

## C74 - 6502 Microcode

					A	B	C	D	E	F
opc	Inst.	addr	cycles	Logic						
00	BRK	"Sig"	7	*SP := PCH; SP -= 1	F9	57	0	0	10	0
				*SP := PCL; SP -= 1	F8	57	0	0	10	0
				*SP := P; SP -= 1; PBR.CLR	F7	57	0	0	10	10
				PCL := *fCP; DPL += 1	80	74	0	0	0	0
				PCH := *fDP; SETF(SEI/CLD)	90	62	2	0	0	0
				IR := *PC; PC += 1; END.INT	0	8	0	6	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
01	ORA	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
02	KIL	imp	2	STP; IR := *PC; PC += 1; END	BD	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
03	SLO	X,ind	8	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt; ML	C0	22	0	0	10	0
				DPL := 0 ASL B; SETF(NZC)	B	32	CD	80	0	0
				*DPt := DPL	FA	22	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
04	LDD	zpg	3	B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
05	ORA	zpg	3	B := *zDP	B0	42	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
06	ASL	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
07	SLO	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*zDP := T	F5	42	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0

08	PHP	imp	3	*SP := P; SP -= 1	F7	57	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
09	ORA	#	2	A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
0A	ASL	A	2	A := A ASL 0; SETF(NZC); IR := *PC; PC += 1; END	A0	8	AD	44	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
0B	ANC	#	2	A := A AND B; SETF(NZC); IR := *PC; PC += 1; END.ARNC	A0	8	8D	7	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
0C	LDD	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
0D	ORA	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
0E	ASL	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
0F	SLO	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*DP := T	F5	12	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
10	BPL	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
11	ORA	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
12	KIL	imp	3	STP; IR := *PC; PC += 1; END	BD	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
13	SLO	ind,Y	8	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP	4	C2	C8	40	10	0

				DPH := DPH + 0; USE(IC); B := *DPt	11	22	8	58	0	0
				B := *DPt; ML	C0	22	0	0	10	0
				DPL := 0 ASL B; SETF(NZC)	B	32	CD	80	0	0
				*DPt := DPL	FA	22	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
14	LDD	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
15	ORA	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
16	ASL	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
17	SLO	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*zDP := T	F5	42	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
18	CLC	imp	2	SETF(OPCODE 0); IR := *PC; PC += 1; END	B0	8	9	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
19	ORA	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
1A	NOP	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
1B	SLO	abs,Y	7	DPL := B + Y; DPH.db := *PC; PC += 1	4	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DPt	11	22	8	58	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*DP := T	F5	12	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
1C	LDD	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0

				DPL := B := *PC; PC += 1	0	0	0	0	0	0
1D	ORA	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
1E	ASL	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DPt	11	22	8	58	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
1F	SLO	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*DP := T	F5	12	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
20	JSR	abs	6	B := *SP	B0	52	0	0	10	0
				*SP := PCH; SP -- 1	F9	57	0	0	10	0
				*SP := PCL; SP -- 1	F8	57	0	0	10	0
				DPH := *PC; PC += 1	10	0	0	0	0	0
				IR := *DP; PC += 1; END	B0	18	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
21	AND	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
22	KIL	imp	3	STP; IR := *PC; PC += 1; END	BD	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
23	RLA	X,ind	8	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt; ML	C0	22	0	0	10	0
				DPL := 0 ROL B; SETF(NZC)	B	32	CD	90	0	0
				*DPt := DPL	FA	22	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
24	BIT	zpg	3	B := *zDP	B0	42	0	0	10	0
				A AND B; SETF(NZV); BIT; IR := *PC; PC += 1; END	B0	8	8F	34	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0

25	AND	zpg	3	B := *zDP	B0	42	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
26	ROL	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
27	RLA	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*zDP := T	F5	42	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
28	PLP	imp	4	SP += 1; B := *SP	B0	56	0	0	0	0
				P := *SP	70	52	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
29	AND	#	2	A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
2A	ROL	A	2	A := A ROL 0; SETF(NZC); IR := *PC; PC += 1; END	A0	8	AD	54	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
2B	ANC	#	2	A := A AND B; SETF(NZC); IR := *PC; PC += 1; END.ARNC	A0	8	8D	7	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
2C	BIT	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A AND B; SETF(NZV); BIT; IR := *PC; PC += 1; END	B0	8	8F	34	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
2D	AND	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
2E	ROL	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
2F	RLA	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*DP := T	F5	12	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0

30	BMI	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
31	AND	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
32	KIL	imp	3	STP; IR := *PC; PC += 1; END	BD	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
33	RLA	ind,Y	8	B := *zDP; DPL += 1	B0	44	0	0	10	0
				T := B + Y; DPH.db := *zDP	54	C2	C8	40	10	0
				DPH := DPH + 0; USE(IC); B := *DPt	11	22	8	58	0	0
				B := *DPt; ML	C0	22	0	0	10	0
				DPL := 0 ROL B; SETF(NZC)	B	32	CD	90	0	0
				*DPt := DPL	FA	22	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
34	LDD	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
35	AND	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
36	ROL	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
37	RLA	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*zDP := T	F5	42	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
38	SEC	imp	2	SETF(OPCODE 1); IR := *PC; PC += 1; END	B0	8	F9	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
39	AND	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0

				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
3A	NOP	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
3B	RLA	abs,Y	7	DPL := B + Y; DPH.db := *PC; PC += 1	4	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*DP := T	F5	12	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
3C	LDD	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
3D	AND	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
3E	ROL	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
3F	RLA	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*DP := T	F5	12	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
40	RTI	imp	6	SP += 1; B := *SP	B0	56	0	0	0	0
				P := *SP; SP += 1	70	56	0	0	10	0
				PCL := *SP; SP += 1	80	56	0	0	10	0
				PCH := *SP	90	52	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
41	EOR	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0

42	KIL	imp	3	STP; IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	BD 0	8 0	0 0	4 0	0 0	0 0
43	SRE	X,ind	8	DPL := B + X; B := *zDP T := *zDP; DPL += 1 DPH := *zDP B := *DPt; ML DPL := 0 LSR B; SETF(NZC) *DPt := DPL A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	3 50 10 C0 B FA A0 0	42 44 42 22 32 22 8 0	C8 0 0 0 CD 0 6C 0	40 0 0 0 20 0 4 0	0 10 10 10 0 10 0 0	0 0 0 0 0 0 0 0
44	LDD	zpg	3	B := *zDP IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	B0 0 0	42 8 0	0 0 0	0 4 0	10 0 0	0 0 0
45	EOR	zpg	3	B := *zDP A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	B0 A0 0	42 8 0	0 6C 0	0 4 0	10 0 0	0 0 0
46	LSR	zpg	5	B := *zDP; ML T := 0 LSR B; SETF(NZC) *zDP := T IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	C0 5B F5 0 0	42 32 42 8 0	0 CD 0 0 0	0 20 0 4 0	10 0 10 0 0	0 0 0 0 0
47	SRE	zpg	5	B := *zDP; ML T := 0 LSR B; SETF(NZC) *zDP := T A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	C0 5B F5 A0 0	42 32 42 8 0	0 CD 0 6C 0	0 20 0 4 0	10 0 10 0 0	0 0 0 0 0
48	PHA	imp	3	*SP := A; SP -= 1 IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	F0 0 0	57 8 0	0 0 0	0 4 0	10 0 0	0 0 0
49	EOR	#	2	A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	A0 0	8 0	6C 0	4 0	0 0	0 0
4A	LSR	A	2	A := A LSR 0; SETF(NZC); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	A0 0	8 0	AD 0	24 0	0 0	0 0
4B	ALR	#	2	A := A ALR B; SETF(NZC); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	A0 0	8 0	8D 0	24 0	0 0	0 0
4C	JMP	abs	3	DPH := *PC; PC += 1 IR := *DP; PC += 1; END DPL := B := *PC; PC += 1	10 B0 0	0 18 0	0 0 0	0 4 0	0 0 0	0 0 0
4D	EOR	abs	4	DPH := *PC; PC += 1 B := *DP A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	10 B0 A0	0 12 8	0 0 6C	0 0 4	0 10 0	0 0 0



				DPL := B := *PC; PC += 1	0	0	0	0	0	0
4E	LSR	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
4F	SRE	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*DP := T	F5	12	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
50	BVC	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
51	EOR	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
52	KIL	imp	3	STP; IR := *PC; PC += 1; END	BD	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
53	SRE	ind,Y	8	B := *zDP; DPL += 1	B0	44	0	0	10	0
				T := B + Y; DPH.db := *zDP	54	C2	C8	40	10	0
				DPH := DPH + 0; USE(IC); B := *DPt	11	22	8	58	0	0
				B := *DPt; ML	C0	22	0	0	10	0
				DPL := 0 LSR B; SETF(NZC)	B	32	CD	20	0	0
				*DPt := DPL	FA	22	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
54	LDD	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
55	EOR	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
56	LSR	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*zDP := T	F5	42	0	0	10	0

				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
57	SRE	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*zDP := T	F5	42	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
58	CLI	imp	2	SETF(OPCODE 0); IR := *PC; PC += 1; END	B0	8	9	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
59	EOR	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
5A	NOP	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
5B	SRE	abs,Y	7	DPL := B + Y; DPH.db := *PC; PC += 1	4	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*DP := T	F5	12	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
5C	LDD	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
5D	EOR	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
5E	LSR	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
5F	SRE	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*DP := T	F5	12	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0

				DPL := B := *PC; PC += 1	0	0	0	0	0	0
60	RTS	imp	6	SP += 1; B := *SP	B0	56	0	0	0	0
				PCL := *SP; SP += 1	80	56	0	0	10	0
				PCH := *SP	90	52	0	0	10	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
61	ADC	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
62	KIL	imp	3	STP; IR := *PC; PC += 1; END	BD	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
63	RRA	X,ind	8	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt; ML	C0	22	0	0	10	0
				DPL := 0 ROR B; SETF(NZC)	B	32	CD	28	0	0
				*DPt := DPL	FA	22	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
64	LDD	zpg	3	B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
65	ADC	zpg	3	B := *zDP	B0	42	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
66	ROR	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
67	RRA	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*zDP := T	F5	42	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
68	PLA	imp	4	SP += 1; B := *SP	B0	56	0	0	0	0
				B := *SP	B0	52	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0

69	ADC	#	2	A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D DPL := B := *PC; PC += 1	A0	8	CE	55	0	0
6A	ROR	A	2	A := A ROR 0; SETF(NZC); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	A0	8	AD	2C	0	0
6B	ARR	#	2	A := A AND B ROR; SETF(NZCV); IR := *PC; PC += 1; END.A DPL := B := *PC; PC += 1	A0	8	8E	2F	0	0
6C	JMP	(abs)	5	DPH := *PC; PC += 1 PCL := *DP; DPL += 1 PCH := *DP IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	10	0	0	0	0	0
6D	ADC	abs	4	DPH := *PC; PC += 1 B := *DP A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D DPL := B := *PC; PC += 1	10	0	0	0	0	0
6E	ROR	abs	6	DPH := *PC; PC += 1 B := *DP; ML T := 0 ROR B; SETF(NZC) *DP := T IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	10	0	0	0	0	0
6F	RRA	abs	6	DPH := *PC; PC += 1 B := *DP; ML T := 0 ROR B; SETF(NZC) *DP := T A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D DPL := B := *PC; PC += 1	10	0	0	0	0	0
70	BVS	rel	2**	PCL := PCL + B; EXIT.CC PCH = PCH + signextend(*); USE(IC) IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	88	2	C8	41	0	0
71	ADC	ind,y	5	B := *zDP; DPL += 1 DPL := B + Y; DPH.db := *zDP; INCDPH.C B := *DP A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D DPL := B := *PC; PC += 1	B0	44	0	0	10	0
72	KIL	imp	3	STP; IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	BD	8	0	4	0	0
73	RRA	ind,Y	8	B := *zDP; DPL += 1 T := B + Y; DPH.db := *zDP DPH := DPH + 0; USE(IC); B := *DPt B := *DPt; ML DPL := 0 ROR B; SETF(NZC)	B0	44	0	0	10	0

				*DPt := DPL	FA	22	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
74	LDD	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
75	ADC	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
76	ROR	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
77	RRA	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*zDP := T	F5	42	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
78	SEI	imp	2	SETF(OPCODE 1); IR := *PC; PC += 1; END	B0	8	F9	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
79	ADC	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
7A	NOP	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
7B	RRA	abs,Y	7	DPL := B + Y; DPH.db := *PC; PC += 1	4	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*DP := T	F5	12	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
7C	LDD	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
7D	ADC	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0

				B := *DP	B0	12	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
7E	ROR	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
7F	RRA	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*DP := T	F5	12	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
80	LDD	imm	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
81	STA	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				*DPt := A	F0	22	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
82	LDD	imm	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
83	SAX	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				*DPt := A&X	FE	22	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
84	STY	zpg	3	*zDP := Y	F4	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
85	STA	zpg	3	*zDP := A	F0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
86	STX	zpg	3	*zDP := X	F3	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
87	SAX	zpg	3	*zDP := A&X	FE	42	0	0	10	0

				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
88	DEY	imp	2	Y := Y - 1; SETF(NZ); IR := *PC; PC += 1; END	44	8	FC	44	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
89	LDD	imm	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
8A	TXA	imp	2	A := X; SETF(NZ); IR := *PC; PC += 1; END	A3	8	C	44	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
8B	XAA	#	2	A := X AND B; SETF(NZ); IR := *PC; PC += 1; END	A3	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
8C	STY	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				*DP := Y	F4	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
8D	STA	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				*DP := A	F0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
8E	STX	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				*DP := X	F3	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
8F	SAX	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				*DP := A&X	FE	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
90	BCC	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
91	STA	ind,Y	6	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP	4	C2	C8	40	10	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				*DP := A	F0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
92	KIL	imp	3	STP; IR := *PC; PC += 1; END	BD	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
93	AHX	ind,Y	6	B := *zDP; DPL += 1	B0	44	0	0	10	0
				T := B + Y; DPH.db := *zDP	54	C2	C8	40	10	0
				DPH := DPH + 0; USE(IC); B := *DPt	11	22	8	58	0	0

				*DPt := A&X AND DPH+1	EE	22	80	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
94	STY	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				*zDP := Y	F4	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
95	STA	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				*zDP := A	F0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
96	STX	zpg,Y	4	DPL := B + Y; B := *zDP	4	42	C8	40	0	0
				*zDP := X	F3	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
97	SAX	zpg,Y	4	DPL := B + Y; B := *zDP	4	42	C8	40	0	0
				*zDP := A&X	FE	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
98	TYA	imp	2	A := Y; SETF(NZ); IR := *PC; PC += 1; END	A4	8	C	44	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
99	STA	abs,Y	5	DPL := B + Y; B := *PC; PC += 1	4	0	C8	40	0	0
				DPH := B + 0; USE(IC); B := *DP	10	12	C8	18	0	0
				*DP := A	F0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
9A	TXS	imp	2	SP := X; IR := *PC; PC += 1; END	23	8	8	44	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
9B	TAS	abs,Y	5	DPL := B + Y; DPH.db := *PC; PC += 1	4	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				*DP := A&X AND DPH+1	EE	12	80	0	10	0
				SP := A&X; IR := *PC; PC += 1; END	2E	8	8	44	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
9C	SHY	abs,X	5	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				*DP := Y AND DPH+1	E4	12	80	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
9D	STA	abs,X	5	DPL := B + X; B := *PC; PC += 1	3	0	C8	40	0	0
				DPH := B + 0; USE(IC); B := *DP	10	12	C8	18	0	0
				*DP := A	F0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0



9E	SHX	abs,Y	05	DPL := B + Y; DPH.db := *PC; PC += 1	4	80	C8	40	0	0
				DPH := DPH + 0; USE(IC)	10	32	C8	18	0	0
				*DP := X AND DPH+1	E3	12	80	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
9F	AHX	abs,Y	5	DPL := B + Y; DPH.db := *PC; PC += 1	4	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				*DP := A&X AND DPH+1	EE	12	80	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
A0	LDY	#	2	Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
A1	LDA	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
A2	LDX	#	2	X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
A3	LAX	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				X := *DPt	30	22	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
A4	LDY	zpg	3	B := *zDP	B0	42	0	0	10	0
				Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
A5	LDA	zpg	3	B := *zDP	B0	42	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
A6	LDX	zpg	3	B := *zDP	B0	42	0	0	10	0
				X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
A7	LAX	zpg	3	X := *zDP	30	42	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
A8	TAY	imp	2	Y := A; SETF(NZ); IR := *PC; PC += 1; END	40	8	C	44	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
A9	LDA	#	2	A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0

				DPL := B := *PC; PC += 1	0	0	0	0	0	0
AA	TAX	imp	2	X := A; SETF(NZ); IR := *PC; PC += 1; END	30	42	0	0	10	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
AB	LXA	#	3	X := B	30	2	C8	0	0	0
				A := X; SETF(NZ); IR := *PC; PC += 1; END	A3	8	C	44	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
AC	LDY	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
AD	LDA	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
AE	LDX	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
AF	LAX	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				X := *DP	30	12	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B0	BCS	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B1	LDA	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B2	KIL	imp	3	STP; IR := *PC; PC += 1; END	BD	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B3	LAX	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				X := *DP	30	12	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B4	LDY	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0

B5	LDA	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B6	LDX	zpg,Y	4	DPL := B + Y; B := *zDP	4	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B7	LAX	zpg,Y	4	DPL := B + Y; B := *zDP	4	42	C8	40	0	0
				X := *zDP	30	42	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B8	CLV	imp	2	SETF(OPCODE 0); IR := *PC; PC += 1; END	B0	8	9	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B9	LDA	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
BA	TSX	imp	2	X := SP; SETF(NZ); IR := *PC; PC += 1; END	32	8	C	44	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
BB	LAS	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				AXS := SP AND B; SETF(NZ); IR := *PC; PC += 1; END	62	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
BC	LDY	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
BD	LDA	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
BE	LDX	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
BF	LAX	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				X := *DP	30	12	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
C0	CPY	#	2	Y CMP B; SETF(NZC); IR := *PC; PC += 1; END	B4	8	3D	4C	0	0

				DPL := B := *PC; PC += 1	0	0	0	0	0	0
C1	CMP	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
C2	LDD	imm	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
C3	DCP	X,ind	8	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt; ML	C0	22	0	0	10	0
				DPL := B - 1; SETF(NZ)	B	32	FC	80	0	0
				*DPt := DPL	FA	22	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
C4	CPY	zpg	3	B := *zDP	B0	42	0	0	10	0
				Y CMP B; SETF(NZC); IR := *PC; PC += 1; END	B4	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
C5	CMP	zpg	3	B := *zDP	B0	42	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
C6	DEC	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := B - 1; SETF(NZ)	50	32	FC	80	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
C7	DCP	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := B - 1; SETF(NZ)	50	32	FC	80	0	0
				*zDP := T	F5	42	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
C8	INY	imp	2	Y := Y + 1; SETF(NZ); IR := *PC; PC += 1; END	44	8	C	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
C9	CMP	#	2	A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
CA	DEX	imp	2	X := X - 1; SETF(NZ); IR := *PC; PC += 1; END	33	8	FC	44	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
CB	AXS	imm	2	X := A&X SBC1 B; SETF(NZC); IR := *PC; PC += 1; END	3E	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0

CC	CPY	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				Y CMP B; SETF(NZC); IR := *PC; PC += 1; END	B4	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
CD	CMP	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
CE	DEC	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := B - 1; SETF(NZ)	50	32	FC	80	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
CF	DCP	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := B - 1; SETF(NZ)	50	32	FC	80	0	0
				*DP := T	F5	12	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
D0	BNE	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
D1	CMP	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
D2	KIL	imp	3	STP; IR := *PC; PC += 1; END	BD	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
D3	DCP	ind,Y	8	B := *zDP; DPL += 1	B0	44	0	0	10	0
				T := B + Y; DPH.db := *zDP	54	C2	C8	40	10	0
				DPH := DPH + 0; USE(IC); B := *DPt	11	22	8	58	0	0
				B := *DPt; ML	C0	22	0	0	10	0
				DPL := B - 1; SETF(NZ)	B	32	FC	80	0	0
				*DPt := DPL	FA	22	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
D4	LDD	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
D5	CMP	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0

				B := *zDP	B0	42	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
D6	DEC	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	10	0
				T := B - 1; SETF(NZ)	50	32	FC	80	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
D7	DCP	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	10	0
				T := B - 1; SETF(NZ)	50	32	FC	80	0	0
				*zDP := T	F5	42	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
D8	CLD	imp	2	SETF(OPCODE 0); IR := *PC; PC += 1; END	B0	8	9	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
D9	CMP	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
DA	NOP	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
DB	DCP	abs,Y	7	DPL := B + Y; DPH.db := *PC; PC += 1	4	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := B - 1; SETF(NZ)	50	32	FC	80	0	0
				*DP := T	F5	12	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
DC	LDD	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
DD	CMP	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
DE	DEC	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := B - 1; SETF(NZ)	50	32	FC	80	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0

				DPL := B := *PC; PC += 1	0	0	0	0	0	0
DF	DCP	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := B - 1; SETF(NZ)	50	32	FC	80	0	0
				*DP := T	F5	12	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E0	CPX	#	2	X CMP B; SETF(NZC); IR := *PC; PC += 1; END	B3	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E1	SBC	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E2	LDD	imm	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E3	ISC	X,ind	8	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt; ML	C0	22	0	0	10	0
				DPL := B + 1; SETF(NZ)	0	32	C	88	0	0
				*DPt := DPL	FA	22	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E4	CPX	zpg	3	B := *zDP	B0	42	0	0	10	0
				X CMP B; SETF(NZC); IR := *PC; PC += 1; END	B3	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E5	SBC	zpg	3	B := *zDP	B0	42	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E6	INC	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E7	ISC	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*zDP := T	F5	42	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E8	INX	imp	2	X := X + 1; SETF(NZ); IR := *PC; PC += 1; END	33	8	C	4C	0	0

				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E9	SBC	#	2	A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
EA	NOP	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
EB	SBC	#	2	A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
EC	CPX	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				X CMP B; SETF(NZC); IR := *PC; PC += 1; END	B3	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
ED	SBC	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
EE	INC	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
EF	ISC	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*DP := T	F5	12	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F0	BEQ	rel	2++	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F1	SBC	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F2	KIL	imp	3	STP; IR := *PC; PC += 1; END	BD	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F3	ISC	ind,Y	8	B := *zDP; DPL += 1	B0	44	0	0	10	0
				T := B + Y; DPH.db := *zDP	54	C2	C8	40	10	0
				DPH := DPH + 0; USE(IC); B := *DPt	11	22	8	58	0	0
				B := *DPt; ML	C0	22	0	0	10	0



				DPL := B + 1; SETF(NZ)	0	32	C	88	0	0
				*DPt := DPL	FA	22	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F4	LDD	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F5	SBC	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F6	INC	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	10	0
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F7	ISC	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	10	0
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*zDP := T	F5	42	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F8	SED	imp	2	SETF(OPCODE 1); IR := *PC; PC += 1; END	B0	8	F9	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F9	SBC	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
FA	NOP	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
FB	ISC	abs,Y	7	DPL := B + Y; DPH.db := *PC; PC += 1	4	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*DP := T	F5	12	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
FC	LDD	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0

FD	SBC	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
FE	INC	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
FF	ISC	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*DP := T	F5	12	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
00	BRK	"Sig"	7	*SP := PCH; SP -= 1	F9	57	0	0	10	0
				*SP := PCL; SP -= 1	F8	57	0	0	10	0
				*SP := P; SP -= 1; PBR.CLR	F7	57	0	0	10	10
				PCL := *fCP; DPL += 1	80	74	0	0	0	0
				PCH := *fDP; SETF(SEI/CLD)	90	62	2	0	0	0
				IR := *PC; PC += 1; END.INT	0	8	0	6	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
01	ORA	X,ind	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
02	LDD	#	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
03	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
04	TSB	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				B := *zDP; T := A OR B	50	42	E8	0	10	0
				*zDP := T	F5	42	0	0	10	0
				A AND B; SETF(Z); IR := *PC; PC += 1; END	B0	8	8B	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
05	ORA	zpg	3	B := *zDP	B0	42	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
06	ASL	zpg	5	B := *zDP; ML	C0	42	0	0	10	0

				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
07	RMB0	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := BCG AND B;	5F	2	88	0	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
08	PHP	imp	3	*SP := P; SP -= 1	F7	57	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
09	ORA	#	2	A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
0A	ASL	A	2	A := A ASL 0; SETF(NZC); IR := *PC; PC += 1; END	A0	8	AD	44	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
0B	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
0C	TSB	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				B := *DP; T := A OR B	50	12	E8	0	10	0
				*DP := T	F5	12	0	0	10	0
				A AND B; SETF(Z); IR := *PC; PC += 1; END	B0	8	8B	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
0D	ORA	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
0E	ASL	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
0F	BBR0	zp,rel	5*	B := *zDP;	B0	42	0	0	10	0
				T := !B; B := *PC; PC += 1; EXIT.BTF	50	0	38	3	0	0
				PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	90	32	C8	18	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
10	BPL	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0

				DPL := B := *PC; PC += 1	0	0	0	0	0	0
11	ORA	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
12	ORA	(zpg)	5	T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
13	NOP1			IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
14	TRB	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				B := *zDP; T := !A AND B	50	42	48	0	10	0
				*zDP := T	F5	42	0	0	10	0
				A AND B; SETF(Z); IR := *PC; PC += 1; END	B0	8	8B	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
15	ORA	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
16	ASL	zpg,X	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
17	RMB1	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := BCG AND B;	5F	2	88	0	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
18	CLC	imp	2	SETF(OPCODE 0); IR := *PC; PC += 1; END	B0	8	9	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
19	ORA	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
1A	INC	A	2	A := A + 1; SETF(NZ); IR := *PC; PC += 1; END	A0	8	C	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
1B	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0

				DPL := B := *PC; PC += 1	0	0	0	0	0	0
1C	TRB	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				B := *DP; T := !A AND B	50	12	48	0	10	0
				*DP := T	F5	12	0	0	10	0
				A AND B; SETF(Z); IR := *PC; PC += 1; END	B0	8	8B	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
1D	ORA	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
1E	ASL	abs,X	6*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
1F	BBR1	zp,rel	5*	B := *zDP;	B0	42	0	0	10	0
				T := !B; B := *PC; PC += 1; EXIT.BTF	50	0	38	3	0	0
				PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	90	32	C8	18	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
20	JSR	abs	6	B := *SP	B0	52	0	0	10	0
				*SP := PCH; SP -= 1	F9	57	0	0	10	0
				*SP := PCL; SP -= 1	F8	57	0	0	10	0
				DPH := *PC; PC += 1	10	0	0	0	0	0
				IR := *DP; PC += 1; END	B0	18	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
21	AND	X,ind	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
22	LDD	#	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
23	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
24	BIT	zpg	3	B := *zDP	B0	42	0	0	10	0
				A AND B; SETF(NZV); BIT; IR := *PC; PC += 1; END	B0	8	8F	34	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
25	AND	zpg	3	B := *zDP	B0	42	0	0	10	0

