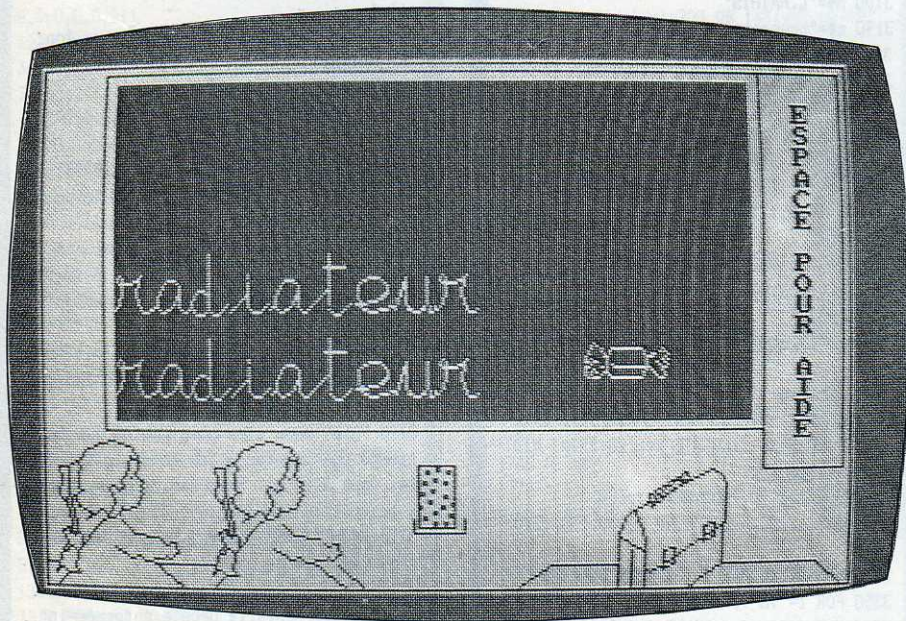


ABC

Philippe DEMOULE

Voici un programme qui ravira les amateurs de graphismes. Sa longueur est due aux 151 caractères redéfinis configurant, entre autres, l'alphabet minuscules géants, ainsi qu'aux graphismes utilisant une technique de dessin animé que les intéressés pourront aisément décortiquer.



ABC est un logiciel de pré-apprentissage de la lecture testé sur la tranche d'âge des 3 à 6 ans. Il permet de familiariser aux minuscules les enfants connaissant déjà les majuscules. L'efficacité est garantie. L'ergonomie générale a été particulièrement étudiée afin d'éviter la lassitude, et les bruitages n'ont pas été délaissés.

"Apprentissage Niveau 1" permet une familiarisation et "Apprentissage Niveau 2" permet d'exercer les connaissances.

Les trois niveaux de difficulté correspondent à trois listes de mots comportant des lettres plus ou moins difficiles. L'enfant fera correspondre les minuscules aux majuscules en un temps record. Le fonctionnement est simple. Deux commandes suffisent qui sont rappelées par l'appui sur la barre d'espacement. Les réponses fausses sont traitées (durement), et les réponses exactes récompensées par une sucrerie...

