

```

10 -----LISTING 1-----
--
20 '
30 '
40 ----- choix du monite
ur -----
60 MODE 2:BORDER 3
70 INK 0,1:INK 1,16
80 WINDOW#1,24,52,5,20:PAPER#1,1:PEN#1,0
:CLS#1
90 LOCATE#1,8,4:PRINT#1,"UTILISEZ-VOUS :
"
100 LOCATE#1,6,8:PRINT#1,"Le Monochrome
... 1"
110 LOCATE#1,6,10:PRINT#1, "La Couleur
..... 2"
120 LOCATE#1,9,14:INPUT#1,"Votre choix "
;monit
130 IF monit<>1 AND monit<>2 THEN 120
140 POKE 42000,monit
150 ----- GENERIQUE -----
-----
160 MODE 2
170 IF PEEK(42000)=1 THEN BORDER 12:INK
0,26:INK 1,0:PAPER 0:PEN 1
180 IF PEEK(42000)=2 THEN BORDER 3:INK 0
,1:INK 1,16:PAPER 0:PEN 1
190 ORIGIN 320,200:r=600
200 MOVE 0,r
210 FOR n=0 TO 360 STEP 10
220 DRAW r*SIN(n),r*COS(n)
230 NEXT
240 FOR tp=1 TO 2000:NEXT tp
250 b$=CHR$(164)+" PHILIPPE DEMOULE":c$="
"PROPOSE":g$="UN LOGICIEL EDUCATIF":d$="
EUROPA":f$=" version 1.86"
260 LOCATE ((80-LEN(b$))/2)+1,5:PRINT b$
270 LOCATE ((80-LEN(c$))/2),7:PRINT c$

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280 FOR tp=1 TO 2000:NEXT tp
290 ORIGIN 0,0:PLOT 250,240,1:DRAW 370,2
40:DRAW 370,190:DRAW 250,190:DRAW 250,24
0
300 LOCATE ((80-LEN(D$))/2),12:PRINT D$
310 LOCATE ((80-LEN(G$))/2),18:PRINT G$
320 LOCATE ((80-LEN(f$))/2),22:PRINT f$
330 FOR tp=1 TO 5000:NEXT tp
340 BORDER 10,14
350 RUN "EUROPA1"
360 '
370 -----FIN DU LISTING 1-----

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10 -----LISTING 2-----
-----
20 '
30 '
40 '*****
50 '***** EUROPA *****
60 '*** VERSION 1.1 - NOVEMBRE 1986 ***
70 '***** COPYRIGHT PH.DEMOULE *****
80 '*****
90 '
100 '
110 '
120 '
130 '
140 '
150 ----- declaration tabl
eaux -----
155 MODE 2
160 DEFINT a-z
170 PRINT CHR$(23);CHR$(0)
180 ON BREAK STOP
190 GOSUB 4290
200 ZONE 13

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210 DIM p$(26)
220 DIM p(26):FOR n=1 TO 26:p(n)=0:NEXT n
230 RESTORE 2040:FOR n=1 TO 26:READ a$:p$(n)=a$:NEXT n
240 '----- menu principal -----
250 IF PEEK(42000)=1 THEN BORDER 10:MODE 2:INK 1,26:INK 0,5:PAPER 0:PEN 1
260 IF PEEK(42000)=2 THEN BORDER 3:MODE 2:INK 1,16:INK 0,1:PAPER 0:PEN 1
270 CLS
280 w=0
290 PLOT 6,394,1:DRAW 634,394:DRAW 634,6:DRAW 6,6:DRAW 6,394
300 PLOT 2,398,1:DRAW 638,398:DRAW 638,2:DRAW 2,2:DRAW 2,398
310 LOCATE ((80-LEN("EUROPA"))/2),4:PRINT "EUROPA"
320 LOCATE 16,11:PRINT"VISUALISATION DES PAYS ..... 1"
330 LOCATE 16,13:PRINT"LE PUZZLE (reconstitution de la carte) ..... 2"
340 LOCATE 16,15:PRINT"LE VOYAGE (questionnaire sur les pays) ..... 3"
350 LOCATE 16,17:PRINT"L'ENCYCLOPEDIE (base de donnees) ..... 4"
360 LOCATE 30,24:PRINT "VOTRE CHOIX ?"
370 GOSUB 4790
380 IF a$="1" THEN 2500
390 IF a$="2" THEN 420
400 IF a$="3" THEN 2060
410 IF a$="4" THEN 3010
420 '----- le puzzle -----
430 ON BREAK GOSUB 3850
440 IF PEEK(43903)=1 THEN BORDER 10:MODE 2:INK 0,26:INK 1,5:PAPER 0:PEN 1
450 IF PEEK(43903)=2 THEN BORDER 3:MODE 2:INK 0,1:INK 1,16:PAPER 0:PEN 1
460 CLS
470 sc=0
480 WINDOW#1,55,72,8,8:PAPER#1,0:PEN#1,1
490 PLOT 430,270:DRAW 600,270:DRAW 600,290:DRAW 430,290:DRAW 430,270
500 WINDOW#5,58,72,2,5:PAPER#5,1:PEN#5,0:CLS#5
510 WINDOW#2,65,69,14,14:PAPER#2,0:PEN#2,1
520 PLOT 490,240:DRAW 556,240:DRAW 556,160:DRAW 490,160:DRAW 490,240
530 WINDOW#4,63,69,12,12:PAPER#4,0:PEN#4,1:CLS#4:PRINT#4," SCORE"
540 WINDOW#7,17,31,3,3
550 WINDOW#3,10,40,3,23:PAPER#3,1:PEN#3,0
560 WINDOW#6,60,70,20,24:PAPER#6,1:PEN#6,0:CLS#6:PRINT#6:PRINT#6," Abandon":PRI

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NT#6:PRINT#6," ";CHR$(154)+CHR$(243)+"[ENTER]"