				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
26	ROL	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
27	RMB2	zpg	5	B := *zDP;	B0	42	0	0	10	0
				T := BCG AND B;	5F	2	88	0	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
28	PLP	imp	4	SP += 1; B := *SP	B0	56	0	0	0	0
				P := *SP	70	52	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
29	AND	#	2	A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
2A	ROL	A	2	A := A ROL 0; SETF(NZC); IR := *PC; PC += 1; END	A0	8	AD	54	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
2B	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
2C	BIT	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A AND B; SETF(NZV); BIT; IR := *PC; PC += 1; END	B0	8	8F	34	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
2D	AND	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
2E	ROL	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
2F	BBR2	zp,rel	5*	B := *zDP;	B0	42	0	0	10	0
				T := !B; B := *PC; PC += 1; EXIT.BTF	50	0	38	3	0	0
				PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	90	32	C8	18	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0

30	BMI	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
31	AND	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
32	AND	(zpg)	5	T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
33	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
34	BIT	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A AND B; SETF(NZV); BIT; IR := *PC; PC += 1; END	B0	8	8F	34	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
35	AND	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
36	ROL	zpg,X	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
37	RMB3	zpg	5	B := *zDP;	B0	42	0	0	10	0
				T := BCG AND B;	5F	2	88	0	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
38	SEC	imp	2	SETF(OPCODE 1); IR := *PC; PC += 1; END	B0	8	F9	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
39	AND	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
3A	DEC	A	2	A := A - 1; SETF(NZ); IR := *PC; PC += 1; END	A0	8	FC	44	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0

3B	NOP1		1	IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	0 0	8 0	0 0	4 0	0 0	0 0
3C	BIT	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C B := *DP A AND B; SETF(NZV); BIT; IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	3 B0 B0 0	80 12 8 0	C8 0 8F 0	42 0 34 0	0 10 0 0	0 0 0 0
3D	AND	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C B := *DP A := A AND B; SETF(NZ); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	3 B0 A0 0	80 12 8 0	C8 0 8C 0	42 0 4 0	0 10 0 0	0 0 0 0
3E	ROL	abs,X	6*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C B := *DP; ML T := 0 ROL B; SETF(NZC) *DP := T IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	3 C0 5B F5 0 0	80 12 32 12 8 0	C8 0 CD 0 0 0	42 0 90 0 4 0	0 10 0 10 0 0	0 0 0 0 0 0
3F	BBR3	zp,rel	5*	B := *zDP; T := !B; B := *PC; PC += 1; EXIT.BTF PCL := PCL + B; EXIT.CC PCH = PCH + signextend(*); USE(IC) IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	B0 50 88 90 0 0	42 0 2 32 8 0	0 38 C8 C8 0 0	0 3 41 18 4 0	0 0 0 0 0 0	10 0 0 0 0 0
40	RTI	imp	6	SP += 1; B := *SP P := *SP; SP += 1 PCL := *SP; SP += 1 PCH := *SP IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	B0 70 80 90 0 0	56 56 56 52 8 0	0 0 0 0 0 0	0 0 0 0 4 0	0 10 10 10 0 0	0 0 0 0 0 0
41	EOR	X,ind	6	DPL := B + X; B := *PBA T := *zDP; DPL += 1 DPH := *zDP B := *DPt A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	3 50 10 B0 A0 0	32 44 42 22 8 0	C8 0 0 0 6C 0	40 0 0 0 4 0	0 10 10 10 0 0	0 0 0 0 0 0
42	LDD	#	2	IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	0 0	8 0	0 0	4 0	0 0	0 0
43	NOP1		1	IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	0 0	8 0	0 0	4 0	0 0	0 0
44	LDD	zpg	3	B := *zDP IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	B0 0 0	42 8 0	0 0 0	0 4 0	0 0 0	10 0 0
45	EOR	zpg	3	B := *zDP	B0	42	0	0	10	0



				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
46	LSR	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
47	RMB4	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := BCG AND B;	5F	2	88	0	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
48	PHA	imp	3	*SP := A; SP -= 1	F0	57	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
49	EOR	#	2	A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
4A	LSR	A	2	A := A LSR 0; SETF(NZC); IR := *PC; PC += 1; END	A0	8	AD	24	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
4B	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
4C	JMP	abs	3	DPH := *PC; PC += 1	10	0	0	0	0	0
				IR := *DP; PC += 1; END	B0	18	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
4D	EOR	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
4E	LSR	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
4F	BBR4	zp,rel	5*	B := *zDP;	B0	42	0	0	10	0
				T := IB; B := *PC; PC += 1; EXIT.BTF	50	0	38	3	0	0
				PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	90	32	C8	18	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
50	BVC	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0

				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
51	EOR	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
52	EOR	(zpg)	5	T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
53	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
54	LDD	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
55	EOR	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
56	LSR	zpg,X	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
57	RMB5	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := BCG AND B;	5F	2	88	0	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
58	CLI	imp	2	SETF(OPCODE 0); IR := *PC; PC += 1; END	B0	8	9	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
59	EOR	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
5A	PHY	imp	3	*SP := Y; SP -= 1	F4	57	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0

5B	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
5C	???	???	8	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				NOP	B0	32	0	0	0	0
				NOP	B0	32	0	0	0	0
				NOP	B0	32	0	0	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
5D	EOR	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
5E	LSR	abs,X	6*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
5F	BBR5	zp,rel	5*	B := *zDP;	B0	42	0	0	10	0
				T := !B; B := *PC; PC += 1; EXIT.BTF	50	0	38	3	0	0
				PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	90	32	C8	18	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
60	RTS	imp	6	SP += 1; B := *SP	B0	56	0	0	0	0
				PCL := *SP; SP += 1	80	56	0	0	10	0
				PCH := *SP	90	52	0	0	10	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
61	ADC	X,ind	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
62	LDD	#	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
63	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
64	STZ	zpg	3	*zDP := 0	FB	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0

				DPL := B := *PC; PC += 1	0	0	0	0	0	0
65	ADC	zpg	3	B := *zDP	B0	42	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
66	ROR	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
67	RMB6	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := BCG AND B;	5F	2	88	0	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
68	PLA	imp	4	SP += 1; B := *SP	B0	56	0	0	0	0
				B := *SP	B0	52	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
69	ADC	#	2	A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
6A	ROR	A	2	A := A ROR 0; SETF(NZC); IR := *PC; PC += 1; END	A0	8	AD	2C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
6B	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
6C	JMP	(abs)	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				NOP	B0	32	0	0	0	0
				DPL := *DP; PC += 1	0	10	0	0	0	0
				DPH := *PC; PC += 1	10	0	0	0	0	0
				IR := *DP; PC += 1; END	B0	18	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
6D	ADC	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
6E	ROR	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
6F	BBR6	zp,rel	5*	B := *zDP;	B0	42	0	0	10	0
				T := !B; B := *PC; PC += 1; EXIT.BTF	50	0	38	3	0	0

				PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	90	32	C8	18	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
70	BVS	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
71	ADC	ind,y	5	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
72	ADC	(zpg)	5	T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
73	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
74	STZ	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				*zDP := 0	FB	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
75	ADC	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
76	ROR	zpg,X	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
77	RMB7	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := BCG AND B;	5F	2	88	0	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
78	SEI	imp	2	SETF(OPCODE 1); IR := *PC; PC += 1; END	B0	8	F9	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
79	ADC	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0

				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
7A	PLY	imp	4	SP += 1; B := *SP	B0	56	0	0	0	0
				B := *SP	B0	52	0	0	10	0
				Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
7B	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
7C	JMP	(abs,x)	6	PCL := B + X; B := *PC	83	2	C8	40	0	0
				PCH := B + 0; USE(IC)	90	32	C8	18	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
				DPH := *PC; PC += 1	10	0	0	0	0	0
				IR := *DP; PC += 1; END	B0	18	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
7D	ADC	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
7E	ROR	abs,X	6*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
7F	BBR7	zp,rel	5*	B := *zDP;	B0	42	0	0	10	0
				T := !B; B := *PC; PC += 1; EXIT.BTF	50	0	38	3	0	0
				PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	90	32	C8	18	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
80	BRA	rel	3*	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
81	STA	X,ind	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				*DPt := A	F0	22	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
82	LDD	#	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
83	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0

				DPL := B := *PC; PC += 1	0	0	0	0	0	0
84	STY	zpg	3	*zDP := Y	F4	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
85	STA	zpg	3	*zDP := A	F0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
86	STX	zpg	3	*zDP := X	F3	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
87	SMB0	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := !BCG OR B;	5F	2	D8	0	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
88	DEY	imp	2	Y := Y - 1; SETF(NZ); IR := *PC; PC += 1; END	44	8	FC	44	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
89	BIT	#	2	A AND B; SETF(Z); BIT; IR := *PC; PC += 1; END	B0	8	8B	34	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
8A	TXA	imp	2	A := X; SETF(NZ); IR := *PC; PC += 1; END	A3	8	C	44	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
8B	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
8C	STY	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				*DP := Y	F4	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
8D	STA	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				*DP := A	F0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
8E	STX	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				*DP := X	F3	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
8F	BBS0	zp,rel	5*	B := *zDP;	B0	42	0	0	10	0
				T := B; B := *PC; PC += 1; EXIT.BTF	50	0	C8	3	0	0
				PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	90	32	C8	18	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0

90	BCC	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
91	STA	ind,Y	6	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP	4	C2	C8	40	10	0
				DPH := DPH + 0; USE(IC); B := *PBA	11	32	8	58	0	0
				*DP := A	F0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
92	STA	(zpg)	5	T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				*DPT := A	F0	22	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
93	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
94	STY	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				*zDP := Y	F4	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
95	STA	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				*zDP := A	F0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
96	STX	zpg,Y	4	DPL := B + Y; B := *PBA	4	32	C8	40	0	0
				*zDP := X	F3	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
97	SMB1	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := !BCG OR B;	5F	2	D8	0	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
98	TYA	imp	2	A := Y; SETF(NZ); IR := *PC; PC += 1; END	A4	8	C	44	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
99	STA	abs,Y	5	DPL := B + Y; B := *PC; PC += 1	4	0	C8	40	0	0
				DPH := B + 0; USE(IC); B := *PBA	10	32	C8	18	0	0
				*DP := A	F0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
9A	TXS	imp	2	SP := X; IR := *PC; PC += 1; END	23	8	8	44	0	0



				DPL := B := *PC; PC += 1	0	0	0	0	0	0
9B	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
9C	STZ	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				*DP := 0	FB	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
9D	STA	abs,X	5	DPL := B + X; B := *PC; PC += 1	3	0	C8	40	0	0
				DPH := B + 0; USE(IC); B := *PBA	10	32	C8	18	0	0
				*DP := A	F0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
9E	STZ	abs,X	5	DPL := B + X; B := *PC; PC += 1	3	0	C8	40	0	0
				DPH := B + 0; USE(IC); B := *PBA	10	32	C8	18	0	0
				*DP := 0	FB	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
9F	BBS1	zp,rel	5*	B := *zDP;	B0	42	0	0	10	0
				T := B; B := *PC; PC += 1; EXIT.BTF	50	0	C8	3	0	0
				PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	90	32	C8	18	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
A0	LDY	#	2	Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
A1	LDA	X,ind	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
A2	LDX	#	2	X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
A3	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
A4	LDY	zpg	3	B := *zDP	B0	42	0	0	10	0
				Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
A5	LDA	zpg	3	B := *zDP	B0	42	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0

A6	LDX	zpg	3	B := *zDP	B0	42	0	0	10	0
				X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
A7	SMB2	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := !BCG OR B;	5F	2	D8	0	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
A8	TAY	imp	2	Y := A; SETF(NZ); IR := *PC; PC += 1; END	40	8	C	44	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
A9	LDA	#	2	A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
AA	TAX	imp	2	X := A; SETF(NZ); IR := *PC; PC += 1; END	30	42	0	0	10	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
AB	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
AC	LDY	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
AD	LDA	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
AE	LDX	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
AF	BBS2	zp,rel	5*	B := *zDP;	B0	42	0	0	10	0
				T := B; B := *PC; PC += 1; EXIT.BTF	50	0	C8	3	0	0
				PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	90	32	C8	18	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B0	BCS	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B1	LDA	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0

				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B2	LDA	(zpg)	5	T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPT	B0	22	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B3	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B4	LDY	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B5	LDA	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B6	LDX	zpg,Y	4	DPL := B + Y; B := *PBA	4	32	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B7	SMB3	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := !BCG OR B;	5F	2	D8	0	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B8	CLV	imp	2	SETF(OPCODE 0); IR := *PC; PC += 1; END	B0	8	9	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B9	LDA	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
BA	TSX	imp	2	X := SP; SETF(NZ); IR := *PC; PC += 1; END	32	8	C	44	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
BB	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
BC	LDY	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
BD	LDA	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0

				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
BE	LDX	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
BF	BBS3	zp,rel	5*	B := *zDP;	B0	42	0	0	10	0
				T := B; B := *PC; PC += 1; EXIT.BTF	50	0	C8	3	0	0
				PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	90	32	C8	18	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
C0	CPY	#	2	Y CMP B; SETF(NZC); IR := *PC; PC += 1; END	B4	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
C1	CMP	X,ind	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
C2	LDD	#	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
C3	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
C4	CPY	zpg	3	B := *zDP	B0	42	0	0	10	0
				Y CMP B; SETF(NZC); IR := *PC; PC += 1; END	B4	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
C5	CMP	zpg	3	B := *zDP	B0	42	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
C6	DEC	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := B - 1; SETF(NZ)	50	32	FC	80	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
C7	SMB4	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := IBCG OR B;	5F	2	D8	0	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
C8	INY	imp	2	Y := Y + 1; SETF(NZ); IR := *PC; PC += 1; END	44	8	C	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0

C9	CMP	#	2	A CMP B; SETF(NZC); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	B0	8	3D	4C	0	0
CA	DEX	imp	2	X := X - 1; SETF(NZ); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	33	8	FC	44	0	0
CB	WAI	imp	3	WAI; IR := PC; PC += 1; END DPL := B := *PC; PC += 1	D0	8	0	4	0	0
CC	CPY	abs	4	DPH := *PC; PC += 1 B := *DP Y CMP B; SETF(NZC); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	10	0	0	0	0	0
					B0	12	0	0	10	0
					B4	8	3D	4C	0	0
					0	0	0	0	0	0
CD	CMP	abs	4	DPH := *PC; PC += 1 B := *DP A CMP B; SETF(NZC); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	10	0	0	0	0	0
					B0	12	0	0	10	0
					B0	8	3D	4C	0	0
					0	0	0	0	0	0
CE	DEC	abs	6	DPH := *PC; PC += 1 B := *DP; ML T := B - 1; SETF(NZ) *DP := T IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	10	0	0	0	0	0
					C0	12	0	0	10	0
					50	32	FC	80	0	0
					F5	12	0	0	10	0
					0	8	0	4	0	0
					0	0	0	0	0	0
CF	BBS4	zp,rel	5*	B := *zDP; T := B; B := *PC; PC += 1; EXIT.BTF PCL := PCL + B; EXIT.CC PCH = PCH + signextend(*); USE(IC) IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	B0	42	0	0	10	0
					50	0	C8	3	0	0
					88	2	C8	41	0	0
					90	32	C8	18	0	0
					0	8	0	4	0	0
					0	0	0	0	0	0
D0	BNE	rel	2**	PCL := PCL + B; EXIT.CC PCH = PCH + signextend(*); USE(IC) IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	88	2	C8	41	0	0
					99	2	C8	78	0	0
					0	8	0	4	0	0
					0	0	0	0	0	0
D1	CMP	ind,Y	5*	B := *zDP; DPL += 1 DPL := B + Y; DPH.db := *zDP; INCDPH.C B := *DP A CMP B; SETF(NZC); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	B0	44	0	0	10	0
					4	C2	C8	42	10	0
					B0	12	0	0	10	0
					B0	8	3D	4C	0	0
					0	0	0	0	0	0
D2	CMP	(zpg)	5	T := *zDP; DPL += 1 DPH := *zDP B := *DPt A CMP B; SETF(NZC); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	50	44	0	0	10	0
					10	42	0	0	10	0
					B0	22	0	0	10	0
					B0	8	3D	4C	0	0
					0	0	0	0	0	0
D3	NOP1		1	IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	0	8	0	4	0	0
					0	0	0	0	0	0

D4	LDD	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
D5	CMP	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
D6	DEC	zpg,X	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	10	0
				T := B - 1; SETF(NZ)	50	32	FC	80	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
D7	SMB5	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := IBCG OR B;	5F	2	D8	0	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
D8	CLD	imp	2	SETF(OPCODE 0); IR := *PC; PC += 1; END	B0	8	9	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
D9	CMP	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
DA	PHX	imp	3	*SP := X; SP -= 1	F3	57	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
DB	STP	imp	3	STP; IR := *PC; PC += 1; END	BD	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
DC	LDD	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
DD	CMP	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
DE	DEC	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *PBA	11	32	8	58	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := B - 1; SETF(NZ)	50	32	FC	80	0	0

				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
DF	BBS5	zp,rel	5*	B := *zDP;	B0	42	0	0	10	0
				T := B; B := *PC; PC += 1; EXIT.BTF	50	0	C8	3	0	0
				PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	90	32	C8	18	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E0	CPX	#	2	X CMP B; SETF(NZC); IR := *PC; PC += 1; END	B3	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E1	SBC	X,ind	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E2	LDD	#	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E3	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E4	CPX	zpg	3	B := *zDP	B0	42	0	0	10	0
				X CMP B; SETF(NZC); IR := *PC; PC += 1; END	B3	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E5	SBC	zpg	3	B := *zDP	B0	42	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E6	INC	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E7	SMB6	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := !BCG OR B;	5F	2	D8	0	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E8	INX	imp	2	X := X + 1; SETF(NZ); IR := *PC; PC += 1; END	33	8	C	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E9	SBC	#	2	A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0

EA	NOP	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
EB	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
EC	CPX	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				X CMP B; SETF(NZC); IR := *PC; PC += 1; END	B3	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
ED	SBC	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
EE	INC	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
EF	BBS6	zp,rel	5*	B := *zDP;	B0	42	0	0	10	0
				T := B; B := *PC; PC += 1; EXIT.BTF	50	0	C8	3	0	0
				PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	90	32	C8	18	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F0	BEQ	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F1	SBC	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F2	SBC	(zpg)	5	T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F3	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F4	LDD	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0



				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F5	SBC	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F6	INC	zpg,X	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	10	0
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F7	SMB7	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := !BCG OR B;	5F	2	D8	0	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F8	SED	imp	2	SETF(OPCODE 1); IR := *PC; PC += 1; END	B0	8	F9	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F9	SBC	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
FA	PLX	imp	4	SP += 1; B := *SP	B0	56	0	0	0	0
				B := *SP	B0	52	0	0	10	0
				X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
FB	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
FC	LDD	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
FD	SBC	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
FE	INC	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *PBA	11	32	8	58	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0

FF	BBS7	zp,rel	5*	B := *zDP;	B0	42	0	0	10	0
				T := B; B := *PC; PC += 1; EXIT.BTF	50	0	C8	3	0	0
				PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	90	32	C8	18	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
00	BRK	"Sig"	7	*SP := PCH; SP -= 1	F9	57	0	0	10	0
				*SP := PCL; SP -= 1	F8	57	0	0	10	0
				*SP := P; SP -= 1; PBR.CLR	F7	57	0	0	10	10
				PCL := *fCP; DPL += 1	80	74	0	0	0	0
				PCH := *fDP; SETF(SEI/CLD)	90	62	2	0	0	0
				IR := *PC; PC += 1; END.INT	0	8	0	6	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
01	ORA	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
02	KIL	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
03	SLO	X,ind	8	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				DPL := 0 ASL B; SETF(NZC)	B	32	CD	80	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
04	LDD	zpg	3	B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
05	ORA	zpg	3	B := *zDP	B0	42	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
06	ASL	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
07	SLO	zpg	5	B := *zDP	B0	42	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0

				DPL := B := *PC; PC += 1	0	0	0	0	0	0
08	PHP	imp	3	*SP := P; SP -= 1	F7	57	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
09	ORA	#	2	A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
0A	ASL	A	2	A := A ASL 0; SETF(NZC); IR := *PC; PC += 1; END	A0	8	AD	44	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
0B	ANC	#	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
0C	LDD	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
0D	ORA	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
0E	ASL	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
0F	SLO	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
10	BPL	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
11	ORA	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
12	KIL	imp	3	NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0

13	SLO	ind,Y		B := *zDP; DPL += 1	B0	44	0	0	10	0
				T := B + Y; DPH.db := *zDP	54	C2	C8	40	10	0
				DPH := DPH + 0; USE(IC); B := *DPt	11	22	8	58	0	0
				B := *DPt	B0	22	0	0	10	0
				DPL := 0 ASL B; SETF(NZC)	B	32	CD	80	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
14	LDD	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
15	ORA	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
16	ASL	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
17	SLO	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
18	CLC	imp	2	SETF(OPCODE 0); IR := *PC; PC += 1; END	B0	8	9	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
19	ORA	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
1A	NOP	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
1B	SLO	abs,Y	7	DPL := B + Y; DPH.db := *PC; PC += 1	4	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0

1C	LDD	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
1D	ORA	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
1E	ASL	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
1F	SLO	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
20	JSR	abs	6	B := *SP	B0	52	0	0	10	0
				*SP := PCH; SP -- 1	F9	57	0	0	10	0
				*SP := PCL; SP -- 1	F8	57	0	0	10	0
				DPH := *PC; PC += 1	10	0	0	0	0	0
				IR := *DP; PC += 1; END	B0	18	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
21	AND	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
22	KIL	imp	3	NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
23	RLA	X,ind		DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				DPL := 0 ROL B; SETF(NZC)	B	32	CD	90	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0

24	BIT	zpg	3	B := *zDP	B0	42	0	0	10	0
				A AND B; SETF(NZV); BIT; IR := *PC; PC += 1; END	B0	8	8F	34	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
25	AND	zpg	3	B := *zDP	B0	42	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
26	ROL	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
27	RLA	zpg	5	B := *zDP	B0	42	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
28	PLP	imp	4	SP += 1; B := *SP	B0	56	0	0	0	0
				P := *SP	70	52	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
29	AND	#	2	A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
2A	ROL	A	2	A := A ROL 0; SETF(NZC); IR := *PC; PC += 1; END	A0	8	AD	54	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
2B	ANC	#	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
2C	BIT	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A AND B; SETF(NZV); BIT; IR := *PC; PC += 1; END	B0	8	8F	34	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
2D	AND	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
2E	ROL	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
2F	RLA	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0

				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
30	BMI	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
31	AND	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
32	KIL	imp	3	NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
33	RLA	ind,Y	8	B := *zDP; DPL += 1	B0	44	0	0	10	0
				T := B + Y; DPH.db := *zDP	54	C2	C8	40	10	0
				DPH := DPH + 0; USE(IC); B := *DPt	11	22	8	58	0	0
				B := *DPt	B0	22	0	0	10	0
				DPL := 0 ROL B; SETF(NZC)	B	32	CD	90	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
34	LDD	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
35	AND	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
36	ROL	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
37	RLA	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0

38	SEC	imp	2	SETF(OPCODE 1); IR := *PC; PC += 1; END	B0	8	F9	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
39	AND	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
3A	NOP	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
3B	RLA	abs,Y	7	DPL := B + Y; DPH.db := *PC; PC += 1	4	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
3C	LDD	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
3D	AND	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
3E	ROL	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
3F	RLA	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
40	RTI	imp	6	SP += 1; B := *SP	B0	56	0	0	0	0
				P := *SP; SP += 1	70	56	0	0	10	0
				PCL := *SP; SP += 1	80	56	0	0	10	0
				PCH := *SP	90	52	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0



41	EOR	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
42	KIL	imp	3	NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
43	SRE	X,ind	8	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				DPL := 0 LSR B; SETF(NZC)	B	32	CD	20	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
44	LDD	zpg	3	B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
45	EOR	zpg	3	B := *zDP	B0	42	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
46	LSR	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
47	SRE	zpg	5	B := *zDP	B0	42	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
48	PHA	imp	3	*SP := A; SP -= 1	F0	57	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
49	EOR	#	2	A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
4A	LSR	A	2	A := A LSR 0; SETF(NZC); IR := *PC; PC += 1; END	A0	8	AD	24	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
4B	ALR	#	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0

4C	JMP	abs	3	DPH := *PC; PC += 1	10	0	0	0	0	0
				IR := *DP; PC += 1; END	B0	18	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
4D	EOR	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
4E	LSR	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
4F	SRE	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
50	BVC	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
51	EOR	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
52	KIL	imp	3	NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
53	SRE	ind,Y		B := *zDP; DPL += 1	B0	44	0	0	10	0
				T := B + Y; DPH.db := *zDP	54	C2	C8	40	10	0
				DPH := DPH + 0; USE(IC); B := *DPt	11	22	8	58	0	0
				B := *DPt	B0	22	0	0	10	0
				DPL := 0 LSR B; SETF(NZC)	B	32	CD	20	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
54	LDD	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
55	EOR	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0

				B := *zDP	B0	42	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
56	LSR	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
57	SRE	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
58	CLI	imp	2	SETF(OPCODE 0); IR := *PC; PC += 1; END	B0	8	9	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
59	EOR	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
5A	NOP	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
5B	SRE	abs,Y	7	DPL := B + Y; DPH.db := *PC; PC += 1	4	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
5C	LDD	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
5D	EOR	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
5E	LSR	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0

				DPL := B := *PC; PC += 1	0	0	0	0	0	0
5F	SRE	abs,X	7	PC -= 1	0	33	0	0	0	0
				DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
60	RTS	imp	6	SP += 1; B := *SP	B0	56	0	0	0	0
				PCL := *SP; SP += 1	80	56	0	0	10	0
				PCH := *SP	90	52	0	0	10	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
61	ADC	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
62	KIL	imp	6	NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
63	RRA	X,ind	8	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				DPL := 0 ROR B; SETF(NZC)	B	32	CD	28	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
64	LDD	zpg	3	B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
65	ADC	zpg	3	B := *zDP	B0	42	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
66	ROR	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
67	RRA	zpg	5	B := *zDP	B0	42	0	0	10	0

				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
68	PLA	imp	4	SP += 1; B := *SP	B0	56	0	0	0	0
				B := *SP	B0	52	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
69	ADC	#	2	A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
6A	ROR	A	2	A := A ROR 0; SETF(NZC); IR := *PC; PC += 1; END	A0	8	AD	2C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
6B	ARR	#	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
6C	JMP	(abs)	5	DPH := *PC; PC += 1	10	0	0	0	0	0
				PCL := *DP; DPL += 1	80	14	0	0	0	0
				PCH := *DP	90	12	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
6D	ADC	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
6E	ROR	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
6F	RRA	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
70	BVS	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
71	ADC	ind,y	5	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0

