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10 ' *****
20 ' * Programa de transferencia de *
30 ' * pantallas de Spectrum a *
40 ' * A M S T R A D *
50 ' *=====*
60 ' * Copyright (C) AMSTRAD USER *
70 ' *****
80 '
90 '
100 BORDER 0:MEMORY 18000:CALL &BBFF:CAL
L &BB4E:' INICIALIZAR PANTALLA
110 dircar=39755:atrib=40003:pantcomp=&9
CE3
120 coordx=40000:coordy=40002:' X & Y pa
ra las rutinas en codigo maquina
130 GOSUB 500:' CARGAR CODIGO MAQUINA
140 pantam=&C000:pantsp=32768:' Direccio
nes de pantalla de AMSTRAD y Spectrum
150 INK 1,13:INK 0,1:PAPER 0:PEN 1:CLS:P
RINT"Carga de la pantalla de SPECTRUM, p
ulsa una tecla."
160 IF INKEY$="" THEN 160
170 CALL dircar,pantsp
180 ON ERROR GOTO 1110:MODE 0:WINDOW#1,1
,20,25,25:PEN#1,7:PAPER#1,0

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190 RESTORE 200:FOR i%=0 TO 15:READ j%:I
NK i%,j%:NEXT:' Inicializar las tintas d
e 0 a 15
200 DATA 0,1,9,10,3,4,12,13,0,2,18,20,6,
8,24,26
210 PRINT#1,"C,V,T o G";:' Opciones a el
egir
220 a$=INKEY$:IF a$="" THEN 220
230 a$=UPPER$(a$):IF a$="C" THEN 360
240 IF a$="V" THEN 380
250 IF a$="T" THEN 330
260 260 IF a$<>"G" THEN 220
270 ' *** SECCION de grabacion de pantall
a ***
280 CLS#1:PRINT#1,"Pulsa una tecla";
290 IF INKEY$<>" " THEN 290
300 IF INKEY$="" THEN 300
310 CLS#1:PRINT#1,"Grabando...";
320 SAVE"!pantspec",b,pantam,16384:CLS#1
:GOTO 210
330 ' *** SECCION de cambio de tintas ***
340 CLS#1:INPUT#1,"Tinta no. ";tinta%:CL
S#1
350 INPUT#1,"Color no. ";col%:CLS#1:INK
tinta%,col%:GOTO 210
360 ' *** Comprimir el Spectrum en AMSTR
AD ***
370 CALL pantcomp:GOTO 220:' TODO realiz
ado en codigo maquina
380 ' *** ENMARCAR parte de la pantalla
de Spectrum ***
390 CLS#1:INPUT#1,"Desp. 0-96";desp:base
pant=pantam:dirpant=basepant:CLS#1
400 IF (desp<0) OR (desp>96) THEN 390
410 FOR y%=191 TO 0 STEP -1:POKE coordx,
desp:POKE coordy,y%
420 FOR x%=desp TO desp+159 STEP 2
430 IF INKEY$="" THEN ERROR 17:' SI PUL
SAS ESPACIO, CANCELAR
440 papel%=0:tinta%=0:pixel%=0:CALL atri
b,@pixel%,@papel%,@tinta%:col%=papel%:IF
pixel%<>0 THEN col%=tinta%
450 CALL atrib,@pixel%,@papel%,@tinta%:c
ol2%=papel%:IF pixel%<>0 THEN col2%=tint
a%
460 POKE dirpant,2*col%+col2%:dirpant=di
rpant+1:NEXT
470 IF (y% MOD 8)=0 THEN basepant=basepa
nt+80:dirpant=basepant:GOTO 490
480 dirpant=dirpant+2048-80
490 NEXT:CLS#1:GOTO 210
500 ' Cargar las secciones en codigo maq
uina
510 ' Primero el codigo maquina para lee
r cintas de Spectrum
520 ' en formato de pantalla de Amstrad
530 ' Esto se utiliza haciendo:
540 ' CALL 39755,direccion (donde direcc
ion
550 ' es la direccion de carga requerida
)
560 ' observe por ejemplo la linea 170 d
e BASIC
570 ' se puede leer CUALQUIER volcado de
Spectrum.

