LES OUVERTURES

(6128)

Comme le titre semble l'indiquer, ce logiciel éducatif concerne les échecs et se propose d'enseigner les ouvertures aux Kasparov en herbe. Le menu général propose les options suivantes :

1 - Les ouvertures : sélection d'une ouverture en entrant son numéro. Les pions se déplacent et la notation des coups se réalise automatiquement.

2 - Voir une partie : visualisation d'une partie préalablement enregistrée par l'option 3.

3 - Entrer une partie : entrée du nom de la partie, du nombre de coups sous la forme (par exemple) E2 (coordonnées case départ), E4 (coordonnées case d'arrivée) et du nom de sauvegarde.

Programmation

VARIABLES

CAS (x,y) : contenu de la case de coordonnées x,y
= 0 : case vide
= 1 : pion
= 2 : tour
= 3 : cavalier
= 4 : fou
= 5 : reine
= 6 : roi

X1, Y1 XX1, YY1 : coordonnées départ
X2, Y2 XX2, YY2 : coordonnées arrivée

TYP : type de données à lire
= 0 : ouverture
= 1 : partie sauvegardée

la defense petroff ou defense russe

NB$: chaîne contenant le numéro du coup

A : type de coup
= 0 : coup normal
= 1 : prise
= 2 : petit roque
= 3 : grand roque

NM$: nom du fichier

LNG : nombre de coups

BL$, NR$: coups avant analyse

I, J, W : indices de boucles

PROGRAMMES

Lignes 10 à 120 : redéfinition des caractères
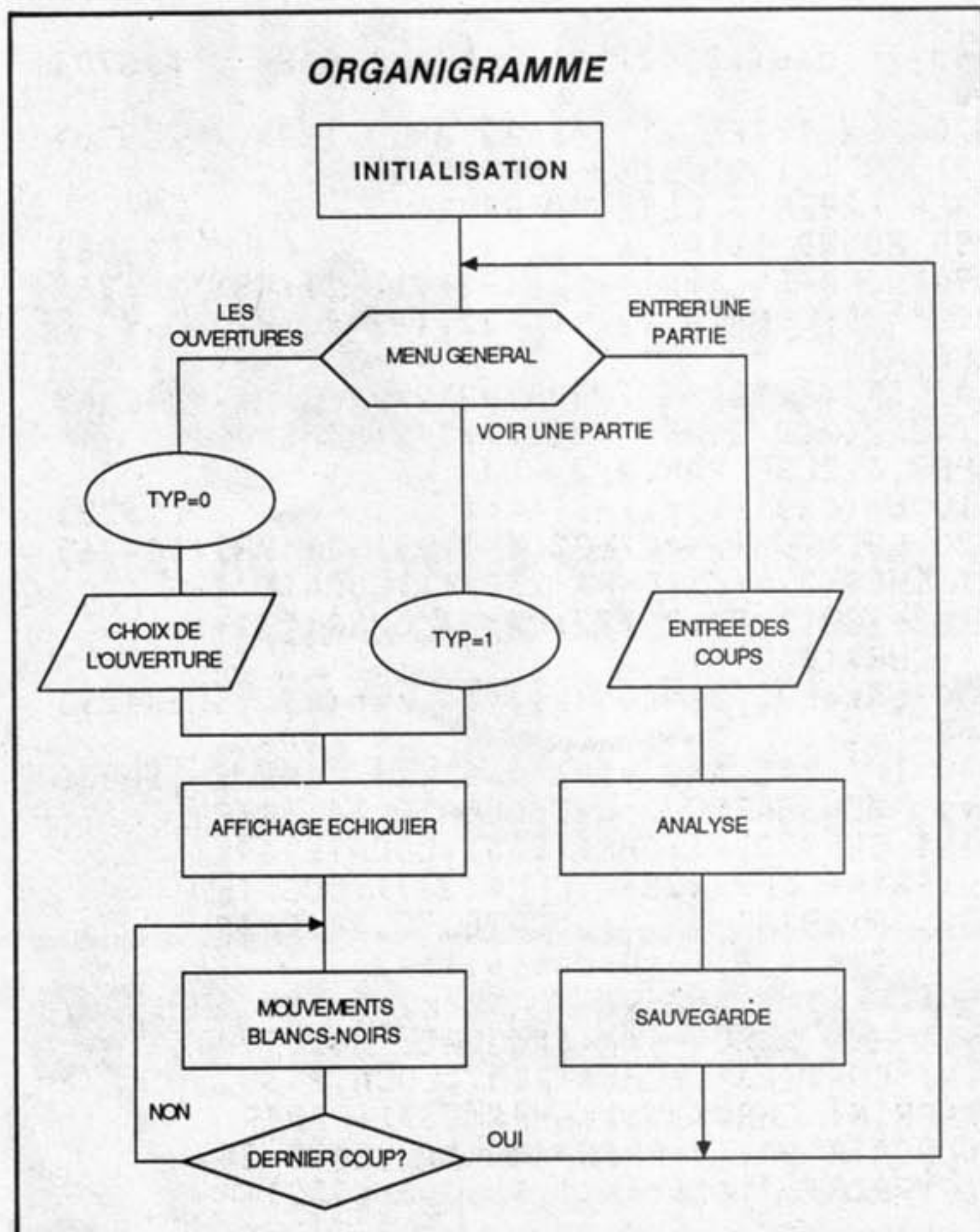Lignes 130 à 480 : affichage échiquier
Lignes 490 à 870 : lecture et analyse de chaque coup
Lignes 880 à 3810 : données des ouvertures
Lignes 3820 à 4260 : menu général et ouvertures
Lignes 4270 à 4530 : analyse et sauvegarde

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ORGANIGRAMME

INITIALISATION

LES OUVERTURES — MENU GENERAL — ENTRER UNE PARTIE

VOIR UNE PARTIE

TYP=0

CHOIX DE L'OUVERTURE

TYP=1

ENTREE DES COUPS

AFFICHAGE ECHIQUIER

ANALYSE

MOUVEMENTS BLANCS-NOIRS

SAUVEGARDE

NON

DERNIER COUP?

