >GW	=bx+2:GOTO 700		918 IF symb=10 THEN 2501	>RN
HEN GOSUB 580:y=y-2:GOTO 70	680 IF INKEY(13)=0 THEN ch1\$=CHR\$(2	>WK	919 IF symb=11 THEN 1860	>RY
190 IF INKEY(0)=0 AND INKEY(47)=0 T >GZ	4):ch2\$="":ch3\$="":ch4\$="":ch5\$="":		920 IF symb=12 THEN 2600	>RH
HEN GOSUB 580:y=y+4:GOTO 70	GOSUB 2330:PRINT CHR\$(23);CHR\$(0);:		921 IF symb=13 THEN 2610	>RL
200 IF INKEY(0)=0 AND INKEY(9)=0 TH >FL	PLOT x+8,y-5:x=ax-8:y=bx+5:DRAW x+		922 IF symb=14 THEN 2650	>RT
EN GOSUB 580:y=y+8:GOTO 70	8,y-5:PRINT CHR\$(23);CHR\$(1);:RETUR		923 IF symb=15 THEN 1000	>RG
209 IF INKEY(66)=0 THEN STOP	N		924 IF symb=16 THEN 1920	>RW
210 IF INKEY(0)=0 AND INKEY(9)=-1 T >GK	685 IF INKEY(14)=0 THEN x=ax-8:y=bx	>EC	925 IF symb=17 THEN 1960	>RC
HEN GOSUB 580:y=y+2:GOTO 70	+5		926 IF symb=18 THEN 3050	>RW
211 IF INKEY(14)=0 THEN ch1\$="":ch2	690 GOTO 640	>AB	927 IF symb=19 THEN 5000	>RV
>ZF	700 PLOT x+8,y-5:DRAW ax,bx	>WW	928 IF symb=20 THEN 4000	>RL
\$=CHR\$(24):ch3\$="":ch4\$="":ch5\$="":	710 PLOT x+8,y-5:DRAW xa,xb:GOTO 64	>EA	929 IF symb=21 THEN 4030	>RR
GOSUB 2330:GOSUB 590:GOSUB 580:GOTO	0		930 IF symb=22 THEN 4021	>RJ
60	720 xa=ax:xb=bx:RETURN	>UM	931 IF symb=23 THEN 5100	>RK
212 IF INKEY(12)=0 THEN CALL &BB03:	724 '*****	>TD	999 '*****	>UH
>JX	725 '*fonction efface*	>TE	1000 '*definition des symboles*	>XD
USCREENCOPY,3,1:CLS #1:INPUT#1, "Te	726 '*****	>TF	1001 '*****	>XE
xte ?",text\$:USCREENCOPY,1,3:TAG:MO	730 MOVE x,y:TAG:PRINT " ";	>WX	1010 '*****resistance*****	>XE
VE x+3,y:PRINT text\$;:TAGOFF	740 IF INKEY(8)=0 THEN x=x-1	>WT	1011 TAG:MOVE x,y:PRINT CHR\$(125);:	>PN
213 IF INKEY(10)=0 THEN X=X+8:Y=Y-5 >CC	750 IF INKEY(8)=0 AND INKEY(9)=0 TH	>LY	TAGOFF:PRINT CHR\$(23);CHR\$(0);	
:PRINT CHR\$(23);CHR\$(0);:PLOT X,Y:P	EN x=x-10		1012 x=x+8:y=y-5	>LN
LOT X+1,Y+1:PLOT X+1,Y-1:PLOT X-1,Y	760 IF INKEY(1)=0 THEN x=x+1	>WK	1020 PRINT #1, "direction ?"	>ZW
+1:PLOT X-1,Y-1:PRINT CHR\$(23);CHR\$	770 IF INKEY(1)=0 AND INKEY(9)=0 TH	>LQ	1030 IF INKEY(0)=0 AND INKEY(8)=-1	>VG
(1);:X=X-8:Y=Y+5	EN x=x+10		AND INKEY(1)=-1 AND INKEY(2)=-1 THE	
400 IF INKEY(5)=0 THEN TAG: MOVE x,	780 IF INKEY(0)=0 THEN y=y+1	>WN	N USCREENCOPY,1,3:PLOT X,Y:DRAW x,y	
>XA	790 IF INKEY(0)=0 AND INKEY(9)=0 TH	>LU	+10:DRAW x+5,y+10:DRAW x+5,y+40:DRA	
y:PRINT CHR\$(125);:TAGOFF:USCREENCO	EN y=y+10		W x-5,y+40:DRAW x-5,y+10:DRAW x,y+1	
PY,3,1:ch1\$="":ch2\$="":ch3\$=CHR\$(24	800 IF INKEY(2)=0 THEN y=y-1	>WK	0:PLOT x,y+40:DRAW x,y+50:rv=1:GOTO	
):ch4\$="":ch5\$="":GOSUB 2330:CALL &	810 IF INKEY(2)=0 AND INKEY(9)=0 TH	>LQ	1040	
BB03:CLS #1:INPUT #1, "Symbol ?",sy	EN y=y-10		1031 IF INKEY(2)=0 AND INKEY(0)=-1	>VB
mb:GOTO 900	820 MOVE x,y	>GB	AND INKEY(8)=-1 AND INKEY(1)=-1 THE	
500 IF INKEY(20)=0 THEN ch1\$="":ch2	830 TAG	>TK	N USCREENCOPY,1,3:PLOT x,y:DRAW x,y	
>VG	840 PRINT CHR\$(143);	>NG	-10:DRAW x+5,y-10:DRAW x+5,y-40:DRA	
\$="":ch3\$="":ch4\$=CHR\$(24):ch5\$="":	850 IF INKEY(13)=0 THEN MOVE x,y:TA	>KT	W x-5,y-40:DRAW x-5,y-10:DRAW x,y-1	
GOSUB 2330:PRINT CHR\$(23);CHR\$(0);:	G:PRINT CHR\$(125);:TAGOFF:CH1\$=CHR\$		0:PLOT x,y-40:DRAW x,y-50:rv=2:GOTO	
GOSUB 730:PRINT CHR\$(23);CHR\$(1);:G	(24):CH2\$="":CH3\$="":CH4\$="":CH5\$="		1040	
OSUB 580:GOTO 70	"":GOSUB 2330:RETURN		1032 IF INKEY(1)=0 AND INKEY(8)=-1	>VL
504 IF INKEY(4)=0 THEN ch1\$="":ch2	855 PLOT x,y,1	>WH	AND INKEY(0)=-1 AND INKEY(2)=-1 THE	
>UC	880 GOTO 730	>AC	N USCREENCOPY,1,3:PLOT x,y:DRAW x+1	
\$="":ch3\$="":ch4\$="":ch5\$=CHR\$(24):				
GOSUB 2330:GOTO 1400				
510 GOTO 100				
569 '*****				
570 '*fonction trace*				