				DPL := B := *PC; PC += 1	0	0	0	0	0	0
72	KIL	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
73	RRA	ind,Y	8	B := *zDP; DPL += 1	B0	44	0	0	10	0
				T := B + Y; DPH.db := *zDP	54	C2	C8	40	10	0
				DPH := DPH + 0; USE(IC); B := *DPt	11	22	8	58	0	0
				B := *DPt	B0	22	0	0	10	0
				DPL := 0 ROR B; SETF(NZC)	B	32	CD	28	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
74	LDD	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
75	ADC	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
76	ROR	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
77	RRA	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
78	SEI	imp	2	SETF(OPCODE 1); IR := *PC; PC += 1; END	B0	8	F9	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
79	ADC	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
7A	NOP	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
7B	RRA	abs,Y	7	DPL := B + Y; DPH.db := *PC; PC += 1	4	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0

				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
7C	LDD	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
7D	ADC	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
7E	ROR	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
7F	RRA	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
80	LDD	imm	02	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
81	STA	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				*DPT := A	F0	22	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
82	LDD	imm	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
83	SAX	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
84	STY	zpg	3	*zDP := Y	F4	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0

85	STA	zpg	3	*zDP := A	F0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
86	STX	zpg	3	*zDP := X	F3	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
87	SAX	zpg	3	NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
88	DEY	imp	2	Y := Y - 1; SETF(NZ); IR := *PC; PC += 1; END	44	8	FC	44	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
89	LDD	imm	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
8A	TXA	imp	2	A := X; SETF(NZ); IR := *PC; PC += 1; END	A3	8	C	44	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
8B	XAA	#	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
8C	STY	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				*DP := Y	F4	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
8D	STA	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				*DP := A	F0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
8E	STX	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				*DP := X	F3	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
8F	SAX	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
90	BCC	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
91	STA	ind,Y	6	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP	4	C2	C8	40	10	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0



				*DP := A	F0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
92	KIL	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
93	AHX	ind,Y	6	B := *zDP; DPL += 1	B0	44	0	0	10	0
				T := B + Y; DPH.db := *zDP	54	C2	C8	40	10	0
				DPH := DPH + 0; USE(IC); B := *DPt	11	22	8	58	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
94	STY	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				*zDP := Y	F4	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
95	STA	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				*zDP := A	F0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
96	STX	zpg,Y	4	DPL := B + Y; B := *zDP	4	42	C8	40	0	0
				*zDP := X	F3	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
97	SAX	zpg,Y	4	DPL := B + Y; B := *zDP	4	42	C8	40	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
98	TYA	imp	2	A := Y; SETF(NZ); IR := *PC; PC += 1; END	A4	8	C	44	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
99	STA	abs,Y	5	DPL := B + Y; B := *PC; PC += 1	4	0	C8	40	0	0
				DPH := B + 0; USE(IC); B := *DP	10	12	C8	18	0	0
				*DP := A	F0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
9A	TXS	imp	2	SP := X; IR := *PC; PC += 1; END	23	8	8	44	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
9B	TAS	abs,Y	5	DPL := B + Y; DPH.db := *PC; PC += 1	4	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
9C	SHY	abs,X	5	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0

				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
9D	STA	abs,X	5	DPL := B + X; B := *PC; PC += 1	3	0	C8	40	0	0
				DPH := B + 0; USE(IC); B := *DP	10	12	C8	18	0	0
				*DP := A	F0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
9E	SHX	abs,Y	5	DPL := B + Y; DPH.db := *PC; PC += 1	4	80	C8	40	0	0
				DPH := DPH + 0; USE(IC)	10	32	C8	18	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
9F	AHX	abs,Y	5	DPL := B + Y; DPH.db := *PC; PC += 1	4	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
A0	LDY	#	2	Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
A1	LDA	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPT	B0	22	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
A2	LDX	#	2	X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
A3	LAX	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
A4	LDY	zpg	3	B := *zDP	B0	42	0	0	10	0
				Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
A5	LDA	zpg	3	B := *zDP	B0	42	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
A6	LDX	zpg	3	B := *zDP	B0	42	0	0	10	0
				X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0

				DPL := B := *PC; PC += 1	0	0	0	0	0	0
A7	LAX	zpg	3	NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
A8	TAY	imp	2	Y := A; SETF(NZ); IR := *PC; PC += 1; END	40	8	C	44	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
A9	LDA	#	2	A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
AA	TAX	imp	2	X := A; SETF(NZ); IR := *PC; PC += 1; END	30	42	0	0	10	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
AB	LXA	#	3	NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
AC	LDY	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
AD	LDA	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
AE	LDX	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
AF	LAX	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B0	BCS	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B1	LDA	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B2	KIL	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0

B3	LAX	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B4	LDY	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B5	LDA	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B6	LDX	zpg,Y	4	DPL := B + Y; B := *zDP	4	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B7	LAX	zpg,Y	4	DPL := B + Y; B := *zDP	4	42	C8	40	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B8	CLV	imp	2	SETF(OPCODE 0); IR := *PC; PC += 1; END	B0	8	9	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B9	LDA	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
BA	TSX	imp	2	X := SP; SETF(NZ); IR := *PC; PC += 1; END	32	8	C	44	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
BB	LAS	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
BC	LDY	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
BD	LDA	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
BE	LDX	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0

				B := *DP	B0	12	0	0	10	0
				X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
BF	LAX	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
C0	CPY	#	2	Y CMP B; SETF(NZC); IR := *PC; PC += 1; END	B4	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
C1	CMP	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPT	B0	22	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
C2	LDD	imm	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
C3	DCP	X,ind	8	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPT	B0	22	0	0	10	0
				NOP	B0	32	0	0	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
C4	CPY	zpg	3	B := *zDP	B0	42	0	0	10	0
				Y CMP B; SETF(NZC); IR := *PC; PC += 1; END	B4	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
C5	CMP	zpg	3	B := *zDP	B0	42	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
C6	DEC	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := B - 1; SETF(NZ)	50	32	FC	80	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
C7	DCP	zpg	5	B := *zDP	B0	42	0	0	10	0
				NOP	B0	32	0	0	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
C8	INY	imp	2	Y := Y + 1; SETF(NZ); IR := *PC; PC += 1; END	44	8	C	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0

C9	CMP	#	2	A CMP B; SETF(NZC); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	B0	8	3D	4C	0	0
CA	DEX	imp	2	X := X - 1; SETF(NZ); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	33	8	FC	44	0	0
CB	AXS	imm	2	IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	0	8	0	4	0	0
CC	CPY	abs	4	DPH := *PC; PC += 1 B := *DP Y CMP B; SETF(NZC); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	10	0	0	0	0	0
CD	CMP	abs	4	DPH := *PC; PC += 1 B := *DP A CMP B; SETF(NZC); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	10	0	0	0	0	0
CE	DEC	abs	6	DPH := *PC; PC += 1 B := *DP; ML T := B - 1; SETF(NZ) *DP := T IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	10	0	0	0	0	0
CF	DCP	abs	6	DPH := *PC; PC += 1 B := *DP NOP NOP IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	10	0	0	0	0	0
D0	BNE	rel	2**	PCL := PCL + B; EXIT.CC PCH = PCH + signextend(*); USE(IC) IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	88	2	C8	41	0	0
D1	CMP	ind,Y	5*	B := *zDP; DPL += 1 DPL := B + Y; DPH.db := *zDP; INCDPH.C B := *DP A CMP B; SETF(NZC); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	B0	44	0	0	10	0
D2	KIL	imp	3	IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	0	8	0	4	0	0
D3	DCP	ind,Y	8	B := *zDP; DPL += 1 T := B + Y; DPH.db := *zDP DPH := DPH + 0; USE(IC); B := *DPt B := *DPt NOP	B0	44	0	0	10	0

				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
D4	LDD	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
D5	CMP	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
D6	DEC	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	10	0
				T := B - 1; SETF(NZ)	50	32	FC	80	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
D7	DCP	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				NOP	B0	32	0	0	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
D8	CLD	imp	2	SETF(OPCODE 0); IR := *PC; PC += 1; END	B0	8	9	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
D9	CMP	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
DA	NOP	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
DB	DCP	abs,Y	7	DPL := B + Y; DPH.db := *PC; PC += 1	4	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				NOP	B0	32	0	0	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
DC	LDD	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
DD	CMP	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0

				B := *DP	B0	12	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
DE	DEC	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := B - 1; SETF(NZ)	50	32	FC	80	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
DF	DCP	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				NOP	B0	32	0	0	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E0	CPX	#	2	X CMP B; SETF(NZC); IR := *PC; PC += 1; END	B3	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E1	SBC	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E2	LDD	imm	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E3	ISC	X,ind	8	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				NOP	B0	32	0	0	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E4	CPX	zpg	3	B := *zDP	B0	42	0	0	10	0
				X CMP B; SETF(NZC); IR := *PC; PC += 1; END	B3	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E5	SBC	zpg	3	B := *zDP	B0	42	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E6	INC	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*zDP := T	F5	42	0	0	10	0



				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E7	ISC	zpg	5	B := *zDP	B0	42	0	0	10	0
				NOP	B0	32	0	0	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E8	INX	imp	2	X := X + 1; SETF(NZ); IR := *PC; PC += 1; END	33	8	C	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E9	SBC	#	2	A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
EA	NOP	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
EB	SBC	#	2	A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
EC	CPX	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				X CMP B; SETF(NZC); IR := *PC; PC += 1; END	B3	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
ED	SBC	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
EE	INC	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
EF	ISC	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				NOP	B0	32	0	0	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F0	BEQ	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F1	SBC	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0

				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F2	KIL	imp	3	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F3	ISC	ind,Y	8	B := *zDP; DPL += 1	B0	44	0	0	10	0
				T := B + Y; DPH.db := *zDP	54	C2	C8	40	10	0
				DPH := DPH + 0; USE(IC); B := *DPt	11	22	8	58	0	0
				B := *DPt	B0	22	0	0	10	0
				NOP	B0	32	0	0	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F4	LDD	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F5	SBC	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F6	INC	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	10	0
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F7	ISC	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				NOP	B0	32	0	0	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F8	SED	imp	2	SETF(OPCODE 1); IR := *PC; PC += 1; END	B0	8	F9	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F9	SBC	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
FA	NOP	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
FB	ISC	abs,Y	7	DPL := B + Y; DPH.db := *PC; PC += 1	4	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0

				NOP	B0	32	0	0	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
FC	LDD	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
FD	SBC	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
FE	INC	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
FF	ISC	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				NOP	B0	32	0	0	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
00	BRK	"Sig"	9	*SP := PBR; SP -= 1	FB	57	0	0	31	0
				*SP := PCH; SP -= 1	F9	57	0	0	30	0
				*SP := PCL; SP -= 1	F8	57	0	0	30	0
				*SP := P; SP -= 1; PBR.CLR	F7	57	0	0	30	10
				PBR := 0	BB	2	8	0	0	1
				PCL := *fCP; DPL += 1	80	74	0	0	30	0
				PCH := *fDP; SETF(SEI/CLD)	90	62	2	0	30	0
				IR := *PC; PC += 1; END.INT	0	8	0	6	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
01	ORA	X,ind	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP	10	42	0	0	30	40
				B := *DPt	B0	22	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
02	SPI	#	10	SPI (ALU PASS B)	BB	2	C0	0	0	0
				A := A ROL 0	A0	2	A8	50	0	0
				A := A ROL 0	A0	2	A8	50	0	0
				A := A ROL 0	A0	2	A8	50	0	0
				A := A ROL 0	A0	2	A8	50	0	0

				A := A ROL 0	A0	2	A8	50	0	0
				A := A ROL 0	A0	2	A8	50	0	0
				A := A ROL 0	A0	2	A8	50	0	0
				A := A ROL 0; IR := *PC; PC += 1; END	A0	8	A8	54	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
03	ORA	d,s	5	DPL := B + SP	2	2	C8	40	0	0
			vs	DPH := 1	10	2	8	8	0	0
			4	B := *DP	B0	12	0	0	30	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
04	TSB	zpg	5	B := *zDP; ML	C0	42	0	0	30	40
				B := *zDP; T := A OR B	50	42	E8	0	30	40
				*zDP := T	F5	42	0	0	30	40
				A AND B; SETF(Z); IR := *PC; PC += 1; END	B0	8	8B	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
05	ORA	zpg	3	B := *zDP	B0	42	0	0	30	40
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
06	ASL	zpg	5	B := *zDP; ML	C0	42	0	0	30	40
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*zDP := T	F5	42	0	0	30	40
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
07	ORA	(ind lng)	7	T := *zDP; DPL += 1	50	44	0	0	30	40
			vs	DPH := *zDP; DPL += 1	10	44	0	0	30	40
			6	TBR := *zDP	B0	42	0	0	30	43
				B := *DPt	B0	22	0	0	20	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
08	PHP	imp	3	*SP := P; SP -= 1	F7	57	0	0	30	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
09	ORA	#	2	A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
0A	ASL	A	2	A := A ASL 0; SETF(NZC); IR := *PC; PC += 1; END	A0	8	AD	44	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
0B	PHD		4	*SP := 0; SP -= 1	FB	57	0	0	30	0
				*SP := DH; SP -= 1	BB	57	0	0	34	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
0C	TSB	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				B := *DP; T := A OR B	50	12	E8	0	10	0

				*DP := T	F5	12	0	0	10	0
				A AND B; SETF(Z); IR := *PC; PC += 1; END	B0	8	8B	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
0D	ORA	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
0E	ASL	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
0F	ORA	abs lng	5	DPH := *PC; PC += 1	10	0	0	0	0	0
				TBR := *PC; PC += 1	B0	0	0	0	0	3
				B := *DP	B0	12	0	0	20	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
10	BPL	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
11	ORA	ind,Y	6*	B := *zDP; DPL += 1	B0	44	0	0	30	40
			vs	DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	30	40
			5*	TBR := DBR + 0; USE(IC)	BB	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
12	ORA	(zpg)	5	T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP	10	42	0	0	30	40
				B := *DPT	B0	22	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
13	ORA	(d,s),Y	8*	DPL := B + SP	2	2	C8	40	0	0
			vs	DPH := 1	10	2	8	8	0	0
			7*	B := *DP; DPL += 1	B0	14	0	0	30	0
				DPL := B + Y; DPH.db := *DP; INCDPH.C	4	92	C8	42	30	0
				TBR := DBR + 0; USE(IC)	BB	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
14	TRB	zpg	5	B := *zDP; ML	C0	42	0	0	30	40
				B := *zDP; T := !A AND B	50	42	48	0	30	40
				*zDP := T	F5	42	0	0	30	40
				A AND B; SETF(Z); IR := *PC; PC += 1; END	B0	8	8B	4	0	0

				DPL := B := *PC; PC += 1	0	0	0	0	0	0
15	ORA	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	30	40
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
16	ASL	zpg,X	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	30	40
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*zDP := T	F5	42	0	0	30	40
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
17	ORA	(ind lqq)Y	8	B := *zDP; DPL += 1	B0	44	0	0	30	40
			vs	T := B + Y; DPH.db := *zDP; DPL +=1	54	C4	C8	40	30	40
			6	DPH := DPH + 0; USE(IC); TBR.db := *zDP	11	42	8	58	30	63
				TBR := TBR + 0; USE(IC)	BB	2	8	58	3	3
				DPL := T	5	2	8	40	0	0
				B := *DP	B0	12	0	0	20	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
18	CLC	imp	2	SETF(OPCODE 0); IR := *PC; PC += 1; END	B0	8	9	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
19	ORA	abs,Y	5*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
			vs	TBR := DBR + 0; USE(IC)	BB	2	8	58	2	3
			4*	B := *DP	B0	12	0	0	20	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
1A	INC	A	2	A := A + 1; SETF(NZ); IR := *PC; PC += 1; END	A0	8	C	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
1B	TCS	imp	2	SP := A; IR := *PC; PC += 1; END	B0	8	F9	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
1C	TRB	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				B := *DP; T := !A AND B	50	12	48	0	10	0
				*DP := T	F5	12	0	0	10	0
				A AND B; SETF(Z); IR := *PC; PC += 1; END	B0	8	8B	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
1D	ORA	abs,X	5*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
			vs	TBR := DBR + 0; USE(IC)	BB	2	8	58	2	3
			4*	B := *DP	B0	12	0	0	20	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
1E	ASL	abs,X	7*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
			vs	TBR := DBR + 0; USE(IC)	BB	2	8	58	2	3

			6*	B := *DP; ML	C0	12	0	0	20	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*DP := T	F5	12	0	0	20	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
1F	ORA	abs lng,X	6	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
			vs	DPH := DPH + 0; USE(IC); TBR.db := *PC; PC +=1	11	0	8	58	0	23
			5*	TBR := TBR + 0; USE(IC)	BB	2	8	58	3	3
				B := *DP	B0	12	0	0	20	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
20	JSR	abs	6	B := *SP	B0	52	0	0	10	0
				*SP := PCH; SP -- 1	F9	57	0	0	30	0
				*SP := PCL; SP -- 1	F8	57	0	0	30	0
				DPH := *PC; PC += 1	10	0	0	0	0	0
				IR := *DP; PC += 1; END	B0	18	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
21	AND	X,ind	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP	10	42	0	0	30	40
				B := *DPt	B0	22	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
22	JSR	abs lng	7	*SP := PBR; SP -- 1	FB	57	0	0	31	0
				*SP := PCH; SP -- 1	F9	57	0	0	30	0
				*SP := PCL SP -- 1	F9	57	0	0	30	0
				DPH := *PC; PC += 1	10	0	0	0	0	0
				PBR := *PC; PC += 1	B0	0	0	0	0	1
				IR := *DP; PC += 1; END	B0	18	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
23	AND	d,s	5	DPL := B + SP	2	2	C8	40	0	0
			vs	DPH := 1	10	2	8	8	0	0
			4	B := *DP	B0	12	0	0	30	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
24	BIT	zpg	3	B := *zDP	B0	42	0	0	30	40
				A AND B; SETF(NZV); BIT; IR := *PC; PC += 1; END	B0	8	8F	34	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
25	AND	zpg	3	B := *zDP	B0	42	0	0	30	40
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
26	ROL	zpg	5	B := *zDP; ML	C0	42	0	0	30	40
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*zDP := T	F5	42	0	0	30	40
				IR := *PC; PC += 1; END	0	8	0	4	0	0

				DPL := B := *PC; PC += 1	0	0	0	0	0	0
27	AND	zpg lng	6	T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP; DPL += 1	10	44	0	0	30	40
				TBR := *zDP	B0	42	0	0	30	43
				B := *DPt	B0	22	0	0	20	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
28	PLP	imp	4	SP += 1; B := *SP	B0	56	0	0	0	0
				P := *SP	70	52	0	0	30	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
29	AND	#	2	A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
2A	ROL	A	2	A := A ROL 0; SETF(NZC); IR := *PC; PC += 1; END	A0	8	AD	54	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
2B	PLD	imp	5	SP += 1; B := *SP	B0	56	0	0	0	0
				DH := *SP; SP += 1	B0	56	0	0	30	4
				B := *SP	B0	52	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
2C	BIT	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A AND B; SETF(NZV); BIT; IR := *PC; PC += 1; END	B0	8	8F	34	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
2D	AND	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
2E	ROL	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
2F	AND	abs lng	5	DPH := *PC; PC += 1	10	0	0	0	0	0
				TBR := *PC; PC += 1	B0	0	0	0	0	3
				B := *DP	B0	12	0	0	20	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
30	BMI	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0



31	AND	ind,Y	6*	B := *zDP; DPL += 1	B0	44	0	0	30	40
			vs	DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	30	40
			5*	TBR := DBR + 0; USE(IC)	BB	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
32	AND	(zpg)	5	T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP	10	42	0	0	30	40
				B := *DPt	B0	22	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
33	AND	(d,s),Y	8*	DPL := B + SP	2	2	C8	40	0	0
			vs	DPH := 1	10	2	8	8	0	0
			7*	B := *DP; DPL += 1	B0	14	0	0	30	0
				DPL := B + Y; DPH.db := *DP; INCDPH.C	4	92	C8	42	30	0
				TBR := DBR + 0; USE(IC)	BB	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
34	BIT	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	30	40
				A AND B; SETF(NZV); BIT; IR := *PC; PC += 1; END	B0	8	8F	34	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
35	AND	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	30	40
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
36	ROL	zpg,X	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	30	40
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*zDP := T	F5	42	0	0	30	40
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
37	AND	(ind lna),Y	8	B := *zDP; DPL += 1	B0	44	0	0	30	40
			vs	T := B + Y; DPH.db := *zDP; DPL +=1	54	C4	C8	40	30	40
			6	DPH := DPH + 0; USE(IC); TBR.db := *zDP	11	42	8	58	30	63
				TBR := TBR + 0; USE(IC)	BB	2	8	58	3	3
				DPL := T	5	2	8	40	0	0
				B := *DP	B0	12	0	0	20	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
38	SEC	imp	2	SETF(OPCODE 1); IR := *PC; PC += 1; END	B0	8	F9	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
39	AND	abs,Y	5*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0

			vs	TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
			4*	B := *DP	B0	12	0	0	20	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
3A	DEC	A	2	A := A - 1; SETF(NZ); IR := *PC; PC += 1; END	A0	8	FC	44	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
3B	TSC	imp	2	A := SP; SETF(NZ); IR := *PC; PC += 1; END	A2	8	C	44	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
3C	BIT	abs,X	5*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
			vs	TBR := DBR + 0; USE(IC)	BB	2	8	58	2	3
			4*	B := *DP	B0	12	0	0	20	0
				A AND B; SETF(NZV); BIT; IR := *PC; PC += 1; END	B0	8	8F	34	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
3D	AND	abs,X	5*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
			vs	TBR := DBR + 0; USE(IC)	BB	2	8	58	2	3
			4*	B := *DP	B0	12	0	0	20	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
3E	ROL	abs,X	7*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
			vs	TBR := DBR + 0; USE(IC)	BB	2	8	58	2	3
			6*	B := *DP; ML	C0	12	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*DP := T	F5	12	0	0	20	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
3F	AND	abs lng,X	6	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
			vs	DPH := DPH + 0; USE(IC); TBR.db := *PC; PC +=1	11	0	8	58	0	23
			5*	TBR := TBR + 0; USE(IC)	BB	2	8	58	3	3
				B := *DP	B0	12	0	0	20	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
40	RTI	imp	7	SP += 1; B := *SP	B0	56	0	0	0	0
			vs	P := *SP; SP += 1	70	56	0	0	30	0
			6	PCL := *SP; SP += 1	80	56	0	0	30	0
				PCH := *SP; SP += 1	90	56	0	0	30	0
				PBR := *SP	B0	52	0	0	30	1
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
41	EOR	X,ind	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP	10	42	0	0	30	40
				B := *DPt	B0	22	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0

42	WDM	#	2	IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	0	8	0	4	0	0
43	EOR	d,s	5	DPL := B + SP vs DPH := 1 4 B := *DP A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	2	2	C8	40	0	0
44	MVP	DNK,DN ↓	3	DPH := *PC; PC += 1 IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	10	0	0	0	0	0
45	EOR	zpg	3	B := *zDP A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	B0	42	0	0	30	40
46	LSR	zpg	5	B := *zDP; ML T := 0 LSR B; SETF(NZC) *zDP := T IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	C0	42	0	0	30	40
47	EOR	zpg lng	6	T := *zDP; DPL += 1 DPH := *zDP; DPL += 1 TBR := *zDP B := *DPt A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	50	44	0	0	30	40
48	PHA	imp	3	*SP := A; SP -= 1 IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	F0	57	0	0	30	0
49	EOR	#	2	A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	A0	8	6C	4	0	0
4A	LSR	A	2	A := A LSR 0; SETF(NZC); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	A0	8	AD	24	0	0
4B	PHK	imp	3	*SP := PBR; SP -= 1 IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	FB	57	0	0	31	0
4C	JMP	abs	3	DPH := *PC; PC += 1 IR := *DP; PC += 1; END DPL := B := *PC; PC += 1	10	0	0	0	0	0
4D	EOR	abs	4	DPH := *PC; PC += 1 B := *DP A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	10	0	0	0	0	0
					B0	12	0	0	10	0
					A0	8	6C	4	0	0
					0	0	0	0	0	0

4E	LSR	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
4F	EOR	abs lng	5	DPH := *PC; PC += 1	10	0	0	0	0	0
				TBR := *PC; PC += 1	B0	0	0	0	0	3
				B := *DP	B0	12	0	0	20	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
50	BVC	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
51	EOR	ind,Y	6*	B := *zDP; DPL += 1	B0	44	0	0	30	40
			vs	DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	30	40
			5*	TBR := DBR + 0; USE(IC)	BB	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
52	EOR	(zpg)	5	T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP	10	42	0	0	30	40
				B := *DPT	B0	22	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
53	EOR	(d,s),Y	8*	DPL := B + SP	2	2	C8	40	0	0
			vs	DPH := 1	10	2	8	8	0	0
			7*	B := *DP; DPL += 1	B0	14	0	0	30	0
				DPL := B + Y; DPH.db := *DP; INCDPH.C	4	92	C8	42	30	0
				TBR := DBR + 0; USE(IC)	BB	2	8	58	2	3
				B := *DP	B0	12	0	0	30	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
54	MVN	DNK, DN v	3	DPH := *PC; PC += 1	10	0	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
55	EOR	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	30	40
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
56	LSR	zpg,X	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	30	40
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*zDP := T	F5	42	0	0	30	40

				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
57	EOR	(ind lna)Y	8	B := *zDP; DPL += 1	B0	44	0	0	30	40
			vs	T := B + Y; DPH.db := *zDP; DPL +=1	54	C4	C8	40	30	40
			6	DPH := DPH + 0; USE(IC); TBR.db := *zDP	11	42	8	58	30	63
				TBR := TBR + 0; USE(IC)	BB	2	8	58	3	3
				DPL := T	5	2	8	40	0	0
				B := *DP	B0	12	0	0	20	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
58	CLI	imp	2	SETF(OPCODE 0); IR := *PC; PC += 1; END	B0	8	9	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
59	EOR	abs,Y	5*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
			vs	TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
			4*	B := *DP	B0	12	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
5A	PHY	imp	3	*SP := Y; SP -= 1	F4	57	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
5B	TCD	imp	3	A := 0	AB	2	8	0	0	0
			vs 2	DH := BAR; SETF(NZ); IR := *PC; PC += 1; END	BB	8	C	44	5	4
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
5C	JMP	abs lng	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				PBR := *PC; PC += 1	B0	0	0	0	0	1
				IR := *DP; PC += 1; END	B0	18	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
5D	EOR	abs,X	5*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
			vs	TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
			4*	B := *DP	B0	12	0	0	20	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
5E	LSR	abs,X	7*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
			vs	TBR := DBR + 0; USE(IC)	BB	2	8	58	2	3
			6*	B := *DP; ML	C0	12	0	0	20	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*DP := T	F5	12	0	0	20	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
5F	EOR	abs lng,X	6	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
			vs	DPH := DPH + 0; USE(IC); TBR.db := *PC; PC +=1	11	0	8	58	0	23
			5*	TBR := TBR + 0; USE(IC)	BB	2	8	58	3	3
				B := *DP	B0	12	0	0	20	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0