OUI

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10 DATA 0,3,7,15,31,31,31,15,0,192, [4260]
224,240,248,248,248,240,7,3,3,7,15,
31,63,0,224,192,192,224,240,248,252
,0
20 DATA 0,102,102,102,127,63,31,15, [6193]
0,102,102,102,254,252,248,240,15,15
,15,15,31,63,127,0,240,240,240,240,
248,252,254,0
30 DATA 0,3,7,15,31,63,63,63,0,192, [4895]
224,240,240,248,248,252,31,15,7,15,
31,63,127,0,220,200,224,240,248,252
,254,0
40 DATA 0,1,3,7,15,31,31,15,0,128,1 [4758]
92,192,144,56,120,240,7,3,7,15,31,6
3,127,0,224,192,224,240,248,252,254
,0
50 DATA 1,3,63,31,15,15,15,15,128,1 [6036]
92,252,248,240,240,240,240,15,15,15
,15,31,63,127,0,240,240,240,240,248
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,252,254,0
60 DATA 3,7,15,7,3,1,127,63,192,224    [4922]
,240,224,192,128,254,252,31,15,15,1
5,31,63,127,0,248,240,240,240,248,2
52,254,0
70 SYMBOL AFTER 230                     [1434]
80 FOR i=230 TO 253                     [654]
90 READ a,b,c,d,e,f,g,h                 [1684]
100 SYMBOL i,a,b,c,d,e,f,g,h            [1678]
110 NEXT                                [350]
120 GOSUB 3820                          [1005]
130 FOR i=1 TO 8:FOR j=1 TO 8:cas(i     [2908]
,j)=0:NEXT j,i
140 MODE 1:INK 0,0:BORDER 0:INK 1,2     [5072]
6:INK 2,15:INK 3,3:LOCATE 8,12:INPU
T "vitesse ",v:v=v*200:CLS
150 WINDOW #2,2,17,3,22                 [1270]
160 PAPER 2:PEN 3                       [858]
170 FOR i=5 TO 20 STEP 4                [1147]
180 FOR w=0 TO 1                        [664]
190 FOR x=24 TO 39 STEP 4               [995]
200 LOCATE x,i+w:PRINT "  ";CHR$(14     [2911]
3);CHR$(143)
210 LOCATE x,i+w+2:PRINT CHR$(143);     [2256]
CHR$(143);"  "
220 NEXT x,w,i                          [827]
230 GRAPHICS PEN 1:TAG:FOR I=1 TO 8     [1895]
240 MOVE ((I-1)*32)+376,75:PRINT CH     [2456]
R$(64+i);
250 MOVE 344,((I-1)*32)+104:PRINT C     [2081]
HR$(48+i);
260 NEXT:TAGOFF                         [893]
270 FOR i=1 TO 8:cas(i,2)=1:cas(i,7     [2274]
)=1
280 PEN 0:IF i/2=i\2 THEN PAPER 2 E     [3945]
LSE PAPER 3
290 LOCATE (i*2)+22,7:PRINT CHR$(23     [5923]
0);CHR$(231):LOCATE (i*2)+22,8:PRIN
T CHR$(232);CHR$(233)
300 PEN 1:IF i/2=i\2 THEN PAPER 3 E     [2591]
LSE PAPER 2
310 LOCATE (i*2)+22,17:PRINT CHR$(2     [5429]
30);CHR$(231):LOCATE (i*2)+22,18:PR
INT CHR$(232);CHR$(233)
320 NEXT                                [350]
330 PAPER 3:LOCATE 24,19:PRINT CHR$     [5959]
(234);CHR$(235):LOCATE 24,20:PRINT
CHR$(236);CHR$(237):cas(1,1)=2
340 LOCATE 28,19:PRINT CHR$(242);CH     [5435]
R$(243):LOCATE 28,20:PRINT CHR$(244
);CHR$(245):cas(3,1)=4
350 LOCATE 32,19:PRINT CHR$(250);CH     [4845]
R$(251):LOCATE 32,20:PRINT CHR$(252
);CHR$(253):cas(5,1)=6
360 LOCATE 36,19:PRINT CHR$(238);CH     [4042]
R$(239):LOCATE 36,20:PRINT CHR$(240
);CHR$(241):cas(7,1)=3:PEN 0
370 LOCATE 26,5:PRINT CHR$(238);CHR     [5517]
$(239):LOCATE 26,6:PRINT CHR$(240);
CHR$(241):cas(2,8)=3
380 LOCATE 30,5:PRINT CHR$(246);CHR     [6045]
$(247):LOCATE 30,6:PRINT CHR$(248);
CHR$(249):cas(4,8)=5
390 LOCATE 34,5:PRINT CHR$(242);CHR     [3638]
$(243):LOCATE 34,6:PRINT CHR$(244);
CHR$(245):cas(6,8)=4
400 LOCATE 38,5:PRINT CHR$(234);CHR     [5120]
$(235):LOCATE 38,6:PRINT CHR$(236);
CHR$(237):cas(8,8)=2
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410 PEN 1:PAPER 2:LOCATE 26,19:PRIN     [6031]
T CHR$(238);CHR$(239):LOCATE 26,20:
PRINT CHR$(240);CHR$(241):cas(2,1)=
3
420 LOCATE 30,19:PRINT CHR$(246);CH     [5593]
R$(247):LOCATE 30,20:PRINT CHR$(248
);CHR$(249):cas(4,1)=5
430 LOCATE 34,19:PRINT CHR$(242);CH     [4933]
R$(243):LOCATE 34,20:PRINT CHR$(244
);CHR$(245):cas(6,1)=4
440 LOCATE 38,19:PRINT CHR$(234);CH     [3604]
R$(235):LOCATE 38,20:PRINT CHR$(236
);CHR$(237):cas(8,1)=2
450 PEN 0:LOCATE 24,5:PRINT CHR$(23     [5420]
4);CHR$(235):LOCATE 24,6:PRINT CHR$
(236);CHR$(237):cas(1,8)=2
460 LOCATE 28,5:PRINT CHR$(242);CHR     [4299]
$(243):LOCATE 28,6:PRINT CHR$(244);
CHR$(245):cas(3,8)=4
470 LOCATE 32,5:PRINT CHR$(250);CHR     [4359]
$(251):LOCATE 32,6:PRINT CHR$(252);
CHR$(253):cas(5,8)=6
480 LOCATE 36,5:PRINT CHR$(238);CHR     [4992]
$(239):LOCATE 36,6:PRINT CHR$(240);
CHR$(241):cas(7,8)=3
490 PEN 1:PAPER 0                       [958]
500 IF typ=0 THEN READ nom$,lng ELS     [3308]
E OPENIN nm$:INPUT #9,nom$,lng
510 LOCATE 4,1:PRINT "BLANCS   NOIRS    [2682]
520 LOCATE (40-LEN(nom$))\2,24:PRIN     [1740]
T nom$
530 FOR i=1 TO lng                      [359]
540 IF typ=0 THEN READ x1,y1,x2,y2,     [5095]
xx1,yy1,xx2,yy2 ELSE INPUT #9,x1,y1
,x2,y2,xx1,yy1,xx2,yy2
550 IF i<10 THEN nb$="0"+RIGHT$(STR     [2464]
$(i),1) ELSE nb$=RIGHT$(STR$(i),2)

