

```
1 REM CREADOR DE PANTALLAS
10 MODE 1:MEMORY 9999:LOAD"CONSBIN"
,&A000
20 GOSUB 80:GOSUB 210
30 CALL &A000
40 DIRE=PEEK(&A265)+256*PEEK(&A266)
50 LONG=DIRE-41983
60 SAVE"DATPAN",B,&A300, LONG
70 END
80 REM
90 REM
100 REM * COLOCA DATOS DE LOS GRAFI
COS *
110 REM * EN MEMORIA: ANCHO, ALTO Y D
IR. *
120 REM
130 REM
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```
140 N=&A270:RESTORE 200
150 READ A:IF A=255 THEN POKE N,A:R
ETURN
160 POKE N,A
170 READ B:POKE (N+1),B
180 READ C:POKE (N+3),INT(C/256):PO
KE (N+2),(C-256*PEEK(N+3))
190 N=N+4:GOTO 150
200 DATA 1,4,20000,1,4,20032,1,4,20
064,255
210 FOR N=20000 TO 20031:POKE N,255
:NEXT
220 FOR N=20032 TO 20063:POKE N,15:
NEXT
230 FOR N=20064 TO 20095:POKE N,240
:NEXT
240 RETURN
```

1	ORG	#A000	53	JR	BUCLE	105	TRASP:	LD	A, (IX+0)
2			54			106		LD	(IY+0), A
3			55			107		CP	255
4	; CONSTRUCTOR	DE PANTALLAS	56	PONDAT:	CALL INICUR	108		JR	Z, FITRAS
5			57		CALL STORE	109		LD	A, (IX+1)
6			58		CALL REVIS	110		LD	(IY+1), A
7			59		CALL PONPA	111		LD	A, (IX+2)
8			60		LD IX, (POSBUF)	112		LD	(IY+2), A
9			61		LD HL, (POSIC)	113		LD	A, (IX+3)
10	INIC:	LD HL, BUFFER	62		LD (IX+0), L	114		LD	(IY+3), A
11		LD DE, BUFFER+1	63		LD (IX+1), H	115		LD	A, (IX+4)
12		LD BC, #100	64		LD B, (IY+0)	116		LD	(IY+4), A
13		LD (HL), 0	65		LD (IX+2), B	117		LD	A, (IX+5)
14		LDIR	66		LD C, (IY+1)	118		LD	(IY+5), A
15		LD HL, BUFFER	67		LD (IX+3), C	119		LD	DE, 6
16		LD (HL), 255	68		LD E, (IY+2)	120		ADD	IX, DE
17		LD (POSEBUF), HL	69		LD (IX+4), E	121		ADD	IY, DE
18	INIC1:	CALL INICUR	70		LD D, (IY+3)	122		JR	TRASP
19	BUCLE:	LD HL, (POSIC)	71		LD (IX+5), D	123	BOR02:	LD	DE, 6
20		LD (POSANT), HL	72		LD (IX+6), 255	124		ADD	IY, DE
21		XOR A	73		INC IX	125		JR	BOR01
22		CALL #BB1E	74		INC IX	126			
23		JR Z, PAS1	75		INC IX	127	FITRAS:	LD	B, 10
24		CALL UP	76		INC IX	128		LD	(POSBUF), IY
25		JR BUCLE	77		INC IX	129		INC	IY
26	PAS1:	LD A, 2	78		INC IX	130	FIT01:	LD	(IY+0), 0
27		CALL #BB1E	79		LD (POSEBUF), IX	131		INC	IY
28		JR Z, PAS2	80		EX DE, HL	132		DJNZ	FIT01
29		CALL DOWN	81		CALL PINKOR	133		RET	
30		JR BUCLE	82		JP INIC1	134			
31	PAS2:	LD A, 8	83			135			
32		CALL #BB1E	84	BORRA:	LD IY, BUFFER	136	REVIS:	LD	IY, DATOS
33		JR Z, PAS3	85		LD HL, (POSIC)	137	REV01:	LD	A, (IY+0)
34		CALL LEFT	86	BOR01:	LD A, (IY+0)	138		CP	255
35		JR BUCLE	87		CP 255	139		JR	NZ, REV02
36	PAS3:	LD A, 1	88		RET Z	140		LD	IY, DATOS
37		CALL #BB1E	89		LD A, (IY+0)	141	REV02:	LD	B, (IY+0)
38		JR Z, PAS4	90		CP L	142		LD	C, (IY+1)
39		CALL RIGHT	91		JR NZ, BOR02	143		LD	L, (IY+2)
40		JR BUCLE	92		LD A, (IY+1)	144		LD	H, (IY+3)
41	PAS4:	LD A, 9	93		CP H	145		LD	DE, 0
42		CALL #BB1E	94		JR NZ, BOR02	146		PUSH	HL
43		JR Z, PAS5	95		EX DE, HL	147		PUSH	DE
44		JP PONDAT	96		LD B, (IY+2)	148		PUSH	BC