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0,y:DRAW x+10,y+5:DRAW x+40,y+5:DRA
W x+40,y-5:DRAW x+10,y-5:DRAW x+10,
y:PLOT x+40,y:DRAW x+50,y:rv=3:GOTO
1040
1033 IF INKEY(8)=0 AND INKEY(1)=-1 >VF
AND INKEY(0)=-1 AND INKEY(2)=-1 THE
N ÛSCREENCOPY,1,3:PLOT x,y:DRAW x-1
0,y:DRAW x-10,y+5:DRAW x-40,y+5:DRA
W x-40,y-5:DRAW x-10,y-5:DRAW x-10,
y:PLOT x-40,y:DRAW x-50,y:rv=4:GOTO
1040
1034 GOTO 1030 >LK
1035 PLOT x+5,y+25:DRAW x+15,y+25:P >KF
LOT x+5,y+25:DRAW x+9,y+29:PLOT x+5
,y+25:DRAW x+9,y+22:RETURN
1036 PLOT x+5,y-25:DRAW x+15,y-25:P >KU
LOT x+5,y-25:DRAW x+9,y-29:PLOT x+5
,y-25:DRAW x+9,y-21:RETURN
1037 PLOT x+25,y+5:DRAW x+25,y+15:P >MK
LOT x+25,y+5:DRAW x+21,y+10:PLOT x+
25,y+5:DRAW x+28,y+10:RETURN
1038 PLOT x-25,y+5:DRAW x-25,y+15:P >MA
LOT x-25,y+5:DRAW x-21,y+10:PLOT x-
25,y+5:DRAW x-29,y+10:RETURN
1040 IF symb=15 THEN ON rv GOSUB 10 >UT
35,1036,1037,1038
1041 x=x-8:y=y+5:PRINT CHR$(23);CHR >XY
$(1);:CH1$=CHR$(24):CH2$="":CH3$=""
:CH4$="":CH5$="":GOSUB 2330:GOTO 60
1100 '*****condensateur***** >XE
1110 PRINT #1, "direction ?" >ZW
1111 TAG:MOVE x,y:PRINT CHR$(125);: >HV
TAGOFF:PRINT CHR$(23);CHR$(0);:x=x
+8:y=y-5
1120 IF INKEY(0)=0 AND INKEY(8)=-1 >RM
AND INKEY(1)=-1 AND INKEY(2)=-1 THE
N ÛSCREENCOPY,1,3:PLOT X,Y:DRAW x,y
+10:PLOT x-10,y+10:DRAW x+10,y+10:P
LOT x-10,y+15:DRAW x+10,y+15:PLOT x
,y+15:DRAW x,y+25:PLOT x,y+10:GOTO
1199
1130 IF INKEY(2)=0 AND INKEY(8)=-1 >TC
AND INKEY(1)=-1 AND INKEY(0)=-1 THE
N ÛSCREENCOPY,1,3: PLOT X,Y:DRAW x,
y-10:PLOT x-10,y-10:DRAW x+10,y-10:
PLOT x-10,y-16:DRAW x+10,y-16:PLOT
x,y-16:DRAW x,y-26:PLOT x,y-10:GOTO
1199
1140 IF INKEY(1)=0 AND INKEY(8)=-1 >TQ
AND INKEY(0)=-1 AND INKEY(2)=-1 THE
N ÛSCREENCOPY,1,3: PLOT X,Y:DRAW x+
10,y:PLOT x+10,y+10:DRAW x+10,y-10:

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PLOT x+17,y+10:DRAW x+17,y-10:PLOT
x+17,y:DRAW x+27,y:PLOT x+10,y:GOTO
1199
1150 IF INKEY(8)=0 AND INKEY(1)=-1 >RR
AND INKEY(0)=-1 AND INKEY(2)=-1 THE
N ÛSCREENCOPY,1,3:PLOT X,Y:DRAW x-1
0,y:PLOT x-10,y+10:DRAW x-10,y-10:P
LOT x-17,y+10:DRAW x-17,y-10:PLOT x
-17,y:DRAW x-27,y:PLOT x-10,y:GOTO
1199
1160 GOTO 1120 >LK
1199 PRINT CHR$(23);CHR$(1);x=x-8:y >VT
=y+5:CH1$=CHR$(24):CH2$="":CH3$=""
:CH4$="":CH5$="":GOSUB 2330:GOTO 60
1200 TAG:MOVE x,y:PRINT CHR$(125);: >AQ
TAGOFF:x=x+8:y=y-5
1201 PRINT CHR$(23);CHR$(0) >VT
1210 '*****transistor***** >XG
1211 PRINT #1, " NPN (N)" >UH
1212 PRINT #1, " PNP (P)" >UN
1213 IF INKEY(46)=0 THEN ÛSCREENCOP >FH
Y,1,3: PLOT X+54,Y-12:DRAW X+49,Y-1
3:PLOT X+54,Y-12:DRAW X+52,Y-9:GOTO
1220
1214 IF INKEY(27)=0 THEN ÛSCREENCOP >BG
Y,1,3:PLOT X+40,Y-6:DRAW X+45,Y-11:
PLOT X+40,Y-6:DRAW X+47,Y-7:GOTO 12
20
1215 GOTO 1213 >MD
1220 PLOT x,y:DRAW x+40,y >UG
1221 PLOT x+40,y+10:DRAW x+40,y-10 >BW
1222 PLOT x+40,y+6:DRAW x+54,y+12:D >RY
RAW x+54,y+32
1223 PLOT x+40,y-6:DRAW x+54,y-12:D >RF
RAW x+54,y-32
1224 DEG >YA
1226 FOR f=0 TO 360 STEP 6 >RT
1227 PLOT (x+40)+20*COS(f),y+20*SIN >MH
(f):NEXT
1230 PRINT CHR$(23);CHR$(1);:x=x-8: >XL
y=y+5:CH1$=CHR$(24):CH2$="":CH3$=""
:CH4$="":CH5$="":GOSUB 2330:GOTO 60
1300 '*****diode sens indirect d >XG
roite*****
1301 TAG:MOVE x,y:PRINT CHR$(125);: >XY
TAGOFF:PRINT CHR$(23);CHR$(0);:x=x+
8:y=y-5:GOTO 1350
1303 PLOT x,y:DRAW x+20,y >UG
1304 PLOT x+20,y+8:DRAW x+20,y-8:IF >DC
dz=1 THEN DRAW x+25,y-8
1305 PLOT x+20,y:DRAW x+38,y+8 >YU
1306 DRAW x+38,y-8:DRAW x+20,y >YB

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1307 PLOT x+38,y:DRAW x+60,y:IF i=1 >PB
THEN x=x+60
1308 PRINT CHR$(23);CHR$(1);:x=x-8: >XT
y=y+5:CH1$=CHR$(24):CH2$="":CH3$=""
:CH4$="":CH5$="":GOSUB 2330:GOTO 60
1309 '*****diode sens indirect g >YF
auche*****
1310 x=x-60:GOTO 1303 >PQ
1315 '*****diode sens indirect h >YC
aut*****
1320 PLOT x,y:DRAW x,y+20:PLOT x-8, >GD
y+20:DRAW x+8,y+20:DRAW x,y+38:DRAW
x-8,y+20
1321 PLOT x-8,y+38:DRAW x+8,y+38:IF >XL
dz=1 THEN PLOT x-8,y+38:DRAW x-8,y
+33
1322 PLOT x,y+38:DRAW x,y+60:IF i=1 >PA
THEN y=y+60
1323 PRINT CHR$(23);CHR$(1);:x=x-8: >XP
y=y+5:CH1$=CHR$(24):CH2$="":CH3$=""
:CH4$="":CH5$="":GOSUB 2330:GOTO 60
1328 '*****diode sens indirect b >YG
as*****
1329 y=y-60:GOTO 1315 >PG
1330 '*****diode sens direct dro >XK
ite*****
1331 PLOT x,y:DRAW x-20,y >UK
1332 PLOT x-20,y+8:DRAW x-20,y-8:IF >XP
dz=1 THEN PLOT x-20,y+8:DRAW x-25,
y+8
1333 PLOT x-20,y:DRAW x-38,y+8 >YZ
1334 DRAW x-38,y-8:DRAW x-20,y >YG
1335 PLOT x-38,y:DRAW x-60,y:x=x-60 >YH
:IF i=1 THEN x=x+60
1336 PRINT CHR$(23);CHR$(1);:x=x-8: >XU
y=y+5:CH1$=CHR$(24):CH2$="":CH3$=""
:CH4$="":CH5$="":GOSUB 2330:GOTO 60
1337 '*****diode sens direct gau >YG
che*****
1338 x=x-60:GOTO 1330 >PB
1339 '*****diode sens direct hau >YJ
t*****
1340 PLOT x,y:DRAW x,y-20:PLOT x-8, >HH
y-20:DRAW x+8,y-20:DRAW x,y-38:DRAW
x-8,y-20
1341 PLOT x-8,y-38:DRAW x+8,y-38:PL >HR
OT x,y-38:DRAW x,y-60:IF dz=1 THEN
PLOT x+8,y-38:DRAW x+8,y-33
1342 IF i=0 THEN y=y-60 >QE
1344 PRINT CHR$(23);CHR$(1);:x=x-8: >XT
y=y+5:CH1$=CHR$(24):CH2$="":CH3$=""
:CH4$="":CH5$="":GOSUB 2330:GOTO 60

