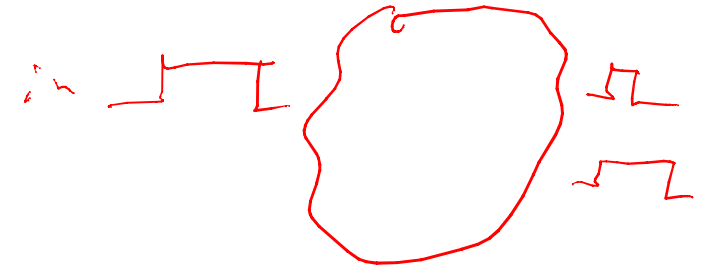


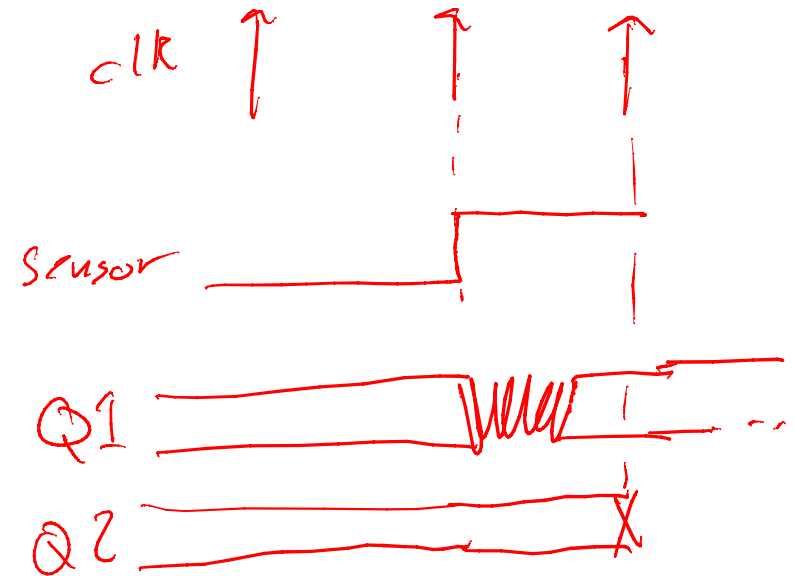
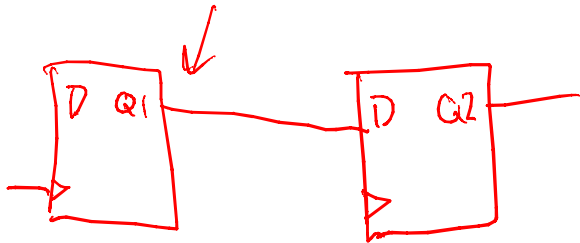
## Counter-sm

