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1360 NEXT J
1370 RETURN
1380 REM *****
1390 REM *   SOUS-ROUTINE DE DEPLACEMENT BLOCS DE CLACE *
1400 REM *****
1410 IF DR=1 AND VG=1 AND J(HG,VG)=1 THEN LET J(HG,VG)=0:PAPER 4:LOCATE HG+2,2*VG:PRINT " *LOCATE HG+2,(2*VG)+1:PRINT "
*RETURN
1420 IF DR<3 AND VG=11 AND J(HG,VG)=1 THEN LET J(HG,VG)=0:PAPER 4:LOCATE HG+2,2*VG:PRINT " *LOCATE HG+2,(2*VG)+1:PRINT "
*RETURN
1430 IF DR=2 AND HG=15 AND J(HG,VG)=1 THEN LET J(HG,VG)=0:PAPER 4:LOCATE HG+2,2*VG:PRINT " *LOCATE HG+2,(2*VG)+1:PRINT "
*RETURN
1440 IF DR=4 AND HG=1 AND J(HG,VG)=1 THEN LET J(HG,VG)=0:PAPER 4:LOCATE HG+2,2*VG:PRINT " *LOCATE HG+2,(2*VG)+1:PRINT "
*RETURN
1450 IF SND=0 THEN SOUND 1,20,10,6,0,1,0:LET SC=SC+20
1460 IF J(HG,VG)<1 THEN GOTO 1690
1470 LET GL=0
1480 IF DR<1 THEN GOTO 1530
1490 IF J(HG,VG)=1 THEN LET J(HG,VG)=0:PAPER 4:LOCATE HG+2,2*VG:PRINT " *LOCATE HG+2,(2*VG)+1:PRINT " *PAPER 2:PEN 6
LET VG=1
LOCATE HG+2,2*VG:PRINT CHR$(128):LOCATE HG+2,(2*VG)+1:PRINT
CHR$(128):LET GL=1:IF VG=1 THEN GOTO 1490
1500 LET J(HG,VG)=1:SOUND 2,0,0,0,3,0,1
1510 IF VG=1 THEN RETURN
1520 IF J(HG,VG)=1 AND VG>1 AND GL=0 THEN LET J(HG,VG)=0:PAPER 4:LOCATE HG+2,2*VG:PRINT " *LOCATE HG+2,(2*VG)+1:PRINT "
*
1530 IF DR<3 THEN GOTO 1580
1540 IF J(HG,VG)=1 THEN LET J(HG,VG)=0:PAPER 4:LOCATE HG+2,2*VG:PRINT " *LOCATE HG+2,(2*VG)+1:PRINT " *LET VG=VG+1:PAPER 2:PEN 6
LOCATE HG+2,2*VG:PRINT CHR$(128):LOCATE HG+2,(2*VG)+1:PRINT
CHR$(128):LET GL=1:IF VG<11 THEN GOTO 1540
1550 LET J(HG,VG)=1:SOUND 2,0,0,0,3,0,1
1560 RETURN
1570 IF J(HG,VG)=1 AND VG<11 AND GL=0 THEN LET J(HG,VG)=0:PAPER 4:LOCATE HG+2,2*VG:PRINT " *LOCATE HG+2,(2*VG)+1:PRINT "
*
1580 IF DR<2 THEN GOTO 1630
1590 IF J(HG+1,VG)=0 THEN LET J(HG,VG)=0:PAPER 4:LOCATE HG+2,2*VG:PRINT " *LOCATE HG+2,(2*VG)+1:PRINT " *LET HG=HG+1:PAPER 2:PEN 6
LOCATE HG+2,2*VG:PRINT CHR$(128):LOCATE HG+2,(2*VG)+1:PRINT
CHR$(128):LET GL=1:IF HG=15 THEN GOTO 1590
1600 LET J(HG,VG)=1:SOUND 2,0,0,0,3,0,1
1610 IF HG=15 THEN RETURN
1620 IF J(HG+1,VG)>0 AND HG=15 AND GL=0 THEN LET J(HG,VG)=0:PAPER 4:LOCATE HG+2,2*VG:PRINT " *LOCATE HG+2,(2*VG)+1:PRINT "
*
1630 IF DR<4 THEN GOTO 1680
1640 IF J(HG+1,VG)=0 THEN LET J(HG,VG)=0:PAPER 4:LOCATE HG+2,2*VG:PRINT " *LOCATE HG+2,(2*VG)+1:PRINT " *LET HG=HG+1:PAPER 2:PEN 6
LOCATE HG+2,2*VG:PRINT CHR$(128):LOCATE HG+2,(2*VG)+1:PRINT
CHR$(128):LET GL=1:IF HG=1 THEN GOTO 1640
1650 LET J(HG,VG)=1:SOUND 2,0,0,0,3,0,1
1660 IF HG=1 THEN RETURN
1670 IF J(HG+1,VG)>0 AND HG=1 AND GL=0 THEN LET J(HG,VG)=0:PAPER 4:LOCATE HG+2,2*VG:PRINT " *LOCATE HG+2,(2*VG)+1:PRINT "
*
1680 RETURN
1690 IF J(HG,VG)>2 THEN RETURN
1700 LET GL=0
1710 IF DR<1 THEN GOTO 1750
1720 IF J(HG,VG)=1 THEN LET J(HG,VG)=0:PAPER 4:LOCATE HG+2,2*VG:PRINT " *LOCATE HG+2,(2*VG)+1:PRINT " *LET VG=VG+1:PAPER 2:PEN 1
4:LOCATE HG+2,2*VG:PRINT CHR$(130):LOCATE HG+2,(2*VG)+1:PRINT
