

# LISTING N° 1

```
140 MODE 1: BORDER 7: INK 0, 7: INK 1, 7: INK
2, 7: INK 3, 7
150 SYMBOL AFTER 220
160 SYMBOL 240, 0, 0, 7, 31, 127, 255, 255, 255
170 SYMBOL 241, 0, 0, 224, 248, 254, 255, 255, 2
55
180 SYMBOL 243, 255, 127, 191, 207, 112, 63, 31
, 0
190 SYMBOL 244, 255, 254, 253, 243, 14, 252, 24
8, 0
200 SYMBOL 242, 0, 0, 0, 0, 0, 0, 0
210 SYMBOL 245, 0, 0, 0, 0, 0, 0, 0
220 SYMBOL 221, 1, 1, 3, 3, 7, 7, 15, 15
230 SYMBOL 222, 31, 31, 63, 63, 127, 127, 255, 2
55: SYMBOL 223, 128, 128, 192, 192, 224, 224, 24
0, 240: SYMBOL 224, 248, 248, 252, 252, 254, 254
, 255, 255
240 WINDOW #1, 9, 32, 4, 19: PEN 2: AAA$=""
250 HO=9: HA=2: BO=33: FOR I=1 TO 16 STEP 2
: HA=HA+2: HO=HO-1: LOCATE HO, HA: PRINT CHR$
(221): AAA$: : LOCATE HO, HA+1: PRINT CHR$(22
2): AAA$: : LOCATE BO, HA: PRINT AAA$: CHR$(22
3): : LOCATE BO, HA+1: PRINT AAA$: CHR$(224):
: AAA$=AAA$+CHR$(143): NEXT I
260 PAPER #1, 2: CLS #1
270 POH=143: POV=383: P02H=496
280 FOR I=1 TO 9
290 POH=POH-16: POV=POV-32: P02H=P02H+16
300 PLOT POH, POV, 3: DRAW P02H, POV: NEXT I
310 POH=-79: P02H=80
320 FOR I=1 TO 9
330 POH=POH+80: P02H=P02H+48
```

```
340 IF I=1 THEN 360
350 PLOT POH, 93: DRAW P02H, 351
360 NEXT I
370 PLOT I, 96: DRAW 127, 351
380 FOR I=92 TO 80 STEP -1: PLOT I, I: DRAW
640, I: NEXT
390 PRINT CHR$(22)+CHR$(1):
400 A$=CHR$(240)+CHR$(241)+CHR$(242): B$=
CHR$(243)+CHR$(244)+CHR$(245)
410 PEN 1: LOCATE 18, 10: PRINT A$: LOCATE 1
8, 11: PRINT B$:
420 PEN 3: LOCATE 22, 10: PRINT A$: LOCATE 2
2, 11: PRINT B$:
430 PEN 3: LOCATE 18, 12: PRINT A$: LOCATE 1
8, 13: PRINT B$:
440 PEN 1: LOCATE 22, 12: PRINT A$: LOCATE 2
2, 13: PRINT B$:
450 PRINT CHR$(22)+CHR$(0):
460 PEN 1: LOCATE 12, 1: PRINT "*** 3D. OTHE
LLD ***": LOCATE 12, 2: PRINT "-----
-----";
470 PEN 3: LOCATE 10, 22: PRINT "Chargement
en cours...": LOCATE 10, 23: PRINT "-----
-----";
480 LOCATE 5, 25: PRINT CHR$(164); "1987. A
uteur : Didier DRUGMANNE";
490 INK 1, 20: INK 2, 9: INK 3, 0
500 RUN"!
```

# LISTING N° 2

```
10 MODE 1: BORDER 1: INK 0, 1: INK 1, 24: INK
3, 6: DIM MUS(98): DIM SUM(98): DIM MUN(98)
11 PEN 3
12 MODE 0
```

```

13 DATA 119,127,119,106,119,134,142,213,
142,150,142,134,142,159,179,239,179,190,
179,159,179,190,213,239,106,119,134,142,
159,134,239,142
14 DATA 119,127,119,106,119,134,142,213,
142,150,142,134,142,159,179,239,179,190,
179,159,179,190,213,239,106,119,134,142,
159,179
15 DATA 159,142,134,119,106,95,89,95,106
,119,134,142,159,179,142,150,142,134,159
,190,159,179,142,179,106,119,134,142,159
,179,0,0,142,0,0,179
16 RESTORE 13:FOR I=1 TO 98:READ MUS(I):
NEXT I
17 DATA 358,358,358,358,358,358,358,426,
426,426,426,426,426,426,478,478,478,
478,478,478,478,478,478,478,478,478,
379,358,358,358
18 DATA 358,358,358,358,358,358,358,426,
426,426,426,426,426,426,478,478,478,
478,478,478,478,478,478,478,478,478,
379,358
19 DATA 478,478,478,478,478,478,478,358,358,
358,358,358,358,478,478,478,478,319,
379,319,379,358,478,358,478,478,478,478,
478,358,0,0,478,0,0,358