570 PLOT 10,10:DRAW 630,10:DRAW 630,390:DRAW 10,390:DRAW 10,10
580 PLOT 5,5:DRAW 635,5:DRAW 635,395:DRAW 5,395:DRAW 5,5
590 PLOT 400,10:DRAW 400,390
600 PLOT 395,10:DRAW 395,390
610 CLS#3
620 PRINT#3:PRINT#3,"      Vous devez citer le nom"
630 PRINT#3," des 26 pays d'europe. Si vous"
640 PRINT#3," vous trompez ou encore faites"
650 PRINT#3," une faute d'orthographe, aucun"
660 PRINT#3," point ne vous est decouvert"
670 PRINT#3," l'erreur vous sera signalee."
680 PRINT#3," Le score vous indique au fur"
690 PRINT#3," et a mesure le nombre de pays"
700 PRINT#3," que vous avez trouves.Il vous"
710 PRINT#3," faut taper chaque lettre avec"
720 PRINT#3," le cas echec les espaces"
730 PRINT#3," mais sans trait d'union. En"
740 PRINT#3," cas de besoin la touche verte"
750 PRINT#3," [DEL] vous servira de gomme."
760 PRINT#3," Validez enfin votre reponse"
770 PRINT#3," en appuyant sur la touche"
780 PRINT#3," bleue..."
790 PRINT#3:PRINT#3,"      Enfoncez une touche..."
800 CALL &BB06:PAPER#3,0:PEN#3,1:CLS#3
810 PRINT#5:PRINT#5," CITEZ LES 26":PRINT#5," PAYS D'EUROPE":INPUT#1,p$:GOTO 880
820 CLS#7:PRINT#2,SC
830 IF sc=5 THEN u=1:GOSUB 2290:u=0
840 IF sc=10 THEN u=1:GOSUB 2300:u=0
850 IF sc=15 THEN u=1:GOSUB 2310:u=0
860 LOCATE 1,1
870 IF sc=26 THEN 1870 ELSE INPUT#1,p$
880 IF UPPER$(p$)="" THEN GOTO 1930 ELSE RESTORE 1160:IF UPPER$(p$)="FRANCE" THEN P(1)=P(1)+1:IF P(1)>1 THEN GOSUB 1860:GOTO 820: ELSE GOTO 1790

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890 RESTORE 1210:IF UPPER$(p$)="ESPAGNE"
  THEN p(2)=p(2)+1:IF p(2)<>1 THEN GOSUB
1860:GOTO 820 ELSE GOTO 1790
900 RESTORE 1240:IF UPPER$(p$)="RFA" THE
N p(3)=p(3)+1:IF p(3)<>1 THEN GOSUB 1860
:GOTO 820 ELSE GOTO 1790
910 RESTORE 1290:IF UPPER$(p$)="SUISSE"
THEN p(4)=p(4)+1:IF p(4)<>1 THEN GOSUB 1
860:GOTO 820 ELSE GOTO 1790
920 RESTORE 1350:IF UPPER$(p$)="ITALIE"
THEN p(5)=p(5)+1:IF p(5)<>1 THEN GOSUB 1
860:GOTO 820 ELSE GOTO 1790
930 RESTORE 1390:IF UPPER$(p$)="POLOGNE"
THEN p(6)=p(6)+1:IF p(6)<>1 THEN GOSUB
1860:GOTO 820 ELSE 1790
940 RESTORE 1410:IF UPPER$(p$)="GRANDE B
RETAGNE" OR UPPER$(p$)="GRANDE-BRETAGNE"
THEN p(7)=p(7)+1:IF p(7)<>1 THEN GOSUB 1
860:GOTO 820 ELSE 1790
950 RESTORE 1440:IF UPPER$(p$)="ISLANDE"
  THEN p(8)=p(8)+1:IF p(8)<>1 THEN GOSUB
1860:GOTO 820 ELSE 1790
960 RESTORE 1460:IF UPPER$(p$)="GRECE" T
HEN p(9)=p(9)+1:IF p(9)<>1 THEN GOSUB 18
60:GOTO 820 ELSE 1790
970 RESTORE 1490:IF UPPER$(p$)="YOUgosLA
VIE" THEN p(10)=p(10)+1:IF p(10)<>1 THEN
  GOSUB 1860:GOTO 820 ELSE 1790
980 RESTORE 1510:IF UPPER$(p$)="ALBANIE"
  THEN p(11)=p(11)+1:IF p(11)<>1 THEN GOS
UB 1860:GOTO 820 ELSE 1790
990 RESTORE 1530:IF UPPER$(p$)="AUTRICHE
" THEN p(12)=p(12)+1:IF p(12)<>1 THEN GO
SUB 1860:GOTO 820 ELSE 1790
1000 RESTORE 1550:IF UPPER$(p$)="HONGRIE
" THEN p(13)=p(13)+1:IF p(13)<>1 THEN GO
SUB 1860:GOTO 820 ELSE 1790
1010 RESTORE 1570:IF UPPER$(p$)="TCHECOS
LOVAQUIE" THEN p(14)=p(14)+1:IF p(14)<>1
  THEN GOSUB 1860:GOTO 820 ELSE 1790
1020 RESTORE 1590:IF UPPER$(p$)="ROUMANI
E" THEN p(15)=p(15)+1:IF p(15)<>1 THEN G
OSUB 1860:GOTO 820 ELSE 1790
1030 RESTORE 1610:IF UPPER$(p$)="BULGARI
E" THEN p(16)=p(16)+1:IF p(16)<>1 THEN G
OSUB 1860:GOTO 820 ELSE 1790
1040 RESTORE 1630:IF UPPER$(p$)="NORVEGE
" THEN p(17)=p(17)+1:IF p(17)<>1 THEN GO
SUB 1860:GOTO 820 ELSE 1790
1050 RESTORE 1660:IF UPPER$(p$)="SUEDE"
THEN p(18)=p(18)+1:IF p(18)<>1 THEN GOSU
B 1860:GOTO 820 ELSE 1790
1060 RESTORE 1690:IF UPPER$(p$)="FINLAND
E" THEN p(19)=p(19)+1:IF p(19)<>1 THEN G
OSUB 1860:GOTO 820 ELSE 1790
1070 RESTORE 1720:IF UPPER$(p$)="IRLANDE
" THEN p(20)=p(20)+1:IF p(20)<>1 THEN G
OSUB 1860:GOTO 820 ELSE 1790

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1080 RESTORE 1740:IF UPPER$(p$)="PORTUGA
L" THEN p(21)=p(21)+1:IF p(21)<>1 THEN G
OSUB 1860:GOTO 820 ELSE 1790
1090 RESTORE 1750:IF UPPER$(p$)="PAYS-BA
S" OR UPPER$(p$)="PAYS BAS" THEN p(22)=p(
22)+1:IF p(22)<>1 THEN GOSUB 1860:GOTO 8
20 ELSE 1790
1100 RESTORE 1780:IF UPPER$(p$)="DANEMAR
K" THEN p(23)=p(23)+1:IF p(23)<>1 THEN G
OSUB 1860:GOTO 820 ELSE 1790
1110 RESTORE 1310:IF UPPER$(p$)="BELGIQU
E" THEN p(24)=p(24)+1:IF p(24)<>1 THEN G
OSUB 1860:GOTO 820 ELSE 1790
1120 RESTORE 1330:IF UPPER$(p$)="LUXEMBO
URG" THEN p(25)=p(25)+1:IF p(25)<>1 THEN
  GOSUB 1860:GOTO 820 ELSE 1790
1130 RESTORE 1270:IF UPPER$(p$)="RDA" TH