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1348 '*****diode sens direct bas >YJ
*****
1349 y=y-60:GOTO 1340 >PG
1350 PRINT #1,"Direction ?" >YM
1351 IF INKEY(1)=0 AND INKEY(0)=-1 >KF
AND INKEY(2)=-1 AND INKEY(8)=-1 THE
N i=0:GOTO 1361
1352 IF INKEY(8)=0 AND INKEY(0)=-1 >KM
AND INKEY(2)=-1 AND INKEY(1)=-1 THE
N i=1:GOTO 1365
1353 IF INKEY(0)=0 AND INKEY(1)=-1 >KH
AND INKEY(2)=-1 AND INKEY(8)=-1 THE
N i=0:GOTO 1370
1354 IF INKEY(2)=0 AND INKEY(1)=-1 >KQ
AND INKEY(0)=-1 AND INKEY(8)=-1 THE
N i=1:GOTO 1375
1360 GOTO 1351 >MH
1361 PRINT #1,"Sens ?":FOR temp=0 T >QJ
O 1000:NEXT
1362 IF INKEY(1)=0 THEN ùSCREENCOPY >CA
,1,3:x=x+60:GOTO 1330
1363 IF INKEY(8)=0 THEN ùSCREENCOPY >UE
,1,3:GOTO 1303
1364 GOTO 1362 >ND
1365 PRINT #1,"Sens ?":FOR temp=0 T >QH
O 1000:NEXT
1366 IF INKEY(1)=0 THEN ùSCREENCOPY >CH
,1,3:x=x+60:GOTO 1337
1367 IF INKEY(8)=0 THEN ùSCREENCOPY >UQ
,1,3:GOTO 1309
1368 GOTO 1366 >PB
1370 PRINT #1,"Sens ?":FOR temp=0 T >QJ
O 1000:NEXT
1371 IF INKEY(0)=0 THEN ùSCREENCOPY >UY
,1,3:GOTO 1315
1372 IF INKEY(2)=0 THEN ùSCREENCOPY >CP
,1,3:y=y+60:GOTO 1339
1373 GOTO 1371 >ND
1375 PRINT #1,"Sens ?":FOR temp=0 T >QP
O 1000:NEXT
1376 IF INKEY(0)=0 THEN ùSCREENCOPY >UH
,1,3:GOTO 1328
1377 IF INKEY(2)=0 THEN ùSCREENCOPY >CV
,1,3:y=y+60:GOTO 1348
1378 GOTO 1376 >PD
1398 '***** >ZD
1399 '*menu principal* >ZE
1400 '***** >XH
1401 ùSCREENCOPY,3,1 >QK
1410 ùSCREENCOPY,2,1 :h=5:l1=0:hp=1 >FU
0
1420 WINDOW #4,6,24,3,14:PAPER #4,1 >RM

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:PEN #4,0:CLS #4
1421 c1$=CHR$(24):c2$="":c3$="":c4$ >FP
="":c5$="":c6$="":GOSUB 1450
1430 LOCATE #4,1,1:PRINT #4," >YZ
MENU":LOCATE #4,1,2:PRINT #4,"
";
1440 LOCATE #4,1,3:PRINT #4," >LH
";
1441 LOCATE #4,1,11:PRINT #4," >BW
";
1447 ON i1 GOSUB 1450,1460,1470,148 >LT
0,1490,1491
1448 IF i1=6 THEN 1510 >PE
1449 i1=i1+1:GOTO 1447 >QB
1450 LOCATE #4,1,4:PRINT #4:LOCATE >AH
#4,1,5:PRINT #4," ";C1$;"Dessin en
cours ";c1$:RETURN
1460 LOCATE #4,1,6:PRINT #4," ";c2$ >TM
;"Nouveau dessin ";C2$:RETURN
1470 LOCATE #4,1,7:PRINT #4," ";C3$ >NR
;"Lecture ";c3$:RETURN
1480 LOCATE #4,1,8:PRINT #4," ";C4$ >QH
;"Sauvegarde ";c4$:RETURN
1490 LOCATE #4,1,9:PRINT #4," ";C5$ >QZ
;"Impression ";c5$:RETURN
1491 LOCATE #4,1,10:PRINT #4," ";C6 >LE
$;"Help ";c6$:RETURN
1510 IF INKEY(9)=0 THEN 2000 >VX
1520 IF INKEY(2)=0 THEN hp=h:h=h+1 >BD
1521 IF INKEY(2)=0 AND h>10 THEN h= >BD
5
1522 IF INKEY(2)=0 THEN GOTO 1540 >ZU
1530 IF INKEY(0)=0 THEN hp=h:h=h-1 >BE
1531 IF INKEY(0)=0 AND h<5 THEN h= >BP
10
1532 IF INKEY(0)=0 THEN GOTO 1540 >ZT
1533 GOTO 1510 >MG
1540 IF h=5 AND hp=10 THEN c1$=CHR$ >BR
(24):c6$="":GOSUB 1450:GOSUB 1491:G
OTO 1510
1541 IF h=5 AND hp=6 THEN c1$=CHR$( >ZA
24):c2$="":GOSUB 1460:GOSUB 1450:GO
TO 1510
1550 IF h=6 AND hp=5 THEN c1$="":c2 >ZA
$=CHR$(24):GOSUB 1450:GOSUB 1460:GO
TO 1510
1551 IF h=6 AND hp=7 THEN c2$=CHR$( >ZH
24):c3$="":GOSUB 1470:GOSUB 1460:GO
TO 1510
1560 IF h=7 AND hp=6 THEN c2$="":c3 >ZH
$=CHR$(24):GOSUB 1460:GOSUB 1470:GO
TO 1510