20 RESTORE 17:FOR I=1 TO 98:READ SUM(I):
NEXT I
21 DATA 179,119,142,179,119,142,213,213,
142,179,213,142,179,213,239,239,159,179,
239,159,179,239,239,190,179,239,190,159,
179,119,179
22 DATA 179,179,119,142,179,119,142,213,
213,142,179,213,142,179,213,239,239,159,
179,239,159,179,239,239,190,179,239,190,
159,119,179
23 DATA 239,213,190,159,179,159,142,159,
179,190,213,239,268,142,119,142,119,127,
119,106,119,134,119,142,89,95,106,119,13
4,142,0,0,119,0,0,142
24 RESTORE 21:FOR I=1 TO 98:READ MUN(I):
NEXT I
25 EI:EVERY 10 GOSUB 49
26 PEN 1
27 FOR i=4 TO 16
28 LOCATE i,9:PRINT "*":LOCATE i,15:PRIN
T "*":NEXT i
29 FOR i=9 TO 15
30 LOCATE 16,i:PRINT "*":NEXT i
31 LETT$="OTHELLO":R=13:V=8
32 FOR I=1 TO 7:R=R-1:V=V-1
33 IF I=1 THEN PEN 3
34 IF I=2 THEN PEN 1
35 IF I=7 THEN PEN 3
36 FOR J=1 TO R:B$=MID$(LETT$,V,1)
37 LOCATE J,12:PRINT B$:FOR K=1 TO 100:N
EXT K:LOCATE J,12:PRINT " "
38 NEXT J:LOCATE J,12:PRINT B$
39 NEXT I
40 PEN 1:FOR I=9 TO 15:LOCATE 4,I:PRINT
"*":NEXT I:FOR J=1 TO 300:NEXT J
41 FOR I=1 TO 3:LOCATE 7,12:PRINT " ":LO
CATE 13,12:PRINT " ":FOR J=1 TO 300:NEXT
J:PEN 3:LOCATE 7,12:PRINT "O":LOCATE 13
,12:PRINT "O":FOR J=1 TO 300:NEXT J:NEXT
I
42 R=7:PEN 3:FOR I=2 TO 7:R=R+1
43 FOR J=1 TO 400:NEXT J:LOCATE R,12:PRI
NT MID$(LETT$,I,1)
44 NEXT I
45 FOR I=1 TO 200:NEXT I
46 FOR I=1 TO 750:INK 1,24,6:INK 3,6,24:
NEXT I
47 INK 1,24:INK 3,6
48 DI:GOTO 55
49 SDF=SDF+1:SOUND 1,MUS(SDF),20,6
50 SOUND 2,SUM(SDF),20,6

```

```

51 SOUND 4,MUN(SDF),20,6
52 IF SDF=98 THEN 54
53 RETURN
54 DI:INK 1,24:INK 3,6
55 CLEAR
56 INK 1,24:INK 3,6:MODE 1:PEN 3:LOCATE
12,1:PRINT "*** OTHELLO ***":LOCATE 12,2
:PRINT " "
57 PEN 1:LOCATE 1,5:PRINT "OTHELLO SE JO
UE SUR UN DAMIER DE 8 CASES.
APRES AVOIR CHOISI LA COU- LEUR DE SES P
IONS, CHACUN POSE, A TOUR DE ROLE, UN S
EUL PION SUR LE PLATEAU DE FACON A ENTOU
RER UN OU PLUSIEURS PIONS"
58 LOCATE 1,10:PRINT "ADVERSES. CES PION
S PRENNENT ALORS LA COULEUR DU PION PO
SE.":LOCATE 1,13:PRINT "LE GAGNANT EST
CELUI QUI POSSEDE LE PLUS DE PIONS DE SA
COULEUR A LA FIN DE LA PARTIE."
59 DATA 21,21,9,24,31,18,1,21,34,24,7,18
,40,24,26,24,14,18,40,19,14,24,26,18,4,2
4,37,20,17,21,31,24,11,18,37,24,4,18,20,
24,31,21,17,18,1,24,26,21,9,21,40,21,29,
24,1,18,23,24,37,22,4,21,20,18,3,24,23,1
8,37,18,14,21,22,24,40,18,17,23,2,18,31,
23,9,19,28,24
60 DATA 9,23,39,18,14,19,1,23,31,20,20,2
0,39,24,1,19,22,18,20,23,9,18,40,23,4,22
,26,23,14,22,33,24,17,19,4,20,37,19,14,2
0,1,22,31,19,9,22,37,23,3,18,26,19,15,21
,32,24,2,24,38,18,8,18,26,22,40,22,1,20,
40,20,16,21,38,24,4,19,20,22,17,24,20,19
,4,23,31,22
61 DATA 9,20,17,20,37,21,14,23,27,24,20,
21,10,18,26,20,21,24,17,22,21,18
62 INK 2,19:PEN 2
63 RESTORE 59
64 FOR I=1 TO 97
65 READ A,B:LOCATE A,B:PRINT CHR$(231);
66 FOR J=1 TO 200:NEXT J
67 NEXT I
68 FOR J=1 TO 500:NEXT J
69 INK 2,19,4:FOR J=1 TO 4000:NEXT J
70 MODE 1:BORDER 1:INK 0,1:INK 1,24:INK
3,6
71 PEN 3:LOCATE 12,1:PRINT "*** OTHELLO
***":LOCATE 12,2:PRINT "-----
";
