

PROGRAMA 1

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1 REM ESPIA DE GRAFICOS
2 REM PROGRAMA 1
10 MODE 2:OPENOUT "D":MEMORY 999:CL
OSEOUT:LOAD"MIRBIN",1000
20 INPUT "BLOQUE A CARGAR EN MEMORI
A (MAX. 39K):";N$
30 LOAD N$,1700
40 CALL 1000
50 CLEAR INPUT
60 MODE 2:INPUT "NOMBRE DEL GRAFICO
A SALVAR:";G$
70 POK=1643:GOSUB 100:DIR=DAT:POK=1
645:GOSUB 100:LON=DAT
80 SAVE G$,B,DIR,LON
90 GOTO 40
100 DAT=PEEK(POK)+256*PEEK(POK+1):R
ETURN
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PROGRAMA CARGADOR

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1 REM ESPIA DE GRAFICOS
2 REM PROGRAMA CARGADOR
10 FOR N=&9000 TO &928A
20 READ A:SUMA=SUMA+A
30 POKE N,A
40 NEXT
50 IF SUMA<>58695 THEN PRINT "ERROR
EN DATAS"
60 DATA 62,1,205,199,5,62,40
70 DATA 50,111,6,62,10,50,112
80 DATA 6,33,0,0,34,107,6
90 DATA 205,24,187,62,54,205,30
100 DATA 187,192,62,9,205,30,187
110 DATA 40,3,205,81,5,62,0
120 DATA 205,30,187,40,3,205,204
130 DATA 4,62,2,205,30,187,40
140 DATA 3,205,221,4,62,8,205
150 DATA 30,187,40,3,205,241,4
160 DATA 62,1,205,30,187,40,3
170 DATA 205,252,4,62,15,205,30
180 DATA 187,40,7,62,0,205,199
190 DATA 5,24,44,62,13,205,30
200 DATA 187,40,7,62,1,205,199
210 DATA 5,24,30,62,14,205,30
220 DATA 187,40,7,62,2,205,199
230 DATA 5,24,16,62,38,205,30
240 DATA 187,196,119,4,62,46,205
250 DATA 30,187,196,130,4,205,144
260 DATA 4,24,134,42,107,6,17
270 DATA 100,0,25,34,107,6,201
280 DATA 42,107,6,55,63,17,100
290 DATA 0,237,82,34,107,6,201
300 DATA 33,0,0,205,26,188,253
310 DATA 42,107,6,58,111,6,71
320 DATA 24,21,124,230,56,254,56
330 DATA 40,6,124,198,8,103,24
340 DATA 8,17,80,0,124,238,56
350 DATA 103,25,197,229,58,112,6
360 DATA 71,253,126,0,119,253,35
370 DATA 35,16,247,225,193,16,216
380 DATA 205,7,5,201,42,107,6
390 DATA 58,112,6,95,22,0,25
400 DATA 34,107,6,205,144,4,201
410 DATA 42,107,6,58,112,6,95
420 DATA 22,0,55,63,237,82,34
430 DATA 107,6,205,144,4,201,42
440 DATA 107,6,35,34,107,6,205
450 DATA 144,4,201,42,107,6,43
460 DATA 34,107,6,205,144,4,201
470 DATA 33,23,14,205,117,187,42
480 DATA 107,6,205,222,5,58,112
490 DATA 6,71,33,0,0,22,0
500 DATA 58,111,6,95,25,16,253
510 DATA 34,109,6,229,33,24,14
520 DATA 205,117,187,225,205,222,5
530 DATA 58,111,6,203,63,203,63
540 DATA 203,63,245,33,25,14,205
550 DATA 117,187,241,205,208,5,62
560 DATA 88,205,90,187,58,112,6
570 DATA 205,208,5,201,205,24,187
580 DATA 62,18,205,30,187,192,62
590 DATA 0,205,30,187,40,3,205
600 DATA 132,5,62,2,205,30,187
610 DATA 40,3,205,147,5,62,8
620 DATA 205,30,187,40,3,205,162
630 DATA 5,62,1,205,30,187,40
640 DATA 210,205,176,5,24,205,58
650 DATA 111,6,198,8,254,208,200
660 DATA 50,111,6,205,190,5,201
670 DATA 58,111,6,214,8,254,0
680 DATA 200,50,111,6,205,190,5
690 DATA 201,58,112,6,61,254,0
700 DATA 200,50,112,6,205,190,5
710 DATA 201,58,112,6,60,254,81
