

Code	Spectrum Basic	Hex	Z80 Instruction	after CB	after ED
0	Not used	00	NOP	RLC B	
1	Not used	01	LD BC, nn	RLC C	
2	Not used	02	LD (BC), A	RLC D	
3	Not used	03	INC BC	RLC E	
4	True video	04	INC B	RLC H	
5	Inverse video	05	DEC B	RLC L	
6	Print Comma	06	LD B, n	RLC (HL)	
7	Edit	07	RLC A	RLC A	
8	↔	08	EX AF, AF'	RRC B	
9	→	09	ADD HL, BC	RRC C	
10	↓	0A	LD A, (BC)	RRC D	
11	↑	0B	DEC BC	RRC E	
12	Delete	0C	INC C	RRC H	
13	Enter	0D	DEC C	RRC L	
14	Number	0E	LD C, n	RRC (HL)	
15	Not used	0F	RRC A	RRC A	
16	Ink control	10	DJNZ \$+e	RL B	
17	Paper control	11	LD DE, nn	RL C	
18	Flash control	12	LD (DE), A	RL D	
19	Bright control	13	INC DE	RL E	
20	Inverse control	14	INC D	RL H	
21	Over control	15	DEC D	RL L	
22	At control	16	LD D, n	RL (HL)	
23	Tab control	17	RLA	RL A	
24	Not used	18	JR \$+e	RR B	
25	Not used	19	ADD HL, DE	RR C	
26	Not used	1A	LD A, (DE)	RR D	
27	Not used	1B	DEC DE	RR E	
28	Not used	1C	INC E	RR H	
29	Not used	1D	DEC E	RR L	
30	Not used	1E	LD E, n	RR (HL)	
31	Not used	1F	RRA	RR A	
32	Space	20	JR NZ, \$+e	SLA B	
33	!	21	LD HL, nn	SLA C	
34	"	22	LD (nn), HL	SLA D	
35	#	23	INC HL	SLA E	
36	\$	24	INC H	SLA H	
37	%	25	DEC H	SLA L	
38	&	26	LD H, n	SLA (HL)	
39	'	27	DA A	SLA A	
40	(	28	JR Z, \$+e	SRA B	
41	)	29	ADD HL, HL	SRA C	
42	*	2A	LD HL, (nn)	SRA D	
43	+	2B	DEC HL	SRA E	
44	,	2C	INC L	SRA H	
45	-	2D	DEC L	SRA L	
46	.	2E	LD L, n	SRA (HL)	
47	/	2F	CPL	SRA A	
48	0	30	JR NC, \$+e	[SLI B]	
49	1	31	LD SP, nn	[SLI C]	
50	2	32	LD (nn), A	[SLI D]	
51	3	33	INC SP	[SLI E]	
52	4	34	INC (HL)	[SLI H]	
53	5	35	DEC (HL)	[SLI L]	
54	6	36	LD (HL), n	[SLI (HL)]	
55	7	37	SCF	[SLI A]	
56	8	38	JR C, \$+e	SRL B	
57	9	39	ADD HL, SP	SRL C	
58	:	3A	LD A, (nn)	SRL D	
59	;	3B	DEC SP	SRL E	
60	<	3C	INC A	SRL H	
61	=	3D	DEC A	SRL L	
62	>	3E	LD A, n	SRL (HL)	
63	?	3F	CCF	SRL A	

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64	@	40	LD B, B	BIT 0, B	IN B, (C)
65	A	41	LD B, C	BIT 0, C	OUT (C), B
66	B	42	LD B, D	BIT 0, D	SBC HL, BC
67	C	43	LD B, E	BIT 0, E	LD (nn), BC
68	D	44	LD B, H	BIT 0, H	NEG
69	E	45	LD B, L	BIT 0, L	RETN
70	F	46	LD B, (HL)	BIT 0, (HL)	IM 0
71	G	47	LD B, A	BIT 0, A	LD I, A
72	H	48	LD C, B	BIT 1, B	IN C, (C)
73	I	49	LD C, C	BIT 1, C	OUT (C), C
74	J	4A	LD C, D	BIT 1, D	ADC HL, BC
75	K	4B	LD C, E	BIT 1, E	LD BC, (nn)
76	L	4C	LD C, H	BIT 1, H	
77	M	4D	LD C, L	BIT 1, L	RETI
78	N	4E	LD C, (HL)	BIT 1, (HL)	
79	O	4F	LD C, A	BIT 1, A	LD R, A
80	P	50	LD D, B	BIT 2, B	IN D, (C)
81	Q	51	LD D, C	BIT 2, C	OUT (C), D
82	R	52	LD D, D	BIT 2, D	SBC HL, DE
83	S	53	LD D, E	BIT 2, E	LD (nn), DE
84	T	54	LD D, H	BIT 2, H	
85	U	55	LD D, L	BIT 2, L	
86	V	56	LD D, (HL)	BIT 2, (HL)	IM 1
87	W	57	LD D, A	BIT2, A	LD A, I
