

MUSICA

10 SYMBOL AFTER 47 >MU
20 SYMBOL 48,126,66,70,74,82,98,126 >DK
,0
30 SYMBOL 49,24,8,8,8,8,8,8,0 >WR
40 SYMBOL 50,126,2,2,126,64,64,126, >BD
0
50 SYMBOL 51,126,2,2,30,2,2,126,0 >ZD
60 SYMBOL 52,66,66,66,126,2,2,2,0 >ZE
70 SYMBOL 53,126,64,64,126,2,2,126, >CB
0
80 SYMBOL 54,126,64,64,126,66,66,12 >DC
6,0

90 SYMBOL 55.126.2.2.2.2.2.2.0 >WU
100 SYMBOL 56.126.66.66.126.66.66.1 >EK
26.0
110 SYMBOL 57.126.66.66.126.2.2.126 >BZ

120 SYMBOL 59.32.16.120.12.124.204. >FQ
118.0
130 SYMBOL 64.24.36.102.102.102.102 >FF
,62.0
140 SYMBOL 65.40.108.198.198.238.19 >HD
8.198.0
150 SYMBOL 66.220.198.198.220.198.1 >JF
98.220.0
160 SYMBOL 67.108.198.192.192.192.1 >JP
98.108.0
170 SYMBOL 68.220.198.198.198.198.1 >JA
98.220.0
180 SYMBOL 69.222.192.216.192.192.1 >JW
92.222.0
190 SYMBOL 70.222.192.216.192.192.1 >JV
92.192.0
200 SYMBOL 71.108.198.192.204.198.1 >JD
98.108.0
210 SYMBOL 72.198.198.198.238.198.1 >JP
98.198.0
220 SYMBOL 73.126.24.24.24.24.24.12 >DX
6.0
230 SYMBOL 74.30.12.12.12.204.204.1 >EM
20.0
240 SYMBOL 75.198.204.216.208.216.2 >JX
04.198.0
250 SYMBOL 76.192.192.192.192.192.1 >JB
92.222.0
260 SYMBOL 77.198.108.186.214.198.1 >JF
98.198.0
270 SYMBOL 78.198.102.182.214.218.2 >JB
04.198.0
280 SYMBOL 79.108.198.198.198.198.1 >JQ
98.108.0
290 SYMBOL 80.220.198.198.220.192.1 >JC
92.192.0
300 SYMBOL 81.108.198.198.198.246.2 >JT
18.108.6
310 SYMBOL 82.220.198.198.220.204.1 >JZ
98.194.0
320 SYMBOL 83.108.192.108.6.198.198 >GW
,108.0
330 SYMBOL 84.126.24.24.24.24.24.24 >CN
,0
340 SYMBOL 85.198.198.198.198.198.1 >JU
98.108.0
350 SYMBOL 86.198.198.198.198.198.1 >HQ
08.40.0
360 SYMBOL 87.198.198.198.214.186.1 >JH
08.198.0
370 SYMBOL 88.198.108.40.40.108.198 >GF
,198.0

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380 SYMBOL 89,198,198,198,100,48,56 >FE
,56,0
390 SYMBOL 90,251.6,12,24,48,96,223 >CE
,0
400 SYMBOL 92,8,16,60,102,126,96,60 >CV
,0
410 SYMBOL 96,16,8,60,102,126,96,60 >CA
,0
420 SYMBOL 95,24,36,60,102,126,96,6 >DK
0,0
430 INK 0,1:INK 1,26:INK 2,20:INK 3 >CB
,6
440 BORDER 0:PAPER,0:MODE 1 >VA
450 LOCATE 2,12:PRINT "INSTRUCTIONS >FE
OUI ou NON (O/N) ? ";
460 IF UPPER$(INKEY$)="O" THEN PRIN >WJ
T "Oui":FOR i=1 TO 200:NEXT i:GOTO
490
470 IF UPPER$(INKEY$)="N" THEN PRIN >WJ
T "Non":FOR i=1 TO 200:NEXT i:GOTO
960
480 GOTO 460 >ZJ
490 MODE 1:PEN 2:LOCATE 13,1:PRINT >RY
"-----"
500 LOCATE 12,2:PRINT "<";:PEN 1:PR >TZ
INT" M U S I C A ";:PEN 2:PRINT">"
510 LOCATE 13,3:PRINT "----- >CP

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520 PEN 3:LOCATE 2,7:PRINT "MUSICA" >ZB
::PEN 1:PRINT " est un synth"+CHR$(
92)+"tiseur de 7 octaves qui vou
s permet de cr"+CHR$(92)+"er des mo
rceaux musicaux que vous pouv
ez ensuite les utiliser dans vos
propres programmes (BASIC)."
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530 PRINT:PRINT:PRINT " Vous jouerez >MH
z avec les 2e et 3e rang"+CHR\$(92)+
"es du Clavier."

540 PRINT:PRINT " Les touches num"+ >VG
CHR\$(92)+"riques du Clavier s
ervent de choix de l'ENveloppe de
Volume ("::PEN 2:PRINT " 0=sans
ENV "::PEN 1:PRINT ")."

550 PRINT:PRINT " M"+CHR\$(95)+"mes >CW
remarques pour les ENveloppes de T
on mais en utilisant le pav"+CHR\$(9
2)+" num"+CHR\$(92)+"rique"


