A = 48 =
$$(0011\ 0000)_2$$
 = $(30)_{16}$
B = 92 = $(0101\ 1100)_2$ = $(5C)_{16}$

Function	expected	result
sum(a,b)	140	$8C)_{16} = (140)_{10}$
diff(a,b)	-44	$D4)_{16} = (-44)_{2's \text{ complement}}$
!a	1100 1111	CF) ₁₆ = 1100 1111
!(a&b)	1110 1111	EF) ₁₆ = 1110 1111
!(a b)	1000 0011	83) ₁₆ = 1000 0011
A & b	0001 0000	10) ₁₆ = 0001 0000
A ^ b	0110 1100	6C) ₁₆ = 0110 1100
A b	0111 1100	7C) ₁₆ = 0111 1100
!(a ^ b)	1001 0011	93) ₁₆ = 1001 0011

										18.000 ns	
Name	Value	0.000 ns	2.000 ns	4.000 ns	6.000 ns	8.000 ns	10.000 ns	12.000 ns		16.000 ns	
¹ clk	0										
> ™ a[7:0]	30					30					
> W b[7:0]	5c	5c									
> ™ sel[15:0]	0100	0001	0002	0004	0008	0010	0020	0040	0080	0100	
le negative	0										
> * out_hi[3:0]	9	8	d	c	e	8	1	6	7	9	
> * out_lo[3:0]	3	c	4		£	3	0	X	c	3	