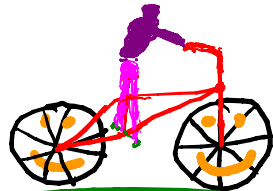
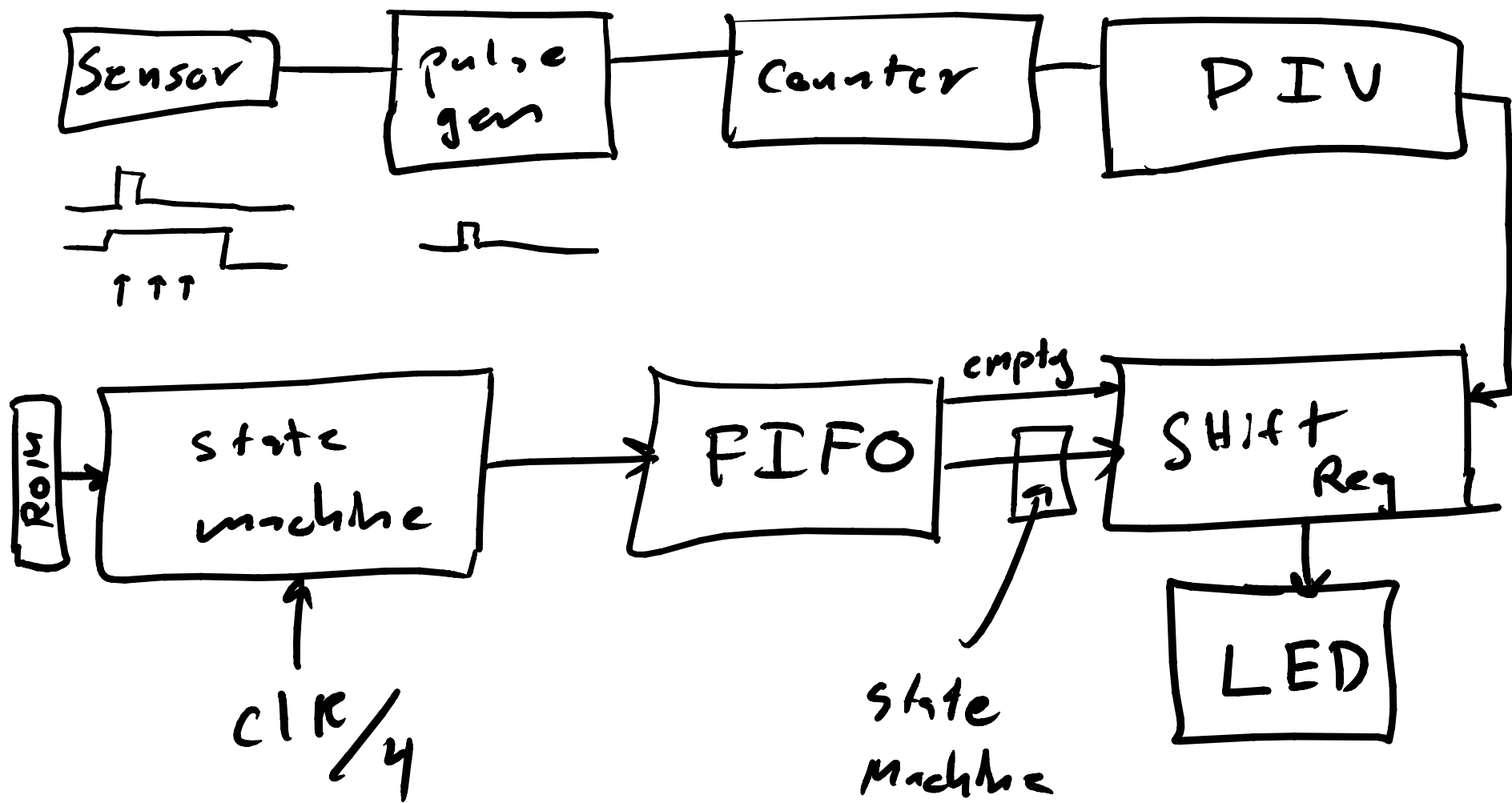
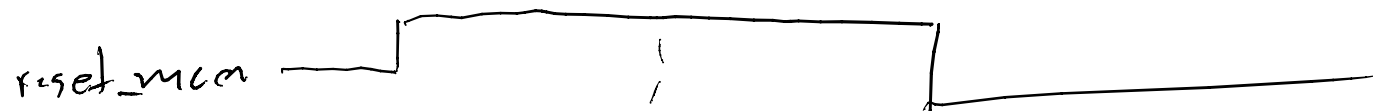
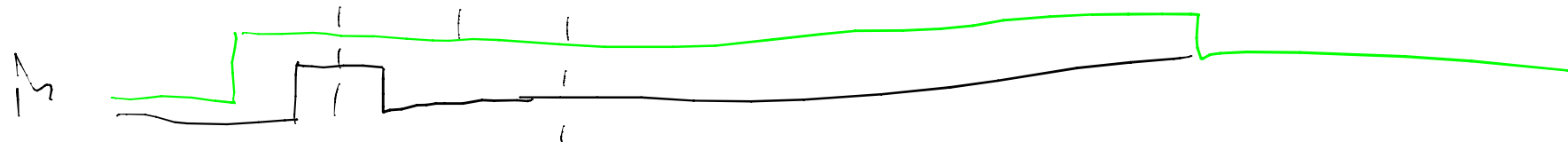
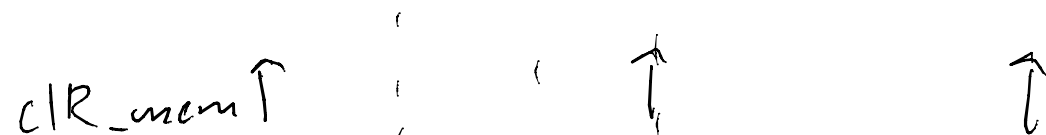
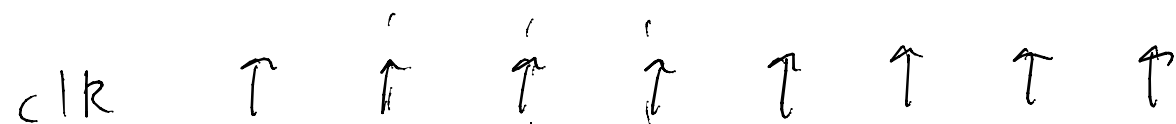
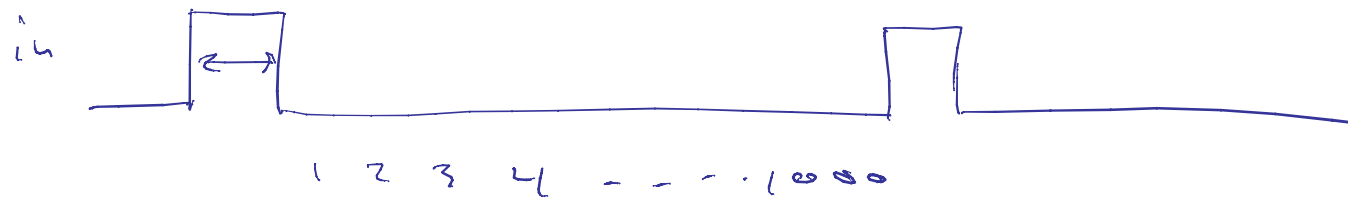