				DPL := B := *PC; PC += 1	0	0	0	0	0	0
60	RTS	imp	6	SP += 1; B := *SP	B0	56	0	0	0	0
				PCL := *SP; SP += 1	80	56	0	0	30	0
				PCH := *SP	90	52	0	0	30	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
61	ADC	X,ind	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP	10	42	0	0	30	40
				B := *DPt	B0	22	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
62	PER	PC rel	6	DPL := PCL + B + 1; B := *PC	8	2	C8	48	0	0
				DPH := PCH + B; USE(IC); B := *PC; PC +=1	19	0	C8	58	0	0
				*SP := DPH; SP -= 1	F1	57	0	0	30	0
				*SP := DPL; SP -= 1	FA	57	0	0	30	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
63	ADC	d,s	5	DPL := B + SP	2	2	C8	40	0	0
		vs		DPH := 1	10	2	8	8	0	0
			4	B := *DP	B0	12	0	0	30	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
64	STZ	zpg	3	*zDP := 0	FB	42	0	0	30	40
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
65	ADC	zpg	3	B := *zDP	B0	42	0	0	30	40
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
66	ROR	zpg	5	B := *zDP; ML	C0	42	0	0	30	40
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*zDP := T	F5	42	0	0	30	40
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
67	ADC	zpg lng	6	T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP; DPL += 1	10	44	0	0	30	40
				TBR := *zDP	B0	42	0	0	30	40
				B := *DPt	B0	22	0	0	20	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
68	PLA	imp	4	SP += 1; B := *SP	B0	56	0	0	0	0
				B := *SP	B0	52	0	0	30	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0

				DPL := B := *PC; PC += 1	0	0	0	0	0	0
69	ADC	#	2	A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
6A	ROR	A	2	A := A ROR 0; SETF(NZC); IR := *PC; PC += 1; END	A0	8	AD	2C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
6B	RTL	imp	7	SP += 1; B := *SP	B0	56	0	0	0	0
			vs	PCL := *SP; SP += 1	80	56	0	0	30	0
			6	PCH := *SP; SP += 1	90	56	0	0	30	0
				PBR := *SP	B0	52	0	0	30	1
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
6C	JMP	(abs)	5	DPH := *PC; PC += 1	10	0	0	0	0	0
				DPL := *DP; PC += 1	0	10	0	0	0	0
				DPH := *PC; PC += 1	10	0	0	0	0	0
				IR := *DP; PC += 1; END	B0	18	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
6D	ADC	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
6E	ROR	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
6F	ADC	abs lng	5	DPH := *PC; PC += 1	10	0	0	0	0	0
				TBR := *PC; PC += 1	B0	0	0	0	0	3
				B := *DP	B0	12	0	0	20	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
70	BVS	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
71	ADC	ind,Y	6*	B := *zDP; DPL += 1	B0	44	0	0	30	40
			vs	DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	30	40
			5*	TBR := DBR + 0; USE(IC)	BB	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
72	ADC	(zpg)	5	T := *zDP; DPL += 1	50	44	0	0	30	40

				DPH := *zDP	10	42	0	0	30	40
				B := *DPt	B0	22	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
73	ADC	(d,s),Y	8*	DPL := B + SP	2	2	C8	40	0	0
			vs	DPH := 1	10	2	8	8	0	0
			7*	B := *DP; DPL += 1	B0	14	0	0	30	0
				DPL := B + Y; DPH.db := *DP; INCDPH.C	4	92	C8	42	30	0
				TBR := DBR + 0; USE(IC)	BB	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
74	STZ	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				*zDP := 0	FB	42	0	0	30	40
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
75	ADC	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	30	40
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
76	ROR	zpg,X	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	30	40
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*zDP := T	F5	42	0	0	30	40
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
77	ADC	(ind lsg),Y	7	B := *zDP; DPL += 1	B0	44	0	0	30	40
			vs	T := B + Y; DPH.db := *zDP; DPL +=1	54	C4	C8	40	30	40
			6	DPH := DPH + 0; USE(IC); TBR.db := *zDP	11	42	8	58	30	63
				TBR := TBR + 0; USE(IC)	BB	2	8	58	3	3
				DPL := T	5	2	8	40	0	0
				B := *DP	B0	12	0	0	20	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
78	SEI	imp	2	SETF(OPCODE 1); IR := *PC; PC += 1; END	B0	8	F9	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
79	ADC	abs,Y	5*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
			vs	TBR := DBR + 0; USE(IC)	BB	2	8	58	2	3
			4*	B := *DP	B0	12	0	0	20	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
7A	PLY	imp	4	SP += 1; B := *SP	B0	56	0	0	0	0
				B := *SP	B0	52	0	0	30	0
				Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0



7B	TDC	imp	2	BAR := DH; SETF(NZ); IR := *PC; PC += 1; END	BB	8	C	44	4	5
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
7C	JMP	(abs,x)	6	PCL := B + X; B := *PC	83	2	C8	40	0	0
				PCH := B + 0; USE(IC)	90	32	C8	18	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
				DPH := *PC; PC += 1	10	0	0	0	0	0
				IR := *DP; PC += 1; END	B0	18	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
7D	ADC	abs,X	5*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
			vs	TBR := DBR + 0; USE(IC)	BB	2	8	58	2	3
			4*	B := *DP	B0	12	0	0	20	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
7E	ROR	abs,X	7*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
			vs	TBR := DBR + 0; USE(IC)	BB	2	8	58	2	3
			6*	B := *DP; ML	C0	12	0	0	20	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*DP := T	F5	12	0	0	20	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
7F	ADC	abs lng,X	6	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
			vs	DPH := DPH + 0; USE(IC); TBR.db := *PC; PC +=1	11	0	8	58	0	23
			5*	TBR := TBR + 0; USE(IC)	BB	2	8	58	3	3
				B := *DP	B0	12	0	0	20	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
80	BRA	rel	3*	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
81	STA	X,ind	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP	10	42	0	0	30	40
				*DPt := A	F0	22	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
82	BRL	rel	4	DPL := PCL + B + 1; B := *PC	8	2	C8	48	0	0
				DPH := PCH + B; USE(IC); B := *PC; PC +=1	19	0	C8	58	0	0
				IR := *DP; PC += 1; END	B0	18	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
83	STA	d,s	5	DPL := B + SP	2	2	C8	40	0	0
			vs	DPH := 1	10	2	8	8	0	0
			4	*DP := A	F0	12	0	0	30	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0

				DPL := B := *PC; PC += 1	0	0	0	0	0	0
84	STY	zpg	3	*zDP := Y	F4	42	0	0	30	40
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
85	STA	zpg	3	*zDP := A	F0	42	0	0	30	40
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
86	STX	zpg	3	*zDP := X	F3	42	0	0	30	40
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
87	STA	zpg lng	6	T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP; DPL += 1	10	44	0	0	30	40
				TBR := *zDP	B0	42	0	0	30	43
				*DPt := A	F0	22	0	0	20	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
88	DEY	imp	2	Y := Y - 1; SETF(NZ); IR := *PC; PC += 1; END	44	8	FC	44	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
89	BIT	#	2	A AND B; SETF(Z); BIT; IR := *PC; PC += 1; END	B0	8	8B	34	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
8A	TXA	imp	2	A := X; SETF(NZ); IR := *PC; PC += 1; END	A3	8	C	44	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
8B	PHB	imp	3	*SP := DBR SP - = 1	BB	57	0	0	32	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
8C	STY	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				*DP := Y	F4	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
8D	STA	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				*DP := A	F0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
8E	STX	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				*DP := X	F3	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
8F	STA	abs lng	5	DPH := *PC; PC += 1	10	0	0	0	0	0
				TBR := *PC; PC += 1	B0	0	0	0	0	3
				*DP := A	F0	12	0	0	20	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0

				DPL := B := *PC; PC += 1	0	0	0	0	0	0
90	BCC	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
91	STA	ind,Y	6*	B := *zDP; DPL += 1	B0	44	0	0	30	40
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	30	40
				TBR := DBR + 0; USE(IC)	BB	2	8	58	2	3
				*DP := A	F0	12	0	0	20	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
92	STA	(zpg)	5	T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP	10	42	0	0	30	40
				*DPt := A	F0	22	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
93	STA	(d,s),Y	8*	DPL := B + SP	2	2	C8	40	0	0
			vs	DPH := 1	10	2	8	8	0	0
			7*	B := *DP; DPL += 1	B0	14	0	0	30	0
				DPL := B + Y; DPH.db := *DP; INCDPH.C	4	92	C8	42	30	0
				TBR := DBR + 0; USE(IC)	BB	2	8	58	2	3
				*DP := A	F0	12	0	0	20	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
94	STY	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				*zDP := Y	F4	42	0	0	30	40
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
95	STA	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				*zDP := A	F0	42	0	0	30	40
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
96	STX	zpg,Y	4	DPL := B + Y; B := *PBA	4	32	C8	40	0	0
				*zDP := X	F3	42	0	0	30	40
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
97	STA	(ind lnd),Y	8	B := *zDP; DPL += 1	B0	44	0	0	30	40
			vs	T := B + Y; DPH.db := *zDP; DPL +=1	54	C4	C8	40	30	40
			6	DPH := DPH + 0; USE(IC); TBR.db := *zDP	11	42	8	58	30	63
				TBR := TBR + 0; USE(IC)	BB	2	8	58	3	3
				DPL := T	5	2	8	40	0	0
				*DP := A	F0	12	0	0	20	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0

98	TYA	imp	2	A := Y; SETF(NZ); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	A4	8	C	44	0	0
99	STA	abs,Y	5*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C TBR := DBR + 0; USE(IC) *DP := A IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	4	80	C8	42	0	0
					BB	2	8	58	2	3
					F0	12	0	0	20	0
					0	8	0	4	0	0
					0	0	0	0	0	0
9A	TXS	imp	2	SP := X; IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	23	8	8	44	0	0
9B	TXY	imp	2	Y := X; SETF(NZ); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	43	8	C	44	0	0
9C	STZ	abs	4	DPH := *PC; PC += 1 *DP := 0 IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	10	0	0	0	0	0
					FB	12	0	0	10	0
					0	8	0	4	0	0
					0	0	0	0	0	0
9D	STA	abs,X	5*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C TBR := DBR + 0; USE(IC) *DP := A IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	3	80	C8	42	0	0
					BB	2	8	58	2	3
					F0	12	0	0	20	0
					0	8	0	4	0	0
					0	0	0	0	0	0
9E	STZ	abs,X	5	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C TBR := DBR + 0; USE(IC) *DP := 0 IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	3	80	C8	42	0	0
					BB	2	8	58	2	3
					FB	12	0	0	20	0
					0	8	0	4	0	0
					0	0	0	0	0	0
9F	STA	abs lng,X	6	DPL := B + X; DPH.db := *PC; PC += 1 vs DPH := DPH + 0; USE(IC); TBR.db := *PC; PC +=1 5* TBR := TBR + 0; USE(IC) *DP := A IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	3	80	C8	40	0	0
					11	0	8	58	0	23
					BB	2	8	58	3	3
					F0	12	0	0	20	0
					0	8	0	4	0	0
					0	0	0	0	0	0
A0	LDY	#	2	Y := B; SETF(NZ); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	40	8	CC	4	0	0
A1	LDA	X,ind	6	DPL := B + X; B := *PBA T := *zDP; DPL += 1 DPH := *zDP B := *DPt A := B; SETF(NZ); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	3	32	C8	40	0	0
					50	44	0	0	30	40
					10	42	0	0	30	40
					B0	22	0	0	10	0
					A0	8	CC	4	0	0
					0	0	0	0	0	0
A2	LDX	#	2	X := B; SETF(NZ); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	30	8	CC	4	0	0
A3	LDA	d,s	5	DPL := B + SP	2	2	C8	40	0	0

			vs	DPH := 1	10	2	8	8	0	0
			4	B := *DP	B0	12	0	0	30	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
A4	LDY	zpg	3	B := *zDP	B0	42	0	0	30	40
				Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
A5	LDA	zpg	3	B := *zDP	B0	42	0	0	30	40
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
A6	LDX	zpg	3	B := *zDP	B0	42	0	0	30	40
				X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
A7	LDA	zpg lng	6	T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP; DPL += 1	10	44	0	0	30	40
				TBR := *zDP	B0	42	0	0	30	43
				A := *DPt	F4	42	0	0	20	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
A8	TAY	imp	2	Y := A; SETF(NZ); IR := *PC; PC += 1; END	40	8	C	44	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
A9	LDA	#	2	A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
AA	TAX	imp	2	X := A; SETF(NZ); IR := *PC; PC += 1; END	30	42	0	0	10	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
AB	PLB	imp	4	SP += 1; B := *SP	B0	56	0	0	0	0
				B := *SP	B0	52	0	0	30	0
				DBR := B; SETF(NZ); IR := *PC; PC += 1; END	B0	8	CC	4	0	2
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
AC	LDY	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
AD	LDA	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
AE	LDX	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0

AF	LDA	abs lng	5	DPH := *PC; PC += 1	10	0	0	0	0	0
				TBR := *PC; PC += 1	B0	0	0	0	0	3
				B := *DP	B0	12	0	0	20	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B0	BCS	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B1	LDA	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	30	40
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	30	40
				TBR := DBR + 0; USE(IC)	BB	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B2	LDA	(zpg)	5	T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP	10	42	0	0	30	40
				B := *DPt	B0	22	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B3	LDA	(d,s),Y	8*	DPL := B + SP	2	2	C8	40	0	0
			vs	DPH := 1	10	2	8	8	0	0
			7*	B := *DP; DPL += 1	B0	14	0	0	30	0
				DPL := B + Y; DPH.db := *DP; INCDPH.C	4	92	C8	42	30	0
				TBR := DBR + 0; USE(IC)	BB	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B4	LDY	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	30	40
				Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B5	LDA	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	30	40
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B6	LDX	zpg,Y	4	DPL := B + Y; B := *PBA	4	32	C8	40	0	0
				B := *zDP	B0	42	0	0	30	40
				X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B7	LDA	(ind lng),Y	8	B := *zDP; DPL += 1	B0	44	0	0	30	40
			vs	T := B + Y; DPH.db := *zDP; DPL +=1	54	C4	C8	40	30	40
			6	DPH := DPH + 0; USE(IC); TBR.db := *zDP	11	42	8	58	30	63
				TBR := TBR + 0; USE(IC)	BB	2	8	58	3	3
				DPL := T	5	2	8	40	0	0

				B := *DP	B0	12	0	0	20	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B8	CLV	imp	2	SETF(OPCODE 0); IR := *PC; PC += 1; END	B0	8	9	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
B9	LDA	abs,Y	5*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				TBR := DBR + 0; USE(IC)	BB	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
BA	TSX	imp	2	X := SP; SETF(NZ); IR := *PC; PC += 1; END	32	8	C	44	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
BB	TYX	inp	2	X := Y; SETF(NZ); IR := *PC; PC += 1; END	34	8	C	44	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
BC	LDY	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				TBR := DBR + 0; USE(IC)	BB	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
BD	LDA	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				TBR := DBR + 0; USE(IC)	BB	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
BE	LDX	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				TBR := DBR + 0; USE(IC)	BB	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
BF	LDA	abs lng,X	6	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
			vs	DPH := DPH + 0; USE(IC); TBR.db := *PC; PC +=1	11	0	8	58	0	23
			5*	TBR := TBR + 0; USE(IC)	BB	2	8	58	3	3
				B := *DP	B0	12	0	0	20	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
C0	CPY	#	2	Y CMP B; SETF(NZC); IR := *PC; PC += 1; END	B4	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
C1	CMP	X,ind	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP	10	42	0	0	30	40
				B := *DPt	B0	22	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0

C2	REP	#	2	P := P AND !B; IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	77	8	28	4	0	0
C3	CMP	d,s	5	DPL := B + SP vs DPH := 1 4 B := *DP A CMP B; SETF(NZC); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	2	2	C8	40	0	0
					10	2	8	8	0	0
					B0	12	0	0	30	0
					B0	8	3D	4C	0	0
					0	0	0	0	0	0
C4	CPY	zpg	3	B := *zDP Y CMP B; SETF(NZC); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	B0	42	0	0	30	40
					B4	8	3D	4C	0	0
					0	0	0	0	0	0
C5	CMP	zpg	3	B := *zDP A CMP B; SETF(NZC); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	B0	42	0	0	30	40
					B0	8	3D	4C	0	0
					0	0	0	0	0	0
C6	DEC	zpg	5	B := *zDP; ML T := B - 1; SETF(NZ) *zDP := T IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	C0	42	0	0	30	40
					50	32	FC	80	0	0
					F5	42	0	0	30	40
					0	8	0	4	0	0
					0	0	0	0	0	0
C7	CMP	zpg lng	6	T := *zDP; DPL += 1 DPH := *zDP; DPL += 1 TBR := *zDP B := *DPt A CMP B; SETF(NZC); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	50	44	0	0	30	40
					10	44	0	0	30	40
					B0	42	0	0	30	43
					B0	22	0	0	20	0
					B0	8	3D	4C	0	0
					0	0	0	0	0	0
C8	INY	imp	2	Y := Y + 1; SETF(NZ); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	44	8	C	4C	0	0
					0	0	0	0	0	0
C9	CMP	#	2	A CMP B; SETF(NZC); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	B0	8	3D	4C	0	0
					0	0	0	0	0	0
CA	DEX	imp	2	X := X - 1; SETF(NZ); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	33	8	FC	44	0	0
					0	0	0	0	0	0
CB	WAI	imp	3	WAI; IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	D0	8	0	4	0	0
					0	0	0	0	0	0
CC	CPY	abs	4	DPH := *PC; PC += 1 B := *DP Y CMP B; SETF(NZC); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	10	0	0	0	0	0
					B0	12	0	0	10	0
					B4	8	3D	4C	0	0
					0	0	0	0	0	0
CD	CMP	abs	4	DPH := *PC; PC += 1 B := *DP A CMP B; SETF(NZC); IR := *PC; PC += 1; END DPL := B := *PC; PC += 1	10	0	0	0	0	0
					B0	12	0	0	10	0
					B0	8	3D	4C	0	0
					0	0	0	0	0	0



CE	DEC	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := B - 1; SETF(NZ)	50	32	FC	80	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
CF	CMP	abs lng	5	DPH := *PC; PC += 1	10	0	0	0	0	0
				TBR := *PC; PC += 1	B0	0	0	0	0	3
				B := *DP	B0	12	0	0	20	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
D0	BNE	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
D1	CMP	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	30	40
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	30	40
				TBR := DBR + 0; USE(IC)	BB	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
D2	CMP	(zpg)	5	T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP	10	42	0	0	30	40
				B := *DPt	B0	22	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
D3	CMP	(d,s),Y	8*	DPL := B + SP	2	2	C8	40	0	0
			vs	DPH := 1	10	2	8	8	0	0
			7*	B := *DP; DPL += 1	B0	14	0	0	30	0
				DPL := B + Y; DPH.db := *DP; INCDPH.C	4	92	C8	42	30	0
				TBR := DBR + 0; USE(IC)	BB	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
D4	PEI	imm	6	T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP	10	42	0	0	30	40
				*SP := DPH; SP -= 1	F1	57	0	0	30	0
				*SP := T; SP -= 1	F5	57	0	0	30	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
D5	CMP	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	30	40
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
D6	DEC	zpg,X	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0

				B := *zDP; ML	C0	42	0	0	30	40
				T := B - 1; SETF(NZ)	50	32	FC	80	0	0
				*zDP := T	F5	42	0	0	30	40
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
D7	CMP	(ind lnq)Y	8	B := *zDP; DPL += 1	B0	44	0	0	30	40
			vs	T := B + Y; DPH.db := *zDP; DPL +=1	54	C4	C8	40	30	40
			6	DPH := DPH + 0; USE(IC); TBR.db := *zDP	11	42	8	58	30	63
				TBR := TBR + 0; USE(IC)	BB	2	8	58	3	3
				DPL := T	5	2	8	40	0	0
				B := *DP	B0	12	0	0	20	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
D8	CLD	imp	2	SETF(OPCODE 0); IR := *PC; PC += 1; END	B0	8	9	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
D9	CMP	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				TBR := DBR + 0; USE(IC)	BB	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
DA	PHX	imp	3	*SP := X; SP -= 1	F3	57	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
DB	STP	imp	3	STP; IR := *PC; PC += 1; END	BD	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
DC	JMP	(abs lnq)	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				DPL := *DP; PC += 1	0	10	0	0	0	0
				DPH := *PC; PC += 1	10	0	0	0	0	0
				PBR := *PC; PC += 1	B0	0	0	0	0	1
				IR := *DP; PC += 1; END	B0	18	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
DD	CMP	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				TBR := DBR + 0; USE(IC)	BB	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
DE	DEC	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *PBA	11	32	8	58	0	0
				TBR := DBR + 0; USE(IC)	BB	2	8	58	2	3
				B := *DP; ML	C0	12	0	0	20	0
				T := B - 1; SETF(NZ)	50	32	FC	80	0	0
				*DP := T	F5	12	0	0	20	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0

DF	CMP	abs lng,X	6	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
			vs	DPH := DPH + 0; USE(IC); TBR.db := *PC; PC +=1	11	0	8	58	0	23
			5*	TBR := TBR + 0; USE(IC)	BB	2	8	58	3	3
				B := *DP	B0	12	0	0	20	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E0	CPX	#	2	X CMP B; SETF(NZC); IR := *PC; PC += 1; END	B3	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E1	SBC	X,ind	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP	10	42	0	0	30	40
				B := *DPt	B0	22	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E2	SEP	#	2	P := P OR B; IR := *PC; PC += 1; END	77	8	E8	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E3	SBC	d,s	5	DPL := B + SP	2	2	C8	40	0	0
			vs	DPH := 1	10	2	8	8	0	0
			4	B := *DP	B0	12	0	0	30	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E4	CPX	zpg	3	B := *zDP	B0	42	0	0	30	40
				X CMP B; SETF(NZC); IR := *PC; PC += 1; END	B3	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E5	SBC	zpg	3	B := *zDP	B0	42	0	0	30	40
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E6	INC	zpg	5	B := *zDP; ML	C0	42	0	0	30	40
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*zDP := T	F5	42	0	0	30	40
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E7	SBC	zpg lng	6	T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP; DPL += 1	10	44	0	0	30	40
				TBR := *zDP	B0	42	0	0	30	43
				B := *DPt	B0	22	0	0	20	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E8	INX	imp	2	X := X + 1; SETF(NZ); IR := *PC; PC += 1; END	33	8	C	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
E9	SBC	#	2	A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0

EA	NOP	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
EB	XBA	imp	4	T := BAR	5C	2	8	40	5	0
				BAR := A	B0	2	8	40	0	5
				A := T; IR := *PC; PC += 1; END	A5	8	8	44	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
EC	CPX	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				X CMP B; SETF(NZC); IR := *PC; PC += 1; END	B3	8	3D	4C	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
ED	SBC	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
EE	INC	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
EF	SBC	abs lng	5	DPH := *PC; PC += 1	10	0	0	0	0	0
				TBR := *PC; PC += 1	B0	0	0	0	0	3
				B := *DP	B0	12	0	0	20	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F0	BEQ	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F1	SBC	ind,Y	6*	B := *zDP; DPL += 1	B0	44	0	0	30	40
			vs	DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	30	40
			5*	TBR := DBR + 0; USE(IC)	BB	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F2	SBC	(zpg)	5	T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP	10	42	0	0	30	40
				B := *DPt	B0	22	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F3	SBC	(d,s),Y	8*	DPL := B + SP	2	2	C8	40	0	0
			vs	DPH := 1	10	2	8	8	0	0
			7*	B := *DP; DPL += 1	B0	14	0	0	30	0
				DPL := B + Y; DPH.db := *DP; INCDPH.C	4	92	C8	42	30	0

				TBR := DBR + 0; USE(IC)	BB	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F4	PEA	imp	5	DPH := *PC; PC += 1	10	0	0	0	0	0
				*SP := DPH; SP -= 1	F1	57	0	0	30	0
				*SP := DPL; SP -= 1	FA	57	0	0	30	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F5	SBC	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	30	40
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F6	INC	zpg,X	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	30	40
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*zDP := T	F5	42	0	0	30	40
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F7	SBC	(ind log)Y	8	B := *zDP; DPL += 1	B0	44	0	0	30	40
			vs	T := B + Y; DPH.db := *zDP; DPL +=1	54	C4	C8	40	30	40
			6	DPH := DPH + 0; USE(IC); TBR.db := *zDP	11	42	8	58	30	63
				TBR := TBR + 0; USE(IC)	BB	2	8	58	3	3
				DPL := T	5	2	8	40	0	0
				B := *DP	B0	12	0	0	20	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F8	SED	imp	2	SETF(OPCODE 1); IR := *PC; PC += 1; END	B0	8	F9	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
F9	SBC	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				TBR := DBR + 0; USE(IC)	BB	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
FA	PLX	imp	4	SP += 1; B := *SP	B0	56	0	0	0	0
				B := *SP	B0	52	0	0	30	0
				X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
FB	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
FC	JSR	(abs,x)	8	*SP := PCH; SP -= 1	F9	57	0	0	30	0
			vs	*SP := PCL; SP -= 1	F8	57	0	0	30	0
			6	PCL := B + X; B := *PC	83	2	C8	40	0	0
				PCH := B + 0; USE(IC)	90	32	C8	18	0	0

				DPL := B := *PC; PC += 1	0	0	0	0	0	0
				DPH := *PC; PC += 1	10	0	0	0	0	0
				IR := *DP; PC += 1; END	B0	18	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
FD	SBC	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				TBR := DBR + 0; USE(IC)	BB	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
FE	INC	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *PBA	11	32	8	58	0	0
				TBR := DBR + 0; USE(IC)	BB	2	8	58	2	3
				B := *DP; ML	C0	12	0	0	20	0
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*DP := T	F5	12	0	0	20	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
FF	SBC	abs lng,X	6	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
		vs		DPH := DPH + 0; USE(IC); TBR.db := *PC; PC +=1	11	0	8	58	0	23
		5*		TBR := TBR + 0; USE(IC)	BB	2	8	58	3	3
				B := *DP	B0	12	0	0	20	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
00	BRK	"Sig"	7	*SP := PCH; SP -- 1	F9	57	0	0	10	0
				*SP := PCL; SP -- 1	F8	57	0	0	10	0
				*SP := P; SP -- 1; PBR.CLR	F7	57	0	0	10	10
				PCL := *fCP; DPL += 1	80	74	0	0	0	0
				PCH := *fDP; SETF(SEI/CLD)	90	62	2	0	0	0
				IR := *PC; PC += 1; END.INT	0	8	0	6	0	0
01	ORA	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
02	KIL	imp	2	STP; IR := *PC; PC += 1; END	BD	8	0	4	0	0
03	SLO	X,ind	8	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				DPL := 0 ASL B; SETF(NZC)	B	32	CD	80	0	0
				*DPt := DPL	FA	22	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
04	LDD	zpg	3	B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0

