

GATE THE Direction

Facebook page: GATE THE Direction

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Group on Facebook: The direction for GATE

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Instruction table:

Hex	mnemonic	Hex	mnemonic	Hex	mnemonic	Hex	mnemonic
CE	ACI 8-Bit	3F	CMC	2B	DCX H	01	LXI B,16-Bit
8F	ADC A	BF	CMP A	3B	DCX SP	11	LXI D,16-Bit
88	ADC B	B8	CMP B	F3	DI	21	LXI H,16-Bit
89	ADC C	B9	CMP C	FB	EI	31	LXI SP,16-Bit
8A	ADC D	BA	CMP D	76	HLT	7F	MOV A A
8B	ADC E	BB	CMP E	DB	IN 8-Bit	78	MOV A B
8C	ADC H	BC	CMP H	3C	INR A	79	MOV A C
8D	ADC L	BD	CMP	04	INR B	7A	MOV A D
8E	ADC M	BE	CMP M	0C	INR C	7B	MOV A E
87	ADD A	D4	CNC 16-Bit	14	INR D	7C	MOV A H
80	ADD B	C4	CNZ 16-Bit	1C	INR E	7D	MOV A L
81	ADD C	F4	CP 16-Bit	24	INR H	7E	MOV A M
82	ADD D	EC	CPE 16-Bit	2C	INR L	47	MOV B A
83	ADD E	FE	CPI 8-Bit	34	INR M	40	MOV B B
84	ADD H	E4	CPO 16-Bit	03	INX B	41	MOV B C
85	ADD L	CC	CZ 16-Bit	13	INX D	42	MOV B D
86	ADD M	27	DAA	23	INX H	43	MOV B E
C6	ADI 8-Bit	09	DAD B	33	INX SP	44	MOV B H
A7	ANA A	19	DAD D	DA	JC 16-Bit	45	MOV B L
A0	ANA B	29	DAD H	FA	JM 16-Bit	46	MOV B M
A1	ANA C	39	DAD SP	C3	JMP 16-Bit	4F	MOV C A
A2	ANA D	3D	DCR A	D2	JNC 16-Bit	48	MOV C B
A3	ANA E	05	DCR B	C2	JNC 16-Bit	49	MOV C C
A4	ANA H	0D	DCR C	F2	JP 16-Bit	4A	MOV C D
A5	ANA L	15	DCR D	EA	JPE 16-Bit	4B	MOV C E
A6	ANA M	1D	DCR E	E2	JPO 16-Bit	4C	MOV C H
E6	ANA 8-Bit	25	DCR H	CA	JZ 16-Bit	4D	MOV C L
CD	CALL 16-Bit	2D	DCR L	3A	LDA 16-Bit	4E	MOV C M
DC	CC 16-Bit	35	DCR M	0A	LDAX B	57	MOV D A
FC	CM 16-Bit	0B	DCX B	1A	LDAX D	50	MOV D B
2F	CMA	1B	DCX D	2A	LHLD 16-Bit	51	MOV D C

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52	MOV D D	71	MOV M C	E5	PUSH H	9E	SBB M
53	MOV D E	72	MOV M D	F5	PUSH PSW	DE	SBI 8-Bit
54	MOV D H	73	MOV M E	17	RAL	22	SHLD 16-Bit
55	MOV D L	74	MOV M H	1F	RAR	30	SIM
56	MOV D M	75	MOV M L	D8	RC	F9	SPHL
5F	MOV E A	3E	MVI A 8-Bit	C9	RET	32	STA 16-Bit
58	MOV E B	06	MVI B 8-Bit	20	RIM	02	STAX B
59	MOV E C	0E	MVI C 8-Bit	07	RLC	12	STAX D
5A	MOV E D	16	MVI D 8-Bit	F8	RM	37	STC
5B	MOV E E	1E	MOV E 8-Bit	D0	RNC	97	SUB A
5C	MOV E H	26	MVI H 8-Bit	C0	RNC	90	SUB B
5D	MOV E L	2E	MVI L 8-Bit	F0	RP	91	SUB C
5E	MOV E M	36	MVI M 8-Bit	E8	RPE	92	SUB D
67	MOV H A	00	NOP	E0	RPO	93	SUB E
60	MOV H B	B7	ORA A	0F	RRC	94	SUB H
61	MOV H C	B0	ORA B	C7	RST 0	95	SUB L
62	MOV H D	B1	ORA C	CF	RST 1	96	SUB M
63	MOV H E	B2	ORA D	D7	RST 2	D6	SUI 16-Bit
64	MOV H H	B3	ORA E	DF	RST 3	EB	XCHG
65	MOV H L	B4	ORA H	E7	RST 4	AF	XRA A
66	MOV H M	B5	ORA L	EF	RST 5	A8	XRA B
6F	MOV L A	B6	ORA M	F7	RST 6	A9	XRA C
68	MOV L B	F6	ORI 8-Bit	FF	RST 7	AA	XRA D
69	MOV L C	D3	OUT 8-Bit	C8	RZ	AB	XRA E
6A	MOV L D	E9	PCHL	9F	SBB A	AC	XRA H
6B	MOV L E	C1	POP B	98	SBB B	AD	XRA L
6C	MOV L H	D1	POP D	99	SBB C	AE	XRA M
6D	MOV L L	E1	POP H	9A	SBB D	EE	XRI 8-Bit
6E	MOV L M	F1	POP PSW	9B	SBB E	E3	XTHL
77	MOV M A	C5	PUSH B	9C	SBB H		
70	MOV M B	D5	PUSH D	9D	SBB L		