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1561 IF h=7 AND hp=8 THEN c3$=CHR$( >AG
24):c4$="":GOSUB 1480:GOSUB 1470:GO
TO 1510
1570 IF h=8 AND hp=7 THEN c3$="":c4 >AG
$=CHR$(24):GOSUB 1470:GOSUB 1480:GO
TO 1510
1571 IF h=8 AND hp=9 THEN c5$="":c4 >AP
$=CHR$(24):GOSUB 1490:GOSUB 1480:GO
TO 1510
1580 IF h=9 AND hp=8 THEN c4$="":c5 >AP
$=CHR$(24):GOSUB 1480:GOSUB 1490:GO
TO 1510
1581 IF h=9 AND hp=10 THEN c6$="":c >BK
5$=CHR$(24):GOSUB 1491:GOSUB 1490:G
OTO 1510
1590 IF h=10 AND hp=9 THEN c5$="":c >BH
6$=CHR$(24):GOSUB 1490:GOSUB 1491:G
OTO 1510
1591 IF h=10 AND hp=5 THEN c1$="":c >BW
6$=CHR$(24):GOSUB 1491:GOSUB 1450:G
OTO 1510
1592 GOTO 1540 >NE
1600 GOTO 1540 >ME
1700 '***** ampli op ***** >YA
1701 TAG:MOVE x,y:PRINT CHR$(125);: >KN
TAGOFF:PRINT CHR$(23);CHR$(0);:x=x+
8:y=y-5:ùSCREENCOPY,1,3
1702 PLOT x,y:DRAW x+20,y >UK
1703 DRAW x+20,y+10:DRAW x+60,y-10: >GW
DRAW x+20,y-30:DRAW x+20,y
1704 PLOT x,y-20:DRAW x+20,y-20 >ZM
1705 PLOT x+60,y-10:DRAW x+80,y-10 >BM
1706 x=x-8:y=y+5:PRINT CHR$(23);CHR >XG
$(1);:CH1$=CHR$(24):CH2$="":CH3$="":
CH4$="":CH5$="":GOSUB 2330:GOTO 60
1710 '***** Diode zener ***** >YB
1720 dz=1 :GOTO 1300 >NT
1799 '***** generateur ***** >ZJ
1800 TAG:MOVE x,y:PRINT CHR$(125);: >KN
TAGOFF:PRINT CHR$(23);CHR$(0);:x=x+
8:y=y-5:ùSCREENCOPY,1,3
1811 PLOT x,y:DRAW x,y+80 >UT
1812 FOR gen=0 TO 360 STEP 4 >UL
1813 DEG >YE
1814 PLOT x+15*COS(gen),(y+40)+15*S >KB
IN(gen)
1815 NEXT gen >PA
1830 x=x-8:y=y+5:PRINT CHR$(23);CHR >XE
$(1);:CH1$=CHR$(24):CH2$="":CH3$="":
CH4$="":CH5$="":GOSUB 2330:GOTO 60
1850 '***** moteurs ***** >YG
1851 TAG:MOVE x,y:PRINT CHR$(125);: >KV

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TAGOFF:PRINT CHR$(23);CHR$(0);:x=x+
8:y=y-5:USCREENCOPY,1,3
1852 PLOT x,y:DRAW x,y+25:PLOT x,y+
55:DRAW x,y+80
1853 FOR mot=0 TO 360 STEP 4
1854 DEG
1855 PLOT x+15*COS(mot),(y+40)+15*S
IN(mot)
1856 NEXT mot
1857 TAG:MOVE x-6,y+45:PRINT "M";:T
AGOFF
1858 x=x-8:y=y+5:PRINT CHR$(23);CHR
$(1);:CH1$=CHR$(24):CH2$="":CH3$="
:CH4$="":CH5$="":GOSUB 2330:GOTO 60
1860 '***** interrupteurs *****
1861 TAG:MOVE x,y:PRINT CHR$(125);:
TAGOFF:PRINT CHR$(23);CHR$(0);:x=x+
8:y=y-5
1862 GOTO 1900
1863 PLOT x,y:DRAW x+20,y:DRAW x+40
,y+10:PLOT x+40,y:DRAW x+60,y:RETUR
N
1864 PLOT x,y:DRAW x,y+20:DRAW x-10
,y+40:PLOT x,y+40:DRAW x,y+60:RETUR
N
1865 x=x-8:y=y+5:PRINT CHR$(23);CHR
$(1);:CH1$=CHR$(24):CH2$="":CH3$="
:CH4$="":CH5$="":GOSUB 2330:GOTO 60
1900 CLS #1:PRINT #1,"Direction ?"
1901 IF INKEY(1)=0 AND INKEY(8)=-1
AND INKEY(0)=-1 AND INKEY(2)=-1 THE
N USCREENCOPY,1,3:GOSUB 1863:GOTO 1
865
1902 IF INKEY(8)=0 AND INKEY(1)=-1
AND INKEY(0)=-1 AND INKEY(2)=-1 THE
N USCREENCOPY,1,3:x=x-60:GOSUB 1863
:x=x+60:GOTO 1865
1903 IF INKEY(0)=0 AND INKEY(8)=-1
AND INKEY(1)=-1 AND INKEY(2)=-1 THE
N USCREENCOPY,1,3:GOSUB 1864:GOTO 1
865
1904 IF INKEY(2)=0 AND INKEY(8)=-1
AND INKEY(1)=-1 AND INKEY(0)=-1 THE
N USCREENCOPY,1,3:y=y-60:GOSUB 1864
:y=y+60:GOTO 1865
1910 GOTO 1901
1920 '***** fusibles *****
1922 TAG:MOVE x,y:PRINT CHR$(125);:
TAGOFF:PRINT CHR$(23);CHR$(0);:x=x+
8:y=y-5
1924 CLS #1:PRINT #1,"Direction ?"
1926 IF INKEY(0)=0 THEN USCREENCOPY

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,1,3:PLOT x,y:DRAW x,y+50:PLOT x+5,
y+10:DRAW x-5,y+10:DRAW x-5,y+40:DR
AW x+5,y+40:DRAW x+5,y+10:GOTO 1950
1928 IF INKEY(2)=0 THEN USCREENCOPY
,1,3:PLOT x,y:DRAW x,y-50:PLOT x+5,
y-10:DRAW x-5,y-10:DRAW x-5,y-40:DR
AW x+5,y-40:DRAW x+5,y-10:GOTO 1950
1930 IF INKEY(1)=0 THEN USCREENCOPY
,1,3:PLOT x,y:DRAW x+50,y:PLOT x+10
,y+5:DRAW x+40,y+5:DRAW x+40,y-5:DR
AW x+10,y-5:DRAW x+10,y+5:GOTO 1950
1932 IF INKEY(8)=0 THEN USCREENCOPY
,1,3:PLOT x,y:DRAW x-50,y:PLOT x-10
,y+5:DRAW x-40,y+5:DRAW x-40,y-5:DR
AW x-10,y-5:DRAW x-10,y+5:GOTO 1950
1949 GOTO 1926
1950 x=x-8:y=y+5:PRINT CHR$(23);CHR
$(1);:CH1$=CHR$(24):CH2$="":CH3$="
:CH4$="":CH5$="":GOSUB 2330:GOTO 60
1960 '***** point de jonction *****
1965 USCREENCOPY,1,3
1970 TAG:MOVE x,y:PRINT CHR$(125);:
TAGOFF:PRINT CHR$(23);CHR$(3);
1971 TAG:MOVE x+3,y+3:PRINT CHR$(23
1);:TAGOFF
1981 PRINT CHR$(23);CHR$(1);:CH1$=C
HR$(24):CH2$="":CH3$="":CH4$="":CH5
$="":GOSUB 2330:GOTO 60
1997 '*****
1998 '*** gestion du menu principal
1999 '*****
2000 IF h=5 THEN 2050
2005 IF h=6 THEN 2100
2010 IF h=7 THEN 2150
2015 IF h=8 THEN 2200
2020 IF h=9 THEN 2250
2025 IF h=10 THEN GOSUB 21000:GOSUB
3000:ch1$=CHR$(24):ch5$="":PEN 1:P
APER 0:GOSUB 2330:GOTO 60
2030 GOTO 2000
2050 MODE 1:GOSUB 3000:USCREENCOPY,
1,3:TAG:MOVE x,y:PRINT CHR$(125);:T
AGOFF:ch1$=CHR$(24):ch5$="":GOSUB 2
330:GOTO 60
2055 END
2100 WINDOW 1,40,17,25:PAPER 1:PEN
0:CLS:LOCATE 1,4:PRINT " Sauvegard
e circuit precedent (O/N)";
2105 IF INKEY(34)=0 THEN CLS:CAT:LO