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560 GOSUB 940 >JD
570 CLS:PEN 3:LOCATE 11,4:PRINT "°C >TG
LR$":PEN 1:PRINT " = Volume -1"
580 PEN 3:LOCATE 11,6:PRINT "°DEL$ >MR
::PEN 1:PRINT " = Volume +1"
590 PEN 3:LOCATE 11,8:PRINT " °-$ >KC
::PEN 1:PRINT " = Octave -1"
600 PEN 3:LOCATE 11,10:PRINT " °^$ >MN
::PEN 1:PRINT " = Octave +1"
610 PEN 3:LOCATE 11,12:PRINT " °<$ >ZF
::PEN 1:PRINT " = Dur"+CHR$(92)+"e
-1"
620 PEN 3:LOCATE 11,14:PRINT " °>$ >FF
::PEN 1:PRINT " = Dur"+CHR$(92)+"e
+1":PEN 3:LOCATE 6,16:PRINT " °E
SPACE$":PEN 1:PRINT " = Blanc"
630 GOSUB 940 >JB
640 CLS:PEN 2:LOCATE 15,2:PRINT "EN >QY
RIGISTRER"
650 PEN 3:LOCATE 2,10:PRINT "°Z$": >VF
PEN 1:PRINT " ...permet d'enregistr
er les notes que vous avez jou
"+CHR$(92)+"es avec leurs ENVs.
ENTS, Dur"+CHR$(92)+"es et Volum
es.":PEN 2:PRINT " Un grand E se
dessine si l'enregist- -tremment
a lieu"
660 GOSUB 940 >JE
670 CLS:PEN 2:LOCATE 17,2:PRINT "EC >KV
OUTER"
680 PEN 3:LOCATE 2,10:PRINT "°B$": >AU
PEN 1:PRINT " ...permet d'"+CHR$(92
)+"couter les notes que vous av
ez enregistr"+CHR$(92)+"es ou charg
"+CHR$(92)+"es."
690 GOSUB 940 >JH
700 CLS:PEN 2:LOCATE 15,2:PRINT "IN >QB
ITIALISER"
710 PEN 3:LOCATE 2,10:PRINT "°X$": >TR
PEN 1:PRINT " ...permet de recommen
cer a z"+CHR$(92)+"ro le mo
rceau musical."
720 GOSUB 940 >JB
730 CLS:PEN 2:LOCATE 17,2:PRINT "SA >JK
UVER"
740 PEN 3:LOCATE 2,7:PRINT "°V$": >ZF
PEN 1:PRINT " ...permet de sauver le
s notes que vous avez enregistr
"+CHR$(92)+"es."
750 PRINT:PRINT " Ces notes peuve >UL
nt "+CHR$(95)+"tre sauv"+CHR$(92)+"
es sous 2 formes : "
760 PEN 2:PRINT:PRINT " ASCII:":PEN >JF
1:PRINT " fichier (suivi de .MUS)
qui peut "+CHR$(95)+"tre recharg
"+CHR$(92)+" et trait"+CHR$(92)+" pa
r MUSICA. "

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770 PEN 2:PRINT:PRINT" BASIC:":PEN >AL
1:PRINT " fichier intraitable par
MUSICA mais peut "+CHR$(95)+"tr
e utilis"+CHR$(92)+" "+CHR$(59)+" p
artir du BASIC."
780 GOSUB 940 >JH
790 CLS:PEN 2:LOCATE 17,2:PRINT "CH >KU
ARGER"
800 PEN 3:LOCATE 2,10:PRINT "°C$";: >FM
PEN 1:PRINT " ...permet de recharge
r les notes que vous avez pr"
+CHR$(92)+"alablement sauv"+CHR$(92
)+"es."
810 PRINT:PRINT" Vous pouvez, ap >ZB
r"+CHR$(96)+"s le chargement,
d'ajouter d'autres notes et de les
sauver.
820 GOSUB 940 >JC
830 CLS:PEN 2:LOCATE 17,2:PRINT "SO >JA
RTIR"
840 PEN 3:LOCATE 2,10:PRINT "°M$";: >HC
PEN 1:PRINT " ...permet de quitter
sous BASIC ou CP/M"
850 GOSUB 940 >JF
860 CLS:PEN 2:LOCATE 13,1:PRINT "-- >NJ
-----"
870 LOCATE 12,2:PRINT "<";:PEN 1:PR >TK
INT" M U S I C A ":PEN 2:PRINT">"
880 LOCATE 13,3:PRINT "----- >CA
_"
890 PEN 1:LOCATE 2,7:PRINT " Voil"+ >MJ
CHR$(59)+" ! c'est tout. J'esp"+CHR
$(96)+"re que vous avez tout not"
+CHR$(92)+". "
900 PEN 3:PRINT:PRINT" NOTA:":PEN >BN
1:PRINT " Vous pouvez modifier les
ENVs et ENTs du programme ":PEN
2:PRINT:PRINT" Lignes 960 "+CHR
$(59)+" 1130 et 3070 "+CHR$(59)+" 3
240"
910 PEN 1:PRINT:PRINT" Et le nombr >ZE
e de notes utilisables ":PEN 2:PRI
NT:PRINT" Ligne 1580 ( mais atte
ntion "+CHR$(59)+" la m"+CHR
$(92)+"moire de votre AMSTRAD ! )";
920 PEN 3:LOCATE 2,23:PRINT "...<ES >TK
PACE> POUR DEMARRER MUSICA !..."
930 IF INKEY$<>" " THEN 930 ELSE GO >FJ
TO 960
940 LOCATE 21,25:PEN 3:PRINT "BARRE >UJ
D'ESPACE --->"
950 IF INKEY$=" " THEN RETURN ELSE >KZ
GOTO 950
960 ENV 1,10,-15,0.5,3,5,12,15,-1,1 >AK
0
970 ENV 2,15,1,1,15,10,15,1,-1,12 >YJ

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980 ENV 3,20,15,1,5,-10,40,5,13,15 >ZA
990 ENV 4,10,2,15,10,-1,2,30,3,5 >XG
1000 ENV 5,10,1,5,15,-1,1 >QG
1010 ENV 6,15,3,1,1,-1,15 >RD
1020 ENV 7,5,-30,1,15,-10,20,5,1,10 >ZP

1030 ENV 8,1,3,15,13,-1,15 >RR
1040 ENV 9,15,35,1.5,8,-10,5,1,5,1 >ZX
1050 ENT 1,2,-15,0.5,5,-15,10,1,-1, >AU
5
1060 ENT 2,15,-20,15,5,-15,10 >VK
1070 ENT 3,1,3,10,15,1,1,50,-1,30 >YT
1080 ENT 4,10,-2,15,10,-1,5 >TE
1090 ENT 5,1,15,1,1,15,10,6,-5,1 >XZ
1100 ENT 6,1,12,1,15,-10,1 >RB
1110 ENT 7,1,30,1,50,5,10,5,-15,20 >ZE
1120 ENT 8,30,-1,8,13,4,5,10,-1,1 >YX
1130 ENT 9,1,-50,1,15,1,15,20,-15,5 >ZA