EN p(26)=p(26)+1:IF p(26)<>1 THEN GOSUB
1860:GOTO 820 ELSE GOTO 1790
1140 PRINT#7, "REPONSE FAUSSE":FOR n=1 T
O 2000:NEXT n:bonus=bonus-2:CLS#2: GOTO
820
1150 '-----france-----
1160 DATA 60,74, 62,75, 69,86, 71,83,
70,95, 68,97, 68,101, 70,104, 67,1
03, 66,106, 63,108, 61,110, 58,110,
60,112, 58,114, 60,116, 58,117, 60,
118, 64,116, 66,118
1170 DATA 68,113, 70,113, 74,111, 74,
120, 78,119, 76,116, 83,113, 85,114
1180 DATA 93,119, 95,123, 100,124, 1
03,114, 110,110, 123,103, 116,91, 11
3,90, 110,88, 105,85, 110,86, 111,80
, 108,75, 110,72, 107,70, 112,65, 1
15,63, 107,62, 102,58, 95,63, 90,65,
85,60, 80,62, 75,68, 70,66
1190 DATA 60,74, 555,555, 120,58, 120
,50, 116,46, 114,48, 114,52, 116,54,
118,58, 120,58, 999,999
1200 '-----espagne-----
1210 DATA 20,40, 26,29, 33,30, 45,2
5, 50,30, 57,30, 65,35, 60,42, 65,4
5, 70,50, 83,55, 85,60, 80,62, 75,6
8, 70,66, 60,74, 46,78, 44,82, 29,8
8, 26,86, 24,88, 22,86, 24,83, 22,7
7, 26,76, 27,74, 31,74, 34,70, 23,5
9, 24,51
1220 DATA 20,40, 999,999
1230 '-----rfa-----
1240 DATA 143,138, 140,130, 140,120,
134,118, 132,114, 138,112, 142,108,
144,100, 147,99, 148,97, 143,91, 126
,90, 123,93, 117,94, 123,103, 116,10
8, 118,120, 116,116, 116,120, 122,13
5, 125,138, 132,138, 133,145, 138,14
3, 136,142
1250 DATA 143,138,999,999
1260 '-----rda-----

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1270 DATA 143,138, 152,142, 153,135,
152,127, 155,120, 155,111, 150,113,
142,108, 138,112, 132,114, 134,118,
140,120, 140,130, 143,138, 999,999
1280 '-----suisse-----
1290 DATA 130,85, 126,90, 123,93, 117
,94, 116,91, 113,90, 110,88, 105,85,
110,86, 111,80, 117,82, 120,80, 12
3,83, 126,81, 130,85, 999,999
1300 '-----belgique-----
-
1310 DATA 103,127, 106,126, 116,120,
116,116, 112,114, 110,110, 103,114,
100,124, 103,127, 999,999
1320 '-----luxembourg-----
1330 DATA 116,116, 112,114, 110,110,
116,108, 118,120, 116,116, 999,999
1340 '-----italie-----

1350 DATA 112,65, 107,70, 110,72, 108
,75, 111,80, 117,82, 120,80, 123,83,
126,81, 130,85, 132,87, 139,85, 14
0,82, 145,80, 146,74, 138,71, 137,63
, 144,57, 144,50, 147,47, 157,44, 1
55,42, 164,38, 168,33, 167,27, 165,3
2, 160,32
1360 DATA 157,28, 160,22, 158,20, 156
,15, 151,15, 152,20, 155,21, 155,30,
150,30, 136,45, 139,45, 140,40, 13
5,45, 130,50, 127,55, 126,60, 118,68
, 115,63, 112,65, 555,555, 150,18, 1
46,12, 148,6, 146,6, 144,8, 142,8,
134,14
1370 DATA 136,18, 138,18, 140,16, 150
,18, 555,555, 120,44, 120,38, 118,36
, 120,34, 116,28, 114,28, 112,26, 1
10,30, 112,36, 110,42, 112,40, 120,4
4, 999,999
1380 '-----pologne-----
1390 DATA 153,135, 166,129, 172,130,
175,126, 180,138, 190,135, 194,136,
196,132, 196,123, 193,120, 195,112,
198,108, 188,103, 193,98, 183,100, 1
75,100, 165,109, 163,105, 159,112, 1
55,111, 155,120, 152,127, 153,135, 9
99,999
1400 '-----grande bretagne-----

1410 DATA 60,129, 69,126, 71,129, 82,
125, 85,127, 88,125, 93,127, 90,130,
93,132, 97,137, 90,140, 94,145, 90
,153, 88,156, 90,160, 84,166, 93,176
, 88,178, 83,176, 92,183, 83,185, 8
3,181, 79,182, 78,177, 73,173
1420 DATA 77,172, 73,166, 77,170, 78,
168, 76,163, 74,163, 73,160, 80,158,
78,148, 72,150, 70,146, 73,144, 65
,140, 70,136, 77,135, 74,132, 67,133

, 60,129, 999,999
1430 '-----islande-----
-
1440 DATA 46,249, 53,244, 55,239, 59,
240, 63,238, 66,240, 70,238, 79,241,
77,247, 82,252, 76,254, 73,252, 70
,255, 65,253, 64,258, 60,255, 62,261
, 52,261, 57,256, 54,254, 47,257, 5
2,250, 46,249, 999,999
1450 '-----grece-----
1460 DATA 180,17, 193,17, 194,14, 186
,16, 182,14, 182,10, 185,9, 186,5,
193,1, 195,3, 193,10, 196,10, 197,15
, 193,20, 191,30, 193,34, 196,30, 2
00,30, 198,35, 210,34, 215,42, 212,4
5, 207,40, 200,43, 193,40, 188,36
1470 DATA 183,37, 182,32, 175,29, 180
,17, 999,999
1480 '-----yougoslavie-----
-
1490 DATA 145,80, 146,74, 143,73, 146
,69, 150,71, 150,65, 167,48, 175,44,
175,48, 180,48, 181,40, 183,37, 18
8,36, 193,40, 195,43, 192,48, 195,50
, 192,62, 190,65, 185,65, 180,77, 1
67,75, 160,81, 152,79, 145,80, 999,9
99
1500 '-----albanie-----
1510 DATA 175,44, 173,32, 175,29, 182
,32, 183,37, 181,40, 180,48, 175,48,
175,44, 999,999
1520 '-----autriche-----
1530 DATA 130,85, 132,87, 139,85, 140
,82, 145,80, 152,79, 161,83, 163,90,
164,95, 155,99, 152,96, 148,97, 14
3,91, 127,90, 130,85, 999,999