560 IF cas(x2,y2)>0 THEN a=1 ELSE a     [1670]
=0
570 PEN 1:IF (x1\2=x1/2 AND y1\2=y1     [6870]
/2) OR (x1\2<>x1/2 AND y1\2<>y1/2)
THEN PAPER 3 ELSE PAPER 2
580 SOUND 1,100,6                       [1206]
590 LOCATE (2*x1)+22,(-2*y1)+21:PRI     [5126]
NT "  ":LOCATE (2*x1)+22,(-2*y1)+22
:PRINT "  "
600 IF (x2\2=x2/2 AND y2\2=y2/2) OR     [4240]
 (x2\2<>x2/2 AND y2\2<>y2/2) THEN P
APER 3 ELSE PAPER 2
610 c=(cas(x1,y1)-1)*4+1                [1322]
620 LOCATE (2*x2)+22,(-2*y2)+21:PRI     [6476]
NT CHR$(229+c);CHR$(230+c):LOCATE (
2*x2)+22,(-2*y2)+22:PRINT CHR$(231+
c);CHR$(232+c)
630 cas(x2,y2)=cas(x1,y1):cas(x1,y1     [3429]
)=0
640 IF x1=5 AND y1=1 AND x2=7 AND y     [10036]
2=1 THEN PAPER 2:a=2:LOCATE 34,19:P
RINT CHR$(234);CHR$(235):LOCATE 34,
20:PRINT CHR$(236);CHR$(237):LOCATE
 38,19:PRINT "  ":LOCATE 38,20:PRIN
T "  ":cas(8,1)=0:cas(6,1)=2
650 IF x1=5 AND y1=1 AND x2=3 AND y     [15187]
2=1 THEN PAPER 2:a=3:LOCATE 30,19:P
RINT CHR$(234);CHR$(235):LOCATE 30,
20:PRINT CHR$(236);CHR$(237):PAPER
3:LOCATE 24,19:PRINT "  ":LOCATE 24
,20:PRINT "  ":cas(1,1)=0:cas(3,1)=
2
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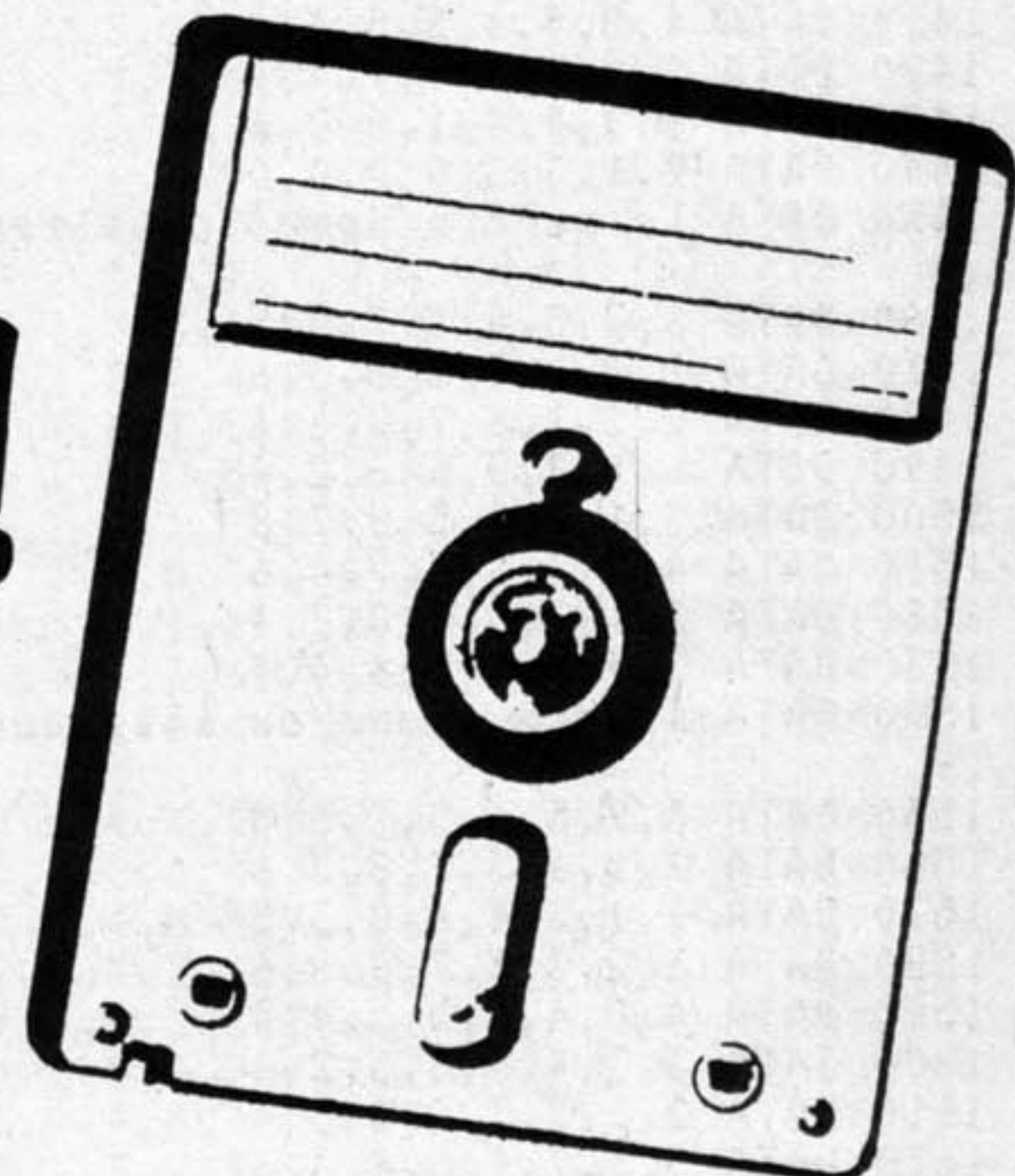
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660 IF a=0 THEN PRINT #2,nb$;" ";CH      [5434]
R$(64+x1);RIGHT$(STR$(y1),1);"-";CH
R$(64+x2);RIGHT$(STR$(y2),1);" ";
670 IF a=1 THEN PRINT #2,nb$;" ";CH      [5226]
R$(64+x1);RIGHT$(STR$(y1),1);"x";CH
R$(64+x2);RIGHT$(STR$(y2),1);" ";
680 IF a=2 THEN PRINT #2,nb$;" 0-0      [1542]
";
690 IF A=3 THEN PRINT #2,nb$;" 0-0-     [2720]
0 ";
700 FOR w=1 TO v:NEXT:IF cas(xx2,yy     [3963]
2)>0 THEN a=1 ELSE a=0
710 IF xx1=0 THEN 840                   [1336]
720 PEN 0:IF (xx1\2=xx1/2 AND yy1\2     [7035]
=yy1/2) OR (xx1\2<>xx1/2 AND yy1\2<
>yy1/2) THEN PAPER 3 ELSE PAPER 2
730 SOUND 1,100,6                       [1206]
740 LOCATE (2*xx1)+22,(-2*yy1)+21:P     [3886]
RINT " ":LOCATE (2*xx1)+22,(-2*yy1
)+22:PRINT " "
750 IF (xx2\2=xx2/2 AND yy2\2=yy2/2     [4471]
) OR (xx2\2<>xx2/2 AND yy2\2<>yy2/2
) THEN PAPER 3 ELSE PAPER 2
760 c=(cas(xx1,yy1)-1)*4+1              [1018]
770 LOCATE (2*xx2)+22,(-2*yy2)+21:P     [8371]
RINT CHR$(229+c);CHR$(230+c):LOCATE
 (2*xx2)+22,(-2*yy2)+22:PRINT CHR$(
231+c);CHR$(232+c):cas(xx2,yy2)=cas
(xx1,yy1):cas(xx1,yy1)=0
780 IF xx1=5 AND yy1=8 AND xx2=7 AN     [11853]
D yy2=8 THEN a=2:PAPER 3:LOCATE 34,
5:PRINT CHR$(234);CHR$(235):LOCATE
34,6:PRINT CHR$(236);CHR$(237):LOCA
TE 38,5:PRINT " ":LOCATE 38,6:PRIN
T " ":cas(8,8)=0:cas(6,8)=2