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CATE 4,25:CALL &BB03:INPUT "Nom du
circuit :",circ$:MODE 1:USCREENCOPY
,1,3:TAG:MOVE x,y:PRINT CHR$(125);:
TAGOFF:SAVE circ$,b,&C000,&4000:MOD
E 1:GOTO 30
2110 IF INKEY(46)=0 THEN WINDOW 1,4
0,1,25:PAPER 0:PEN 1:CLS:USCREENCO
P,3,1:ch1$=CHR$(24):ch5$="":GOSUB
3000:GOSUB 2330:GOTO 30
2120 GOTO 2105
2150 WINDOW 1,40,17,25:PAPER 1:PEN
0:CLS:CAT:LOCATE 4,25:CALL &BB03:IN
PUT "Nom du circuit :",circ$:MODE 1
:LOAD circ$,&C000:GOSUB 3000:ch1$=C
HR$(24):ch5$="":PEN 1:PAPER 0:GOSUB
2330:GOTO 60
2155 END
2200 WINDOW 1,40,17,25:PAPER 1:PEN
0:CLS:CAT
2205 CALL &BB03:LOCATE 4,25:INPUT "
Nom du circuit :",circ$
2206 IF circ$="" THEN 2200
2210 MODE 1:USCREENCOPY,1,3:TAG:MOV
E x,y:PRINT CHR$(125);:TAGOFF:SAVE
circ$,b,&C000,&4000:GOSUB 3000:ch1$
=CHR$(24):ch5$="":PEN 1:PAPER 0:GOS
UB 2330:GOTO 60
2250 USCREENCOPY,1,3:TAG:MOVE x,y:P
RINT CHR$(125);:TAGOFF:USCREENCOPY,
3,1:GOSUB 10000:GOTO 1400
2330 PRINT #2," ";ch1$;" DEPL. ";
ch1$;ch2$;" TRACE ";CH2$;CH3$;" SYM
BOL ";CH3$;CH4$;" EFFACE ";CH4$;CH5
$;" MENU ";CH5$::RETURN
2500 '***** portes logiques *****
2501 '***** portes and,or,nand,nor
*****
2502 TAG:MOVE x,y:PRINT CHR$(125);:
TAGOFF:PRINT CHR$(23);CHR$(0);:x=x+
8:y=y-5:USCREENCOPY,1,3
2503 PLOT x,y:DRAW x+20,y
2504 PLOT x,y-20:DRAW x+20,y-20
2505 PLOT x+20,y-30:DRAW x+20,y+10:
DRAW x+60,y+10:DRAW x+60,y-30
2506 DRAW x+20,y-30:PLOT x+60,y-10:
DRAW x+80,y-10
2507 IF symb=9 THEN TAG:MOVE x+30,y
-3:PRINT "&";:TAGOFF
2508 IF symb=10 THEN TAG:MOVE x+25,
y-3:PRINT CHR$(126);"1";:TAGOFF
2550 x=x-8:y=y+5:PRINT CHR$(23);CHR
$(1);:CH1$=CHR$(24):CH2$="":CH3$="

```