1540 '-----hongrie-----
1550 DATA 190,93, 183,96, 180,93, 174
,92, 172,88, 163,90, 160,81, 167,75,
180,77, 187,82, 187,87, 190,93, 99
9,999
1560 '-----tchecoslovaquie-----
--
1570 DATA 163,90, 164,95, 155,99, 152
,96, 148,97, 147,99, 144,100, 142,10
8, 150,113, 155,111, 159,112, 163,10
5, 165,109, 175,100, 183,100, 193,98
, 190,93, 183,96, 180,93, 174,92, 1
72,88, 163,90, 999,999
1580 '-----roumanie-----
1590 DATA 190,93, 187,87, 187,82, 180
,77, 185,65, 190,65, 192,62, 197,57,
208,59, 216,63, 222,61, 225,60, 22
3,65, 228,68, 228,70, 220,74, 221,82
, 213,91, 202,87, 198,91, 195,90, 1
90,93, 999,999
1600 '-----bulgarie-----
1610 DATA 212,45, 207,40, 200,43, 193

,40, 195,43, 192,48, 195,50, 192,62,
197,57, 208,59, 216,63, 222,61, 22
5,60, 220,54, 219,49, 223,49, 224,47
, 216,47, 212,45, 999,999

1620 -----norvege-----

1630 DATA 194,258, 172,244, 174,242,
160,227, 146,211, 151,208, 140,205,
128,198, 133,192, 125,190, 128,185,
130,187, 125,180, 128,181, 126,176,
124,178, 130,170, 142,176, 145,182,
146,174, 149,174, 149,180, 153,185,
152,190

1640 DATA 155,192, 152,196, 156,210,
160,210, 162,214, 160,215, 164,220,
165,227, 170,230, 170,236, 180,243,
183,243, 185,248, 195,245, 197,252,
202,254, 207,250, 210,255, 206,255,
209,258, 200,260, 194,258, 999,999

1650 -----suede-----

1660 DATA 146,174, 149,174, 149,180,
153,185, 152,190, 155,192, 152,196,
156,210, 160,210, 162,214, 160,215,
164,220, 165,227, 170,230, 170,236,
180,243, 183,243, 184,246, 190,240,
195,229, 195,222, 185,220, 185,210,
180,208

1670 DATA 172,198, 170,185, 175,180,
174,176, 167,175, 173,172, 166,168,
162,151, 158,153, 155,150, 155,146,
150,150, 151,160, 146,174, 999,999

1680 -----finlande-----

1690 DATA 195,222, 195,229, 190,240,
184,246, 185,248, 195,245, 197,252,
202,254, 207,250, 206,244, 209,240,
206,234, 211,227, 216,215, 215,210,
223,203, 210,185, 200,180, 192,177,
193,181, 185,185, 185,200, 193,208,
193,213

1700 DATA 198,215, 198,220, 195,222,
999,999

1710 -----irlande-----

1720 DATA 60,143, 64,147, 64,152, 66,
154, 66,156, 71,158, 70,160, 71,163,
68,165, 65,164, 62,168, 59,165, 61
,164, 56,162, 52,164, 50,162, 52,160
, 49,158, 50,152, 43,150, 46,148, 4
3,147, 50,143, 57,146, 60,143, 999,9
99

1730 -----portugal-----

1740 DATA 22,77, 26,76, 27,74, 31,74,
34,70, 23,59, 24,51, 20,40, 8,43,
12,50, 10,53, 12,56, 13,60, 18,70,
22,77, 999,999

1750 -----pays bas-----

1760 DATA 122,135, 120,138, 114,136,
115,134, 113,130, 111,135, 106,129,
103,127, 106,126, 116,120, 122,135,

999,999

1770 -----danemark-----

1780 DATA 133,150, 130,152, 130,158,
134,156, 138,160, 142,155, 135,147,
138,143, 133,145, 133,150, 999,999,88
8,888

1790 READ xa,ya:PLOT xa*1.5,ya*1.5

1800 READ x,y

1810 IF x=999 THEN 1840 ELSE IF x=555 TH
EN 1790

1820 DRAW x*1.5,y*1.5

1830 GOTO 1800

1840 CLS#2:sc=sc+1:FOR n=1 TO 500:NEXT:E
NV 1,15,-1,10:ENT 1,10,4,1,1,-20,1:SOUND
2,400,0,15,1,2:GOTO 820

1850 END

1860 PRINT#7," DEJA DONNE":FOR d=1 TO 2
000:NEXT: RETURN

1870 FOR n=1 TO 10:PRINT CHR\$(7):LOCATE
7,24:PRINT"Appuyez sur une touche...":FO
R d=1 TO 400:NEXT d:LOCATE 7,24:PRINT"
":NEXT n

1880 WHILE INKEY\$="" :WEND

1890 MODE 0:FOR n=2 TO 24:LOCATE 1,n:PRI
NT CHR\$(64);:LOCATE 20,n:PRINT CHR\$(64);
:NEXT n

1900 FOR n=1 TO 20:LOCATE n,1:PRINT CHR\$
(64):NEXT n:FOR f=1 TO 20:LOCATE f,25:PR
INT CHR\$(64);:NEXT f:LOCATE 5,8:PRINT"VO
TRE NOTE :"

1910 LOCATE 7,16:PRINT CINT(20/25*sc);"/
20"

1920 FOR tp=1 TO 3000:NEXT tp:IF w=1 THE
N PRINT CHR\$(23);CHR\$(0):GOTO 2060 ELSE
RUN 150

1930 MODE 2

1940 ZONE 40

1950 LOCATE 20,4:PRINT"Voici les";26-sc;
"pays que vous avez oublies :"

1960 LOCATE 21,5:PRINT"
"

1970 PRINT:PRINT:PRINT:PRINT

1980 FOR n=1 TO 25

1990 IF p(n)=0 THEN no=no+1:PRINT "
";p\$(n),

2000 NEXT n

2010 PLOT 10,10:DRAW 630,10:DRAW 630,390
:DRAW 10,390:DRAW 10,10

2020 PLOT 5,5:DRAW 635,5:DRAW 635,395:DR
AW 5,395:DRAW 5,5

2030 LOCATE 25,24:PRINT"ENFONCEZ UNE TOU
CHE POUR LA SUITE...":WHILE INKEY\$="" :WE
ND:GOTO 1890

2040 DATA FRANCE,ESPAGNE,RFA,SUISSE,ITAL
IE,POLOGNE,GDE-B,ISLANDE,GRECE,YOUGOSLAV
IE,ALBANIE,AUTRICHE,HONGRIE,TCHECOSLOVAQ
UIE,ROUMANIE,BULGARIE

2050 DATA NORVEGE,SUEDE,FINLANDE,IRLANDE
,PORTUGAL,PAYS BAS,DANEMARK,BELGIQUE,LUX
EMBOURG,RDA

2060 ----- le voyage -----

2070 ON BREAK GOSUB 3850