790 IF xx1=5 AND yy1=8 AND xx2=3 AN     [13850]
D yy2=8 THEN a=3:PAPER 3:LOCATE 30,
5:PRINT CHR$(234);CHR$(235):LOCATE
30,6:PRINT CHR$(236);CHR$(237):PAPE
R 2:LOCATE 24,5:PRINT " ":LOCATE 2
4,6:PRINT " ":cas(1,8)=0:cas(3,8)=
2
800 IF a=1 THEN PRINT #2,CHR$(64+xx     [5873]
1);RIGHT$(STR$(yy1),1);"x";CHR$(64+
xx2);RIGHT$(STR$(yy2),1)
810 IF a=0 THEN PRINT #2,CHR$(64+xx     [4901]
1);RIGHT$(STR$(yy1),1);"-";CHR$(64+
xx2);RIGHT$(STR$(yy2),1)
820 IF a=3 THEN PRINT #2,"0-0-0"        [1632]
830 IF a=2 THEN PRINT #2," 0-0         [1264]
840 FOR w=1 TO v:NEXT w,i               [1188]
850 IF typ=1 THEN CLOSEIN               [763]
860 IF INKEY$="" THEN 860               [868]
870 GOTO 120                            [429]
880 DATA le gambit du roi,12            [793]
890 DATA 5,2,5,4,5,7,5,5                [817]
900 DATA 6,2,6,4,5,5,6,4                [1152]
910 DATA 7,1,6,3,7,7,7,5                [983]
920 DATA 6,1,3,4,4,7,4,6                [806]
930 DATA 5,1,7,1,8,7,8,6                [905]
940 DATA 4,2,4,4,6,8,7,7                [866]
950 DATA 3,2,3,3,2,8,3,6                [619]
960 DATA 7,2,7,3,7,5,7,4                [519]
970 DATA 6,3,8,4,6,4,6,3                [776]
980 DATA 2,1,4,2,7,7,6,6                [485]
990 DATA 4,2,6,3,7,4,6,3                [188]
1000 DATA 4,1,6,3,0,0,0,0               [532]
1010 DATA la partie viennoise,7         [877]
1020 DATA 5,2,5,4,5,7,5,5               [817]
1030 DATA 2,1,3,3,7,8,6,6               [643]
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LES OUVERTURES

