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10 MODE 1: BORDER 1: PAPER 0: PEN 1
20 SYMBOL AFTER 127
30 SYMBOL 128,3,15,63,63,127,127,255,255
40 SYMBOL 129,192,240,252,252,254,254,255,255
50 SYMBOL 130,255,255,127,127,63,63,15,3
60 SYMBOL 131,255,255,254,254,252,252,240,192
70 ENV 1,1,15,1,1,-1,3,7,-2,1
80 ENV 2,3,5,1,1,0,1,1,-15,1
90 FOR I=1 TO 7
100 LET F(1,1)=1
110 NEXT I
120 REM *****
130 REM * PAGE DE PRESENTATION. *
140 REM *****
150 GOSUB 790
160 LOCATE 10,1: PRINT "PUISSANCE 4."
170 LET PAGE=1
180 LET C=1
190 LET EV=0
200 LET D=INT(RND*7)+1
210 IF C=1 THEN LET CP=5: GOSUB 980
220 IF C=-1 THEN LET CP=3: GOSUB 980
230 GOSUB 1120
240 IF EV=6 THEN GOSUB 1540
250 LET C=C*-1
260 LET K$=INKEY$
270 IF K$<>" " THEN LET PAGE=0
280 IF PAGE = 1 THEN GOTO 200
290 REM *****
300 REM * DEBUT DE PARTIE: *
310 REM * INITIALISATION DES VARIABLES. *
320 REM *****
330 LET EV=0
340 LET DEB=0
350 LET G=0
360 LET CT=0
370 LET CG=0
380 LET CG=0
390 LET D=0
400 GOSUB 1540
410 PEN 5: LOCATE 25,16: PRINT CHR$(128):CHR$(129)
420 LOCATE 25,17: PRINT CHR$(130):CHR$(131)
430 PEN 3: LOCATE 25,20: PRINT CHR$(128):CHR$(129)
440 LOCATE 25,21: PRINT CHR$(130):CHR$(131)
450 PEN 2:LOCATE 30,17:PRINT "VOUS":LOCATE 30,21:
PRINT "MOI"
460 LOCATE 5,5:PRINT "VOULEZ-VOUS COMMENCER ? (O/N
)"
470 LET K$=UPPER$(INKEY$):IF K$=" " THEN GOTO 470
480 LET C=-1:IF K$="O" THEN LET C=1
490 IF C=-1 THEN GOTO 580
500 PEN 2
510 LOCATE 5,5:PRINT "CHOISISSEZ VOTRE COLONNE SVP
"
520 LET K$=INKEY$: IF K$=" " THEN GOTO 520
530 LET D=ASC(K$)-48:IF D<1 OR D>7 THEN GOTO 520
540 IF P(D,7)=0 THEN GOTO 570
550 LOCATE 5,5:PRINT "VOUS NE POUVEZ PAS JOUER ICI
!"
560 GOTO 520
570 LET DEB=DEB+1:LET CP=5
580 IF C=1 THEN GOTO 620

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590 LET CP=3: PEN 2
600 LOCATE 5,5:PRINT "C'EST A MON TOUR DE JOUER ..
"
610 GOSUB 1330
620 IF CP=3 THEN LOCATE 5,5:PRINT "ATTENDEZ, JE PE
EPARE MON COUP."
630 IF CP=5 THEN LOCATE 5,5:PRINT "MERCI: J'EXAMIN
E VOTRE CHOIX."
640 IF D=0 THEN LET D=INT(RND*7)+1:IF P(D,7)>0 TH
EN LET D=0:GOTO 640
650 GOSUB 1670
660 IF G=1 THEN GOTO 710
670 GOSUB 980:GOSUB 1120
680 IF G=1 THEN GOTO 710
690 LET C=C*-1
700 GOTO 490
710 IF GJ=4 THEN LOCATE 5,5:PRINT "BRAVO: VOUS GAG
NEZ LA PARTIE. "
720 IF GO=4 THEN LOCATE 5,5:PRINT "DESOLE, C'EST M
OI QUI GAGNE!!!"