72 PEN 1:LOCATE 3,7:PRINT "(1) -----
DEBUTANT":LOCATE 3,9:PRINT "(2) -----
APPRENTI":LOCATE 3,11:PRINT "(3) ---
--- MOYEN";
73 LOCATE 3,13:PRINT "(4) ----- FORT"
;LOCATE 3,15:PRINT "(5) ----- EXPERI
MENTE":LOCATE 3,17:PRINT "(6) -----
TOURNOI";
74 PEN 3:LOCATE 8,22:PRINT "CHOISISSEZ V
OTRE NIVEAU":LOCATE 8,23:PRINT "-----
";
75 D$=INKEY$:IF D$="" THEN 75
76 IF D$<"1" OR D$>"6" THEN 75
77 PRINT CHR$(7):BORDER 7:INK 0,7:NIV=VA
L(D$)
78 PEN 1:LOCATE 33,22:PRINT NIV;
79 DIM a$(100):DIM e(89):DIM kk(100)
80 pion=4
81 COL$=CHR$(22)+CHR$(1)
82 PRINT COL$;
83 COL1$=CHR$(22)+CHR$(0)
84 kk(45)=2:kk(46)=2:kk(55)=2:kk(56)=2
85 DIM b(8):DIM c(30):DIM td(78):DIM ch(
78)
86 w=1:sk=0:pl=0:lp=0
87 b$="x":c$="*"
88 INK 1,20:INK 2,9:INK 3,0:INK 4,7
89 SYMBOL AFTER 220
90 SYMBOL 250,0,3,15,63,63,127,127,255

```

```

91 SYMBOL 251,0,192,240,252,252,254,254,
255
92 SYMBOL 252,255,127,127,63,63,15,3,0
93 SYMBOL 253,255,254,254,252,252,240,19
2,0
94 SYMBOL 234,0,0,0,1,7,15,15,15
95 SYMBOL 235,0,0,126,255,255,255,255,25
5
96 SYMBOL 236,0,0,0,128,224,240,240,240
97 SYMBOL 237,15,7,11,12,7,3,1,0
98 SYMBOL 238,255,255,255,255,0,255,255,
0
99 SYMBOL 239,240,224,208,48,224,192,128
,0
100 SYMBOL 240,0,0,7,31,127,255,255,255
101 SYMBOL 241,0,0,224,248,254,255,255,2
55
102 SYMBOL 243,255,127,191,207,112,63,31
,0
103 SYMBOL 244,255,254,253,243,14,252,24
8,0
104 SYMBOL 242,0,0,0,0,0,0,0,0
105 SYMBOL 245,0,0,0,0,0,0,0,0
106 SYMBOL 221,1,1,3,3,7,7,15,15
107 SYMBOL 222,31,31,63,63,127,127,255,2
55:SYMBOL 223,128,128,192,192,224,224,24
0,240:SYMBOL 224,248,248,252,252,254,254
,255,255
108 DATA 4,4,4,4,4,4,4,4,4,4
109 DATA 4,20,10,10,10,10,10,10,20,4
110 DATA 4,10,10,10,10,10,10,10,10,4
111 DATA 4,10,10,10,10,10,10,10,10,4
112 DATA 4,10,10,10,x,*,10,10,10,4
113 DATA 4,10,10,10,*,x,10,10,10,4
114 DATA 4,10,10,10,10,10,10,10,10,4
115 DATA 4,10,10,10,10,10,10,10,10,4
116 DATA 4,20,10,10,10,10,10,10,20,4
117 DATA 4,4,4,4,4,4,4,4,4,4
118 DATA 4,4,4,4,4,4,4,4,4,4
119 DATA 4,60,20,30,30,30,30,20,60,4
120 DATA 4,20,20,22,22,22,22,20,20,4
121 DATA 4,30,22,22,22,22,22,22,30,4
122 DATA 4,30,22,22,x,*,22,22,30,4
123 DATA 4,30,22,22,*,x,22,22,30,4
124 DATA 4,30,22,22,22,22,22,22,30,4
125 DATA 4,20,20,22,22,22,22,20,20,4
126 DATA 4,60,20,30,30,30,30,20,60,4
127 DATA 4,4,4,4,4,4,4,4,4,4
128 DATA 4,4,4,4,4,4,4,4,4,4
129 DATA 4,60,15,30,30,30,30,15,60,4
130 DATA 4,15,10,22,22,22,22,10,15,4
131 DATA 4,30,22,25,24,24,25,22,30,4
132 DATA 4,30,22,24,x,*,24,22,30,4
133 DATA 4,30,22,24,*,x,24,22,30,4
134 DATA 4,30,22,25,24,24,25,22,30,4
135 DATA 4,15,10,22,22,22,22,10,15,4
136 DATA 4,60,15,30,30,30,30,15,60,4
137 DATA 4,4,4,4,4,4,4,4,4,4
138 DATA 1,-1,10,-10,11,-11,9,-9
139 DATA 119,127,119,106,119,134,142,213
,142,150,142,134,142,159,179,239,179,190
,179,159,179,190,213,239,106,119,134,142
,159,179
140 DATA 9,12,15,18,21,25,28,31,0
141 DATA 0,8,11,15,18,22,25,28,31,0
142 DATA 0,7,11,14,18,22,25,29,32,0
143 DATA 0,6,10,14,18,22,26,29,33,0
