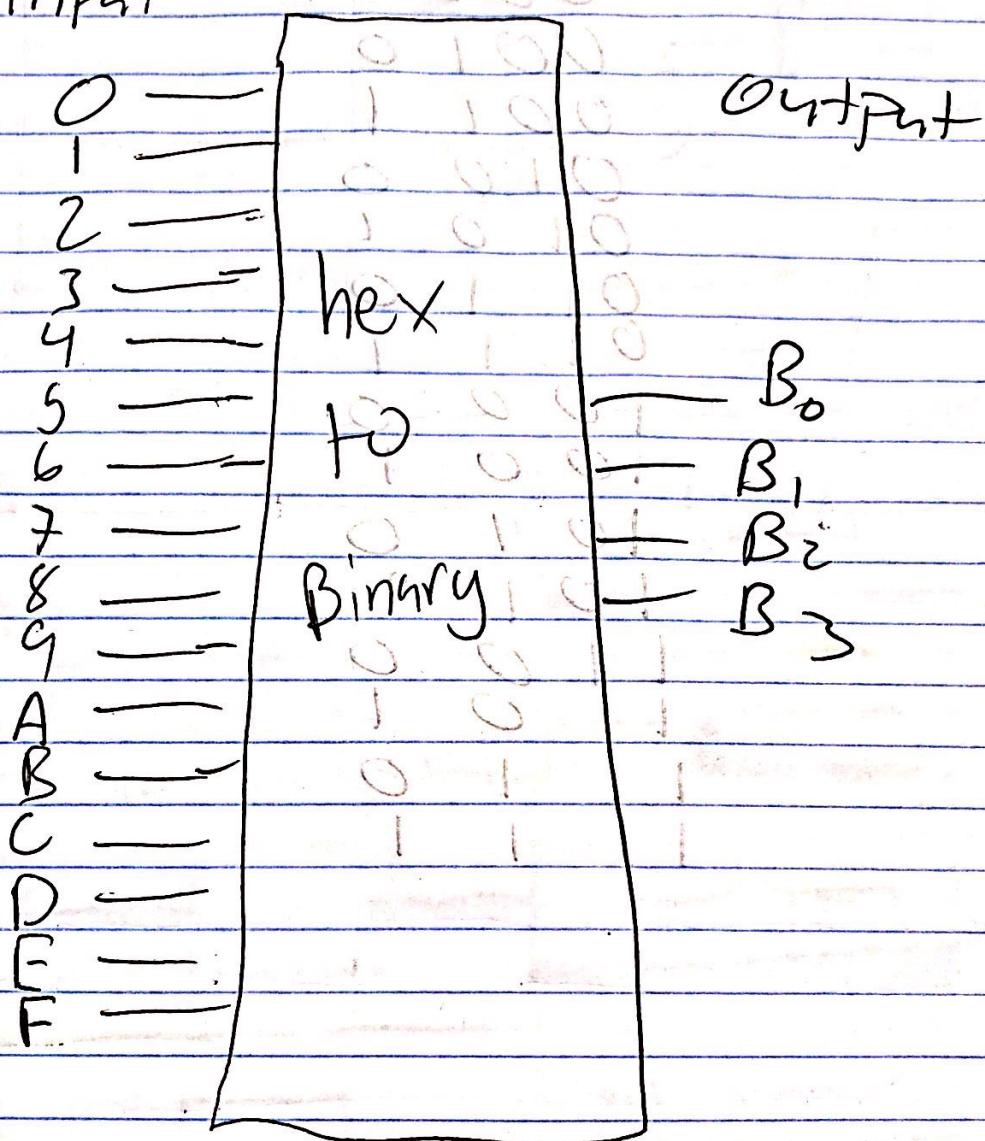


Midterm 2

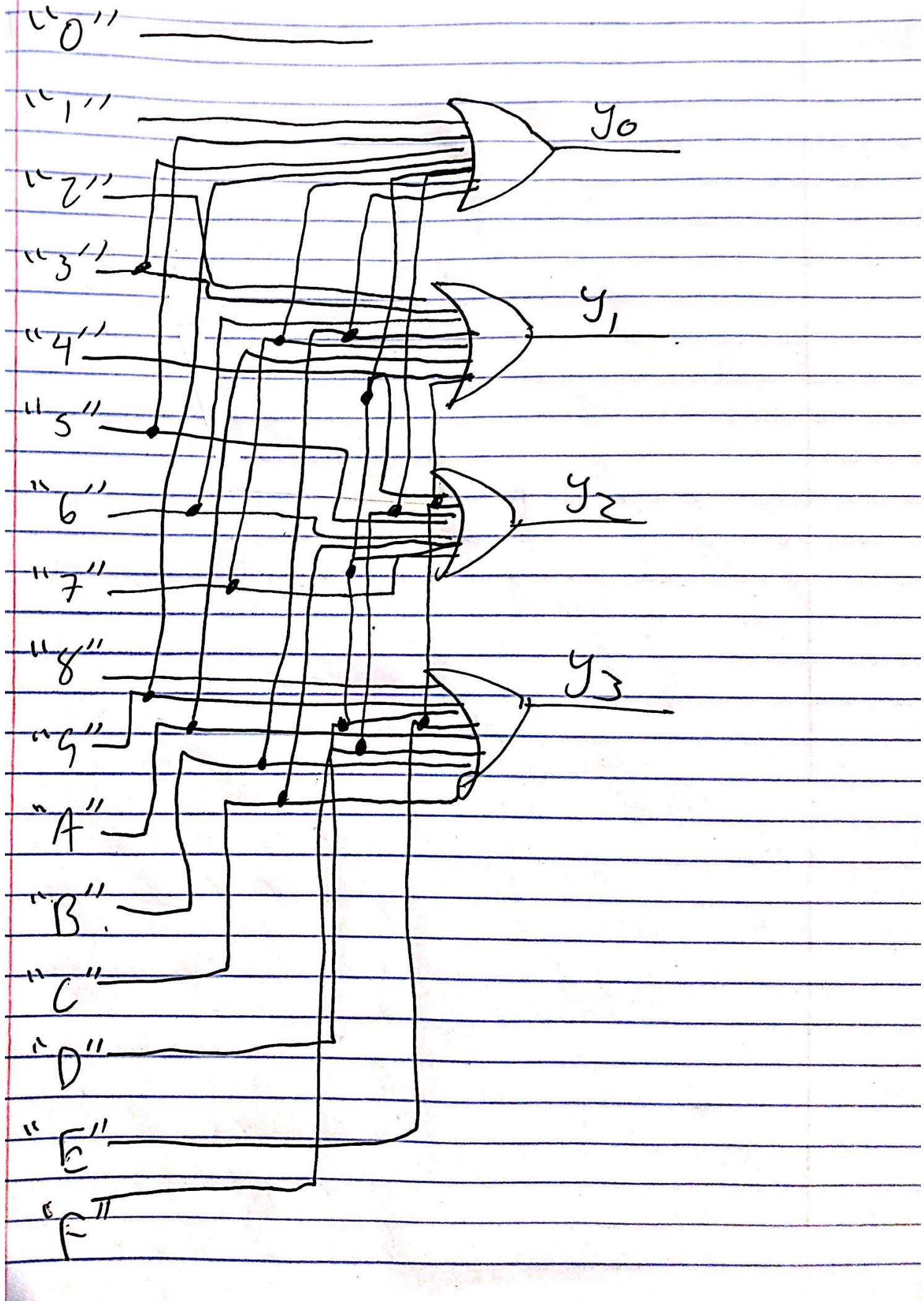
Daniel
B911

~~Note each key corresponds to a hex #~~