730 IF INKEY$=" " THEN GOTO 730
740 CLEAR:GOTO 10
750 REM *****
760 REM * SOUS ROUTINE REPRESENTATION *
770 REM * DE LA GRILLE DE JEU. *
780 REM *****
790 PAPER 2: PEN 0
800 FOR Y=12 TO 22 STEP 2
810 LOCATE 1,Y: PRINT " ": LOCATE 16,Y:PRINT " "
820 LOCATE 1,Y+1:PRINT " ": LOCATE 16,Y+1:PRINT " "
830 FOR X=2 TO 14 STEP 2
840 LOCATE X,Y: PRINT CHR$(128):CHR$(129)
850 LOCATE X,Y+1: PRINT CHR$(130):CHR$(131)
860 NEXT X
870 NEXT Y
880 FOR I=1 TO 16
890 LOCATE I,11: PRINT " "
900 NEXT I
910 LOCATE 1,24:PRINT " 1 2 3 4 5 6 7 "
920 PAPER 0: PEN 1
930 RETURN
940 REM *****
950 REM * SOUS ROUTINE D'ANIMATION DU *
960 REM * DEPLACEMENT HORIZONTAL DES PIONS. *
970 REM *****
980 PEN CP
990 FOR H=36 TO 2:2D STEP-1
1000 LOCATE H,9: PRINT CHR$(128):CHR$(129):" "
1010 LOCATE H,10: PRINT CHR$(130):CHR$(131):" "
1020 SOUND 1,10+(3*H),0,0,2,0,0
1030 SOUND 1,20+(5*H),0,0,2,0,0
1040 NEXT H
1050 LOCATE H+1,9: PRINT " "
1060 LOCATE H+1,10: PRINT " "
1070 RETURN
1080 REM *****
1090 REM * SOUS ROUTINE D'ANIMATION DE *
1100 REM * LA CHUTE DES PIONS. *
1110 REM *****
1120 PAPER 2: LET Y=7
1130 LET XC=2*D
1140 LET YC=26-(2*Y)
1150 IF Y=7 THEN GOTO 1180

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1160 PEN O: LOCATE XC,YC-2: PRINT CHR$(128); CHR$
(129)
1170 LOCATE XC,YC-1:PRINT CHR$(130);CHR$(131)
1180 PEN CP
1190 LOCATE XC,YC:PRINT CHR$(128);CHR$(129)
1200 LOCATE XC,YC+1:PRINT CHR$(130);CHR$(131)
1210 SOUND 1,10+(10*Y),0,0,1,0,0
1220 SOUND 2,200+(20*Y),0,0,1,0,0
1230 LET Y=Y-1
1240 IF P(D,Y)=0 THEN GOTO 1140
1250 LET P(D,Y+1)=CP
1260 IF EV<(Y+1) THEN LET EV=Y
1270 PAPER 0
1280 RETURN
1290 REM *****
1300 REM *   SOUS ROUTINE D'ANALYSE DES   *
1310 REM *   ALIGNEMENTS HORIZONTAUX.   *
1320 REM *****
1330 LET D=0: LET DL=0
1340 FOR Y=2 TO EV+1
1350 FOR H=1 TO 4
1360 IF P(H,Y)=0 AND P(H,Y-1)<>0 AND P(H+1,Y)=5
  AND P(H+2,Y)=5 AND P(H+3,Y)=5 THEN LET DL=H
1370 IF P(H,Y)=0 AND P(H,Y-1)<>0 AND P(H+1,Y)=3
  AND P(H+2,Y)=3 AND P(H+3,Y)=3 THEN LET DL=H
1380 IF P(H,Y)=5 AND P(H+1,Y)=0 AND P(H+1,Y-1)<>0
  AND P(H+2,Y)=5 AND P(H+3,Y)=5 THEN LET DL=H+1
1390 IF P(H,Y)=3 AND P(H+1,Y)=0 AND P(H+1,Y-1) AND
  P(H+2,Y)=3 AND P(H+3,Y)=3 THEN LET DL=H+1
1400 IF P(H,Y)=5 AND P(H+1,Y)=5 AND P(H+2,Y)=0 AND
  P(H+2,Y-1)<>0 AND P(H+3,Y)=5 THEN LET DL=H+2
1410 IF P(H,Y)=3 AND P(H+1,Y)=3 AND P(H+2,Y)=0 AND
  P(H+2,Y-1)<>0 AND P(H+3,Y)=3 THEN LET DL=H+2
1420 IF P(H,Y)=5 AND P(H+1,Y)=5 AND P(H+2,Y)=5 AND
  P(H+3,Y)=0 AND P(H+3,Y-1)<>0 THEN LET DL=H+3
1430 IF P(H,Y)=3 AND P(H+1,Y)=3 AND P(H+2,Y)=3 AND