TABLEAU DES VARIABLES

ALPHA\$(26)	minuscules géantes
BONB\$	partie basse du bonbon
BONH\$	partie haute du bonbon
MARTO1\$	marteau vertical
MARTO2\$	marteau horizontal
EFFMARTO2\$	efface marteau horizontal
EPONGE\$	éponge sur tableau noir
EFFEP1\$	efface éponge du tableau
EPONGE2\$	éponge dans la boîte
GOMME\$	efface minuscules géantes ou marteau vertical
XBON	coordonnée x du bonbon
YBON	coordonnée y du bonbon
SP(= 1 ou 2)	indique si apprentissage niveau 1 ou 2
MOT\$	mot à copier
MALUS	égal 0 si pas d'erreur égal 1 si erreur
R(0 à 9)	compteur de lettres
CAR1	
CAR2	éclats de la lettre
CAR3	martelée
CAR4	

```

10 '*****
20 '***** ABC *****
30 '*** PREAPPRENTISSAGE DE LA ***
40 '***** LECTURE *****
50 '*** VERSION 1.1 - AOUT 1986 ***
60 '*** COPYRIGHT PH.DEMOULE ***
70 '*****
80 '
90 '
100 '
110 DIM alpha$(26)
120 MODE 1:BORDER 12
130 INK 0,24:INK 1,24:INK 3,24:
PAPER 1:PEN 0:PAPER#1,0:PEN#1,1:CLS#0:PA
PER#2,0:PEN#2,1:PAPER#3,1:PEN#3,1
140 WINDOW#1,5,27,2,17:CLS#1
150 WINDOW#2,24,35,2,17:CLS#2
160 WINDOW#3,37,39,2,19:CLS#3
170 WINDOW#4,29,30,13,16:PAPER#4,0:PEN#4
,1:CLS#4
    
```

```
10 '*****
20 '***** ABC *****
30 '**** PREAPPRENTISSAGE DE LA ***
40 '***** LECTURE *****
50 '*** VERSION 1.1 - AOUT 1986 ***
60 '**** COPYRIGHT PH.DEMOULE *****
70 '*****
80 '
90 '
100 '
110 DIM alpha$(26)
120 MODE 1:BORDER 12
130 INK 0,24:INK 1,24:INK 2,24:INK 3,24:
PAPER 1:PEN 0:PAPER#1,0:PEN#1,1:CLS#0:PA
PER#2,0:PEN#2,1:PAPER#3,1:PEN#3,1
140 WINDOW#1,5,27,2,17:CLS#1
150 WINDOW#2,24,35,2,17:CLS#2
160 WINDOW#3,37,39,2,19:CLS#3
170 WINDOW#4,29,30,13,16:PAPER#4,0:PEN#4
,1:CLS#4
180 '-----DESSIN CADRES, BUREAUX, BOITE
A EPONGE-----
190 PLOT 54,120,0:DRAW 568,120:DRAW 568,
390:DRAW 54,390:DRAW 54,120
200 PLOT 2,2:DRAW 636,2:DRAW 636,396:DRA
W 2,396:DRAW 2,2
210 PLOT 4,20,0:DRAW 10,20:PLOT 96,20:DR
AW 140,20:PLOT 240,20:DRAW 260,2:PLOT 38
0,2:DRAW 410,20:DRAW 458,20:PLOT 540,20:
DRAW 610,20:DRAW 630,2
220 PLOT 568,120,0:DRAW 568,90:DRAW 630,
90:DRAW 630,390:DRAW 568,390
230 PLOT 340,54,0:DRAW 340,44:DRAW 300,4
4:DRAW 300,54
240 '-----DESSIN CORBEILLE PAPIERS-----
250 '-----CREATION DE L'EPONGE-----
260 SYMBOL AFTER 97
270 SYMBOL 237,0,0,16,40,34,66,65,129
280 SYMBOL 236,0,0,0,0,63,64,64,128
290 SYMBOL 235,0,0,0,0,252,2,2,1
300 SYMBOL 234,0,0,0,0,4,10,97,194
310 SYMBOL 233,160,216,32,194,144,169,16
2,92
320 SYMBOL 232,128,128,160,159,128,128,6
4,63
330 SYMBOL 231,1,1,1,255,1,2,2,252
340 SYMBOL 230,5,18,9,134,68,34,18,12
350 BONB$=CHR$(233)+CHR$(232)+CHR$(231)+
CHR$(230)
360 BONH$=CHR$(237)+CHR$(236)+CHR$(235)+
CHR$(234)
370 SYMBOL 250,0,126,102,103,127,124,76,
79
380 SYMBOL 251,1,125,101,229,253,253,205
,205
390 SYMBOL 252,127,121,25,31,127,115,115
,63
400 SYMBOL 253,253,253,205,205,253,2
```

```
49,153
410 SYMBOL 254,63,124,124,79,79,124,124,
0
420 SYMBOL 255,157,253,241,241,253,205,2
05,1
430 SYMBOL 249,255,255,255,255,255,255,2
55,255
440 SYMBOL 248,255,255,255,255,255,255,2
,2
450 SYMBOL 247,128,192,224,255,255,255,6
4,64
460 SYMBOL 246,2,2,2,2,2,2,2,2
470 SYMBOL 245,64,64,64,64,64,64,64,64
480 SYMBOL 244,2,2,2,2,2,2,2,3
490 SYMBOL 243,64,64,64,64,64,64,64,192
500 SYMBOL 242,0,0,0,0,0,255,128,128
510 SYMBOL 241,0,0,0,0,0,0,255,0,0
520 SYMBOL 240,63,63,63,63,63,255,63,63
530 SYMBOL 239,255,0,0,0,0,0,0,0
540 SYMBOL 238,255,62,60,56,56,56,56,56
550 MARTO1$=CHR$(248)+CHR$(247)+CHR$(10)
+CHR$(8)+CHR$(8)+CHR$(246)+CHR$(245)+CHR
$(10)+CHR$(8)+CHR$(8)+CHR$(244)+CHR$(243
)
560 MARTO2$=CHR$(242)+CHR$(241)+CHR$(240
)+CHR$(10)+CHR$(8)+CHR$(8)+CHR$(8)+CHR$(
