	0	1	2	3	4	5	6	7
0	BRK #imm	BPL rel	JSR abs	BMI rel	RTI	BVC rel	RTS	BVS rel
1	ORA (dp,X)	ORA (dp),Y	AND (dp,X)	AND (dp),Y	EOR (dp,X)	EOR (dp),Y	ADC (dp,X)	ADC (dp),Y
2	COP dp	ORA (dp)	JSR (sp,S),Y	AND (dp)	COP #imm	EOR (dp)	PHR rel16	ADC (dp)
3	ORA sp,S	ORA (sp,S),Y	AND sp,S	AND (sp,S),Y	EOR sp,S	EOR (sp,S),Y	ADC sp,S	ADC (sp,S),Y
4	TSB dp	TRB dp	BIT dp	BIT dp,X			STZ dp	STZ dp,X
5	ORA dp	ORA dp,X	AND dp	AND dp,X	EOR dp	EOR dp,X	ADC dp	ADC dp,X
6	ASL dp	ASL dp,X	ROL dp	ROL dp,X	LSR dp	LSR dp,X	ROR dp	ROR dp,X
7	RMB0 dp	RMB1 dp	RMB2 dp	RMB3 dp	RMB4 dp	RMB5 dp	RMB6 dp	RMB7 dp
8	PHP	CLC	PLP	SEC	PHA	CLI	PLA	SEI
9	ORA #imm	ORA abs,Y	AND #imm	AND abs,Y	EOR #imm	EOR abs,Y	ADC #imm	ADC abs,Y
A	ASL A	INC A	ROL A	DEC A	LSR A	PHY	ROR A	PLY
B								
C	TSB abs	TRB abs	BIT abs	BIT abs,X	JMP abs	BRA rel16	JMP (abs)	JMP (abs,X)
D	ORA abs	ORA abs,X	AND abs	AND abs,X	EOR abs	EOR abs,X	ADC abs	ADC abs,X
E	ASL abs	ASL abs,X	ROL abs	ROL abs,X	LSR abs	LSR abs,X	ROR abs	ROR abs,X
F	BBR0 dp,rel	BBR1 dp,rel	BBR2 dp,rel	BBR3 dp,rel	BBR4 dp,rel	BBR5 dp,rel	BBR6 dp,rel	BBR7 dp,rel

	8	9	A	B	C	D	E	F
0	BRA rel	BCC rel	LDY #imm	BCS rel	CPY #imm	BNE rel	CPX #imm	BEQ rel
1	STA (dp,X)	STA (dp),Y	LDA (dp,X)	LDA (dp),Y	CMP (dp,X)	CMP (dp),Y	SBC (dp,X)	SBC (dp),Y
2	JMP (sp,S),Y	STA (dp)	LDX #imm	LDA (dp)	PLW dp	CMP (dp)	PLW abs	SBC (dp)
3	STA sp,S	STA (sp,S),Y	LDA sp,S	LDA (sp,S),Y	CMP sp,S	CMP (sp,S),Y	SBC sp,S	SBC (sp,S),Y
4	STY dp	STY dp,X	LDY dp	LDY dp,X	CPY dp	PHW dp	CPX dp	PHW #imm16
5	STA dp	STA dp,X	LDA dp	LDA dp,X	CMP dp	CMP dp,X	SBC dp	SBC dp,X
6	STX dp	STX dp,Y	LDX dp	LDX dp,Y	DEC dp	DEC dp,X	INC dp	INC dp,X
7	SMB0 dp	SMB1 dp	SMB2 dp	SMB3 dp	SMB4 dp	SMB5 dp	SMB6 dp	SMB7 dp
8	DEY	TYA	TAY	CLV	INY	CLD	INX	SED
9	BIT #imm	STA abs,Y	LDA #imm	LDA abs,Y	CMP #imm	CMP abs,Y	SBC #imm	SBC abs,Y
A	TXA	TXS	TAX	TSX	DEX	PHX	NOP	PLX
B	OAY	OAX	SIZ	IND	WAI	STP		
C	STY abs	STZ abs	LDY abs	LDY abs,X	CPY abs	BSR rel16	CPX abs	PHW abs
D	STA abs	STA abs,X	LDA abs	LDA abs,X	CMP abs	CMP abs,X	SBC abs	SBC abs,X
E	STX abs	STZ abs,X	LDX abs	LDX abs,Y	DEC abs	DEC abs,X	INC abs	INC abs,X
F	BBS0 dp,rel	BBS1 dp,rel	BBS2 dp,rel	BBS3 do,rel	BBS4 dp,rel	BBS5 dp,rel	BBS6 dp,rel	BBS7 dp,rel