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10 REM *****
15 REM GENERADOR DE CARACTERES
20 REM BY R.J.CROSKELL
25 REM *****
30 MODE 1:INK 0,10:INK 1,0:INK 2,20
:INK 3,15,1:PAPER 0:BORDER 10
35 CALL &BB48:IF PEEK(38500)=255 TH
EN 45 ELSE POKE 38500,255
40 SYMBOL AFTER 32:MEMORY 37999:SPE
ED INK 15,15
45 DIM gr%(8,8),ro%(8,8),re%(224),b
y%(8):gx%=1:gy%=1:mem%=&9470
50 f=0:p=0:mx1%=286:mx2%=534:my1%=2
78:my2%=278:KEY 140,"":GOSUB 710
55 PEN #5,3:LOCATE #5,gx%,gy%:PRINT
#5,CHR$(255);
60 k$=UPPER$(INKEY$):IF k$="" THEN
60
65 IF k$=CHR$(240) OR JOY(0)=1 THEN
95
70 IF k$=CHR$(241) OR JOY(0)=2 THEN
110
75 IF k$=CHR$(242) OR JOY(0)=4 THEN
125
80 IF k$=CHR$(243) OR JOY(0)=8 THEN
140
85 IF k$=CHR$(224) OR JOY(0)=16 THE
N 155
90 ON INSTR("GIXBCASED",k$) GOTO 17
0,205,230,290,310,430,485,505,555:G
OTO 60
95 IF gy%=1 THEN PRINT CHR$(7);:GOT
O 60 ELSE LOCATE #5,gx%,gy%
100 IF gr%(gx%,gy%)=1 THEN PEN #5,0
ELSE PEN #5,2
105 PRINT #5,CHR$(255);:gy%=gy%-1:G
OTO 55
110 IF gy%=8 THEN PRINT CHR$(7);:GO
TO 60 ELSE LOCATE #5,gx%,gy%
115 IF gr%(gx%,gy%)=1 THEN PEN #5,0
ELSE PEN #5,2
120 PRINT #5,CHR$(255);:gy%=gy%+1:G
OTO 55
125 IF gx%=1 THEN PRINT CHR$(7);:GO
TO 60 ELSE LOCATE #5,gx%,gy%
130 IF gr%(gx%,gy%)=1 THEN PEN #5,0
ELSE PEN #5,2
135 PRINT #5,CHR$(255);:gx%=gx%-1:G
OTO 55
140 IF gx%=8 THEN PRINT CHR$(7);:GO
TO 60 ELSE LOCATE #5,gx%,gy%
145 IF gr%(gx%,gy%)=1 THEN PEN #5,0
ELSE PEN #5,2
150 PRINT #5,CHR$(255);:gx%=gx%+1:G
OTO 55
155 IF gr%(gx%,gy%)=1 THEN gr%(gx%,
gy%)=0:p=0:ELSE gr%(gx%,gy%)=1:p=1
160 PLOT mx1%+(gx%*4)-2,my1%-(gy%*2
),p:PLOT mx1%+(gx%*4),my1%-(gy%*2)
165 PLOT mx2%+(gx%*2),my2%-(gy%*2):
GOTO 60
170 FOR t%=1 TO 8:FOR g%=8 TO 1 STE
P -1:c%=ABS(g%-9)
175 ro%(t%,c%)=gr%(g%,t%):NEXT:NEXT
180 FOR t%=1 TO 8:FOR g%=1 TO 8:gr%
(t%,g%)=ro%(t%,g%)
185 IF gr%(t%,g%)=1 THEN PEN #5,0:p
=1 ELSE PEN #5,2:p=0
190 LOCATE #5,t%,g%:PRINT #5,CHR$(2
55);:PLOT mx1%+(t%*4)-2,my1%-(g%*2)
,p
195 PLOT mx1%+(t%*4),my1%-(g%*2):PL
OT mx2%+(t%*2),my2%-(g%*2):NEXT:NEX
T
200 gx%=1:gy%=1:GOTO 55
205 FOR t%=1 TO 8:FOR g%=1 TO 8:LOC
ATE #5,t%,g%
210 IF gr%(t%,g%)=1 THEN gr%(t%,g%)
=0:f=2:p=0:ELSE gr%(t%,g%)=1:f=0:p=
1
215 PEN #5,f:PRINT #5,CHR$(255);:PL
OT mx1%+(t%*4)-2,my1%-(g%*2),p
220 PLOT mx1%+(t%*4),my1%-(g%*2):PL