88	X	58	LD E, B	BIT 3, B	IN E, (C)
89	Y	59	LD E, C	BIT 3, C	OUT (C), E
90	Z	5A	LD E, D	BIT 3, D	ADC HL, DE
91	[	5B	LD E, E	BIT 3, E	LD DE, (nn)
92	/	5C	LD E, H	BIT 3, H	
93	]	5D	LD E, L	BIT 3, L	
94	^	5E	LD E, (HL)	BIT 3, (HL)	IM 2
95	_	5F	LD E, A	BIT 3, A	LD A, R
96	£	60	LD H, B	BIT 4, B	IN H, (C)
97	a	61	LD H, C	BIT 4, C	OUT (C), H
98	b	62	LD H, D	BIT 4, D	SBC HL, HL
99	c	63	LD H, E	BIT 4, E	LD (nn), HL
100	d	64	LD H, H	BIT 4, H	
101	e	65	LD H, L	BIT 4, L	
102	f	66	LD H, (HL)	BIT 4, (HL)	
103	g	67	LD H, A	BIT 4, A	RRD
104	h	68	LD L, B	BIT 5, B	IN L, (C)
105	i	69	LD L, C	BIT 5, C	OUT (C), L
106	j	6A	LD L, D	BIT 5, D	ADC HL, HL
107	k	6B	LD L, E	BIT 5, E	LD HL, (nn)
108	l	6C	LD L, H	BIT 5, H	
109	m	6D	LD L, L	BIT 5, L	
110	n	6E	LD L, (HL)	BIT 5, (HL)	
111	o	6F	LD L, A	BIT 5, A	RLD
112	p	70	LD (HL), B	BIT 6, B	IN (HL), (C)
113	q	71	LD (HL), C	BIT 6, C	
114	r	72	LD (HL), D	BIT 6, D	SBC HL, SP
115	s	73	LD (HL), E	BIT 6, E	LD (nn), SP
116	t	74	LD (HL), H	BIT 6, H	
117	u	75	LD (HL), L	BIT 6, L	
118	v	76	HALT	BIT 6, (HL)	
119	w	77	LD (HL), A	BIT 6, A	
120	x	78	LD A, B	BIT 7, B	IN A, (C)
121	y	79	LD A, C	BIT 7, C	OUT (C), A
122	z	7A	LD A, D	BIT 7, D	ADC HL, SP
123	{	7B	LD A, E	BIT 7, E	LD SP, (nn)
124		7C	LD A, H	BIT 7, H	
125	}	7D	LD A, L	BIT 7, L	
126	~	7E	LD A, (HL)	BIT 7, (HL)	
127	©	7F	LD A, A	BIT 7, A	

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128	□	80	ADD A, B	RES 0, B	
129	■	81	ADD A, C	RES 0, C	
130	▀	82	ADD A, D	RES 0, D	
131	▁	83	ADD A, E	RES 0, E	
132	▂	84	ADD A, H	RES 0, H	
133	▃	85	ADD A, L	RES 0, L	
134	▄	86	ADD A, (HL)	RES 0, (HL)	
135	▅	87	ADD A, A	RES 0, A	
136	▆	88	ADC A, B	RES 1, B	
137	▇	89	ADC A, C	RES 1, C	
138	█	8A	ADC A, D	RES 1, D	
139	▉	8B	ADC A, E	RES 1, E	
140	▊	8C	ADC A, H	RES 1, H	
141	▋	8D	ADC A, L	RES 1, L	
142	▌	8E	ADC A, (HL)	RES 1, (HL)	
143	▍	8F	ADC A, A	RES 1, A	
144	[A]	90	SUB B	RES 2, B	
145	[B]	91	SUB C	RES 2, C	
146	[C]	92	SUB D	RES 2, D	
147	[D]	93	SUB E	RES 2, E	
148	[E]	94	SUB H	RES 2, H	
149	[F]	95	SUB L	RES 2, L	
150	[G]	96	SUB (HL)	RES 2, (HL)	
151	[H]	97	SUB A	RES 2, A	
152	[I]	98	SBC A, B	RES 3, B	
153	[J]	99	SBC A, C	RES 3, C	
154	[K]	9A	SBC A, D	RES 3, D	
155	[L]	9B	SBC A, E	RES 3, E	
156	[M]	9C	SBC A, H	RES 3, H	
157	[N]	9D	SBC A, L	RES 3, L	
158	[O]	9E	SBC A, (HL)	RES 3, (HL)	
159	[P]	9F	SBC A, A	RES 3, A	
160	[Q]	A0	AND B	RES 4, B	LDI
161	[R]	A1	AND C	RES 4, C	CPI
162	[S]	A2	AND D	RES 4, D	INI
163	[T]	A3	AND E	RES 4, E	OUTI
164	[U]	A4	AND H	RES 4, H	
165	RND	A5	AND L	RES 4, L	
166	INKEY\$	A6	AND (HL)	RES 4, (HL)	
167	PI	A7	AND A	RES 4, A	
168	FN	A8	XOR B	RES 5, B	LDD
169	POINT	A9	XOR C	RES 5, C	CPD
170	SCREEN\$	AA	XOR D	RES 5, D	IND