2080 MODE 1

2090 deriv=1:sc=0:w=w+1

2100 IF PEEK(43903)=1 THEN BORDER 10:INK

0,24:INK 1,13:INK 2,13:INK 3,1

2110 IF PEEK(43903)=2 THEN BORDER 3:INK

0,1:INK 1,16:INK 2,16:INK 3,23

2120 ORIGIN 0,0

2130 CLS

2140 RESTORE 1160

2150 READ xa,ya:IF xa=888 THEN 2210 ELSE

PLOT xa*1.5,ya*1.5

2160 READ x,y

2170 IF x=999 THEN 2150 ELSE IF x=555 TH

EN 2150

2180 DRAW x*1.5,y*1.5

2190 GOTO 2160

2200 -----dessin des cadres-----

2210 PLOT 8,8,3:DRAW 350,8:DRAW 350,390:

DRAW 8,390:DRAW 8,8:PLOT 4,4:DRAW 355,4:

DRAW 355,395:DRAW 4,395:DRAW 4,4

2220 PLOT 362,388:DRAW 628,388:DRAW 628,

10:DRAW 362,10:DRAW 362,388

2230 PLOT 142,384,3:DRAW 208,384:DRAW 20

8,334:DRAW 142,334:DRAW 142,384

2240 PLOT 414,224:DRAW 576,224:DRAW 576,

206:DRAW 414,206:DRAW 414,224

2250 PLOT 366,384:DRAW 624,384:DRAW 624,

302:DRAW 366,302:DRAW 366,384

2260 PLOT 366,80:DRAW 624,80:DRAW 624,14

:DRAW 366,14:DRAW 366,80

2270 -----

2280 IF deriv=1 THEN deriv=0:GOTO 2320

2290 LOCATE 20,9:PRINT"mer":LOCATE 21,10

:PRINT"du":LOCATE 20,11:PRINT"Nord":IF u

=1 THEN RETURN

2300 LOCATE 6,7:PRINT"A":LOCATE 6,8:PRIN

T"t":LOCATE 6,9:PRINT"l":LOCATE 6,10:PRI

NT"a":LOCATE 6,11:PRINT"n":LOCATE 6,12:P

RINT"t":LOCATE 6,13:PRINT"i":LOCATE 6,14

:PRINT"q":LOCATE 6,15:PRINT"u":LOCATE 6,

16:PRINT"e":IF u=1 THEN RETURN

2310 LOCATE 18,21:PRINT"mer":LOCATE 14,2

3:PRINT"Mediterranee":IF u=1 THEN RETURN

2320 WINDOW#1,24,39,2,6:PAPER#1,1:PEN#1,

3:CLS#1

2330 WINDOW#2,10,13,2,4:PAPER#2,2:PEN#2,

3:CLS#2

2340 WINDOW#3,27,36,12,12:PAPER#3,2:PEN#

3,3:CLS#3

2350 WINDOW#4,24,39,21,24:PAPER#4,1:PEN#

4,3:CLS#4

2360 WINDOW#5,24,39,15,18:PAPER#5,1:PEN#

5,3

2370 IF w=2 THEN PLOT 366,176:DRAW 624,1

76:DRAW 624,110:DRAW 366,110:DRAW 366,17

6

2380 IF w=1 THEN LOCATE#4,2,2:PRINT#4,CH

R\$(243);" Exercice 1":LOCATE#4, 4,3:PRIN

T#4,"Exercice 2"

2390 IF w=2 THEN LOCATE#4,4,2:PRINT#4,"E

xercice 1":LOCATE#4,2,3:PRINT#4,CHR\$(243

);" Exercice 2"

2400 sc=0:LOCATE#2,1,2:PRINT#2,sc

2410 RESTORE 3880

2420 PLOT -2,-2,3:PRINT CHR\$(23);CHR\$(1)

;:TAG:FOR n=1 TO 26:READ d\$,d1,d2,dd\$

2430 MOVE d1,d2:PRINT CHR\$(144);:NEXT n:

TAGOFF:PRINT CHR\$(23);CHR\$(0);: RESTORE

3880

2440 message\$="Ou se situe"

2450 GOSUB 4170

2460 GOSUB 3930

2470 GOSUB 4220

2480 GOTO 2450

2490 END

2500 ----- visualisation -----

2510 ON BREAK GOSUB 3850

2520 MODE 1:PLOT 20,150,1:DRAW 290,150:D

RAW 290,184:DRAW 20,184:DRAW 20,150

2530 PLOT 4,394,1:DRAW 634,394:DRAW 634,

4:DRAW 4,4:DRAW 4,394

2540 LOCATE 2,2:PRINT"[ESPACE]"

2550 LOCATE 2,24:PRINT"[ESC] pour fin"

2560 ORIGIN 250,0

2570 IF PEEK(43903)=1 THEN BORDER 10:INK

0,18:INK 1,0:INK 2,14:INK 3,0,26

2580 IF PEEK(43903)=2 THEN BORDER 3:INK

0,1:INK 1,16:INK 2,15:INK 3,0,26

2590 RESTORE 1160

2600 READ xa,ya:IF xa=888 THEN 2650 ELSE

PLOT xa*1.5,ya*1.5,2

2610 READ x,y

2620 IF x=999 THEN 2600 ELSE IF x=555 TH

EN 2600

2630 DRAW x*1.5,y*1.5,2

2640 GOTO 2610

2650 WINDOW#1,3,18,15,15:PAPER#1,0:PEN#1

,1

2660 i=0:ii=0

2670 WHILE INKEY(47)<>0:WEND:SOUND 1,RND

(1)*200,3,15:co=0:i=i+1:ii=i:IF i=27 THE

N i=1:ii=i:LOCATE#1,(16-LEN(p\$(i)))/2,1:

PRINT#1,p\$(i) ELSE LOCATE#1,(16-LEN(p\$(i

))) /2,1:PRINT#1,p\$(i)

2680 ON i GOSUB 2750,2760,2770,2780,2790

,2800,2810,2820,2830,2840,2850,2860,2870

,2880,2890,2900,2910,2920,2930,2940,2950

```
,2960,2970,2980,2990,3000
2690 GOTO 2710
2700 WHILE INKEY(47)<>0:WEND:SOUND 1,RND
(1)*200,3,15:CLS#1:co=1:ON ii GOSUB 2750
,2760,2770,2780,2790,2800,2810,2820,2830
,2840,2850,2860,2870,2880,2890,2900,2910
,2920,2930,2940,2950,2960,2970,2980,2990
,3000
2710 READ xa,ya:IF co=0 THEN PLOT xa*1.5
,ya*1.5,3 ELSE PLOT xa*1.5,ya*1.5,2
2720 READ x,y:IF x=555 THEN 2710 ELSE IF
x=999 THEN IF co=0 THEN 2700 ELSE 2670
2730 IF co=0 THEN DRAW x*1.5,y*1.5,3 ELS
E DRAW x*1.5,y*1.5,2
2740 GOTO 2720
2750 RESTORE 1160:RETURN
2760 RESTORE 1200:RETURN
2770 RESTORE 1240:RETURN
2780 RESTORE 1280:RETURN
2790 RESTORE 1340:RETURN
2800 RESTORE 1380:RETURN
2810 RESTORE 1400:RETURN
2820 RESTORE 1430:RETURN
2830 RESTORE 1450:RETURN
2840 RESTORE 1480:RETURN
2850 RESTORE 1500:RETURN
2860 RESTORE 1520:RETURN
2870 RESTORE 1540:RETURN
2880 RESTORE 1560:RETURN
2890 RESTORE 1580:RETURN
2900 RESTORE 1600:RETURN
2910 RESTORE 1620:RETURN
2920 RESTORE 1650:RETURN
2930 RESTORE 1680:RETURN