239)+CHR$(239)+CHR$(238)
570 EFFMARTO2$=CHR$(32)+CHR$(32)+CHR$(32
)+CHR$(10)+CHR$(8)+CHR$(8)+CHR$(8)+CHR$(
32)+CHR$(32)+CHR$(32)
580 EPONGE$=CHR$(249)+CHR$(250)+CHR$(251
)+CHR$(10)+CHR$(8)+CHR$(8)+CHR$(8)+CHR$(
249)+CHR$(252)+CHR$(253)+CHR$(10)+CHR$(8
)+CHR$(8)+CHR$(8)+CHR$(249)+CHR$(254)+CH
R$(255)+CHR$(11)+CHR$(11)
590 EFFEP1$=CHR$(249)+CHR$(249)+CHR$(10)
+CHR$(8)+CHR$(8)+CHR$(249)+CHR$(249)+CHR
$(10)+CHR$(8)+CHR$(8)+CHR$(249)+CHR$(249
)+CHR$(11)+CHR$(11)
600 EPONGE2$=CHR$(250)+CHR$(251)+CHR$(10
)+CHR$(8)+CHR$(8)+CHR$(252)+CHR$(253)+CH
R$(10)+CHR$(8)+CHR$(8)+CHR$(254)+CHR$(25
5)
610 LOCATE 20,20:PRINT CHR$(24);:PRINT E
PONGE2$;:PRINT CHR$(24)
620 '-----DESSIN DU DECOR EN ENCRE INV
ISIBLE PUIS CHANGEMENT D'ENCRE ET PRESEN
TATION DU SOFT-----
630 ORIGIN 0,-48:K=0:GOSUB 1420:ORIGIN 1
30,-48:K=1:GOSUB 1420:ORIGIN 450,-20:RES
TORE 1630:GOSUB 1630:ORIGIN 0,0:PLOT 400
,0,1:DRAW 648,0:ORIGIN 130,-48:GOSUB 166
0:ORIGIN 0,0:INK 0,1:INK 2,1
640 LOCATE#1,3,2 :PRINT#1,"PHILIPPE DEMO
ULE"
650 LOCATE#1,7,4:PRINT#1,"PRESENTE"
660 LOCATE#1,2,11:PRINT#1,"LOGICIEL EDUC
ATIF"
670 LOCATE#1,10,13:PRINT#1,"DE"
680 LOCATE#1,7,15:PRINT#1,"3 A 6 ANS"
690 '-----CREATION DES MINUSCULES GEAN
TES-----
700 RESTORE 970
710 FOR n=1 TO 52
720 READ numero,a,b,c,d,e,f,g,h
730 SYMBOL numero,a,b,c,d,e,f,g,h
740 NEXT n
750 z=92
760 FOR n=1 TO 13
770 z=z+4
```

```
780 alpha$(n)=CHR$(z+1)+CHR$(z+2)+CHR$(1
0)+CHR$(8)+CHR$(8)+CHR$(z+3)+CHR$(z+4)+C
HR$(11)
790 NEXT n
800 RESTORE 1110
810 FOR N=1 TO 78
820 READ NUMERO,A,B,C,D,E,F,G,H
830 SYMBOL NUMERO,A,B,C,D,E,F,G,H
840 NEXT N
850 Z=142
860 FOR N=14 TO 19
870 Z=Z+6
880 ALPHA$(N)=CHR$(11)+CHR$(Z+1)+CHR$(Z+
2)+CHR$(10)+CHR$(8)+CHR$(8)+CHR$(Z+3)+CH
R$(Z+4)+CHR$(10)+CHR$(8)+CHR$(8)+CHR$(Z+
5)+CHR$(Z+6)+CHR$(11)
890 NEXT
900 RESTORE 1180
910 FOR N=20 TO 26
920 Z=Z+6
930 ALPHA$(N)=CHR$(Z+1)+CHR$(Z+2)+CHR$(1
0)+CHR$(8)+CHR$(8)+CHR$(Z+3)+CHR$(Z+4)+C
HR$(10)+CHR$(8)+CHR$(8)+CHR$(Z+5)+CHR$(Z
+6)+CHR$(11)+CHR$(11)
940 NEXT
950 LOCATE#1,8,7:PRINT#1,ALPHA$(1);ALPHA
$(15);ALPHA$(2)
960 '-----LETTRES 4 CARACTERES
970 DATA 97,0,0,3,4,8,8,16,16, 98,0,0,1
92,32,16,16,16,16, 99,32,32,32,32,96,14
7,12,0, 100,48,48,80,80,144,9,6,0
980 DATA 101,0,0,3,4,8,8,16,16, 103,32,
32,32,32,112,136,7,1, 102,0,128,96,16,8
,0,0,0, 104,0,0,0,1,6,24,96,128
990 DATA 105,0,3,12,16,32,32,32,32, 106
,0,224,16,8,4,4,4,12, 107,32,32,19,124,
16,12,3,0, 108,24,48,192,0,3,60,192,0
1000 DATA 109,1,1,0,1,1,1,1,1, 110,0,0,
0,0,0,0,0, 111,3,5,9,17,33,64,128,0,
112,0,0,0,1,2,132,120,0
1010 DATA 113,32,80,80,63,16,16,16,16,
114,16,32,224,32,32,64,64,64, 115,16,32
,32,32,64,128,0,0, 116,64,32,32,32,16,1
7,14,0
1020 DATA 117,0,99,148,136,136,8,8,8, 1
18,0,24,164,66,66,66,66,66, 119,8,8,8,8
,8,8,0, 120,66,66,66,66,66,66,65,0
1030 DATA 121,0,0,0,0,1,2,2,4, 122,0,64
,64,128,64,64,32,32, 123,8,8,16,32,32,6
4,128,0, 124,16,8,4,4,132,68,60,0
1040 DATA 125,3,12,8,8,16,16,16,32, 126
,196,56,16,16,8,8,8,4, 127,32,32,48,80,
136,4,3,0, 128,4,4,8,8,16,32,192,0
1050 DATA 129,0,8,8,24,24,24,40,40, 130
,0,8,8,8,8,8,8, 131,40,72,72,72,132,1
34,1,0, 132,8,8,8,8,21,53,198,0
1060 DATA 133,0,48,72,136,8,8,8,8, 134,
6,9,8,8,8,8,8, 135,8,8,8,8,4,6,1,0,
136,8,8,8,8,16,48,192,0
1070 DATA 137,0,48,75,140,8,8,8,8, 138,
0,192,48,8,8,8,8,8, 139,8,8,8,8,8,8,0
, 140,8,8,8,8,9,10,4,0
1080 DATA 141,32,80,144,16,16,16,16,16,
142,1,2,132,132,132,132,132, 143,8
,8,8,8,5,2,0, 144,136,136,136,136,136
,80,32,0
1090 DATA 145,56,68,130,1,1,1,1,1, 146,
56,68,130,0,0,0,0,0, 147,1,1,1,1,130,68
,56,0, 148,0,0,0,0,130,68,56,0
```