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1040 DATA 6,2,6,4,4,7,4,5                [704]     1710 DATA 4,5,3,6,2,7,3,6                [735]
1050 DATA 6,4,5,5,6,6,5,4                [638]     1720 DATA l'attaque max lange,11        [2415]
1060 DATA 7,1,6,3,6,8,5,7               [1066]     1730 DATA 5,2,5,4,5,7,5,5                [817]
1070 DATA 4,2,4,4,5,8,7,8                [942]     1740 DATA 7,1,6,3,2,8,3,6               [1014]
1080 DATA 6,1,4,3,6,7,6,5                [742]     1750 DATA 6,1,3,4,7,8,6,6               [1188]
1090 DATA le gambit goring,13           [955]     1760 DATA 4,2,4,4,5,5,4,4                [799]
1100 DATA 5,2,5,4,5,7,5,5                [817]     1770 DATA 5,1,7,1,6,8,3,5                [987]
1110 DATA 7,1,6,3,2,8,3,6               [1014]     1780 DATA 5,4,5,5,4,7,4,5                [318]
1120 DATA 4,2,4,4,5,5,4,4                [799]     1790 DATA 5,5,6,6,4,5,3,4                [652]
1130 DATA 3,2,3,3,4,4,3,3               [1069]     1800 DATA 6,1,5,1,3,8,5,6                [699]
1140 DATA 2,1,3,3,6,8,2,4                [456]     1810 DATA 6,3,7,5,4,8,4,5                [860]
1150 DATA 6,1,3,4,4,7,4,6                [806]     1820 DATA 2,1,3,3,4,5,6,5                [561]
1160 DATA 5,1,7,1,2,4,3,3               [1051]     1830 DATA 3,3,5,4,5,8,3,8                [918]
1170 DATA 2,2,3,3,7,8,6,6                [659]     1840 DATA la ruy lopez ou espagnole    [1658]
1180 DATA 5,4,5,5,3,6,5,5                [338]          ,3
1190 DATA 6,3,5,5,4,6,5,5                [800]     1850 DATA 5,2,5,4,5,7,5,5                [817]
1200 DATA 4,1,2,3,4,8,5,7                [544]     1860 DATA 7,1,6,3,2,8,3,6               [1014]
1210 DATA 3,1,1,3,3,7,3,5                [761]     1870 DATA 6,1,2,5,0,0,0,0                [309]
1220 DATA 3,4,2,5,3,8,4,7                [951]     1880 DATA la defense petroff ou def    [2477]
1230 DATA le gambit danois,11           [437]     ense russe,11
1240 DATA 5,2,5,4,5,7,5,5                [817]     1890 DATA 5,2,5,4,5,7,5,5                [817]
1250 DATA 4,2,4,4,5,5,4,4                [799]     1900 DATA 7,1,6,3,7,8,6,6                [902]
1260 DATA 3,2,3,3,4,4,3,3               [1069]     1910 DATA 6,3,5,5,4,7,4,6                [878]
1270 DATA 6,1,3,4,3,3,2,2                [729]     1920 DATA 5,5,6,3,6,6,5,4                [475]
1280 DATA 3,1,2,2,4,7,4,6                [545]     1930 DATA 4,2,4,4,4,6,4,5                [987]
1290 DATA 7,1,6,3,2,8,3,6               [1014]     1940 DATA 6,1,4,3,6,8,5,7                [855]
1300 DATA 5,1,7,1,3,8,5,6               [1031]     1950 DATA 5,1,7,1,2,8,3,6                [757]
1310 DATA 3,4,5,6,6,7,5,6                [509]     1960 DATA 6,1,5,1,3,8,7,4                [701]
1320 DATA 4,1,2,3,4,8,3,8                [503]     1970 DATA 3,2,3,3,5,4,6,6                [791]
1330 DATA 6,3,7,5,3,6,4,8                [892]     1980 DATA 3,1,7,5,5,8,7,8                [693]
1340 DATA 6,2,6,4,0,0,0,0                [874]     1990 DATA 2,1,4,2,0,0,0,0                [508]
1350 DATA le gambis evans,9              [69]     2000 DATA la defense philidor,11       [1642]
1360 DATA 5,2,5,4,5,7,5,5                [817]     2010 DATA 5,2,5,4,5,7,5,5                [817]
1370 DATA 7,1,6,3,2,8,3,6               [1014]     2020 DATA 7,1,6,3,4,7,4,6               [1046]
1380 DATA 6,1,3,4,6,8,3,5               [1044]     2030 DATA 4,2,4,4,7,8,6,6               [1054]
1390 DATA 2,2,2,4,3,5,2,4                [530]     2040 DATA 2,1,3,3,2,8,4,7                [603]
1400 DATA 3,2,3,3,2,4,1,5                [896]     2050 DATA 6,1,3,4,6,8,5,7               [1018]
1410 DATA 4,2,4,4,5,5,4,4                [799]     2060 DATA 5,1,7,1,5,8,7,8               [1188]
1420 DATA 5,1,7,1,4,7,4,6                [760]     2070 DATA 4,1,5,2,3,7,3,6                [565]
1430 DATA 3,3,4,4,1,5,2,6                [506]     2080 DATA 3,4,2,3,1,7,1,6                [843]
1440 DATA 2,1,3,3,0,0,0,0                [405]     2090 DATA 8,2,8,3,5,5,4,4                [554]
1450 DATA la partie des 4 cavaliers     [895]     2100 DATA 6,3,4,4,6,8,5,8                [815]
,8                                                 2110 DATA 3,1,6,4,0,0,0,0                [697]
1460 DATA 5,2,5,4,5,7,5,5                [817]     2120 DATA la defense francaise,13       [823]
1470 DATA 7,1,6,3,2,8,3,6               [1014]     2130 DATA 5,2,5,4,5,7,5,6                [816]
1480 DATA 2,1,3,3,7,8,6,6                [643]     2140 DATA 4,2,4,4,4,7,4,5                [940]
1490 DATA 6,1,2,5,6,8,2,4                [725]     2150 DATA 2,1,4,2,7,8,6,6                [724]
1500 DATA 5,1,7,1,5,8,7,8               [1188]     2160 DATA 5,4,5,5,6,6,4,7                [562]
1510 DATA 4,2,4,3,4,7,4,6                [688]     2170 DATA 6,1,4,3,3,7,3,5                [769]
1520 DATA 3,1,7,5,3,8,7,4                [812]     2180 DATA 3,2,3,3,2,8,3,6                [619]
1530 DATA 3,3,4,5,3,6,4,4                [852]     2190 DATA 7,1,5,2,4,8,2,6                [852]
1540 DATA giuoco piano ou italienne    [1290]     2200 DATA 4,2,6,3,3,5,4,4                [307]
,9                                                 2210 DATA 3,3,4,4,6,7,6,6                [556]