1140 INK 0,1:INK 1,26:INK 2,0:INK 3 >VA
,6:BORDER 0:MODE 1
1150 PLOT 0,336,1:DRAW 639,336:PLOT >CH
0,256:DRAW 639,256:PLOT 480,399:DR
AW 480,0
1160 PLOT 0,344:DRAW 280,344:DRAW 2 >EG
80,399:PLOT 288,399:DRAW 288,336:DR
AW 280,344
1170 PLOT 296,399:DRAW 296,344:DRAW >WB
344,344:DRAW 344,399:PLOT 296,344:
DRAW 288,336:PLOT 344,344:DRAW 352,
336:DRAW 352,399
1180 PLOT 360,399:DRAW 360,344:DRAW >YX
472,344:DRAW 472,399:PLOT 360,344:
DRAW 352,336:PLOT 472,344:DRAW 480,
336
1190 PLOT 488,399:DRAW 488,344:DRAW >QC
639,344:PLOT 488,344:DRAW 480,336
1200 PLOT 639,328:DRAW 488,328:DRAW >ZB
488,264:DRAW 639,264:PLOT 488,328:
DRAW 480,336:PLOT 488,264:DRAW 480,
256
1210 PLOT 0,248:DRAW 480,248:PLOT 0 >WD
,104:DRAW 480,104:PLOT 0,96:DRAW 48
0,96
1220 PLOT 0,88:DRAW 216,88:DRAW 216 >VX
,0:PLOT 232,0:DRAW 232,88:DRAW 472,
88:DRAW 472,0:PLOT 216,88:DRAW 224,
96:DRAW 224,0:PLOT 224,96:DRAW 232,
88:PLOT 472,88:DRAW 480,96:PLOT 232
,56:DRAW 472,56
1230 PLOT 639,248:DRAW 488,248:DRAW >WF
488,216:DRAW 639,216:PLOT 488,248:
DRAW 480,256:PLOT 488,216:DRAW 480,
208:DRAW 639,208
1240 PLOT 639,200:DRAW 488,200:DRAW >MW
488,0:PLOT 488,200:DRAW 480,208
1250 FOR t=0 TO 480:PLOT x,104,1:DR >CL

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AW x,248,1:x=x+1:NEXT t
1260 x=30:FOR t=1 TO 12:PLOT x,104, >JQ
2:DRAW x,248,2:x=x+40:NEXT t
1270 x=20:GOSUB 1280:x=60:GOSUB 128 >UX
0:x=140:GOSUB 1280:x=180:GOSUB 1280
:x=220:GOSUB 1280:x=300:GOSUB 1280:
x=340:GOSUB 1280:x=420:GOSUB 1280:x
=460:GOSUB 1280:GOTO 1290
1280 FOR i=1 TO 20:PLOT x,160,2:DRA >LC
W x,248,2:x=x+1:NEXT i:RETURN
1290 y=152:yy=192:x=512:GOSUB 1440: >RC
x=524:GOSUB 1440:x=572:GOSUB 1440:x
=600:GOSUB 1440
1300 y=160:x=532:GOSUB 1440:x=544:G >MH
OSUB 1440
1310 yy=184:x=580:GOSUB 1440 >WJ
1320 yy=168:x=552:GOSUB 1440:x=544: >GT
GOSUB 1440:x=564:GOSUB 1440:x=592:G
OSUB 1440
1330 y=176:yy=184:x=552:GOSUB 1440: >RY
x=544:GOSUB 1440:x=564:GOSUB 1440:x
=592:GOSUB 1440
1340 x=500:GOSUB 1480:x=512:GOSUB 1 >FP
480
1350 FOR i=0 TO 3:PLOT 564+i,168:DR >KE
AW 552+i,176:PLOT 620+i,152:DRAW 60
0+i,192:NEXT i
1360 y=152:x=536:GOSUB 1470:x=556:G >HJ
OSUB 1470:x=584:GOSUB 1470
1370 y=184:x=564:GOSUB 1470:x=592:G >MM
OSUB 1470
1380 y=152:x=540:GOSUB 1460:x=560:G >HB
OSUB 1460:x=588:GOSUB 1460
1390 y=184:x=552:GOSUB 1460:x=580:G >MF
OSUB 1460
1400 y=152:x=536:GOSUB 1450:x=556:G >GF
OSUB 1450:x=584:GOSUB 1450
1410 y=188:x=556:GOSUB 1450:x=584:G >MJ
OSUB 1450
1420 y=166:x=604:GOSUB 1450 >VR
1430 GOTO 1490 >MK
1440 FOR i=1 TO 4:PLOT x,y,1:DRAW x >FE
,yy:x=x+1:NEXT i:RETURN
1450 FOR i=1 TO 8:PLOT x,y:DRAW x,y >DY
+4:x=x+1:NEXT i:RETURN
1460 FOR i=1 TO 4:PLOT x,y:DRAW x+4 >GB
,y+8:x=x+1:NEXT i:RETURN
1470 FOR i=1 TO 4:PLOT x,y:DRAW x-4 >GE
,y+8:x=x+1:NEXT i:RETURN
1480 FOR i=1 TO 4:PLOT x,152:DRAW x >JP
+12,192:x=x+1:NEXT i:RETURN
1490 PEN 3:LOCATE 32,6:PRINT"C";:PE >AA
N 1:PRINT":CHARGER"
1500 PEN 3:LOCATE 32,8:PRINT"V";:PE >ZY
N 1:PRINT":SAUVER"
1510 PEN 3:LOCATE 32,11:PRINT"B";:P >BU
EN 1:PRINT":ECOUTER"