2940 RESTORE 1710:RETURN
2950 RESTORE 1730:RETURN
2960 RESTORE 1750:RETURN
2970 RESTORE 1770:RETURN
2980 RESTORE 1310:RETURN
2990 RESTORE 1330:RETURN
3000 RESTORE 1270:RETURN
3010 '----- ENCYCLOPEDIE -----
-----
3020 MODE 2
3030 IF PEEK(43903)=1 THEN BORDER 10:INK
0,5:INK 1,26:PAPER 0:PEN 1
3040 IF PEEK(43903)=2 THEN BORDER 3:INK
0,1:INK 1,16:PAPER 0:PEN 1
3050 WINDOW#1,55,78,3,15:PAPER#1,1:PEN#1
,0:CLS#1
3060 PLOT 428,370,1:DRAW 628,370:DRAW 62
8,156:DRAW 428,156:DRAW 428,370
3070 ON BREAK GOSUB 3850
3080 y2=1:y3=3
3090 GOSUB 3450
3100 rest=rest+1:IF rest=27 THEN rest=1
3110 IF rest=1 THEN RESTORE 3590:GOSUB 3
370:ORIGIN 350,100:RESTORE 1160:GOTO 435
```

```
0
3120 IF rest=2 THEN RESTORE 3600:GOSUB 3
370:ORIGIN 420,130:RESTORE 1210:GOTO 435
0
3130 IF rest=3 THEN RESTORE 3610:GOSUB 3
370:ORIGIN 280,70:RESTORE 1240:GOTO 4350
3140 IF rest=4 THEN RESTORE 3630:GOSUB 3
370:RESTORE 1290:GOTO 4350
3150 IF rest=5 THEN RESTORE 3640:GOSUB 3
370:ORIGIN 260,160:RESTORE 1350:GOTO 435
0
3160 IF rest=6 THEN RESTORE 3650:GOSUB 3
370:ORIGIN 170,60:RESTORE 1390:GOTO 4350
3170 IF rest=7 THEN RESTORE 3660:GOSUB 3
370:ORIGIN 360,-40:RESTORE 1410:GOTO 435
0
3180 IF rest=8 THEN RESTORE 3670:GOSUB 3
370:ORIGIN 400,-230:RESTORE 1440:GOTO 43
50
3190 IF rest=9 THEN RESTORE 3680:GOSUB 3
370:ORIGIN 150,200:RESTORE 1460:GOTO 435
0
3200 IF rest=10 THEN RESTORE 3690:GOSUB
3370:ORIGIN 180,170:RESTORE 1490:GOTO 43
50
3210 IF rest=11 THEN RESTORE 3700:GOSUB
3370:RESTORE 1510:GOTO 4350
3220 IF rest=12 THEN RESTORE 3710:GOSUB
3370:ORIGIN 230,100:RESTORE 1530:GOTO 43
50
3230 IF rest=13 THEN RESTORE 3720:GOSUB
3370:ORIGIN 190,80:RESTORE 1550:GOTO 435
0
3240 IF rest=14 THEN RESTORE 3730:GOSUB
3370:ORIGIN 190,70:RESTORE 1570:GOTO 435
0
3250 IF rest=15 THEN RESTORE 3740:GOSUB
3370:ORIGIN 120,110:RESTORE 1590:GOTO 43
50
3260 IF rest=16 THEN RESTORE 3750:GOSUB
3370:ORIGIN 120,150:RESTORE 1610:GOTO 43
50
3270 IF rest=17 THEN RESTORE 3760:GOSUB
3370:ORIGIN 190,-160:RESTORE 1630:GOTO 4
350
3280 IF rest=18 THEN RESTORE 3770:GOSUB
3370:ORIGIN 190,-130:RESTORE 1660:GOTO 4
350
3290 IF rest=19 THEN RESTORE 3780:GOSUB
3370:ORIGIN 120,-160:RESTORE 1690:GOTO 4
350
3300 IF rest=20 THEN RESTORE 3790:GOSUB
3370:ORIGIN 410,-60:RESTORE 1720:GOTO 43
50
3310 IF rest=21 THEN RESTORE 3800:GOSUB
3370:ORIGIN 480,130:RESTORE 1740:GOTO 43
50
3320 IF rest=22 THEN RESTORE 3810:GOSUB
```

```

3370:ORIGIN 290,20:RESTORE 1750:GOTO 435
0
3330 IF rest=23 THEN RESTORE 3820:GOSUB
3370:ORIGIN 260,-10:RESTORE 1780:GOTO 43
50
3340 IF rest=24 THEN RESTORE 3620:GOSUB
3370:ORIGIN 280,70:RESTORE 1260:GOTO 435
0
3350 IF rest=25 THEN RESTORE 3830:GOSUB
3370:ORIGIN 320,30:RESTORE 1330:GOTO 435
0
3360 IF rest=26 THEN RESTORE 3840:GOSUB
3370:ORIGIN 310,40:RESTORE 1310:GOTO 435
0
3370 READ a$:LOCATE 32,y3:CALL &BB9C:PRI
NT a$:CALL &BB9C:FOR n=1 TO 8:READ a$:y3
=y3+2:LOCATE 32,y3:PRINT a$:NEXT n
3380 RETURN
3390 IF INKEY(47)=0 THEN 3400 ELSE IF IN
KEY(18)=0 THEN 4390 ELSE 3390
3400 CLS#1
3410 y2=1:y3=1
3420 FOR n=1 TO 9:y3=y3+2:LOCATE 32,y3:P
RINT STRING$(21," ");:NEXT n
3430 y2=1:y3=3
3440 GOTO 3100
3450 '----- affichage tableau vi
erge -----
3460 RESTORE 3090
3470 PLOT 6,394,1:DRAW 634,394:DRAW 634,
6:DRAW 6,6:DRAW 6,394
3480 PLOT 2,398,1:DRAW 638,398:DRAW 638,
2:DRAW 2,2:DRAW 2,398
3490 FOR y=374 TO 22 STEP -32:PLOT 50,y,
1:DRAW 420,y:NEXT y
3500 PLOT 50,376:DRAW 422,376:PLOT 50,20
:DRAW 422,20
3510 PLOT 50,374:DRAW 50,22:PLOT 230,374
:DRAW 230,22:PLOT 420,374:DRAW 420,22
3520 PLOT 48,376:DRAW 48,20:PLOT 232,376
:DRAW 232,20:PLOT 422,376:DRAW 422,20
3530 LOCATE 58,18:PRINT"[ENTER] pour gr
aphe"
3540 LOCATE 58,20:PRINT"[ESPACE] pour su
ite"
3550 LOCATE 59,22:PRINT"[ESC] pour fin
"
3560 DATA Nom officiel,Nom courant,Super
ficie en km2,Population,Capitale,Monnaie
,Gdes villes,Religion,Langue
3570 FOR i=1 TO 9:y2=y2+2:READ atl$:LOCA
TE 10,y2:PRINT atl$:NEXT i
3580 RETURN
3590 DATA FRANCE,-,551 000,54 257 000,PA
RIS,franc,Lyon Marseille,catholicisme ro
main,français
3600 DATA ESPAGNE,-,505 000,37 654 000,M
ADRID,peseta,Barcelone Grenade,catholici

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```

sme romain,espagnol
3610 DATA RFA,Allemagne de l'ouest,249 0
00,61 666 000,BONN,mark,Munich Francfort
,protest/catholicisme,allemand
3620 DATA RDA,Allemagne de l'est,107 500