144 DATA 0,6,10,14,18,22,26,30,34,0
145 DATA 0,5,9,13,18,22,26,30,35,0
146 DATA 0,4,9,13,18,22,27,31,36,0
147 DATA 0,3,8,13,18,22,27,31,36
148 DATA 240,240,234,234,234,240,240,240
,0
149 DATA 0,234,234,240,240,240,240,234,2
34,0
150 DATA 0,234,240,234,240,240,234,240,2
34,0
151 DATA 0,234,234,234,240,240,240,234,2
34,0
152 DATA 0,240,240,240,240,240,240,240,2
34,0
153 DATA 0,240,234,234,240,240,234,234,2
40,0
154 DATA 0,240,240,234,240,240,240,240,2
40,0
155 DATA 0,234,234,240,240,240,240,234,2
34
156 IF NIV=1 OR NIV=2 THEN RESTORE 108
157 IF NIV=3 OR NIV=4 THEN RESTORE 118
158 IF NIV=5 OR NIV=6 THEN RESTORE 128
159 FOR I=1 TO 100
160 READ a$(i)
161 NEXT i
162 RESTORE 138:FOR i=1 TO 8
163 READ b(i)
164 NEXT i
165 FOR i=1 TO 30
166 READ c(i)
167 NEXT i
168 FOR i=1 TO 78
169 READ td(i)
170 NEXT i
171 FOR i=1 TO 78
172 READ ch(i)
173 NEXT i
174 MODE 1
175 cmpt=0
176 CLS
177 PEN 2:LOCATE 12,2:PRINT "*** OTHELLO
***";:LOCATE 12,3:PRINT "-----
";
I78 PEN 3:LOCATE 3,11:PRINT "1) Plateau
3 dimensions"
179 LOCATE 3,15:PRINT "2) Plateau 2 dim
ensions"
180 v$=INKEY$:IF v$="" THEN 180
181 PRINT CHR$(7)
182 IF v$="1" THEN zz=1:cc=1:CLS:GOTO 43
6
183 IF v$="2" THEN zz=0:CLS:GOTO 485
184 GOTO 180
185 INK 2,7:INK 3,7:WINDOW #1,1,25,1,25:
PAPER #1,2:CLS #1
186 FOR I=400 TO 394 STEP -1:PLOT 1,I:DR
AW 400,I,4:PLOT I,1:DRAW I,400:NEXT I
187 FOR I=1 TO 6:PLOT 1,I:DRAW 400,I,4:P
LOT I,1:DRAW I,400:NEXT I
188 FOR i=8 TO 392 STEP 48
189 PLOT i,8:DRAW i,390,3
190 NEXT i
191 FOR i=8 TO 392 STEP 48
192 PLOT 8,i:DRAW 392,i
193 NEXT i
194 INK 2,9:INK 3,0
195 PEN 2:LOCATE 29,2:PRINT "* OTHELLO *
"
196 LOCATE 29,3:PRINT "-----"
197 IF co=1 THEN k$="*":n$="x"
198 IF co=2 THEN k$="x":n$="*"
199 IF co=1 THEN PEN 3
200 IF co=2 THEN PEN 1
201 PRINT col1$::LOCATE 30,5:PRINT "VOUS
AVEZ"
202 IF co=1 THEN LOCATE 30,7:PRINT "LES
NOIRS ";
203 IF co=2 THEN LOCATE 30,7:PRINT "LES
BLANCS";
204 IF ii=1 THEN GOSUB 321:GOTO 283
205 IF co=1 THEN 284
206 b$=k$:c$=n$:q=0:vb=0:tt=0
207 IF zz=1 THEN 211
208 FOR i=20 TO 24
209 LOCATE 29,i:PRINT SPC(12)

```

```

210 NEXT i
211 IF co=1 THEN PEN 1
212 IF co=2 THEN PEN 3
213 IF zz=1 THEN LOCATE 4,24:PRINT "JE R
EFLECHIS"
214 IF zz=0 THEN LOCATE 29,12:PRINT "JE
REFLECHIS"
215 IF zz=0 THEN LOCATE 32,14:PRINT "*"
*"
216 sk=sk+1:bn=0
217 cmpt=cmpt+1
218 IF cmpt=1 AND co=2 THEN 589
219 IF cmpt<3 THEN ccc=34:ppp=67:GOTO 22
1
220 ccc=12:ppp=89
221 FOR i=ccc TO ppp
222 IF cmpt>=3 THEN 225
223 cmpt%=STR$(i)
224 IF VAL(RIGHT$(cmpt%,1))<4 OR VAL(RIG
HT$(cmpt%,1))>7 THEN 241
225 IF a$(i)=b$ OR a$(i)=c$ OR a$(i)="4"
THEN 241
226 FOR f=1 TO 8
227 r=0:s=0:m=0
228 FOR g=1 TO 8
229 s=s+b(f)
230 IF a$(i+s)=c$ THEN m=1:GOTO 234
231 IF a$(i+s)<>b$ THEN 234
232 r=r+1
233 NEXT g
234 IF m=1 AND r>0 THEN bn=1:lp=0
235 IF niv=1 OR niv=3 OR niv=5 THEN 237
236 IF m=1 AND r>0 AND sk<19 THEN e(i)=
e(i)-r:GOTO 238
237 IF m=1 AND r>0 THEN e(i)=e(i)+r
238 NEXT f
239 IF e(i)<>0 THEN e(i)=e(i)+VAL(a$(i))
240 IF e(i)>e(w) THEN w=i