```

:CH4$="":CH5$="":GOSUB 2330:GOTO 60
2600 ÛSCREENCOPY,1,3:PRINT CHR$(23) >FK
:CHR$(0);:TAG:MOVE x+67,y-8:PRINT C
HR$(111);:TAGOFF:ÛSCREENCOPY,3,1:sy
mb=9:GOTO 2501
2610 ÛSCREENCOPY,1,3:PRINT CHR$(23) >HR
:CHR$(0);:TAG:MOVE x+67,y-8:PRINT C
HR$(111);:TAGOFF:ÛSCREENCOPY,3,1:sy
mb=10:GOTO 2501
2650 '***** relais ***** >YF
2652 TAG:MOVE x,y:PRINT CHR$(125);: >KV
TAGOFF:PRINT CHR$(23);CHR$(0);:x=x+
8:y=y-5:ÛSCREENCOPY,1,3
2653 ÛSCREENCOPY,3,1:CLS #1:PRINT#1 >ZY
,"Direction ?"
2654 IF INKEY(0)=0 THEN ÛSCREENCOPY >UH
,1,3:GOTO 2660
2656 IF INKEY(2)=0 THEN y=y-80:ÛSCR >CY
EENCOPY,1,3:GOTO 2660
2657 GOTO 2654 >PE
2660 PLOT x,y:DRAW x,y+20:DRAW x-20 >JV
,y+20:DRAW x-20,y+40:DRAW x+20,y+40
:DRAW x+20,y+20:DRAW x,y+20
2664 PLOT x,y+40:DRAW x,y+60 >WV
2675 x=x-8:y=y+5:PRINT CHR$(23);CHR >XN
$(1);:CH1$=CHR$(24):CH2$="":CH3$=""
:CH4$="":CH5$="":GOSUB 2330:GOTO 60
3000 WINDOW #2,1,40,1,1:PAPER #2,1: >JK
PEN #2,0
3010 WINDOW #1,18,35,3,4:PAPER #1,1 >KQ
:PEN #1,0
3020 RETURN >EJ
3050 '***** transformateur ***** >YA
3053 TAG:MOVE x,y:PRINT CHR$(125);: >KQ
TAGOFF:PRINT CHR$(23);CHR$(0);:x=x+
8:y=y-5:ÛSCREENCOPY,1,3
3056 PLOT x,y:DRAW x,y-30:PLOT x,y- >UV
60:DRAW x,y-90
3059 PLOT x+20,y:DRAW x+20,y-30:PLO >GL
T x+20,y-60:DRAW x+20,y-90
3062 DEG >YC
3065 FOR f=0 TO 360 STEP 4 >RU
3068 PLOT x+15*COS(f),(y-45)+15*SIN >FZ
(f)
3071 PLOT (x+20)+15*COS(f),(y-45)+1 >KX
5*SIN(f)
3074 NEXT >LF
3077 x=x-8:y=y+5:PRINT CHR$(23);CHR >XK
$(1);:CH1$=CHR$(24):CH2$="":CH3$=""
:CH4$="":CH5$="":GOSUB 2330:GOTO 60
4000 '***** bornes avec numero ou l >XG
ettre *****
4003 TAG:MOVE x,y:PRINT CHR$(125);: >GH
TAGOFF:ÛSCREENCOPY,1,3
4004 PRINT CHR$(23);CHR$(3); >WL
4007 CLS #1:PRINT #1,"No suivant (N >HC
)"
4008 PRINT #1,"Autre (A)" >UF
4009 IF INKEY(67)=0 THEN CLS #1:CAL >GD
L &BB03:INPUT #1,"Num/letr :?",ca$:
GOTO 4015
4010 IF INKEY(46)=0 THEN ÛSCREENCOP >HM
Y,1,3:TAG:MOVE x,y+3:PRINT CHR$(111
);:MOVE x-14,y+17:PRINT bo;:TAGOFF:
bo=bo+1:GOTO 4020
4011 GOTO 4009 >MG
4015 ÛSCREENCOPY,1,3:TAG:MOVE x,y+3 >QF
:PRINT CHR$(111);:MOVE x-14,y+17:PR
INT " ";ca$;:TAGOFF:GOTO 4020
4020 PRINT CHR$(23);CHR$(1);:CH1$=C >AF
HR$(24):CH2$="":CH3$="":CH4$="":CH5
$="":GOSUB 2330:GOTO 60
4021 '***** bornes sans numero ***** >XK
#
4022 TAG:MOVE x,y:PRINT CHR$(125);: >GJ
TAGOFF:ÛSCREENCOPY,1,3
4023 PRINT CHR$(23);CHR$(3);:ÛSCREE >RT
NCOPY,1,3:TAG:MOVE x,y+3:PRINT CHR$
(111);:TAGOFF
4024 PRINT CHR$(23);CHR$(1);:CH1$=C >AK
HR$(24):CH2$="":CH3$="":CH4$="":CH5
$="":GOSUB 2330:GOTO 60
4030 '***** LAMPES ***** >XK
4031 CALL &BD19 >UH
4033 TAG:MOVE x,y:PRINT CHR$(125);: >KP
TAGOFF:PRINT CHR$(23);CHR$(0);:x=x+
8:y=y-5:ÛSCREENCOPY,1,3
4036 CLS#1:PRINT #1,"Direction :?" >FY
4039 IF INKEY(0)=0 THEN ÛSCREENCOPY >GA
,1,3:GOSUB 4050:GOTO 4049
4042 IF INKEY(2)=0 THEN ÛSCREENCOPY >BJ
,1,3:y=y-70:GOSUB 4050:y=y+70:GOTO
4049
4045 IF INKEY(1)=0 THEN ÛSCREENCOPY >GZ
,1,3:GOSUB 4060:GOTO 4049
4047 IF INKEY(8)=0 THEN ÛSCREENCOPY >BT
,1,3:x=x-70:GOSUB 4060:x=x+70:GOTO
4049
4048 GOTO 4039 >NK
4049 x=x-8:y=y+5:PRINT CHR$(23);CHR >XK
$(1);:CH1$=CHR$(24):CH2$="":CH3$=""
:CH4$="":CH5$="":GOSUB 2330:GOTO 60
4050 PLOT x,y:DRAW x,y+20:PLOT x,y+ >UD
50:DRAW x,y+70
4051 DEG >YB
4052 FOR f=0 TO 360 STEP 4 >RQ
4053 PLOT x+15*COS(f),(y+35)+15*SIN >FQ
(f)
4054 NEXT f >VF
4055 PLOT x-9,y+24:DRAW x+9,y+46:PL >FF
OT x+9,y+24:DRAW x-7,y+46
4056 RETURN >FJ
4060 PLOT x,y:DRAW x+20,y::PLOT x+5 >VL
0,y:DRAW x+70,y
4061 DEG >YC
4062 FOR f=0 TO 360 STEP 4 >RR
4063 PLOT (x+35)+15*COS(f),y+15*SIN >FR
(f)
4064 NEXT f >VG
4065 PLOT x+24,y-9:DRAW x+46,y+9:PL >FG
OT x+24,y+9:DRAW x+46,y-7
4066 RETURN >FK
5000 '***** fleches de tension ***** >XH
#
5001 TAG:MOVE x,y:PRINT CHR$(125);: >KK
TAGOFF:PRINT CHR$(23);CHR$(0);:x=x+
8:y=y-5:ÛSCREENCOPY,1,3
5002 CLS #1:PRINT #1,"Direction ?" >EB
5003 IF INKEY(2)=0 THEN ÛSCREENCOPY >EU
,1,3:PLOT x,y:DRAW x-4,y+5:PLOT x,y
:DRAW x+4,y+5:GOTO 5010
5004 IF INKEY(0)=0 THEN ÛSCREENCOPY >EX
,1,3:PLOT x,y:DRAW x-4,y-5:PLOT x,y
:DRAW x+4,y-5:GOTO 5010
5005 IF INKEY(8)=0 THEN ÛSCREENCOPY >EC
,1,3:PLOT x,y:DRAW x+5,y-4:PLOT x,y
:DRAW x+5,y+4:GOTO 5010
5006 IF INKEY(1)=0 THEN ÛSCREENCOPY >EA
,1,3:PLOT x,y:DRAW x-5,y-4:PLOT x,y
:DRAW x-5,y+4:GOTO 5010
5007 GOTO 5003 >MH
5010 x=x-8:y=y+5:PRINT CHR$(23);CHR >XY
$(1);:CH1$=CHR$(24):CH2$="":CH3$=""
:CH4$="":CH5$="":GOSUB 2330:GOTO 60
5100 '***** bobine ***** >XJ
5110 TAG:MOVE x,y:PRINT CHR$(125);: >HK
TAGOFF:PRINT CHR$(23);CHR$(0);:x=x+
8:y=y-5
5115 y1=1:x1=x >EJ
5120 PRINT #1,"Direction?" >YX
5123 IF INKEY(0)=0 THEN bob=3:GOTO >FK
5130
5124 IF INKEY(2)=0 THEN bob=2:GOTO >FM
5130
5125 IF INKEY(8)=0 THEN bob=1:GOTO >FU
5130