- Synchronize in with clk



## Proper Debug Technique

DONE



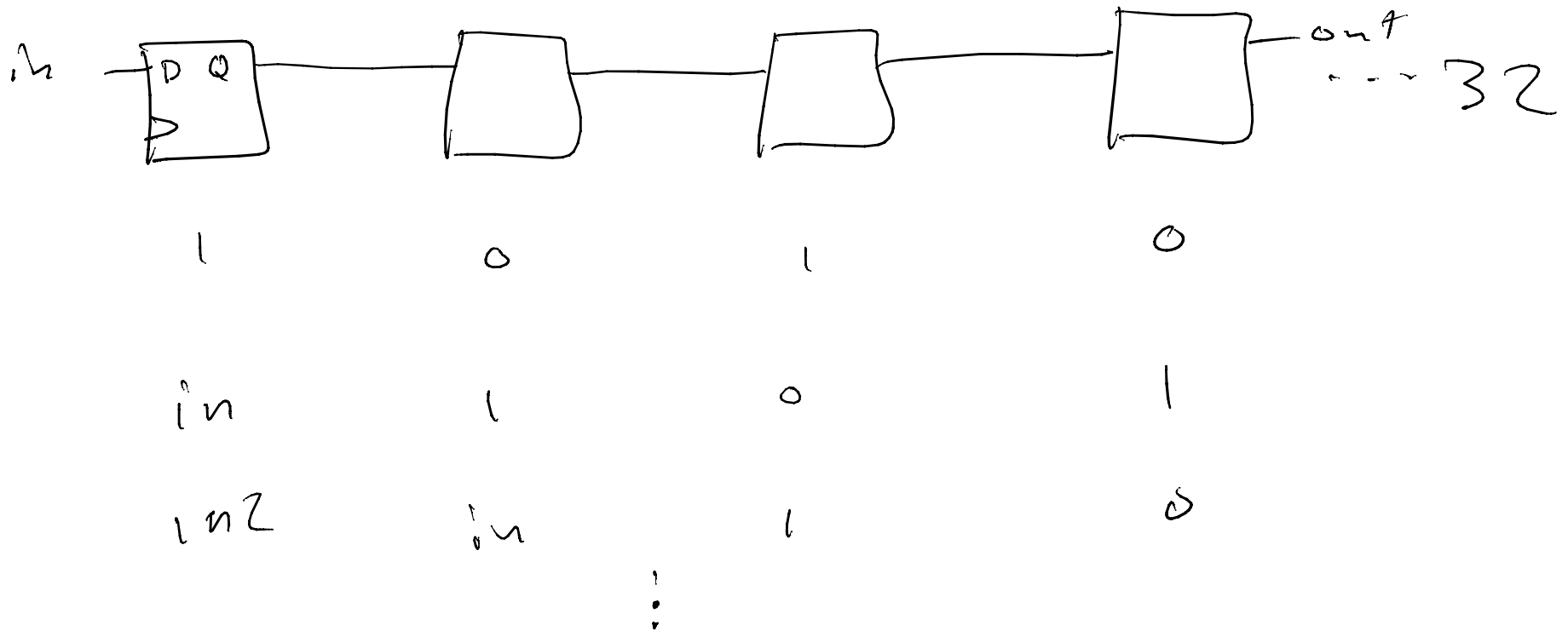
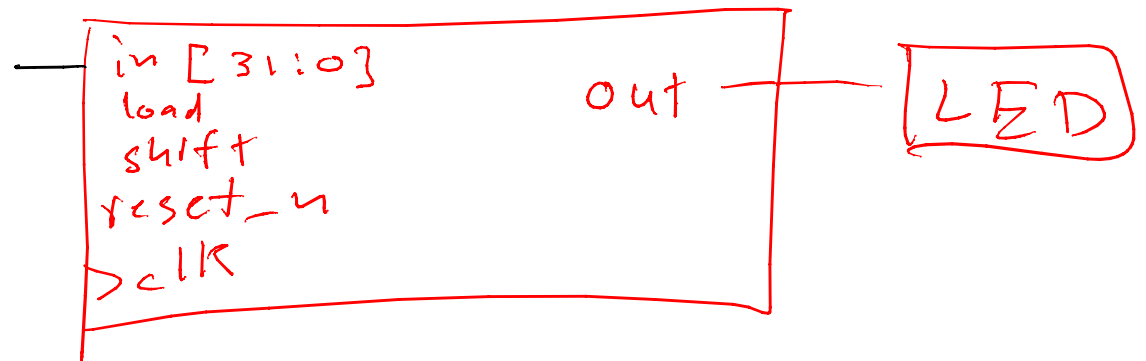
divider-even

