code	mnemo	nic		Т	S Z AC P C	code	mnemo	onic		т	SZACPC	code	mnem	onic		т	S Z AC P C
06	MVI	B,n	move value to B	7T		78	MOV	A,B	move B to A	5T		70	MOV	M,B	store B to memory (HL)	7T	
0E	MVI	C,n		7T		79	MOV	A,C	move C to A	5T		71	MOV	M,C	store C to memory (HL)	7T	
16	MVI	D,n		7T		7A	MOV	A,D	move D to A	5T		72	MOV	M,D	store D to memory (HL)	7T	
1E	MVI	E,n	move value to E	7T		7в	MOV	A,E	move E to A	5T		73	MOV	M,E	store E to memory (HL)	7T	
26	MVI	H,n		7T		7C	MOV	A,H	move H to A	5T		74	MOV	M,H	store H to memory (HL)	7T	
2E	MVI	L,n		7T		7D	MOV	A,L	move L to A	5T		75	MOV	M,L	store L to memory (HL)	7T	
36	MVI	M,n	move value to memory (HL)	10T		7E	MOV	A,M	move memory (HL) to A	7T		77	MOV	M,A	store A to memory (HL)	7T	
3E		A,n	-	7T		7F		A,A	move A to A	5T		, ,	1101	,	Store I to memory (III)	, 1	
32		,	move value to 11	, 1		/ 1	1101	,	move /1 to /1	31							
40	MOV	B,B	move B to B	5T		50	MOV	D,B	move B to D	5T		60	MOV	H,B	move B to H	5T	
41	MOV	B,C	move C to B	5T		51	MOV	D,C	move C to D	5T		61	MOV	H,C	move C to H	5T	
42	MOV	B,D	move D to B	5T		52	MOV	D,D	move D to D	5T		62	MOV	H,D	move D to H	5T	
43	MOV	B,E	move E to B	5T		53	MOV	D,E	move E to D	5T		63	MOV	H,E	move E to H	5T	
44	MOV	B,H	move H to B	5T		54	MOV	D,H	move H to D	5T		64	MOV	H,H	move H to H	5T	
45	MOV	B,L	move L to B	5T		55	MOV	D,L	move L to D	5T		65	MOV	H,L	move L to H	5T	
46	MOV	B,M	move memory (HL) to B	7T		56	MOV	D,M	move memory (HL) to D	7T		66	MOV	H,M	move memory (HL) to H	7T	
47	MOV	B,A	move A to B	5T		57	MOV	D,A	move A to D	5T		67	MOV	H,A	move A to H	5T	
48	MOV	C,B	move B to C	5T		58	MOV	E,B	move B to E	5T		68	MOV	L,B	move B to L	5T	
49	MOV	C,C	move C to C	5T		59	MOV	E,C	move C to E	5T		69	MOV	L,C	move C to L	5T	
4A	MOV	C,D	move D to C	5T		5A	MOV	E,D	move D to E	5T		бA	MOV	L,D	move D to L	5T	
4B	MOV	C,E	move E to C	5T		5B	MOV	E,E	move E to E	5T		6B	MOV	L,E	move E to L	5T	
4C	MOV	C,H	move H to C	5T		5C	MOV	E,H	move H to E	5T		6C	MOV	L,H	move H to L	5T	
4D	MOV	C,L	move L to C	5T		5D	MOV	E,L	move L to E	5T		6D	MOV	L,L	move L to L	5T	
4E	MOV	C,M	move memory (HL) to C	7T		5E	MOV	E,M	move memory (HL) to E	7T		6E	MOV	L,M	move memory (HL) to L	7T	
4F	MOV	C,A	move A to C	5T		5F	MOV	E,A	move A to E	5T		6F	MOV	L,A	move A to L	5T	
0.7	LDAY	D	load mamary (BC) to A	7.00		0.0	3 DD	ъ	add B to A	4.00		0.0	3.00		and B to A with sorm	4.00	
0A	LDAX			7T		80	ADD	В	add B to A	4T	x x x x x		ADC	В	add B to A with carry	4T	x x x x x
1A	LDAX		*	7T		81	ADD	C	add C to A	4T		89	ADC	C	add C to A with carry	4T	x x x x x
2A	LHLD			16T		82	ADD	D _	add D to A	4T	X X X X X		ADC	D _	add D to A with carry	4T	x x x x x
3A	LDA	nn	load memory (nn) to A	13T		83	ADD	E	add E to A	4T		8B	ADC	E	add E to A with carry	4T	x x x x x
						84	ADD	H	add H to A	4T		8C	ADC	H	add H to A with carry	4T	x x x x x
02			* ' '	7T		85	ADD	L	add L to A	4T		8D	ADC	L	add L to A with carry	4T	x x x x x