CHR$(131):LET GL=1:IF VG=1 THEN GOTO 1720

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1730 LET J(HG,VG)=2:SOUND 2,0,0,0,3,0,1:GOSUB 2140
1740 IF VG=1 THEN RETURN
1750 IF DR<3 THEN GOTO 1790
1760 IF J(HG,VG)=1 THEN LET J(HG,VG)=0:PAPER 4:LOCATE HG+2,2*VG:PRINT " *LOCATE HG+2,(2*VG)+1:PRINT " *LET VG=VG+1:PAPER 2:PEN 1
4:LOCATE HG+2,2*VG:PRINT CHR$(130):LOCATE HG+2,(2*VG)+1:PRINT
CHR$(131):LET GL=1:IF VG=1 THEN GOTO 1760
1770 LET J(HG,VG)=2:SOUND 2,0,0,0,3,0,1:GOSUB 2140
1780 IF VG=1 THEN RETURN
1790 IF DR<2 THEN GOTO 1830
1800 IF J(HG+1,VG)=0 THEN LET J(HG,VG)=0:PAPER 4:LOCATE HG+2,2*VG:PRINT " *LOCATE HG+2,(2*VG)+1:PRINT " *LET HG=HG+1:PAPER 2:PEN 1
4:LOCATE HG+2,2*VG:PRINT CHR$(130):LOCATE HG+2,(2*VG)+1:PRINT
CHR$(131):LET GL=1:IF HG=15 THEN GOTO 1800
1810 LET J(HG,VG)=2:SOUND 2,0,0,0,3,0,1:GOSUB 2140
1820 IF HG=15 THEN RETURN
1830 IF DR<4 THEN RETURN
1840 IF J(HG+1,VG)=0 THEN LET J(HG,VG)=0:PAPER 4:LOCATE HG+2,2*VG:PRINT " *LOCATE HG+2,(2*VG)+1:PRINT " *LET HG=HG+1:PAPER 2:PEN 1
4:LOCATE HG+2,2*VG:PRINT CHR$(130):LOCATE HG+2,(2*VG)+1:PRINT
CHR$(131):LET GL=1:IF HG=1 THEN GOTO 1840
1850 LET J(HG,VG)=2:SOUND 2,0,0,0,3,0,1:GOSUB 2140
1860 IF HG=1 THEN RETURN
1870 RETURN
1880 REM *****
1890 REM *   SOUS-ROUTINE DE DEPLACEMENT DE PINGOUIN FOU *
1900 REM *****
1910 GOTO 1990
1920 LET SND=1
1930 LET DR=DC:IF DR=1 THEN LET HG=HC:LET VG=VC-1:GOSUB 1990
1940 LET DR=DC:IF DR=3 THEN LET HG=HC:LET VG=VC-1:GOSUB 1990
1950 LET DR=DC:IF DR=2 THEN LET HG=HC+1:LET VG=VC:GOSUB 1990
1960 LET DR=DC:IF DR=4 THEN LET HG=HC+1:LET VG=VC:GOSUB 1990
1970 LET DC=INT(RND(4)+1):LET SND=0
1980 IF DR=1 AND VG<4 OR J(HG,VC-1)<0 THEN GOTO 1920
1990 LET DC=AND V(4)OR J(HG,VC+1)<0 THEN GOTO 1920
2000 IF DC=2 AND (HC=12 OR J(HC+1,VC)<0) THEN GOTO 1920
2010 IF DC=4 AND (HC=4 OR J(HC-1,VC)<0) THEN GOTO 1920
2020 PAPER 4:LOCATE HC+2,2*VC:PRINT " *LOCATE HC+2,(2*VC)+1:PRINT "
*
2030 IF DC=1 THEN LET VG=VC-1
2040 IF DC=3 THEN LET VG=VC-1
2050 IF DC=2 THEN LET HG=HC+1
2060 IF DC=4 THEN LET HG=HC+1
2070 PAPER 4:PEN 3:LOCATE HC+2,2*VC:PRINT CHR$(192):LOCATE HC+2,(2*VC)+1:PRINT CHR$(193)
2080 LET TP=TP-1:PAPER 8:PEN 1:LOCATE L,25:PRINT "TEMPS":TP
*
2090 IF TP=0 OK (HC=HJ AND VC=VJ) THEN LET FIN=1
2100 RETURN
2110 REM *****
2120 REM *   SOUS-ROUTINE CONTROLE ALIGNEMENT DES PEPITES *
2130 REM *****
2140 IF HG>2 THEN LET DH=HG-2
2150 IF HG<4 THEN LET FH=HG
2160 IF HG=4 THEN LET DH=1
2170 IF HG=14 THEN LET FH=13
2180 IF VG>2 THEN LET DV=VG-2
2190 IF VG<9 THEN LET FV=VG
2200 IF VG=9 THEN LET FV=9
2210 IF VG<2 THEN LET DV=1
2220 FOR I=DH TO FH
2230 FOR J=DV TO FV
2240 IF J1,I1)=2 AND J1+1,I1)=2 AND J1+2,I1)=2 THEN LET FIN=2
2250 IF J1,I1)=2 AND J1,I1+1)=2 AND J1,I1+2)=2 THEN LET FIN=2
2260 NEXT J
2270 NEXT I
2280 RETURN

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