

# PROGRAMA DEMOSTRACIÓN

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10 REM * PROGRAMA DEMOSTRACION *
20 REM * BORRADO Y PRESENTACION *
30 REM *****
40 REM
50 REM
60 MODE 1:INK 0,0:INK 1,0:INK 2,5:BORDER 0
70 MEMORY &7FFF:LOAD"CLSBIN",&A000:CALL &A000
80 PEN 1
90 LOCATE 12,5:PRINT " AMSTRAD SEMANAL"
100 LOCATE 16,15:PRINT "PRESENTA"
110 GOSUB 230
120 INK 2,26
130 LOCATE 12,5:PRINT "RUTINAS DE BORRADO"
140 LOCATE 12,10:PRINT "Y PRESENTACION EN"
150 LOCATE 15,15:PRINT "EN PANTALLA"
160 GOSUB 270
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170 INK 2,15
180 LOCATE 14,7:PRINT "PROGRAMA DE"
190 LOCATE 14,13:PRINT "DEMOSTRACION"
200 GOSUB 230
210 PEN 2
220 END
230 !PINTA1,4,11,11,36
240 GOSUB 310
250 !BORRA2,4,11,11,36
260 RETURN
270 !PINTA2,4,11,11,36
280 GOSUB 310
290 !BORRA1,4,11,11,36
300 RETURN
310 FOR N=1 TO 3000:NEXT
320 RETURN
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# PROGRAMA ENSAMBLADOR

1	ORG #A000	36	ADD A,L	71		106	LD DE,2048
2		37	LD L,A	72	CHEK1: LD A,H	107	ADD HL,DE
3		38	DEC L	73	ADD A,(IX+0)	108	PUSH HL
4		39	CALL CLS2	74	CP 81	109	LD A,(ANCHO)
5		40	RET	75	RET NC	110	LD B,A
6		41		76	LD A,L	111	BUC4: LD (HL),255
7	LD BC,TABLA	42	BORRC: CALL DATOS	77	ADD A,(IX+2)	112	INC HL
8	LD HL,ESPACE	43	CALL CHEK1	78	CP 26	113	DJNZ BUC4
9	JP #BCD1	44	RET NC	79	RET NC	114	POP HL
10	TABLA: DEFW NAME	45	CALL CLS3	80	RET	115	PAS1: POP BC
11	JP BORRA	46	RET	81		116	CALL #BD19
12	JP BORRB	47		82		117	DJNZ BUC2
13	JP BORRC	48		83		118	POP HL
14	JP BORRO	49	BORRD: CALL DATOS	84	ALTO: DEFS 1	119	LD DE,80
15	NAME: DEFM "BORRA"	50	CALL CHEK1	85	ANCHO: DEFS 1	120	ADD HL,DE
16	DEFB "1"+#80	51	RET NC	86		121	POP BC
17	DEFM "BORRA"	52	LD A,(ALTO)	87	CLS1: CALL #BC1A	122	DJNZ BUC1
18	DEFB "2"+#80	53	ADD A,L	88	LD A,(ALTO)	123	RET
19	DEFM "PINTA"	54	LD L,A	89	LD B,A	124	CLS2: CALL #BC1A
20	DEFB "1"+#80	55	DEC L	90	BUC1: PUSH BC	125	LD DE,#3800
21	DEFM "PINTA"	56	CALL CLS4	91	PUSH HL	126	ADD HL,DE
22	DEFB "2"+#80	57	RET	92	LD B,8	127	LD A,(ALTO)
23	DEFB 0	58		93	BUC2: PUSH BC	128	LD B,A
24	ESPACE: DEFS 4	59		94	PUSH HL	129	XUC1: PUSH BC
25		60		95	LD A,(ANCHO)	130	PUSH HL
26	BORRA: CALL DATOS	61		96	LD B,A	131	LD B,8
27	CALL CHEK1	62		97	BUC3: LD (HL),0	132	XUC2: PUSH BC
28	RET NC	63		98	INC HL	133	PUSH HL
29	CALL CLS1	64	DATOS: LD A,(IX+0)	99	DJNZ BUC3	134	LD A,(ANCHO)
30	RET	65	LD (ANCHO),A	100	POP HL	135	LD B,A
31		66	LD A,(IX+2)	101	POP BC	136	XUC3: LD (HL),0
32	BORRB: CALL DATOS	67	LD (ALTO),A	102	PUSH BC	137	INC HL
33	CALL CHEK1	68	LD H,(IX+4)	103	LD A,B	138	DJNZ XUC3
34	RET NC	69	LD L,(IX+6)	104	CP 1	139	POP HL
35	LD A,(ALTO)	70	RET	105	JR Z,PAS1	140	POP BC