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1100 '-----LETTRES 6 CARACTERE
S (HAUT)-----
1110 DATA 149,0,3,4,4,4,8,8,8, 150,0,19
2,32,32,32,32,32, 151,8,8,8,8,8,9,9,
10, 152,32,64,64,64,128,128,0,0, 153,1
0,4,12,52,100,130,1,0, 154,0,0,0,0,3,28
,224,0
1120 DATA 155,0,1,2,2,4,4,4,4, 156,0,19
2,32,16,16,16,16,16, 157,4,4,4,4,4,5,6,
4, 158,32,32,64,64,128,0,34,84, 159,12
,20,36,68,130,2,1,0, 160,88,48,16,16,16
,32,192,0
1130 DATA 161,0,1,2,2,4,4,4,4, 162,0,19
2,32,16,16,16,16,16, 163,4,4,4,4,4,5,6,
4, 164,32,32,64,64,128,0,0,0, 165,13,2
2,36,68,132,4,4,0, 166,192,32,16,16,18,
20,8,0
1140 DATA 167,0,1,2,2,4,4,4,4, 168,0,19
2,32,16,16,16,16,16, 169,4,4,4,4,4,5,6,
4, 170,32,32,64,64,128,0,0,0, 171,13,2
2,36,68,132,4,4,0, 172,192,32,16,112,14
4,148,104,0
1150 DATA 173,1,1,1,1,1,1,7,1,1, 174,0,0,
0,0,0,252,0,0, 175,1,1,1,1,1,1,3,5, 17
6,0,0,0,0,0,0,0, 177,9,17,33,65,128,1
,0,0, 178,0,0,0,1,2,4,136,112
1160 DATA 179,1,1,1,1,1,1,1,1, 180,0,0,
0,0,0,0,0,0, 181,1,1,1,1,1,1,29,35, 18
2,0,0,0,0,0,0,0, 183,65,65,129,129,12
9,65,66,60, 184,0,0,0,1,2,4,136,112
1170 '-----LETTRES 6 CARACT
ERES (BAS)-----
1180 DATA 185,0,0,0,1,2,2,4,4, 186,0,0,
176,200,136,132,132,132, 187,8,16,32,64
,128,0,0,0, 188,132,132,130,131,128,128
,128,128, 189,0,0,0,0,0,0,0, 190,128
,128,128,128,128,128,0
1190 DATA 191,0,0,1,2,2,2,2,2, 192,96,1
44,8,8,4,4,8,8, 193,2,2,2,2,7,10,50,194
, 194,16,32,64,128,248,128,64,32, 195,
2,2,2,2,2,2,1, 196,16,8,8,8,8,16,16,2
24
1200 DATA 197,7,8,16,32,32,32,64,64, 19
8,128,96,32,32,16,16,16,16, 199,64,64,3
2,32,80,154,15,0, 200,16,16,16,48,80,20
8,144,16, 201,0,0,0,0,0,0,0, 202,16,
16,16,16,16,16,16,16
1210 DATA 203,7,8,16,32,32,32,64,64, 20
4,128,96,32,32,16,16,16,16, 205,64,64,3
2,32,80,154,15,0, 206,16,16,16,50,100,2
16,176,80, 207,0,1,2,4,4,4,2,1, 208,14
4,16,16,16,16,16,32,192
1220 DATA 209,0,0,0,32,32,32,32,32, 21
0,0,0,0,16,16,16,16,16, 211,32,32,32,32
,80,154,15,0, 212,16,16,16,50,100,216,1
76,80, 213,0,1,2,4,4,4,2,1, 214,144,16
,16,16,16,16,32,192
1230 DATA 215,0,0,0,0,0,1,2,2, 216,16,4
8,80,80,144,16,16,16, 217,4,8,16,32,64,
128,0,0, 218,16,16,16,18,20,24,48,80,
219,0,1,2,4,4,4,2,1, 220,144,16,16,16,1
6,16,32,192
1240 DATA 221,31,16,32,32,64,65,130,3,
222,248,16,32,64,128,0,0,196, 223,0,0,0
,0,0,1,2,2, 224,40,16,40,72,136,8,4,4,
225,4,4,8,8,4,4,2,1, 226,4,4,8,8,16,16
,32,192
1250 '-----CREATION DE LA GOMME-----
1260 GOMME$=CHR$(11)+CHR$(32)+CHR$(32)+C