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1520 PEN 3:LOCATE 1,21:PRINT"Z";:PE >GX
N 1:PRINT":ENRIGISTRER"
1530 PEN 3:LOCATE 1,23:PRINT"X";:PE >GE
N 1:PRINT":INITIALISER"
1540 PEN 3:LOCATE 1,25:PRINT"M";:PE >ZB
N 1:PRINT":SORTIR"
1550 LOCATE 16,23:PRINT"NOTE":LOCAT >GW
E 16,24:PRINT"ACTUELLE"
1560 PEN 1:LOCATE 35,17:PRINT "PAR" >CF
::LOCATE 32,19:PRINT "CHIEU";:LOCAT
E 32,20:PRINT "HANMAING";:LOCATE 32
,22:PRINT "COPYRIGHT";:LOCATE 32,24
:PRINT CHR$(164)+" 03/1988";
1570 GOSUB 1580:GOTO 1610 >TJ
1580 notej=0:notel=500:DIM note$(no >TL
tel),duree(notel),volu(notel),envo(
notel),ento(notel):envo=0:ento=0:oc
ta=5:volu=10:duree=20:enri=0
1590 LOCATE 1,1:PEN 3:PRINT " 0";:P >QZ
EN 1:PRINT " NOTES JOUEES";:LOCAT
E 1,3:PEN 3:PRINT notel::PEN 1:PRIN
T "NOTES LIBRES";:LOCATE 24,1:PRINT
"V:";:PEN 3:PRINT " 0";
1600 LOCATE 24,3:PEN 1:PRINT "T:";: >JT
PEN 3:PRINT " 0";:LOCATE 32,1:PEN 1
:PRINT "OCT:";:PEN 3:PRINT " 3";:LO
DATE 32,3:PEN 1:PRINT "VOL:";:PEN 3
:PRINT " 8";:LOCATE 16,21:PEN 1:PRI
NT "DUREE:";:PEN 3:PRINT " 20";:RET
URN
1610 PEN 3 >FK
1620 IF INKEY(69)=0 THEN GOSUB 2170 >EJ
:IF enri=1 THEN GOSUB 2640
1630 IF INKEY(47)=0 THEN GOSUB 2590 >EM
:IF enri=1 THEN GOSUB 2640
1640 IF INKEY(59)=0 THEN GOSUB 2190 >EM
:IF enri=1 THEN GOSUB 2640
1650 IF INKEY(60)=0 THEN GOSUB 2210 >EX
:IF enri=1 THEN GOSUB 2640
1660 IF INKEY(58)=0 THEN GOSUB 2230 >EH
:IF enri=1 THEN GOSUB 2640
1670 IF INKEY(61)=0 THEN GOSUB 2250 >EE
:IF enri=1 THEN GOSUB 2640
1680 IF INKEY(53)=0 THEN GOSUB 2270 >EJ
:IF enri=1 THEN GOSUB 2640
1690 IF INKEY(51)=0 THEN GOSUB 2290 >EK
:IF enri=1 THEN GOSUB 2640
1700 IF INKEY(52)=0 THEN GOSUB 2310 >EV
:IF enri=1 THEN GOSUB 2640
1710 IF INKEY(43)=0 THEN GOSUB 2330 >EY
:IF enri=1 THEN GOSUB 2640
1720 IF INKEY(44)=0 THEN GOSUB 2350 >EC
:IF enri=1 THEN GOSUB 2640
1730 IF INKEY(42)=0 THEN GOSUB 2370 >ED
:IF enri=1 THEN GOSUB 2640
1740 IF INKEY(45)=0 THEN GOSUB 2390 >EK
:IF enri=1 THEN GOSUB 2640