720 DATA 200,50,112,6,205,190,5
730 DATA 201,205,20,188,205,144,4
740 DATA 195,45,6,50,113,6,205
750 DATA 14,188,195,45,6,111,38
760 DATA 0,35,55,62,47,17,10
770 DATA 0,205,6,6,201,55,17
780 DATA 16,39,35,62,47,60,237
790 DATA 82,48,251,205,19,6,17
800 DATA 232,3,60,237,82,48,251
810 DATA 205,19,6,17,100,0,60
820 DATA 237,82,48,251,205,19,6
830 DATA 17,10,0,60,237,82,48
840 DATA 251,205,19,6,133,205,19
850 DATA 6,201,205,90,187,62,47
860 DATA 32,1,35,25,35,201,213
870 DATA 205,117,187,209,26,254,255
880 DATA 200,205,90,187,19,24,246
890 DATA 33,23,1,17,72,6,205
900 DATA 30,6,33,24,1,17,83
910 DATA 6,205,30,6,33,25,1
920 DATA 17,93,6,195,30,6,68
930 DATA 73,82,69,67,67,73,79
940 DATA 78,58,255,76,79,78,71
950 DATA 73,84,85,68,58,255,65
960 DATA 76,84,79,32,88,32,65
970 DATA 78,67,72,79,58,255,0
980 DATA 0,0,0,0,0,0,0
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1	;ESPIA DE GRAFICOS						
10	ORG	1000					
20	LD	A,1					
30	CALL	CLS					
40	LD	A,40					
50	LD	(ALTO),A					
60	LD	A,10	530	CALL	#BB1E	970	INC IY
70	LD	(ANCHO),A	540	CALL	NZ,ADMEM	980	INC HL
80	LD	HL,0	550	LD	A,46	990	DJNZ P_BUC1
90	LD	(DIRMEM),HL	560	CALL	#BB1E	1000	POP HL
100	TECL:	CALL #BB18	570	CALL	NZ,SUBMEM	1010	POP BC
110	LD	A,54	580	PANTAL:	CALL PINTA	1020	DJNZ P_BUC
120	CALL	#BB1E	590	JR	TECL	1030	CALL PINDIR
130	RET	NZ	600	ADMEM:	LD HL,(DIRMEM)	1040	RET
140	LD	A,9	610	LD	DE,100	1050	UP: LD HL,(DIRMEM)
150	CALL	#BB1E	620	ADD	HL,DE	1060	LD A,(ANCHO)
160	JR	Z,NOTE	630	LD	(DIRMEM),HL)	1070	LD E,A
170	CALL	GRADUA	640	RET		1080	LD D,0
180	NOTE:	LD A,0	650	SUBMEM:	LD HL,(DIRMEM)	1090	ADD HL,DE
190	CALL	#BB1E	660	SCF		1100	LD (DIRMEM),HL
200	JR	Z,NOTE1	670	CCF		1110	CALL PINTA
210	CALL	UP	680	LD	DE,100	1120	RET
220	NOTE1:	LD A,2	690	SBC	HL,DE	1130	DOWN: LD HL,(DIRMEM)
230	CALL	#BB1E	700	LD	(DIRMEM),HL	1140	LD A,(ANCHO)
240	JR	Z,NOTE2	710	RET		1150	LD E,A
250	CALL	DOWN	720	PINTA:	LD HL,0	1160	LD D,0
260	NOTE2:	LD A,8	730	CALL	#BC1A	1170	SCF
270	CALL	#BB1E	740	LD	IY,(DIRMEM)	1180	CCF
280	JR	Z,NOTE3	750	LD	A,(ALTO)	1190	SBC HL,DE
290	CALL	IZQ	760	LD	B,A	1200	LD (DIRMEM),HL
300	NOTE3:	LD A,1	770	JR	PINT	1210	CALL PINTA
310	CALL	#BB1E	780	P_BUC:	LD A,H	1220	RET
320	JR	Z,NOTE4	790	AND	56	1230	IZQ: LD HL,(DIRMEM)
330	CALL	DER	800	CP	56	1240	INC HL
340	NOTE4:	LD A,15	810	JR	Z,P_PAS	1250	LD (DIRMEM),HL
350	CALL	#BB1E	820	LD	A,H	1260	CALL PINTA
360	JR	Z,NOTE5	830	ADD	A,8	1270	RET
370	LD	A,0	840	LD	H,A	1280	DER: LD HL,(DIRMEM)
380	CALL	CLS	850	JR	PINT	1290	DEC HL
390	JR	PANTAL	860	P_PAS:	LD DE,0080	1300	LD (DIRMEM),HL
400	NOTE5:	LD A,13	870	LD	A,H	1310	CALL PINTA
410	CALL	#BB1E	880	XOR	56	1320	RET
420	JR	Z,NOTE6	890	LD	H,A	1330	PINDIR: LD HL,#0E17
430	LD	A,1	900	ADD	HL,DE	1340	CALL #BB75
440	CALL	CLS	910	PINT:	PUSH BC	1350	LD HL,(DIRMEM)
450	JR	PANTAL	920	PUSH	HL	1360	CALL PINUM