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```

HR$(10)+CHR$(8)+CHR$(8)+CHR$(32)+CHR$(32
)+CHR$(10)+CHR$(8)+CHR$(8)+CHR$(32)+CHR$
(32)+CHR$(10)+CHR$(8)+CHR$(8)+CHR$(32)+C
HR$(32)+CHR$(11)
1270 GOSUB 1280:X=1:Y=2:GOTO 1760
1280 '-----EFFACEMENT TABLEAU PRESENTA
TION SOFT-----
1290 GOSUB 1740
1300 LOCATE 20,20:PRINT GOMME$
1310 FOR X=5 TO 21:LOCATE X,3:PRINT EPON
GE$;:FOR TP=1 TO 100:NEXT TP:NEXT X:LOCA
TE 22,3:PRINT EFFEP1$
1320 FOR X=5 TO 21:LOCATE X,7:PRINT EPON
GE$;:FOR TP=1 TO 100:NEXT TP:NEXT X:LOCA
TE 22,7:PRINT EFFEP1$
1330 FOR X=5 TO 21:LOCATE X,10:PRINT EPO
NGE$;:FOR TP=1 TO 100:NEXT TP:NEXT X:LOC
ATE 22,10:PRINT EFFEP1$
1340 FOR X=5 TO 21:LOCATE X,14:PRINT EPO
NGE$;:FOR TP=1 TO 100:NEXT TP:NEXT X:LOC
ATE 22,14:PRINT EFFEP1$
1350 'FOR X=5 TO 21:LOCATE X,2:PRINT EPO
NGE$;:FOR TP=1 TO 100:NEXT TP:NEXT X:LOC
ATE 22,2:PRINT EFFEP1$
1360 'FOR X=5 TO 21:LOCATE X,7:PRINT EPO
NGE$;:FOR TP=1 TO 100:NEXT TP:NEXT X:LOC
ATE 22,7:PRINT EFFEP1$
1370 'LFOR X=5 TO 21:LOCATE X,10:PRINT E
PONGE$;:FOR TP=1 TO 100:NEXT TP:NEXT X:L
OCATE 22,10:PRINT EFFEP1$
1380 'FOR X=5 TO 21:LOCATE X,15:PRINT EP
ONGE$;:FOR TP=1 TO 100:NEXT TP:NEXT X:LO
CATE 22,15:PRINT EFFEP1$
1390 LOCATE 20,20:PRINT CHR$(24);:PRINT
EPONGE2$;:PRINT CHR$(24)
1400 GOSUB 1740
1410 RETURN
1420 '-----DESSIN ENFANTS-----
1430 RESTORE 1530:C=0
1440 READ XA,YA
1450 IF XA=888 THEN RETURN
1460 IF XA=777 THEN IF K=0 THEN C=0:READ
XA,YA:PLOT XA,YA,C ELSE C=2:READ XA,YA:
PLOT XA,YA,C
1470 IF XA=666 THEN C=0:READ XA,YA:IF XA
=999 THEN 1440
1480 PLOT XA,YA,C
1490 READ X,Y
1500 IF X=999 THEN 1440
1510 DRAW X,Y
1520 GOTO 1490
1530 DATA 10,50,20,60,16,64,14,64,10,60,
12,66,15,74,24,80,28,76,26,65,30,60,20,6
0,999,999
1540 DATA 20,76,17,78,20,85,17,92,22,94,
26,88,30,91,33,88,33,80,28,76,999,999
1550 DATA 23,90,24,95,20,116,22,120,22,1
40,999,999
1560 DATA 26,88,28,95,24,116,22,120,999,
999
1570 DATA 18,115,14,120,17,130,15,140,22
,140,30,144,32,140,30,136,30,125,34,122,
24,116,999,999
1580 DATA 30,144,34,150,40,154,50,158,60
,160,74,156,81,148,82,144,78,146,74,148,
73,144,72,139,66,130,68,124,64,122,60,12
6,56,124,58,120,60,116,58,108,54,104,50,
108,36,100,40,106,30,110,28,118,999,999
1590 DATA 80,145,80,138,78,136,80,132,84
,130,82,126,85,124,82,122,84,120,82,118,

