

CARGADOR UNIVERSAL

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10 REM CARGADOR UNIVERSAL
20 REM 5/6/87
30 REM DANIEL CALVO
40 MEMORY &2FFF:DEFINT A-Z:SPEED WR
ITE 1
50 GOSUB 1150:REM CODIGO MAQUINA
60 MODE 1:INK 0,0:INK 1,26:INK 2,14
:INK 3,18:BORDER 0
70 LOCATE 12,5:PRINT "1.- INTRODUCI
R"
80 LOCATE 12,7:PRINT "2.- LISTADOS"
90 LOCATE 12,9:PRINT "3.- SALVAR BI
NARIO"
100 LOCATE 12,11:PRINT "4.- SALVAR
BASIC"
110 LOCATE 12,13:PRINT "5.- CARGAR
BINARIO"
120 LOCATE 12,15:PRINT "6.- CARGAR
BASIC"
130 LOCATE 14,20:PRINT "ELIGE OPCIO
N"
140 K$=INKEY$:IF K$="" THEN 140 ELS
E IF ASC(K$)<49 OR ASC(K$)>54 THEN
140
150 ON VAL(K$) GOSUB 170,440,610,66
0,900,950
160 GOTO 60
170 IF NOW<>0 THEN 200
180 MODE 1:INPUT "DIRECCION DE COMI
ENZO ",BEGIN
190 IF BEGIN<-32768 OR BEGIN>32767
THEN 180 ELSE NOW=&5000:LON=0:AUT=1
200 MODE 1:WINDOW #1,1,40,1,1:PAPER
#1,1:PEN #1,0:CLS #1:WINDOW 1,40,2
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,24:WINDOW #2,1,40,25,25:PAPER #2,2
:PEN #2,0:CLS #2
210 PRINT #1,TAB(10)"DATOS"TAB(32)"
SUMA"
220 PLOT 448,16,3:DRAWR 0,366:L=1
230 LOCATE 1,L:PRINT USING "###";AU
T$:INPUT " ",A$:IF A$="" THEN RETUR
N ELSE A$=UPPER$(A$):LOCATE 5,L:PRI
NT A$
240 CHECKSUM=0
250 IF LEN(A$)<>24 THEN PRINT #2,TAB(12)"LONGITUD ERRONEA";CHR$(7):LOC
ATE 1,L:PRINT SPACE$(40):PLOT 448,1
6,3:DRAWR 0,366:FOR T=1 TO 500:NEXT
:PRINT #2:GOTO 230
260 FOR X=1 TO 24:P$=MID$(A$,X,1)
270 IF (P$<"0" OR P$>"9") AND (P$<"
A" OR P$>"F") THEN GOSUB 410
280 IF (X MOD 2)=0 THEN CHECKSUM=CH
ECKSUM+VAL("&" +MID$(A$,X-1,2))
290 NEXT
300 LOCATE 32,L:INPUT ">",CHECK$:IF
CHECK$="" THEN CHECK$="0" ELSE CHE
CK$=UPPER$(CHECK$):LOCATE 33,L:PRIN
T CHECK$
310 FOR X=1 TO LEN(CHECK$):P$=MID$(
CHECK$,X,1)
320 IF (P$<"0" OR P$>"9") AND (P$<"
A" OR P$>"F") THEN PRINT #2,TAB(7)"
CARACTERES NO HEXADECIMALES";CHR$(7
):FOR T=1 TO 500:NEXT:LOCATE 32,L:P
RINT SPACE$(8):PRINT #2:GOTO 300
330 NEXT
340 CHECK=VAL("&" +CHECK$):IF CHECK<
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>CHECKSUM THEN PRINT #2,TAB(13)"SUM
A INCORRECTA";CHR$(7):FOR T=1 TO 50
0:NEXT:LOCATE 1,L:PRINT SPACE$(40):
PLOT 448,16,3:DRAWR 0,366:PRINT #2:
GOTO 230
350 FOR X=1 TO 24 STEP 2
360 BYTE=VAL("&" +MID$(A$,X,2))
370 POKE NOW,BYTE:NOW=NOW+1:LON=LON
+1
380 NEXT
390 AUT=AUT+1
400 L=L+1:IF L=24 THEN CLS:GOTO 220
ELSE 230
410 LOCATE X+4,L:PRINT CHR$(24);P$;
CHR$(24)
420 K$=INKEY$:IF K$="" THEN 420
430 IF (K$<"0" OR K$>"9") AND (K$<"
A" OR K$>"F") THEN 420 ELSE LOCATE
X+4,L:PEN 1:PRINT K$:MID$(A$,X,1)=K
$:RETURN
440 REM LISTADOS
450 IF NOW=0 THEN RETURN
460 CLS:LOCATE 8,11:PRINT "[ ";PEN
3:PRINT "P";PEN 1:PRINT "JANTALLA
O [ ";PEN 3:PRINT "I";PEN 1:PRINT
"IMPRESORA"
470 K$=UPPER$(INKEY$):IF K$="" OR N
OT(K$="P" OR K$="I") THEN 470
480 IF K$="I" THEN CH=8 ELSE CH=0
490 LIN=1:CLS:PRINT #CH,"DIRECCION
DE COMIENZO..";HEX$(BEGIN,4):PRINT
#CH
500 FOR X=&5000 TO NOW-1 STEP 12
510 CHECKSUM=0:PRINT #CH,USING "###"
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";LIN;PRINT #CH," ";
