

REDUCED Z80 INSTRUCTION SET

FLAG DEF's * = affected
? = unknown
x = no change

Conditional jumps show 2 values: e.g. "RET Z = 1/3" (cycles if condition not met/condition met)

INSTR.	HEX CODE	CYC	FREG - Flags register							
			b7	b6	b5	b4	b3	b2	b1	b0
			S	Z	-	H	-	-	N	C
LD B,E	43	1	x	x	x	x	x	x	x	
LD B,H	44	1	x	x	x	x	x	x	x	
LD B,L	45	1	x	x	x	x	x	x	x	
LD B,n	06 nn	2	x	x	x	x	x	x	x	
LD BC,mn	01 nn mm	3	x	x	x	x	x	x	x	
LD C,(HL)	4E	2	x	x	x	x	x	x	x	
LD C,A	4F	1	x	x	x	x	x	x	x	
LD C,B	48	1	x	x	x	x	x	x	x	
LD C,C	49	1	x	x	x	x	x	x	x	
LD C,D	4A	1	x	x	x	x	x	x	x	
LD C,E	4B	1	x	x	x	x	x	x	x	
LD C,H	4C	1	x	x	x	x	x	x	x	
LD C,L	4D	1	x	x	x	x	x	x	x	
LD C,n	0E nn	2	x	x	x	x	x	x	x	
LD D,(HL)	56	2	x	x	x	x	x	x	x	
LD D,A	57	1	x	x	x	x	x	x	x	
LD D,B	50	1	x	x	x	x	x	x	x	
LD D,C	51	1	x	x	x	x	x	x	x	
LD D,D	52	1	x	x	x	x	x	x	x	
LD D,E	53	1	x	x	x	x	x	x	x	
LD D,H	54	1	x	x	x	x	x	x	x	
LD D,L	55	1	x	x	x	x	x	x	x	
LD D,n	16 nn	2	x	x	x	x	x	x	x	
LD DE,mn	11 nn mm	3	x	x	x	x	x	x	x	
LD E,(HL)	5E	2	x	x	x	x	x	x	x	
LD E,A	5F	1	x	x	x	x	x	x	x	
LD E,B	58	1	x	x	x	x	x	x	x	
LD E,C	59	1	x	x	x	x	x	x	x	
LD E,D	5A	1	x	x	x	x	x	x	x	
LD E,E	5B	1	x	x	x	x	x	x	x	
LD E,H	5C	1	x	x	x	x	x	x	x	
LD E,L	5D	1	x	x	x	x	x	x	x	
LD E,n	1E nn	2	x	x	x	x	x	x	x	
LD H,(HL)	66	2	x	x	x	x	x	x	x	
LD H,A	67	1	x	x	x	x	x	x	x	
LD H,B	60	1	x	x	x	x	x	x	x	
LD H,C	61	1	x	x	x	x	x	x	x	
LD H,D	62	1	x	x	x	x	x	x	x	
LD H,E	63	1	x	x	x	x	x	x	x	
LD H,H	64	1	x	x	x	x	x	x	x	
LD H,L	65	1	x	x	x	x	x	x	x	
LD H,n	26 nn	2	x	x	x	x	x	x	x	
LD HL,(mn)	2A nn mm	5	x	x	x	x	x	x	x	
LD HL,mn	21 nn mm	3	x	x	x	x	x	x	x	
LD L,(HL)	6E	2	x	x	x	x	x	x	x	
LD L,A	6F	1	x	x	x	x	x	x	x	
LD L,B	68	1	x	x	x	x	x	x	x	
LD L,C	69	1	x	x	x	x	x	x	x	
LD L,D	6A	1	x	x	x	x	x	x	x	
LD L,E	6B	1	x	x	x	x	x	x	x	
LD L,H	6C	1	x	x	x	x	x	x	x	
LD L,L	6D	1	x	x	x	x	x	x	x	
LD L,n	2E nn	2	x	x	x	x	x	x	x	
NOP	00	1	x	x	x	x	x	x	x	

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LD C,B	48	1	x	x	x	x	x	x	x	
LD C,C	49	1	x	x	x	x	x	x	x	
LD C,D	4A	1	x	x	x	x	x	x	x	
LD C,E	4B	1	x	x	x	x	x	x	x	
LD C,H	4C	1	x	x	x	x	x	x	x	
LD C,L	4D	1	x	x	x	x	x	x	x	
LD C,n	0E nn	2	x	x	x	x	x	x	x	
LD D,(HL)	56	2	x	x	x	x	x	x	x	
LD D,A	57	1	x	x	x	x	x	x	x	
LD D,B	50	1	x	x	x	x	x	x	x	
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LD D,D	52	1	x	x	x	x	x	x	x	
LD D,E	53	1	x	x	x	x	x	x	x	
LD D,H	54	1	x	x	x	x	x	x	x	
LD D,L	55	1	x	x	x	x	x	x	x	
LD D,n	16 nn	2	x	x	x	x	x	x	x	
LD DE,mn	11 nn mm	3	x	x	x	x	x	x	x	
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LD E,A	5F	1	x	x	x	x	x	x	x	
LD E,B	58	1	x	x	x	x	x	x	x	
LD E,C	59	1	x	x	x	x	x	x	x	
LD E,D	5A	1	x	x	x	x	x	x	x	
LD E,E	5B	1	x	x	x	x	x	x	x	
LD E,H	5C	1	x	x	x	x	x	x	x	
LD E,L	5D	1	x	x	x	x	x	x	x	
LD E,n	1E nn	2	x	x	x	x	x	x	x	
LD H,(HL)	66	2	x	x	x	x	x	x	x	
LD H,A	67	1	x	x	x	x	x	x	x	
LD H,B	60	1	x	x	x	x	x	x	x	
LD H,C	61	1	x	x	x	x	x	x	x	
LD H,D	62	1	x	x	x	x	x	x	x	
LD H,E	63	1	x	x	x	x	x	x	x	
LD H,H	64	1	x	x	x	x	x	x	x	
LD H,L	65	1	x	x	x	x	x	x	x	
LD H,n	26 nn	2	x	x	x	x	x	x	x	
LD HL,(mn)	2A nn mm	5	x	x	x	x	x	x	x	
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LD L,(HL)	6E	2	x	x	x	x	x	x	x	
LD L,A	6F	1	x	x	x	x	x	x	x	
LD L,B	68	1	x	x	x	x	x	x	x	
LD L,C	69	1	x	x	x	x	x	x	x	
LD L,D	6A	1	x	x	x	x	x	x	x	
LD L,E	6B	1	x	x	x	x	x	x	x	
LD L,H	6C	1	x	x	x	x	x	x	x	
LD L,L	6D	1	x	x	x	x	x	x	x	
LD L,n	2E nn	2	x	x	x	x	x	x	x	
NOP	00	1	x	x	x	x	x	x	x	