

id	0	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f
0	brk	ora	---	---	---	ora	asl	---	phr	ora	asl	---	---	ora	asl	---
1	ba1	xxx	---	---	---	xxx	xxx	---	clc	ora	asl	---	---	ora	asl	---
2	jsr	xxx	---	---	bit	xxx	rol	---	plp	and	rol	---	bit	xxx	rol	---
3	xxx	xxx	---	---	xxx	xxx	xxx	---	sec	and	---	---	xxx	xxx	xxx	---
4	xxx	xxx	---	---	xxx	xxx	xxx	---	---	xxx	xxx	---	---	xxx	xxx	xxx
5	rti	eor	---	---	---	eor	lsr	---	pha	eor	lsr	---	jmp	eor	lsr	---
6	xxx	xxx	---	---	---	xxx	xxx	---	---	---	---	---	xxx	xxx	xxx	---
7	bvc	eor	---	---	---	eor	lsr	---	cli	eor	---	---	---	eor	lsr	---
8	rvs	xxx	---	---	---	xxx	xxx	---	pla	adc	ror	---	jmp	xxx	xxx	xxx
9	adc	xxx	---	---	---	xxx	xxx	---	sei	adc	---	---	---	adc	ror	---
0	xxx	xxx	---	---	---	xxx	xxx	---	---	xxx	xxx	---	---	xxx	xxx	xxx
1	---	sta	---	---	sty	xxx	xxx	---	dey	---	txa	---	sty	xxx	xxx	xxx
2	bcc	sta	---	---	sty	sta	stx	---	tya	sta	txs	---	---	sta	---	---
3	ldx	xxx	---	---	xxx	xxx	xxx	---	---	xxx	xxx	---	---	xxx	xxx	xxx
4	ldx	ldx	ldx	ldx	ldx	ldx	ldx	---	---	tax	---	---	ldy	ldx	ldx	ldx
5	xxx	xxx	---	---	xxx	xxx	xxx	---	---	ldx	---	---	---	xxx	xxx	xxx
6	bcs	lda	---	---	ldy	lda	ldx	---	clv	lda	tsx	---	ldy	lda	ldx	---
7	xxx	xxx	---	---	xxx	xxx	xxx	---	---	---	---	---	---	xxx	xxx	xxx
8	cpy	cmp	---	---	cpy	cmp	dec	---	iny	cmp	dex	---	cpy	cmp	dec	---
9	xxx	xxx	---	---	xxx	xxx	xxx	---	---	xxx	---	---	xxx	xxx	xxx	xxx
0	cds	---	---	---	---	xxx	xxx	---	clt	cmp	---	---	---	cmp	dec	---
1	xxx	xxx	---	---	xxx	xxx	xxx	---	---	xxx	xxx	---	---	xxx	xxx	xxx
2	cpv	sbc	---	---	cpv	sbc	inc	---	inx	sbc	nop	---	cpv	sbc	inc	---
3	xxx	xxx	---	---	xxx	xxx	xxx	---	---	xxx	---	---	xxx	xxx	xxx	xxx
4	---	sbc	---	---	---	inc	xxx	---	sed	---	---	---	---	sbc	---	---
5	xxx	xxx	---	---	xxx	xxx	xxx	---	---	xxx	xxx	---	---	xxx	xxx	xxx

Row	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f
0	brk	ora	---	---	---	ora	asl	---	phl	ora	asl	---	ora	xxx	xxx
1	bpl	xxx	---	---	---	ora	asl	---	clc	ora	asl	---	ora	asl	---
2	jsr	and	---	---	bit	xxx	rol	---	plp	and	rol	---	and	rol	---
3	bnd	xxx	---	---	---	and	rol	---	sec	and	xxx	---	and	xxx	---
4	xxx	xxx	---	---	---	xxx	xxx	---	xxx	xxx	xxx	---	xxx	xxx	---
5	rti	eor	---	---	---	eor	lsl	---	pha	eor	lsl	---	jmp	eor	lsl
6	bvc	xxx	---	---	---	eor	lsl	---	cli	eor	---	---	eor	lsl	---
7	rtv	xxx	---	---	---	xxx	rol	---	pla	xxx	rol	---	jmp	xxx	xxx
8	xxx	xxx	---	---	---	adc	ror	---	pld	xxx	ror	---	xxx	xxx	---
9	xxx	xxx	---	---	---	adc	ror	---	sei	adc	---	---	adc	ror	---
10	---	xxx	---	---	---	xxx	xxx	---	---	xxx	---	---	xxx	xxx	---