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580 ' no solo volcados de pantallas.
590 RESTORE 670:direccion=39750:GOSUB 62
0
600 ' Ahora la rutina de codigo maquina
para decodificar la pantalla de Spectrum
610 RESTORE 850:direccion=40000:GOSUB 62
0:RETURN
620 ' Cargar el codigo maquina con compr
obacion de errores
630 codigo=0:comprob=0
640 WHILE codigo>=0:READ codigo:POKE dir
eccion,ABS(codigo):direccion=direccion+1
:comprob=comprob+codigo:WEND
650 IF codigo=-2 THEN READ prob,linea:IF
prob<>comprob THEN CLS:PRINT"Error en l
a linea ";linea:STOP:ELSE direccion=dire
ccion-1:GOTO 630
660 RETURN
670 DATA 0,0,0,0,0,-2,-2,670
680 DATA 205,110,188,243,221,126,0,50,70
,155,221,126,1,50,-2,1764,680
690 DATA 71,155,217,197,1,0,245,217,8,24
5,8,62,0,50,74,155,-2,1703,690
700 DATA 221,42,70,155,17,17,0,62,0,205,
154,155,48,28,221,42,-2,1435,700
710 DATA 70,155,221,94,11,221,86,12,62,2
55,205,154,155,48,11,8,241,-2,2007,710
720 DATA 8,217,193,217,205,113,188,251,2
01,62,1,50,74,155,24,238,20,8,21,-2,2244
,720
730 DATA 62,0,31,31,230,32,79,191,0,205,
33,156,48,250,33,21,-2,1400,730
740 DATA 4,16,254,43,124,181,32,249,205,
29,156,48,235,6,142,-2,1722,740
750 DATA 205,29,156,48,228,62,190,184,48
,224,36,32,241,6,194,-2,1881,750
760 DATA 205,33,156,48,213,120,254,206,4
8,244,205,33,156,208,-2,2127,760
770 DATA 121,230,255,79,38,0,6,165,24,31
,8,32,7,0,0,221,117,-2,1332,770
780 DATA 0,24,15,203,17,173,192,121,31,7
9,19,24,7,221,126,0,173,-2,1423,780
790 DATA 192,221,35,27,8,6,167,46,1,205,
29,156,208,62,196,184,-2,1741,790
800 DATA 203,21,6,165,210,4,156,124,173,
103,122,179,32,202,-2,1698,800
810 DATA 124,254,1,201,205,33,156,208,62
,25,61,32,253,167,-2,1780,810
820 DATA 4,200,217,237,120,217,31,31,169
,230,32,40,243,121,47,-2,1937,820
830 DATA 79,230,7,246,8,55,201,-2,824,83
0
840 DATA -1
850 ' RUTINA PARA TRANSFERENCIA DE PANTA
LLAS
860 DATA 0,0,0,58,66,156,71,62,191,144,2
30,248,-2,1224,860
870 DATA 111,38,0,84,41,41,58,64,156,60,
50,64,-2,765,870
880 DATA 156,61,31,31,31,230,31,95,25,17
,0,152,-2,858,880
890 DATA 25,126,230,7,79,126,31,31,31,23
0,7,71,-2,992,890
900 DATA 203,118,40,8,62,8,129,79,62,8,1
28,71,-2,914,900
910 DATA 121,205,203,156,120,221,35,221,
35,205,203,156,-2,1879,910

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920 DATA 33,66,156,62,191,150,79,230,7,8  
7,121,31,-2,1211,920  
930 DATA 31,31,230,31,71,230,24,130,87,1  
20,230,7,-2,1220,930  
940 DATA 23,23,23,23,23,95,43,43,126,61,  
71,31,-2,583,940  
950 DATA 31,31,230,31,131,95,120,230,7,6  
0,71,33,-2,1068,950  
960 DATA 0,128,25,126,23,5,32,252,62,0,1  
43,221,-2,1015,960  
970 DATA 110,2,221,102,3,119,201,14,0,30  
,4,31,-2,835,970  
980 DATA 203,17,167,203,17,29,32,247,167  
,203,25,221,-2,1529,980  
990 DATA 110,0,221,102,1,113,201,33,0,19  
2,93,84,-2,1148,990  
1000 DATA 62,191,50,66,156,175,50,64,156  
,221,33,58,-2,1280,1000  
1010 DATA 157,229,213,205,67,156,205,68,  
157,135,221,119,-2,1930,1010  
1020 DATA 6,205,67,156,205,68,157,221,13  
4,6,33,64,-2,1320,1020  
1030 DATA 156,52,209,225,18,19,58,64,156  
,254,238,56,-2,1503,1030  
1040 DATA 216,58,66,156,230,7,40,18,235,  
1,176,7,-2,1208,1040  
1050 DATA 9,235,1,66,156,10,214,1,2,210,  
237,156,-2,1295,1050  
1060 DATA 251,201,1,80,0,9,93,84,24,236,  
65,157,-2,1199,1060  
1070 DATA 66,157,67,157,0,0,0,0,221,33,6  
5,157,-2,921,1070  
1080 DATA 221,78,0,221,70,1,221,126,2,16  
7,40,1,-2,1146,1080  
1090 DATA 65,120,221,33,58,157,201,-2,85  
3,1090  
1100 DATA -1,0,0  
1110 RESUME 210