12	STAX		7 . 7	7T		86	ADD	M	add memory (HL) to A	7T	x x x x x		ADC	M	add memory (HL) to A with carry	7T	x x x x x
22	SHLD		*	16T		87		A	add A to A	4T		8F	ADC	A	add A to A with carry	4T	x x x x x
32	STA	nn	store A to memory (nn)	13T		C6	ADI	n	add value to A	7T	X X X X X	CE	ACI	n	add value to A with carry	7T	X X X X X
01	LXI	B,nn	load address to BC	10T		09	DAD	В	add BC to HL	10T	Х	C1	POP	В	pop BC from stack	10T	
11	LXI	D,nn	load address to DE	10T		19	DAD	D	add DE to HL	10T	х	D1	POP	D	pop DE from stack	10T	
21	LXI	H,nn		10T		29	DAD	н	add HL to HL	10T		E1	POP	н	pop HL from stack	10T	
31	LXI	SP,nn		10T		39	DAD	SP	add stack pointer to HL	10T		F1	POP	PSW	pop PSW (AF) from stack	10T	$x \times x \times x$
07	RLC		rotate A left	4T	Х	27	DAA		decimal adjust	4T	x	C5	PUSH	В	push BC to stack	11T	,
0F	RRC		rotate A right	4T	Х	2F	CMA		complement A	4T		D5	PUSH	D	push DE to stack	11T	
17	RAL		rotate A left with carry	4T	X	37	STC		set carry flag	4T	1	E5	PUSH	H	push HL to stack	11T	
1F	RAR		rotate A right with carry	4T	х	3F	CMC		complement carry flag	4T	Х	F5	PUSH	PSW	push PSW (AF) to stack	11T	
D 3	0		output 4 to nort number	100		T 2	v		avahanga tan address to start with the	1.0m		70	DC		tuman to address in !!!	- m	
D3	OUT	n	' '	10T		E3	XTHL		exchange top address in stack with HL	18T		E9	PCHL		jump to address in HL	5T	
DB	IN	n	input from port number to A	10T		EB	XCHG		exchange HL with DE	4T		F9	SPHL		load HL to stack pointer	5T	
L]

code mnemonic			т	S Z AC P C	code mnemonic		onic		т	SZACPC	code	mnem	onic		т	SZACPC	
04	INR	В	increment B	5Т	xxxx	05	DCR	В	decrement B	5Т	xxxx	03	INX	В	increment BC	5Т	
0C	INR	С	increment C	5T	xxxx	0D	DCR	С	decrement C	5T	xxxx	13	INX	D	increment DE	5T	
14	INR	D	increment D	5T	xxxx	15	DCR	D	decrement D	5T	xxxx	23	INX	Н	increment HL	5T	
1C	INR	E	increment E	5T	xxxx	1D	DCR	E	decrement E	5T	xxxx	33	INX	SP	increment stack pointer	5T	
24	INR	н		5T	xxxx	25		н	decrement H	5T	xxxx	0B	DCX	В	decrement BC	5T	
2C	INR	L		5T	xxxx	2D		L	decrement L	5T	xxxx	1B	DCX	D	decrement DE	5T	
34	INR	M		10T	xxxx	35		M	decrement memory (HL)	10T	xxxx	2B	DCX	н	decrement HL	5T	
3C	INR	A	* ' '	5T	XXXX	3D		A	decrement A	5T	xxxx	3B	DCX	SP	decrement stack pointer	5T	
			more smerrer	01		52			aco ement i	0.1		32			accircine stack penner	31	
A0	ANA	В	and A with B	4T	x x x x 0	в0	ORA	В	or A with B	4T	x x 0 x 0	A8	XRA	В	xor A with B	4T	x x 0 x 0
A1	ANA	c		4T		в1		C	or A with C	4T		A9	XRA	C	xor A with C	4T	x x 0 x 0
A2	ANA	D		4T		в2	ORA		or A with D	4T		AA	XRA	D	xor A with D	4T	x x 0 x 0
A3	ANA	E		4T		в3	ORA		or A with E	4T		AB	XRA	E	xor A with E	4T	x x 0 x 0
A4	ANA	н		4T		в4	ORA		or A with H	4T		AC	XRA	н	xor A with H	4T	x x 0 x 0
	ANA	L		4T		B5		L	or A with L	4T		AD	XRA	L	xor A with L	4T	x x 0 x 0
A5	ANA	м		7T		в5	ORA		or A with memory (HL)	7T		AE AE	XRA	м	xor A with memory (HL)	7T	x x 0 x 0
A6 A7	ANA	M A	, , ,	4T		во В7	ORA		or A with A	4T		AE AF	XRA	M A	xor A with A	4T	x x 0 x 0
