

HEX	OpCode	Type	Example
00	BRK		
01	ORA	(Indirect, X)	ORA (\$44,X)
02	NOP		
03	NOP		
04	NOP		
05	ORA	Zero Page	ORA \$44
06	ASL	Zero Page	ASL \$44
07	NOP		
08	PHP		
09	ORA	Immediate	ORA #\$44
0A	ASL	Accumulator	ASL A
0B	NOP		
0C	NOP		
0D	ORA	Absolute	ORA \$4400
0E	ASL	Absolute	ASL \$4400
0F	NOP		
10	BPL		
11	ORA	(Indirect), Y	ORA (\$44),Y
12	NOP		
13	NOP		
14	NOP		
15	ORA	Zero Page, X	ORA \$44,X
16	ASL	Zero Page, X	ASL \$44,X
17	NOP		
18	CLC		
19	ORA	Absolute, Y	ORA \$4400,Y
1A	NOP		
1B	NOP		
1C	NOP		
1D	ORA	Absolute, X	ORA \$4400,X
1E	ASL	Absolute, X	ASL \$4400,X
1F	NOP		
20	JSR		
21	AND	(Indirect, X)	AND (\$44,X)
22	NOP		
23	NOP		
24	BIT	Zero Page	BIT \$44
25	AND	Zero Page	AND \$44
26	ROL	Zero Page	ROL \$44
27	NOP		
28	PLP		
29	AND	Immediate	AND #\$44
2A	ROL	Accumulator	ROL A
2B	NOP		
2C	BIT	Absolute	BIT \$4400
2D	AND	Absolute	AND \$4400
2E	ROL	Absolute	ROL \$4400
2F	NOP		
30	BMI		
31	AND	(Indirect), Y	AND (\$44),Y
32	NOP		
33	NOP		
34	NOP		
35	AND	Zero Page, X	AND \$44,X
36	ROL	Zero Page, X	ROL \$44,X
37	NOP		
38	SEC		
39	AND	Absolute, Y	AND \$4400,Y
3A	NOP		
3B	NOP		
3C	NOP		
3D	AND	Absolute, X	AND \$4400,X
3E	ROL	Absolute, X	ROL \$4400,X
3F	NOP		

HEX	OpCode	Type	Example
40	RTI		
41	EOR	(Indirect, X)	EOR (\$44,X)
42	NOP		
43	NOP		
44	NOP		
45	EOR	Zero Page	EOR \$44
46	LSR	Zero Page	LSR \$44
47	NOP		
48	PHA		
49	EOR	Immediate	EOR #\$44
4A	LSR	Accumulator	LSR A
4B	NOP		
4C	JMP	Absolute	JMP \$5597
4D	EOR	Absolute	EOR \$4400
4E	LSR	Absolute	LSR \$4400
4F	NOP		
50	BVC		
51	EOR	(Indirect), Y	EOR (\$44),Y
52	NOP		
53	NOP		
54	NOP		
55	EOR	Zero Page, X	EOR \$44,X
56	LSR	Zero Page, X	LSR \$44,X
57	NOP		
58	CLI		
59	EOR	Absolute, Y	EOR \$4400,Y
5A	NOP		
5B	NOP		
5C	NOP		
5D	EOR	Absolute, X	EOR \$4400,X
5E	LSR	Absolute, X	LSR \$4400,X
5F	NOP		
60	RTS		
61	ADC	(Indirect, X)	ADC (\$44,X)
62	NOP		
63	NOP		
64	NOP		
65	ADC	Zero Page	ADC \$44
66	ROR	Zero Page	ROR \$44
67	NOP		
68	PLA		
69	ADC	Immediate	ADC #\$44
6A	ROR	Accumulator	ROR A
6B	NOP		
6C	JMP	Indirect	JMP (\$4400)
6D	ADC	Absolute	ADC \$4400
6E	ROR	Absolute	ROR \$4400
6F	NOP		
70	BVS		
71	ADC	(Indirect), Y	ADC (\$44),Y
72	NOP		
73	NOP		
74	NOP		
75	ADC	Zero Page, X	ADC \$44,X
76	ROR	Zero Page, X	ROR \$44,X
77	NOP		
78	SEI		
79	ADC	Absolute, Y	ADC \$4400,Y
7A	NOP		
7B	NOP		
7C	NOP		
7D	ADC	Absolute, X	ADC \$4400,X
7E	ROR	Absolute, X	ROR \$4400,X
7F	NOP		