1550 DATA 5,2,5,4,5,7,5,5                [817]     2220 DATA 5,5,6,6,4,7,6,6                [336]
1560 DATA 7,1,6,3,2,8,3,6               [1014]     2230 DATA 5,1,7,1,6,8,4,6                [842]
1570 DATA 6,1,3,4,6,8,3,5               [1044]     2240 DATA 5,2,3,3,5,8,7,8                [722]
1580 DATA 3,2,3,3,7,8,6,6                [858]     2250 DATA 3,1,5,3,3,8,4,7                [716]
1590 DATA 4,2,4,4,5,5,4,4                [799]     2260 DATA la defense caro-kann,14       [720]
1600 DATA 3,3,4,4,3,5,2,4                [740]     2270 DATA 5,2,5,4,3,7,3,6                [521]
1610 DATA 2,1,3,3,6,6,5,4                [486]     2280 DATA 4,2,4,4,4,7,4,5                [940]
1620 DATA 5,1,7,1,5,4,3,3                [862]     2290 DATA 2,1,3,3,4,5,5,4                [534]
1630 DATA 2,2,3,3,0,0,0,0                [443]     2300 DATA 3,3,5,4,3,8,6,5                [768]
1640 DATA la defense des 2 cavalier    [1523]     2310 DATA 5,4,7,3,6,5,7,6                [808]
s,7                                                2320 DATA 8,2,8,4,8,7,8,6                [743]
1650 DATA 5,2,5,4,5,7,5,5                [817]     2330 DATA 7,1,6,3,2,8,4,7               [1069]
1660 DATA 7,1,6,3,2,8,3,6               [1014]     2340 DATA 8,4,8,5,7,6,8,7                [540]
1670 DATA 6,1,3,4,7,8,6,6               [1188]     2350 DATA 6,1,4,3,8,7,4,3                [861]
1680 DATA 6,3,7,5,4,7,4,5                [674]     2360 DATA 4,1,4,3,4,8,3,7                [687]
1690 DATA 5,4,4,5,3,6,1,5                [724]     2370 DATA 3,1,4,2,5,7,5,6                [719]
1700 DATA 3,4,2,5,3,7,3,6                [954]     2380 DATA 4,3,5,2,7,8,6,6                [917]
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2390 DATA 5,1,3,1,5,8,3,8              [459]
2400 DATA 6,3,5,5,0,0,0,0              [663]
2410 DATA la defense scandinave,11     [1961]
2420 DATA 5,2,5,4,4,7,4,5              [983]
2430 DATA 5,4,4,5,7,8,6,6              [653]
2440 DATA 6,1,2,5,3,8,4,7              [527]
2450 DATA 2,5,3,4,4,7,7,4              [383]
2460 DATA 6,2,6,3,7,4,6,5              [616]
2470 DATA 2,1,3,3,2,8,4,7              [603]
2480 DATA 7,1,5,2,4,7,2,6              [801]
2490 DATA 4,2,4,3,2,6,4,5              [483]
2500 DATA 3,3,4,5,6,6,4,5              [562]
2510 DATA 5,2,7,3,6,5,7,6              [824]
2520 DATA 5,1,7,1,0,0,0,0              [824]
2530 DATA la defense alekhine,14       [894]
2540 DATA 5,2,5,4,7,8,6,6              [691]
2550 DATA 5,4,5,5,6,6,4,5              [564]
2560 DATA 3,2,3,4,4,5,2,6              [982]
2570 DATA 4,2,4,4,4,7,4,6              [935]
2580 DATA 6,2,6,4,4,6,5,5              [1051]
2590 DATA 6,4,5,5,2,8,3,6              [854]
2600 DATA 3,1,5,3,3,8,6,5              [718]
2610 DATA 2,1,3,3,5,7,5,6              [355]
2620 DATA 7,1,6,3,6,8,5,7              [1066]
2630 DATA 6,1,5,2,5,8,7,8              [869]
2640 DATA 5,1,7,1,6,7,6,6              [1122]
2650 DATA 5,5,6,6,5,7,6,6              [660]
2660 DATA 4,1,4,2,4,8,5,7              [743]
2670 DATA 1,1,4,1,0,0,0,0              [1034]
2680 DATA la defense sicilienne,17     [1897]
2690 DATA 5,2,5,4,3,7,3,5              [522]
2700 DATA 7,1,6,3,4,7,4,6              [1046]
2710 DATA 4,2,4,4,3,5,4,4              [926]
2720 DATA 6,3,4,4,7,8,6,6              [807]
2730 DATA 2,1,3,3,1,7,1,6              [682]
2740 DATA 6,1,5,2,5,7,5,5              [1172]
2750 DATA 4,4,2,3,6,8,5,7              [480]
2760 DATA 5,1,7,1,5,8,7,8              [1188]
2770 DATA 6,2,6,4,2,7,2,5              [1059]
2780 DATA 1,2,1,3,3,8,2,7              [1141]
2790 DATA 5,2,6,3,2,8,4,7              [508]
2800 DATA 7,2,7,3,1,8,3,8              [902]
2810 DATA 4,1,5,1,4,7,2,6              [519]
2820 DATA 7,1,8,1,2,6,3,4              [1096]
2830 DATA 2,3,4,2,4,8,4,7              [875]
2840 DATA 4,2,3,4,3,8,3,4              [862]
2850 DATA 3,1,4,2,4,6,4,5              [812]
2860 DATA le systeme colle,10          [784]
2870 DATA 4,2,4,4,4,7,4,5              [940]
2880 DATA 5,2,5,3,7,8,6,6              [311]
2890 DATA 6,1,4,3,3,7,3,5              [769]
2900 DATA 3,2,3,3,2,8,3,6              [619]
2910 DATA 7,1,6,3,5,7,5,6              [857]
2920 DATA 2,1,4,2,6,8,4,6              [778]
2930 DATA 5,1,7,1,5,8,7,8              [1188]
2940 DATA 4,4,3,5,4,6,3,5              [324]
2950 DATA 5,3,5,4,5,6,5,5              [965]
2960 DATA 4,1,5,2,6,8,5,8              [591]
2970 DATA le gambit dame,12            [384]
2980 DATA 4,2,4,4,4,7,4,5              [940]
2990 DATA 3,2,3,4,5,7,5,6              [1022]
3000 DATA 2,1,3,3,7,8,6,6              [643]
3010 DATA 3,1,7,5,6,8,5,7              [881]
3020 DATA 5,2,5,3,5,8,7,8              [698]
3030 DATA 7,1,6,3,2,8,4,7              [1069]
3040 DATA 1,1,3,1,3,7,3,6              [1110]
3050 DATA 6,1,4,3,4,5,3,4              [958]
3060 DATA 4,3,3,4,6,6,4,5              [911]
3070 DATA 7,5,5,7,4,8,5,7              [652]
3080 DATA 5,1,7,1,4,5,3,3              [919]
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3090 DATA 3,1,3,3,5,6,5,5                   [723]
3100 DATA la defense hollandaise,12         [1349]
3110 DATA 4,2,4,4,6,7,6,5                   [712]
3120 DATA 3,2,3,4,5,7,5,6                   [1022]
3130 DATA 7,2,7,3,7,8,6,6                   [669]
3140 DATA 6,1,7,2,6,8,5,7                   [808]
