Time										
	10 sec	20 sec	30 sec	40 sec	50 sec	60 sec	70 sec	80 sec	90 sec	100 sec

clk=1

op[3:0]=1 : 0 | 1 | 5 | 6 | 0

val_a[7:0]=01 : 01 | FF | 01 | 02 | FF

val_b[7:0]=01 : 01 | FE | 01 | 02 | 00 | 01

result[7:0]=00 : 00 | 02 | FD | 00 | FF | 02 | 01 | 00

carrier_flag=0

negative_flag=0

zero_flag=1