,16 736 000,BERLIN est,mark,Dresde Leipz
ig,protes/catholicisme,allemand
3630 DATA CONFEDER. HELVETIQUE,Suisse,41
000,6 473 000,BERNE,franc,Geneve Zurich
,protest/catholicisme,français/allemand
3640 DATA ITALIE,-,300 000,57 197 000,RO
ME,lire,Venise Naples,catholicisme,itali
en
3650 DATA POLOGNE,-,313 000,35 902 000,V
ARSOVIE,zloty,Gdansk Cracovie,catholicis
me,polonais
3660 DATA ROYAUME UNI,GRANDE BRETAGNE,24
5 000,56 300 000,LONDRES,livre,Belfast G
lasgow,protestantisme,anglais
3670 DATA ISLANDE,-,103 000,231 000,REYK
JAVIK,couronne,-,protestantisme,français
/anglais
3680 DATA GRECE,-,132 000,9 707 000,ATHE
NES,drachme,Corinthe Salonique,catholici
sme,grec
3690 DATA YOUGOSLAVIE,-,256 000,22 516 0
00,BELGRADE,dinar,Sarajevo Zagreb,cathol
icisme,yougoslave
3700 DATA ALBANIE,-,28 500,2 795 000,TIR
ANA,lek,Durazzo,catholicisme,albanais
3710 DATA AUTRICHE,-,84 000,7 510 000,VI
ENNE,schilling,Innsbruck Salzbourg,catho
licisme,autrichien
3720 DATA HONGRIE,-,93 000,10 711 000,BU
DAPEST,forint,Debrecen Szeged,catholicis
me,hongrois
3730 DATA TCHECOSLOVAQUIE,-,130 000,15 3
14 000,PRAGUES,couronne,Bratislava Ostra
va,catholicisme,tcheque
3740 DATA ROUMANIE,-,238 000,22 457 000,
BUCAREST,leu,Arad Galati,catholicisme,ro
main
3750 DATA BULGARIE,-,111 000,8 890 000,S
OFIA,lev,Plovdiv Roustchouk,catholicisme
,bulgare
3760 DATA NORVEGE,-,324 000,4 099 000,OS
LO,couronne,Bergen Molde,protestantisme,
norvégien
3770 DATA SUEDE,-,450 000,8 324 000,STOC
KHOLM,couronne,Karlstat Goteborg,protest
antisme,suedois
3780 DATA FINLANDE,-,337 000,4 801 000,H
ELSINKI,mark,Turku Vaasa,protestantisme,
finnois
3790 DATA IRLANDE,Eire,70 000,3 440 000,
DUBLIN,livre,Cork Limerick,protestantism
e,anglais
3800 DATA PORTUGAL,-,91 600,9 931 000,LI

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SBONNE,escudo,Porto La Corogne,catholici
sme,portugais
3810 DATA PAYS BAS,HOLLANDE,41 200,14 24
6 000,AMSTERDAM,florin,La Haye Rotterdam
,protest/catholicisme,hollandais
3820 DATA DANEMARK,-,43 000,5 122 000,CO
PENHAGUE,couronne,Esbjerg Odense,protest
/catholicisme,danois
3830 DATA LUXEMBOURG,-,2 600,364 000,LUX
EMBOURG,franc,-,catholicisme romain,luxe
mbourgeois
3840 DATA BELGIQUE,-,30 500,9 870 000,B
RUXELLES,franc,Anvers Liege,catholicisme
romain,belge
3850 TAGOFF:RUN 150
3860 RETURN
3870 -----coordonnees sur la carte-----
-----
3880 DATA la france,136,154,Paris,la sui
sse,166,138,Berne,l'italie,186,104,Rome,
l'espagne,56,84,Madrid
3890 DATA le portugal,26,104,Lisbonne,la
gde bretagne,120,234,Londres,la rfa,190
,188,Bonn,l'irlande,76,234,Dublin,la bel
gique,148,190,Bruxelles,la rda,218,190,B
erlin,le luxembourg,164,176,Luxembourg
3900 DATA l'islande,96,374,Reykjavik,les
pays bas,170,206,Amsterdam,la yougoslav
ie,256,104,Belgrade,l'albanie,260,70,Tir
ana,la pologne,266,184,Varsovie,la grece
,266,44,Athenes
3910 DATA l'autriche,216,134,Vienne,la h
ongrie,266,134,Budapest,tchecoslovaquie,
216,164,Prague,la roumanie,306,114,Bucar
est,la bulgarie,306,84,Sofia
3920 DATA la norvege,206,294,Oslo,la sue
de, 256,334,Stockholm,la finlande,296,30
4,Helsinki,le danemark,196,234,Copenhagu
e,999,999,999,999
3930 ----- sp curseur -----
-
3940 PRINT CHR$(23);CHR$(1);
3950 PLOT -2,-2,3
3960 TAG
3970 xcurs=310:ycurs=230
3980 MOVE xcurs,ycurs:PRINT cur$;
3990 FOR tp=1 TO 80:NEXT tp
4000 MOVE xcurs,ycurs:PRINT cur$;
4010 IF INKEY(1)=0 OR JOY(0)=8 THEN xcur
s=xcurs+10
4020 IF INKEY(8)=0 OR JOY(0)=4 THEN xcur
s=xcurs-10
4030 IF INKEY(0)=0 OR JOY(0)=1 THEN ycur
s=ycurs+10
4040 IF INKEY(2)=0 OR JOY(0)=2 THEN ycur
s=ycurs-10
4050 IF INKEY(9)=0 OR JOY(0)=16 OR JOY(0
)=32 THEN TAGOFF:RETURN

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4060 IF JOY(0)=9 THEN xcurs=xcurs+10:ycu
rs=ycurs+10
4070 IF JOY(0)=10 THEN xcurs=xcurs+10:yc
urs=ycurs-10
4080 IF JOY(0)=5 THEN xcurs=xcurs-10:ycu
rs=ycurs+10
4090 IF JOY(0)=6 THEN xcurs=xcurs-10:ycu
rs=ycurs-10
4100 IF xcurs>320 THEN xcurs=320
4110 IF xcurs<20 THEN xcurs=20
4120 IF ycurs>380 THEN ycurs=380
4130 IF ycurs<30 THEN ycurs=30
4140 ENV 1,1,2,1,10,-2,1
4150 SOUND 1,6,0,8,1,0,20
4160 GOTO 3980
4170 IF w=2 THEN CLS#5
4180 LOCATE#1,(16-LEN(message$))/2,2:PRI
NT#1,message$
4190 READ pay$,xp,yp,dd$:IF pay$="999" T
HEN FOR tp=1 TO 1000:NEXT tp:GOTO 1890
4200 IF w=1 THEN LOCATE#1,(16-LEN(pay$))