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5126 IF INKEY(1)=0 THEN bob=0:GOTO 5130	>FL	=x+48:GOTO 5999		21030 MODE 2:LOCATE 30,13:PRINT "(V >JN	
5127 GOTO 5123	>ND	5999 PRINT CHR\$(23);CHR\$(1);:x=x-8:	>KZ	)ideo / (1)primante ?"	
5128 PRINT #1,"Sens?"	>QW	y=y+5:CH1\$=CHR\$(24):ch3\$="":GOSUB 2		21040 IF INKEY(55)=0 THEN i=0:GOTO 21065	>GD
5130 IF bob=1 AND INKEY(2)=0 THEN y=y-8:GOTO 5200	>QT	330:GOTO 60		21050 IF INKEY(35)=0 THEN PRINT #8,CHR\$(27)+"x"+CHR\$(1):c=8:1=0:GOSUB	>ZD
5131 IF bob=1 AND INKEY(0)=0 THEN y=y+8:y=y+48:GOTO 5200	>ZC	6000 GOTO 5130	>MC	21065	
5132 IF bob=0 AND INKEY(2)=0 THEN y=y-8:GOTO 5210	>QV	9131 IF symb=23 THEN 5100	>TC	21060 GOTO 21040	>AJ
5133 IF bob=0 AND INKEY(0)=0 THEN y=y+8:y=y+48:GOTO 5210	>ZE	9997 '*****	>AG	21065 CLS	>FK
5134 IF bob=2 AND INKEY(8)=0 THEN x=x-8:GOTO 5230	>QF	9998 '*** sous programme impressio	>AH	21070 PRINT #1,"	>UY
5135 IF bob=2 AND INKEY(1)=0 THEN x=x+8:x=x+48:GOTO 5230	>ZH	n ***		H E L P :	
5136 IF bob=3 AND INKEY(8)=0 THEN x=x-8:GOTO 5220	>RD	9999 '*****	>AJ	21075 PRINT #i:PRINT #i:PRINT #i	>AZ
5137 IF bob=3 AND INKEY(1)=0 THEN x=x+48:x=x+8:GOTO 5220	>AB	10000 ùSCREENCOPY,4,1:PAPER #2,0:PE	>RV	21080 PRINT #i:PRINT #i,"	>WV
5199 GOTO 5130	>PA	N #2,0:CLS #2		F1 : Fonction deplacement"	
5200 ùSCREENCOPY,1,3:DEG:FOR f=90 TO 270 STEP 5:PLOT x+8*COS(f),y+8*SIN(f):PLOT x+8*COS(f),(y-16)+8*SIN(f):PLOT x+8*COS(f),(y-32)+8*SIN(f):PLOT x+8*COS(f),(y-48)+8*SIN(f):NEXT f:GOTO 5900	>YU	10001 PRINT CHR\$(23);CHR\$(0);	>WH	21090 PRINT #i:PRINT #i,"	>KA
5210 ùSCREENCOPY,1,3:DEG:FOR f=270 TO 450 STEP 5:PLOT x+8*COS(f),y+8*SIN(f):PLOT (x-16)+8*COS(f),y+8*SIN(f):PLOT (x-32)+8*COS(f),y+8*SIN(f):PLOT (x-48)+8*COS(f),y+8*SIN(f):NEXT f:GOTO 5900	>AX	10010 PLOT 1,1:DRAW 639,1:DRAW 639,399:DRAW 1,399:DRAW 1,1:PLOT 1,375:DRAW 639,375	>HX	F2 : Fonction trace"	
5220 ùSCREENCOPY,1,3:DEG:FOR f=0 TO 180 STEP 5:PLOT x+8*COS(f),y+8*SIN(f):PLOT (x-16)+8*COS(f),y+8*SIN(f):PLOT (x-32)+8*COS(f),y+8*SIN(f):PLOT (x-48)+8*COS(f),y+8*SIN(f):NEXT f:GOTO 5900	>VU	10011 PLOT 380,375:DRAW 380,400:PLD T 524,375:DRAW 524,400	>ZC	F3 : Fonction choix de symbo	
5230 ùSCREENCOPY,1,3:DEG:FOR f=180 TO 360 STEP 5:PLOT x+8*COS(f),y+8*SIN(f):PLOT (x-16)+8*COS(f),y+8*SIN(f):PLOT (x-32)+8*COS(f),y+8*SIN(f):PLOT (x-48)+8*COS(f),y+8*SIN(f):NEXT f:GOTO 5900	>AZ	10020 ùSCREENCOPY,3,1	>RX	l (1 à 23)"	
5900 IF bob=1 AND y<>x1+48 THEN y=y-48:GOTO 5999	>QZ	10030 WINDOW #5,10,30,11,14:PAPER #5,1:PEN #5,0:CLS #5:CALL &BB03: INPUT #5,"Nom du dessin ?",nom\$	>LL	21110 PRINT #i:PRINT #i,"	>MG
5910 IF bob=0 AND y<>x1+48 THEN y=y-48:GOTO 5999	>QZ	10040 ùSCREENCOPY,1,3:TAG:MOVE 5,395:PRINT nom\$;:TAGOFF:ùSCREENCOPY,3,1	>CR	F4 : Fonction efface "	
5920 IF bob=2 AND INKEY(8)=0 THEN x=x+48:GOTO 5999	>TY	10050 CLS #5:INPUT #5,"DATE JJ?",JJ\$	>DG	21120 PRINT #i:PRINT #i,"	>ZE
5930 IF bob=3 AND INKEY(8)=0 THEN x=x+48:GOTO 5999	>TA	10051 INPUT #5," MM?",MM\$	>VG	F5 : Fonction insert texte "	
		10052 INPUT #5," AA?",AA\$	>VF	21130 PRINT #i:PRINT #i,"	>VX
		10053 date\$=jj\$+"/"+mm\$+"/"+aa\$	>XV	F6 : Menu principal : - Nouv	
		10054 INPUT #5,"No FOLIO ?",folio\$	>CJ	eau dessin "	
		10058 ùSCREENCOPY,1,3:TAG:MOVE 527,395:PRINT "Folio "+folio\$;:TAGOFF:ùSCREENCOPY,3,1	>YK	21140 PRINT #1,"	>VB
		10059 ùSCREENCOPY,1,3:TAG:MOVE 385,395:PRINT date\$;:TAGOFF:ùSCREENCOPY,3,1	>GB	- Dessin en cou	
		10060 ùSCREENCOPY,1,3	>RB	rs "	
		10061 CLS #5:PRINT #5,"VIDAGE :(P)/(G)":CALL &BB06:IF INKEY(27)=0 THEN ùSCREENCOPY,1,3:ùSCREENCOPY,3,1:ùHCOPY1:ùSCREENCOPY,1,4:ùSCREENCOPY,3,1:PRINT CHR\$(23);CHR\$(2);:GOTO 60	>BD	21150 PRINT #1,"	>PQ
		10082 ùSCREENCOPY,1,3	>RF	- Lecture	
		10083 ùSCREENCOPY,3,1:ùHCOPY2:ùSCREENCOPY,1,4:ùSCREENCOPY,3,1:PRINT CHR\$(23);CHR\$(2);:GOTO 60	>LA	"	
		21000 '*****	>CJ	21160 PRINT #1,"	>RD
		21010 ' H E L P	>CK	- Sauvegarde	
		21020 '*****	>DA	"	
				21170 PRINT #1,"	>TH
				- Impression	
				"	
				21180 PRINT #1,"	>MF
				- Help	
				"	
				21190 IF c=8 THEN i=c:c=0:GOTO 21070	>CF
				0	
				22000 CALL &BB03:CALL &BB06:MODE 1: ùSCREENCOPY,1,3:TAG:MOVE x,y:PRINT CHR\$(125);:TAGOFF:ch1\$=CHR\$(24):ch5\$="":GOSUB 2330:GOSUB 3000:GOTO 60	>PM
				25000 IF DERR=146 THEN ùSCREENCOPY,1,2:GOTO 1410	>TG
				25002 IF DERR<>146 THEN 1410	>VW
				25010 CONT	>QF

```

20000 REM      I M P R I M A N T E
20010 MEMORY &7FFF
20020 FOR i=&A000 TO &A480
20030 READ a$
20040 b$="&" + a$
20050 c=VAL(b$)
20060 POKE i,c
20070 NEXT
20080 DATA 00,00,00,00,00,00,00,00,
00,00,00,00,01,15,A0,21,08,A0,C3,D1
,BC,3E,A0,C3,89,A0,C3,EB,A1,C3,52,A
3,C3,67,A3,C3,7C,A3,C3,87,A3,C3,97,
A3,C3,A7,A3,C3,C5,A3,C3,D9,A3,C3,F7
,A3,C3,15,A4,C3,3D,A4,48,43,4F,50,5
9,B1,48,43,4F,50,59,B2:REM*****
***
20090 DATA 45,50,53,4F,CE,45,50,53,
4F,46,C6,49,4E,49,D4,43,4F,55,52,52
,49,45,D2,50,49,43,C1,45,4C,49,54,C
5,43,4F,4E,44,45,4E,53,C5,44,42,46,
52,41,D0,47,52,41,D3,45,4C,41,52,47
,C9,49,54,41,4C,49,C3,00,CD,8D,A0,C
9,3E,1E,32,07,A0,F5,C5:REM*****
***
20100 DATA D5,E5,DD,E5,FD,E5,CD,28,
BD,21,94,01,22,00,A0,11,00,00,ED,53
,02,A0,11,00,00,ED,53,02,A0,3E,1B,C
D,E0,A1,3E,40,CD,E0,A1,3E,1B,CD,E0,
A1,3E,31,CD,E0,A1,3E,1B,CD,E0,A1,3E