E6	ANI	n n		7T		Б7 F6		n n	or A with value	7T		EE	XRI	n n	xor A with value	7T	X X O X O
FO	ANI	11	anu A with value	/1	****	ro	ORI	11	Of A Willi Value	/1	x x 0 x 0	EE	VKT	11	XOI A WITH Value	/ 1	X X U X U
D.O.	CIME		commons A with B	4T		0.0	attp.	ъ	aubtraat B from A	4T		0.0	ann		subtract B from A with corry	4T	
B8	CMP	B	,	4T	x x x x x	90		В	subtract B from A subtract C from A		X X X X X		SBB	B C	subtract B from A with carry	4T	X X X X X
B9	CMP		,		X X X X X	91		C		4T		99	SBB		subtract C from A with carry		X X X X X
BA	CMP	D _	,	4T		92		D -	subtract D from A	4T	X X X X X		SBB	D —	subtract D from A with carry	4T	XXXXX
BB	CMP	E	,	4T		93	SUB	E	subtract E from A	4T		9B	SBB	E	subtract E from A with carry	4T	X X X X X
BC	CMP	H	,	4T		94		H	subtract H from A	4T		9C	SBB	H	subtract I from A with carry	4T	X X X X X
BD	CMP	L	,	4T		95		L	subtract L from A	4T		9D	SBB	L	subtract L from A with carry	4T	XXXXX
BE	CMP	M		7T		96		M	subtract memory (HL) from A	7T		9E	SBB	M	subtract memory (HL) from A with carry		x x x x x
BF	CMP	A	,	4T		97		A	subtract A from A	4T		9F	SBB	A	subtract A from A with carry	4T	X X X X X
FE	CPI	n	compare A with value	7T	x	D6	SUI	n	subtract value from A	7T	XXXXX	DE	SBI	n	subtract value from A with carry	7T	XXXXX
90	7375		and distance livery (not a see See)	100		G.4	COVE		and the section of th	11 /1 Fm		g0	D.170			F /11 m	
C2	JNZ	nn	. , .	10T		C4	CNZ	nn	conditional call (not zero flag)	11/17T		C0	RNZ		conditional return (not zero flag)	5/11T	
CA	JZ	nn	, , .	10T		CC	CZ	nn	conditional call (zero flag)	11/17T		C8	RZ		conditional return (zero flag)	5/11T	
D2	JNC	nn	, , , , , , , , , , , , , , , , , , , ,	10T		D4	CNC	nn	conditional call (not carry flag)	11/17T		D0	RNC		conditional return (not carry flag)	5/11T	
DA	JC	nn	, , , , , , ,	10T		DC	CC	nn	conditional call (carry flag)	11/17T		D8	RC		conditional return (carry flag)	5/11T	
E2	JPO	nn	, , , , ,	10T		E4	CPO	nn	conditional call (parity odd flag)	11/17T		E0	RPO		conditional return (parity odd flag)	5/11T	
EA	JPE	nn	, , , ,	10T		EC	CPE	nn	conditional call (parity even flag)	11/17T		E8	RPE		conditional return (parity even flag)	5/11T	!
F2	JP	nn	, , ,	10T		F4	CP	nn	conditional call (positive flag)	11/17T		F0	RP		conditional return (positive flag)	5/11T	'
FA	JM	nn	, , ,	10T		FC	CM	nn	conditional call (minus flag)	11/17T		F8	RM		conditional return (minus flag)	5/11T	!
C3	JMP	nn	jump to direct address	10T		CD	CALL	nn	call to direct address	17T		C9	RET		return	10T	
												С7	RST	0	restart to 0000h	11T	
						I						CF	RST	1	restart to 0008h	11T	'
						I						D7	RST	2	restart to 0010h	11T	
												DF	RST	3	restart to 0018h	11T	
00	NOP		no operation	4T								E7	RST	4	restart to 0020h	11T	
76	HLT		halt									EF	RST	5	restart to 0028h	11T	
F3	DI		disable interrupt	4T								F7	RST	6	restart to 0030h	11T	
FB	EI		enable interrupt	4T								FF	RST	7	restart to 0038h	11T	
			-														