141		PUSH BC	176		LD (HL),A	212		POP HL	248		RRA	
142		LD A,B	177		INC HL	213	NAS1:	PDP BC	249		AND 15	
143		CP 1	178		DJNZ PUC5	214		CALL #BD19	250		LD (HL),A	
144		JR Z,SAs1	179		PDP HL	215		DJNZ PUC2	251		INC HL	
145		LD DE,2048	180		PUSH HL	216		POP HL	252		DJNZ WUC3	
146		SCF	181		LD B,8	217		LD DE,80	253		PDP HL	
147		CCF	182	PUC2:	PUSH BC	218		ADD HL,DE	254		PDP BC	
148		SBC HL,DE	183		PUSH HL	219		PDP BC	255		PUSH BC	
149		PUSH HL	184		LD A,(ANCHO)	220		DJNZ PUC1	256		LD A,B	
150		LD A,(ANCHO)	185		LD B,A	221		RET	257		CP 1	
151		LD B,A	186	PUC3:	LD A,(HL)	222	CLS4:	CALL #BC1A	258		JR Z,MAS1	
152	XUC4:	LD (HL),255	187		XOR 255	223		LD DE,#3800	259		LD DE,2048	
153		INC HL	188		RRA	224		ADD HL,DE	260		SCF	
154		DJNZ XUC4	189		RRA	225		LD A,(ALTO)	261		CCF	
155		POP HL	190		RRA	226		LD B,A	262		SBC HL,DE	
156	SAS1:	POP BC	191		RRA	227	WUC1:	PUSH BC	263		PUSH HL	
157		CALL #BD19	192		AND 15	228		PUSH HL	264		LD A,(ANCHO)	
158		DJNZ XUC2	193		LD (HL),A	229		LD A,(ANCHO)	265		LD B,A	
159		POP HL	194		INC HL	230		LD B,A	266	WUC4:	LD A,(HL)	
160		LD DE,80	195		DJNZ PUC3	231	WUC5:	LD A,(HL)	267		XOR 255	
161		SCF	196		POP HL	232		XOR 255	268		LD (HL),A	
162		CCF	197		PDP BC	233		LD (HL),A	269		INC HL	
163		SBC HL,DE	198		PUSH BC	234		INC HL	270		DJNZ WUC4	
164		POP BC	199		LD A,B	235		DJNZ WUC5	271		PDP HL	
165		DJNZ XUC1	200		CP 1	236		POP HL	272	MAS1:	PDP BC	
166		RET	201		JR Z,NAS1	237		PUSH HL	273		CALL #BD19	
167	CLS3:	CALL #BC1A	202		LD DE,2048	238		LD B,8	274		DJNZ WUC2	
168		LD A,(ALTO)	203		ADD HL,DE	239	WUC2:	PUSH BC	275		PDP HL	
169		LD B,A	204		PUSH HL	240		PUSH HL	276		LD DE,80	
170	PUC1:	PUSH BC	205		LD A,(ANCHO)	241		LD A,(ANCHO)	277		SCF	
171		PUSH HL	206		LD B,A	242		LD B,A	278		CCF	
172		LD A,(ANCHO)	207	PUC4:	LD A,(HL)	243	WUC3:	LD A,(HL)	279		SBC HL,DE	
173		LD B,A	208		XOR 255	244		XOR 255	280		POP BC	
174	PUC5:	LD A,(HL)	209		LD (HL),A	245		RRA	281		DJNZ WUC1	
175		XOR 255	210		INC HL	246		RRA	282		RET	
			211		DJNZ PUC4	247		RRA				