Soft input

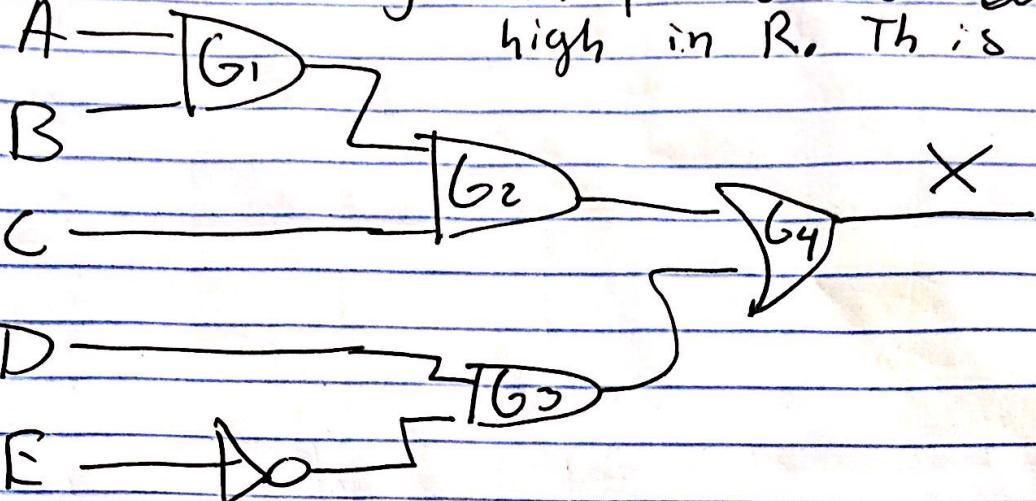


In	Out
0	0000
1	0001
2	0010
3	0011
4	0100
5	0101
6	0110
7	0111
8	1000
9	1001
A	1010
B	1011
C	1100
D	1101