HEX	OpCode	Type	Example
80	NOP		
81	STA	(Indirect, X)	STA (\$44,X)
82	NOP		
83	NOP		
84	STY	Zero Page	STY \$44
85	STA	Zero Page	STA \$44
86	STX	Zero Page	STX \$44
87	NOP		
88	DEY		
89	NOP		
8A	TXA		
8B	NOP		
8C	STY	Absolute	STY \$4400
8D	STA	Absolute	STA \$4400
8E	STX	Absolute	STX \$4400
8F	NOP		
90	BCC		
91	STA	(Indirect), Y	STA (\$44),Y
92	NOP		
93	NOP		
94	STY	Zero Page, X	STY \$44,X
95	STA	Zero Page, X	STA \$44,X
96	STX	Zero Page, Y	STX \$44,Y
97	NOP		
98	TYA		
99	STA	Absolute, Y	STA \$4400,Y
9A	TXS		
9B	NOP		
9C	NOP		
9D	STA	Absolute, X	STA \$4400,X
9E	NOP		
9F	NOP		
A0	LDY	Immediate	LDY #\$44
A1	LDA	(Indirect, X)	LDA (\$44,X)
A2	LDX	Immediate	LDX #\$44
A3	NOP		
A4	LDY	Zero Page	LDY \$44
A5	LDA	Zero Page	LDA \$44
A6	LDX	Zero Page	LDX \$44
A7	NOP		
A8	TAY		
A9	LDA	Immediate	LDA #\$44
AA	TAX		
AB	NOP		
AC	LDY	Absolute	LDY \$4400
AD	LDA	Absolute	LDA \$4400
AE	LDX	Absolute	LDX \$4400
AF	NOP		
B0	BCS		
B1	LDA	(Indirect), Y	LDA (\$44),Y
B2	NOP		
B3	NOP		
B4	LDY	Zero Page, X	LDY \$44,X
B5	LDA	Zero Page, X	LDA \$44,X
B6	LDX	Zero Page, Y	LDX \$44,Y
B7	NOP		
B8	CLV		
B9	LDA	Absolute, Y	LDA \$4400,Y
BA	TSX		
BB	NOP		
BC	LDY	Absolute, X	LDY \$4400,X
BD	LDA	Absolute, X	LDA \$4400,X
BE	LDX	Absolute, Y	LDX \$4400,Y
BF	NOP		

HEX	OpCode	Type	Example
C0	CPY	Immediate	CPY #\$44
C1	CMP	(Indirect, X)	CMP (\$44,X)
C2	NOP		
C3	NOP		
C4	CPY	Zero Page	CPY \$44
C5	CMP	Zero Page	CMP \$44
C6	DEC	Zero Page	DEC \$44
C7	NOP		
C8	INY		
C9	CMP	Immediate	CMP #\$44
CA	DEX		
CB	NOP		
CC	CPY	Absolute	CPY \$4400
CD	CMP	Absolute	CMP \$4400
CE	DEC	Absolute	DEC \$4400
CF	NOP		
D0	BNE		
D1	CMP	(Indirect), Y	CMP (\$44),Y
D2	NOP		
D3	NOP		
D4	NOP		
D5	CMP	Zero Page, X	CMP \$44,X
D6	DEC	Zero Page, X	DEC \$44,X
D7	NOP		
D8	CLD		
D9	CMP	Absolute, Y	CMP \$4400,Y
DA	NOP		
DB	NOP		
DC	NOP		
DD	CMP	Absolute, X	CMP \$4400,X
DE	DEC	Absolute, X	DEC \$4400,X
DF	NOP		
E0	CPX	Immediate	CPX #\$44
E1	SBC	(Indirect, X)	SBC (\$44,X)
E2	NOP		
E3	NOP		
E4	CPX	Zero Page	CPX \$44
E5	SBC	Zero Page	SBC \$44
E6	INC	Zero Page	INC \$44
E7	NOP		
E8	INX		
E9	SBC	Immediate	SBC #\$44
EA	NOP		
EB	NOP		
EC	CPX	Absolute	CPX \$4400
ED	SBC	Absolute	SBC \$4400
EE	INC	Absolute	INC \$4400
EF	NOP		
F0	BEQ		
F1	SBC	(Indirect), Y	SBC (\$44),Y
F2	NOP		
F3	NOP		
F4	NOP		
F5	SBC	Zero Page, X	SBC \$44,X
F6	INC	Zero Page, X	INC \$44,X
F7	NOP		
F8	SED		
F9	SBC	Absolute, Y	SBC \$4400,Y
FA	NOP		
FB	NOP		
FC	NOP		
FD	SBC	Absolute, X	SBC \$4400,X
FE	INC	Absolute, X	INC \$4400,X
FF	NOP		