3150 DATA 7,1,6,3,5,8,7,8                   [771]
3160 DATA 5,1,7,1,4,7,4,6                   [760]
3170 DATA 2,1,3,3,4,8,5,8                   [514]
3180 DATA 6,1,5,1,5,8,8,5                   [1047]
3190 DATA 5,2,5,4,6,5,5,4                   [485]
3200 DATA 3,3,5,4,6,6,5,4                   [566]
3210 DATA 5,1,5,4,2,8,3,6                   [802]
3220 DATA 3,1,6,4,0,0,0,0                   [697]
3230 DATA la defense nimzo-indienne         [2157]
     ,11
3240 DATA 4,2,4,4,7,8,6,6                   [1054]
3250 DATA 3,2,3,4,5,7,5,6                   [1022]
3260 DATA 2,1,3,3,6,8,2,4                   [456]
3270 DATA 5,2,5,3,5,8,7,8                   [698]
3280 DATA 6,1,4,3,4,7,4,5                   [858]
3290 DATA 7,1,6,3,3,7,3,5                   [844]
3300 DATA 1,2,1,3,2,4,3,3                   [986]
3310 DATA 2,3,3,3,2,8,3,6                   [702]
3320 DATA 5,1,7,1,4,5,3,4                   [926]
3330 DATA 4,3,3,4,4,8,3,7                   [624]
3340 DATA 3,4,4,3,5,6,5,5                   [777]
3350 DATA la defense ouest-indienne         [1091]
     ,10
3360 DATA 4,2,4,4,7,8,6,6                   [1054]
3370 DATA 3,2,3,4,5,7,5,6                   [1022]
3380 DATA 7,1,6,3,2,7,2,6                   [1007]
3390 DATA 5,2,5,3,3,8,2,7                   [617]
3400 DATA 6,1,4,3,6,6,5,4                   [699]
3410 DATA 2,1,3,3,6,8,2,4                   [456]
3420 DATA 4,1,3,2,6,7,6,5                   [508]
3430 DATA 1,2,1,3,2,4,3,3                   [986]
3440 DATA 2,2,3,3,5,8,7,8                   [288]
3450 DATA 5,1,7,1,6,8,6,6                   [850]
3460 DATA la defense est-indienne,1         [1638]
     0
3470 DATA 4,2,4,4,7,8,6,6                   [1054]
3480 DATA 3,2,3,4,7,7,7,6                   [1059]
3490 DATA 2,1,3,3,6,8,7,7                   [350]
3500 DATA 5,2,5,4,4,7,4,6                   [986]
3510 DATA 7,1,6,3,5,8,7,8                   [771]
3520 DATA 6,1,5,2,5,7,5,5                   [1172]
3530 DATA 5,1,7,1,2,8,3,6                   [757]
3540 DATA 4,4,4,5,3,6,5,7                   [480]
3550 DATA 6,3,5,1,6,6,4,7                   [981]
3560 DATA 5,1,4,3,6,7,6,5                   [638]
3570 DATA la defense benoni moderne         [1602]
     ,14
3580 DATA 4,2,4,4,7,8,6,6                   [1054]
3590 DATA 3,2,3,4,3,7,3,5                   [910]
3600 DATA 4,4,4,5,5,7,5,6                   [687]
3610 DATA 2,1,3,3,5,6,4,5                   [404]
3620 DATA 3,4,4,5,4,7,4,6                   [641]
3630 DATA 5,2,5,4,7,7,7,6                   [692]
3640 DATA 6,1,4,3,6,8,7,7                   [704]
3650 DATA 7,1,5,2,5,8,7,8                   [1045]
3660 DATA 5,1,7,1,1,7,1,6                   [731]
3670 DATA 1,2,1,4,4,8,3,7                   [1169]
3680 DATA 8,2,8,3,2,8,4,7                   [793]
3690 DATA 6,2,6,4,6,8,5,8                   [850]
3700 DATA 5,2,7,3,3,5,3,4                   [784]
3710 DATA 4,3,3,2,4,7,3,5                   [908]
3720 DATA la defense grunfeld,9             [596]
3730 DATA 4,2,4,4,7,8,6,6                   [1054]
3740 DATA 3,2,3,4,7,7,7,6                   [1059]
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3750 DATA 2,1,3,3,4,7,4,5                 [326]
3760 DATA 3,4,4,5,6,6,4,5                 [746]
3770 DATA 5,2,5,4,4,5,3,3                 [567]
3780 DATA 2,2,3,3,6,8,7,7                 [490]
3790 DATA 6,1,3,4,3,7,3,5                 [955]
3800 DATA 7,1,5,2,5,8,7,8                 [1045]
3810 DATA 5,1,7,1,2,8,3,6                 [757]
3820 typ=0:MODE 1:INK 0,1:BORDER 1:       [3704]
INK 1,26:PEN 1:PAPER 0
3830 LOCATE 8,10:PRINT "[1] les ouv       [2595]
ertures
3840 LOCATE 8,12:PRINT "[2] voir un       [3562]
e partie
3850 LOCATE 8,14:PRINT "[3] entrer        [3153]
une partie
3860 a=VAL(INKEY$)                        [1034]
3870 ON a GOTO 3890,4270,4290             [1398]
3880 GOTO 3860                            [485]
3890 MODE 2                               [513]
3900 MOVE 320,16:DRAW 320,400             [1033]
3910 LOCATE 7,1:PRINT "ouvertures d       [6594]
u pion-roi":LOCATE 47,1:PRINT "ouve
rtures du pion-dame"
3920 RESTORE 3970:FOR i=1 TO 25           [2064]
3930 READ nom$                            [395]
3940 IF i<10 THEN LOCATE 3,i+3:PRIN       [2973]
T i;"   ";nom$:GOTO 3960
3950 IF i<18 THEN LOCATE 2,i+3:PRIN       [4440]
T i;"   ";nom$:ELSE LOCATE 42,i-14:
PRINT i;"   ";nom$
3960 NEXT                                 [350]
3970 DATA le gambit du roi,la parti       [12936]
e viennoise,le gambit goring,le gam
bis danois,le gambit evans,la parti
e des 4 cavaliers,giuoco piano ou i
talienne,la defense des 2 cavaliers
,l'attaque max lange,la ruy lopez o
u espagnole
3980 DATA la defense petroff ou rus       [9853]
se,la defense philidor,la defense f
rancaise,la defense caro-kann,la de
fense scandinave,la defense alekhin
e,la defense sicilienne
3990 DATA le systeme colle,le gambi       [12352]
t dame,la defense hollandaise,la de
fense nimzo-indienne,la defense oue
st-indienne,la defense est-indienne
,la defense benoni moderne,la defen
se grunfeld
4000 LOCATE 35,24:INPUT "votre choi       [2871]
x ",a
4010 ON a GOTO 4020,4030,4040,4050,       [6362]
4060,4070,4080,4090,4100,4110,4120,
4130,4140,4150,4160,4170,4180,4190,
4200,4210,4220,4230,4240,4250,4260