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1750 IF INKEY(37)=0 THEN GOSUB 2410 >EE
:IF enri=1 THEN GOSUB 2640
1760 IF INKEY(34)=0 THEN GOSUB 2430 >EE
:IF enri=1 THEN GOSUB 2640
1770 IF INKEY(36)=0 THEN GOSUB 2450 >EK
:IF enri=1 THEN GOSUB 2640
1780 IF INKEY(27)=0 THEN GOSUB 2470 >EN
:IF enri=1 THEN GOSUB 2640
1790 IF INKEY(29)=0 THEN GOSUB 2490 >EU
:IF enri=1 THEN GOSUB 2640
1800 IF INKEY(28)=0 THEN GOSUB 2510 >EB
:IF enri=1 THEN GOSUB 2640
1810 IF INKEY(26)=0 THEN GOSUB 2530 >EC
:IF enri=1 THEN GOSUB 2640
1820 IF INKEY(19)=0 THEN GOSUB 2550 >EH
:IF enri=1 THEN GOSUB 2640
1830 IF INKEY(17)=0 THEN GOSUB 2570 >EJ
:IF enri=1 THEN GOSUB 2640
1840 IF INKEY(64)=0 THEN envo=1:LOC >HA
ATE 26,1:PEN 3:PRINT envo;
1850 IF INKEY(65)=0 THEN envo=2:LOC >HD
ATE 26,1:PEN 3:PRINT envo;
1860 IF INKEY(57)=0 THEN envo=3:LOC >HG
ATE 26,1:PEN 3:PRINT envo;
1870 IF INKEY(56)=0 THEN envo=4:LOC >HH
ATE 26,1:PEN 3:PRINT envo;
1880 IF INKEY(49)=0 THEN envo=5:LOC >HM
ATE 26,1:PEN 3:PRINT envo;
1890 IF INKEY(48)=0 THEN envo=6:LOC >HN
ATE 26,1:PEN 3:PRINT envo;
1900 IF INKEY(41)=0 THEN envo=7:LOC >GG
ATE 26,1:PEN 3:PRINT envo;
1910 IF INKEY(40)=0 THEN envo=8:LOC >GH
ATE 26,1:PEN 3:PRINT envo;
1920 IF INKEY(33)=0 THEN envo=9:LOC >HD
ATE 26,1:PEN 3:PRINT envo;
1930 IF INKEY(32)=0 THEN envo=0:LOC >GC
ATE 26,1:PEN 3:PRINT envo;
1940 IF INKEY(13)=0 THEN ento=1:LOC >GB
ATE 26,3:PEN 3:PRINT ento;
1950 IF INKEY(14)=0 THEN ento=2:LOC >GE
ATE 26,3:PEN 3:PRINT ento;
1960 IF INKEY(5)=0 THEN ento=3:LOCA >FC
TE 26,3:PEN 3:PRINT ento;
1970 IF INKEY(20)=0 THEN ento=4:LOC >GF
ATE 26,3:PEN 3:PRINT ento;
1980 IF INKEY(12)=0 THEN ento=5:LOC >HA
ATE 26,3:PEN 3:PRINT ento;
1990 IF INKEY(4)=0 THEN ento=6:LOCA >FH
TE 26,3:PEN 3:PRINT ento;
2000 IF INKEY(10)=0 THEN ento=7:LOC >GR
ATE 26,3:PEN 3:PRINT ento;
2010 IF INKEY(11)=0 THEN ento=8:LOC >GV
ATE 26,3:PEN 3:PRINT ento;
2020 IF INKEY(3)=0 THEN ento=9:LOCA >FU
TE 26,3:PEN 3:PRINT ento;
2030 IF INKEY(15)=0 THEN ento=0:LOC >GT
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ATE 26,3:PEN 3:PRINT ento;
2040 IF INKEY(24)=0 THEN octa=octa+ >VP
1:IF octa>6 THEN octa=6 ELSE LOCATE
36,1:PRINT octa-2;
2050 IF INKEY(25)=0 THEN octa=octa- >VD
1:IF octa<0 THEN octa=0 ELSE LOCATE
36,1:PRINT octa-2;
2060 IF INKEY(79)=0 THEN volu=volu+ >ZD
1:IF volu>15 THEN volu=15 ELSE LOCA
TE 36,3:PRINT volu-2;
2070 IF INKEY(16)=0 THEN volu=volu- >XQ
1:IF volu<3 THEN volu=3 ELSE LOCATE
36,3:PRINT volu-2;
2080 IF INKEY(31)=0 THEN duree=duree >HU
e+1:IF duree>100 THEN duree=100 ELS
E LOCATE 22,21:PRINT duree;
2090 IF INKEY(39)=0 THEN duree=duree >CV
e-1:IF duree<1 THEN duree=1 ELSE LO
CATE 22,21:PRINT duree;
2100 IF INKEY(71)=0 THEN enri=enri+ >EA
1:IF enri=2 OR notej=notel THEN enr
i=0:en=0:GOSUB 2670 ELSE en=3:GOSUB
2670
2110 IF INKEY(54)=0 THEN GOSUB 2700 >BB
2120 IF INKEY(63)=0 THEN ERASE note >QY
$,duree,volu,envo,ento:en=0:GOSUB 2
670:GOTO 1570
2130 IF INKEY(55)=0 THEN GOSUB 2770 >BM
2140 IF INKEY(62)=0 THEN GOSUB 3350 >BF
2150 IF INKEY(38)=0 THEN PEN 3:LOCA >EC
TE.2,6:PRINT "SORTIR";:GOSUB 3310:G
OTO 3540
2160 GOTO 1610 >ME
2170 IF octa=0 THEN son$="3822" ELS >AR
E IF octa=1 THEN son$="1911" ELSE I
F octa=2 THEN son$="956 " ELSE IF o
cta=3 THEN son$="478 " ELSE IF octa
=4 THEN son$="239 " ELSE IF octa=5
THEN son$="119 " ELSE son$="60 "
2180 GOSUB 2600:GOSUB 2630:LOCATE 2 >GY
5,23:PRINT "DO ";:RETURN
2190 IF octa=0 THEN son$="3608" ELS >AW
E IF octa=1 THEN son$="1804" ELSE I
F octa=2 THEN son$="902 " ELSE IF o
cta=3 THEN son$="451 " ELSE IF octa
=4 THEN son$="225 " ELSE IF octa=5
THEN son$="113 " ELSE son$="56 "
2200 GOSUB 2600:GOSUB 2630:LOCATE 2 >GU
5,23:PRINT "DO# ";:RETURN
2210 IF octa=0 THEN son$="3405" ELS >AG
E IF octa=1 THEN son$="1703" ELSE I
F octa=2 THEN son$="851 " ELSE IF o
cta=3 THEN son$="426 " ELSE IF octa
=4 THEN son$="213 " ELSE IF octa=5

```



```
THEN son$="106 " ELSE son$="53 "
2220 GOSUB 2600:GOSUB 2630:LOCATE 2 >GX
5,23:PRINT "RE ";:RETURN
2230 IF octa=0 THEN son$="3214" ELS >ZX
E IF octa=1 THEN son$="1607" ELSE I
F octa=2 THEN son$="804 " ELSE IF o
cta=3 THEN son$="402 " ELSE IF octa
=4 THEN son$="201 " ELSE IF octa=5
THEN son$="100 " ELSE son$="50 "
2240 GOSUB 2600:GOSUB 2630:LOCATE 2 >GV
5,23:PRINT "Mib ";:RETURN
2250 IF octa=0 THEN son$="3034" ELS >AZ
E IF octa=1 THEN son$="1517" ELSE I
F octa=2 THEN son$="758 " ELSE IF o
cta=3 THEN son$="379 " ELSE IF octa
=4 THEN son$="190 " ELSE IF octa=5
THEN son$="95 " ELSE son$="47 "
2260 GOSUB 2600:GOSUB 2630:LOCATE 2 >GA
5,23:PRINT "MI ";:RETURN
2270 IF octa=0 THEN son$="2863" ELS >AF
E IF octa=1 THEN son$="1432" ELSE I
F octa=2 THEN son$="716 " ELSE IF o
cta=3 THEN son$="358 " ELSE IF octa
=4 THEN son$="179 " ELSE IF octa=5
THEN son$="89 " ELSE son$="45 "
2280 GOSUB 2600:GOSUB 2630:LOCATE 2 >GL
5,23:PRINT "FA ";:RETURN
2290 IF octa=0 THEN son$="2703" ELS >AU
E IF octa=1 THEN son$="1351" ELSE I
F octa=2 THEN son$="676 " ELSE IF o
cta=3 THEN son$="338 " ELSE IF octa
=4 THEN son$="169 " ELSE IF octa=5
THEN son$="84 " ELSE son$="42 "
2300 GOSUB 2600:GOSUB 2630:LOCATE 2 >GG
5,23:PRINT "FA# ";:RETURN
2310 IF octa=0 THEN son$="2551" ELS >AH
E IF octa=1 THEN son$="1276" ELSE I
F octa=2 THEN son$="638 " ELSE IF o
cta=3 THEN son$="319 " ELSE IF octa
=4 THEN son$="159 " ELSE IF octa=5
THEN son$="80 " ELSE son$="40 "
2320 GOSUB 2600:GOSUB 2630:LOCATE 2 >GH
5,23:PRINT "SOL ";:RETURN
2330 IF octa=0 THEN son$="2408" ELS >ZT
E IF octa=1 THEN son$="1204" ELSE I
F octa=2 THEN son$="602 " ELSE IF o
cta=3 THEN son$="301 " ELSE IF octa
=4 THEN son$="150 " ELSE IF octa=5
THEN son$="75 " ELSE son$="38 "
2340 GOSUB 2600:GOSUB 2630:LOCATE 2 >GN
5,23:PRINT "SOL#";:RETURN
2350 IF octa=0 THEN son$="2273" ELS >AH
E IF octa=1 THEN son$="1136" ELSE I
F octa=2 THEN son$="568 " ELSE IF o
cta=3 THEN son$="284 " ELSE IF octa
=4 THEN son$="142 " ELSE IF octa=5
THEN son$="71 " ELSE son$="36 "
```