241 NEXT i
242 IF co=1 THEN PEN 1
243 IF co=2 THEN PEN 3
244 IF bn=0 THEN pl=1:IF zz=0 THEN LOCAT
E 29,12:PRINT " JE PASSE ":LOCATE 32,1
4:PRINT " ":SOUND 1,956,100,7:FOR y=
1 TO 2000:NEXT y:LOCATE 29,12:PRINT "
":IF lp=1 THEN 348 ELSE 278
245 IF bn=0 THEN pl=1:IF zz=1 THEN LOCAT
E 4,24:PRINT " JE PASSE ":SOUND 1,956
,100,7:FOR y=1 TO 2000:NEXT y:IF lp=1 TH
EN 348 ELSE 278
246 GOSUB 336
247 IF zz=0 THEN LOCATE 29,12:PRINT "
"
248 IF zz=0 THEN LOCATE 32,14:PRINT "
"
249 IF co=1 THEN PEN 1
250 IF co=2 THEN PEN 3
251 IF zz=0 THEN LOCATE 31,12:PRINT "JE
JOUÉ":LOCATE 34,14:PRINT y$:x$:SOUND 1,6
0,100,4
252 IF zz=1 THEN LOCATE 4,24:PRINT " JE
JOUÉ ":LOCATE 14,24:PRINT y$:x$:SOUND 1
,60,100,4
253 a$(w)=c$:kk(w)=2
254 IF zz=0 THEN GOSUB 321
255 IF zz=1 THEN GOSUB 437
256 FOR i=12 TO 89
257 e(i)=0
258 NEXT i
259 FOR f=1 TO 8
260 s=0:m=0:t=0:r=0:pl=0
261 FOR g=1 TO 8
262 s=s+b(f)
263 IF a$(w+s)=c$ THEN m=1:GOTO 272
264 IF a$(w+s)<>b$ THEN 272
265 r=r+1
266 IF t=1 AND q=1 AND fg=1 AND zz=0 THE

```

```

N a$(w)=c$:kk(w)=2:GOSUB 321
267 IF tt=1 THEN 269
268 IF t=1 AND q=1 AND fg=1 AND zz=1 THE
N a$(w)=c$:kk(w)=2:tt=1:GOSUB 437
269 IF t=1 AND zz=0 THEN vb=1:a$(w+s)=c$
:kk(w+s)=2:GOSUB 321
270 IF t=1 AND zz=1 THEN vb=1:a$(w+s)=c$
:kk(w+s)=2:GOSUB 437
271 NEXT g
272 IF m=1 AND r>0 THEN t=1:m=0:r=0:s=0:
GOTO 261
273 NEXT f
274 IF vb=0 AND q=1 THEN GOTO 283
275 IF vb=1 AND q=1 AND zz=0 THEN a$(w)=
c$:kk(w)=2:GOSUB 321
276 IF tt=1 THEN 278
277 IF vb=1 AND q=1 AND zz=1 THEN a$(w)=
c$:kk(w)=2:tt=1:GOSUB 437
278 IF a$(w)=c$ THEN pion=pion+1
279 IF pion=64 THEN 348
280 IF q=1 THEN 206
281 IF cmpt=1 OR cmpt=2 THEN 283
282 GOTO 414
283 IF zz=0 THEN LOCATE 31,12:PRINT "
":LOCATE 34,14:PRINT " "
284 GOSUB 410
285 IF co=1 THEN PEN 3
286 IF co=2 THEN PEN 1
287 IF zz=0 THEN LOCATE 31,12:PRINT " A
VOUS ":LOCATE 34,14:PRINT " "
288 IF zz=1 THEN LOCATE 4,24:PRINT SPC(1
5):LOCATE 4,24:PRINT " A VOUS "
289 v%=INKEY$:IF v%="" THEN 289
290 IF UPPER$(v%)="V" THEN CLS:RUN
291 IF UPPER$(v%)="Z" OR UPPER$(v%)="S"
OR UPPER$(v%)="X" THEN g%=UPPER$(v%):GOT
O 302
292 IF UPPER$(v%)<"A" OR UPPER$(v%)>"H"
THEN 289
293 PRINT CHR$(7)
294 c1%=v%:IF zz=0 THEN LOCATE 34,14:PRI
NT UPPER$(c1%)
295 IF zz=1 THEN LOCATE 12,24:PRINT UPPE
R$(c1%)
296 v%=INKEY$:IF v%="" THEN 296
297 IF v%<"1" OR v%>"8" THEN 287
298 PRINT CHR$(7)
299 c2%=v%:IF zz=0 THEN LOCATE 35,14:PRI
NT UPPER$(c2%)
300 IF zz=1 THEN LOCATE 13,24:PRINT UPPE
R$(c2%)
301 g%=c1%+c2%
302 ii=0:pc=0
303 IF g%="S" AND zz=0 THEN GOTO 392
304 IF g%="S" AND zz=1 AND hh=1 THEN 287
305 IF zz=1 AND g%="S" THEN 529
306 IF zz=1 AND g%="Z" THEN ii=1:hh=0:zz
=0:CLS:GOTO 185
307 IF zz=0 AND g%="Z" THEN zz=1:rg=0:CL
S:GOTO 548
308 IF g%="X" AND zz=0 AND rg=1 THEN GOS
UB 399:GOTO 572
309 IF g%="X" AND zz=0 AND rg=0 THEN 572
310 IF g%="X" AND zz=1 AND hh=1 THEN GOS
UB 539:GOTO 572
311 IF g%="X" AND zz=1 AND hh=0 THEN 572
312 GOSUB 343
313 fg=1
314 IF w<12 OR w>89 THEN 283
315 IF a$(w)=b$ OR a$(w)=c$ THEN 283