460	NOTE6:	LD A,14	930	LD	A,(ANCHO)	1370	LD A,(ANCHO)
470	CALL	#BB1E	940	LD	B,A	1380	LD B,A
480	JR	Z,NOTE7	950	P_BUC1:	LD A,(IY+0)	1390	LD HL,0
490	LD	A,2	960	LD	(HL),A	1400	LD D,0
500	CALL	CLS					
510	JR	PANTAL					
520	NOTE7:	LD A,38					

1410	LD	A, (ALTO)	1890	RET	Z	2420	SBC	HL, DE
1420	LD	E, A	1900	LD	(ALTO), A	2430	JR	NC, DMIL
1430	BUSUM:	ADD HL, DE	1910	CALL	REPON	2440	CALL	PRINT
1440	DJNZ	BUSUM	1920	RET		2450	LD	DE, 1000
1450	LD	(LONG), HL	1930	ABAJ:	LD A, (ALTO)	2460	MIL:	INC A
1460	PUSH	HL	1940		SUB 8	2470	SBC	HL, DE
1470	LD	HL, #0E18	1950		CP 0	2480	JR	NC, MIL
1480	CALL	#BB75	1960		RET Z	2490	CALL	PRINT
1490	POP	HL	1970		LD (ALTO), A	2500		LD DE, 100
1500	CALL	PINUM	1980		CALL REPON	2510	CIEN:	INC A
1510	LD	A, (ALTO)	1990		RET	2520	SBC	HL, DE
1520	SRL	A	2000	LEFT:	LD A, (ANCHO)	2530	JR	NC, CIEN
1530	SRL	A	2010		DEC A	2540	CALL	PRINT
1540	SRL	A	2020		CP 0	2550		LD DE, 10
1550	PUSH	AF	2030		RET Z	2560	DIEZ:	INC A
1560	LD	HL, #0E19	2040		LD (ANCHO), A	2570	SBC	HL, DE
1570	CALL	#BB75	2050		CALL REPON	2580	JR	NC, DIEZ
1580	POP	AF	2060		RET	2590	CALL	PRINT
1590	CALL	PINU1	2070	RIGHT:	LD A, (ANCHO)	2600		ADD A, L
1600	LD	A, "X"	2080		INC A	2610	CALL	PRINT
1610	CALL	#BB5A	2090		CP 81	2620		RET
1620	LD	A, (ANCHO)	2100		RET Z	2630	PRINT:	CALL #BB5A
1630	CALL	PINU1	2110		LD (ANCHO), A	2640		LD A, 47
1640	RET		2120		CALL REPON	2650	JR	NZ, PAS
1650	GRADUA:	CALL #BB18	2130		RET	2660	INC	HL
1660	LD	A, 18	2140	REPON:	CALL #BC14	2670	PAS:	ADD HL, DE
1670	CALL	#BB1E	2150		CALL PINTA	2680		INC HL
1680	RET	NZ	2160		JP TEXTOS	2690		RET
1690	LD	A, 0	2170			2700		
1700	CALL	#BB1E	2180			2710	PITEX:	PUSH DE
1710	JR	Z, NOTC	2190	CLS:	LD (MODO), A	2720		CALL #BB75
1720	CALL	ARRI	2200		CALL #BC0E	2730		POP DE
1730	NOTC:	LD A, 2	2210		JP TEXTOS	2740	PI001:	LD A, (DE)
1740	CALL	#BB1E	2220			2750		CP 255
1750	JR	Z, NOTC1	2230			2760		RET Z
1760	CALL	ABAJ	2240			2770		CALL #BB5A
1770	NOTC1:	LD A, 8	2250			2780		INC DE
1780	CALL	#BB1E	2260			2790	JR	PI001
1790	JR	Z, NOTC2	2270			2800		
1800	CALL	LEFT	2280	PINU1:	LD L, A	2810	TEXTOS:	LD HL, #0117
1810	NOTC2:	LD A, 1	2290		LD H, 0	2820		LD DE, TXT1
1820	CALL	#BB1E	2300		INC HL	2830		CALL PITEX
1830	JR	Z, GRADUA	2310		SCF	2840		LD HL, #0118
1840	CALL	RIGHT	2320		LD A, 47	2850		LD DE, TXT2
1850	JR	GRADUA	2330		LD DE, 10	2860		CALL PITEX
1860	ARRI:	LD A, (ALTO)	2340		CALL DIEZ	2870		LD HL, #0119
1870	ADD	A, 8	2350		RET	2880		LD DE, TXT3
1880	CP	208	2360			2890		JP PITEX
			2370			2900		
			2380			2910		
			2390			2920	TXT1:	DEFM "DIRECCION:"
			2400			2930		DEFB 255
			2410	DMIL:	INC A	2940	TXT2:	DEFM "LONGITUD:"
						2950		DEFB 255
						2960	TXT3:	DEFM "ALTO X ANCHO:"
						2970		DEFB 255
						2980	*L+	
						2990	DIRMEM:	DEFS 2
						3000	LONG:	DEFS 2
						3010	ALTO:	DEFS 1
						3020	ANCHO:	DEFS 1
						3030	MODO:	DEFS 1