4020 RESTORE 880:RETURN                   [1051]
4030 RESTORE 1010:RETURN                  [781]
4040 RESTORE 1090:RETURN                  [725]
4050 RESTORE 1230:RETURN                  [983]
4060 RESTORE 1350:RETURN                  [878]
4070 RESTORE 1450:RETURN                  [896]
4080 RESTORE 1540:RETURN                  [641]
4090 RESTORE 1640:RETURN                  [1594]
4100 RESTORE 1720:RETURN                  [2370]
4110 RESTORE 1840:RETURN                  [849]
4120 RESTORE 1880:RETURN                  [1391]
4130 RESTORE 2000:RETURN                  [942]
4140 RESTORE 2120:RETURN                  [1986]
4150 RESTORE 2260:RETURN                  [1220]
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4160 RESTORE 2410:RETURN                  [1185]
4170 RESTORE 2530:RETURN                  [1192]
4180 RESTORE 2680:RETURN                  [2066]
4190 RESTORE 2860:RETURN                  [1456]
4200 RESTORE 2970:RETURN                  [1471]
4210 RESTORE 3100:RETURN                  [1051]
4220 RESTORE 3230:RETURN                  [878]
4230 RESTORE 3350:RETURN                  [983]
4240 RESTORE 3460:RETURN                  [825]
4250 RESTORE 3570:RETURN                  [648]
4260 RESTORE 3720:RETURN                  [1415]
4270 CLS:LOCATE 3,12:INPUT "nom de        [3149]
la partie ",nm$
4280 typ=1:RETURN                         [970]
4290 CLS:INPUT "nom de la partie ",       [4610]
nom$:INPUT "nombre de coups ",lng:I
NPUT "nom de sauvegarde ",nm$
4300 OPENOUT nm$                          [561]
4310 WRITE #9,nom$,lng                    [857]
4320 FOR i=1 TO lng:CLS                   [647]
4330 PRINT "coup no: ";i                  [1500]
4340 INPUT "blancs ",bl$:bl$=LOWER$       [1256]
(bl$)
4350 INPUT "noirs ",nr$:nr$=LOWER$(       [1890]
nr$)
4360 IF bl$="o-o" THEN x1=5:y1=1:x2       [3330]
=7:y2=1:GOTO 4430
4370 IF bl$="o-o-o" THEN x1=5:y1=1:       [2233]
x2=3:y2=1:GOTO 4430
4380 IF MID$(bl$,3,1)<>"-" THEN CLS       [2619]
:GOTO 4330
4390 IF ASC(MID$(bl$,1,1))-96<1 OR        [5367]
ASC(MID$(bl$,1,1))-96>8 THEN CLS:GO
TO 4330 ELSE x1=ASC(MID$(bl$,1,1))-
96
4400 IF VAL(MID$(bl$,2,1))<1 OR VAL       [6016]
(MID$(bl$,2,1))>8 THEN CLS:GOTO 433
0 ELSE y1=VAL(MID$(bl$,2,1))
4410 IF ASC(MID$(bl$,4,1))-96<1 OR        [5119]
ASC(MID$(bl$,4,1))-96>8 THEN CLS:GO
TO 4330 ELSE x2=ASC(MID$(bl$,4,1))-
96
4420 IF VAL(MID$(bl$,5,1))<1 OR VAL       [4837]
(MID$(bl$,5,1))>8 THEN CLS:GOTO 433
0 ELSE y2=VAL(MID$(bl$,5,1))
4430 IF nr$="" THEN xx1=0:yy1=0:xx2       [3617]
=0:yy2=0:GOTO 4500
4440 IF nr$="o-o" THEN xx1=5:yy1=8:       [2376]
xx2=7:yy2=8:GOTO 4500
4450 IF nr$="o-o-o" THEN xx1=5:yy1=       [1938]
8:xx2=3:yy2=8:GOTO 4500
4460 IF ASC(MID$(nr$,1,1))-96<1 OR        [5396]
ASC(MID$(nr$,1,1))-96>8 THEN CLS:GO
TO 4330 ELSE xx1=ASC(MID$(nr$,1,1))
-96
4470 IF VAL(MID$(nr$,2,1))<1 OR VAL       [5325]
(MID$(nr$,2,1))>8 THEN CLS:GOTO 433
0 ELSE yy1=VAL(MID$(nr$,2,1))
4480 IF ASC(MID$(nr$,4,1))-96<1 OR        [6107]
ASC(MID$(nr$,4,1))-96>8 THEN CLS:GO
TO 4330 ELSE xx2=ASC(MID$(nr$,4,1))
-96
4490 IF VAL(MID$(nr$,5,1))<1 OR VAL       [5502]
(MID$(nr$,5,1))>8 THEN CLS:GOTO 433
0 ELSE yy2=VAL(MID$(nr$,5,1))
4500 WRITE #9,x1,y1,x2,y2,xx1,yy1,x       [3017]
x2,yy2
4510 NEXT                                 [350]
4520 CLOSEOUT                             [902]
4530 GOTO 3820                            [493]
```