316 vb=0
317 b%=n%:c%=k%:q=1
318 IF rg=1 THEN GOSUB 399
319 IF hh=1 THEN GOSUB 539
320 GOTO 259
321 l=9

```

```

322 FOR y=2 TO 23 STEP 3
323 l=1+2
324 FOR x=2 TO 23 STEP 3
325 l=1+1
326 IF ii=1 THEN 328
327 IF kk(1)<>2 THEN 331
328 LOCATE x,y:PRINT COL$;:IF a$(1)="x"
THEN PEN 1:PRINT CHR$(250);CHR$(251):LOC
ATE x,y+1:PRINT CHR$(252);CHR$(253)
329 LOCATE x,y:IF a$(1)="*" THEN PEN 3:P
RINT CHR$(250);CHR$(251):LOCATE x,y+1:PR
INT CHR$(252);CHR$(253)
330 kk(1)=4
331 NEXT x
332 NEXT y
333 PRINT COL1$;
334 fg=0
335 RETURN
336 w$=STR$(w)
337 x$=MID$(w$,2,1)
338 FOR i=2 TO 9
339 IF RIGHT$(w$,1)=CHR$(48+i) THEN 341
340 NEXT i
341 y$=CHR$(63+i)
342 RETURN
343 c1$=UPPER$(c1$)
344 xxx=ASC(c1$)-63
345 z$=c2$+STR$(xxx)
346 w=VAL(z$)
347 RETURN
348 m=0:f=0
349 IF zz=1 THEN 354
350 FOR i=8 TO 24
351 LOCATE 28,i:PRINT SPC(13)
352 NEXT i
353 GOTO 357
354 FOR i=21 TO 25
355 LOCATE 22,i:PRINT SPC(18)
356 NEXT i
357 FOR i=12 TO 89
358 IF a$(i)="*" THEN m=m+1
359 IF a$(i)="x" THEN f=f+1
360 NEXT i
361 IF zz=0 THEN PEN 3:LOCATE 30,12:PRIN
T "NOIRS=";m:LOCATE 30,14:PEN 1:PRINT "
BLANCS=";f
362 IF zz=1 THEN PEN 3:LOCATE 4,22:PRINT
"NOIRS=";m:PEN 1:LOCATE 4,24:PRINT "BL
ANCS=";f;" "
363 PEN 3
364 IF zz=0 AND co=1 AND m>f THEN LOCATE
30,17:PRINT "J'AI PERDU"
365 IF zz=1 AND co=1 AND m>f THEN LOCATE
29,22:PRINT "J'AI PERDU"
366 IF zz=0 AND co=2 AND f>m THEN LOCATE
30,17:PRINT "J'AI PERDU"
367 IF zz=1 AND co=2 AND f>m THEN LOCATE
29,22:PRINT "J'AI PERDU"
368 IF zz=0 AND co=1 AND f>m THEN LOCATE
30,17:PRINT "J'AI GAGNE"
369 IF zz=1 AND co=1 AND f>m THEN LOCATE
29,22:PRINT "J'AI GAGNE"
370 IF zz=0 AND co=2 AND m>f THEN LOCATE
30,17:PRINT "J'AI GAGNE"
371 IF zz=1 AND co=2 AND m>f THEN LOCATE
29,22:PRINT "J'AI GAGNE"
372 IF zz=0 AND m=f THEN LOCATE 31,17:PR
INT "EGALITE"
373 IF zz=1 AND m=f THEN LOCATE 29,22:PR
INT "EGALITE"
374 PEN 1
375 IF zz=0 THEN LOCATE 30,20:PRINT "UNE
AUTRE ?"
376 IF zz=1 THEN LOCATE 29,24:PRINT "UNE
AUTRE ?"
377 IF zz=0 THEN LOCATE 33,22:PRINT "(O/
N)"
378 IF zz=1 THEN LOCATE 32,25:PRINT "(O/
N)"
379 SOUND 2,358,145,7
380 SOUND 2,426,155,7
381 SOUND 2,478,260,7
382 SOUND 2,379,23,7
383 SOUND 2,358,23,7
384 FOR i=1 TO 30
385 SOUND 1,c(i),20,7
386 NEXT i
387 SOUND 1,179,8,7
388 v$=INKEY$:IF v$="" THEN 388
389 IF v$="o" OR v$="0" THEN CLS:RUN 70
390 IF v$="n" OR v$="N" THEN CLS:RUN
391 GOTO 388
392 RG=1
393 PEN 3
394 RR=0:TAG:FOR I=372 TO 36 STEP -48
395 RR=RR+1:MOVE 400,I:PRINT RR;:NEXT I:
TAGOFF
396 RR=64:PEN 1
397 TAG:FOR I=26 TO 402 STEP 48:RR=RR+1:
MOVE I,398:PRINT CHR$(RR);:NEXT I:TAGOFF
398 GOTO 283
399 LOCATE 2,1:PRINT COL1$;:PRINT SPC(24
)
400 FOR I=384 TO 391:PLOT 10,I:DRAW 392,
I,2:NEXT I
401 PLOT 8,392:DRAW 392,392,3
402 FOR i=8 TO 392 STEP 48
403 PLOT i,8:DRAW i,390,3
404 NEXT i
405 FOR i=2 TO 24
406 LOCATE 27,i:PRINT " "
407 NEXT i
408 rg=0
409 RETURN
410 IF co=1 THEN PEN 3
411 IF co=2 THEN PEN 1
412 IF zz=0 THEN LOCATE 29,21:PRINT "FIN
.PAR : V";:LOCATE 29,22:PRINT "LET&CHI :