/2,4:PRINT#1,pay$ ELSE LOCATE#1,(16-LEN(
dd$))/2,4:PRINT#1,dd$
4210 RETURN
4220 -----
4230 IF xcurs>xp-20 AND xcurs<xp+20 AND
ycurs>yp-20 AND ycurs<yp+20 THEN LOCATE#
3,4,1:PRINT#3,"exact":sc=sc+1:IF sc<10 T
HEN LOCATE#2,2,2:PRINT#2,sc:LOCATE#2,2,2
:PRINT#2,"0":GOTO 4250 ELSE LOCATE#2,1,2
:PRINT#2,sc:GOTO 4250
4240 LOCATE#3,4,1:PRINT#3,"faux":sc=sc-1
:IF sc<0 THEN sc=0:LOCATE#2,2,2:PRINT#2,
sc:LOCATE#2,2,2:PRINT#2,"0" ELSE IF sc<1
0 THEN LOCATE#2,2,2:PRINT#2,sc:LOCATE#2,
2,2:PRINT#2,"0" ELSE LOCATE#2,1,2:PRINT#
2,sc
4250 IF w=2 THEN PAPER#5,2:CLS#5:LOCATE#
5,5,2:PRINT#5,"C'etait":LOCATE#5,(16-LEN
(pay$))/2,3:PRINT#5,pay$
4260 FOR n=1 TO 8:FOR tp=1 TO 300:NEXT t
p:INK 2,18:FOR tp=1 TO 300:NEXT tp:INK 2
,13:NEXT n
4270 PAPER#5,1:CLS#3
4280 CLS#1:RETURN
4290 ----- redefinition caracteres -----
-----
4300 SYMBOL 241,255,8,62,95,95,63,128,12
7
4310 SYMBOL 242,128,0,2,2,252,192,0,192
4320 cur$=CHR$(241)+CHR$(242)
4330 SYMBOL 244,240,128,128,128,0,0,0,0
4340 RETURN
4350 -----
4360 READ xa,ya:PLOT xa*2,ya*2,0
4370 READ x,y:IF x=555 THEN 4360 ELSE IF
x=999 THEN 3390 ELSE DRAW x*2,y*2
4380 GOTO 4370

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4390 '----- graphe -----
4400 MODE 2
4410 IF PEEK(43903)=1 THEN INK 0,5:INK 1
,26:PAPER 0:PEN 1:BORDER 10
4420 IF PEEK(43903)=2 THEN INK 0,1:INK 1
,16:PAPER 0:PEN 1:BORDER 3
4430 CLS
4440 x=-2
4450 FOR n=1 TO 18:x=x+46:PLOT x,4,1:DRA
W x,380:NEXT
4460 PLOT 596,198,0:DRAW 596,6
4470 PLOT 0,200,1:DRAW 640,200:PLOT 0,38
0:DRAW 640,380:PLOT 0,4:DRAW 640,4
4480 PLOT 550,100:DRAW 640,100
4490 LOCATE 17,1:PRINT"superficie - popu
lation - densite demographique"
4500 LOCATE 70,15:PRINT"COL.1: SUP."
4510 LOCATE 70,16:PRINT"COL.2: POP."
4520 LOCATE 70,17:PRINT"COL.3: DEN."
4530 LOCATE 72,23:PRINT"[ENTER]"
4540 xd=-1:yd=230
4550 RESTORE 4770
4560 READ x$,h1,h2
4570 IF x$="888" THEN IF INKEY(18)=0 THE
N TAGOFF:RUN 150 ELSE 4570
4580 IF x$="999" THEN xd=-1:yd=28:GOTO 4
560
4590 TAG:MOVE XD+4,YD-6:PRINT X$;
4600 h2=h2*10:h3=h2/h1
4610 h(1)=h1/5:h(2)=h2/50:h(3)=h3*3
4620 FOR h=1 TO 3
4630 xb=xd+(h-1)*14
4640 yb=yd+(h-1)*14
4650 FOR dx=1 TO 4
4660 PLOT xb+dx,yb+dx+h(h),1
4670 IF dx>1 THEN PLOT xb+dx+10,yb+dx,1:
DRAW xb+dx+10,yb+dx+h(h):GOTO 4710
4680 FOR d1=1 TO 10
4690 PLOT xb+dx+d1,yb+dx:DRAW xb+dx+d1,y
b+dx+h(h)
4700 NEXT d1
4710 PLOT xb+dx+1,yb+dx+h(h):DRAW xb+dx+
10,yb+dx+h(h),0
4720 NEXT dx
4730 PLOT xb+dx-1,yb+dx+h(h),0:DRAW xb+d
x-1+10,yb+dx+h(h),1
4740 NEXT h
4750 xd=xd+46:GOTO 4560
4760 '-----donnees pour le graphe-----
4770 DATA fra,551,540, esp,505,370, su
i,41,60, ita,300,570, pol,313,360, r.
u,245,560, isl,103,2.3, gre,132,97, y
ou,256,230, alb,28,27.9, aut,84,75, h
on,93,107, tch,130,153.1, rou,238,224.
5
4780 DATA 999,999,999, bul,111,88.9, n
or,324,40.9, sue,450,89.2, fin,337,48,

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```

ir1,70,34.4, por,91,99.3, hol,41,142
.4, dan,43,51.2, rfa,249,616.6, rda,1
08,167.3, bel,31,98.7, lux,3,2.6, 888
,888,888
4790 '-----melodie-----
4800 RESTORE 5140
4810 EVERY 15,1 GOSUB 4870
4820 EVERY 60,3 GOSUB 4850
4830 EVERY 15,2 GOSUB 4980
4840 a$=INKEY$:IF a$="1" OR a$="2" OR a$
="3" OR a$="4" THEN DI:RETURN ELSE 4840
4850 ENV 1,15,-1,1
4860 SOUND 2,0,15,15,1,0,1
4870 ENV 1,15,-1,1
4880 SOUND 2,0,15,15,1,0,5
4890 RETURN
4900 ENV 2,15,-1,3
4910 SOUND 1,600,45,15,2,0,10
4920 SOUND 4,5,45,15,2,0,1
4930 RETURN
4940 ENV 3,15,-1,5
4950 ENT 1,1,-1,1,2,1,1,1,-1,1
4960 SOUND 2,10,75,15,3,1,10
4970 RETURN
4980 '-----
4990 READ s:IF s=0 THEN RETURN ELSE IF s
=999 THEN RESTORE 5140:GOTO 4990 ELSE 50
90
5000 IF i$="1" THEN s=451
5010 IF i$="2" THEN s=379
5020 IF i$="3" THEN s=358
5030 IF i$="4" THEN s=338
5040 IF i$="5" THEN s=301
5050 IF i$="6" THEN s=284
5060 IF i$="7" THEN s=239
5070 IF i$="8" THEN s=225
5080 IF i$="" THEN RETURN
5090 ENV 1,1,-1,4
5100 ENT 1,10,-1,0,10,1,1
5110 SOUND 1,s,30,14,0,1
5120 SOUND 4,s*2,30,15,0,1
5130 RETURN
5140 DATA 451,0,379,0,301,0,0,451,379,0,
301,301
5150 DATA 451,0,379,0,301,0,0,451,379,0,
301,301
5160 DATA 338,0,284,0,225,0,0,338,284,0,
225,225
5170 DATA 338,0,284,0,225,0,0,338,284,0,
225,225
5180 DATA 451,0,379,0,301,0,0,451,379,0,
301,301
5190 DATA 451,0,379,0,301,0,0,451,379,0,
301,301
5200 DATA 338,0,301,338,338,379,0,451
5210 DATA 999
5220 '-----FIN DU LISTING 2-----

```