E	1110
F	1111

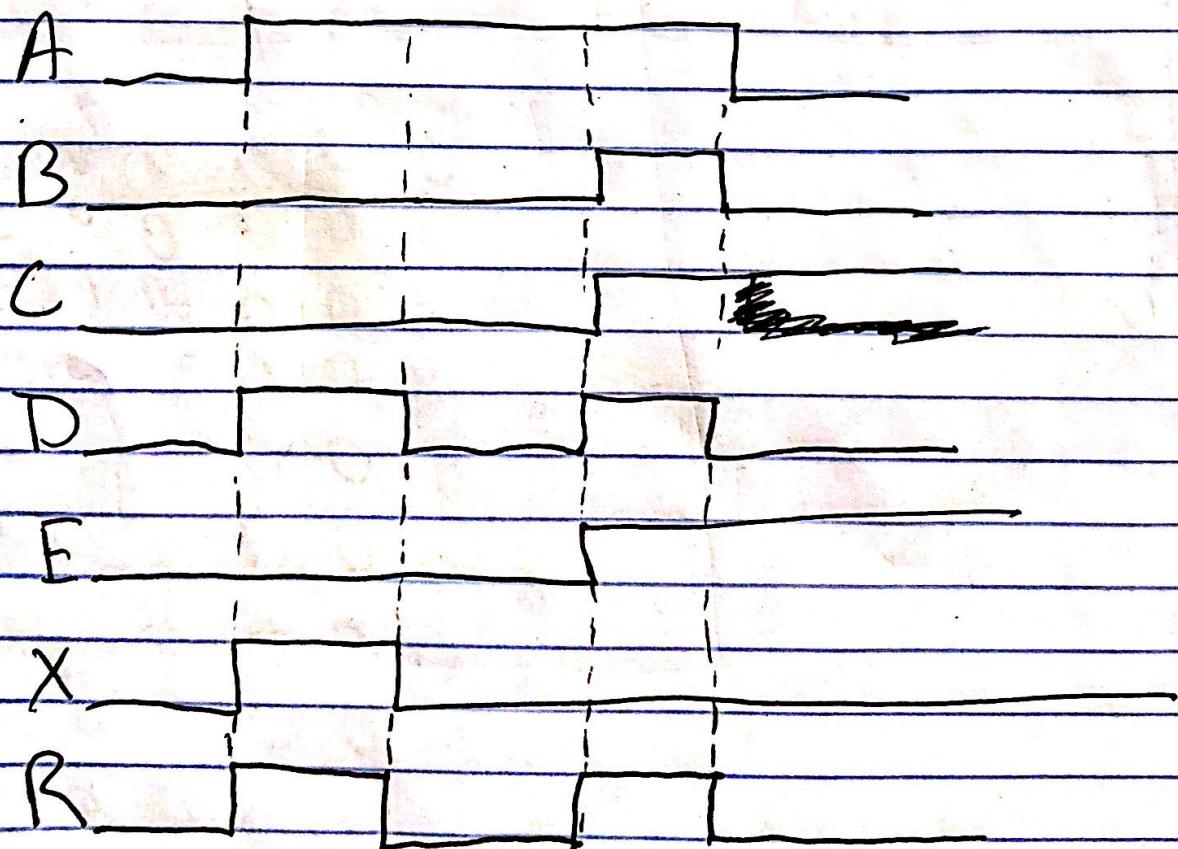


~~Gate 1 or Gate 2 is faulty~~
because they don't produce the second high in R. This is a short.