45	PAS5:	LD A, 16	97		LD C, (IY+3)	149		CALL	PINKOR
46		CALL #BB1E	98		LD L, (IY+4)	150		CALL	#BB18
47		JR Z, PAS6	99		LD H, (IY+5)	151		POP	BC
48		CALL BORRA	100		CALL PINKOR	152		POP	DE
49		JR BUCLE	101		PUSH IY	153		POP	HL
50	PAS6:	LD A, 54	102		POP IX	154		CALL	PINKOR
51		CALL #BB1E	103		LD DE, 6	155		LD	A, 18
52		RET NZ	104		ADD IX, DE	156		CALL	#BB1E


```
10 REM * PROGRAMA BASIC CARGADOR *
20 REM * CREADOR DE PANTALLAS *
30 REM *****
40 REM
50 REM
60 FOR N=&A000 TO &A07F
70 READ A:SUMA=SUMA+A
80 POKE N,A
90 NEXT
100 IF SUMA<>&371B THEN PRINT "ERRO
R EN DATAS"
110 DATA 221,33,0,164,221,126,0
120 DATA 254,255,200,221,94,0,221
130 DATA 86,1,221,70,2,221,78
140 DATA 3,221,110,4,221,102,5
150 DATA 221,229,205,42,160,221,225
160 DATA 17,6,0,221,25,24,218
170 DATA 235,36,44,120,203,39,203
180 DATA 39,203,39,50,124,160,121
190 DATA 50,125,160,213,235,33,176
200 DATA 191,66,22,0,29,25,17
210 DATA 80,0,25,16,253,221,225
220 DATA 58,124,160,71,24,21,124
230 DATA 230,56,254,56,40,6,124
240 DATA 198,8,103,24,8,17,80
250 DATA 0,124,238,56,103,25,197
260 DATA 229,58,125,160,71,221,126
270 DATA 0,119,221,35,35,16,247
280 DATA 225,193,16,216,201,0,0
290 DATA 0,117,0,221,116,1,253
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1	ORG #A000	27	LD A, B	54	LD H, A
2		28	SLA A	55	JR COLOC
3	; RUTINA DE CREACION DE PANTALLAS	29	SLA A	56	P_PAS: LD DE, 0080
4		30	SLA A	57	LD A, H
5		31	LD (ALTO), A	58	XOR 56
6	LD IX, DATOS	32	LD A, C	59	LD H, A
7	BUCLE: LD A, (IX+0)	33	LD (ANCHO), A	60	ADD HL, DE
8	CP 255	34	PUSH DE	61	COLOC: PUSH BC
9	RET Z	35	EX DE, HL	62	PUSH HL
10	LD E, (IX+0)	36	LD HL, #C000-80	63	LD A, (ANCHO)
11	LD D, (IX+1)	37	LD B, D	64	LD B, A
12	LD B, (IX+2)	38	LD D, 0	65	P_BUC1: LD A, (IX+0)
13	LD C, (IX+3)	39	DEC E	66	LD (HL), A
14	LD L, (IX+4)	40	ADD HL, DE	67	INC IX
15	LD H, (IX+5)	41	LD DE, 80	68	INC HL
16	PUSH IX	42	S_BUC: ADD HL, DE	69	DJNZ P_BUC1
17	CALL PINFIG	43	DJNZ S_BUC	70	POP HL
18	POP IX	44	POP IX	71	POP BC
19	LD DE, 6	45	LD A, (ALTO)	72	DJNZ P_BUC
20	ADD IX, DE	46	LD B, A	73	RET
21	JR BUCLE	47	JR COLOC	74	
22		48	P_BUC: LD A, H	75	ALTO: DEFS 1
23		49	AND 56	76	ANCHO: DEFS 1
24	PINFIG: EX DE, HL	50	CP 56	77	DATOS: EQU #A400
25	INC H	51	JR Z, P_PAS	78	*L+
26	INC L	52	LD A, H	79	DEFS 0
		53	ADD A, 8		

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10 REM * PROGRAMA BASIC CARGADOR *
20 REM * CONSTRUCTOR DE PANTALLAS *
30 REM *****
40 REM
50 REM
60 FOR N=&A000 TO &A26F
70 READ A:SUMA=SUMA+A
80 POKE N, A
90 NEXT
100 IF SUMA<>71825 THEN PRINT "ERRO
R EN DATAS"
110 DATA 33,0,164,17,1,164,1
120 DATA 0,1,54,0,237,176,33
130 DATA 0,164,54,255,34,101,162
140 DATA 205,148,161,42,97,162,34
150 DATA 99,162,175,205,30,187,40
160 DATA 5,205,212,161,24,239,62
170 DATA 2,205,30,187,40,5,205