OT mx2%+(t%*2),my2%-(g%*2)
225 NEXT:NEXT:gx%=1:gy%=1:GOTO 55
230 CLS #2:LOCATE #2,2,2:INPUT #2,"
Caracter a cargar [32-255]-",char$
235 IF VAL(char$)<32 OR VAL(char$)>
255 THEN 230 ELSE CLS #2
240 v%=VAL(char$):v%=(v%-32)*8:FOR

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1%+0 TO 7:BY%(T%+1)=PEEK(39000+V%+T%):NEXT
245 FOR T%=1 TO 8:R%=1:FOR G%=7 TO
0 STEP -1
250 IF BY%(T%)>2*G% THEN 260
255 GR%(R%,T%)=0:GOTO 265
260 BY%(T%)=BY%(T%)-2*G%:GR%(R%,T%)
=1
265 R%=R%+1:NEXT:NEXT:FOR T%=1 TO 8
:FOR G%=1 TO 8
270 IF GR%(T%,G%)=1 THEN PEN #5,0:P
=1:ELSE PEN #5,2:P=0
275 LOCATE #5,T%,G%:PRINT #5,CHR$(2
55);:PLOT MX1%+(T%*4)-2,MY1%-(G%*2)
,P
280 PLOT MX1%+(T%*4),MY1%-(G%*2):PL
OT MX2%+(T%*2),MY2%-(G%*2):NEXT:NEX
T
285 GX%=1:GY%=1:LOCATE #2,8,2:PRINT
#2,"** AREA DE INFORMACION **":GOT
O 55
290 LOCATE #5,1,1:PEN #5,2:PRINT #5
,STRING$(64,255);
295 FOR T%=6 TO 9:LOCATE #4,4,T%:PR
INT #4,STRING$(4,32);
300 LOCATE #4,19,T%:PRINT #4,STRING
$(4,32);:NEXT
305 ERASE GR%:DIM GR%(8,8):GX%=1:GY
%=1:GOTO 55
310 CLS #2:PEN #2,1:LOCATE #2,4,1:P
RINT #2,"Antes de realizar una gra
vacion"
315 LOCATE #2,4,2:PRINT #2,"archiva
los carateres con [S] ?"
320 LOCATE #2,12,3:PRINT #2,"Si o N
o (S o N)."
325 K$=UPPER$(INKEY$):IF K$="S" OR
K$="N" THEN 330 ELSE 325
330 ON INSTR("SN",K$) GOTO 335,425
335 CLS #2:LOCATE #2,4,2:PRINT #2,"
Salvar o Cargar Carateres (S o C)"
340 K$=UPPER$(INKEY$):IF K$="S" OR
K$="C" THEN 345 ELSE 340
345 IF K$="S" THEN 390
350 CLS #2:LOCATE #2,2,2:INPUT #2,"
Nombre [8 Max]-",NAME$
355 IF LEN(NAME$)>8 THEN 350 ELSE C
LS #2:NAME$=UPPER$(NAME$)
360 LOCATE #2,6,2:PRINT #2,"Pulsa P
LAY, y luego una tecla":WHILE INKEY
$="" :WEND
365 CLS #2:LOCATE #2,7,2:PRINT #2,"
Cargando [!];NAME$;"]."
370 LOAD"!"+NAME$:OPENIN"!"+NAME$+
".CHR":FOR T%=1 TO 224:INPUT #9,RE%(
T%):NEXT:CLOSEIN
375 CLS #2:LOCATE #2,9,2:PRINT #2,"
Programa en memoria."
380 FOR T=1 TO 3000:NEXT:CLS #2:LOC
ATE #2,8,2
385 PRINT #2,"** AREA DE INFORMACIO
N **":GOTO 60
390 CLS #2:LOCATE #2,2,2:INPUT #2,"
Nombre [8 Max]-",NAME$
395 IF LEN(NAME$)>8 THEN 390 ELSE C
LS #2:NAME$=UPPER$(NAME$)
400 CLS #2:LOCATE #2,6,2:PRINT #2,"
Pulsa REC+PLAY y una tecla"
405 WHILE INKEY$="" :WEND:CLS #2:LOC
ATE #2,7,2:PRINT #2,"Salvando [!];na
ME$;"]."