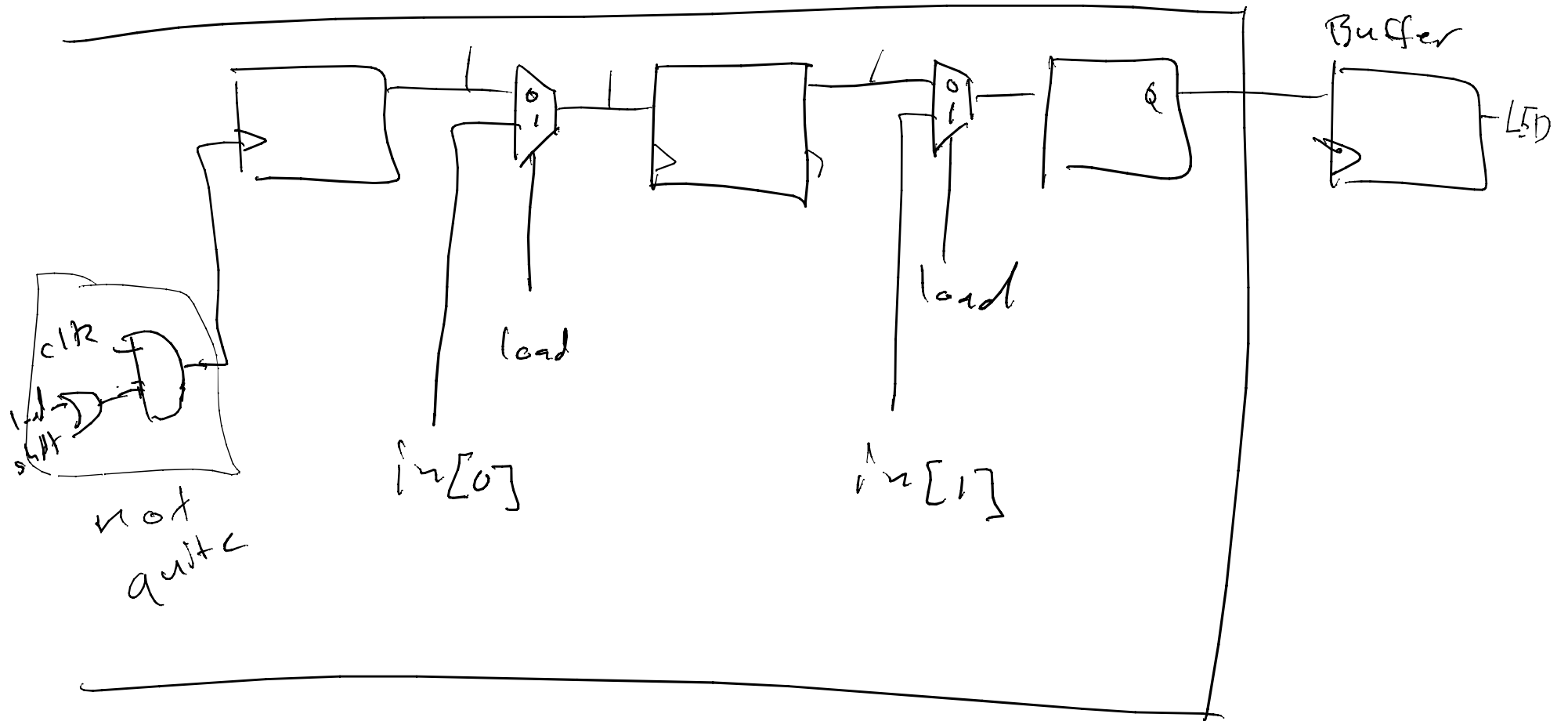
$$N = 4$$

↑ ↑ ↑ ↑

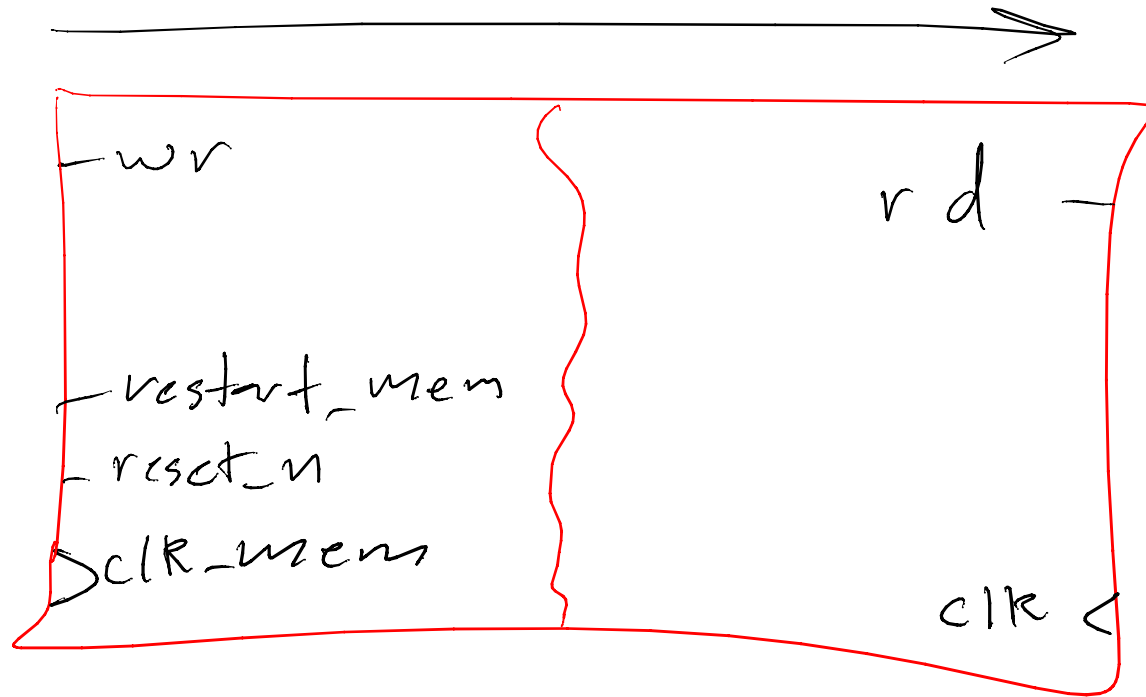
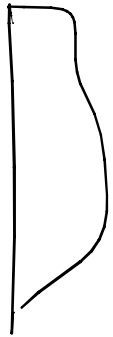