05	ORA	zpg	3	B := *zDP	B0	42	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
06	ASL	zpg	5	B := *zDP	B0	42	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
07	SLO	zpg	5	B := *zDP	B0	42	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*zDP := T	F5	42	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
08	PHP	imp	3	*SP := P; SP -= 1	F7	57	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
09	ORA	#	2	A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
0A	ASL	A	2	A := A ASL 0; SETF(NZC); IR := *PC; PC += 1; END	A0	8	AD	44	0	0
0B	ANC	#	2	A := A AND B; SETF(NZC); IR := *PC; PC += 1; END.ARNC	A0	8	8D	7	0	0
0C	LDD	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
0D	ORA	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
0E	ASL	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
0F	SLO	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*DP := T	F5	12	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
10	BPL	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
11	ORA	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
12	KIL	imp	3	STP; IR := *PC; PC += 1; END	BD	8	0	4	0	0

13	SLO	ind,Y	8	B := *zDP; DPL += 1	B0	44	0	0	10	0
				T := B + Y; DPH.db := *zDP	54	C2	C8	40	10	0
				DPH := DPH + 0; USE(IC); B := *DPt	11	22	8	58	0	0
				B := *DPt	B0	22	0	0	10	0
				DPL := 0 ASL B; SETF(NZC)	B	32	CD	80	0	0
				*DPt := DPL	FA	22	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
14	LDD	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
15	ORA	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
16	ASL	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
17	SLO	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*zDP := T	F5	42	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
18	CLC	imp	2	SETF(OPCODE 0); IR := *PC; PC += 1; END	B0	8	9	4	0	0
19	ORA	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
1A	NOP	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
1B	SLO	abs,Y	7	DPL := B + Y; DPH.db := *PC; PC += 1	4	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*DP := T	F5	12	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
1C	LDD	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
1D	ORA	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
1E	ASL	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0



				B := *DP	B0	12	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
1F	SLO	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*DP := T	F5	12	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
20	JSR	abs	6	B := *SP	B0	52	0	0	10	0
				*SP := PCH; SP -= 1	F9	57	0	0	10	0
				*SP := PCL; SP -= 1	F8	57	0	0	10	0
				DPH := *PC; PC += 1	10	0	0	0	0	0
				IR := *DP; PC += 1; END	B0	18	0	4	0	0
21	AND	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
22	KIL	imp	3	STP; IR := *PC; PC += 1; END	BD	8	0	4	0	0
23	RLA	X,ind	8	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				DPL := 0 ROL B; SETF(NZC)	B	32	CD	90	0	0
				*DPt := DPL	FA	22	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
24	BIT	zpg	3	B := *zDP	B0	42	0	0	10	0
				A AND B; SETF(NZV); BIT; IR := *PC; PC += 1; END	B0	8	8F	34	0	0
25	AND	zpg	3	B := *zDP	B0	42	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
26	ROL	zpg	5	B := *zDP	B0	42	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
27	RLA	zpg	5	B := *zDP	B0	42	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*zDP := T	F5	42	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
28	PLP	imp	4	SP += 1; B := *SP	B0	56	0	0	0	0
				P := *SP	70	52	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0

29	AND	#	2	A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
2A	ROL	A	2	A := A ROL 0; SETF(NZC); IR := *PC; PC += 1; END	A0	8	AD	54	0	0
2B	ANC	#	2	A := A AND B; SETF(NZC); IR := *PC; PC += 1; END.ARNC	A0	8	8D	7	0	0
2C	BIT	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A AND B; SETF(NZV); BIT; IR := *PC; PC += 1; END	B0	8	8F	34	0	0
2D	AND	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
2E	ROL	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
2F	RLA	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*DP := T	F5	12	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
30	BMI	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
31	AND	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
32	KIL	imp	3	STP; IR := *PC; PC += 1; END	BD	8	0	4	0	0
33	RLA	ind,Y	8	B := *zDP; DPL += 1	B0	44	0	0	10	0
				T := B + Y; DPH.db := *zDP	54	C2	C8	40	10	0
				DPH := DPH + 0; USE(IC); B := *DPt	11	22	8	58	0	0
				B := *DPt	B0	22	0	0	10	0
				DPL := 0 ROL B; SETF(NZC)	B	32	CD	90	0	0
				*DPt := DPL	FA	22	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
34	LDD	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
35	AND	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0

36	ROL	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
37	RLA	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*zDP := T	F5	42	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
38	SEC	imp	2	SETF(OPCODE 1); IR := *PC; PC += 1; END	B0	8	F9	4	0	0
39	AND	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
3A	NOP	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
3B	RLA	abs,Y	7	DPL := B + Y; DPH.db := *PC; PC += 1	4	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*DP := T	F5	12	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
3C	LDD	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
3D	AND	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
3E	ROL	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
3F	RLA	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*DP := T	F5	12	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
40	RTI	imp	6	SP += 1; B := *SP	B0	56	0	0	0	0
				P := *SP; SP += 1	70	56	0	0	10	0
				PCL := *SP; SP += 1	80	56	0	0	10	0

				PCH := *SP	90	52	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
41	EOR	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
42	CFG	#	4	T := A	50	2	8	40	0	0
				A := CFG	AC	2	8	40	6	0
				CFG := T; IR := *PC; PC += 1; END	B5	8	8	44	0	6
43	SRE	X,ind	8	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				DPL := 0 LSR B; SETF(NZC)	B	32	CD	20	0	0
				*DPt := DPL	FA	22	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
44	LDD	zpg	3	B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
45	EOR	zpg	3	B := *zDP	B0	42	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
46	LSR	zpg	5	B := *zDP	B0	42	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
47	SRE	zpg	5	B := *zDP	B0	42	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*zDP := T	F5	42	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
48	PHA	imp	3	*SP := A; SP -= 1	F0	57	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
49	EOR	#	2	A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
4A	LSR	A	2	A := A LSR 0; SETF(NZC); IR := *PC; PC += 1; END	A0	8	AD	24	0	0
4B	ALR	#	2	A := A ALR B; SETF(NZC); IR := *PC; PC += 1; END	A0	8	8D	24	0	0
4C	JMP	abs	3	DPH := *PC; PC += 1	10	0	0	0	0	0
				IR := *DP; PC += 1; END	B0	18	0	4	0	0
4D	EOR	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0

4E	LSR	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
4F	SRE	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*DP := T	F5	12	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
50	BVC	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
51	EOR	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
52	KIL	imp	3	STP; IR := *PC; PC += 1; END	BD	8	0	4	0	0
53	SRE	ind,Y	8	B := *zDP; DPL += 1	B0	44	0	0	10	0
				T := B + Y; DPH.db := *zDP	54	C2	C8	40	10	0
				DPH := DPH + 0; USE(IC); B := *DPt	11	22	8	58	0	0
				B := *DPt	B0	22	0	0	10	0
				DPL := 0 LSR B; SETF(NZC)	B	32	CD	20	0	0
				*DPt := DPL	FA	22	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
54	LDD	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
55	EOR	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
56	LSR	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
57	SRE	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*zDP := T	F5	42	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
58	CLI	imp	2	SETF(OPCODE 0); IR := *PC; PC += 1; END	B0	8	9	4	0	0

59	EOR	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
5A	NOP	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
5B	SRE	abs,Y	7	DPL := B + Y; DPH.db := *PC; PC += 1	4	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*DP := T	F5	12	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
5C	LDD	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
5D	EOR	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
5E	LSR	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
5F	SRE	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*DP := T	F5	12	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
60	RTS	imp	6	SP += 1; B := *SP	B0	56	0	0	0	0
				PCL := *SP; SP += 1	80	56	0	0	10	0
				PCH := *SP	90	52	0	0	10	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
61	ADC	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
62	KIL	imp	3	STP; IR := *PC; PC += 1; END	BD	8	0	4	0	0
63	RRA	X,ind	8	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0

				DPL := 0 ROR B; SETF(NZC)	B	32	CD	28	0	0
				*DPt := DPL	FA	22	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
64	LDD	zpg	3	B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
65	ADC	zpg	3	B := *zDP	B0	42	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
66	ROR	zpg	5	B := *zDP	B0	42	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
67	RRA	zpg	5	B := *zDP	B0	42	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*zDP := T	F5	42	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
68	PLA	imp	4	SP += 1; B := *SP	B0	56	0	0	0	0
				B := *SP	B0	52	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
69	ADC	#	2	A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
6A	ROR	A	2	A := A ROR 0; SETF(NZC); IR := *PC; PC += 1; END	A0	8	AD	2C	0	0
6B	ARR	#	2	A := A AND B ROR; SETF(NZCV); IR := *PC; PC += 1; END.A	A0	8	8E	2F	0	0
6C	JMP	(abs)	5	DPH := *PC; PC += 1	10	0	0	0	0	0
				PCL := *DP; DPL += 1	80	14	0	0	0	0
				PCH := *DP	90	12	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
6D	ADC	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
6E	ROR	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
6F	RRA	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*DP := T	F5	12	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
70	BVS	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0

				IR := *PC; PC += 1; END	0	8	0	4	0	0
71	ADC	ind,y	5	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
72	KIL	imp	3	STP; IR := *PC; PC += 1; END	BD	8	0	4	0	0
73	RRA	ind,Y	8	B := *zDP; DPL += 1	B0	44	0	0	10	0
				T := B + Y; DPH.db := *zDP	54	C2	C8	40	10	0
				DPH := DPH + 0; USE(IC); B := *DPt	11	22	8	58	0	0
				B := *DPt	B0	22	0	0	10	0
				DPL := 0 ROR B; SETF(NZC)	B	32	CD	28	0	0
				*DPt := DPL	FA	22	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
74	LDD	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
75	ADC	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
76	ROR	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
77	RRA	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*zDP := T	F5	42	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
78	SEI	imp	2	SETF(OPCODE 1); IR := *PC; PC += 1; END	B0	8	F9	4	0	0
79	ADC	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
7A	NOP	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
7B	RRA	abs,Y	7	DPL := B + Y; DPH.db := *PC; PC += 1	4	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*DP := T	F5	12	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
7C	LDD	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0



				B := *DP	B0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
7D	ADC	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
7E	ROR	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
7F	RRA	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*DP := T	F5	12	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
80	LDD	imm	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
81	STA	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				*DPt := A	F0	22	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
82	LDD	imm	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
83	SAX	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				*DPt := A&X	FE	22	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
84	STY	zpg	3	*zDP := Y	F4	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
85	STA	zpg	3	*zDP := A	F0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
86	STX	zpg	3	*zDP := X	F3	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
87	SAX	zpg	3	*zDP := A&X	FE	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
88	DEY	imp	2	Y := Y - 1; SETF(NZ); IR := *PC; PC += 1; END	44	8	FC	44	0	0
89	LDD	imm	2	IR := *PC; PC += 1; END	0	8	0	4	0	0

8A	TXA	imp	2	A := X; SETF(NZ); IR := *PC; PC += 1; END	A3	8	C	44	0	0
8B	XAA	#	2	A := X AND B; SETF(NZ); IR := *PC; PC += 1; END	A3	8	8C	4	0	0
8C	STY	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				*DP := Y	F4	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
8D	STA	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				*DP := A	F0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
8E	STX	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				*DP := X	F3	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
8F	SAX	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				*DP := A&X	FE	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
90	BCC	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
91	STA	ind,Y	6	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP	4	C2	C8	40	10	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				*DP := A	F0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
92	KIL	imp	3	STP; IR := *PC; PC += 1; END	BD	8	0	4	0	0
93	AHX	ind,Y	6	B := *zDP; DPL += 1	B0	44	0	0	10	0
				T := B + Y; DPH.db := *zDP	54	C2	C8	40	10	0
				DPH := DPH + 0; USE(IC); B := *DPt	11	22	8	58	0	0
				*DPt := A&X AND DPH+1	EE	22	80	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
94	STY	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				*zDP := Y	F4	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
95	STA	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				*zDP := A	F0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
96	STX	zpg,Y	4	DPL := B + Y; B := *zDP	4	42	C8	40	0	0
				*zDP := X	F3	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
97	SAX	zpg,Y	4	DPL := B + Y; B := *zDP	4	42	C8	40	0	0
				*zDP := A&X	FE	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0

98	TYA	imp	2	A := Y; SETF(NZ); IR := *PC; PC += 1; END	A4	8	C	44	0	0
99	STA	abs,Y	5	DPL := B + Y; B := *PC; PC += 1	4	0	C8	40	0	0
				DPH := B + 0; USE(IC); B := *DP	10	12	C8	18	0	0
				*DP := A	F0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
9A	TXS	imp	2	SP := X; IR := *PC; PC += 1; END	23	8	8	44	0	0
9B	TAS	abs,Y	5	DPL := B + Y; DPH.db := *PC; PC += 1	4	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				*DP := A&X AND DPH+1	EE	12	80	0	10	0
				SP := A&X; IR := *PC; PC += 1; END	2E	8	8	44	0	0
9C	SHY	abs,X	5	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				*DP := Y AND DPH+1	E4	12	80	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
9D	STA	abs,X	5	DPL := B + X; B := *PC; PC += 1	3	0	C8	40	0	0
				DPH := B + 0; USE(IC); B := *DP	10	12	C8	18	0	0
				*DP := A	F0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
9E	SHX	abs,Y	05	DPL := B + Y; DPH.db := *PC; PC += 1	4	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				*DP := X AND DPH+1	E3	12	80	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
9F	AHX	abs,Y	5	DPL := B + Y; DPH.db := *PC; PC += 1	4	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				*DP := A&X AND DPH+1	EE	12	80	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
A0	LDY	#	2	Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
A1	LDA	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
A2	LDX	#	2	X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
A3	LAX	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				X := *DPt	30	22	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
A4	LDY	zpg	3	B := *zDP	B0	42	0	0	10	0
				Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0

A5	LDA	zpg	3	B := *zDP A := B; SETF(NZ); IR := *PC; PC += 1; END	B0	42	0	0	10	0
					A0	8	CC	4	0	0
A6	LDX	zpg	3	B := *zDP X := B; SETF(NZ); IR := *PC; PC += 1; END	B0	42	0	0	10	0
					30	8	CC	4	0	0
A7	LAX	zpg	3	X := *zDP A := B; SETF(NZ); IR := *PC; PC += 1; END	30	42	0	0	10	0
					A0	8	CC	4	0	0
A8	TAY	imp	2	Y := A; SETF(NZ); IR := *PC; PC += 1; END	40	8	C	44	0	0
A9	LDA	#	2	A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
AA	TAX	imp	2	X := A; SETF(NZ); IR := *PC; PC += 1; END	30	42	0	0	10	0
AB	LXA	#	3	X := B A := X; SETF(NZ); IR := *PC; PC += 1; END	30	2	C8	0	0	0
					A3	8	C	44	0	0
AC	LDY	abs	4	DPH := *PC; PC += 1 B := *DP Y := B; SETF(NZ); IR := *PC; PC += 1; END	10	0	0	0	0	0
					B0	12	0	0	10	0
					40	8	CC	4	0	0
AD	LDA	abs	4	DPH := *PC; PC += 1 B := *DP A := B; SETF(NZ); IR := *PC; PC += 1; END	10	0	0	0	0	0
					B0	12	0	0	10	0
					A0	8	CC	4	0	0
AE	LDX	abs	4	DPH := *PC; PC += 1 B := *DP X := B; SETF(NZ); IR := *PC; PC += 1; END	10	0	0	0	0	0
					B0	12	0	0	10	0
					30	8	CC	4	0	0
AF	LAX	abs	4	DPH := *PC; PC += 1 X := *DP A := B; SETF(NZ); IR := *PC; PC += 1; END	10	0	0	0	0	0
					30	12	0	0	10	0
					A0	8	CC	4	0	0
B0	BCS	rel	2**	PCL := PCL + B; EXIT.CC PCH = PCH + signextend(*); USE(IC) IR := *PC; PC += 1; END	88	2	C8	41	0	0
					99	2	C8	78	0	0
					0	8	0	4	0	0
B1	LDA	ind,Y	5*	B := *zDP; DPL += 1 DPL := B + Y; DPH.db := *zDP; INCDPH.C B := *DP A := B; SETF(NZ); IR := *PC; PC += 1; END	B0	44	0	0	10	0
					4	C2	C8	42	10	0
					B0	12	0	0	10	0
					A0	8	CC	4	0	0
B2	KIL	imp	3	STP; IR := *PC; PC += 1; END	BD	8	0	4	0	0
B3	LAX	ind,Y	5*	B := *zDP; DPL += 1 DPL := B + Y; DPH.db := *zDP; INCDPH.C X := *DP A := B; SETF(NZ); IR := *PC; PC += 1; END	B0	44	0	0	10	0
					4	C2	C8	42	10	0
					30	12	0	0	10	0
					A0	8	CC	4	0	0
B4	LDY	zpg,X	4	DPL := B + X; B := *zDP B := *zDP	3	42	C8	40	0	0
					B0	42	0	0	10	0

				Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
B5	LDA	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
B6	LDX	zpg,Y	4	DPL := B + Y; B := *zDP	4	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
B7	LAX	zpg,Y	4	DPL := B + Y; B := *zDP	4	42	C8	40	0	0
				X := *zDP	30	42	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
B8	CLV	imp	2	SETF(OPCODE 0); IR := *PC; PC += 1; END	B0	8	9	4	0	0
B9	LDA	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
BA	TSX	imp	2	X := SP; SETF(NZ); IR := *PC; PC += 1; END	32	8	C	44	0	0
BB	LAS	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				AXS := SP AND B; SETF(NZ); IR := *PC; PC += 1; END	62	8	8C	4	0	0
BC	LDY	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
BD	LDA	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
BE	LDX	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
BF	LAX	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				X := *DP	30	12	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
C0	CPY	#	2	Y CMP B; SETF(NZC); IR := *PC; PC += 1; END	B4	8	3D	4C	0	0
C1	CMP	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
C2	LDD	imm	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
C3	DCP	X,ind	8	DPL := B + X; B := *zDP	3	42	C8	40	0	0

				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				DPL := B - 1; SETF(NZ)	B	32	FC	80	0	0
				*DPt := DPL	FA	22	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
C4	CPY	zpg	3	B := *zDP	B0	42	0	0	10	0
				Y CMP B; SETF(NZC); IR := *PC; PC += 1; END	B4	8	3D	4C	0	0
C5	CMP	zpg	3	B := *zDP	B0	42	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
C6	DEC	zpg	5	B := *zDP	B0	42	0	0	10	0
				T := B - 1; SETF(NZ)	50	32	FC	80	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
C7	DCP	zpg	5	B := *zDP	B0	42	0	0	10	0
				T := B - 1; SETF(NZ)	50	32	FC	80	0	0
				*zDP := T	F5	42	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
C8	INY	imp	2	Y := Y + 1; SETF(NZ); IR := *PC; PC += 1; END	44	8	C	4C	0	0
C9	CMP	#	2	A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
CA	DEX	imp	2	X := X - 1; SETF(NZ); IR := *PC; PC += 1; END	33	8	FC	44	0	0
CB	AXS	imm	2	X := A&X SBC1 B; SETF(NZC); IR := *PC; PC += 1; END	3E	8	3D	4C	0	0
CC	CPY	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				Y CMP B; SETF(NZC); IR := *PC; PC += 1; END	B4	8	3D	4C	0	0
CD	CMP	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
CE	DEC	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				T := B - 1; SETF(NZ)	50	32	FC	80	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
CF	DCP	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				T := B - 1; SETF(NZ)	50	32	FC	80	0	0
				*DP := T	F5	12	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
D0	BNE	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0

				IR := *PC; PC += 1; END	0	8	0	4	0	0
D1	CMP	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
D2	KIL	imp	3	STP; IR := *PC; PC += 1; END	BD	8	0	4	0	0
D3	DCP	ind,Y	8	B := *zDP; DPL += 1	B0	44	0	0	10	0
				T := B + Y; DPH.db := *zDP	54	C2	C8	40	10	0
				DPH := DPH + 0; USE(IC); B := *DPt	11	22	8	58	0	0
				B := *DPt	B0	22	0	0	10	0
				DPL := B - 1; SETF(NZ)	B	32	FC	80	0	0
				*DPt := DPL	FA	22	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
D4	LDD	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
D5	CMP	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
D6	DEC	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				T := B - 1; SETF(NZ)	50	32	FC	80	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
D7	DCP	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				T := B - 1; SETF(NZ)	50	32	FC	80	0	0
				*zDP := T	F5	42	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
D8	CLD	imp	2	SETF(OPCODE 0); IR := *PC; PC += 1; END	B0	8	9	4	0	0
D9	CMP	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
DA	NOP	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
DB	DCP	abs,Y	7	DPL := B + Y; DPH.db := *PC; PC += 1	4	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := B - 1; SETF(NZ)	50	32	FC	80	0	0
				*DP := T	F5	12	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
DC	LDD	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0

				B := *DP	B0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
DD	CMP	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
DE	DEC	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := B - 1; SETF(NZ)	50	32	FC	80	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
DF	DCP	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := B - 1; SETF(NZ)	50	32	FC	80	0	0
				*DP := T	F5	12	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
E0	CPX	#	2	X CMP B; SETF(NZC); IR := *PC; PC += 1; END	B3	8	3D	4C	0	0
E1	SBC	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
E2	LDD	imm	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
E3	ISC	X,ind	8	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				DPL := B + 1; SETF(NZ)	0	32	C	88	0	0
				*DPt := DPL	FA	22	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
E4	CPX	zpg	3	B := *zDP	B0	42	0	0	10	0
				X CMP B; SETF(NZC); IR := *PC; PC += 1; END	B3	8	3D	4C	0	0
E5	SBC	zpg	3	B := *zDP	B0	42	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
E6	INC	zpg	5	B := *zDP	B0	42	0	0	10	0
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
E7	ISC	zpg	5	B := *zDP	B0	42	0	0	10	0
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*zDP := T	F5	42	0	0	10	0



				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
E8	INX	imp	2	X := X + 1; SETF(NZ); IR := *PC; PC += 1; END	33	8	C	4C	0	0
E9	SBC	#	2	A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
EA	NOP	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
EB	SBC	#	2	A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
EC	CPX	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				X CMP B; SETF(NZC); IR := *PC; PC += 1; END	B3	8	3D	4C	0	0
ED	SBC	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
EE	INC	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
EF	ISC	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*DP := T	F5	12	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
F0	BEQ	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
F1	SBC	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
F2	KIL	imp	3	STP; IR := *PC; PC += 1; END	BD	8	0	4	0	0
F3	ISC	ind,Y	8	B := *zDP; DPL += 1	B0	44	0	0	10	0
				T := B + Y; DPH.db := *zDP	54	C2	C8	40	10	0
				DPH := DPH + 0; USE(IC); B := *DPt	11	22	8	58	0	0
				B := *DPt	B0	22	0	0	10	0
				DPL := B + 1; SETF(NZ)	0	32	C	88	0	0
				*DPt := DPL	FA	22	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
F4	LDD	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0

F5	SBC	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
F6	INC	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
F7	ISC	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*zDP := T	F5	42	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
F8	SED	imp	2	SETF(OPCODE 1); IR := *PC; PC += 1; END	B0	8	F9	4	0	0
F9	SBC	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
FA	NOP	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
FB	ISC	abs,Y	7	DPL := B + Y; DPH.db := *PC; PC += 1	4	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*DP := T	F5	12	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
FC	LDD	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
FD	SBC	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
FE	INC	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
FF	ISC	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*DP := T	F5	12	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0

00	BRK	"Sig"	7	*SP := PCH; SP -= 1	F9	57	0	0	10	0
				*SP := PCL; SP -= 1	F8	57	0	0	10	0
				*SP := P; SP -= 1; PBR.CLR	F7	57	0	0	10	10
				PCL := *fCP; DPL += 1	80	74	0	0	0	0
				PCH := *fDP; SETF(SEI/CLD)	90	62	2	0	0	0
				IR := *PC; PC += 1; END.INT	0	8	0	6	0	0
01	ORA	X,ind	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
02	LDD	#	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
03	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
04	TSB	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				B := *zDP; T := A OR B	50	42	E8	0	10	0
				*zDP := T	F5	42	0	0	10	0
				A AND B; SETF(Z); IR := *PC; PC += 1; END	B0	8	8B	4	0	0
05	ORA	zpg	3	B := *zDP	B0	42	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
06	ASL	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
07	RMB0	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := BCG AND B;	5F	2	88	0	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
08	PHP	imp	3	*SP := P; SP -= 1	F7	57	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
09	ORA	#	2	A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
0A	ASL	A	2	A := A ASL 0; SETF(NZC); IR := *PC; PC += 1; END	A0	8	AD	44	0	0
0B	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
0C	TSB	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				B := *DP; T := A OR B	50	12	E8	0	10	0
				*DP := T	F5	12	0	0	10	0
				A AND B; SETF(Z); IR := *PC; PC += 1; END	B0	8	8B	4	0	0
0D	ORA	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0

0E	ASL	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
0F	BBR0	zp,rel	5*	B := *zDP;	B0	42	0	0	10	0
				T := !B; B := *PC; PC += 1; EXIT.BTF	50	0	38	3	0	0
				PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	90	32	C8	18	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
10	BPL	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
11	ORA	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
12	ORA	(zpg)	5	T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
13	NOP1			IR := *PC; PC += 1; END	0	8	0	4	0	0
14	TRB	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				B := *zDP; T := !A AND B	50	42	48	0	10	0
				*zDP := T	F5	42	0	0	10	0
				A AND B; SETF(Z); IR := *PC; PC += 1; END	B0	8	8B	4	0	0
15	ORA	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
16	ASL	zpg,X	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
17	RMB1	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := BCG AND B;	5F	2	88	0	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
18	CLC	imp	2	SETF(OPCODE 0); IR := *PC; PC += 1; END	B0	8	9	4	0	0
19	ORA	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0

				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
1A	INC	A	2	A := A + 1; SETF(NZ); IR := *PC; PC += 1; END	A0	8	C	4C	0	0
1B	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
1C	TRB	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				B := *DP; T := !A AND B	50	12	48	0	10	0
				*DP := T	F5	12	0	0	10	0
				A AND B; SETF(Z); IR := *PC; PC += 1; END	B0	8	8B	4	0	0
1D	ORA	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
1E	ASL	abs,X	6*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
1F	BBR1	zp,rel	5*	B := *zDP;	B0	42	0	0	10	0
				T := !B; B := *PC; PC += 1; EXIT.BTF	50	0	38	3	0	0
				PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	90	32	C8	18	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
20	JSR	abs	6	B := *SP	B0	52	0	0	10	0
				*SP := PCH; SP -= 1	F9	57	0	0	10	0
				*SP := PCL; SP -= 1	F8	57	0	0	10	0
				DPH := *PC; PC += 1	10	0	0	0	0	0
				IR := *DP; PC += 1; END	B0	18	0	4	0	0
21	AND	X,ind	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
22	LDD	#	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
23	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
24	BIT	zpg	3	B := *zDP	B0	42	0	0	10	0
				A AND B; SETF(NZV); BIT; IR := *PC; PC += 1; END	B0	8	8F	34	0	0
25	AND	zpg	3	B := *zDP	B0	42	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
26	ROL	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*zDP := T	F5	42	0	0	10	0