# ULTIMATE BIKE







counter\_sum

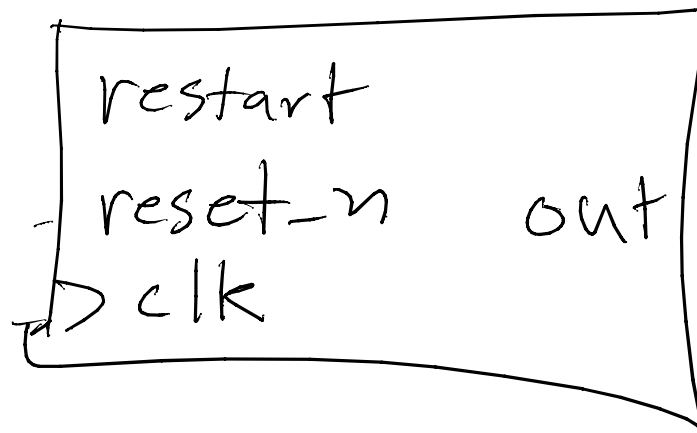


- 1) INIT : reset\_n
- 2) IN\_FOUND : in
- 3) RESET\_DONE : (always)
- 4) WAIT\_2 : (always)
- 5) WAIT\_3 : ( . . . )

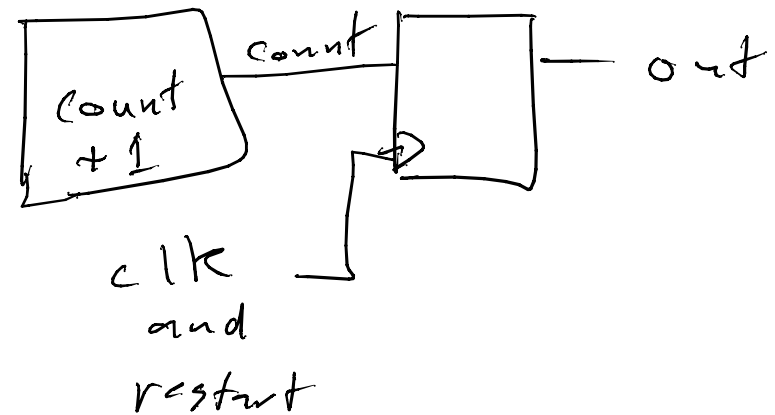
outputs  
restart = restart\_mem = 0  
restart = restart\_mem = 1  
restart = 0 , restart\_mem = 1

6) ALL\_DONE : ( " ) | restart\_mem = 0  
7) goto\_init : (! in) |

# counter



	↑	↑	↑	↑	↑	}	
out	0	0	0	0		}	4 4 4
count	1	2		3	4	}	0 12
							restart →



if (reset\_n)

count = ~~4~~ = 0

else if (restart)

count = ~~4~~ = 0

else

count = count + 1;