S";:LOCATE 29,23:PRINT "PLAT.3D : Z";:L
OCATE 29,24:PRINT "CH.COUL : X";
413 RETURN
414 b$=n$:c$=k$
415 FOR i=12 TO 89
416 IF a$(i)="*" OR a$(i)="x" OR a$(i)="
4" THEN 427
417 FOR f=1 TO 8
418 r=0:s=0:pt=0
419 FOR g=1 TO 8
420 s=s+b(f)
421 IF a$(i+s)=c$ THEN pt=1:GOTO 425
422 IF a$(i+s)<>b$ THEN 425
423 r=r+1
424 NEXT g
425 IF pt=1 AND r>0 THEN p1=0:GOTO 283
426 NEXT f
427 NEXT i
428 lp=1
429 IF co=1 THEN PEN 3
430 IF co=2 THEN PEN 1
431 IF zz=0 THEN LOCATE 29,12:PRINT "
":LOCATE 34,14:PRINT " "
432 IF zz=0 THEN LOCATE 29,13:PRINT "VOU
S PASSEZ":SOUND 1,956,200,7:FOR j=1 TO 2
000:NEXT j:LOCATE 29,13:PRINT " "
433 IF zz=1 THEN LOCATE 4,24:PRINT "VOUS
PASSEZ ":SOUND 1,956,200,7:FOR j=1 TO 2
000:NEXT j:LOCATE 4,24:PRINT " "
434 IF p1=1 THEN 348
435 GOTO 206
436 IF cc=1 THEN GOSUB 457
437 yy=2:rr=0:df=11:PRINT col$;

```

```

438 FOR aa=1 TO 8
439 yy=yy+2
440 FOR bb=1 TO 10
441 rr=rr+1:df=df+1
442 IF cc=0 AND kk(df)<>2 THEN 451
443 IF cc=1 AND a$(df)<>"*" AND a$(df)<>
"x" THEN 451
444 qw=ch(rr):x=td(rr)
445 IF a$(df)="x" THEN PEN 1
446 IF a$(df)="*" THEN PEN 3
447 LOCATE x,yy:PRINT CHR$(qw);CHR$(qw+1
);CHR$(qw+2);
448 LOCATE x,yy+1:PRINT CHR$(qw+3);CHR$(
qw+4);CHR$(qw+5);
449 kk(df)=4
450 IF cc=0 THEN 453
451 NEXT bb
452 NEXT aa
453 fg=0
454 PRINT col1$;
455 IF cc=1 THEN 517
456 RETURN
457
458 REM dessin 3 d
459 WINDOW #1,9,32,4,19:PEN 2:AAA$=""
460 INK 3,7:INK 2,7
461 HO=9:HA=2:BO=33:FOR I=1 TO 16 STEP 2
:HA=HA+2:HO=HO-1:LOCATE HO,HA:PRINT CHR$(
(221));AAA$;:LOCATE HO,HA+1:PRINT CHR$(22
2);AAA$;:LOCATE BO,HA:PRINT AAA$;CHR$(22
3);:LOCATE BO,HA+1:PRINT AAA$;CHR$(224);
:AAA$=AAA$+CHR$(143):NEXT I
462 PAPER #1,2:CLS #1
463 POH=143:POV=383:PO2H=496
464 FOR I=1 TO 9
465 POH=POH-16:POV=POV-32:PO2H=PO2H+16
466 PLOT POH,POV,3:DRAW PO2H,POV:NEXT I
467 POH=-79:PO2H=80
468 FOR I=1 TO 9
469 POH=POH+80:PO2H=PO2H+48
470 IF I=1 THEN 472
471 PLOT POH,93:DRAW PO2H,351
472 NEXT I
473 PLOT 1,96:DRAW 127,351
474 FOR I=92 TO 80 STEP -1:PLOT 1,I:DRAW
640,I:NEXT
475 INK 3,0:INK 2,9
476 RETURN
477 IF co=1 THEN PEN 3
478 IF co=2 THEN PEN 1
479 IF co=1 THEN LOCATE 22,22:PRINT "Vou
s avez les N"
480 IF co=2 THEN LOCATE 22,22:PRINT "Vou
s avez les B"
481 LOCATE 22,23:PRINT "Coordonnees :
S"
482 LOCATE 22,24:PRINT "Chang.couleur :
X"
483 LOCATE 22,25:PRINT "Autre plateau :
Z":cc=0
484 IF co=1 THEN 288 ELSE 206
485 PEN 2
486 INK 2,7:INK 3,7:WINDOW #1,1,25,1,25:
PAPER #1,2:CLS #1
487 FOR I=400 TO 394 STEP -1:PLOT 1,I:DR
AW 400,I,4:PLOT I,1:DRAW I,400:NEXT I
488 FOR I=1 TO 6:PLOT 1,I:DRAW 400,I,4:P
LOT I,1:DRAW I,400:NEXT I
489 FOR i=8 TO 392 STEP 48
490 PLOT i,8:DRAW i,390,3
491 NEXT i
492 FOR i=8 TO 392 STEP 48
493 PLOT 8,i:DRAW 392,i
494 NEXT i
495 INK 2,9:INK 3,0
496 GOSUB 321
497 PEN 2:LOCATE 29,2:PRINT "* OTHELLO *
"

```

```

498 LOCATE 29,3:PRINT "
499 PEN 2:LOCATE 29,8:PRINT "PRENEZ VOUS
"
500 PEN 3:LOCATE 29,10:PRINT " LES NOIRS
"
501 PEN 2:LOCATE 34,12:PRINT "OU"
502 PEN 1:LOCATE 29,14:PRINT "LES BLANCS
?"