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```

80,114,78,110,70,108,67,111,64,104,58,10
2,50,100,40,90,33,80,999,999,777,777
1600 DATA 66,100,76,90,96,88,102,82,110,
84,113,77,106,72,102,74,100,72,84,70,80,
74,74,72,60,80,999,999,666,666,999,999
1610 DATA 90,70,115,52,999,999
1620 DATA 75,132,999,999,888,888
1630 DATA 10,10,30,0,30,50,10,60,10,10,9
99,999,20,10,20,50,999,999,30,50,30,60,2
8,65,26,70,24,75,22,78,20,80,18,78,16,76
,14,74,12,70,10,60,999,999,30,40,35,35,9
0,70,90,100,88,104,84,108,80,110,20,80,9
99,999,30,0,88,40,88,68,999,999
1640 DATA 30,84,32,92,60,108,62,104,34,8
2,36,90,56,104,56,102,999,999,45,36,52,4
0,52,52,45,50,45,36,999,999,75,56,82,60,
82,70,75,68,75,56,999,999,888,888
1650 C=0:GOTO 1440
1660 RESTORE 1600:'DATA BRAS D'ORIGINE
1670 READ XA,YA
1680 PLOT XA,YA,3
1690 READ X,Y
1700 IF X=999 THEN RETURN
1710 DRAW X,Y+15,3
1720 GOTO 1690
1730 '-----MOUVEMENT DU BRAS-----
1740 FOR N=1 TO 10:INK 2,24:INK 3,1:FOR
TP=1 TO 100:NEXT TP:INK 2,1:INK 3,24:FOR
TP=1 TO 100:NEXT TP:NEXT N:INK 2,24:INK
3,1:FOR TP=1 TO 500:NEXT TP:INK 2,1:INK
3,24:FOR TP=1 TO 500:NEXT TP
1750 RETURN
1760 '-----MENU PRINCIPAL-----
1770 XBON=5
1780 YBON=15
1790 CLS#1:CLS#2
1800 PRINT CHR$(24)
1810 LOCATE 12,3:PRINT "MENU PRINCIPAL"
1820 LOCATE 6,8:PRINT "APPRENTISSAGE NIV
EAU 1 ... 1"
1830 LOCATE 6,10:PRINT "APPRENTISSAGE NI
VEAU 2 ... 2"
1840 LOCATE 14,16:PRINT "VOTRE CHOIX "
1850 IF INKEY(64)=0 OR INKEY(13)=0 THEN
SP=1:GOTO 1860 ELSE IF INKEY(65)=0 OR IN
KEY(14)=0 THEN SP=2:GOTO 1860 ELSE 1850
1860 '-----ETUDE DES MINUSCULES-----
1870 PRINT CHR$(7):CLS#1:CLS#2
1880 LOCATE 10,4:PRINT "ETUDE DES MINUSC
ULES"
1890 LOCATE 10,7:PRINT "NIVEAU DE DIFFIC
ULTE"
1900 LOCATE 14,10:PRINT "FACILE.... 1"
1910 LOCATE 14,11:PRINT "MOYEN.... 2"
1920 LOCATE 14,12:PRINT "DIFFICILE.. 3"
1930 LOCATE 13,16:PRINT "VOTRE CHOIX ?"
1940 PRINT CHR$(24)
1950 IF INKEY(64)=0 OR INKEY(13)=0 THEN
RESTORE 2000 ELSE IF INKEY(65)=0 OR INKE
Y(14)=0 THEN RESTORE 2020 ELSE IF INKEY(
57)=0 OR INKEY(5)=0 THEN RESTORE 2040 EL
SE 1950
1960 CLS#1:CLS#2
1970 '-----JEU MINUSCULES-----
1980 PRINT CHR$(7):CLS#1
1990 PAPER#3,1:PEN#3,0:CLS#3:PRINT#3,"
E S P A C E P O U R A