```
2360 GOSUB 2600:GOSUB 2630:LOCATE 2 >GR
5,23:PRINT "LA ";:RETURN
2370 IF octa=0 THEN son$="2145" ELSE >AJ
E IF octa=1 THEN son$="1073" ELSE I
F octa=2 THEN son$="536 " ELSE IF o
cta=3 THEN son$="268 " ELSE IF octa
=4 THEN son$="134 " ELSE IF octa=5
THEN son$="67 " ELSE son$="34 "
2380 GOSUB 2600:GOSUB 2630:LOCATE 2 >GG
5,23:PRINT "Sib ";:RETURN
2390 IF octa=0 THEN son$="2025" ELSE >ZV
E IF octa=1 THEN son$="1012" ELSE I
F octa=2 THEN son$="506 " ELSE IF o
cta=3 THEN son$="253 " ELSE IF octa
=4 THEN son$="127 " ELSE IF octa=5
THEN son$="63 " ELSE son$="32 "
2400 GOSUB 2600:GOSUB 2630:LOCATE 2 >GC
5,23:PRINT "SI ";:RETURN
2410 IF octa=0 THEN son$="1911" ELSE >ZJ
E IF octa=1 THEN son$="956 " ELSE I
F octa=2 THEN son$="478 " ELSE IF o
cta=3 THEN son$="239 " ELSE IF octa
=4 THEN son$="119 " ELSE IF octa=5
THEN son$="60 " ELSE son$="30 "
2420 GOSUB 2600:GOSUB 2630:LOCATE 2 >GV
5,23:PRINT "DO ";:RETURN
2430 IF octa=0 THEN son$="1804" ELSE >ZJ
E IF octa=1 THEN son$="902 " ELSE I
F octa=2 THEN son$="451 " ELSE IF o
cta=3 THEN son$="225 " ELSE IF octa
=4 THEN son$="113 " ELSE IF octa=5
THEN son$="56 " ELSE son$="28 "
2440 GOSUB 2600:GOSUB 2630:LOCATE 2 >GA
5,23:PRINT "DO# ";:RETURN
2450 IF octa=0 THEN son$="1703" ELSE >ZJ
E IF octa=1 THEN son$="851 " ELSE I
F octa=2 THEN son$="426 " ELSE IF o
cta=3 THEN son$="213 " ELSE IF octa
=4 THEN son$="106 " ELSE IF octa=5
THEN son$="53 " ELSE son$="27 "
2460 GOSUB 2600:GOSUB 2630:LOCATE 2 >GD
5,23:PRINT "RE ";:RETURN
2470 IF octa=0 THEN son$="1607" ELSE >ZQ
E IF octa=1 THEN son$="804 " ELSE I
F octa=2 THEN son$="402 " ELSE IF o
cta=3 THEN son$="201 " ELSE IF octa
=4 THEN son$="100 " ELSE IF octa=5
THEN son$="50 " ELSE son$="25 "
2480 GOSUB 2600:GOSUB 2630:LOCATE 2 >GB
5,23:PRINT "Mib ";:RETURN
2490 IF octa=0 THEN son$="1517" ELSE >ZA
E IF octa=1 THEN son$="758 " ELSE I
F octa=2 THEN son$="379 " ELSE IF o
cta=3 THEN son$="190 " ELSE IF octa
=4 THEN son$="95 " ELSE IF octa=5
THEN son$="47 " ELSE son$="24 "
2500 GOSUB 2600:GOSUB 2630:LOCATE 2 >GX
```



```

5,23:PRINT "MI ";;RETURN
2510 IF octa=0 THEN son$="1432" ELS >ZK
E IF octa=1 THEN son$="716 " ELSE I
F octa=2 THEN son$="358 " ELSE IF o
cta=3 THEN son$="179 " ELSE IF octa
=4 THEN son$="89 " ELSE IF octa=5
THEN son$="45 " ELSE son$="22 "
2520 GOSUB 2600:GOSUB 2630:LOCATE 2 >GH
5,23:PRINT "FA ";;RETURN
2530 IF octa=0 THEN son$="1351" ELS >ZC
E IF octa=1 THEN son$="638 " ELSE I
F octa=2 THEN son$="338 " ELSE IF o
cta=3 THEN son$="169 " ELSE IF octa
=4 THEN son$="84 " ELSE IF octa=5
THEN son$="42 " ELSE son$="21 "
2540 GOSUB 2600:GOSUB 2630:LOCATE 2 >GN
5,23:PRINT "FA# ";;RETURN
2550 IF octa=0 THEN son$="1276" ELS >ZR
E IF octa=1 THEN son$="602 " ELSE I
F octa=2 THEN son$="319 " ELSE IF o
cta=3 THEN son$="159 " ELSE IF octa
=4 THEN son$="80 " ELSE IF octa=5
THEN son$="40 " ELSE son$="20 "
2560 GOSUB 2600:GOSUB 2630:LOCATE 2 >GP
5,23:PRINT "SOL ";;RETURN
2570 IF octa=0 THEN son$="1204" ELS >ZX
E IF octa=1 THEN son$="568 " ELSE I
F octa=2 THEN son$="301 " ELSE IF o
cta=3 THEN son$="150 " ELSE IF octa
=4 THEN son$="75 " ELSE IF octa=5
THEN son$="38 " ELSE son$="19 "
2580 GOSUB 2600:GOSUB 2630:LOCATE 2 >GV
5,23:PRINT "SOL#";:RETURN
2590 son$="0 ":GOSUB 2600:GOSUB 2 >XM
630:LOCATE 25,23:PRINT "BLAN";:RETU
RN
2600 son=VAL(son$) >NF
2610 IF son=0 THEN SOUND 4,0,duree, >ND
0,envo,ento:SOUND 1,0,duree,0,envo,
ento:SOUND 2,0,duree,0,envo,ento:RE
TURN
2620 SOUND 4,son,duree,volu,envo,en >KR
to:SOUND 1,son-1,duree,volu-2,envo,
ento:SOUND 2,son+1,duree,volu-1,env
o,ento:RETURN
2630 LOCATE 25,24:PRINT son$;:RETUR >FZ
N
2640 notej=notej+1:IF notej=notel+1 >PB
THEN notej=notej-1:GOTO 2680
2650 note$(notej)=son$:duree(notej) >QE
=duree:volu(notej)=volu:envo(notej)
=envo:ento(notej)=ento
2660 LOCATE 1,1:PRINT notej;;LOCATE >TW
1,3:PRINT notel-notej;;RETURN
2670 PLOT 304,392,en:DRAW 336,392:D >JR
RAW 336,380:DRAW 332,388:DRAW 312,3
88:DRAW 312,374:DRAW 328,372:DRAW 3

```