```

```

,2A,CD,E0,A1,3E,05,CD,E0,A1,3E,40,C
D,E0,A1,3E,01,CD,E0,A1:REM*****
***
20110 DATA ED,5B,02,A0,2A,00,A0,22,
04,A0,CD,F0,BB,FE,00,28,05,21,06,A0
,CB,F6,ED,5B,02,A0,2A,04,A0,2B,2B,2
2,04,A0,CD,F0,BB,FE,00,28,05,21,06,
A0,CB,EE,ED,5B,02,A0,2A,04,A0,2B,2B
,22,04,A0,CD,F0,BB,FE,00,28,05,21,0
6,A0,CB,E6,ED,5B,02,A0:REM*****
***
20120 DATA 2A,04,A0,2B,2B,22,04,A0,
CD,F0,BB,FE,00,28,05,21,06,A0,CB,DE
,ED,5B,02,A0,2A,04,A0,2B,2B,22,04,A
0,CD,F0,BB,FE,00,28,05,21,06,A0,CB,
D6,ED,5B,02,A0,2A,04,A0,2B,2B,22,04
,A0,CD,F0,BB,FE,00,28,05,21,06,A0,C
B,CE,ED,5B,02,A0,2A,04:REM*****
***
20130 DATA A0,2B,2B,CD,F0,BB,FE,00,
28,05,21,06,A0,CB,C6,3A,06,A0,CD,E0
,A1,3E,00,32,06,A0,ED,5B,02,A0,13,1
3,ED,53,02,A0,21,80,02,A7,ED,52,7C,
FE,00,C2,DE,A0,7D,FE,00,C2,DE,A0,3E
,0A,CD,E0,A1,2A,00,A0,11,0E,00,A7,E
D,52,22,00,A0,22,04,A0:REM*****
***
20140 DATA 3A,07,A0,3D,32,07,A0,FE,
00,C2,AA,A0,3E,0A,CD,E0,A1,3E,1B,CD
,E0,A1,3E,40,CD,E0,A1,FD,E1,DD,E1,E
1,D1,C1,F1,C9,CD,2E,BD,38,FB,CD,2B,
BD,30,FE,C9,CD,EF,A1,C9,3E,5C,32,07
,A0,F5,C5,D5,E5,DD,E5,FD,E5,CD,28,B
D,11,00,00,ED,53,00,A0:REM*****
***
20150 DATA 21,00,00,22,02,A0,21,00,
00,22,02,A0,3E,1B,CD,E0,A1,3E,40,CD
,E0,A1,3E,1B,CD,E0,A1,3E,31,CD,E0,A
1,3E,1B,CD,E0,A1,3E,2A,CD,E0,A1,3E,
05,CD,E0,A1,3E,00,CD,E0,A1,3E,02,CD
,E0,A1,2A,02,A0,ED,5B,00,A0,ED,53,0
4,A0,CD,F0,BB,FE,00,28:REM*****
***
20160 DATA 05,21,06,A0,CB,F6,2A,02,
A0,ED,5B,04,A0,13,ED,53,04,A0,CD,F0
,BB,FE,00,28,05,21,06,A0,CB,EE,2A,0
2,A0,ED,5B,04,A0,13,ED,53,04,A0,CD,
F0,BB,FE,00,28,05,21,06,A0,CB,E6,2A
,02,A0,ED,5B,04,A0,13,ED,53,04,A0,C
D,F0,BB,FE,00,28,05,21:REM*****
***
20170 DATA 06,A0,CB,DE,2A,02,A0,ED,

```

```

5B,04,A0,13,ED,53,04,A0,CD,F0,BB,FE
,00,28,05,21,06,A0,CB,D6,2A,02,A0,E
D,5B,04,A0,13,ED,53,04,A0,CD,F0,BB,
FE,00,28,05,21,06,A0,CB,CE,2A,02,A0
,ED,5B,04,A0,13,CD,F0,BB,FE,00,28,0
5,21,06,A0,CB,C6,3A,06:REM*****
***
20180 DATA A0,CD,E0,A1,3E,00,32,06,
A0,2A,02,A0,23,22,02,A0,21,90,01,ED
,5B,02,A0,A7,ED,52,7C,FE,00,C2,3F,A
2,7D,FE,00,C2,3F,A2,0E,70,3E,00,CD,
E0,A1,0D,79,FE,00,20,F5,3E,0A,CD,E0
,A1,2A,00,A0,0E,07,23,0D,79,FE,00,2
0,F9,22,00,A0,22,04,A0:REM*****
***
20190 DATA 3A,07,A0,3D,32,07,A0,FE,
00,C2,0C,A2,3E,0A,CD,E0,A1,3E,1B,CD
,E0,A1,3E,40,CD,E0,A1,FD,E1,DD,E1,E
1,D1,C1,F1,C9,3E,CD,32,5A,BB,3E,2B,
32,5B,BB,3E,BD,32,5C,BB,3E,C9,32,5D
,BB,C9,3E,CF,32,5A,BB,3E,FA,32,5B,B
B,3E,93,32,5C,BB,3E,CF:REM*****
***
20200 DATA 32,5D,BB,C9,3E,1B,CD,E0,
A1,3E,40,CD,E0,A1,C9,3E,1B,CD,E0,A1
,3E,78,CD,E0,A1,3E,01,CD,E0,A1,C9,3
E,1B,CD,E0,A1,3E,78,CD,E0,A1,3E,00,
CD,E0,A1,C9,DD,6E,00,7D,FE,00,20,0B
,3E,1B,CD,E0,A1,3E,50,CD,E0,A1,C9,3
E,1B,CD,E0,A1,3E,4D,CD:REM*****
***
20210 DATA E0,A1,C9,DD,6E,00,7D,FE,
00,20,06,3E,12,CD,E0,A1,C9,3E,0F,CD
,E0,A1,C9,DD,6E,00,7D,FE,00,20,0B,3
E,1B,CD,E0,A1,3E,48,CD,E0,A1,C9,3E,
1B,CD,E0,A1,3E,47,CD,E0,A1,C9,DD,6E
,00,7D,FE,00,20,0B,3E,1B,CD,E0,A1,3
E,46,CD,E0,A1,C9,3E,1B:REM*****
***
20220 DATA CD,E0,A1,3E,45,CD,E0,A1,
C9,DD,6E,00,7D,FE,00,20,10,3E,1B,CD
,E0,A1,3E,57,CD,E0,A1,3E,30,CD,E0,A
1,C9,3E,1B,CD,E0,A1,3E,57,CD,E0,A1,
3E,31,CD,E0,A1,C9,DD,6E,00,7D,FE,00
,20,0B,3E,1B,CD,E0,A1,3E,35,CD,E0,A
1,C9,3E,1B,CD,E0,A1,3E:REM*****
***
20230 DATA 34,CD,E0,A1,C9,00,00,00,
00,00,00,00,00,00,00,00,00,00,00,00
,00,00,00,00,00,00,00,00,00,00,00,0
0,00,00,00,00,00,00,00,00,00,00:
REM*****

```