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I D E*

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2000 DATA CARTABLES,2,1,5,18,1,15,14,3,7
,RADIATEUR,5,1,19,4,1,18,3,9,5,VETEMENTS
,10,3,18,3,6,3,11,18,7,ESCALIERS,3,7,2,1
,14,4,3,5,7,AMBULANCE,1,6,15,9,14,1,11,2
,3,CONCOMBRE,2,8,11,2,8,6,15,5,3,AUTRUCH
ES,1,9,18,5,9,2,16,3,7
2010 DATA-BOUEILLE,15,8,9,18,3,4,14,14,
3,PANSEMENT,20,1,11,7,3,6,3,11,18,CROCOD
ILE,2,5,8,2,8,19,4,14,3,FIN,0,0,0,0,0,0
,0,0,0
2020 DATA SERVIETTE,7,3,5,10,4,3,18,18,3
,FAUTEUILS,21,1,9,18,3,9,4,14,7,TELEPHON
E,18,3,14,3,20,16,8,11,3,REMORQUES,5,3,6
,8,5,22,9,3,7,GUIRLANDE,23,9,4,5,14,1,11
,19,3,DEJEUNERS,19,3,25,3,9,11,3,5,7,SPA
GHETTI,7,20,1,23,16,3,18,18,4
2030 DATA CASQUETTE,2,1,7,22,9,3,18,18,3
,BOULANGER,15,8,9,14,1,11,23,3,5,DIFFICI
LE,19,4,21,21,4,2,4,14,3,FIN,0,0,0,0,0,0
,0,0,0
2040 DATA WAGONNETS,12,1,23,8,11,11,3,18
,7,ZIGZAGUER,26,4,23,26,1,23,9,3,5,KYRIE
LLES,17,24,5,4,3,14,14,3,7,WYANDOTTE,12,
24,1,11,19,8,18,18,3,XEROPHYTE,13,3,5,8,
20,16,24,18,3,ZARZUELAS,26,1,5,26,9,3,14
,1,7,ZOOPHAGIE,26,8,8,20,16,1,23,4,3
2050 DATA KANGOUROU,17,1,11,23,8,9,5,8,9
,XYLOPHAGE,13,24,14,8,20,16,1,23,3,ZOOPH
YTES,26,8,8,20,16,24,18,3,7,FIN,0,0,0,0,0
,0,0,0,0,0
2060 READ MOT$(L(1),L(2),L(3),L(4),L(5),
L(6),L(7),L(8),L(9))
2070 MALUS =0
2080 IF MOT$="FIN" THEN CLS#1:GOTO 1760
2090 'FOR I=1 TO 9
2100 IF SP=1 THEN IF MALUS=0 THEN LOCATE
#2,3,2:PRINT#2,MOT$
2110 IF SP=2 THEN PRINT CHR$(24);:LOCATE
5,11:FOR N=1 TO 9:PRINT ALPHA$(L(N));:N
EXT N:PRINT CHR$(24)
2120 'NEXT I
2130 GOSUB 2160
2140 CLS#1:PRINT CHR$(24);
2150 GOTO 2060
2160 X=5:Y=15
2170 PRINT CHR$(24);
2180 IF W2=0 THEN X=X-2
2190 W2=0
2200 IF INKEY(69)=0 THEN L=1:X=X+2:W2=1
2210 IF INKEY(62)=0 THEN L=2:X=X+2:W2=1
2220 IF INKEY(58)=0 THEN L=3:X=X+2:W2=1
2230 IF INKEY(35)=0 THEN L=4:X=X+2:W2=1
2240 IF INKEY(50)=0 THEN L=5:X=X+2:W2=1
2250 IF INKEY(38)=0 THEN L=6:X=X+2:W2=1
2260 IF INKEY(60)=0 THEN L=7:X=X+2:W2=1
2270 IF INKEY(34)=0 THEN L=8:X=X+2:W2=1
2280 IF INKEY(42)=0 THEN L=9:X=X+2:W2=1
2290 IF INKEY(55)=0 THEN L=10:X=X+2:W2=1
2300 IF INKEY(46)=0 THEN L=11:X=X+2:W2=1
2310 IF INKEY(59)=0 THEN L=12:X=X+2:W2=1
2320 IF INKEY(63)=0 THEN L=13:X=X+2:W2=1
2330 IF INKEY(36)=0 THEN L=14:X=X+2:W2=1
2340 IF INKEY(54)=0 THEN L=15:X=X+2:W2=1
2350 IF INKEY(44)=0 THEN L=16:X=X+2:W2=1
2360 IF INKEY(37)=0 THEN L=17:X=X+2:W2=1
2370 IF INKEY(51)=0 THEN L=18:X=X+2:W2=1
2380 IF INKEY(61)=0 THEN L=19:X=X+2:W2=1
2390 IF INKEY(27)=0 THEN L=20:X=X+2:W2=1
2400 IF INKEY(53)=0 THEN L=21:X=X+2:W2=1
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2410 IF INKEY(67)=0 THEN L=22:X=X+2:W2=1
2420 IF INKEY(52)=0 THEN L=23:X=X+2:W2=1
2430 IF INKEY(43)=0 THEN L=24:X=X+2:W2=1
2440 IF INKEY(45)=0 THEN L=25:X=X+2:W2=1
2450 IF INKEY(71)=0 THEN L=26:X=X+2:W2=1
2460 IF INKEY(9)=0 THEN R=0:PRINT CHR$(2
4);:GOSUB 2530:GOTO 1760
2470 IF INKEY(18)=0 THEN IF R=9 AND MALU
S=0 THEN GOSUB 1740:GOSUB 3160:R=0:RETUR
N ELSE R=0:IF YBON=5 THEN XBON=9:YBON=15
:YBON=YBON-2:RETURN ELSE YBON=YBON-2:R=0
:RETURN
2480 IF INKEY(47)=0 THEN GOSUB 2610
2490 IF X=23 THEN X=21
2500 IF W2=1 THEN IF R=9 THEN 2180 ELSE
SOUND 1,RND(1)*400,3,15:LOCATE X,Y:PRIN
T ALPHA$(L):R=R+1:FOR TP=1 TO 400:NEXT T
P:IF L(R)=L THEN 2180 ELSE GOSUB 2740:W2
=0:R=R-1:GOTO 2180
2510 W2=3