```

12,370: DRAW 312,356: DRAW 332,356: DR
AW 336,364: DRAW 336,352: DRAW 304,35
2: DRAW 308,356: DRAW 308,388: DRAW 30
4,392: RETURN
2680 PEN 1: LOCATE 2,6: PRINT "Plus d >YD
e place, mec !"; CHR$(7);: LOCATE 2,8
: PRINT "Appuye sur 'Z$": WHILE INKEY
(71)<>0: WEND: GOSUB 2690: en=0: GOSUB
2670: enri=0: GOTO 1610
2690 FOR t=6 TO 8: LOCATE 2,t: PRINT >FA
SPACE$(29): NEXT t: RETURN
2700 IF notej=0 THEN PEN 1: LOCATE 2 >KU
,6: PRINT "J'peux pas !";: LOCATE 2,8
: PRINT "Aucune note en m"+CHR$(92)+
"moire !";: FOR t=1 TO 2000: NEXT t: G
OSUB 2690: GOTO 1610
2710 LOCATE 2,6: PRINT "ECOUTER";: GO >ZU
SUB 3310: GOSUB 2690
2720 PEN 1: LOCATE 2,6: PRINT "Attent >JH
ion les oreilles !";
2730 FOR t=1 TO notej >PV
2740 son$=note$(t): duree=duree(t): v >FJ
olu=volu(t): envo=envo(t): ento=ento(
t)
2750 GOSUB 2600: NEXT t: GOSUB 2690 >AF
2760 RETURN >FJ
2770 IF notej=0 THEN PEN 1: LOCATE 2 >GD
,6: PRINT "J'peux pas !";: LOCATE 2,8
: PRINT "Aucune note en m"+CHR$(92)+
"moire !";: FOR x=1 TO 2000: NEXT x: G
OSUB 2690: RETURN
2780 LOCATE 2,6: PRINT "SAUVER";: GOS >YA
UB 3310: GOSUB 2690
2790 PEN 1: LOCATE 2,6: PRINT "Nom du >RV
fichier:";: LOCATE 2,7: PRINT "(8 ca
r. maxi.)";
2800 LOCATE 2,8: INPUT "", nom$ >XF
2810 IF nom$="" THEN GOSUB 2690: RET >FX
URN
2820 IF LEN(nom$)>8 THEN PRINT CHR$ >ET
(7);: GOSUB 2690: GOTO 2790
2830 GOSUB 2690: PEN 1: LOCATE 2,6: PR >MG
INT "ASCII ou BASIC ? (A/B)"; \
2840 IF INKEY(54)=0 THEN PRINT " Ba >TY
sic": GOTO 3000
2850 IF INKEY(69)=0 THEN PRINT " As >TD
cii": GOTO 2870
2860 GOTO 2840 >NH
2870 LOCATE 2,6: PRINT "Sauvegarde e >YZ
n cours...";
2880 nom$=nom$+".MUS" >QT
2890 OPENOUT "!" + nom$ >PA
2900 PRINT #9, notej >NC
2910 FOR t=1 TO notej >PV
2920 PRINT #9, note$(t) >QU
2930 PRINT #9, duree(t) >RQ
2940 PRINT #9, volu(t) >QA

```

```

2950 PRINT #9,envo(t) >QL
2960 PRINT #9,ento(t) >QK
2970 NEXT t >XE
2980 CLOSEOUT >ZK
2990 LOCATE 2,8:PRINT "OK !";:FOR t >VD
=1 TO 1000:NEXT t:GOSUB 2690:GOTO 1
610
3000 LOCATE 2,6:PRINT "Sauvegarde e >YJ
n cours...";
3010 nom$=nom$+".BAS" >PC
3020 OPENOUT "!" + nom$ >PK
3030 FOR t=1 TO notej >PN
3040 PRINT #9,t*10;"DATA";VAL(note$ >YX
(t));",";duree(t);",";volu(t);",";e
nvo(t);",";ento(t)
3050 NEXT t >WE
3060 l=notej*10+10 >MY
3070 PRINT #9,1;"ENV 1,10,-15,0.5,3 >QC
,5,12,15,-1,10"
3080 PRINT #9,1+10;"ENV 2,15,1,1,15 >QA
,10,15,1,-1,12"
3090 PRINT #9,1+20;"ENV 3,20,15,1,5 >TC
,-10,40,5,13,15"
3100 PRINT #9,1+30;"ENV 4,10,2,15,1 >PX
0,-1,2,30,3,5"
3110 PRINT #9,1+40;"ENV 5,10,1,5,15 >GB
,-1,1"
3120 PRINT #9,1+50;"ENV 6,15,3,1,1, >GH
-1,15"
3130 PRINT #9,1+60;"ENV 7,5,-30,1,1 >RB
5,-10,20,5,1,10"
3140 PRINT #9,1+70;"ENV 8,1,3,15,13 >HG
,-1,15"
3150 PRINT #9,1+80;"ENV 9,15,35,1.5 >RU
,8,-10,5,1,5,1"
3160 PRINT #9,1+90;"ENT 1,2,-15,0.5 >TB
,5,-15,10,1,-1,5"
3170 PRINT #9,1+100;"ENT 2,15,-20,1 >MP
5,5,-15,10"
3180 PRINT #9,1+110;"ENT 3,1,3,10,1 >QX
5,1,1,50,-1,30"
3190 PRINT #9,1+120;"ENT 4,10,-2,15 >KZ
,10,-1,5"
3200 PRINT #9,1+130;"ENT 5,1,15,1,1 >PC
,15,10,6,-5,1"
3210 PRINT #9,1+140;"ENT 6,1,12,1,1 >JE
5,-10,1"
3220 PRINT #9,1+150;"ENT 7,1,30,1,5 >RG
0,5,10,5,-15,20"
3230 PRINT #9,1+160;"ENT 8,30,-1,8, >QG
13,4,5,10,-1,1"
3240 PRINT #9,1+170;"ENT 9,1,-50,1, >UF
15,1,15,20,-15,5"
3250 PRINT #9,1+180;"FOR t=1 TO";no >GU
tej
3260 PRINT #9,1+190;"READ note,dure >GB
e,volu,envo,ento"

```