180 DATA 226,161,24,227,62,8,205
190 DATA 30,187,40,5,205,240,161
200 DATA 24,215,62,1,205,30,187
210 DATA 40,5,205,254,161,24,203
220 DATA 62,9,205,30,187,40,3
230 DATA 195,107,160,62,16,205,30
240 DATA 187,40,5,205,183,160,24
250 DATA 181,62,54,205,30,187,192
260 DATA 24,173,205,148,161,205,111
270 DATA 161,205,50,161,205,136,161
280 DATA 221,42,101,162,42,97,162
290 DATA 221,117,0,221,116,1,253
300 DATA 70,0,221,112,2,253,78
310 DATA 1,221,113,3,253,94,2
320 DATA 221,115,4,253,86,3,221
330 DATA 114,5,221,54,6,255,221
340 DATA 35,221,35,221,35,221,35
350 DATA 221,35,221,35,221,34,101
360 DATA 162,235,205,12,162,195,21
370 DATA 160,253,33,0,164,42,97
380 DATA 162,253,126,0,254,255,200
390 DATA 253,126,0,189,32,80,253
400 DATA 126,1,188,32,74,235,253
410 DATA 70,2,253,78,3,253,110
420 DATA 4,253,102,5,205,12,162
430 DATA 253,229,221,225,17,6,0
440 DATA 221,25,221,126,0,253,119
450 DATA 0,254,255,40,46,221,126
460 DATA 1,253,119,1,221,126,2
470 DATA 253,119,2,221,126,3,253
480 DATA 119,3,221,126,4,253,119
490 DATA 4,221,126,5,253,119,5
500 DATA 17,6,0,221,25,253,25
510 DATA 24,207,17,6,0,253,25
520 DATA 24,157,6,10,253,34,101
530 DATA 162,253,35,253,54,0,0
540 DATA 253,35,16,248,201,253,33
550 DATA 112,162,253,126,0,254,255
560 DATA 32,4,253,33,112,162,253
570 DATA 70,0,253,78,1,253,110
580 DATA 2,253,102,3,17,0,0
590 DATA 229,213,197,205,12,162,205
600 DATA 24,187,193,209,225,205,12
610 DATA 162,62,18,205,30,187,192
620 DATA 253,35,253,35,253,35,253
630 DATA 35,24,199,33,0,192,17
640 DATA 0,96,1,0,64,237,176
650 DATA 33,0,192,17,1,192,1
660 DATA 255,63,54,0,237,176,201
670 DATA 33,0,96,17,0,192,1
680 DATA 0,64,237,176,201,33,103
690 DATA 162,237,91,97,162,1,1
700 DATA 1,205,12,162,201,33,103
710 DATA 162,237,91,99,162,1,1
720 DATA 1,205,12,162,33,103,162
730 DATA 237,91,97,162,1,1,1
740 DATA 205,12,162,1,208,7,205
750 DATA 206,161,62,21,205,30,187
760 DATA 204,203,161,201,1,224,46
770 DATA 11,120,177,32,251,201,42
780 DATA 97,162,124,61,254,255,103
790 DATA 200,34,97,162,24,192,42
800 DATA 97,162,124,60,254,25,200
810 DATA 103,34,97,162,24,178,42
820 DATA 97,162,125,61,254,255,200
830 DATA 111,34,97,162,24,164,42
840 DATA 97,162,125,60,254,80,200
850 DATA 111,34,97,162,24,150,235
860 DATA 36,44,120,203,39,203,39
870 DATA 203,39,50,95,162,121,50
880 DATA 96,162,213,235,33,176,191
890 DATA 66,22,0,29,25,17,80
900 DATA 0,25,16,253,221,225,58
910 DATA 95,162,71,24,21,124,230
920 DATA 56,254,56,40,6,124,198
930 DATA 8,103,24,8,17,80,0
940 DATA 124,238,56,103,25,197,229
950 DATA 58,96,162,71,221,126,0
960 DATA 174,119,221,35,35,16,246
970 DATA 225,193,16,215,201,0,0
980 DATA 10,10,0,0,0,0,255
990 DATA 255,255,255,255,255,25,25
5
1000 DATA 0

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