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1 REM                                DAVID GARCIA
2 REM                                ##### PRINCIPIO #####
3 REM
4 MODE 0
15 LOCATE 6,8:PRINT" DENTRO"
17 LOCATE 8,11:PRINT" DEL"
19 LOCATE 6,14:PRINT"LABERINTO"
20 FOR d=1 TO 4000:NEXT:GOSUB 10000 :REM INSTRUCCIONES
30 MODE 2
40 tope=60
100 WINDOW #1,52,80,1,25 :REM ((((((( VENTANA PARA PLANO))))))
120 REM
130 REM INICIALIZACION DE LA MATRIZ DE DIRECCIONES
140 REM
150 DIM labe(25,20)
160 FOR f=1 TO 25
170 FOR c=1 TO 20
180 READ labe(f,c)
190 NEXT c
200 NEXT f
210 REM
220 REM ##### GENERACION ALEATORIA DEL COMIENZO ###
230 REM ##### INICIALIZAMOS CONTADORES #####
240 ctn=0
250 total=4
260 conta=0
270 RANDOMIZE TIME:aux=INT(RND*25)+1:IF aux>25 THEN 270
280 aleat=INT(RND*4)+1:IF aleat>4 THEN 280
290 IF aleat =1 THEN dib=1
300 IF aleat =4 THEN dib=16
310 IF aleat =3 THEN dib=11
320 IF aleat=2 THEN dib=6
330 IF aux>25 THEN GOTO 620
340 direccion=labe(aux,dib)
350 ON direccion GOSUB 1230,1500,1570,1650,1720,1790,1860,1940
360 x=aux
370 REM
380 REM OPCIONES
390 REM
400 IF INKEY(2)=0 THEN flag=1:nu=1
410 IF INKEY(8)=0 THEN flag=1:nu=2
420 IF INKEY(0)=0 THEN flag=1:nu=3
430 IF INKEY(1)=0 THEN flag=1:nu=4
440 IF INKEY(9)=0 THEN GOSUB 2050
450 REM ## LA LINEA SIGUIENTE ES PARA CAMBIAR DE
ORIENTACION ##
460 IF INKEY(18)=0 THEN dib=(dib+5)MOD 20:direccion=labe
(x,dib):GOTO 350
470 REM #####
480 IF (labe(x,dib+nu)=0)OR(flag=0)THEN GOTO 400
490 flag=0
500 ctn=ctn+1 : IF ctn=tope+1 THEN PRINT"LO SIENTO,TENDRAS QUE
DEDICARTE A OTRA COSA":PRINT"PORQUE SE TE HAN ACABADO LAS
OPORTUNIDADES":GOTO 670
510 aux=labe(x,dib+nu)
520 PRINT "INTENTO NUMERO ";ctn:FOR n=1 TO 1000:NEXT
530 IF aux=x+5 THEN GOSUB 1970
540 IF aux=x+1 THEN GOSUB 1990
550 IF aux=x-1 THEN GOSUB 2010
560 IF aux=x-5 THEN GOSUB 2030
570 GOTO 330
580 END
590 REM
600 REM ##### MENSAJE DE SALIDA #####
620 CLS
630 LOCATE 2,5:PRINT"LO HAS CONSEGUIDO!!"
640 PRINT:PRINT "HAS UTILIZADO";ctn;" INTENTOS":PRINT
641 IF ctn<10 THEN PRINT"HAS ESTADO GENIAL!!"
642 IF ctn>=10 AND ctn<20 THEN PRINT"ESTA BASTANTE BIEN."
643 IF ctn>=20 AND ctn<30 THEN PRINT"PUEDE MEJORARSE BASTANTE"
644 IF ctn>=30 AND ctn<45 THEN PRINT"ESTA MUY MAL,HAY
QUE APRENDER" ..