2520 GOTO 2180
2530 GOSUB 1740
2540 LOCATE 20,20:PRINT GOMME$
2550 FOR X=5 TO 21:LOCATE X,9:PRINT EPON
GE$;:FOR TP=1 TO 100:NEXT TP:NEXT X:LOCA
TE 22,9:PRINT EFFEP1$
2560 FOR X=5 TO 21:LOCATE X,15:PRINT EPO
NGE$;:FOR TP=1 TO 100:NEXT TP:NEXT X:LOC
ATE 22,15:PRINT EFFEP1$
2570 FOR X=5 TO 21:LOCATE X,12:PRINT EPO
NGE$;:FOR TP=1 TO 100:NEXT TP:NEXT X:LOC
ATE 22,12:PRINT EFFEP1$
2580 LOCATE 20,20:PRINT CHR$(24);:PRINT
EPONGE2$;:PRINT CHR$(24)
2590 GOSUB 1740
2600 RETURN
2610 '-----MENU AIDE-----
2620 PAPER#3,0:PEN#3,1:CLS#3
2630 FOR I=400 TO 1 STEP-20:SOUND 1,1,1,
7:NEXT
2640 PRINT#3," C O P Y P O U
R A R R E T"
2650 FOR TP=1 TO 2000:NEXT TP:CLS#3
2660 FOR I=400 TO 1 STEP-20:SOUND 1,1,1,
7:NEXT
2670 PRINT#3," E N T E R P O
U R S U I T E"
2680 FOR TP=1 TO 2000:NEXT TP
2690 PAPER#3,1:CLS#3
2700 FOR I=400 TO 1 STEP-20:SOUND 1,1,1,
7:NEXT
2710 FOR TP=1 TO 200:NEXT TP
2720 PEN#3,0:PRINT#3," E S P A C
E P O U R A I D E":PEN#3,
1
2730 RETURN
2740 '-----TRAITEMENT DE L'ERREUR-----
2750 MALUS=1:FOR TP=1 TO 500:NEXT TP
2760 FOR N=1 TO 7:SOUND 1,200,10,7:SOUND
1,130,10,7:FOR TP=1 TO 100:NEXT TP:PRIN
T CHR$(24):LOCATE X,Y:PRINT ALPHA$(L):FO
R TP=1 TO 100:NEXT TP:NEXT N
2770 PRINT CHR$(24):LOCATE X,Y:PRINT ALP
HA$(L):LOCATE X,Y:PRINT GOMME$
2780 LOCATE 15,7:PRINT MARTO2$;:FOR TP=1
TO 500:NEXT TP
2790 '-----ECLATEMENT-----
2800 OX=4:OY=9
2810 FOR I=1 TO 3
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2820 OX=OX+2:OY=OY-2
2830 LOCATE OX,OY:PRINT ALPHA$(L):FOR TP
=1 TO 50:NEXT TP:LOCATE OX,OY:PRINT GOMM
E$
2840 NEXT I
2850 GOSUB 3120
2860 LOCATE 15,7:PRINT EFFMARTO2$:LOCATE
14,4:PRINT MARTO1$
2870 TAG
2880 MOVE 176,300:PRINT CHR$(99);:X99=17
6:Y99=300
2890 MOVE 256,300:PRINT CHR$(97);:X97=25
6:Y97=300
2900 MOVE 256,364:PRINT CHR$(100);:X100=
256:Y100=364
2910 MOVE 176,364:PRINT CHR$(98);:X98=17
6:Y98=364
2920 '-----
2930 FOR TP=1 TO 5:NEXT TP:MOVE 176,300:
PRINT CHR$(32);:MOVE 176,364:PRINT CHR$(
32);:MOVE 256,300:PRINT CHR$(32);:MOVE 2
56,364:PRINT CHR$(32);
2940 NN=0
2950 NNN=0
2960 FOR N=284 TO 360 STEP 80
2970 NN=NN+10
2980 NNN=NNN+10
2990 Y99=Y99-40
3000 Y97=Y97-30
3010 Y98=Y98-25
3020 Y100=Y100-45
3030 CAR1=99:CAR2=97:CAR3=98:CAR4=100
3040 N1=N+NN:N2=N-NN:N3=N+NN:N4=N-NN
3050 MOVE N1,Y99+NNN:PRINT CHR$(CAR1);:M
OVE N2+80,Y97+NNN:PRINT CHR$(CAR2);:MOVE
N3,Y98:PRINT CHR$(CAR3);:MOVE N4+80,Y10
0:PRINT CHR$(CAR4);:IF AA=1 THEN 3070
3060 FOR TP=1 TO 50:NEXT TP:CAR1=32:CAR2
=32:CAR3=32:CAR4=32:AA=1:GOTO 3050
3070 AA=0:FOR TP=1 TO 50:NEXT TP
3080 NEXT N
3090 TAGOFF
3100 LOCATE -14,4:PRINT GOMME$
3110 RETURN
3120 ENV 2,10,-1,8,5,-1,4
3130 ENT-2,80,1,1,20,2,1
3140 SOUND 4,50,100,15,2,2,20
3150 RETURN
3160 '-----MOT SANS FAUTE-----
3170 ENV 1,1,15,1,1,0,1,1,0,1,12,-1,2
3180 FOR I=11 TO 30
3190 I=I+0.5
3200 SOUND 1,105,I,1,1
3210 NEXT I
3220 IF YBON=5 THEN XBON=9:YBON=15
3230 YBON=YBON-1:LOCATE#2,XBON,YBON:PRIN
T#2,BONB$
3240 YBON=YBON-1:LOCATE#2,XBON,YBON:PRIN
T#2,BONH$
3250 FOR TP=1 TO 3000:NEXT TP
3260 RETURN
3270 FOR N=100 TO 200 STEP 10:SOUND 1,N,
2:NEXT:FOR N=200 TO 100 STEP -10:SOUND 1
,N,2:NEXT
10000 PRINT:PRINT:FOR L=1 TO 13:PRINT AL
PHA$(L);:NEXT L:PRINT:PRINT:PRINT:PRINT:
FOR N=14 TO 26:PRINT ALPHA$(N);:NEXT N:P
RINT:PRINT:PRINT:PRINT
10001 PRINT:PRINT
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