# Shift Register

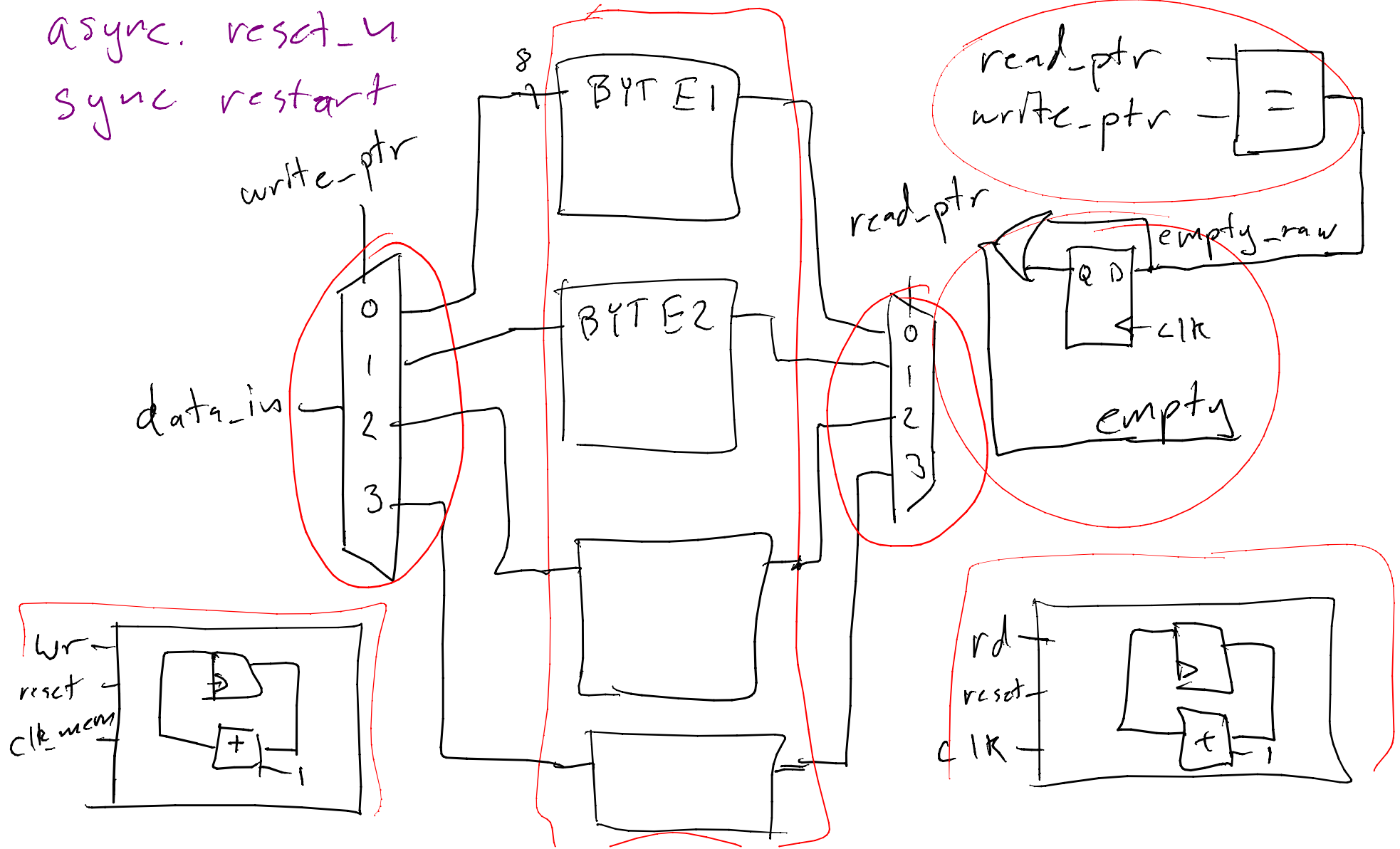




Fifo



async. reset\_n  
sync restart



# Mem-to-FIFO State Machine