645 IF ctn>=45 THEN PRINT"NO LO PUEDES HACER PEOR AUNQUE QUIERAS"
650 IF ctn>4 THEN PRINT"NO HAY QUE MIRAR TANTO EL PLANO,ESO
SOLO LO HACEN LOS TONTOS":GOTO 680
660 IF CONTA=0 THEN PRINT"MUY BIEN,NO HAS UTILIZADO EL PLANO."
ELSE PRINT"HAS MIRADO EL PLANO":conta;" VECES"
670 PRINT
680 PRINT:PRINT"OTRA VEZ <S/N>"
690 a$=""
700 a$=INKEY$
710 IF (a$="s")OR(a$="S") THEN GOTO 230
720 IF (a$="n")OR(a$="N") THEN GOTO 740
730 GOTO 700
740 END
750 REM
760 REM ##### DATA #####
770 REM
780 DATA 5,0,2,6,0,6,2,6,0,0,2,6,0,0,2,3,0,0,2,6
790 DATA 3,0,0,7,1,5,0,7,1,0,6,7,1,0,0,2,1,0,0,7
800 DATA 5,0,4,8,0,6,4,8,0,0,2,8,0,0,4,3,0,0,4,8
810 DATA 7,0,5,9,3,5,5,9,3,0,1,9,3,0,5,3,3,0,5,9
820 DATA 3,0,0,10,4,5,0,10,4,0,6,10,4,0,0,2,4,0,0,10
830 DATA 4,1,0,11,0,1,0,11,0,1,4,11,0,1,0,1,0,1,0,11
840 DATA 5,2,8,12,0,1,8,12,0,2,3,12,0,2,8,7,0,2,8,12
850 DATA 1,3,9,0,7,3,9,0,7,3,7,0,7,3,9,5,7,3,9,0
860 DATA 1,4,10,0,8,3,10,0,8,4,7,0,8,4,10,5,8,4,10,0
870 DATA 2,5,0,0,9,3,0,0,9,5,5,0,9,5,0,6,9,5,0,0
880 DATA 5,6,12,16,0,1,12,16,0,6,3,16,0,6,12,7,0,6,12,16
890 DATA 1,7,13,0,11,3,13,0,11,7,7,0,11,7,13,5,11,7,13,0
900 DATA 2,0,0,0,12,4,0,0,12,0,6,0,12,0,0,8,12,0,0,0

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910 DATA 5,0,15,19,0,6,15,19,0,0,2,19,0,0,15,3,0,0,15,19
920 DATA 2,0,0,0,14,4,0,0,14,0,6,0,14,0,0,8,14,0,0,0
930 DATA 5,11,17,21,0,1,17,21,0,11,3,21,0,11,17,7,0,11,17,21
940 DATA 1,0,18,0,16,4,18,0,16,0,1,0,16,0,18,4,16,0,18,0
950 DATA 3,0,0,23,17,5,0,23,17,0,6,23,17,0,0,2,17,0,0,23
960 DATA 5,14,20,24,0,1,20,24,0,14,3,24,0,14,20,7,0,14,20,24
970 DATA 3,0,0,25,19,5,0,25,19,0,6,25,19,0,0,2,19,0,0,25
980 DATA 6,16,22,0,0,2,22,0,0,16,3,0,0,16,22,5,0,16,22,0
990 DATA 1,0,23,0,21,4,23,0,21,0,1,0,21,0,23,4,21,0,23,0
1000 DATA 1,18,24,0,22,3,24,0,22,18,7,0,22,18,24,5,22,18,24,0
1010 DATA 2,19,0,0,23,3,0,0,23,19,5,0,23,19,0,6,23,19,0,0
1020 DATA 4,20,0,26,0,1,0,26,0,20,4,26,0,20,0,1,0,20,0,26
1030 END
1040 REM
1050 REM      ===== FIN DATA =====
1060 REM
1070 REM
1080 REM      <<<<<<<<<<<<<<<<<<< subrutinas >>>>>>>>>>>>>>>>>>>
1090 REM
1100 REM      ### DIBUJO CUADRO COMUN ###
1110 REM
1120 CLS
1130 REM
1140 PLOT 0,0,1: DRAW 0,350: DRAW 399,350: DRAW 399,0: DRAW 0,0
1150 PLOT 150,77: DRAW 100,77: DRAW 100,252: DRAW 300,252: DRAW 300,
