Base

Base		0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
								LOW NIBBLE									
HIGH NIBBLE	0	BRK #	ORA (bp,x)	CLE	SEE	TSB bp	ORA bp	ASL bp	RMB0 bp	PHP	ORA #	ASL A	TSY	TSB a	ORA a	ASL a	BBR0 bp,r
	1	BPL/BNC r	ORA (bp),y	ORA (bp),z	BPL/BNC rr	TRB bp	ORA bp,x	ASL bp,x	RMB1 bp	CLC	ORA a,y	INA/INC A	INZ/INC Z	TRB a	ORA a,x	ASL a,x	BBR1 bp,r
	2	JSR a	AND (bp,x)	JSR (a)	JSR (a,x)	BIT bp	AND bp	ROL bp	RMB2 bp	PLP	AND #	ROL A	TYS	BIT a	AND a	ROL a	BBR2 bp,r
	3	BMI/BNS r	AND (bp),y	AND (bp),z	BMI/BNS rr	BIT bp,x	AND bp,x	ROL bp,x	RMB3 bp	SEC	AND a,y	DEC A	DEZ/DEC Z	BIT a,x	AND a,x	ROL a,x	BBR3 bp,r
	4	RTI	XOR (bp,x)	NEG A	ASR A	ASR bp	XOR bp	LSR bp	RMB4 bp	PHA	XOR #	LSR A	TAZ	JMP a	XOR a	LSR a	BBR4 bp,r
	5	BVC r	XOR (bp),y	XOR (bp),z	BVC rr	ASR bp,x	XOR bp,x	LSR bp,x	RMB5 bp	CLI	XOR a,y	PHY	TAB	EXTENDED	XOR a,x	LSR a,x	BBR5 bp,r
	6	RTS	ADC (bp,x)	RTN #	BSR rr	STZ bp	ADC bp	ROR bp	RMB6 bp	PLA	ADC #	ROR A	TZA	JMP (a)	ADC a	ROR a	BBR6 bp,r
	7	BVS r	ADC (bp),y	ADC (bp),z	BVS rr	STZ bp,x	ADC bp,x	ROR bp,x	RMB7 bp	SEI	ADC a,y	PLY	TBA	JMP (a,x)	ADC a,x	ROR a,x	BBR7 bp,r
	8	BRA r	STA (bp,x)	STA (d,sp),y	BRA rr	STY bp	STA bp	STX bp	SMB0 bp	DEY/DEC Y	BIT #	TXA	STY a,x	STY a	STA a	STX a	BBS0 bp,r
	9	BCC r	STA (bp),y	STA (bp),z	BCC rr	STY bp,x	STA bp,x	STX bp,y	SMB1 bp	TYA	STA a,y	TXS	STX a,y	STZ a	STA a,x	STZ a,x	BBS1 bp,r
	A	LDY #	LDA (bp,x)	LDX #	LDZ #	LDY bp	LDA bp	LDX bp	SMB2 bp	TAY	LDA #	TAX	LDZ a	LDY a	LDA a	LDX a	BBS2 bp,r
	B	BCS r	LDA (bp),y	LDA (bp),z	BCS rr	LDY bp,x	LDA bp,x	LDX bp,y	SMB3 bp	CLV	LDA a,y	TSX	LDZ a,x	LDY a,x	LDA a,x	LDX a,y	BBS3 bp,r
	C	CPY #	CMP (bp,x)	CPZ #	DEW bp	CPY bp	CMP bp	DEC bp	SMB4 bp	INY/INC Y	CMP #	DEX/DEC X	ASW/ALW a	CPY a	CMP a	DEC a	BBS4 bp,r
	D	BNE/BZC r	CMP (bp),y	CMP (bp),z	BNE/BZC rr	CPZ bp	CMP bp,x	DEC bp,x	SMB5 bp	CLD	CMP a,y	PHX	PHZ	CPZ a	CMP a,x	DEC a,x	BBS5 bp,r
	E	CPX #	SBC (bp,x)	LDA (d,sp),y	INW bp	CPX bp	SBC bp	INC bp	SMB6 bp	INX/INC X	SBC #	NOP	ROW/RLW a	CPX a	SBC a	INC a	BBS6 bp,r
	F	BEQ/BZS r	SBC (bp),y	SBC (bp),z	BEQ/BZS rr	PHW ##	SBC bp,x	INC bp,x	SMB7 bp	SED	SBC a,y	PLX	PLZ	PHW a	SBC a,x	INC a,x	BBS7 bp,r