  P(H+3,Y)=0 AND P(H+3,Y-1)<>0 THEN LET DL=H+3
1440 IF DL>0 THEN LET H=4:LET Y=EV+1
1450 SOUND 1,10+(10*H),0,0,1,0,0
1460 SOUND 2,50+(10*Y),0,0,1,0,0
1470 NEXT H
1480 NEXT Y
1490 LET D=DL
1500 RETURN
1510 REM *****
1520 REM *   SOUS ROUTINE EFFACEMENT GRILLE.   *
1530 REM *****
1540 FOR XO=1 TO 7
1550 FOR YO=2 TO 7
1560 LET P(XO,YO)=0
1570 NEXT YO
1580 SOUND 1,25*XO,0,0,1,0,0
1590 SOUND 2,100/XO,0,0,1,0,0
1600 NEXT XO
1610 GOSUB 790
1620 RETURN
1630 REM *****
1640 REM *   SOUS ROUTINE DE CONTROLE ET DE   *
1650 REM *   DECISION POSITION PION ORDINATEUR *
1660 REM *****
1670 LET GJ=0: LET GO=0
1680 FOR Y=2 TO EV+1
1690 LET GJ=0: LET GO=0
1700 FOR H=1 TO 7
1710 LET GJ=(GJ+(P(H,Y)=5)*-1)*((P(H,Y)<5)+1)
1720 LET GO=(GO+(P(H,Y)=3)*-1)*((P(H,Y)<3)+1)
1730 IF GJ=4 OR GO=4 THEN LET G=1: LET Y=EV+1: LET
H=7
1740 NEXT H
1750 NEXT Y
1760 IF GJ=4 OR GO=4 THEN LET G=1
1770 IF EV<3 OR G=1 THEN RETURN
1780 LET GJ=0: LET GO=0
1790 LET DC=0
1800 FOR H=1 TO 7
1810 LET GJ=0:LET GO=0
1820 FOR Y=2 TO EV+1
1830 LET GO=(GO+(P(H,Y)=3)*-1)*((P(H,Y)<3)+1)
1840 LET GJ=(GJ+(P(H,Y)=5)*-1)*((P(H,Y)<5)+1)
1850 SOUND 1,50+(10*GJ),0,0,1,0,0
1860 SOUND 2,50+(10*GO),0,0,1,0,0
1870 IF GJ=4 OR GO=4 THEN LET G=1: LET Y=EV+1: LET
H=7
1880 IF Y=7 THEN LET DC=0: GOTO 1920
1890 IF P(H,Y+1)<>0 THEN GOTO 1920
1900 IF GO=3 THEN LET DC=H
1910 IF DC=0 AND GJ=3 THEN LET DC=H
1920 NEXT Y
1930 NEXT H
1940 IF G=1 THEN RETURN
1950 LET GJ=0: LET GO=0
1960 LET DD=0
1970 FOR Y=2 TO 4
1980 FOR H=1 TO 4
1990 SOUND 1,50+(10*GO),0,0,1,0,0
2000 SOUND 2,50+(10*GJ),0,0,1,0,0
2010 IF P(H,Y)=5 AND P(H+1,Y+1)=5 AND P(H+2,Y+2)=5
  THEN LET GJ=3: IF GJ=3 AND P(H+3,Y+3)=5 THEN LET
  GJ=4
2020 IF GJ=3 AND P(H+3,Y+3)=0 AND P(H+3,Y+2)<>0
  THEN LET DD=H
2030 IF P(H+3,Y)=5 AND P(H+2,Y+1)=5 AND P(H+1,Y+2)=
  5 THEN LET GJ=3: IF GJ=3 AND P(H,Y+3)=5 THEN LET
  GJ=4:LOCATE 1,3
2040 IF GJ=3 AND P(H,Y+3)=0 AND P(H,Y+2)<>0 THEN
  LET DD=H
2050 IF P(H,Y)=3 AND P(H+1,Y+1)=3 AND P(H+2,Y+2)=3
  THEN LET GO=3: IF GO=3 AND P(H+3,Y+3)=3 THEN LET
  GO=4
2060 IF GO=3 AND P(H+3,Y+3)=0 AND P(H+3,Y+2)<>0
  THEN LET DD=H
2070 IF P(H+3,Y)=3 AND P(H+2,Y+1)=3 AND P(H+1,Y+2)=
  3 THEN LET GO=3: IF GO=3 AND P(H,Y+3)=3 THEN LET
  GO=4
2080 IF GO=3 AND P(H,Y+3)=0 AND P(H,Y+2)<>0 THEN
  LET DD=H
2090 IF GJ=4 OR GO=4 THEN LET G=1:LET H=4:LET Y=4
2100 NEXT H
2110 NEXT Y
2120 IF G=1 THEN RETURN
2130 IF Y=7 THEN RETURN
2140 IF DD>0 THEN LET D=DD
2150 IF DC>0 THEN LET D=DC
2160 RETURN

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