				IR := *PC; PC += 1; END	0	8	0	4	0	0
27	RMB2	zpg	5	B := *zDP;	B0	42	0	0	10	0
				T := BCG AND B;	5F	2	88	0	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
28	PLP	imp	4	SP += 1; B := *SP	B0	56	0	0	0	0
				P := *SP	70	52	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
29	AND	#	2	A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
2A	ROL	A	2	A := A ROL 0; SETF(NZC); IR := *PC; PC += 1; END	A0	8	AD	54	0	0
2B	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
2C	BIT	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A AND B; SETF(NZV); BIT; IR := *PC; PC += 1; END	B0	8	8F	34	0	0
2D	AND	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
2E	ROL	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
2F	BBR2	zp,rel	5*	B := *zDP;	B0	42	0	0	10	0
				T := !B; B := *PC; PC += 1; EXIT.BTF	50	0	38	3	0	0
				PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	90	32	C8	18	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
30	BMI	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
31	AND	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
32	AND	(zpg)	5	T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
33	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0

34	BIT	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A AND B; SETF(NZV); BIT; IR := *PC; PC += 1; END	B0	8	8F	34	0	0
35	AND	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
36	ROL	zpg,X	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
37	RMB3	zpg	5	B := *zDP;	B0	42	0	0	10	0
				T := BCG AND B;	5F	2	88	0	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
38	SEC	imp	2	SETF(OPCODE 1); IR := *PC; PC += 1; END	B0	8	F9	4	0	0
39	AND	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
3A	DEC	A	2	A := A - 1; SETF(NZ); IR := *PC; PC += 1; END	A0	8	FC	44	0	0
3B	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
3C	BIT	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A AND B; SETF(NZV); BIT; IR := *PC; PC += 1; END	B0	8	8F	34	0	0
3D	AND	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
3E	ROL	abs,X	6*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
3F	BBR3	zp,rel	5*	B := *zDP;	B0	42	0	0	10	0
				T := !B; B := *PC; PC += 1; EXIT.BTF	50	0	38	3	0	0
				PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	90	32	C8	18	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
40	RTI	imp	6	SP += 1; B := *SP	B0	56	0	0	0	0
				P := *SP; SP += 1	70	56	0	0	10	0
				PCL := *SP; SP += 1	80	56	0	0	10	0
				PCH := *SP	90	52	0	0	10	0

				IR := *PC; PC += 1; END	0	8	0	4	0	0
41	EOR	X,ind	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
42	CFG	#	4	T := A	50	2	8	40	0	0
				A := CFG	AC	2	8	40	6	0
				CFG := T; IR := *PC; PC += 1; END	B5	8	8	44	0	6
43	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
44	LDD	zpg	3	B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
45	EOR	zpg	3	B := *zDP	B0	42	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
46	LSR	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
47	RMB4	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := BCG AND B;	5F	2	88	0	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
48	PHA	imp	3	*SP := A; SP -= 1	F0	57	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
49	EOR	#	2	A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
4A	LSR	A	2	A := A LSR 0; SETF(NZC); IR := *PC; PC += 1; END	A0	8	AD	24	0	0
4B	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
4C	JMP	abs	3	DPH := *PC; PC += 1	10	0	0	0	0	0
				IR := *DP; PC += 1; END	B0	18	0	4	0	0
4D	EOR	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
4E	LSR	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
4F	BBR4	zp,rel	5*	B := *zDP;	B0	42	0	0	10	0



				T := !B; B := *PC; PC += 1; EXIT.BTF	50	0	38	3	0	0
				PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	90	32	C8	18	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
50	BVC	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
51	EOR	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
52	EOR	(zpg)	5	T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
53	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
54	LDD	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
55	EOR	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
56	LSR	zpg,X	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
57	RMB5	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := BCG AND B;	5F	2	88	0	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
58	CLI	imp	2	SETF(OPCODE 0); IR := *PC; PC += 1; END	B0	8	9	4	0	0
59	EOR	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
5A	PHY	imp	3	*SP := Y; SP -= 1	F4	57	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
5B	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
5C	LDD	abs	8	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0

				NOP	B0	32	0	0	0	0
				NOP	B0	32	0	0	0	0
				NOP	B0	32	0	0	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
5D	EOR	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
5E	LSR	abs,X	6*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
5F	BBR5	zp,rel	5*	B := *zDP;	B0	42	0	0	10	0
				T := !B; B := *PC; PC += 1; EXIT.BTF	50	0	38	3	0	0
				PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	90	32	C8	18	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
60	RTS	imp	6	SP += 1; B := *SP	B0	56	0	0	0	0
				PCL := *SP; SP += 1	80	56	0	0	10	0
				PCH := *SP	90	52	0	0	10	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
61	ADC	X,ind	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
62	LDD	#	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
63	NOPI		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
64	STZ	zpg	3	*zDP := 0	FB	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
65	ADC	zpg	3	B := *zDP	B0	42	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
66	ROR	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
67	RMB6	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := BCG AND B;	5F	2	88	0	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0

68	PLA	imp	4	SP += 1; B := *SP	B0	56	0	0	0	0
				B := *SP	B0	52	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
69	ADC	#	2	A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
6A	ROR	A	2	A := A ROR 0; SETF(NZC); IR := *PC; PC += 1; END	A0	8	AD	2C	0	0
6B	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
6C	JMP	(abs)	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				NOP	B0	32	0	0	0	0
				DPL := *DP; PC += 1	0	10	0	0	0	0
				DPH := *PC; PC += 1	10	0	0	0	0	0
				IR := *DP; PC += 1; END	B0	18	0	4	0	0
6D	ADC	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
6E	ROR	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
6F	BBR6	zp,rel	5*	B := *zDP;	B0	42	0	0	10	0
				T := !B; B := *PC; PC += 1; EXIT.BTF	50	0	38	3	0	0
				PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	90	32	C8	18	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
70	BVS	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
71	ADC	ind,y	5	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
72	ADC	(zpg)	5	T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
73	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
74	STZ	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				*zDP := 0	FB	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0

75	ADC	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
76	ROR	zpg,X	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
77	RMB7	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := BCG AND B;	5F	2	88	0	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
78	SEI	imp	2	SETF(OPCODE 1); IR := *PC; PC += 1; END	B0	8	F9	4	0	0
79	ADC	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
7A	PLY	imp	4	SP += 1; B := *SP	B0	56	0	0	0	0
				B := *SP	B0	52	0	0	10	0
				Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
7B	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
7C	JMP	(abs,x)	6	PCL := B + X; B := *PC	83	2	C8	40	0	0
				PCH := B + 0; USE(IC)	90	32	C8	18	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
				DPH := *PC; PC += 1	10	0	0	0	0	0
				IR := *DP; PC += 1; END	B0	18	0	4	0	0
7D	ADC	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
7E	ROR	abs,X	6*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
7F	BBR7	zp,rel	5*	B := *zDP;	B0	42	0	0	10	0
				T := !B; B := *PC; PC += 1; EXIT.BTF	50	0	38	3	0	0
				PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	90	32	C8	18	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
80	BRA	rel	3*	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0

81	STA	X,ind	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				*DPT := A	F0	22	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
82	LDD	#	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
83	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
84	STY	zpg	3	*zDP := Y	F4	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
85	STA	zpg	3	*zDP := A	F0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
86	STX	zpg	3	*zDP := X	F3	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
87	SMB0	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := !BCG OR B;	5F	2	D8	0	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
88	DEY	imp	2	Y := Y - 1; SETF(NZ); IR := *PC; PC += 1; END	44	8	FC	44	0	0
89	BIT	#	2	A AND B; SETF(Z); BIT; IR := *PC; PC += 1; END	B0	8	8B	34	0	0
8A	TXA	imp	2	A := X; SETF(NZ); IR := *PC; PC += 1; END	A3	8	C	44	0	0
8B	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
8C	STY	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				*DP := Y	F4	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
8D	STA	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				*DP := A	F0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
8E	STX	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				*DP := X	F3	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
8F	BBS0	zp,rel	5*	B := *zDP;	B0	42	0	0	10	0
				T := B; B := *PC; PC += 1; EXIT.BTF	50	0	C8	3	0	0
				PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	90	32	C8	18	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
90	BCC	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0

91	STA	ind,Y	6	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP	4	C2	C8	40	10	0
				DPH := DPH + 0; USE(IC); B := *PBA	11	32	8	58	0	0
				*DP := A	F0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
92	STA	(zpg)	5	T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				*DPt := A	F0	22	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
93	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
94	STY	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				*zDP := Y	F4	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
95	STA	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				*zDP := A	F0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
96	STX	zpg,Y	4	DPL := B + Y; B := *PBA	4	32	C8	40	0	0
				*zDP := X	F3	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
97	SMB1	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := !BCG OR B;	5F	2	D8	0	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
98	TYA	imp	2	A := Y; SETF(NZ); IR := *PC; PC += 1; END	A4	8	C	44	0	0
99	STA	abs,Y	5	DPL := B + Y; B := *PC; PC += 1	4	0	C8	40	0	0
				DPH := B + 0; USE(IC); B := *PBA	10	32	C8	18	0	0
				*DP := A	F0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
9A	TXS	imp	2	SP := X; IR := *PC; PC += 1; END	23	8	8	44	0	0
9B	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
9C	STZ	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				*DP := 0	FB	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
9D	STA	abs,X	5	DPL := B + X; B := *PC; PC += 1	3	0	C8	40	0	0
				DPH := B + 0; USE(IC); B := *PBA	10	32	C8	18	0	0
				*DP := A	F0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
9E	STZ	abs,X	5	DPL := B + X; B := *PC; PC += 1	3	0	C8	40	0	0
				DPH := B + 0; USE(IC); B := *PBA	10	32	C8	18	0	0

				*DP := 0	FB	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
9F	BBS1	zp,rel	5*	B := *zDP;	B0	42	0	0	10	0
				T := B; B := *PC; PC += 1; EXIT.BTF	50	0	C8	3	0	0
				PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	90	32	C8	18	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
A0	LDY	#	2	Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
A1	LDA	X,ind	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
A2	LDX	#	2	X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
A3	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
A4	LDY	zpg	3	B := *zDP	B0	42	0	0	10	0
				Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
A5	LDA	zpg	3	B := *zDP	B0	42	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
A6	LDX	zpg	3	B := *zDP	B0	42	0	0	10	0
				X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
A7	SMB2	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := !BCG OR B;	5F	2	D8	0	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
A8	TAY	imp	2	Y := A; SETF(NZ); IR := *PC; PC += 1; END	40	8	C	44	0	0
A9	LDA	#	2	A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
AA	TAX	imp	2	X := A; SETF(NZ); IR := *PC; PC += 1; END	30	42	0	0	10	0
AB	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
AC	LDY	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
AD	LDA	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
AE	LDX	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0

				X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
AF	BBS2	zp,rel	5*	B := *zDP;	B0	42	0	0	10	0
				T := B; B := *PC; PC += 1; EXIT.BTF	50	0	C8	3	0	0
				PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	90	32	C8	18	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
B0	BCS	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
B1	LDA	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
B2	LDA	(zpg)	5	T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
B3	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
B4	LDY	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
B5	LDA	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
B6	LDX	zpg,Y	4	DPL := B + Y; B := *PBA	4	32	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
B7	SMB3	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := IBCG OR B;	5F	2	D8	0	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
B8	CLV	imp	2	SETF(OPCODE 0); IR := *PC; PC += 1; END	B0	8	9	4	0	0
B9	LDA	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
BA	TSX	imp	2	X := SP; SETF(NZ); IR := *PC; PC += 1; END	32	8	C	44	0	0
BB	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
BC	LDY	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0



				Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
BD	LDA	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
BE	LDX	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
BF	BBS3	zp,rel	5*	B := *zDP;	B0	42	0	0	10	0
				T := B; B := *PC; PC += 1; EXIT.BTF	50	0	C8	3	0	0
				PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	90	32	C8	18	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
C0	CPY	#	2	Y CMP B; SETF(NZC); IR := *PC; PC += 1; END	B4	8	3D	4C	0	0
C1	CMP	X,ind	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *Dpt	B0	22	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
C2	LDD	#	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
C3	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
C4	CPY	zpg	3	B := *zDP	B0	42	0	0	10	0
				Y CMP B; SETF(NZC); IR := *PC; PC += 1; END	B4	8	3D	4C	0	0
C5	CMP	zpg	3	B := *zDP	B0	42	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
C6	DEC	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := B - 1; SETF(NZ)	50	32	FC	80	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
C7	SMB4	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := IBCG OR B;	5F	2	D8	0	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
C8	INY	imp	2	Y := Y + 1; SETF(NZ); IR := *PC; PC += 1; END	44	8	C	4C	0	0
C9	CMP	#	2	A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
CA	DEX	imp	2	X := X - 1; SETF(NZ); IR := *PC; PC += 1; END	33	8	FC	44	0	0
CB	WAI	imp	3	WAI; IR := PC; PC += 1; END	D0	8	0	4	0	0
CC	CPY	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0

				B := *DP	B0	12	0	0	10	0
				Y CMP B; SETF(NZC); IR := *PC; PC += 1; END	B4	8	3D	4C	0	0
CD	CMP	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
CE	DEC	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := B - 1; SETF(NZ)	50	32	FC	80	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
CF	BBS4	zp,rel	5*	B := *zDP;	B0	42	0	0	10	0
				T := B; B := *PC; PC += 1; EXIT.BTF	50	0	C8	3	0	0
				PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	90	32	C8	18	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
D0	BNE	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
D1	CMP	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
D2	CMP	(zpg)	5	T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPT	B0	22	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
D3	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
D4	LDD	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
D5	CMP	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
D6	DEC	zpg,X	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	10	0
				T := B - 1; SETF(NZ)	50	32	FC	80	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
D7	SMB5	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := IBCG OR B;	5F	2	D8	0	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0

D8	CLD	imp	2	SETF(OPCODE 0); IR := *PC; PC += 1; END	B0	8	9	4	0	0
D9	CMP	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C B := *DP A CMP B; SETF(NZC); IR := *PC; PC += 1; END	4 B0 B0	80 12 8	C8 0 3D	42 0 4C	0 10 0	0 0 0
DA	PHX	imp	3	*SP := X; SP -= 1 IR := *PC; PC += 1; END	F3 0	57 8	0 0	0 4	10 0	0 0
DB	STP	imp	3	STP; IR := *PC; PC += 1; END	BD	8	0	4	0	0
DC	LDD	abs	4	DPH := *PC; PC += 1 B := *DP IR := *PC; PC += 1; END	10 B0 0	0 12 8	0 0 0	0 0 4	0 10 0	0 0 0
DD	CMP	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C B := *DP A CMP B; SETF(NZC); IR := *PC; PC += 1; END	3 B0 B0	80 12 8	C8 0 3D	42 0 4C	0 10 0	0 0 0
DE	DEC	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1 DPH := DPH + 0; USE(IC); B := *PBA B := *DP; ML T := B - 1; SETF(NZ) *DP := T IR := *PC; PC += 1; END	3 11 C0 50 F5 0	80 32 12 32 12 8	C8 8 0 FC 0	40 58 0 80 0 4	0 0 10 0 10 0	0 0 0 0 0 0
DF	BBS5	zp,rel	5*	B := *zDP; T := B; B := *PC; PC += 1; EXIT.BTF PCL := PCL + B; EXIT.CC PCH = PCH + signextend(*); USE(IC) IR := *PC; PC += 1; END	B0 50 88 90 0	42 0 2 32 8	0 C8 C8 C8 0	0 3 41 18 4	10 0 0 0 0	0 0 0 0 0
E0	CPX	#	2	X CMP B; SETF(NZC); IR := *PC; PC += 1; END	B3	8	3D	4C	0	0
E1	SBC	X,ind	6	DPL := B + X; B := *PBA T := *zDP; DPL += 1 DPH := *zDP B := *DPt A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	3 50 10 B0 A0	32 44 42 22 8	C8 0 0 0 3E	40 0 0 0 55	0 10 10 10 0	0 0 0 0 0
E2	LDD	#	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
E3	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
E4	CPX	zpg	3	B := *zDP X CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0 B3	42 8	0 3D	0 4C	10 0	0 0
E5	SBC	zpg	3	B := *zDP A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	B0 A0	42 8	0 3E	0 55	10 0	0 0
E6	INC	zpg	5	B := *zDP; ML T := B + 1; SETF(NZ)	C0 50	42 32	0 C	0 88	10 0	0 0

				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
E7	SMB6	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := IBCG OR B;	5F	2	D8	0	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
E8	INX	imp	2	X := X + 1; SETF(NZ); IR := *PC; PC += 1; END	33	8	C	4C	0	0
E9	SBC	#	2	A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
EA	NOP	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
EB	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
EC	CPX	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				X CMP B; SETF(NZC); IR := *PC; PC += 1; END	B3	8	3D	4C	0	0
ED	SBC	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
EE	INC	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
EF	BBS6	zp,rel	5*	B := *zDP;	B0	42	0	0	10	0
				T := B; B := *PC; PC += 1; EXIT.BTF	50	0	C8	3	0	0
				PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	90	32	C8	18	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
F0	BEQ	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
F1	SBC	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
F2	SBC	(zpg)	5	T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
F3	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
F4	LDD	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0

				B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
F5	SBC	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
F6	INC	zpg,X	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	10	0
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
F7	SMB7	zpg	5	B := *zDP; ML	C0	42	0	0	10	0
				T := !BCG OR B;	5F	2	D8	0	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
F8	SED	imp	2	SETF(OPCODE 1); IR := *PC; PC += 1; END	B0	8	F9	4	0	0
F9	SBC	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
FA	PLX	imp	4	SP += 1; B := *SP	B0	56	0	0	0	0
				B := *SP	B0	52	0	0	10	0
				X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
FB	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
FC	LDD	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
FD	SBC	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
FE	INC	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *PBA	11	32	8	58	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
FF	BBS7	zp,rel	5*	B := *zDP;	B0	42	0	0	10	0
				T := B; B := *PC; PC += 1; EXIT.BTF	50	0	C8	3	0	0
				PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	90	32	C8	18	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
00	BRK	"Sig"	7	*SP := PCH; SP -- 1	F9	57	0	0	10	0
				*SP := PCL; SP -- 1	F8	57	0	0	10	0

				*SP := P; SP -= 1; PBR.CLR	F7	57	0	0	10	10
				PCL := *fCP; DPL += 1	80	74	0	0	0	0
				PCH := *fDP; SETF(SEI/CLD)	90	62	2	0	0	0
				IR := *PC; PC += 1; END.INT	0	8	0	6	0	0
01	ORA	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
02	KIL	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
03	SLO	X,ind	8	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				DPL := 0 ASL B; SETF(NZC)	B	32	CD	80	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
04	LDD	zpg	3	B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
05	ORA	zpg	3	B := *zDP	B0	42	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
06	ASL	zpg	5	B := *zDP	B0	42	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
07	SLO	zpg	5	B := *zDP	B0	42	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
08	PHP	imp	3	*SP := P; SP -= 1	F7	57	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
09	ORA	#	2	A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
0A	ASL	A	2	A := A ASL 0; SETF(NZC); IR := *PC; PC += 1; END	A0	8	AD	44	0	0
0B	ANC	#	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
0C	LDD	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
0D	ORA	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0

0E	ASL	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
0F	SLO	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
10	BPL	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
11	ORA	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
12	KIL	imp	3	NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
13	SLO	ind,Y		B := *zDP; DPL += 1	B0	44	0	0	10	0
				T := B + Y; DPH.db := *zDP	54	C2	C8	40	10	0
				DPH := DPH + 0; USE(IC); B := *Dpt	11	22	8	58	0	0
				B := *Dpt	B0	22	0	0	10	0
				DPL := 0 ASL B; SETF(NZC)	B	32	CD	80	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
14	LDD	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
15	ORA	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
16	ASL	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
17	SLO	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0

18	CLC	imp	2	SETF(OPCODE 0); IR := *PC; PC += 1; END	B0	8	9	4	0	0
19	ORA	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
1A	NOP	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
1B	SLO	abs,Y	7	DPL := B + Y; DPH.db := *PC; PC += 1	4	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
1C	LDD	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
1D	ORA	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
1E	ASL	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
1F	SLO	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
20	JSR	abs	6	B := *SP	B0	52	0	0	10	0
				*SP := PCH; SP -= 1	F9	57	0	0	10	0
				*SP := PCL; SP -= 1	F8	57	0	0	10	0
				DPH := *PC; PC += 1	10	0	0	0	0	0
				IR := *DP; PC += 1; END	B0	18	0	4	0	0
21	AND	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
22	KIL	imp	3	NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
23	RLA	X,ind		DPL := B + X; B := *zDP	3	42	C8	40	0	0



				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				DPL := 0 ROL B; SETF(NZC)	B	32	CD	90	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
24	BIT	zpg	3	B := *zDP	B0	42	0	0	10	0
				A AND B; SETF(NZV); BIT; IR := *PC; PC += 1; END	B0	8	8F	34	0	0
25	AND	zpg	3	B := *zDP	B0	42	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
26	ROL	zpg	5	B := *zDP	B0	42	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
27	RLA	zpg	5	B := *zDP	B0	42	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
28	PLP	imp	4	SP += 1; B := *SP	B0	56	0	0	0	0
				P := *SP	70	52	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
29	AND	#	2	A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
2A	ROL	A	2	A := A ROL 0; SETF(NZC); IR := *PC; PC += 1; END	A0	8	AD	54	0	0
2B	ANC	#	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
2C	BIT	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A AND B; SETF(NZV); BIT; IR := *PC; PC += 1; END	B0	8	8F	34	0	0
2D	AND	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
2E	ROL	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
2F	RLA	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0

30	BMI	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
31	AND	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
32	KIL	imp	3	NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
33	RLA	ind,Y	8	B := *zDP; DPL += 1	B0	44	0	0	10	0
				T := B + Y; DPH.db := *zDP	54	C2	C8	40	10	0
				DPH := DPH + 0; USE(IC); B := *DPt	11	22	8	58	0	0
				B := *DPt	B0	22	0	0	10	0
				DPL := 0 ROL B; SETF(NZC)	B	32	CD	90	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
34	LDD	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
35	AND	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
36	ROL	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
37	RLA	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
38	SEC	imp	2	SETF(OPCODE 1); IR := *PC; PC += 1; END	B0	8	F9	4	0	0
39	AND	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
3A	NOP	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
3B	RLA	abs,Y	7	DPL := B + Y; DPH.db := *PC; PC += 1	4	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				NOP	B0	32	0	0	0	0

				IR := *PC; PC += 1; END	0	8	0	4	0	0
3C	LDD	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
3D	AND	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
3E	ROL	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
3F	RLA	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
40	RTI	imp	6	SP += 1; B := *SP	B0	56	0	0	0	0
				P := *SP; SP += 1	70	56	0	0	10	0
				PCL := *SP; SP += 1	80	56	0	0	10	0
				PCH := *SP	90	52	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
41	EOR	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPT	B0	22	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
42	CFG	#	4	T := A	50	2	8	40	0	0
				A := CFG	AC	2	8	40	6	0
				CFG := T; IR := *PC; PC += 1; END	B5	8	8	44	0	6
43	SRE	X,ind	8	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPT	B0	22	0	0	10	0
				DPL := 0 LSR B; SETF(NZC)	B	32	CD	20	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
44	LDD	zpg	3	B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
45	EOR	zpg	3	B := *zDP	B0	42	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0

46	LSR	zpg	5	B := *zDP	B0	42	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
47	SRE	zpg	5	B := *zDP	B0	42	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
48	PHA	imp	3	*SP := A; SP -= 1	F0	57	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
49	EOR	#	2	A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
4A	LSR	A	2	A := A LSR 0; SETF(NZC); IR := *PC; PC += 1; END	A0	8	AD	24	0	0
4B	ALR	#	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
4C	JMP	abs	3	DPH := *PC; PC += 1	10	0	0	0	0	0
				IR := *DP; PC += 1; END	B0	18	0	4	0	0
4D	EOR	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
4E	LSR	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
4F	SRE	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
50	BVC	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
51	EOR	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
52	KIL	imp	3	NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
53	SRE	ind,Y		B := *zDP; DPL += 1	B0	44	0	0	10	0
				T := B + Y; DPH.db := *zDP	54	C2	C8	40	10	0

				DPH := DPH + 0; USE(IC); B := *DPt	11	22	8	58	0	0
				B := *DPt	B0	22	0	0	10	0
				DPL := 0 LSR B; SETF(NZC)	B	32	CD	20	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
54	LDD	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
55	EOR	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
56	LSR	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
57	SRE	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
58	CLI	imp	2	SETF(OPCODE 0); IR := *PC; PC += 1; END	B0	8	9	4	0	0
59	EOR	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
5A	NOP	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
5B	SRE	abs,Y	7	DPL := B + Y; DPH.db := *PC; PC += 1	4	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
5C	LDD	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
5D	EOR	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
5E	LSR	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0

				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
5F	SRE	abs,X	7	PC -= 1	0	33	0	0	0	0
				DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
60	RTS	imp	6	SP += 1; B := *SP	B0	56	0	0	0	0
				PCL := *SP; SP += 1	80	56	0	0	10	0
				PCH := *SP	90	52	0	0	10	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
61	ADC	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
62	KIL	imp	6	NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
63	RRA	X,ind	8	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				DPL := 0 ROR B; SETF(NZC)	B	32	CD	28	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
64	LDD	zpg	3	B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
65	ADC	zpg	3	B := *zDP	B0	42	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
66	ROR	zpg	5	B := *zDP	B0	42	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
67	RRA	zpg	5	B := *zDP	B0	42	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
68	PLA	imp	4	SP += 1; B := *SP	B0	56	0	0	0	0
				B := *SP	B0	52	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0

69	ADC	#	2	A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
6A	ROR	A	2	A := A ROR 0; SETF(NZC); IR := *PC; PC += 1; END	A0	8	AD	2C	0	0
6B	ARR	#	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
6C	JMP	(abs)	5	DPH := *PC; PC += 1	10	0	0	0	0	0
				PCL := *DP; DPL += 1	80	14	0	0	0	0
				PCH := *DP	90	12	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
6D	ADC	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
6E	ROR	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
6F	RRA	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
70	BVS	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
71	ADC	ind,y	5	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
72	KIL	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
73	RRA	ind,Y	8	B := *zDP; DPL += 1	B0	44	0	0	10	0
				T := B + Y; DPH.db := *zDP	54	C2	C8	40	10	0
				DPH := DPH + 0; USE(IC); B := *DPt	11	22	8	58	0	0
				B := *DPt	B0	22	0	0	10	0
				DPL := 0 ROR B; SETF(NZC)	B	32	CD	28	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
74	LDD	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
75	ADC	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0

				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
76	ROR	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
77	RRA	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
78	SEI	imp	2	SETF(OPCODE 1); IR := *PC; PC += 1; END	B0	8	F9	4	0	0
79	ADC	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
7A	NOP	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
7B	RRA	abs,Y	7	DPL := B + Y; DPH.db := *PC; PC += 1	4	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
7C	LDD	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
7D	ADC	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
7E	ROR	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
7F	RRA	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
80	LDD	imm	02	IR := *PC; PC += 1; END	0	8	0	4	0	0



