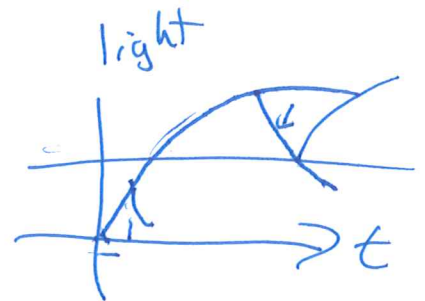
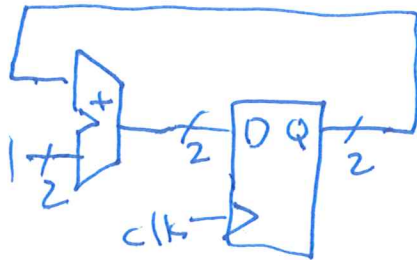
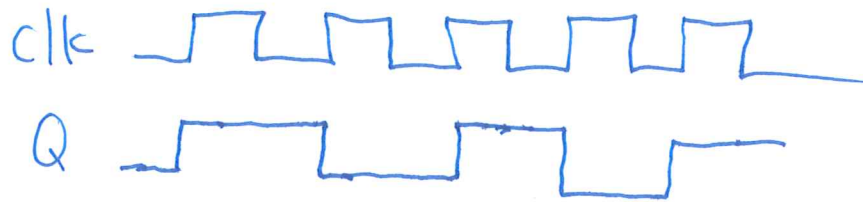
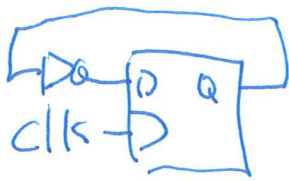


