	х0	x1	x2	х3	x4	x5	х6	х7	x8	х9	×Α	хВ	хC	хD	хE	хF
	NOP	LD BC,d16	LD (BC),A	INC BC	INC B	DEC B	LD B,d8	RLCA	LD (a16),SP	ADD HL,BC	LD A,(BC)	DEC BC	INC C	DEC C	LD C,d8	RRCA
0x	1 4	3 12	1 8	1 8	1 4	1 4	2 8	1 4	3 20	1 8	1 8	1 8	1 4	1 4	2 8	1 4
					Z 0 H -	Z 1 H -		000C		- 0 H C			Z 0 H -	Z 1 H -		000C
	STOP 0	LD DE,d16	LD (DE),A	INC DE	INC D	DEC D	LD D,d8	RLA	JR r8	ADD HL, DE	LD A,(DE)	DEC DE	INC E	DEC E	LD E,d8	RRA
1x	2 4	3 12	1 8	1 8	1 4	1 4	2 8	1 4	2 12	1 8	1 8	1 8	1 4	1 4	2 8	1 4
					Z 0 H -	Z 1 H -		000C		- 0 H C			Z 0 H -	Z 1 H -		000C
2x	JR NZ,r8	LD HL,d16	LD (HL+),A	INC HL	INC H	DEC H	LD H,d8	DAA	JR Z,r8	ADD HL,HL	LD A,(HL+)	DEC HL	INC L	DEC L	LD L,d8	CPL
	2 12/8	3 12	1 8	1 8	1 4 Z 0 H –	1 4 Z 1 H –	2 8	1 4 Z – 0 C	2 12/8	18 -0HC	1 8	1 8	1 4 Z 0 H –	1 4 Z 1 H –	2 8	1 4
	JR NC,r8	LD SP,d16	LD (HL-),A	INC SP	INC (HL)	DEC (HL)	LD (HL),d8	SCF	JR C,r8	ADD HL,SP	LD A,(HL-)	DEC SP	INC A	DEC A	LD A,d8	- 1 1 - CCF
3x	2 12/8	3 12	1 8	1 8	1 12	1 12	2 12	1 4	2 12/8	1 8	1 8	1 8	1 4	1 4	2 8	1 4
J^					Z 0 H -	Z 1 H -		-001		- 0 H C			Z 0 H -	Z 1 H -		- 0 0 C
	LD B,B	LD B,C	LD B,D	LD B,E	LD B,H	LD B,L	LD B,(HL)	LD B,A	LD C,B	LD C,C	LD C,D	LD C,E	LD C,H	LD C,L	LD C,(HL)	LD C,A
4x	1 4	1 4	1 4	1 4	1 4	1 4	1 8	1 4	1 4	1 4	1 4	1 4	1 4	1 4	1 8	1 4
120																
	LD D,B	LD D,C	LD D,D	LD D,E	LD D,H	LD D,L	LD D,(HL)	LD D,A	LD E,B	LD E,C	LD E,D	LD E,E	LD E,H	LD E,L	LD E,(HL)	LD E,A
5x	1 4	1 4	1 4	1 4	1 4	1 4	1 8	1 4	1 4	1 4	1 4	1 4	1 4	1 4	1 8	1 4
	LD H,B	LD H,C	LD H,D	LD H,E	LD H,H	LD H,L	LD H,(HL)	LD H,A	LD L,B	LD L,C	LD L,D	LD L,E	LD L,H	LD L,L	LD L,(HL)	LD L,A
6x	1 4	1 4	1 4	1 4	1 4	1 4	1 8	1 4	1 4	1 4	1 4	1 4	1 4	1 4	1 8	1 4
	LD (HL),B	LD (HL),C	LD (HL),D	LD (HL),E	LD (HL),H	LD (HL),L	HALT	LD (HL),A	LD A,B	LD A,C	LD A,D	LD A,E	LD A,H	LD A,L	LD A,(HL)	LD A,A
7x	1 8	1 8	1 8	1 8	1 8	1 8	1 4	1 8	1 4	1 4	1 4	1 4	1 4	1 4	1 8	1 4
8x	ADD A,B	ADD A,C	ADD A,D	ADD A,E	ADD A,H	ADD A,L	ADD A,(HL)	ADD A,A	ADC A,B	ADC A,C	ADC A,D	ADC A,E	ADC A,H	ADC A,L	ADC A,(HL)	ADC A,A