81	STA	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				*DPT := A	F0	22	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
82	LDD	imm	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
83	SAX	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
84	STY	zpg	3	*zDP := Y	F4	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
85	STA	zpg	3	*zDP := A	F0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
86	STX	zpg	3	*zDP := X	F3	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
87	SAX	zpg	3	NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
88	DEY	imp	2	Y := Y - 1; SETF(NZ); IR := *PC; PC += 1; END	44	8	FC	44	0	0
89	LDD	imm	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
8A	TXA	imp	2	A := X; SETF(NZ); IR := *PC; PC += 1; END	A3	8	C	44	0	0
8B	XAA	#	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
8C	STY	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				*DP := Y	F4	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
8D	STA	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				*DP := A	F0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
8E	STX	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				*DP := X	F3	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
8F	SAX	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
90	BCC	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0

91	STA	ind,Y	6	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP	4	C2	C8	40	10	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				*DP := A	F0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
92	KIL	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
93	AHX	ind,Y	6	B := *zDP; DPL += 1	B0	44	0	0	10	0
				T := B + Y; DPH.db := *zDP	54	C2	C8	40	10	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
94	STY	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				*zDP := Y	F4	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
95	STA	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				*zDP := A	F0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
96	STX	zpg,Y	4	DPL := B + Y; B := *zDP	4	42	C8	40	0	0
				*zDP := X	F3	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
97	SAX	zpg,Y	4	DPL := B + Y; B := *zDP	4	42	C8	40	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
98	TYA	imp	2	A := Y; SETF(NZ); IR := *PC; PC += 1; END	A4	8	C	44	0	0
99	STA	abs,Y	5	DPL := B + Y; B := *PC; PC += 1	4	0	C8	40	0	0
				DPH := B + 0; USE(IC); B := *DP	10	12	C8	18	0	0
				*DP := A	F0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
9A	TXS	imp	2	SP := X; IR := *PC; PC += 1; END	23	8	8	44	0	0
9B	TAS	abs,Y	5	DPL := B + Y; DPH.db := *PC; PC += 1	4	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
9C	SHY	abs,X	5	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC)	10	32	C8	18	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
9D	STA	abs,X	5	DPL := B + X; B := *PC; PC += 1	3	0	C8	40	0	0
				DPH := B + 0; USE(IC); B := *DP	10	12	C8	18	0	0
				*DP := A	F0	12	0	0	10	0

				IR := *PC; PC += 1; END	0	8	0	4	0	0
9E	SHX	abs,Y	5	DPL := B + Y; DPH.db := *PC; PC += 1	4	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
9F	AHX	abs,Y	5	DPL := B + Y; DPH.db := *PC; PC += 1	4	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
A0	LDY	#	2	Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
A1	LDA	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
A2	LDX	#	2	X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
A3	LAX	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
A4	LDY	zpg	3	B := *zDP	B0	42	0	0	10	0
				Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
A5	LDA	zpg	3	B := *zDP	B0	42	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
A6	LDX	zpg	3	B := *zDP	B0	42	0	0	10	0
				X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
A7	LAX	zpg	3	NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
A8	TAY	imp	2	Y := A; SETF(NZ); IR := *PC; PC += 1; END	40	8	C	44	0	0
A9	LDA	#	2	A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
AA	TAX	imp	2	X := A; SETF(NZ); IR := *PC; PC += 1; END	30	42	0	0	10	0
AB	LXA	#	3	NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
AC	LDY	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0

AD	LDA	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
AE	LDX	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
AF	LAX	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
B0	BCS	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
B1	LDA	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
B2	KIL	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
B3	LAX	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
B4	LDY	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
B5	LDA	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
B6	LDX	zpg,Y	4	DPL := B + Y; B := *zDP	4	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
B7	LAX	zpg,Y	4	DPL := B + Y; B := *zDP	4	42	C8	40	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
B8	CLV	imp	2	SETF(OPCODE 0); IR := *PC; PC += 1; END	B0	8	9	4	0	0
B9	LDA	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
BA	TSX	imp	2	X := SP; SETF(NZ); IR := *PC; PC += 1; END	32	8	C	44	0	0
BB	LAS	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0

				B := *DP	B0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
BC	LDY	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
BD	LDA	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
BE	LDX	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
BF	LAX	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
C0	CPY	#	2	Y CMP B; SETF(NZC); IR := *PC; PC += 1; END	B4	8	3D	4C	0	0
C1	CMP	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPT	B0	22	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
C2	LDD	imm	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
C3	DCP	X,ind	8	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPT	B0	22	0	0	10	0
				NOP	B0	32	0	0	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
C4	CPY	zpg	3	B := *zDP	B0	42	0	0	10	0
				Y CMP B; SETF(NZC); IR := *PC; PC += 1; END	B4	8	3D	4C	0	0
C5	CMP	zpg	3	B := *zDP	B0	42	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
C6	DEC	zpg	5	B := *zDP	B0	42	0	0	10	0
				T := B - 1; SETF(NZ)	50	32	FC	80	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
C7	DCP	zpg	5	B := *zDP	B0	42	0	0	10	0
				NOP	B0	32	0	0	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0

C8	INY	imp	2	Y := Y + 1; SETF(NZ); IR := *PC; PC += 1; END	44	8	C	4C	0	0
C9	CMP	#	2	A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
CA	DEX	imp	2	X := X - 1; SETF(NZ); IR := *PC; PC += 1; END	33	8	FC	44	0	0
CB	AXS	imm	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
CC	CPY	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				Y CMP B; SETF(NZC); IR := *PC; PC += 1; END	B4	8	3D	4C	0	0
CD	CMP	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
CE	DEC	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				T := B - 1; SETF(NZ)	50	32	FC	80	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
CF	DCP	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				NOP	B0	32	0	0	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
D0	BNE	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
D1	CMP	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
D2	KIL	imp	3	IR := *PC; PC += 1; END	0	8	0	4	0	0
D3	DCP	ind,Y	8	B := *zDP; DPL += 1	B0	44	0	0	10	0
				T := B + Y; DPH.db := *zDP	54	C2	C8	40	10	0
				DPH := DPH + 0; USE(IC); B := *DPt	11	22	8	58	0	0
				B := *DPt	B0	22	0	0	10	0
				NOP	B0	32	0	0	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
D4	LDD	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
D5	CMP	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0

				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
D6	DEC	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				T := B - 1; SETF(NZ)	50	32	FC	80	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
D7	DCP	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				NOP	B0	32	0	0	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
D8	CLD	imp	2	SETF(OPCODE 0); IR := *PC; PC += 1; END	B0	8	9	4	0	0
D9	CMP	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
DA	NOP	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
DB	DCP	abs,Y	7	DPL := B + Y; DPH.db := *PC; PC += 1	4	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				NOP	B0	32	0	0	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
DC	LDD	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
DD	CMP	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
DE	DEC	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				T := B - 1; SETF(NZ)	50	32	FC	80	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
DF	DCP	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *DP	11	12	8	58	0	0
				B := *DP	B0	12	0	0	10	0
				NOP	B0	32	0	0	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
E0	CPX	#	2	X CMP B; SETF(NZC); IR := *PC; PC += 1; END	B3	8	3D	4C	0	0

E1	SBC	X,ind	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
E2	LDD	imm	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
E3	ISC	X,ind	8	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	10	0
				DPH := *zDP	10	42	0	0	10	0
				B := *DPt	B0	22	0	0	10	0
				NOP	B0	32	0	0	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
E4	CPX	zpg	3	B := *zDP	B0	42	0	0	10	0
				X CMP B; SETF(NZC); IR := *PC; PC += 1; END	B3	8	3D	4C	0	0
E5	SBC	zpg	3	B := *zDP	B0	42	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
E6	INC	zpg	5	B := *zDP	B0	42	0	0	10	0
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
E7	ISC	zpg	5	B := *zDP	B0	42	0	0	10	0
				NOP	B0	32	0	0	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
E8	INX	imp	2	X := X + 1; SETF(NZ); IR := *PC; PC += 1; END	33	8	C	4C	0	0
E9	SBC	#	2	A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
EA	NOP	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
EB	SBC	#	2	A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
EC	CPX	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				X CMP B; SETF(NZC); IR := *PC; PC += 1; END	B3	8	3D	4C	0	0
ED	SBC	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
EE	INC	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0



EF	ISC	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				NOP	B0	32	0	0	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
F0	BEQ	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
F1	SBC	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	10	0
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	10	0
				B := *DP	B0	12	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
F2	KIL	imp	3	IR := *PC; PC += 1; END	0	8	0	4	0	0
F3	ISC	ind,Y	8	B := *zDP; DPL += 1	B0	44	0	0	10	0
				T := B + Y; DPH.db := *zDP	54	C2	C8	40	10	0
				DPH := DPH + 0; USE(IC); B := *DPt	11	22	8	58	0	0
				B := *DPt	B0	22	0	0	10	0
				NOP	B0	32	0	0	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
F4	LDD	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
F5	SBC	zpg,X	4	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
F6	INC	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*zDP := T	F5	42	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
F7	ISC	zpg,X	6	DPL := B + X; B := *zDP	3	42	C8	40	0	0
				B := *zDP	B0	42	0	0	10	0
				NOP	B0	32	0	0	0	0
				NOP	B0	32	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
F8	SED	imp	2	SETF(OPCODE 1); IR := *PC; PC += 1; END	B0	8	F9	4	0	0
F9	SBC	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				B := *DP	B0	12	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
FA	NOP	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0



				A := A ROL 0; IR := *PC; PC += 1; END	A0	8	A8	54	0	0
03	ORA	d,s	5	DPL := B + SP	2	2	C8	40	0	0
			vs	DPH := 1	10	2	8	8	0	0
			4	B := *DP	B0	12	0	0	30	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
04	TSB	zpg	5	B := *zDP; ML	C0	42	0	0	30	40
				B := *zDP; T := A OR B	50	42	E8	0	30	40
				*zDP := T	F5	42	0	0	30	40
				A AND B; SETF(Z); IR := *PC; PC += 1; END	B0	8	8B	4	0	0
05	ORA	zpg	3	B := *zDP	B0	42	0	0	30	40
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
06	ASL	zpg	5	B := *zDP; ML	C0	42	0	0	30	40
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*zDP := T	F5	42	0	0	30	40
				IR := *PC; PC += 1; END	0	8	0	4	0	0
07	ORA	(ind lng)	7	T := *zDP; DPL += 1	50	44	0	0	30	40
			vs	DPH := *zDP; DPL += 1	10	44	0	0	30	40
			6	TBR := *zDP	B0	42	0	0	30	43
				B := *DPt	B0	22	0	0	20	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
08	PHP	imp	3	*SP := P; SP -= 1	F7	57	0	0	30	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
09	ORA	#	2	A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
0A	ASL	A	2	A := A ASL 0; SETF(NZC); IR := *PC; PC += 1; END	A0	8	AD	44	0	0
0B	PHD		4	*SP := 0; SP -= 1	FB	57	0	0	30	0
				*SP := DH; SP -= 1	FC	57	0	0	34	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
0C	TSB	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				B := *DP; T := A OR B	50	12	E8	0	10	0
				*DP := T	F5	12	0	0	10	0
				A AND B; SETF(Z); IR := *PC; PC += 1; END	B0	8	8B	4	0	0
0D	ORA	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
0E	ASL	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0

0F	ORA	abs lng	5	DPH := *PC; PC += 1	10	0	0	0	0	0
				TBR := *PC; PC += 1	B0	0	0	0	0	3
				B := *DP	B0	12	0	0	20	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
10	BPL	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
11	ORA	ind,Y	6*	B := *zDP; DPL += 1	B0	44	0	0	30	40
			vs	DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	30	40
			5*	TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
12	ORA	(zpg)	5	T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP	10	42	0	0	30	40
				B := *DPt	B0	22	0	0	10	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
13	ORA	(d,s),Y	8*	DPL := B + SP	2	2	C8	40	0	0
			vs	DPH := 1	10	2	8	8	0	0
			7*	B := *DP; DPL += 1	B0	14	0	0	30	0
				DPL := B + Y; DPH.db := *DP; INCDPH.C	4	92	C8	42	30	0
				TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
14	TRB	zpg	5	B := *zDP; ML	C0	42	0	0	30	40
				B := *zDP; T := !A AND B	50	42	48	0	30	40
				*zDP := T	F5	42	0	0	30	40
				A AND B; SETF(Z); IR := *PC; PC += 1; END	B0	8	8B	4	0	0
15	ORA	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	30	40
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
16	ASL	zpg,X	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	30	40
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*zDP := T	F5	42	0	0	30	40
				IR := *PC; PC += 1; END	0	8	0	4	0	0
17	ORA	(ind lnol),Y	8	B := *zDP; DPL += 1	B0	44	0	0	30	40
			vs	T := B + Y; DPH.db := *zDP; DPL +=1	54	C4	C8	40	30	40
			6	DPH := DPH + 0; USE(IC); TBR.db := *zDP	11	42	8	58	30	63
				TBR := TBR + 0; USE(IC)	BC	2	8	58	3	3
				DPL := T	5	2	8	40	0	0
				B := *DP	B0	12	0	0	20	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
18	CLC	imp	2	SETF(OPCODE 0); IR := *PC; PC += 1; END	B0	8	9	4	0	0

19	ORA	abs,Y	5*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
			vs	TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
			4*	B := *DP	B0	12	0	0	20	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
1A	INC	A	2	A := A + 1; SETF(NZ); IR := *PC; PC += 1; END	A0	8	C	4C	0	0
1B	TCS	imp	2	SP := A; IR := *PC; PC += 1; END	B0	8	F9	4	0	0
1C	TRB	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				B := *DP; T := !A AND B	50	12	48	0	10	0
				*DP := T	F5	12	0	0	10	0
				A AND B; SETF(Z); IR := *PC; PC += 1; END	B0	8	8B	4	0	0
1D	ORA	abs,X	5*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
			vs	TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
			4*	B := *DP	B0	12	0	0	20	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
1E	ASL	abs,X	7*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
			vs	TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
			6*	B := *DP; ML	C0	12	0	0	20	0
				T := 0 ASL B; SETF(NZC)	5B	32	CD	80	0	0
				*DP := T	F5	12	0	0	20	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
1F	ORA	abs lng,X	6	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
			vs	DPH := DPH + 0; USE(IC); TBR.db := *PC; PC +=1	11	0	8	58	0	23
			5*	TBR := TBR + 0; USE(IC)	BC	2	8	58	3	3
				B := *DP	B0	12	0	0	20	0
				A := A OR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	EC	4	0	0
20	JSR	abs	6	B := *SP	B0	52	0	0	10	0
				*SP := PCH; SP -= 1	F9	57	0	0	30	0
				*SP := PCL; SP -= 1	F8	57	0	0	30	0
				DPH := *PC; PC += 1	10	0	0	0	0	0
				IR := *DP; PC += 1; END	B0	18	0	4	0	0
21	AND	X,ind	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP	10	42	0	0	30	40
				B := *DPt	B0	22	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
22	JSR	abs lng	7	*SP := PBR; SP -= 1	FC	57	0	0	31	0
				*SP := PCH; SP -= 1	F9	57	0	0	30	0
				*SP := PCL SP -= 1	F9	57	0	0	30	0
				DPH := *PC; PC += 1	10	0	0	0	0	0
				PBR := *PC; PC += 1	B0	0	0	0	0	1
				IR := *DP; PC += 1; END	B0	18	0	4	0	0
23	AND	d,s	5	DPL := B + SP	2	2	C8	40	0	0

			vs	DPH := 1	10	2	8	8	0	0
			4	B := *DP	B0	12	0	0	30	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
24	BIT	zpg	3	B := *zDP	B0	42	0	0	30	40
				A AND B; SETF(NZV); BIT; IR := *PC; PC += 1; END	B0	8	8F	34	0	0
25	AND	zpg	3	B := *zDP	B0	42	0	0	30	40
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
26	ROL	zpg	5	B := *zDP; ML	C0	42	0	0	30	40
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*zDP := T	F5	42	0	0	30	40
				IR := *PC; PC += 1; END	0	8	0	4	0	0
27	AND	zpgLng	6	T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP; DPL += 1	10	44	0	0	30	40
				TBR := *zDP	B0	42	0	0	30	43
				B := *DPt	B0	22	0	0	20	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
28	PLP	imp	4	SP += 1; B := *SP	B0	56	0	0	0	0
				P := *SP	70	52	0	0	30	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
29	AND	#	2	A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
2A	ROL	A	2	A := A ROL 0; SETF(NZC); IR := *PC; PC += 1; END	A0	8	AD	54	0	0
2B	PLD	imp	5	SP += 1; B := *SP	B0	56	0	0	0	0
				DH := *SP; SP += 1	B0	56	0	0	30	4
				B := *SP	B0	52	0	0	30	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
2C	BIT	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A AND B; SETF(NZV); BIT; IR := *PC; PC += 1; END	B0	8	8F	34	0	0
2D	AND	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
2E	ROL	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
2F	AND	abs lng	5	DPH := *PC; PC += 1	10	0	0	0	0	0
				TBR := *PC; PC += 1	B0	0	0	0	0	3
				B := *DP	B0	12	0	0	20	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0

30	BMI	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
31	AND	ind,Y	6*	B := *zDP; DPL += 1	B0	44	0	0	30	40
			vs	DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	30	40
			5*	TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
32	AND	(zpg)	5	T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP	10	42	0	0	30	40
				B := *DPt	B0	22	0	0	10	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
33	AND	(d,s),Y	8*	DPL := B + SP	2	2	C8	40	0	0
			vs	DPH := 1	10	2	8	8	0	0
			7*	B := *DP; DPL += 1	B0	14	0	0	30	0
				DPL := B + Y; DPH.db := *DP; INCDPH.C	4	92	C8	42	30	0
				TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
34	BIT	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	30	40
				A AND B; SETF(NZV); BIT; IR := *PC; PC += 1; END	B0	8	8F	34	0	0
35	AND	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	30	40
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
36	ROL	zpg,X	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	30	40
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*zDP := T	F5	42	0	0	30	40
				IR := *PC; PC += 1; END	0	8	0	4	0	0
37	AND	(ind lnal),Y	8	B := *zDP; DPL += 1	B0	44	0	0	30	40
			vs	T := B + Y; DPH.db := *zDP; DPL += 1	54	C4	C8	40	30	40
			6	DPH := DPH + 0; USE(IC); TBR.db := *zDP	11	42	8	58	30	63
				TBR := TBR + 0; USE(IC)	BC	2	8	58	3	3
				DPL := T	5	2	8	40	0	0
				B := *DP	B0	12	0	0	20	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
38	SEC	imp	2	SETF(OPCODE 1); IR := *PC; PC += 1; END	B0	8	F9	4	0	0
39	AND	abs,Y	5*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
			vs	TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
			4*	B := *DP	B0	12	0	0	20	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
3A	DEC	A	2	A := A - 1; SETF(NZ); IR := *PC; PC += 1; END	A0	8	FC	44	0	0

3B	TSC	imp	2	A := SP; SETF(NZ); IR := *PC; PC += 1; END	A2	8	C	44	0	0
3C	BIT	abs,X	5*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
			vs	TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
			4*	B := *DP	B0	12	0	0	20	0
				A AND B; SETF(NZV); BIT; IR := *PC; PC += 1; END	B0	8	8F	34	0	0
3D	AND	abs,X	5*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
			vs	TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
			4*	B := *DP	B0	12	0	0	20	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
3E	ROL	abs,X	7*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
			vs	TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
			6*	B := *DP; ML	C0	12	0	0	20	0
				T := 0 ROL B; SETF(NZC)	5B	32	CD	90	0	0
				*DP := T	F5	12	0	0	20	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
3F	AND	abs lng,X	6	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
			vs	DPH := DPH + 0; USE(IC); TBR.db := *PC; PC +=1	11	0	8	58	0	23
			5*	TBR := TBR + 0; USE(IC)	BC	2	8	58	3	3
				B := *DP	B0	12	0	0	20	0
				A := A AND B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	8C	4	0	0
40	RTI	imp	7	SP += 1; B := *SP	B0	56	0	0	0	0
			vs	P := *SP; SP += 1	70	56	0	0	30	0
			6	PCL := *SP; SP += 1	80	56	0	0	30	0
				PCH := *SP; SP += 1	90	56	0	0	30	0
				PBR := *SP	B0	52	0	0	30	1
				IR := *PC; PC += 1; END	0	8	0	4	0	0
41	EOR	X,ind	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP	10	42	0	0	30	40
				B := *DPt	B0	22	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
42	CFG	#	4	T := A	50	2	8	40	0	0
				A := CFG	AC	2	8	40	6	0
				CFG := T; IR := *PC; PC += 1; END	B5	8	8	44	0	6
43	EOR	d,s	5	DPL := B + SP	2	2	C8	40	0	0
			vs	DPH := 1	10	2	8	8	0	0
			4	B := *DP	B0	12	0	0	30	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
44	MVP	DPK,DPK v	3	DPH := *PC; PC += 1	10	0	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
45	EOR	zpg	3	B := *zDP	B0	42	0	0	30	40
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0



46	LSR	zpg	5	B := *zDP; ML	C0	42	0	0	30	40
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*zDP := T	F5	42	0	0	30	40
				IR := *PC; PC += 1; END	0	8	0	4	0	0
47	EOR	zpg lng	6	T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP; DPL += 1	10	44	0	0	30	40
				TBR := *zDP	B0	42	0	0	30	43
				B := *DPT	B0	22	0	0	20	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
48	PHA	imp	3	*SP := A; SP -= 1	F0	57	0	0	30	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
49	EOR	#	2	A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
4A	LSR	A	2	A := A LSR 0; SETF(NZC); IR := *PC; PC += 1; END	A0	8	AD	24	0	0
4B	PHK	imp	3	*SP := PBR; SP -= 1	FC	57	0	0	31	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
4C	JMP	abs	3	DPH := *PC; PC += 1	10	0	0	0	0	0
				IR := *DP; PC += 1; END	B0	18	0	4	0	0
4D	EOR	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
4E	LSR	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
4F	EOR	abs lng	5	DPH := *PC; PC += 1	10	0	0	0	0	0
				TBR := *PC; PC += 1	B0	0	0	0	0	3
				B := *DP	B0	12	0	0	20	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
50	BVC	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
51	EOR	ind,Y	6*	B := *zDP; DPL += 1	B0	44	0	0	30	40
			vs	DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	30	40
			5*	TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
52	EOR	(zpg)	5	T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP	10	42	0	0	30	40
				B := *DPT	B0	22	0	0	10	0

				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
53	EOR	(d,s),Y	8*	DPL := B + SP	2	2	C8	40	0	0
			vs	DPH := 1	10	2	8	8	0	0
			7*	B := *DP; DPL += 1	B0	14	0	0	30	0
				DPL := B + Y; DPH.db := *DP; INCDPH.C	4	92	C8	42	30	0
				TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
				B := *DP	B0	12	0	0	30	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
54	MVN	<sup>brk,brk</sup> <sub>k</sub>	3	DPH := *PC; PC += 1	10	0	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
55	EOR	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	30	40
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
56	LSR	zpg,X	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	30	40
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*zDP := T	F5	42	0	0	30	40
				IR := *PC; PC += 1; END	0	8	0	4	0	0
57	EOR	<sup>(ind</sup> <sub>lng)</sub> Y	8	B := *zDP; DPL += 1	B0	44	0	0	30	40
			vs	T := B + Y; DPH.db := *zDP; DPL += 1	54	C4	C8	40	30	40
			6	DPH := DPH + 0; USE(IC); TBR.db := *zDP	11	42	8	58	30	63
				TBR := TBR + 0; USE(IC)	BC	2	8	58	3	3
				DPL := T	5	2	8	40	0	0
				B := *DP	B0	12	0	0	20	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
58	CLI	imp	2	SETF(OPCODE 0); IR := *PC; PC += 1; END	B0	8	9	4	0	0
59	EOR	abs,Y	5*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
			vs	TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
			4*	B := *DP	B0	12	0	0	10	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
5A	PHY	imp	3	*SP := Y; SP -= 1	F4	57	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
5B	TCD	imp	2	DH := BAR; SETF(NZ); IR := *PC; PC += 1; END	BC	8	C	44	5	4
5C	JMP	abs lng	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				PBR := *PC; PC += 1	B0	0	0	0	0	1
				IR := *DP; PC += 1; END	B0	18	0	4	0	0
5D	EOR	abs,X	5*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
			vs	TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
			4*	B := *DP	B0	12	0	0	20	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
5E	LSR	abs,X	7*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0

			vs	TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
			6*	B := *DP; ML	C0	12	0	0	20	0
				T := 0 LSR B; SETF(NZC)	5B	32	CD	20	0	0
				*DP := T	F5	12	0	0	20	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
5F	EOR	abs lng,X	6	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
			vs	DPH := DPH + 0; USE(IC); TBR.db := *PC; PC +=1	11	0	8	58	0	23
			5*	TBR := TBR + 0; USE(IC)	BC	2	8	58	3	3
				B := *DP	B0	12	0	0	20	0
				A := A EOR B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	6C	4	0	0
60	RTS	imp	6	SP += 1; B := *SP	B0	56	0	0	0	0
				PCL := *SP; SP += 1	80	56	0	0	30	0
				PCH := *SP	90	52	0	0	30	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
61	ADC	X,ind	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP	10	42	0	0	30	40
				B := *DPt	B0	22	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
62	PER	PC rel	6	DPL := PCL + B + 1; B := *PC	8	2	C8	48	0	0
				DPH := PCH + B; USE(IC); B := *PC; PC +=1	19	0	C8	58	0	0
				*SP := DPH; SP -= 1	F1	57	0	0	30	0
				*SP := DPL; SP -= 1	FA	57	0	0	30	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
63	ADC	d,s	5	DPL := B + SP	2	2	C8	40	0	0
			vs	DPH := 1	10	2	8	8	0	0
			4	B := *DP	B0	12	0	0	30	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
64	STZ	zpg	3	*zDP := 0	FB	42	0	0	30	40
				IR := *PC; PC += 1; END	0	8	0	4	0	0
65	ADC	zpg	3	B := *zDP	B0	42	0	0	30	40
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
66	ROR	zpg	5	B := *zDP; ML	C0	42	0	0	30	40
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*zDP := T	F5	42	0	0	30	40
				IR := *PC; PC += 1; END	0	8	0	4	0	0
67	ADC	zpg lng	6	T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP; DPL += 1	10	44	0	0	30	40
				TBR := *zDP	B0	42	0	0	30	40
				B := *DPt	B0	22	0	0	20	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
68	PLA	imp	4	SP += 1; B := *SP	B0	56	0	0	0	0