5.2

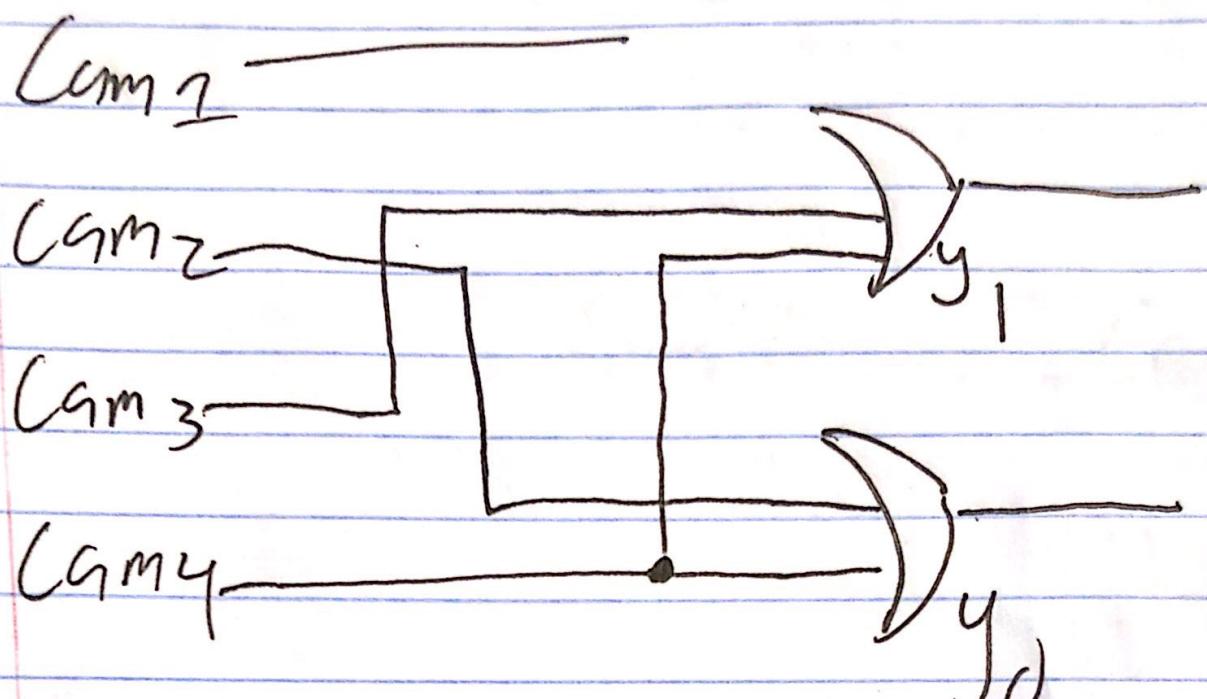


$$ABC + D\bar{E}$$



Where R is the correct waveform

6.1 Encoder



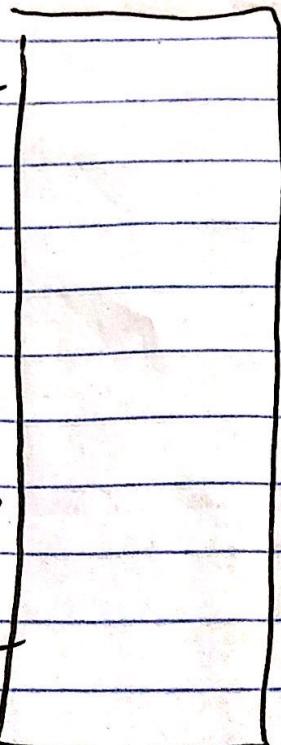
$Enc -$

$D_0 -$

$D_1 -$