OX.	Z 0 H C	1 4 Z 0 H C	1 4 Z 0 H C	1 4 Z 0 H C	1 4 Z 0 H C	1 4 Z 0 H C	1 8 Z 0 H C	1 4 Z 0 H C	18 Z0HC	1 4 Z 0 H C						
	SUB B	SUB C	SUB D	SUB E	SUB H	SUB L	SUB (HL)	SUB A	SBC A,B	SBC A,C	SBC A,D	SBC A,E	SBC A,H	SBC A,L	SBC A,(HL)	SBC A,A
9x	1 4	1 4	1 4	1 4	1 4	1 4	1 8	1 4	1 4	1 4	1 4	1 4	1 4	1 4	1 8	1 4
37	Z 1 H C	Z 1 H C	Z 1 H C	Z 1 H C	Z 1 H C	Z 1 H C	Z 1 H C	Z 1 H C	Z 1 H C	Z 1 H C	Z 1 H C	Z 1 H C	Z 1 H C	Z 1 H C	Z 1 H C	Z 1 H C
	AND B	AND C	AND D	AND E	AND H	AND L	AND (HL)	AND A	XOR B	XOR C	XOR D	XOR E	XOR H	X0R L	XOR (HL)	XOR A
Ax	1 4	1 4	1 4	1 4	1 4	1 4	1 8	1 4	1 4	1 4	1 4	1 4	1 4	1 4	1 8	1 4
	Z 0 1 0	Z 0 1 0	Z 0 1 0	Z 0 1 0	Z 0 1 0	Z 0 1 0	Z 0 1 0	Z 0 1 0	Z 0 0 0	Z 0 0 0	Z 0 0 0	Z 0 0 0	Z Ø Ø Ø	Z 0 0 0	Z 0 0 0	Z 0 0 0
	OR B	OR C	OR D	OR E	OR H	OR L	OR (HL)	OR A	CP B	CP C	CP D	CP E	CP H	CP L	CP (HL)	CP A
Bx	1 4	1 4	1 4	1 4	1 4	1 4	1 8	1 4	1 4	1 4	1 4	1 4	1 4	1 4	1 8	1 4
	Z 0 0 0	Z 0 0 0	Z 0 0 0	Z 0 0 0	Z 0 0 0	Z 0 0 0	Z 0 0 0	Z 0 0 0	Z 1 H C	Z 1 H C	Z 1 H C	Z 1 H C	Z 1 H C	Z 1 H C	Z 1 H C	Z 1 H C
	RET NZ	POP BC	JP NZ,a16	JP a16	CALL NZ,a16	PUSH BC	ADD A,d8	RST 00H	RET Z	RET	JP Z,a16	PREFIX CB	CALL Z,a16	CALL a16	ADC A,d8	RST 08H
Cx	1 20/8	1 12	3 16/12	3 16	3 24/12	1 16	2 8	1 16	1 20/8	1 16	3 16/12	1 4	3 24/12	3 24	2 8	1 16
	DET NC						Z Ø H C								ZOHC	
Dir	RET NC	POP DE	JP NC,a16		CALL NC,a16	PUSH DE	SUB d8	RST 10H	RET C	RETI 1 16	JP C,a16		CALL C,a16		SBC A,d8	RST 18H
Dx	1 20/8	1 12	3 16/12		3 24/12	1 16	2 8 Z 1 H C	1 16	1 20/8	1 16	3 16/12		3 24/12		28 Z1HC	1 16
	LDH (a8),A	POP HL	LD (C),A			PUSH HL	AND d8	RST 20H	ADD SP,r8	JP (HL)	LD (a16),A				XOR d8	RST 28H
Ex	2 12	1 12	2 8			1 16	2 8	1 16	2 16	1 4	3 16				2 8	1 16
							Z 0 1 0		0 0 H C						Z 0 0 0	
	LDH A,(a8)	POP AF	LD A,(C)	DI		PUSH AF	OR d8	RST 30H	LD HL,SP+r8	LD SP,HL	LD A,(a16)	EI			CP d8	RST 38H
Fx	2 12	1 12	2 8	1 4		1 16	2 8	1 16	2 12	1 8	3 16	1 4			2 8	1 16
		ZNHC					Z 0 0 0		0 0 H C						Z 1 H C	

	x0	x1	x2	x3	x4	x5	x6	x7	x8	x9	ΧA	хB	хC	хD	хE	хF
	RLC B	RLC C	RLC D	RLC E	RLC H	RLC L	RLC (HL)	RLC A	RRC B	RRC C	RRC D	RRC E	RRC H	RRC L	RRC (HL)	RRC A