$$\frac{100 \text{ MHz}}{2^N} = \sim 100 \text{ Hz}$$

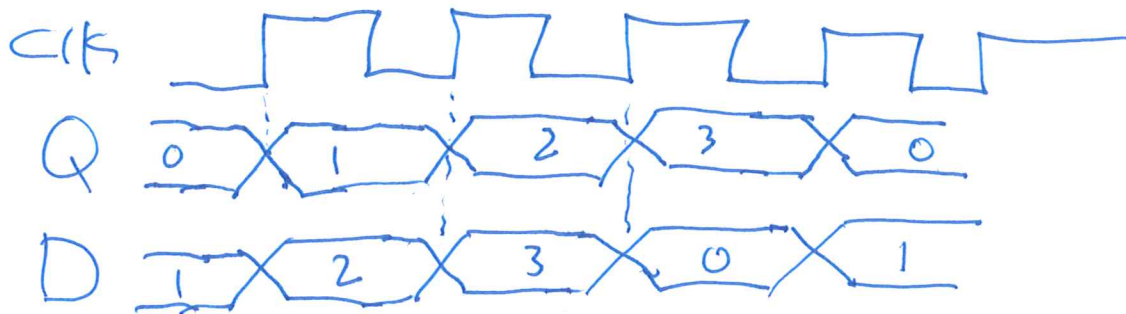
\nwarrow initial N



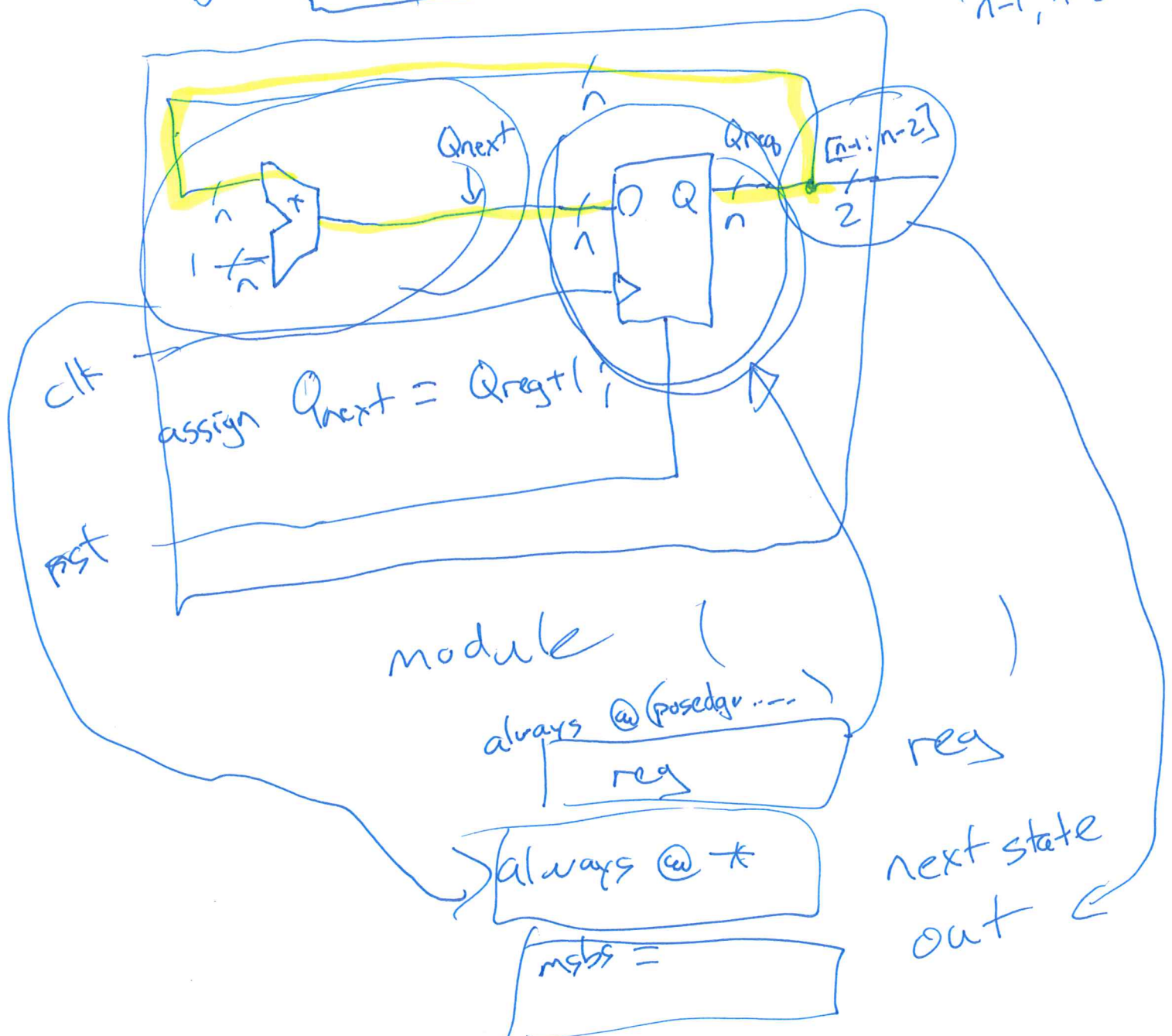
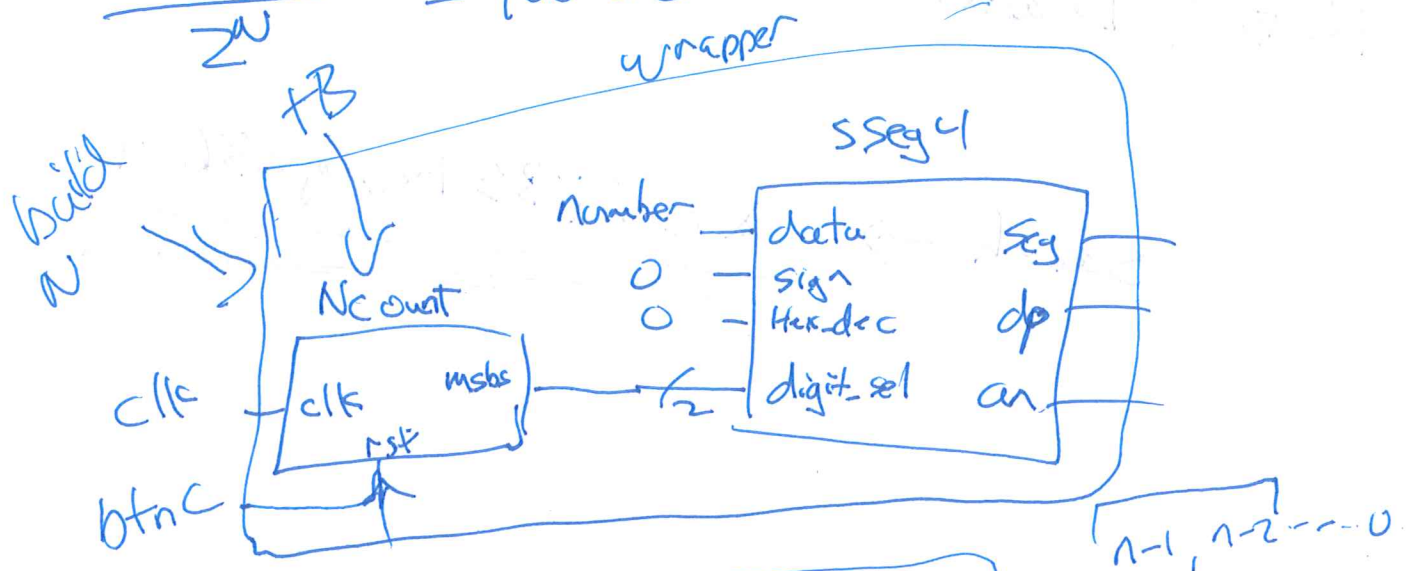
0, 1, 2, 3