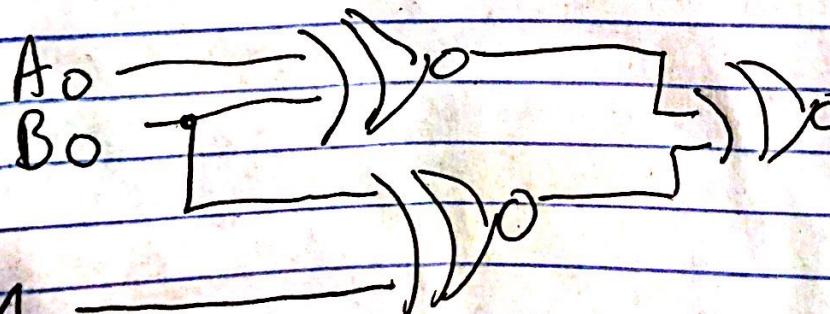
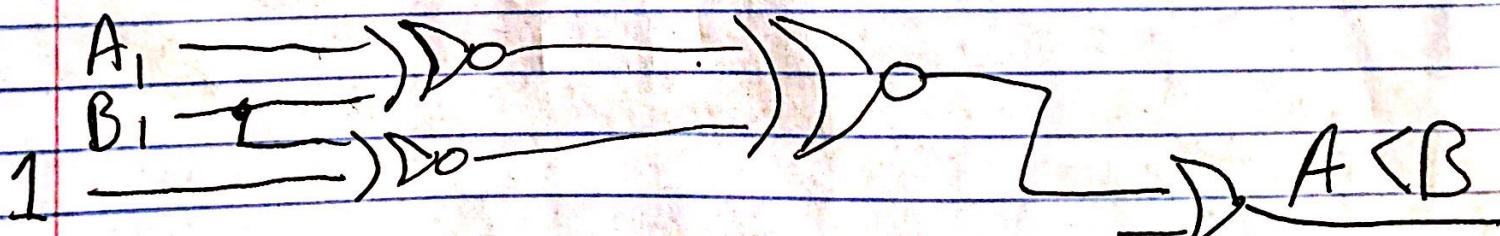
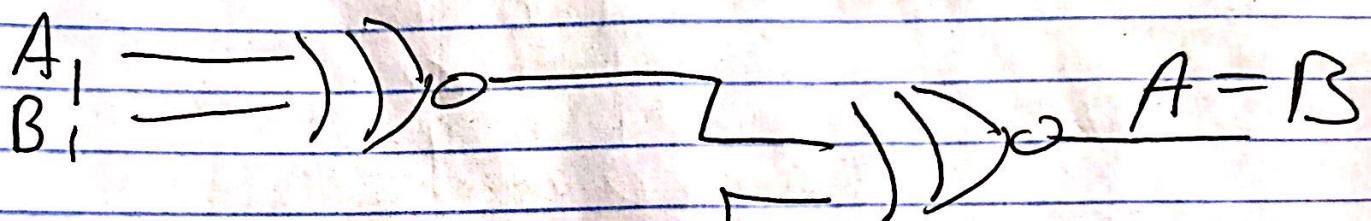
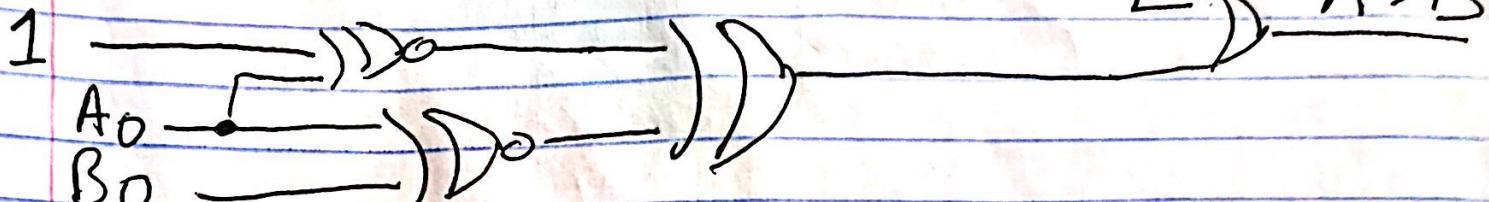
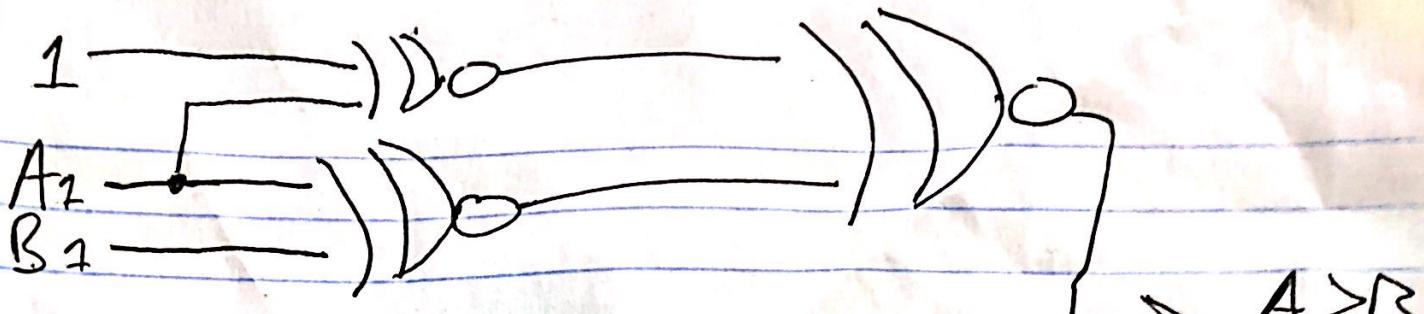
$D_2 -$