0x	2 8	2 8	2 8	2 8	2 8	2 8	2 16	2 8	2 8	2 8	2 8	2 8	2 8	2 8	2 16	2 8
	Z 0 0 C	Z 0 0 C	Z 0 0 C	Z Ø Ø C	Z 0 0 C	Z 0 0 C	Z 0 0 C	Z 0 0 C	Z 0 0 C	Z 0 0 C	Z Ø Ø C	Z Ø Ø C	Z 0 0 C	Z Ø Ø C	Z 0 0 C	Z 0 0 C
	RL B	RL C	RL D	RL E	RL H	RL L	RL (HL)	RL A	RR B	RR C	RR D	RR E	RR H	RR L	RR (HL)	RR A
1x	2 8	2 8	2 8	2 8	2 8	2 8	2 16	2 8	2 8	2 8	2 8	2 8	2 8	2 8	2 16	2 8
	Z 0 0 C	Z 0 0 C	Z 0 0 C	Z 0 0 C	Z 0 0 C	Z 0 0 C	Z 0 0 C	Z 0 0 C	Z 0 0 C	Z 0 0 C	Z 0 0 C	Z 0 0 C	Z 0 0 C	Z 0 0 C	Z 0 0 C	Z 0 0 C
	SLA B	SLA C	SLA D	SLA E	SLA H	SLA L	SLA (HL)	SLA A	SRA B	SRA C	SRA D	SRA E	SRA H	SRA L	SRA (HL)	SRA A
2x	2 8	2 8	2 8	2 8	2 8	2 8	2 16	2 8	2 8	2 8	2 8	2 8	2 8	2 8	2 16	2 8
-^	z ø ø c	z o o c	z ø ø c	z o o c	zooc	zooc	Z 0 0 C	z o o c	z 0 0 0	Z 0 0 0	Z 0 0 0	Z 0 0 0	Z 0 0 0	z 0 0 0	Z 0 0 0	Z 0 0 0
	SWAP B	SWAP C	SWAP D	SWAP E	SWAP H	SWAP L	SWAP (HL)	SWAP A	SRL B	SRL C	SRL D	SRL E	SRL H	SRL L	SRL (HL)	SRL A
3.4	2 8	2 8	2 8	2 8	2 8	2 8	2 16	2 8	2 8	2 8	2 8	2 8	2 8	2 8	2 16	2 8
J ^	Z 0 0 0	Z 0 0 0	Z 0 0 0	Z 0 0 0	Z 0 0 0	z 0 0 0	Z 0 0 0	Z 0 0 0	z o o c	z o o c	z 0 0 c	z o o c	Z 0 0 C	zooc	Z O O C	z o o c
	BIT 0,B	BIT 0,C	BIT Ø,D	BIT 0,E	BIT 0,H	BIT 0,L	BIT 0,(HL)	BIT 0,A	BIT 1,B	BIT 1,C	BIT 1,D	BIT 1,E	BIT 1,H	BIT 1,L	BIT 1,(HL)	BIT 1,A
4x	2 8	2 8	2 8	2 8	2 0	2 8	2 16	2 8	2 8	2 8	2 8	2 8	2 0	2 8	2 16	2 8
7^	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -
5x	BIT 2,B	BIT 2,C 2 8	BIT 2,D 2 8	BIT 2,E 2 8	BIT 2,H	BIT 2,L 2 8	BIT 2,(HL) 2 16	BIT 2,A 2 8	BIT 3,B 2 8	BIT 3,C 2 8	BIT 3,D 2 8	BIT 3,E 2 8	BIT 3,H 2 8	BIT 3,L 2 8	BIT 3,(HL) 2 16	BIT 3,A 2 8
ox	28				7 0 1											
	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -
6	BIT 4,B	BIT 4,C	BIT 4,D	BIT 4,E	BIT 4,H	BIT 4,L	BIT 4,(HL)	BIT 4,A	BIT 5,B	BIT 5,C	BIT 5,D	BIT 5,E	BIT 5,H	BIT 5,L	BIT 5,(HL)	BIT 5,A
ox	2 0 7 0 1	2 ŏ	28	2 8	7 0 1	7 0 1	2 16	2 8	2 8	2 8	7 0 1	2 8	2 8	2 8	2 16	2 8
	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -
7x	BIT 6,B	BIT 6,C	BIT 6,D	BIT 6,E	BIT 6,H	BIT 6,L	BIT 6,(HL)	BIT 6,A	BIT 7,B	BIT 7,C	BIT 7,D	BIT 7,E	BIT 7,H	BIT 7,L	BIT 7,(HL)	BIT 7,A