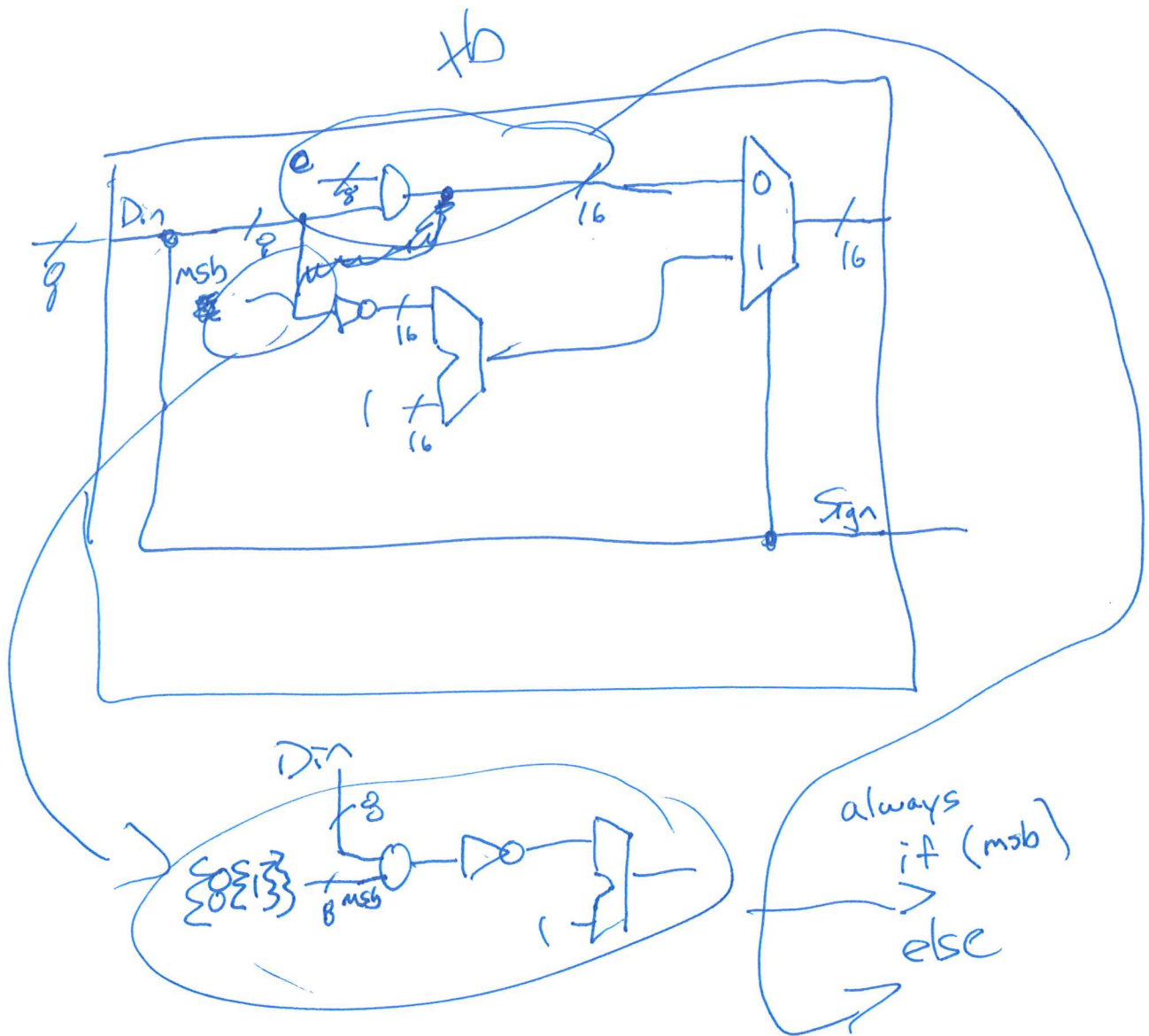
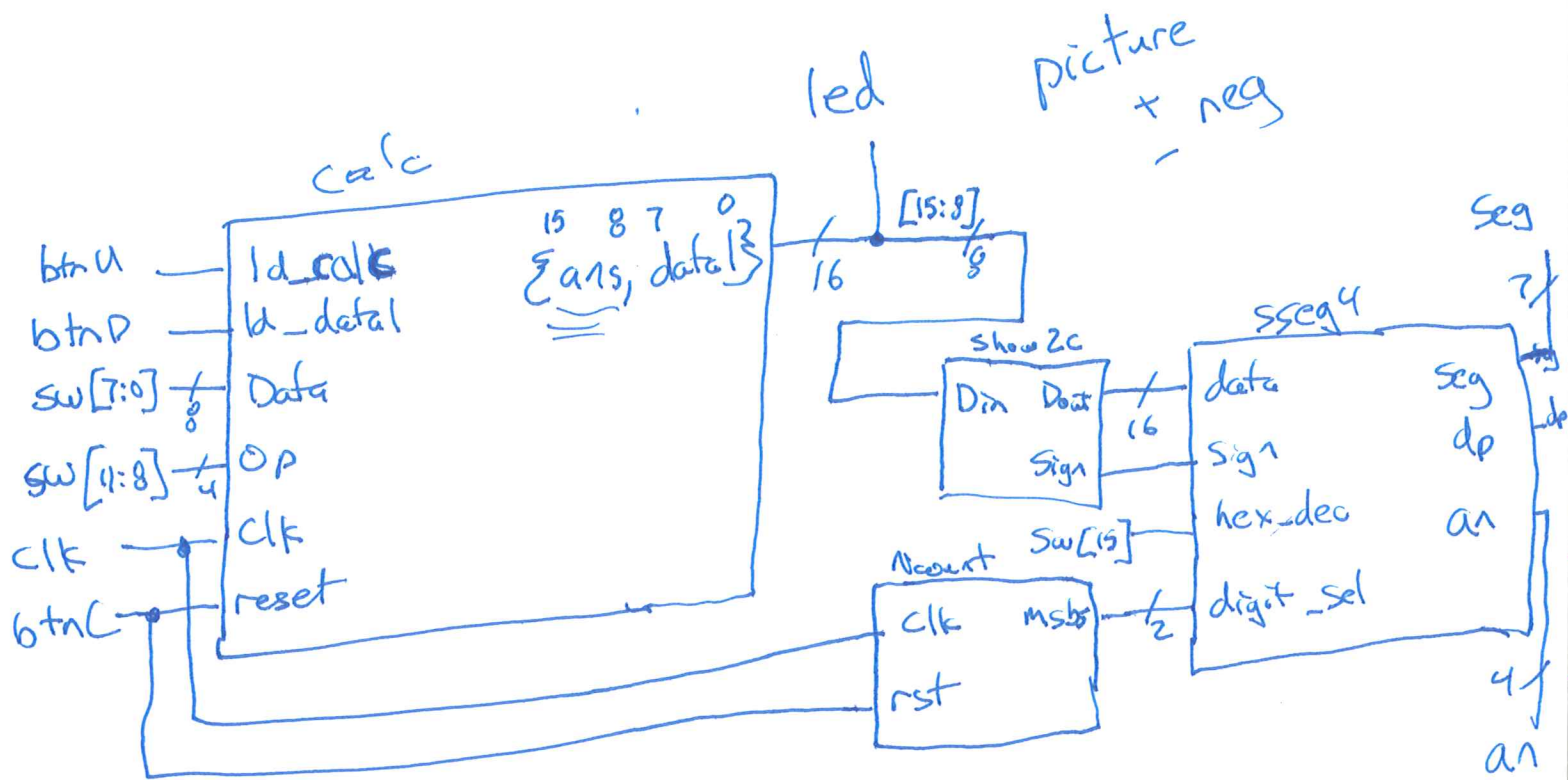


100



$$\frac{100 \text{ MHz}}{20} = 100 \text{ Hz}$$





lab 10 \Rightarrow new deliverables

Deliverables

① all .sv files

② output of test bench for
ncount with N a small #
(say $2 \leq N \leq 6$)

③ picture of board with all
four digits at full strength
and no blinking

and

N value that accomplished this

④ output of test bench for
Show-2c.sv which takes

an 8 bit 2's comp number
and outputs a sign bit (1 = neg)
and a magnitude (16 bits)
(should test a few pos & neg numbers)

⑤ picture of your board after
calculating ~~the~~ (i) a positive and
(ii) a negative number. I want
to see the entire board \Rightarrow
 $\langle sw, led, sseg \rangle$