$D_3 -$

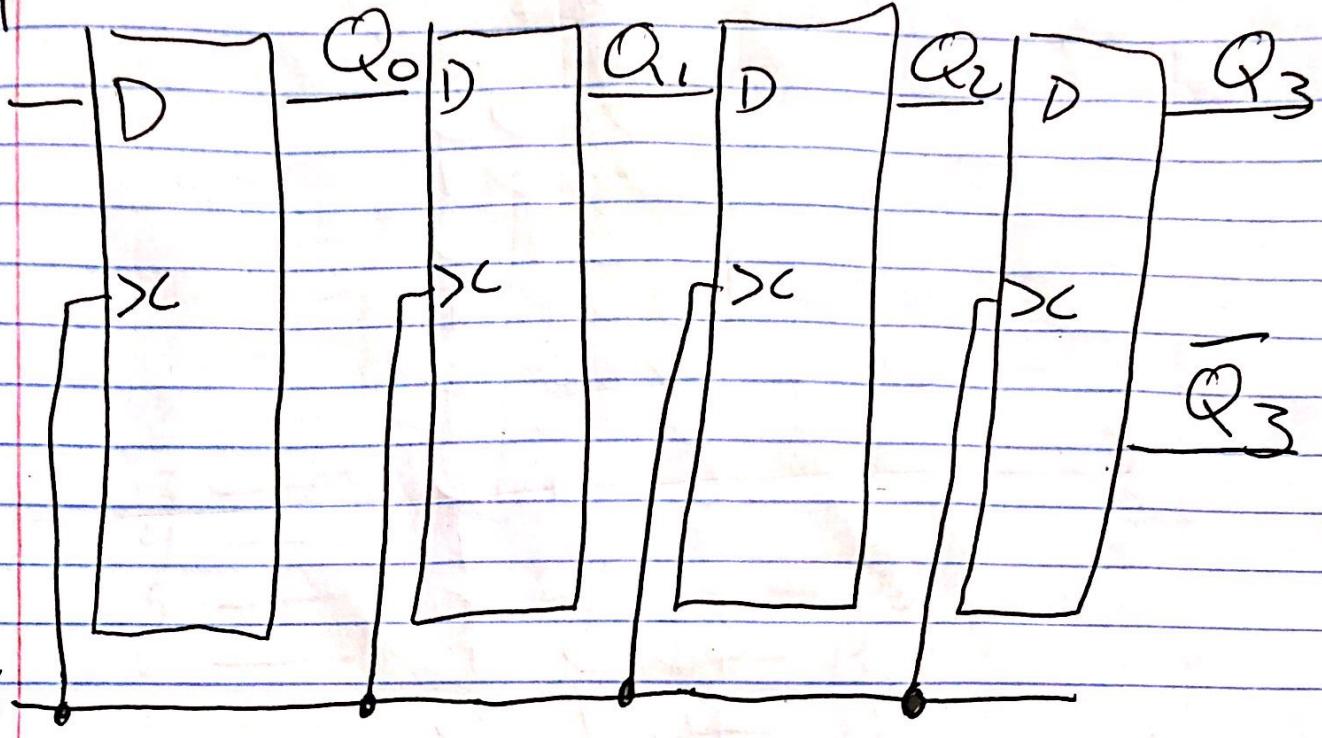


$= Y$

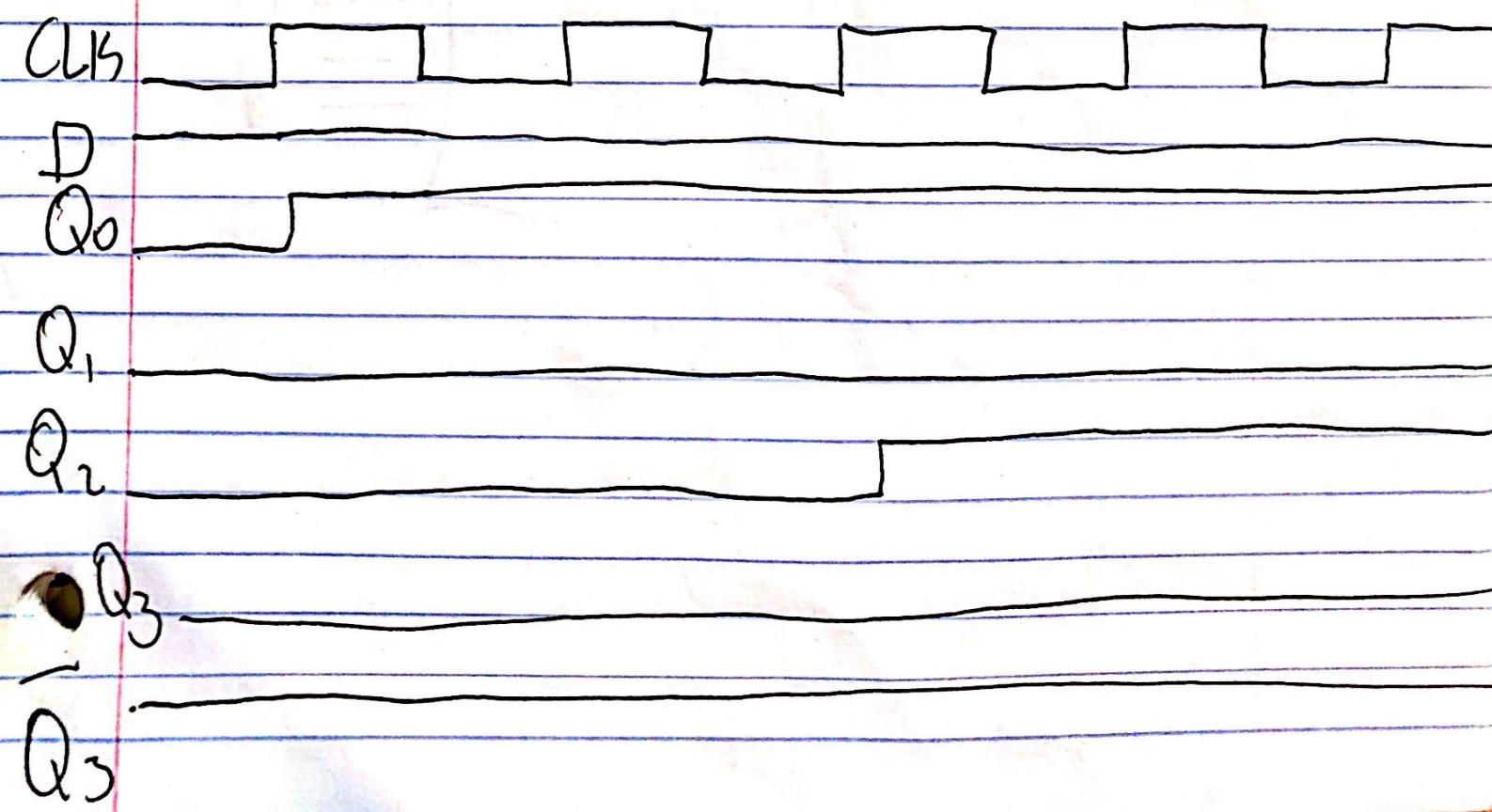