/x	2 8	2 8	2 8	2 8	2 8	2 8	2 16	2 8	2 8	2 8	2 8	2 8	2 8	2 8	2 16	2 8
	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -	Z 0 1 -
	RES 0,B	RES 0,C	RES Ø,D	RES 0,E	RES 0,H	RES 0,L	RES 0,(HL)	RES 0,A	RES 1,B	RES 1,C	RES 1,D	RES 1,E	RES 1,H	RES 1,L	RES 1,(HL)	RES 1,A
8x	2 8	2 8	2 8	2 8	2 8	2 8	2 16	2 8	2 8	2 8	2 8	2 8	2 8	2 8	2 16	2 8
0	RES 2,B	RES 2,C	RES 2,D	RES 2,E	RES 2,H	RES 2,L	RES 2,(HL)	RES 2,A	RES 3,B	RES 3,C	RES 3,D	RES 3,E	RES 3,H	RES 3,L	RES 3,(HL)	RES 3,A
9x	2 8	2 8	2 8	2 8	2 8	2 8	2 16	2 8	2 8	2 8	2 8	2 8	2 8	2 8	2 16	2 8
	RES 4,B	RES 4,C	RES 4,D	RES 4,E	RES 4,H	RES 4,L	RES 4,(HL)	RES 4,A	RES 5,B	RES 5,C	RES 5,D	RES 5,E	RES 5,H	RES 5,L	RES 5,(HL)	RES 5,A
AX	2 8	2 8	2 8	2 8	2 8	2 8	2 16	2 8	2 8	2 8	2 8	2 8	2 8	2 8	2 16	2 8
D	RES 6,B	RES 6,C	RES 6,D	RES 6,E	RES 6,H	RES 6,L	RES 6,(HL)	RES 6,A	RES 7,B	RES 7,C	RES 7,D	RES 7,E	RES 7,H	RES 7,L	RES 7,(HL)	RES 7,A
Bx	2 8	2 8	2 8	2 8	2 8	2 8	2 16	2 8	2 8	2 8	2 8	2 8	2 8	2 8	2 16	2 8
						CET O I										
	SET 0,B	SET 0,C	SET 0,D	SET 0,E	SET 0,H	SET 0,L	SET 0,(HL)	SET 0,A	SET 1,B	SET 1,C	SET 1,D	SET 1,E	SET 1,H	SET 1,L	SET 1,(HL)	SET 1,A
Cx	2 8	2 8	2 8	2 8	2 8	2 8	2 16	2 8	2 8	2 8	2 8	2 8	2 8	2 8	2 16	2 8
	CET 2 C				CET 2 "	CET 2 :	CET 2 (111)			CET 2.6		CET 2.5		CET 2 :		CET 2 4
D.,	SET 2,B	SET 2,C	SET 2,D	SET 2,E	SET 2,H	SET 2,L	SET 2,(HL)	SET 2,A	SET 3,B	SET 3,C	SET 3,D	SET 3,E	SET 3,H	SET 3,L	SET 3,(HL)	SET 3,A
Dx	2 8	2 8	2 8	2 8	2 8	2 8	2 16	2 8	2 8	2 8	2 8	2 8	2 8	2 8	2 16	2 8
	CFT 4.0				CET 4 ''	CET 4	CET 4 (111)			CET 5 C			CET 5 ''	CET 5 :		CET 5 A
F.,	SET 4,B	SET 4,C	SET 4,D	SET 4,E	SET 4,H	SET 4,L	SET 4,(HL)	SET 4,A	SET 5,B	SET 5,C	SET 5,D	SET 5,E	SET 5,H	SET 5,L	SET 5,(HL)	SET 5,A
Ex	2 8	2 8	2 8	2 8	2 8	2 8	2 16	2 8	2 8	2 8	2 8	2 8	2 8	2 8	2 16	2 8
	SET 6,B	SET 6,C	SET 6,D	SET 6,E	SET 6,H	SET 6,L	SET 6,(HL)	SET 6,A	SET 7,B	SET 7,C	SET 7,D	SET 7,E	SET 7,H	SET 7,L	SET 7,(HL)	SET 7,A
FX	2 8	2 8	2 8	2 8	2 8	2 8	2 16	2 8	2 8	2 8	2 8	2 8	2 8	2 8	2 16	2 8