	0	1	2	3	4	5	6	7
0	BRK #imm	ORA (zp,X)	COP #imm	ORA sp,S	TSB zp	ORA zp	ASL zp	ORA bp,B
1	BPL rel	ORA (zp),Y	ORA (zp)	ORA (sp,S),Y	TRB zp	ORA zp,X	ASL zp,X	ASL sp,S
2	JSR abs	AND (zp,X)	JMP (zp)	AND sp,S	BIT zp	AND zp	ROL zp	AND bp,B
3	BMI rel	AND (zp),Y	AND (zp)	AND (sp,S),Y	BIT zp,X	AND zp,X	ROL zp,X	ROL sp,S
4	RTI	EOR (zp,X)	ADD ip,I++	EOR sp,S	PHR rel16	EOR zp	LSR zp	EOR bp,B
5	BVC rel	EOR (zp),Y	EOR (zp)	EOR (sp,S),Y	PSH #imm16	EOR zp,X	LSR zp,X	LSR sp,S
6	RTS	ADC (zp,X)	ADJ #imm	ADC sp,S	STZ zp	ADC zp	ROR zp	ADC bp,B
7	BVS rel	ADC (zp),Y	ADC (zp)	ADC (sp,S),Y	STZ zp,X	ADC zp,X	ROR zp,X	ROR sp,S
8	BRA rel	STA (zp,X)	MOV #imm	STA sp,S	STY zp	STA zp	STX zp	STA bp,B
9	BCC rel	STA (zp),Y	STA (zp)	STA (sp,S),Y	STY zp,X	STA zp,X	STX zp,Y	TSB sp,S
A	LDY #imm	LDA (zp,X)	LDX #imm	LDA sp,S	LDY zp	LDA zp	LDX zp	LDA bp,B
B	BCS rel	LDA (zp),Y	LDA (zp)	LDA (sp,S),Y	LDY zp,X	LDA zp,X	LDX zp,Y	TRB sp,S
C	CPY #imm	CMP (zp,X)	PSH zp	CMP sp,S	CPY zp	CMP zp	DEC zp	CMP bp,B
D	BNE rel	CMP (zp),Y	CMP (zp)	CMP (sp,S),Y	STA ip,I++	CMP zp,X	DEC zp,X	DEC sp,S
E	CPX #imm	SBC (zp,X)	PUL zp	SBC sp,S	CPX zp	SBC zp	INC zp	SBC bp,B
F	BEQ rel	SBC (zp),Y	SBC (zp)	SBC (sp,S),Y	LDA ip,I++	SBC zp,X	INC zp,X	INC sp,S

	8	9	A	B	C	D	E	F
0	PHP	ORA #imm	ASL A	DUP	TSB abs	ORA abs	ASL abs	ORA ip,I++
1	CLC	ORA abs,Y	INC A	SWP	TRB abs	ORA abs,X	ASL abs,X	ASL ip,I++
2	PLP	AND #imm	ROL A	ROT	BIT abs	AND abs	ROL abs	AND ip,I++
3	SEC	AND abs,Y	DEC A	NXT	BIT abs,X	AND abs,X	ROL abs,X	ROL ip,I++
4	PHA	EOR #imm	LSR A	PHI	JMP abs	EOR abs	LSR abs	EOR ip,I++
5	CLI	EOR abs,Y	PHY	INI	XMA sp16,S	EOR abs,X	LSR abs,X	LSR ip,I++
6	PLA	ADC #imm	ROR A	PLI	JMP (abs)	ADC abs	ROR abs	
7	SEI	ADC abs,Y	PLY	ENT	JMP (abs,X)	ADC abs,X	ROR abs,X	ROR ip,I++
8	DEY	BIT #imm	TXA	OSX	STY abs	STA abs	STX abs	
9	TYA	STA abs,Y	TXS	IND	STZ abs	STA abs,X	STZ abs,X	TSB ip,I++
A	TAY	LDA #imm	TAX	SIZ	LDY abs	LDA abs	LDX abs	
B	CLV	LDA abs,Y	TSX	ISZ	LDY abs,X	LDA abs,X	LDX abs,Y	TRB ip,I++
C	INY	CMP #imm	DEX	WAI	CPY abs	CMP abs	DEC abs	CMP ip,I++
D	CLD	CMP abs,Y	PHX	STP	PSH abs	CMP abs,X	DEC abs,X	DEC ip,I++
E	INX	SBC #imm	NOP	OAX	CPX abs	SBC abs	INC abs	SUB ip,I++
F	SED	SBC abs,Y	PLX	OAY	PUL abs	SBC abs,X	INC abs,X	INC ip,I++