      77: DRAW 250,77
1160 PLOT 0,350: DRAW 100,252: PLOT 399,350: DRAW 300,252
1170 PLOT 0,0: DRAW 25,19: PLOT 75,59: DRAW 100,77
1180 PLOT 399,0: DRAW 373,25: PLOT 325,59: DRAW 300,77
1190 RETURN
1200 REM
1210 REM      ### DIBUJO CUADRO <1> ###
1220 REM

1230 GOSUB 1120
1240 PLOT 150,77: DRAW 250,77
1250 GOSUB 1310
1260 GOSUB 1380
1270 RETURN
1280 REM
1290 REM      <<<<<<<<< PUERTA IZQUIERDA >>>>>>>
1300 REM
1310 PLOT 25,19: DRAW 25,250: DRAW 75,225: DRAW 75,59
1320 PLOT 75,59: DRAW 25,59
1330 PLOT 75,225: DRAW 25,225
1340 RETURN
1350 REM
1360 REM      <<<<<<<<< PUERTA DERECHA >>>>>>>
1370 REM
1380 PLOT 373,25: DRAW 373,250: DRAW 325,225: DRAW 325,59
1390 PLOT 325,59: DRAW 373,59
1400 PLOT 325,225: DRAW 373,225
1410 RETURN
1420 REM
1430 REM      <<<<<<<<< PUERTA CENTRO >>>>>>>>>>>>>
1440 REM
1450 PLOT 150,77: DRAW 150,200: DRAW 250,200: DRAW 250,77
1460 RETURN
1470 REM
1480 REM      ### DIBUJO CUADRO <2> ###
1490 REM
1500 GOSUB 1120
1510 GOSUB 1380
1520 PLOT 150,77: DRAW 250,77: PLOT 25,19: DRAW 75,59
1530 RETURN
1540 REM
1550 REM      ### DIBUJO CUADRO <3> ###
1560 REM
1570 GOSUB 1120
1580 GOSUB 1380
1590 GOSUB 1450
1600 PLOT 25,19: DRAW 75,59
1610 RETURN
1620 REM
1630 REM      ### DIBUJO CUADRO <4> ###
1640 REM
1650 GOSUB 1120
1660 GOSUB 1450
1670 PLOT 25,19: DRAW 75,59: PLOT 373,25: DRAW 325,59
1680 RETURN
1690 REM
1700 REM      ### DIBUJO CUADRO <5> ###
1710 REM
1720 GOSUB 1120
1730 GOSUB 1310
1740 GOSUB 1450
1750 PLOT 325,59: DRAW 373,25
1760 RETURN
1770 REM
1780 REM      ### DIBUJO CUADRO <6> ###
1790 GOSUB 1120
1800 GOSUB 1310
1810 PLOT 150,77: DRAW 250,77: PLOT 325,59: DRAW 373,25
1820 RETURN
1830 REM
1840 REM      ### DIBUJO CUADRO <7> ###
1850 REM

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1860 GOSUB 1120
1870 GOSUB 1310
1880 GOSUB 1380
1890 GOSUB 1450
1900 RETURN
1910 REM
1920 REM      *** 010030 CUADRO (0) ***
1930 REM
1940 GOSUB 1120
1950 PLOT 150,77:DRAW 250,77:PLOT 325,59:DRAW 373,25:PLOT 25,
    19:DRAW 75,59
1960 RETURN
1970 IF nu=1 THEN dib=11 ELSE dib=1
1980 RETURN
1990 IF nu=1 THEN dib=6 ELSE dib=16
2000 RETURN
2010 IF nu=1 THEN dib=16 ELSE dib=6
2020 RETURN
2030 IF nu=1 THEN dib=1 ELSE dib=11
2040 RETURN
2050 REM
2060 REM      *** PLANO DEL LABERINTO ***