171	ATTR	AB	XOR E	RES 5, E	OUTD
172	AT	AC	XOR H	RES 5, H	
173	TAB	AD	XOR L	RES 5, L	
174	VAL\$	AE	XOR (HL)	RES 5, (HL)	
175	CODE	AF	XOR A	RES 5, A	
176	VAL	B0	OR B	RES 6, B	LDIR
177	LEN	B1	OR C	RES 6, C	CPIR
178	SIN	B2	OR D	RES 6, D	INIR
179	COS	B3	OR E	RES 6, E	OTIR
180	TAN	B4	OR H	RES 6, H	
181	ASN	B5	OR L	RES 6, L	
182	ACS	B6	OR (HL)	RES 6, (HL)	
183	ATN	B7	OR A	RES 6, A	
184	LN	B8	CP B	RES 7, B	LDDR
185	EXP	B9	CP C	RES 7, C	CPDR
186	INT	BA	CP D	RES 7, D	INDR
187	SQR	BB	CP E	RES 7, E	OTDR
188	SGN	BC	CP H	RES 7, H	
189	ABS	BD	CP L	RES 7, L	
190	PEEK	BE	CP (HL)	RES 7, (HL)	
191	IN	BF	CP A	RES 7, A	

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192	USR	C0	RET NZ	SET 0, B	
193	STR\$	C1	POP BC	SET 0, C	
194	CHR\$	C2	JP NZ, nn	SET 0, D	
195	NOT	C3	JP nn	SET 0, E	
196	BIN	C4	CALL NZ, nn	SET 0, H	
197	OR	C5	PUSH BC	SET 0, L	
198	AND	C6	ADD A, n	SET 0, (HL)	
199	<=	C7	RST 0	SET 0, A	
200	>=	C8	RET Z	SET 1, B	
201	<>	C9	RET	SET 1, C	
202	LINE	CA	JP Z, nn	SET 1, D	
203	THEN	CB	префикс #CB	SET 1, E	
204	TO	CC	CALL Z, nn	SET 1, H	
205	STEP	CD	CALL nn	SET 1, L	
206	DEF FN	CE	ADC A, n	SET 1, (HL)	
207	CAT	CF	RST 8	SET 1, A	
208	FORMAT	D0	RET NC	SET 2, B	
209	MOVE	D1	POP DE	SET 2, C	
210	ERASE	D2	JP NC, nn	SET 2, D	
211	OPEN #	D3	OUT (n), A	SET 2, E	
212	CLOSE #	D4	CALL NC, nn	SET 2, H	
213	MERGE	D5	PUSH DE	SET 2, L	
214	VERIFY	D6	SUB n	SET 2, (HL)	
215	BEEP	D7	RST 16	SET 2, A	
216	CIRCLE	D8	RET C	SET 3, B	
217	INK	D9	EXX	SET 3, C	
218	PAPER	DA	JP C, nn	SET 3, D	
219	FLASH	DB	IN A, (n)	SET 3, E	
220	BRIGHT	DC	CALL C, nn	SET 3, H	
221	INVERSE	DD	префикс для IX	SET 3, L	
222	OVER	DE	SBC A, n	SET 3,(HL)	
223	OUT	DF	RST 24	SET 3, A	
224	LPRINT	E0	RET PO	SET 4, B	
225	LLIST	E1	POP HL	SET 4, C	
226	STOP	E2	JP PO, nn	SET 4, D	
227	READ	E3	EX (SP), HL	SET 4, E	
228	DATA	E4	CALL PO, nn	SET 4, H	
229	RESTORE	E5	PUSH HL	SET 4, L	
230	NEW	E6	AND n	SET 4, (HL)	
231	BORDER	E7	RST 32	SET 4, A	
232	CONTINUE	E8	RET PE	SET 5, B	
233	DIM	E9	JP (HL)	SET 5, C	
234	REM	EA	JP PE, nn	SET 5, D	
235	FOR	EB	EX DE, HL	SET 5, E	
236	GO TO	EC	CALL PE, nn	SET 5, H	
237	GO SUB	ED	префикс #ED	SET 5, L	
238	INPUT	EE	XOR n	SET 5, (HL)	
239	LOAD	EF	RST 40	SET 5, A	
240	LIST	F0	RET P	SET 6, B	
241	LET	F1	POP AF	SET 6, C	
242	PAUSE	F2	JP P, nn	SET 6, D	
243	NEXT	F3	DI	SET 6, E	
244	POKE	F4	CALL P, nn	SET 6, H	
245	PRINT	F5	PUSH AF	SET 6, L	
246	PLOT	F6	OR n	SET 6, (HL)	
247	RUN	F7	RST 48	SET 6, A	
248	SAVE	F8	RET M	SET 7, B	
249	RANDOMIZE	F9	LD SP, HL	SET 7, C	
250	IF	FA	JP M, nn	SET 7, D	
251	CLS	FB	EI	SET 7, E	
252	DRAW	FC	CALL M, nn	SET 7, H	
253	CLEAR	FD	префикс для IV	SET 7, L	
254	RETURN	FE	CP n	SET 7, (HL)	
255	COPY	FF	RST 56	SET 7, A	