520 FOR Y=0 TO 11
530 PRINT #CH,HEX$(PEEK(X+Y),2);
540 CHECKSUM=CHECKSUM+PEEK(X+Y)
550 NEXT
560 PRINT #CH,"";HEX$(CHECKSUM,3)
570 LIN=LIN+1
580 NEXT
590 PRINT "PULSA UNA TECLA"
600 WHILE INKEY$="":WEND:RETURN
610 REM SALVAR EN BINARIO
620 IF NOW=0 THEN RETURN
630 CLS:LOCATE 6,10:INPUT "NOMBRE D
EL FICHERO ",NOM$
640 SAVE NOM$,B,&5000,LON
650 RETURN
660 REM SALVAR EN BASIC
670 IF NOW=0 THEN RETURN
680 CLS:LOCATE 6,10:INPUT "NOMBRE D
EL FICHERO ",NOM$
690 LIN=200
700 OPENOUT NOM$
710 PRINT #9,"10 REM PROGRAMA CARGA
DDR"
720 PRINT #9,"20 FOR X=&";HEX$(BEGI
N,4);" TO &";HEX$(BEGIN+LON-1,4);"
STEP 12"
730 PRINT #9,"30 READ LIN$,CHECK$:C
HECKSUM=0"
740 PRINT #9,"40 FOR Y=1 TO 24 STEP
2"
750 PRINT #9,"50 BYTE=VAL("+CHR$(34
)+"&"+CHR$(34)+"+MID$(LIN$,Y,2))"
760 PRINT #9,"60 CHECKSUM=CHECKSUM+
BYTE"
770 PRINT #9,"70 POKE X+Y/2,BYTE"
780 PRINT #9,"80 NEXT"
790 PRINT #9,"90 IF CHECKSUM<>VAL("
+CHR$(34)+"&"+CHR$(34)+"+CHECK$) TH
EN PRINT "+CHR$(34)+"ERROR"+CHR$(34
)+"":END"
800 PRINT #9,"100 NEXT:END"
810 FOR X=&5000 TO NOW-1 STEP 12
820 CHECKSUM=0:PRINT #9,STR$(LIN);"
DATA ";
830 FOR Y=0 TO 11
840 PRINT #9,HEX$(PEEK(X+Y),2);
850 CHECKSUM=CHECKSUM+PEEK(X+Y)
860 NEXT
870 PRINT #9,"";HEX$(CHECKSUM,3)
880 LIN=LIN+10:NEXT
890 CLOSEOUT:RETURN
900 REM CARGAR EN BINARIO
910 CLS:LOCATE 6,10:INPUT "NOMBRE D
EL FICHERO ",NOM$:NOM$=UPPER$(NOM$)
:IF NOM$="" THEN 910
920 BEGIN=0:LON=0:CALL &3000,@NOM$,
@BEGIN,@LON:NOW=&5000+LON
930 AUT=INT(LON/12)+1
940 RETURN
950 REM CARGAR EN BASIC
960 CLS:LOCATE 6,10:INPUT "NOMBRE D
EL FICHERO ",NOM$:AUT=1
970 OPENIN NOM$
980 LINE INPUT #9,A$
990 LINE INPUT #9,A$:A=INSTR(A$,"&
):BEGIN=VAL("&"+MID$(A$,A+1,4))
1000 NOW=&5000:LON=0
1010 WHILE INSTR(A$,"NEXT:END")=0
1020 LINE INPUT #9,A$
1030 WEND
1040 WHILE NOT EOF
1050 LINE INPUT #9,A$
1060 A=INSTR(A$,"DATA"):A=A+5
1070 DATO$=MID$(A$,A,24)
1080 FOR X=1 TO 24 STEP 2
1090 POKE NOW,VAL("&"+MID$(DATO$,X,
2)):LON=LON+1:NOW=NOW+1
1100 NEXT
1110 AUT=AUT+1
1120 WEND
1130 CLOSEIN
1140 RETURN
1150 REM C/M
1160 FOR X=&3000 TO &3032
1170 READ A$:POKE X,VAL("&"+A$)
1180 NEXT:RETURN
1190 DATA DD,6E,00,DD,66,01,E5,DD,6
E,02,DD,66,03,E5,DD,6E,04,DD,66,05,
7E,23,5E,23,56
1200 DATA EB,47,11,70,30,CD,77,BC,E
1,73,23,72,E1,71,23,70,21,00,50,CD,
83,BC,CD,7A,BC,C9

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PROGRAMA EJEMPLO

DIRECCION DE COMIENZO..A000

1 21B5A11140003E2CCDA1BCCD,4F9
2 6CBB212CA10609CDEDA021B5,524
3 A1060FCDEDA03E0ACD5ABB3E,57B
4 0DCD5ABB215BA10607CDEDA0,573
5 3A97A1F5E606FE00CAF5A0FE,7AE
6 02CA00A1FE04CA0BA1FE06CA,5B3
7 16A1F1E601FE01CA21A13E0A,562
8 CD5ABB3E0DCD5ABB2162A106,539
9 0BCDEDA03A95A1F5D60A380F,5F1
10 3E31CD5ABBF1D60AC630CD5A,63F
11 BB1B06F1C630CD5ABB3E0ACD,5B7
12 5ABB3E0DCD5ABB216DA1060C,4B3
13 CDEDA02A9BA1CDA4A02179A1,709
14 060CCDEDA02A9AA137111027,450
15 233E2F3CED5230FBCDE2A011,596
16 E8033CED5230FBCDE2A01164,655
17 003CED5230FBCDE2A0110A00,510
18 3CED5230FBCDE2A085CDE2A0,7C9

[illegible]