	0 ns	100 ns	200 ns	300 ns	400 ns	500 ns	600 ns	700 ns	800 ns

a[31:0]   11000101   01001001

b[31:0]   01001001   11000101

cntrl[2:0]   0   1   2   3   4   5   6   7

zero

result[31:0]   01000001   11001101   12001102   11000101   10010000   00000000   0ffff100   00000000   00000001