503 PEN 2:LOCATE 34,16:PRINT "***"
504 PEN 3:LOCATE 30,20:PRINT "(les noirs
"
505 LOCATE 30,22:PRINT "commencent)"
506 b$="x":c$=""
507 v$=INKEY$:IF v$="" THEN 507
508 IF v$="n" OR v$="N" THEN co=1:GOTO 5
11
509 IF v$="b" OR v$="B" THEN co=2:GOTO 5
11
510 GOTO 507
511 FOR i=4 TO 24
512 LOCATE 28,i:PRINT SPC(13)
513 NEXT i
514 IF co=1 THEN k$="*":n$="x"
515 IF co=2 THEN k$="x":n$="*"
516 GOTO 195
517 PEN 2:LOCATE 2,23:PRINT "VOULEZ-VOUS
"
518 LOCATE 14,23:PEN 3:PRINT "LES NOIRS
"
519 LOCATE 24,23:PEN 2:PRINT "OU "
520 LOCATE 27,23:PEN 1:PRINT "LES BLANCS
?"
521 PEN 3:LOCATE 8,25:PRINT "(Les noirs
commencent...)"
522 v$=INKEY$:IF v$="" THEN 522
523 IF v$="n" OR v$="N" THEN co=1:k$="*"
:n$="x":GOTO 526
524 IF v$="b" OR v$="B" THEN co=2:k$="x"
:n$="*":GOTO 526
525 GOTO 522
526 LOCATE 2,23:PRINT SPC(38):LOCATE 8,2
5:PRINT SPC(26)
527 GOTO 477
528 GOTO 288
529 PEN 3:LOCATE 10,2:PRINT "A B C D
E F G H"
530 RR=0:X=101:PRINT CHR$(23)+CHR$(1);
531 PLOT -2,-2,3:TAG:FOR I=344 TO 120 ST
EP -32
532 RR=RR+1:X=X-15:MOVE X,I:PRINT RR;
533 NEXT I:TAGOFF
534 PRINT CHR$(23)+CHR$(0);
535 PLOT 11,113,3:PLOT 11,110:PLOT 9,110
:PLOT 9,108
536 hh=1
537 PLOT 1,96:DRAW 127,351,3
538 GOTO 285
539 LOCATE 10,2:PRINT SPC(22)
540 X=101:RR=0:PRINT CHR$(23)+CHR$(1);
541 TAG:FOR I=344 TO 120 STEP -32
542 RR=RR+1:X=X-15:MOVE X,I:PRINT RR;
543 TAGOFF:PRINT CHR$(23)+CHR$(0);:PLOT
1,96:DRAW 127,351,3:PRINT CHR$(23)+CHR$(
1);:TAG
544 NEXT I:TAGOFF
545 PRINT CHR$(23)+CHR$(0);:PLOT 11,113,
2:PLOT 11,110:PLOT 9,110:PLOT 9,108
546 hh=0
547 RETURN
548 GOSUB 458
549 yy=2:rr=0:df=11
550 PRINT COL$;
551 FOR aa=1 TO 8
552 yy=yy+2
553 FOR bb=1 TO 10
554 rr=rr+1:df=df+1
555 IF a$(df)<>"x" AND a$(df)<>"*" THEN

```

```
561
556 qw=ch(rr):x=td(rr)
557 IF a$(df)="x" THEN PEN 1
558 IF a$(df)="*" THEN PEN 3
559 LOCATE x,yy:PRINT CHR$(qw);CHR$(qw+1);CHR$(qw+2)
560 LOCATE x,yy+1:PRINT CHR$(qw+3);CHR$(qw+4);CHR$(qw+5)
561 NEXT bb
562 NEXT aa
563 PRINT COL1$;
564 IF co=1 THEN PEN 3
565 IF co=2 THEN PEN 1
566 IF co=1 THEN LOCATE 22,22:PRINT "Vous avez les N"
567 IF co=2 THEN LOCATE 22,22:PRINT "Vous avez les B"
568 LOCATE 22,23:PRINT "Coordonnees : S"
569 LOCATE 22,24:PRINT "Chang.couleur : X"
570 LOCATE 22,25:PRINT "Autre plateau : Z":cc=0
571 GOTO 283
572 IF co=1 THEN co=2:GOTO 574
573 IF co=2 THEN co=1
574 IF co=1 THEN k$="*":n$="x"
575 IF co=2 THEN k$="x":n$="*"
```

```
576 IF zz=1 THEN 582
577 IF co=1 THEN PEN 3:LOCATE 30,5:PRINT "VOUS AVEZ"
578 IF co=2 THEN PEN 1:LOCATE 30,5:PRINT "VOUS AVEZ"
579 IF co=1 THEN PEN 3:LOCATE 30,7:PRINT "LES NOIRS "
580 IF co=2 THEN PEN 1:LOCATE 30,7:PRINT "LES BLANCS"
581 GOTO 206
582 IF co=1 THEN PEN 3:LOCATE 22,22:PRINT "Vous avez les N"
583 IF co=2 THEN PEN 1:LOCATE 22,22:PRINT "Vous avez les B"
584 LOCATE 22,23:PRINT "Coordonnees : S"
585 LOCATE 22,24:PRINT "Chang.couleur : X"
586 LOCATE 22,25:PRINT "Autre plateau : Z":cc=0
587 GOTO 206
588 END
589 tirage=INT(RND*4+1)
590 IF tirage=1 THEN w=57
591 IF tirage=2 THEN w=35
592 IF tirage=3 THEN w=44
593 IF tirage=4 THEN w=66
594 GOTO 246
```