2070 REM
2080 conta=conta+1
2090 IF conta> total THEN LOCATE 60,20:PRINT"TU PIDES DEMASIADO
    ..":GOTO 2570
2100 FOR z=410 TO 620 STEP 42
2110 PLOT z,199:DRAW z,399,1
2120 NEXT z
2130 FOR Y=199 TO 399 STEP 40
2140 PLOT 410,Y:DRAW 620,Y
2150 NEXT Y
2160 PLOT 425,239:DRAW 437,239,0
2170 PLOT 425,279:DRAW 437,279
2180 PLOT 425,319:DRAW 437,319
2190 PLOT 425,359:DRAW 437,359
2200 PLOT 467,319:DRAW 479,319
2210 PLOT 467,359:DRAW 479,359
2220 PLOT 509,239:DRAW 521,239
2230 PLOT 509,359:DRAW 521,359
2240 PLOT 551,239:DRAW 563,239
2250 PLOT 551,279:DRAW 563,279
2260 PLOT 593,199:DRAW 605,199
2270 PLOT 551,359:DRAW 563,359
2280 PLOT 593,239:DRAW 605,239
2290 PLOT 593,359:DRAW 605,359
2300 PLOT 452,214:DRAW 452,224
2310 PLOT 494,214:DRAW 494,224
2320 PLOT 536,214:DRAW 536,224
2330 PLOT 452,254:DRAW 452,264
2340 PLOT 494,254:DRAW 494,264
2350 PLOT 578,254:DRAW 578,264
2360 PLOT 452,294:DRAW 452,304
2370 PLOT 494,294:DRAW 494,304
2380 PLOT 578,294:DRAW 578,304
2390 PLOT 494,334:DRAW 494,344
2400 PLOT 536,334:DRAW 536,344
2410 PLOT 578,334:DRAW 578,344
2420 PLOT 452,374:DRAW 452,384
2430 PLOT 536,374:DRAW 536,384
2440 PLOT 578,374:DRAW 578,384
2450 IF (x>0)AND(x<6) THEN fila=2
2460 IF (x>5)AND(x<11) THEN fila=4
2470 IF (x>10)AND(x<16) THEN fila=7
2480 IF (x>15)AND(x<21) THEN fila=9
2490 IF (x>20)AND(x<26) THEN fila=12
2500 LOCATE 55+((x-1)MOD 5)*5,fila
2510 IF dib=1 THEN car%=CHR$(241)
2520 IF dib=6 THEN car%=CHR$(242)
2530 IF dib=11 THEN car%=CHR$(240)
2540 IF dib=16 THEN car%=CHR$(243)
2550 PRINT car%
2570 FOR T=1 TO 4000:NEXT T
2572 LOCATE 1,1
2575 CLS#1
2590 RETURN
9990 REM
9993 REM      *** INSTRUCCIONES ***
9995 REM
10000 MODE 1
10010 LOCATE 10,5:PRINT"ADELANTE.....";CHR$(240)
10020 LOCATE 10,5:PRINT"ATRAS..... ";CHR$(241)
10030 LOCATE 10,7:PRINT"IZQUIERDA... ";CHR$(242)
10040 LOCATE 10,9:PRINT"DERECHA.....";CHR$(243)
10050 LOCATE 10,11:PRINT"PARA VER EL PLANO PULSAR <COPY>(un
    maxi-mo de 4 veces)"
10060 LOCATE 10,14:PRINT"CADA VEZ QUE SE PULSE <ENTER> LA ORIEN-
    TACION DENTRO
    DE LA HABITACION CAMBIA 90 grados HACIA LA DERECHA"
10070 LOCATE 5,25:PRINT"Para comenzar pulsar <enter>"
10080 IF INKEY(18)=0 THEN RETURN ELSE GOTO 10080

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