Hex	Mnemonic	Hex	Mnemonic	Hex	Mnemonic	Hex	Mnemonic
0	NOP	50	MOV D,B	9B	SBB E	E9	PCHL
1	LXI B	51	MOV D,C	9C	SBB H	EA	JPE
2	STAX B	52	MOV D,D	9D	SBB L	EB	XCHG
3	INX B	53	MOV D,E	9E	SBB M	EC	CPE
4	INR B	54	MOV D,H	9F	SBB A	EE	XRI
5	DCR B	55	MOV D,L	A0	ANA B	EF	RST 5
6	MVI B	56	MOV D,M	A1	ANA C	F0	RP
7	RLC	57	MOV D,A	A2	ANA D	F1	POP PSW
9	DAD B	58	MOV E,B	A3	ANA E	F2	JP
0A	LDAX B	59	MOV E,C	A4	ANA H	F3	DI
0B	DCX B	5A	MOV E,D	A5	ANA L	F4	CP
0C	INR C	5B	MOV E,E	A6	ANA M	F5	PUSH PSW
0D	DCR C	5C	MOV E,H	A7	ANA A	F6	ORI
0E	MVI C	5D	MOV E,L	A8	XRA B	F7	RST 6
0F	RRC	5E	MOV E,M	A9	XRA C	F8	RM
11	LXI D	5F	MOV E,A	AA	XRA D	F9	SPHL
12	STAX D	60	MOV H,B	AB	XRA E	FA	JM
13	INX D	61	MOV H,C	AC	XRA H	FB	EI
14	INR D	62	MOV H,D	AD	XRA L	FC	CM
15	DCR D	63	MOV H,E	AE	XRA M	FE	CPI
16	MVI D	64	MOV H,H	AF	XRA A	FF	RST 7
17	RAL	65	MOV H,L	B0	ORA B		
19	DAD D	66	MOV H,M	B1	ORA C		
1A	LDAX D	67	MOV H,A	B2	ORA D		
1B	DCX D	68	MOV L,B	B3	ORA E		
1C	INR E	69	MOV L,C	B4	ORA H		
1D	DCR E	6A	MOV L,D	B5	ORA L		
1E	MVI E	6B	MOV L,E	B6	ORA M		
1F	RAR	6C	MOV L,H	B7	ORA A		
20	RIM	6D	MOV L,L	B8	CMP B		
21	LXI H	6E	MOV L,M	B9	CMP C		
22	SHLD	6F	MOV L,A	BA	CMP D		
23	INX H	70	MOV M,B	BB	CMP E		
24	INR H	71	MOV M,C	BC	CMP H		
25	DCR H	72	MOV M,D	BD	CMP L		
26	MVI H	73	MOV M,E	BE	CMP M		
27	DAA	74	MOV M,H	BF	CMP A		
29	DAD H	75	MOV M,L	C0	RNZ		
2A	LHLD	76	HLT	C1	POP B		
2B	DCX H	77	MOV M,A	C2	JNZ		
2C	INR L	78	MOV A,B	C3	JMP		
2D	DCR L	79	MOV A,C	C4	CNZ		
2E	MVI L	7A	MOV A,D	C5	PUSH B		

2F	CMA	7B	MOV A,E	C6	ADI		
30	SIM	7C	MOV A,H	C7	RST 0		
31	LXI SP	7D	MOV A,L	C8	RZ		
32	STA	7E	MOV A,M	C9	RET		
33	INX SP	7F	MOA A,A	CA	JZ		
34	INR M	80	ADD B	CC	CZ		
35	DCR M	81	ADD C	CD	CALL		
36	MVI M	82	ADD D	CE	ACI		
37	STC	83	ADD E	CF	RST 1		
39	DAD SP	84	ADD H	D0	RNC		
3A	LDA	85	ADD L	D1	POP D		
3B	DCX SP	86	ADD M	D2	JNC		
3C	INR A	87	ADD A	D3	OUT		
3D	DCR A	88	ADC B	D4	CNC		
3E	MVI A	89	ADC C	D5	PUSH D		
3F	CMC	8A	ADC D	D6	SUI		
40	MOV B,B	8B	ADC E	D7	RST 2		
41	MOV B,C	8C	ADC H	D8	RC		
42	MOV B,D	8D	ADC L	DA	JC		
43	MOV B,E	8E	ADC M	DB	IN		
44	MOV B,H	8F	ADC A	DC	CC		
45	MOV B,L	90	SUB B	DE	SBI		
46	MOV B,M	91	SUB C	DF	RST 3		
47	MOV B,A	92	SUB D	E0	RPO		
48	MOV C,B	93	SUB E	E1	POP H		
49	MOV C,C	94	SUB H	E2	JPO		
4A	MOV C,D	95	SUB L	E3	XTHL		
4B	MOV C,E	96	SUB M	E4	CPO		
4C	MOV C,H	97	SUB A	E5	PUSH H		
4D	MOV C,L	98	SBB B	E6	ANI		
4E	MOV C,M	99	SBB C	E7	RST 4		
4F	MOV C,A	9A	SBB D	E8	RPE		