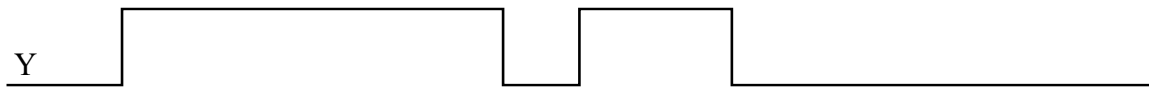
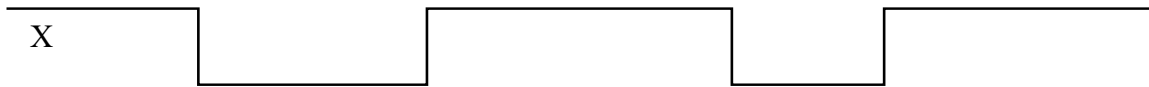
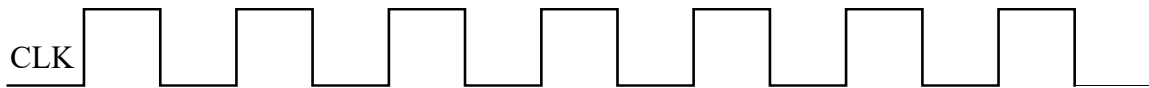
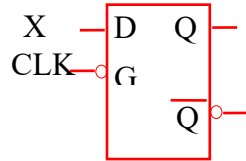


First Name: _____ Last Name: _____

20 Points

Problem 1

Complete the timing diagram if the following signals are applied as indicated.



Q

20 Points

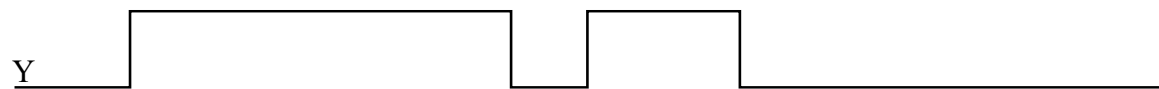
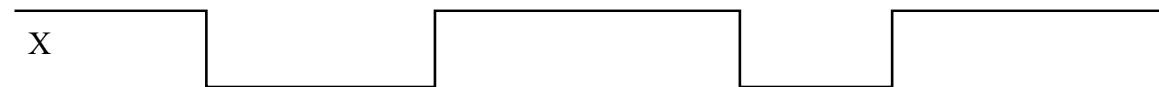
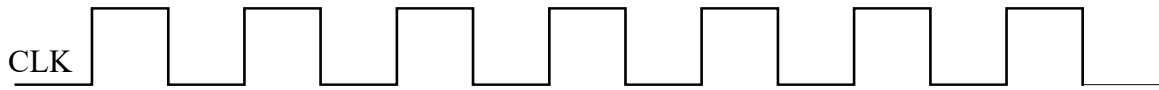
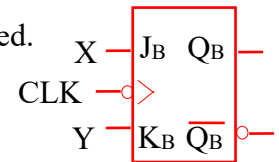
Problem 2

Using SR flip-flops, design a ripple counter to count from 12 to 6 and repeat.

20 Points

Problem 3

Complete the timing diagram if the following signals are applied as indicated.

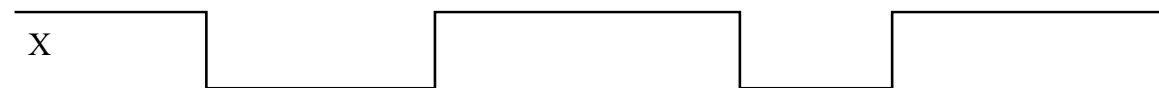
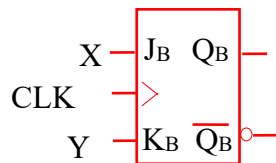


Q_

20 Points

Problem 4

Complete the timing diagram if the following signals are applied as indicated.

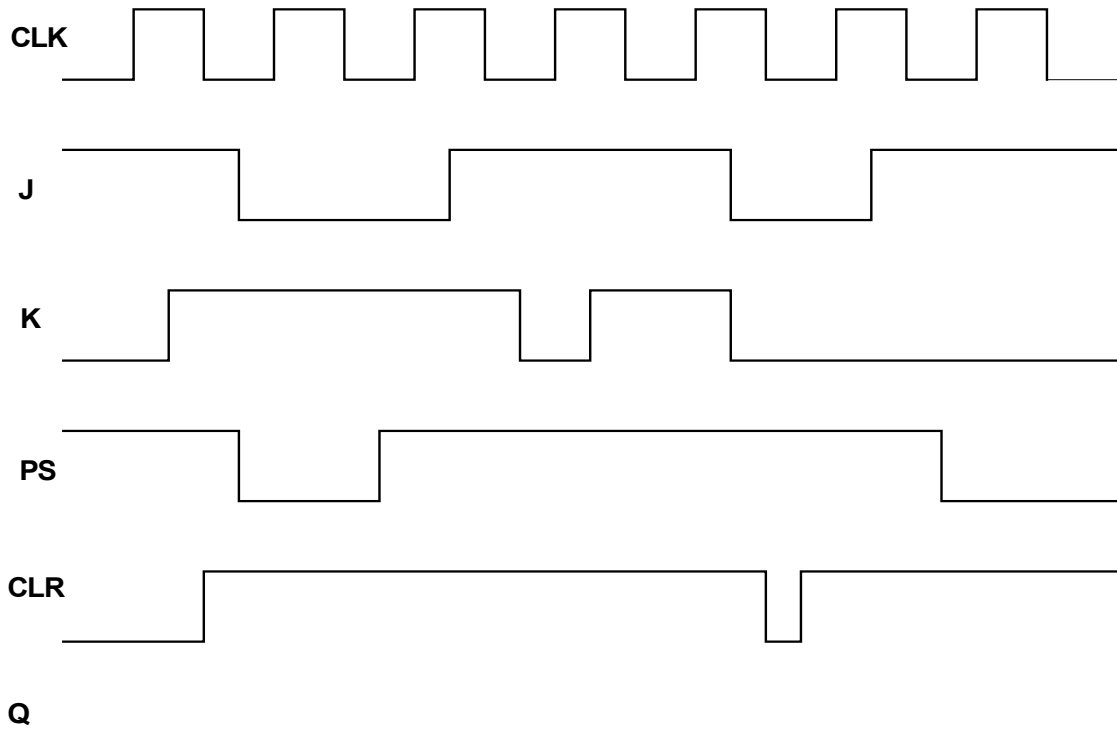
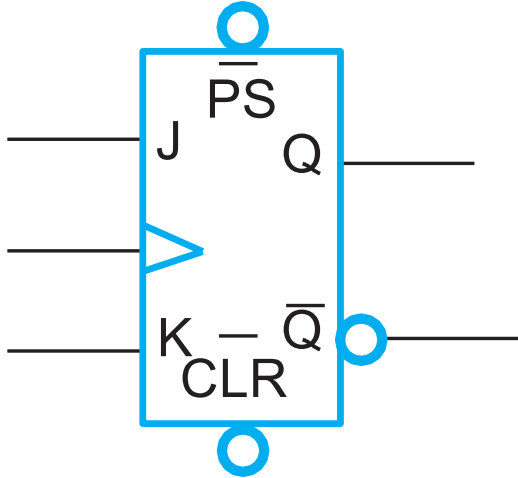


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20 Points

Problem 5

Complete the following timing diagram for a JK flip-flop with a low active preset (PS) and clear (CLR).



Due 4/14/2023