11	---	xxx	---	---	---	xxx	xxx	---	---	xxx	---	---	xxx	xxx	---
12	bcc	sta	---	---	---	sta	stx	---	tya	sta	txs	---	sta	---	---
13	ldy	lda	---	---	---	ldx	ldy	---	lda	lda	---	---	lda	ldx	---
14	xxx	xxx	---	---	---	xxx	xxx	---	---	xxx	---	---	xxx	xxx	---
15	---	xxx	---	---	---	ldy	lda	---	clv	lda	txs	---	ldy	lda	---
16	---	xxx	---	---	---	xxx	xxx	---	---	xxx	---	---	xxx	xxx	---
17	cpb	cmp	---	---	---	cmp	dec	---	iny	cmp	dex	---	cpy	xxx	---
18	---	xxx	---	---	---	xxx	xxx	---	---	xxx	---	---	xxx	xxx	---
19	---	xxx	---	---	---	xxx	xxx	---	---	xxx	---	---	xxx	xxx	---
20	---	xxx	---	---	---	xxx	xxx	---	---	xxx	---	---	xxx	xxx	---
21	---	xxx	---	---	---	xxx	xxx	---	---	xxx	---	---	xxx	xxx	---
22	---	xxx	---	---	---	xxx	xxx	---	---	xxx	---	---	xxx	xxx	---
23	---	xxx	---	---	---	xxx	xxx	---	---	xxx	---	---	xxx	xxx	---
24	---	xxx	---	---	---	xxx	xxx	---	---	xxx	---	---	xxx	xxx	---
25	---	xxx	---	---	---	xxx	xxx	---	---	xxx	---	---	xxx	xxx	---
26	---	xxx	---	---	---	xxx	xxx	---	---	xxx	---	---	xxx	xxx	---
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28	---	xxx	---	---	---	xxx	xxx	---	---	xxx	---	---	xxx	xxx	---
29	---	xxx	---	---	---	xxx	xxx	---	---	xxx	---	---	xxx	xxx	---
30	---	xxx	---	---	---	xxx	xxx	---	---	xxx	---	---	xxx	xxx	---
31	---	xxx	---	---	---	xxx	xxx	---	---	xxx	---	---	xxx	xxx	---

#	0	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f
0	brk	ora	---	---	---	ora	asl	---	phr	ora	asl	---	---	ora	asl	---
1	bpl	[XX, x]	---	---	---	<XX	<XX	---	clc	or	phx	---	---	ora	xxx	xxx
2	jsr	[XX, y]	---	---	bit	<XX, x	<XX, x	---	clc	or	xxx, y	---	---	ora	xxx	xxx
3	jsr	xxx	[XX, x]	---	and	<XX	<XX	---	plp	and	rol	---	bit	xxx	xxx	xxx
3	---	---	---	<XX	---	and	<XX	---	sec	and	rol	---	xxx	xxx	xxx	---
4	---	[XX, y]	---	---	---	<XX, x	<XX, x	---	---	xxx, y	---	---	---	xxx	xxx	xxx
4	rti	eor	---	---	eor	lsr	<XX	---	pha	eor	lsr	---	jmp	eor	lsr	---
5	---	[XX, x]	---	---	---	<XX	<XX	---	---	---	---	---	xxx	---	---	---
5	bvc	---	---	---	eor	<XX, x	<XX, x	---	cli	eor	---	---	---	eor	lsr	---
6	rvs	adc	---	---	adc	ror	<XX	---	pla	adc	ror	---	jmp	adc	ror	---
6	---	[XX, x]	---	---	---	<XX	<XX	---	---	---	---	---	[XXX]	adc	ror	xxx
7	bvs	adc	---	---	---	adc	ror	---	sei	adc	---	---	---	adc	ror	---
7	---	XX	---	---	---	<XX, x	<XX, x	---	---	xxx, y	---	---	---	xxx	xxx	xxx
8	---	sta	---	---	sty	sta	<XX	---	dey	---	txa	---	sty	sta	xxx	xxx
8	---	[XX, y]	---	---	<XX	---	<XX	---	---	---	---	---	xxx	---	---	---
9	bcc	---	---	---	sty	sta	stx	---	tya	sta	txs	---	---	sta	---	---