Extended

Extended		0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
								LOW NIBBLE									
HIGH NIBBLE	0						MUL bp				MUL #				MUL a		
	1						MUL bp,x				MUL a,y				MUL a,x		
	2						MLH bp				MLH a,y				MLH a,x		
	3						MLH bp,x				MLH a,y		RND		MLH a,x		
	4						MOD bp			PHR	MOD #		SWP		MOD a		
	5						MOD bp,x				MOD a,y		SXY		MOD a,x		
	6						DIV bp			PLR	DIV #		SXZ		DIV a		
	7						DIV bp,x				DIV a,y		SYZ		DIV a,x		
	8		STA (bp,x),y	STA sp,y													
	9		STA pc,xy														
	A																
	B																
	C							DCC bp		CBH		LRW a	ARW a			DCC a	
	D							DCC bp,x								DCC a,x	
	E		LDA (bp,x),y	LDA sp,y				ICC bp		CHB			RRW a			ICC a	WAI
	F		LDA pc,xy					ICC bp,x								ICC a,x	STP

Total Instructions: 308
Instructions Left: 204

OPC

0	28	2	2	85	23	85	85	91	22	84	120	87	25	87	19
15	29	30	17	85	24	86	85	2	27	84	105	87	26	88	19
3	28	4	5	67	23	85	85	98	22	84	118	69	25	87	19
16	29	30	18	68	24	86	85	2	27	84	108	70	26	88	19
7	28	21	84	85	23	85	85	92	22	84	112	10	25	87	19
15	29	30	17	86	24	86	85	2	27	94	109	121	26	88	19
8	28	9	6	52	23	85	85	99	22	84	116	11	25	87	19
16	29	30	18	56	24	86	85	2	27	101	113	12	26	88	19
13	46	45	14	51	49	50	85	107	66	114	62	59	57	58	20
15	47	48	17	55	53	54	85	115	64	117	65	60	61	63	20
33	28	32	34	36	23	35	85	111	22	110	41	40	25	39	20
16	29	30	18	38	24	37	85	2	27	119	44	43	26	42	20
76	72	77	89	79	67	85	85	104	66	90	82	69	87	88	20
15	73	74	17	80	68	86	85	2	71	93	95	83	70	88	20
75	28	31	89	78	23	85	85	103	22	1	90	81	25	87	20
16	29	30	18	96	24	86	85	2	27	100	102	97	26	88	20
0	0	0	0	0	23	0	0	0	22	0	0	0	25	0	0
0	0	0	0	0	24	0	0	0	27	0	0	0	26	0	0
0	0	0	0	0	23	0	0	0	22	0	0	0	25	0	0
0	0	0	0	0	24	0	0	0	27	0	122	0	26	0	0
0	0	0	0	0	138	0	0	129	137	0	123	0	140	0	0
0	0	0	0	0	139	0	0	0	142	0	124	0	141	0	0
0	0	0	0	0	138	0	0	130	137	0	125	0	140	0	0
0	0	0	0	0	139	0	0	0	142	0	126	0	141	0	0
0	133	128	0	0	0	0	0	0	0	0	0	0	0	0	0
0	135	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	85	0	84	0	90	90	0	0	87	0
0	0	0	0	0	0	86	0	0	0	0	0	0	0	88	0
0	134	127	0	0	0	85	0	84	0	0	90	0	0	87	131
0	136	0	0	0	0	86	0	0	0	0	0	0	0	88	132

ALU

0	24	5	12	18	24	33	19	0	24	33	0	18	24	33	0
0	24	24	0	17	24	33	19	1	24	29	29	17	24	33	0
0	23	0	0	16	23	39	19	15	23	39	0	16	23	39	0
0	23	23	0	16	23	39	19	8	23	31	31	16	23	39	0
15	25	0	35	35	25	37	19	0	25	37	0	0	25	37	0
0	25	25	0	35	25	37	19	3	25	0	0	0	25	37	0
0	21	0	0	0	21	41	19	0	21	41	0	0	21	41	0
0	21	21	0	0	21	41	19	10	21	0	0	0	21	41	0
0	0	0	0	0	0	0	20	31	16	0	0	0	0	0	0
0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	20	6	0	0	0	0	0	0	0
26	26	26	32	26	26	31	20	29	26	31	34	26	26	31	0
0	26	26	0	26	26	31	20	4	26	0	0	26	26	31	0
26	22	0	30	26	22	29	20	29	22	0	40	26	22	29	0
0	22	22	0	0	22	29	20	11	22	0	0	0	22	29	0
0	0	0	0	0	43	0	0	0	43	0	0	0	43	0	0
0	0	0	0	0	43	0	0	0	43	0	0	0	43	0	0
0	0	0	0	0	44	0	0	0	44	0	0	0	44	0	0
0	0	0	0	0	44	0	0	0	44	0	0	0	44	0	0
0	0	0	0	0	45	0	0	0	45	0	0	0	45	0	0
0	0	0	0	0	45	0	0	0	45	0	0	0	45	0	0
0	0	0	0	0	46	0	0	0	46	0	0	0	46	0	0
0	0	0	0	0	46	0	0	0	46	0	0	0	46	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	28	0	47	0	38	36	0	0	28	0
0	0	0	0	0	0	28	0	0	0	0	0	0	0	28	0
0	0	0	0	0	0	27	0	48	0	0	42	0	0	27	0
0	0	0	0	0	0	27	0	0	0	0	0	0	0	27	0