

Opcode	NV-BDIZC	-	A	#\$FF	\$FF	\$FF,X	\$FF,Y	\$FFF	\$FFF,X	\$FFF,Y	(\$FFF)	(\$FF,X)	(\$FF),Y	Operation [abs/ind X/Y cycles +1c if page crossed]
ADC	**-----*			\$69 2	\$65 3	\$75 4		\$6D 4	\$7D 4/5	\$79 4/5		\$61 6	\$71 5/6	A+C=A+M+C
AND	*-----*			\$29 2	\$25 3	\$35 4		\$2D 4	\$3D 4/5	\$39 4/5		\$21 6	\$31 5/6	A=A&M
ASL	*-----*		\$0A 2		\$06 5	\$16 6		\$0E 6	\$1E 7					A/M=C<<A/M<<0
BCC	-----							\$90 2-4						Branch on C=0; +1c if taken; +2c if taken+page crossed
BCS	-----							\$B0 2-4						Branch on C=1; +1c if taken; +2c if taken+page crossed
BEQ	-----							\$F0 2-4						Branch on Z=1; +1c if taken; +2c if taken+page crossed
BIT	76-----*			\$24 3				\$2C 4						Z=A&M,N=M7,V=M6
BMI	-----							\$30 2-4						Branch on N=1; +1c if taken; +2c if taken+page crossed
BNE	-----							\$D0 2-4						Branch on Z=0; +1c if taken; +2c if taken+page crossed
BPL	-----							\$10 2-4						Branch on N=0; +1c if taken; +2c if taken+page crossed
BRK	---101--	\$00 7												[ST]=PC+2,[ST]=P
BVC	-----							\$50 2-4						Branch on V=0; +1c if taken; +2c if taken+page crossed
BVS	-----							\$70 2-4						Branch on V=1; +1c if taken; +2c if taken+page crossed
CLC	-----0	\$18 2												C=0
CLD	----0---	\$D8 2												D=0
CLI	-----0--	\$58 2												I=0; enable INTs
CLV	-0-----	\$B8 2												V=0
CMP	*-----*			\$C9 2	\$C5 3	\$D5 4		\$CD 4	\$DD 4/5	\$D9 4/5		\$C1 6	\$D1 5/6	P=A-M
CPX	*-----*			\$E0 2	\$E4 3			\$EC 4						P=X-M
CPY	*-----*			\$C0 2	\$C4 3			\$CC 4						P=Y-M
DEC	*-----*				\$C6 5	\$D6 6		\$CE 6	\$DE 7					M=M-1
DEX	*-----*	\$CA 2												X=X-1
DEY	*-----*	\$88 2												Y=Y-1
EOR	*-----*			\$49 2	\$45 3	\$55 4		\$4D 4	\$5D 4/5	\$59 4/5		\$41 6	\$51 5/6	A=A^M
INC	*-----*				\$E6 5	\$F6 6		\$EE 6	\$FE 7					M=M+1
INX	*-----*	\$E8 2												X=X+1
INY	*-----*	\$C8 2												Y=Y+1
JMP	-----							\$4C 3			\$6C 5			PC=ADDR
JSR	-----							\$20 6						[ST]=PC+2,PC=ADDR
LDA	*-----*			\$A9 2	\$A5 3	\$B5 4		\$AD 4	\$BD 4/5	\$B9 4/5		\$A1 6	\$B1 5/6	A=M
LDX	*-----*			\$A2 2	\$A6 3		\$B6 4	\$AE 4		\$BE 4/5				X=M
LDY	*-----*			\$A0 2	\$A4 3	\$B4 4		\$AC 4	\$BC 4/5					Y=M
LSR	0-----*		\$4A 2		\$46 5	\$56 6		\$4E 6	\$5E 7					A/M=0>>A/M>>C
NOP	-----	\$EA 2												No Operation
ORA	*-----*			\$09 2	\$05 3	\$15 4		\$0D 4	\$1D 4/5	\$19 4/5		\$01 6	\$11 5/6	A=A M
PHA	-----	\$48 3												[ST]=A
PHP	-----	\$08 3												[ST]=P
PLA	*-----*	\$68 4												A=[ST]
PLP	*****	\$28 4												P=[ST]
ROL	*-----*		\$2A 2		\$26 5	\$36 6		\$2E 6	\$3E 7					A/M=A/M ROL C
ROR	*-----*		\$6A 2		\$66 5	\$76 6		\$6E 6	\$7E 7					A/M=A/M ROR C
RTI	*****	\$40 6												P=[ST],PC=[ST]
RTS	-----	\$60 6												PC=[ST]
SBC	**-----*			\$E9 2	\$E5 3	\$F5 4		\$ED 4	\$FD 4/5	\$F9 4/5		\$E1 6	\$F1 5/6	A=A-M--C
SEC	-----1	\$38 2												C=1
SED	----1---	\$F8 2												D=1
SEI	-----1--	\$78 2												I=1; disable INTs
STA	-----				\$85 3	\$95 4		\$8D 4	\$9D 5	\$99 5		\$81 6	\$91 6	M=A
STX	-----				\$86 3		\$96 4	\$8E 4						M=X
STY	-----				\$84 3	\$94 4		\$8C 4						M=Y
TAX	*-----*	\$AA 2												X=A
TAY	*-----*	\$A8 2												Y=A
TSX	*-----*	\$BA 2												X=S
TXA	*-----*	\$8A 2												A=X
TXS	-----	\$9A 2												S=X
TYA	*-----*	\$98 2												A=Y