A	ldy	[XX, y]	---	---	---	<XX, y	<XX, y	---	---	lda	---	---	---	---	---	---
A	ldx	lda	ldx	---	ldy	ldx	ldx	---	---	lda	txa	---	ldy	lda	ldx	---
B	bcc	[XX, x]	---	---	<XX	<XX	<XX	---	---	phx	---	---	---	xxx	xxx	xxx
B	---	XX	---	---	---	lda	ldx	---	---	lda	txs	---	ldy	lda	ldx	---
C	cpy	[XX, y]	---	---	---	<XX, y	<XX, y	---	---	ldx	---	---	---	xxx	xxx	xxx
C	cpv	---	---	---	---	cmp	dec	---	---	iny	cmp	dex	---	cpy	cmp	---
D	---	[XX, x]	---	---	<XX	cmp	<XX	---	---	phx	---	---	---	xxx	xxx	xxx
D	---	---	---	---	---	cmp	dec	---	---	---	---	---	---	---	---	---
D	bne	[XX, y]	---	---	<XX, x	<XX, x	<XX, x	---	---	xxx, y	---	---	---	xxx	xxx	xxx
E	---	---	---	---	---	sbx	inc	---	---	inc	sbx	nop	---	cpv	sbx	inc
E	---	---	---	---	<XX	<XX	<XX	---	---	phx	---	---	---	xxx	xxx	xxx
F	---	---	---	---	---	sbx	inc	---	---	sed	---	---	---	---	---	---
F	---	[XX, y]	---	---	---	<XX, x	<XX, x	---	---	xxx, y	---	---	---	xxx	xxx	xxx

#	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f
0	brk	ora			ora	asl		php	ora	asl			ora	asl	
1		[XX, x]			<XX	<XX, x			#XX				XXXX	XXXX	
2	lsl				ora	asl		clc	ora	asl			ora	asl	
3		[XX], y			<XX, x	<XX, x			XXXX, y				XXXX, x	XXXX, x	
4	jsr			bit	<XX	<rol		plp		rol		bit	<XX	<rol	
5	XXXX	[XX, x]		<XX	<XX	<XX, x			#XX			XXXX	XXXX	XXXX	
6	lax			and	and	<rol		sec	and			and	XXXX	XXXX	
7		[XX], y			<XX, x	<XX, x			XXXX, y				XXXX, x	XXXX, x	
8	rti	eor			eor	lsr		pha	eor	lsr		jmp	eor	lsr	
9		[XX], y			<XX	<XX, x			#XX			XXXX	XXXX	XXXX	
0	bvc				eor	lsr		cli	eor				eor	lsr	
1		[XX], y			<XX, x	<XX, x			XXXX, y				XXXX, x	XXXX, x	
2	rvs	adc			adc	<rol		pla	adc	<rol		jmp	adc	<rol	
3		[XX, x]			<XX	<XX, x			XXXX, y			[XX]	XXXX	XXXX	
4	bts	adc			adc	<rol		sei	adc				adc	<rol	
5		[XX], y			<XX, x	<XX, x			XXXX, y				XXXX, x	XXXX, x	
6	sta			sty	sty	<XX		dey		txa		sty	sta	sty	
7		[XX], y		<XX	<XX	<XX, x						XXXX	XXXX	XXXX	
8	bcc	sta			sty	sta		tya	sta	txs			sta		
9		[XX], y			<XX, x	<XX, y			XXXX, y				XXXX, x		
0	ldx			ldx	ldx	ldx			sta	tax		ldy	ldx	ldx	
1		[XX], y		#XX	<XX	<XX, x			ldx	#XX		XXXX	XXXX	XXXX	
2	bcs	lda			ldy	lda		clv	lda	tax		ldy	lda	ldx	
3		[XX], y			<XX	<XX, x			<XX	XXXX, x		XXXX	XXXX, y		
4	cpy	cmp			cpy	cmp		iny	cmp	dex		cpy	cmp	dec	
5		[XX], y		<XX	<XX	<XX, x			#XX			XXXX	XXXX	XXXX	
6	bne	cmp			cmp	dec		clt	cmp	<XX, x			cmp	<XX, x	
7		[XX], y			<XX, x	<XX, x							XXXX, x	XXXX, x	
8	cpb	sbc			cpb	sbc		inx	sbc	nop		cpb	sbc	inc	
9		[XX], y			<XX	<XX			#XX			XXXX	XXXX	XXXX	
0	bne	sbc			inc	sbc		sed	inc			sbc	inc		
1		[XX], y			<XX, x	<XX, x			XXXX, y				XXXX, x	XXXX, x	