				B := *SP	B0	52	0	0	30	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
69	ADC	#	2	A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
6A	ROR	A	2	A := A ROR 0; SETF(NZC); IR := *PC; PC += 1; END	A0	8	AD	2C	0	0
6B	RTL	imp	7	SP += 1; B := *SP	B0	56	0	0	0	0
			vs	PCL := *SP; SP += 1	80	56	0	0	30	0
			6	PCH := *SP; SP += 1	90	56	0	0	30	0
				PBR := *SP	B0	52	0	0	30	1
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
6C	JMP	(abs)	5	DPH := *PC; PC += 1	10	0	0	0	0	0
				DPL := *DP; PC += 1	0	10	0	0	0	0
				DPH := *PC; PC += 1	10	0	0	0	0	0
				IR := *DP; PC += 1; END	B0	18	0	4	0	0
6D	ADC	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
6E	ROR	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
6F	ADC	abs lng	5	DPH := *PC; PC += 1	10	0	0	0	0	0
				TBR := *PC; PC += 1	B0	0	0	0	0	3
				B := *DP	B0	12	0	0	20	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
70	BVS	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
71	ADC	ind,Y	6*	B := *zDP; DPL += 1	B0	44	0	0	30	40
			vs	DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	30	40
			5*	TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
72	ADC	(zpg)	5	T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP	10	42	0	0	30	40
				B := *DPt	B0	22	0	0	10	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
73	ADC	(d,s),Y	8*	DPL := B + SP	2	2	C8	40	0	0
			vs	DPH := 1	10	2	8	8	0	0
			7*	B := *DP; DPL += 1	B0	14	0	0	30	0
				DPL := B + Y; DPH.db := *DP; INCDPH.C	4	92	C8	42	30	0

				TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
74	STZ	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				*zDP := 0	FB	42	0	0	30	40
				IR := *PC; PC += 1; END	0	8	0	4	0	0
75	ADC	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	30	40
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
76	ROR	zpg,X	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	30	40
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*zDP := T	F5	42	0	0	30	40
				IR := *PC; PC += 1; END	0	8	0	4	0	0
77	ADC	(ind lnol,Y	7	B := *zDP; DPL += 1	B0	44	0	0	30	40
			vs	T := B + Y; DPH.db := *zDP; DPL += 1	54	C4	C8	40	30	40
			6	DPH := DPH + 0; USE(IC); TBR.db := *zDP	11	42	8	58	30	63
				TBR := TBR + 0; USE(IC)	BC	2	8	58	3	3
				DPL := T	5	2	8	40	0	0
				B := *DP	B0	12	0	0	20	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
78	SEI	imp	2	SETF(OPCODE 1); IR := *PC; PC += 1; END	B0	8	F9	4	0	0
79	ADC	abs,Y	5*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
			vs	TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
			4*	B := *DP	B0	12	0	0	20	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
7A	PLY	imp	4	SP += 1; B := *SP	B0	56	0	0	0	0
				B := *SP	B0	52	0	0	30	0
				Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
7B	TDC	imp	3	A := 0	AB	2	8	0	0	0
			vs 2	BAR := DH; SETF(NZ); IR := *PC; PC += 1; END	BC	8	C	44	4	5
7C	JMP	(abs,X)	6	PCL := B + X; B := *PC	83	2	C8	40	0	0
				PCH := B + 0; USE(IC)	90	32	C8	18	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
				DPH := *PC; PC += 1	10	0	0	0	0	0
				IR := *DP; PC += 1; END	B0	18	0	4	0	0
7D	ADC	abs,X	5*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
			vs	TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
			4*	B := *DP	B0	12	0	0	20	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
7E	ROR	abs,X	7*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
			vs	TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3

			6*	B := *DP; ML	C0	12	0	0	20	0
				T := 0 ROR B; SETF(NZC)	5B	32	CD	28	0	0
				*DP := T	F5	12	0	0	20	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
7F	ADC	abs lng,X	6	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
			vs	DPH := DPH + 0; USE(IC); TBR.db := *PC; PC +=1	11	0	8	58	0	23
			5*	TBR := TBR + 0; USE(IC)	BC	2	8	58	3	3
				B := *DP	B0	12	0	0	20	0
				A := A ADC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	CE	55	0	0
80	BRA	rel	3*	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
81	STA	X,ind	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP	10	42	0	0	30	40
				*DPt := A	F0	22	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
82	BRL	rel	4	DPL := PCL + B + 1; B := *PC	8	2	C8	48	0	0
				DPH := PCH + B; USE(IC); B := *PC; PC +=1	19	0	C8	58	0	0
				IR := *DP; PC += 1; END	B0	18	0	4	0	0
83	STA	d,s	5	DPL := B + SP	2	2	C8	40	0	0
			vs	DPH := 1	10	2	8	8	0	0
			4	*DP := A	F0	12	0	0	30	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
84	STY	zpg	3	*zDP := Y	F4	42	0	0	30	40
				IR := *PC; PC += 1; END	0	8	0	4	0	0
85	STA	zpg	3	*zDP := A	F0	42	0	0	30	40
				IR := *PC; PC += 1; END	0	8	0	4	0	0
86	STX	zpg	3	*zDP := X	F3	42	0	0	30	40
				IR := *PC; PC += 1; END	0	8	0	4	0	0
87	STA	zpg lng	6	T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP; DPL += 1	10	44	0	0	30	40
				TBR := *zDP	B0	42	0	0	30	43
				*DPt := A	F0	22	0	0	20	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
88	DEY	imp	2	Y := Y - 1; SETF(NZ); IR := *PC; PC += 1; END	44	8	FC	44	0	0
89	BIT	#	2	A AND B; SETF(Z); BIT; IR := *PC; PC += 1; END	B0	8	8B	34	0	0
8A	TXA	imp	2	A := X; SETF(NZ); IR := *PC; PC += 1; END	A3	8	C	44	0	0
8B	PHB	imp	3	*SP := DBR SP -- 1	FC	57	0	0	32	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0

8C	STY	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				*DP := Y	F4	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
8D	STA	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				*DP := A	F0	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
8E	STX	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				*DP := X	F3	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
8F	STA	abs lng	5	DPH := *PC; PC += 1	10	0	0	0	0	0
				TBR := *PC; PC += 1	B0	0	0	0	0	3
				*DP := A	F0	12	0	0	20	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
90	BCC	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
91	STA	ind,Y	6*	B := *zDP; DPL += 1	B0	44	0	0	30	40
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	30	40
				TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
				*DP := A	F0	12	0	0	20	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
92	STA	(zpg)	5	T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP	10	42	0	0	30	40
				*DPT := A	F0	22	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
93	STA	(d,s),Y	8*	DPL := B + SP	2	2	C8	40	0	0
			vs	DPH := 1	10	2	8	8	0	0
			7*	B := *DP; DPL += 1	B0	14	0	0	30	0
				DPL := B + Y; DPH.db := *DP; INCDPH.C	4	92	C8	42	30	0
				TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
				*DP := A	F0	12	0	0	20	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
94	STY	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				*zDP := Y	F4	42	0	0	30	40
				IR := *PC; PC += 1; END	0	8	0	4	0	0
95	STA	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				*zDP := A	F0	42	0	0	30	40
				IR := *PC; PC += 1; END	0	8	0	4	0	0
96	STX	zpg,Y	4	DPL := B + Y; B := *PBA	4	32	C8	40	0	0
				*zDP := X	F3	42	0	0	30	40
				IR := *PC; PC += 1; END	0	8	0	4	0	0

97	STA	(ind lng)Y	8	B := *zDP; DPL += 1	B0	44	0	0	30	40
			vs	T := B + Y; DPH.db := *zDP; DPL +=1	54	C4	C8	40	30	40
			6	DPH := DPH + 0; USE(IC); TBR.db := *zDP	11	42	8	58	30	63
				TBR := TBR + 0; USE(IC)	BC	2	8	58	3	3
				DPL := T	5	2	8	40	0	0
				*DP := A	F0	12	0	0	20	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
98	TYA	imp	2	A := Y; SETF(NZ); IR := *PC; PC += 1; END	A4	8	C	44	0	0
99	STA	abs,Y	5*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
				*DP := A	F0	12	0	0	20	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
9A	TXS	imp	2	SP := X; IR := *PC; PC += 1; END	23	8	8	44	0	0
9B	TXY	imp	2	Y := X; SETF(NZ); IR := *PC; PC += 1; END	43	8	C	44	0	0
9C	STZ	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				*DP := 0	FB	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
9D	STA	abs,X	5*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
				*DP := A	F0	12	0	0	20	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
9E	STZ	abs,X	5	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
				*DP := 0	FB	12	0	0	20	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
9F	STA	abs lng,X	6	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
			vs	DPH := DPH + 0; USE(IC); TBR.db := *PC; PC +=1	11	0	8	58	0	23
			5*	TBR := TBR + 0; USE(IC)	BC	2	8	58	3	3
				*DP := A	F0	12	0	0	20	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
A0	LDY	#	2	Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
A1	LDA	X,ind	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP	10	42	0	0	30	40
				B := *DPt	B0	22	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
A2	LDX	#	2	X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
A3	LDA	d,s	5	DPL := B + SP	2	2	C8	40	0	0
			vs	DPH := 1	10	2	8	8	0	0
			4	B := *DP	B0	12	0	0	30	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0



A4	LDY	zpg	3	B := *zDP Y := B; SETF(NZ); IR := *PC; PC += 1; END	B0	42	0	0	30	40
					40	8	CC	4	0	0
A5	LDA	zpg	3	B := *zDP A := B; SETF(NZ); IR := *PC; PC += 1; END	B0	42	0	0	30	40
					A0	8	CC	4	0	0
A6	LDX	zpg	3	B := *zDP X := B; SETF(NZ); IR := *PC; PC += 1; END	B0	42	0	0	30	40
					30	8	CC	4	0	0
A7	LDA	zpg lng	6	T := *zDP; DPL += 1 DPH := *zDP; DPL += 1 TBR := *zDP A := *DPt IR := *PC; PC += 1; END	50	44	0	0	30	40
					10	44	0	0	30	40
					B0	42	0	0	30	43
					F4	42	0	0	20	0
					0	8	0	4	0	0
A8	TAY	imp	2	Y := A; SETF(NZ); IR := *PC; PC += 1; END	40	8	C	44	0	0
A9	LDA	#	2	A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
AA	TAX	imp	2	X := A; SETF(NZ); IR := *PC; PC += 1; END	30	42	0	0	10	0
AB	PLB	imp	4	SP += 1; B := *SP B := *SP DBR := B; SETF(NZ); IR := *PC; PC += 1; END	B0	56	0	0	0	0
					B0	52	0	0	30	0
					B0	8	CC	4	0	2
AC	LDY	abs	4	DPH := *PC; PC += 1 B := *DP Y := B; SETF(NZ); IR := *PC; PC += 1; END	10	0	0	0	0	0
					B0	12	0	0	10	0
					40	8	CC	4	0	0
AD	LDA	abs	4	DPH := *PC; PC += 1 B := *DP A := B; SETF(NZ); IR := *PC; PC += 1; END	10	0	0	0	0	0
					B0	12	0	0	10	0
					A0	8	CC	4	0	0
AE	LDX	abs	4	DPH := *PC; PC += 1 B := *DP X := B; SETF(NZ); IR := *PC; PC += 1; END	10	0	0	0	0	0
					B0	12	0	0	10	0
					30	8	CC	4	0	0
AF	LDA	abs lng	5	DPH := *PC; PC += 1 TBR := *PC; PC += 1 B := *DP A := B; SETF(NZ); IR := *PC; PC += 1; END	10	0	0	0	0	0
					B0	0	0	0	0	3
					B0	12	0	0	20	0
					A0	8	CC	4	0	0
B0	BCS	rel	2**	PCL := PCL + B; EXIT.CC PCH = PCH + signextend(*); USE(IC) IR := *PC; PC += 1; END	88	2	C8	41	0	0
					99	2	C8	78	0	0
					0	8	0	4	0	0
B1	LDA	ind,Y	6*	B := *zDP; DPL += 1 vs DPL := B + Y; DPH.db := *zDP; INCDPH.C 5* TBR := DBR + 0; USE(IC) B := *DP A := B; SETF(NZ); IR := *PC; PC += 1; END	B0	44	0	0	30	40
					4	C2	C8	42	30	40
					BC	2	8	58	2	3
					B0	12	0	0	20	0
					A0	8	CC	4	0	0

B2	LDA	(zpg)	5	T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP	10	42	0	0	30	40
				B := *DPt	B0	22	0	0	10	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
B3	LDA	(d,s),Y	8*	DPL := B + SP	2	2	C8	40	0	0
			vs	DPH := 1	10	2	8	8	0	0
			7*	B := *DP; DPL += 1	B0	14	0	0	30	0
				DPL := B + Y; DPH.db := *DP; INCDPH.C	4	92	C8	42	30	0
				TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
B4	LDY	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	30	40
				Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
B5	LDA	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	30	40
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
B6	LDX	zpg,Y	4	DPL := B + Y; B := *PBA	4	32	C8	40	0	0
				B := *zDP	B0	42	0	0	30	40
				X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
B7	LDA	(ind lnd),Y	8	B := *zDP; DPL += 1	B0	44	0	0	30	40
			vs	T := B + Y; DPH.db := *zDP; DPL += 1	54	C4	C8	40	30	40
			6	DPH := DPH + 0; USE(IC); TBR.db := *zDP	11	42	8	58	30	63
				TBR := TBR + 0; USE(IC)	BC	2	8	58	3	3
				DPL := T	5	2	8	40	0	0
				B := *DP	B0	12	0	0	20	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
B8	CLV	imp	2	SETF(OPCODE 0); IR := *PC; PC += 1; END	B0	8	9	4	0	0
B9	LDA	abs,Y	5*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
BA	TSX	imp	2	X := SP; SETF(NZ); IR := *PC; PC += 1; END	32	8	C	44	0	0
BB	TYX	inp	2	X := Y; SETF(NZ); IR := *PC; PC += 1; END	34	8	C	44	0	0
BC	LDY	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				Y := B; SETF(NZ); IR := *PC; PC += 1; END	40	8	CC	4	0	0
BD	LDA	abs,X	5*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
			vs	TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
			4*	B := *DP	B0	12	0	0	20	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0

BE	LDX	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
BF	LDA	abs lng,X	6	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
			vs	DPH := DPH + 0; USE(IC); TBR.db := *PC; PC +=1	11	0	8	58	0	23
			5*	TBR := TBR + 0; USE(IC)	BC	2	8	58	3	3
				B := *DP	B0	12	0	0	20	0
				A := B; SETF(NZ); IR := *PC; PC += 1; END	A0	8	CC	4	0	0
C0	CPY	#	2	Y CMP B; SETF(NZC); IR := *PC; PC += 1; END	B4	8	3D	4C	0	0
C1	CMP	X,ind	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP	10	42	0	0	30	40
				B := *DPt	B0	22	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
C2	REP	#	2	P := P AND !B; IR := *PC; PC += 1; END	77	8	28	4	0	0
C3	CMP	d,s	5	DPL := B + SP	2	2	C8	40	0	0
			vs	DPH := 1	10	2	8	8	0	0
			4	B := *DP	B0	12	0	0	30	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
C4	CPY	zpg	3	B := *zDP	B0	42	0	0	30	40
				Y CMP B; SETF(NZC); IR := *PC; PC += 1; END	B4	8	3D	4C	0	0
C5	CMP	zpg	3	B := *zDP	B0	42	0	0	30	40
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
C6	DEC	zpg	5	B := *zDP; ML	C0	42	0	0	30	40
				T := B - 1; SETF(NZ)	50	32	FC	80	0	0
				*zDP := T	F5	42	0	0	30	40
				IR := *PC; PC += 1; END	0	8	0	4	0	0
C7	CMP	zpg lng	6	T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP; DPL += 1	10	44	0	0	30	40
				TBR := *zDP	B0	42	0	0	30	43
				B := *DPt	B0	22	0	0	20	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
C8	INY	imp	2	Y := Y + 1; SETF(NZ); IR := *PC; PC += 1; END	44	8	C	4C	0	0
C9	CMP	#	2	A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
CA	DEX	imp	2	X := X - 1; SETF(NZ); IR := *PC; PC += 1; END	33	8	FC	44	0	0
CB	WAI	imp	3	WAI; IR := *PC; PC += 1; END	D0	8	0	4	0	0
CC	CPY	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0

				B := *DP	B0	12	0	0	10	0
				Y CMP B; SETF(NZC); IR := *PC; PC += 1; END	B4	8	3D	4C	0	0
CD	CMP	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
CE	DEC	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := B - 1; SETF(NZ)	50	32	FC	80	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
CF	CMP	abs lng	5	DPH := *PC; PC += 1	10	0	0	0	0	0
				TBR := *PC; PC += 1	B0	0	0	0	0	3
				B := *DP	B0	12	0	0	20	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
D0	BNE	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
D1	CMP	ind,Y	5*	B := *zDP; DPL += 1	B0	44	0	0	30	40
				DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	30	40
				TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
D2	CMP	(zpg)	5	T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP	10	42	0	0	30	40
				B := *DPT	B0	22	0	0	10	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
D3	CMP	(d,s),Y	8*	DPL := B + SP	2	2	C8	40	0	0
			vs	DPH := 1	10	2	8	8	0	0
			7*	B := *DP; DPL += 1	B0	14	0	0	30	0
				DPL := B + Y; DPH.db := *DP; INCDPH.C	4	92	C8	42	30	0
				TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
D4	PEI	imm	6	T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP	10	42	0	0	30	40
				*SP := DPH; SP -= 1	F1	57	0	0	30	0
				*SP := T; SP -= 1	F5	57	0	0	30	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
D5	CMP	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	30	40
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
D6	DEC	zpg,X	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	30	40

				T := B - 1; SETF(NZ)	50	32	FC	80	0	0
				*zDP := T	F5	42	0	0	30	40
				IR := *PC; PC += 1; END	0	8	0	4	0	0
D7	CMP	(ind lna)Y	8	B := *zDP; DPL += 1	B0	44	0	0	30	40
			vs	T := B + Y; DPH.db := *zDP; DPL +=1	54	C4	C8	40	30	40
			6	DPH := DPH + 0; USE(IC); TBR.db := *zDP	11	42	8	58	30	63
				TBR := TBR + 0; USE(IC)	BC	2	8	58	3	3
				DPL := T	5	2	8	40	0	0
				B := *DP	B0	12	0	0	20	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
D8	CLD	imp	2	SETF(OPCODE 0); IR := *PC; PC += 1; END	B0	8	9	4	0	0
D9	CMP	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0
				TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
DA	PHX	imp	3	*SP := X; SP -= 1	F3	57	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
DB	STP	imp	3	STP; IR := *PC; PC += 1; END	BD	8	0	4	0	0
DC	JMP	(abs lna)	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				DPL := *DP; PC += 1	0	10	0	0	0	0
				DPH := *PC; PC += 1	10	0	0	0	0	0
				PBR := *PC; PC += 1	B0	0	0	0	0	1
				IR := *DP; PC += 1; END	B0	18	0	4	0	0
DD	CMP	abs,X	5*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
			vs	TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
			4*	B := *DP	B0	12	0	0	20	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
DE	DEC	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *PBA	11	32	8	58	0	0
				TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
				B := *DP; ML	C0	12	0	0	20	0
				T := B - 1; SETF(NZ)	50	32	FC	80	0	0
				*DP := T	F5	12	0	0	20	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
DF	CMP	abs lng,X	6	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
			vs	DPH := DPH + 0; USE(IC); TBR.db := *PC; PC +=1	11	0	8	58	0	23
			5*	TBR := TBR + 0; USE(IC)	BC	2	8	58	3	3
				B := *DP	B0	12	0	0	20	0
				A CMP B; SETF(NZC); IR := *PC; PC += 1; END	B0	8	3D	4C	0	0
E0	CPX	#	2	X CMP B; SETF(NZC); IR := *PC; PC += 1; END	B3	8	3D	4C	0	0
E1	SBC	X,ind	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				T := *zDP; DPL += 1	50	44	0	0	30	40

				DPH := *zDP	10	42	0	0	30	40
				B := *DPt	B0	22	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
E2	SEP	#	2	P := P OR B; IR := *PC; PC += 1; END	77	8	E8	4	0	0
E3	SBC	d,s	5	DPL := B + SP	2	2	C8	40	0	0
			vs	DPH := 1	10	2	8	8	0	0
			4	B := *DP	B0	12	0	0	30	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
E4	CPX	zpg	3	B := *zDP	B0	42	0	0	30	40
				X CMP B; SETF(NZC); IR := *PC; PC += 1; END	B3	8	3D	4C	0	0
E5	SBC	zpg	3	B := *zDP	B0	42	0	0	30	40
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
E6	INC	zpg	5	B := *zDP; ML	C0	42	0	0	30	40
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*zDP := T	F5	42	0	0	30	40
				IR := *PC; PC += 1; END	0	8	0	4	0	0
E7	SBC	zpg lng	6	T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP; DPL += 1	10	44	0	0	30	40
				TBR := *zDP	B0	42	0	0	30	43
				B := *DPt	B0	22	0	0	20	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
E8	INX	imp	2	X := X + 1; SETF(NZ); IR := *PC; PC += 1; END	33	8	C	4C	0	0
E9	SBC	#	2	A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
EA	NOP	imp	2	IR := *PC; PC += 1; END	0	8	0	4	0	0
EB	XBA	imp	4	T := BAR	5C	2	8	40	5	0
				BAR := A	B0	2	8	40	0	5
				A := T; IR := *PC; PC += 1; END	A5	8	8	44	0	0
EC	CPX	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				X CMP B; SETF(NZC); IR := *PC; PC += 1; END	B3	8	3D	4C	0	0
ED	SBC	abs	4	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP	B0	12	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
EE	INC	abs	6	DPH := *PC; PC += 1	10	0	0	0	0	0
				B := *DP; ML	C0	12	0	0	10	0
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*DP := T	F5	12	0	0	10	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
EF	SBC	abs lng	5	DPH := *PC; PC += 1	10	0	0	0	0	0

				TBR := *PC; PC += 1	B0	0	0	0	0	3
				B := *DP	B0	12	0	0	20	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
F0	BEQ	rel	2**	PCL := PCL + B; EXIT.CC	88	2	C8	41	0	0
				PCH = PCH + signextend(*); USE(IC)	99	2	C8	78	0	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
F1	SBC	ind,Y	6*	B := *zDP; DPL += 1	B0	44	0	0	30	40
			vs	DPL := B + Y; DPH.db := *zDP; INCDPH.C	4	C2	C8	42	30	40
			5*	TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
F2	SBC	(zpg)	5	T := *zDP; DPL += 1	50	44	0	0	30	40
				DPH := *zDP	10	42	0	0	30	40
				B := *DPt	B0	22	0	0	10	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
F3	SBC	(d,s),Y	8*	DPL := B + SP	2	2	C8	40	0	0
			vs	DPH := 1	10	2	8	8	0	0
			7*	B := *DP; DPL += 1	B0	14	0	0	30	0
				DPL := B + Y; DPH.db := *DP; INCDPH.C	4	92	C8	42	30	0
				TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
F4	PEA	imp	5	DPH := *PC; PC += 1	10	0	0	0	0	0
				*SP := DPH; SP -= 1	F1	57	0	0	30	0
				*SP := DPL; SP -= 1	FA	57	0	0	30	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
F5	SBC	zpg,X	4	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP	B0	42	0	0	30	40
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
F6	INC	zpg,X	6	DPL := B + X; B := *PBA	3	32	C8	40	0	0
				B := *zDP; ML	C0	42	0	0	30	40
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*zDP := T	F5	42	0	0	30	40
				IR := *PC; PC += 1; END	0	8	0	4	0	0
F7	SBC	(ind lnd),Y	8	B := *zDP; DPL += 1	B0	44	0	0	30	40
			vs	T := B + Y; DPH.db := *zDP; DPL += 1	54	C4	C8	40	30	40
			6	DPH := DPH + 0; USE(IC); TBR.db := *zDP	11	42	8	58	30	63
				TBR := TBR + 0; USE(IC)	BC	2	8	58	3	3
				DPL := T	5	2	8	40	0	0
				B := *DP	B0	12	0	0	20	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
F8	SED	imp	2	SETF(OPCODE 1); IR := *PC; PC += 1; END	B0	8	F9	4	0	0
F9	SBC	abs,Y	4*	DPL := B + Y; DPH.db := *PC; PC += 1; INCDPH.C	4	80	C8	42	0	0

				TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
FA	PLX	imp	4	SP += 1; B := *SP	B0	56	0	0	0	0
				B := *SP	B0	52	0	0	30	0
				X := B; SETF(NZ); IR := *PC; PC += 1; END	30	8	CC	4	0	0
FB	NOP1		1	IR := *PC; PC += 1; END	0	8	0	4	0	0
FC	JSR	(abs,x)	8	*SP := PCH; SP -= 1	F9	57	0	0	30	0
			vs	*SP := PCL; SP -= 1	F8	57	0	0	30	0
			6	PCL := B + X; B := *PC	83	2	C8	40	0	0
				PCH := B + 0; USE(IC)	90	32	C8	18	0	0
				DPL := B := *PC; PC += 1	0	0	0	0	0	0
				DPH := *PC; PC += 1	10	0	0	0	0	0
				IR := *DP; PC += 1; END	B0	18	0	4	0	0
FD	SBC	abs,X	4*	DPL := B + X; DPH.db := *PC; PC += 1; INCDPH.C	3	80	C8	42	0	0
				TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
				B := *DP	B0	12	0	0	20	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0
FE	INC	abs,X	7	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
				DPH := DPH + 0; USE(IC); B := *PBA	11	32	8	58	0	0
				TBR := DBR + 0; USE(IC)	BC	2	8	58	2	3
				B := *DP; ML	C0	12	0	0	20	0
				T := B + 1; SETF(NZ)	50	32	C	88	0	0
				*DP := T	F5	12	0	0	20	0
				IR := *PC; PC += 1; END	0	8	0	4	0	0
FF	SBC	abs lng,X	6	DPL := B + X; DPH.db := *PC; PC += 1	3	80	C8	40	0	0
			vs	DPH := DPH + 0; USE(IC); TBR.db := *PC; PC +=1	11	0	8	58	0	23
			5*	TBR := TBR + 0; USE(IC)	BC	2	8	58	3	3
				B := *DP	B0	12	0	0	20	0
				A := A SBC B; SETF(NZCV); IR := *PC; PC += 1; END.D	A0	8	3E	55	0	0





Bruce Lee  
 Project Stealth Fighter  
 Ultima III

M.U.L./E  
 Project Firestart  
 MicroProse Soccer  
 Summer Games  
 Airborne Ranger  
 Katakis  
 World Class Leader board  
 Creatures 2  
 H.E.R.O  
 Jumpman  
 Way of the exploding fist, The  
 Wizard of Wor  
 Lode Runner

**Demos**

We Are In		Nothing
Vicious SID		Npothing
Unsound minds	Test w/ 6510	Need to see it on 6510. Screen blanks after a while but looks ok.
Transform Focus		Blue and Purple screens
The Wild Bunch		Test pattern on screen?
Snapshot		Nothing
Sharp		Hangs w/ flicker screen
Noice Pseudocode	Passed	
Pearls		
1000 miles from earth		
Natural Wonders		Screen blanks ...
Meka ... Instinct & Booze		flash flash oyut to basic?
Mathem		Please turn disc ...
Insomnia C64 Forever		Cannot run on NTSC machines
Error23		Flashing screen then blank loading?
Empirion		music -- disk drive should be cycle exact
Edge of disgrace		
Dutch Breeze		Hangs after credits with music playing
Deus Ex Machina		Blue Screen
Das Gotler		Blue Screen
Cauldron	Failed.	Runs and the hangs -- suspect missing NMI ... USES LAX UFO.
Boggie Factor		
Andropolis		Flash then hang