```

3270 PRINT #9,1+200;"SOUND 4,note,d >JZ
uree,volu,envo,ento:SOUND 1,note-1,
duree,volu-2,envo,ento:SOUND 2,note
+1,duree,volu-1,envo,ento"
3280 PRINT #9,1+210;"NEXT t" >WW
3290 CLOSEOUT >ZE
3300 LOCATE 2,8:PRINT "OK !";:FOR t >VN
=1 TO 1000:NEXT t:GOSUB 2690:GOTO 1
610
3310 PEN 1:LOCATE 2,8:PRINT "T'es s >DX
"+CHR$(64)+"r ? (O/N)";
3320 IF UPPER$(INKEY$)="O" THEN PRI >LV
NT " Oui";:GOSUB 2690:RETURN
3330 IF UPPER$(INKEY$)="N" THEN PRI >NF
NT " Non";:GOSUB 2690:GOTO 1610
3340 GOTO 3320 >MF
3350 LOCATE 2,6:PRINT "CHARGER";:GO >ZH
SUB 3310:GOSUB 2690
3360 LOCATE 2,6:PRINT "Nom du fichi >NZ
er:";
3370 LOCATE 2,7:PRINT "(8 car. maxi >HK
.);
3380 LOCATE 2,8:INPUT "",nom$ >XK
3390 IF nom$="" THEN GOSUB 2690:RET >FB
URN
3400 IF LEN(nom$)>8 THEN PRINT CHR$ >EF
(7);:GOSUB 2690:GOTO 3360
3410 GOSUB 2690:PEN 1:LOCATE 2,6:PR >UZ
INT "Chargement en cours...";
3420 nom$=nom$+".MUS" >QH
3430 OPENIN "!" +nom$ >NX
3440 INPUT #9,notej >NF
3450 FOR t=1 TO notej >PV
3460 INPUT #9,note$(t) >QX
3470 INPUT #9,duree(t) >RU
3480 INPUT #9,volu(t) >QD
3490 INPUT #9,envo(t) >QP
3500 INPUT #9,ento(t) >QD
3510 NEXT t >WF
3520 CLOSEIN >MA
3530 LOCATE 2,8:PRINT "OK !";:FOR t >KL
=1 TO 1000:NEXT t:GOSUB 2690:PEN 3:
LOCATE 1,1:PRINT notej;:LOCATE 1,3:
PRINT notel-notej;:PEN 1:GOTO 1610
3540 GOSUB 2690:PEN 1:LOCATE 2,6:PR >KH
INT "BASIC ou CP/M ? (B/C)";
3550 IF INKEY(54)=0 THEN PRINT " Ba >CM
sic":GOSUB 3580:CALL 0
3560 IF INKEY(62)=0 THEN PRINT " CP >ZF
/M":GOSUB 3580:ùCPM
3570 GOTO 3550 >NF
3580 PEN 3:LOCATE 2,8:PRINT "Au rev >VN
oir et "+CHR$(59)+" bientot !";
3590 FOR t=1 TO 1000:NEXT t >UQ
3600 FOR t=400 TO 0 STEP -2:PLOT 0, >KW
t,INT(RND*4):DRAW 640,t:NEXT t
3610 RETURN >FD

```


Ce programme utilisant les touches, les possesseurs de clavier AZERTY devront modifier les lignes suivantes dans le programme principal :
 (attention : le symbol ° correspond à “[” et § à “]”).

```

590 PEN 3:LOCATE 11,8:PRINT " °)§" >KY
::PEN 1:PRINT " = Octave -1"
600 PEN 3:LOCATE 11,10:PRINT " °-§ >LU
::PEN 1:PRINT " = Octave +1"
610 PEN 3:LOCATE 11,12:PRINT " °.§ >ZQ
::PEN 1:PRINT " = Dur"+CHR$(92)+"e
-1"
620 PEN 3:LOCATE 11,14:PRINT " °/§ >ZT
::PEN 1:PRINT " = Dur"+CHR$(92)+"e
+1"
650 PEN 3:LOCATE 2,10:PRINT " °W§": >VU
PEN 1:PRINT " ...permet d'enregistrer les notes que vous avez jou
"+CHR$(92)+"es avec leurs ENVs,
ENTs. Dur"+CHR$(92)+"es et Volum
es.":PEN 2:PRINT " Un grand E se

```

```

dessine si l'enregist- -tremement
a lieu"
840 PEN 3:LOCATE 2,10:PRINT " °?§": >HM
PEN 1:PRINT " ...permet de quitter
sous BASIC ou CP/M"
1520 PEN 3:LOCATE 1,21:PRINT "W": >GP
N 1:PRINT ":ENREGISTRER"
1540 PEN 3:LOCATE 1,25:PRINT "?": >ZL
N 1:PRINT ":SORTIR"
2680 PEN 1:LOCATE 2,6:PRINT "Plus d >YA
e place, mec !":CHR$(7)::LOCATE 2,8
:PRINT "Appuye sur °W§":WHILE INKEY
(71)<>0:WEND:GOSUB 2690:en=0:GOSUB
2670:enri=0:GOTO 1610
2850 IF INKEY(67)=0 THEN PRINT " As >TB
cii":GOTO 2870

```