410 SAVE"!"+NAME$,B,39000,1792:OPEN
OUT"!"+NAME$+".CHR":FOR T%=1 TO 224
:WRITE #9,RE%(T%):NEXT
415 CLOSEOUT:CLS #2:LOCATE #2,12,2:
PRINT #2,"Caracteres Salvados"
420 FOR T=1 TO 3000:NEXT
425 CLS #2:LOCATE #2,8,2:PRINT #2,"
** AREA DE INFORMACION **":GOTO 60
430 CLS #2:LOCATE #2,4,2:INPUT #2,"
Caracter numero [32-255]-",CHAR$
435 IF VAL(CHAR$)<32 OR VAL(CHAR$)>
255 THEN 430 ELSE CLS #2
440 V%=VAL(CHAR$):IF RE%(V%-31)=0 T
HEN 465 ELSE CLS #2
445 LOCATE #2,3,2:PRINT #2,"Caracte
r ya definido, cambio [S/N]"
450 K$=UPPER$(INKEY$):IF K$="S" OR
K$="N" THEN 455 ELSE 450
455 IF K$="S" THEN 465 ELSE CLS #2:
LOCATE #2,8,2
460 PRINT #2,"** AREA DE INFORMACIO
N **":GOTO 60
465 GOSUB 695:V%=(V%-32)*8:FOR T%=0
TO 7
470 POKE 39000+V%+T%,BY%(T%+1):NEXT
:CLS#2:LOCATE #2,11,2
475 PRINT #2,"Caracter Archivado":r
e%(V%/8+1)=1:FOR T=1 TO 3000
480 NEXT:CLS #2:LOCATE #2,8,2:PRINT
#2,"** AREA DE INFORMACION **":GOT
O 60
485 CLS #2:PEN #2,1:LOCATE #2,7,2:P
RINT #2,"Salir del generador [S/N]"
490 K$=UPPER$(INKEY$):IF K$="S" OR
K$="N" THEN 495 ELSE 490
495 IF K$="S" THEN MODE 1:PRINT"Pro
grama desconectado":END
500 CLS #2:LOCATE #2,8,2:PRINT #2,"
** AREA DE INFORMACION **":GOTO 60
505 CLS #2:LOCATE #2,3,2:PRINT #2,"
Plano Vertical o Horizontal (V/H)"
510 K$=UPPER$(INKEY$):IF K$="V" OR
K$="H" THEN 515 ELSE 510
515 IF K$="V" THEN 525 ELSE FOR T%=
8 TO 1 STEP -1:FOR G%=1 TO 8
520 RO%(G%,T%)=GR%(G%,ABS(T%-9)):NE
XT:NEXT:GOTO 530
525 FOR T%=8 TO 1 STEP -1:FOR G%=1
TO 8:RO%(T%,G%)=GR%(ABS(T%-9),G%):N
EXT:NEXT
530 FOR T%=1 TO 8:FOR G%=1 TO 8:GR%
(T%,G%)=RO%(T%,G%):LOCATE #5,T%,G%
535 IF GR%(T%,G%)=1 THEN PEN #5,0:P
=1 ELSE PEN #5,2:P=0
540 PRINT #5,CHR$(255);:PLOT MX1%+(
T%*4)-2,MY1%-(G%*2),P
545 PLOT MX1%+(T%*4),MY1%-(G%*2):PL
OT MX2%+(T%*2),MY2%-(G%*2):NEXT:NEX
T
550 CLS #2:LOCATE #2,9,2:PRINT #2,"
** AREA DE INFORMACION **":GOTO 55
555 CODE%=32:CLS #2:LOCATE #2,6,2:P
RINT #2,"Por Pantalla o Impresora (
P/I)"
560 K$=UPPER$(INKEY$):IF K$="P" OR
K$="I" THEN 565 ELSE 560
565 IF K$="I" THEN 615:ELSE CLS #2
:FOR T%=0 TO 223:IF RE%(T%+1)=0 THE
N 535
570 CLS #2:FOR T%=(CODE%-32) TO 223
:IF RE%(T%+1)=0 THEN 585
575 CLS #2:LOCATE #2,1,2:PEN #2,0:P
RINT #2,STR$(T%+32);:PEN #2,1:FOR G
%=0 TO 7
580 A%=(T%*8):P%=PEEK(39000+A%+G%):
PRINT #2,STR$(P%);:NEXT:GOTO 590
585 CLS #2:LOCATE #2,13,2:PEN #2,1:
PRINT #2,STR$(T%+32);:V A C I O"
590 LOCATE #2,2,3:PEN #2,1:PRINT #2
,"[F] Fin [N] Proximo [C] Carac
ter"
595 K$=UPPER$(INKEY$):IF K$="F" OR
K$="N" OR K$="C" THEN 600 ELSE 595
600 ON INSTR("FNC",K$) GOTO 675,605
,610
605 NEXT:GOTO 675
610 GOSUB 680:GOTO 570
615 CLS #2:PEN #2,1:LOCATE #2,1,2:P
RINT #2,"Prepara la impresora y pul
sa una tecla"
620 WHILE INKEY$="" :WEND:FOR T%=0
TO 223:IF RE%(T%+1)=0 THEN 580
625 FOR T%=(CODE%-32) TO 223:IF RE%(
T%+1)=0 THEN 645
630 CLS #2:LOCATE #2,1,2:PEN #2,0:P
RINT #2,STR$(T%+32);:PEN #2,1
635 PRINT #8,"SYMBOL";STR$(T%+32);:
FOR G%=0 TO 7:A%=(T%*8):P%=PEEK(39000
+A%+G%)
640 PRINT #2,STR$(P%);:PRINT #8,STR
$(P%);:NEXT:PRINT #8,CHR$(13):GOTO
650
645 CLS #2:LOCATE #2,13,2:PEN #2,1:
PRINT #2,STR$(T%+32);:V A C I O"
650 LOCATE #2,2,3:PEN #2,1:PRINT #2
,"[F] Fin [N] Proximo [C] Carac
ter"
655 K$=UPPER$(INKEY$):IF K$="F" OR
K$="N" OR K$="C" THEN 660 ELSE 655
660 ON INSTR("FNC",K$) GOTO 675,665
,670
665 NEXT:GOTO 675
670 GOSUB 680:GOTO 625
675 CLS #2:LOCATE #2,7,2:PRINT #2,"
** AREA DE INFORMACION **":GOTO 55
680 LOCATE #2,1,2:PRINT #2,CHR$(18)
;:LOCATE #2,2,2:PEN #2,1
685 INPUT #2,"Caracter numero (32 t
o 255)",CODE%
```