10 REM * PROGRAMA CARGADOR *	250 DATA 101,161,201,221,126,0,50	500 DATA 71,197,229,58,143,160,71
20 REM * BORRADO Y PRESENTACION *	260 DATA 143,160,221,126,2,50,142	510 DATA 126,238,255,119,35,16,249
30 REM *****	270 DATA 160,221,102,4,221,110,6	520 DATA 225,229,6,8,197,229,58
40 REM	280 DATA 201,124,221,134,0,254,81	530 DATA 143,160,71,126,238,255,31
50 FOR N=&A000 TO &A102	290 DATA 208,125,221,134,2,254,26	540 DATA 31,31,31,230,15,119,35
60 READ A;SUMA=SUMA+A	300 DATA 208,201,0,0,205,26,188	550 DATA 16,243,225,193,197,120,254
70 POKE N,A	310 DATA 58,142,160,71,197,229,6	560 DATA 1,40,17,17,0,8,25
80 NEXT	320 DATA 8,197,229,58,143,160,71	570 DATA 229,58,143,160,71,126,238
90 IF SUMA<>54458 THEN PRINT	330 DATA 54,0,35,16,251,225,193	580 DATA 255,119,35,16,249,225,193
"ERROR EN DATAS"	340 DATA 197,120,254,1,40,15,17	590 DATA 205,25,189,16,206,225,17
100 DATA 1,9,160,33,48,160,195	350 DATA 0,8,25,229,58,143,160	600 DATA 80,0,25,193,16,181,201
110 DATA 209,188,23,160,195,52,160	360 DATA 71,54,255,35,16,251,225	610 DATA 205,26,188,17,0,56,25
120 DATA 195,63,160,195,80,160,195	370 DATA 193,205,25,189,16,216,225	620 DATA 58,142,160,71,197,229,58
130 DATA 91,160,66,79,82,82,65	380 DATA 17,80,0,25,193,16,204	630 DATA 143,160,71,126,238,255,119
140 DATA 177,66,79,82,82,65,178	390 DATA 201,205,26,188,17,0,56	640 DATA 35,16,249,225,229,6,8
150 DATA 80,73,78,84,65,177,80	400 DATA 25,58,142,160,71,197,229	650 DATA 197,229,58,143,160,71,126
160 DATA 73,78,84,65,178,0,0	410 DATA 6,8,197,229,58,143,160	660 DATA 238,255,31,31,31,31,230
170 DATA 0,0,0,205,108,160,205	420 DATA 71,54,0,35,16,251,225	670 DATA 15,119,35,16,243,225,193
180 DATA 127,160,208,205,144,160,201	430 DATA 193,197,120,254,1,40,18	680 DATA 197,120,254,1,40,20,17
190 DATA 205,108,160,205,127,160,208	440 DATA 17,0,8,55,63,237,82	690 DATA 0,8,55,63,237,82,229
200 DATA 58,142,160,133,111,45,205	450 DATA 229,58,143,160,71,54,255	700 DATA 58,143,160,71,126,238,255
210 DATA 204,160,201,205,108,160,205	460 DATA 35,16,251,225,193,205,25	710 DATA 119,35,16,249,225,193,205
220 DATA 127,160,208,205,18,161,201	470 DATA 189,16,213,225,17,80,0	720 DATA 25,189,16,203,225,17,80
230 DATA 205,108,160,205,127,160,208	480 DATA 55,63,237,82,193,16,198	730 DATA 0,55,63,237,82,193,16
240 DATA 58,142,160,133,111,45,205	490 DATA 201,205,26,188,58,142,160	740 DATA 175,201,0,0,0,0,0