6.2



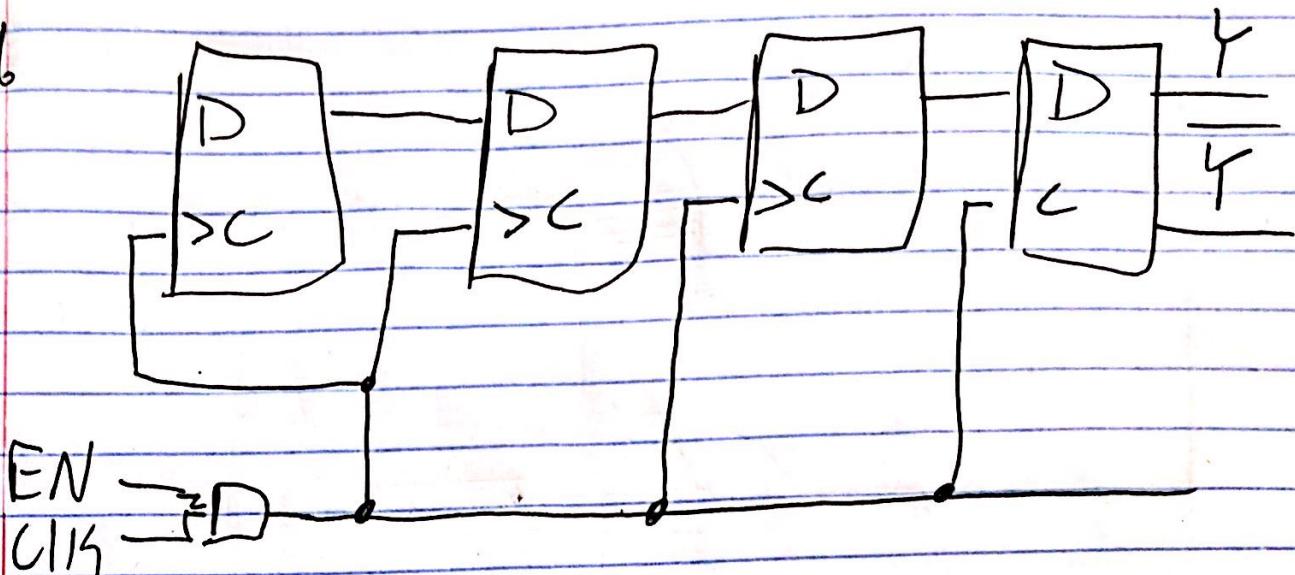
7.1.9



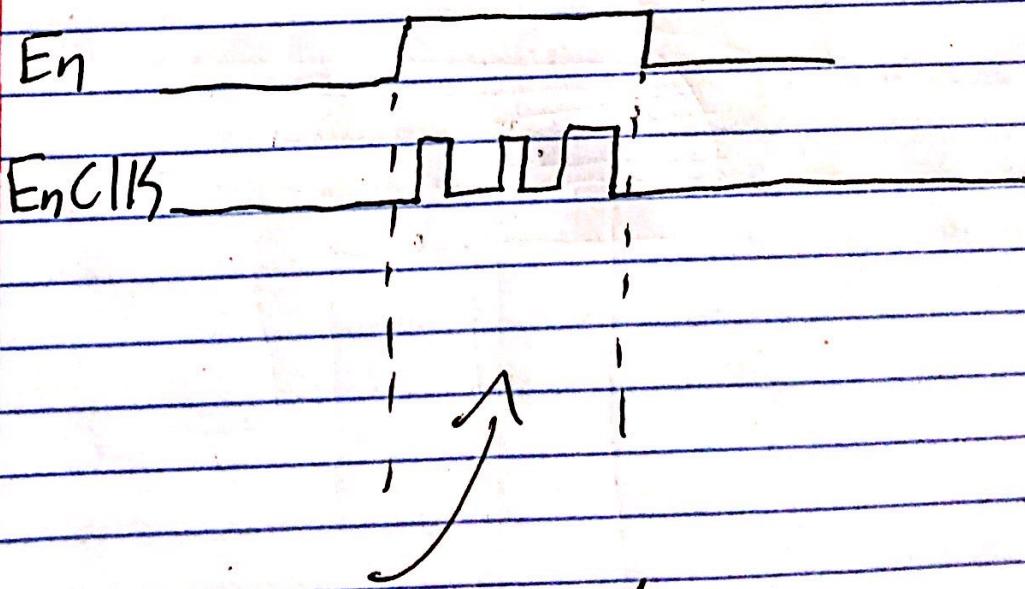
Timing diagram



7.7.6



CLK ...



this time period

stores data

