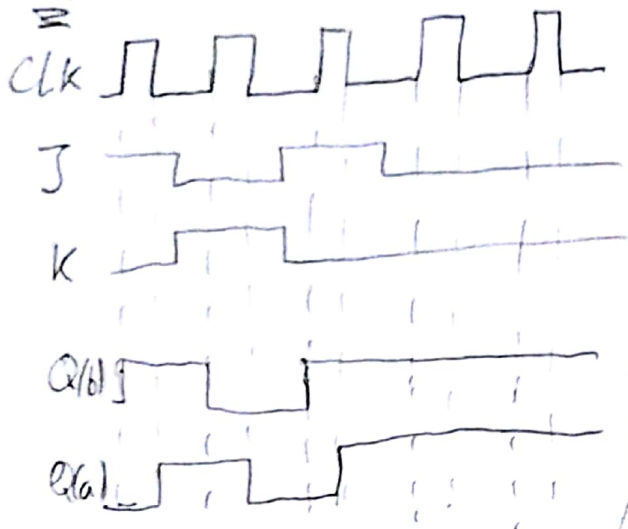
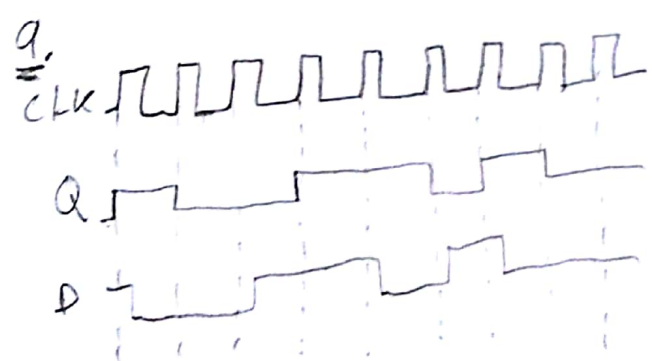


HW

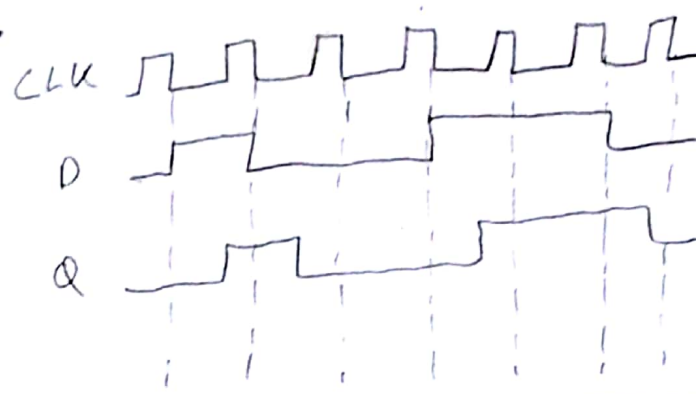
8.



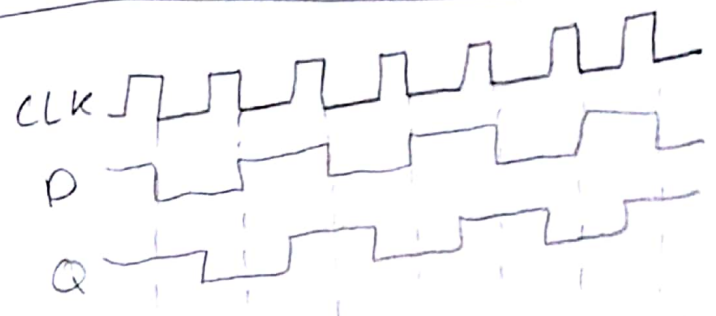
When J is high and K is low Q is High and vice versa. So when the clock rises Q(b) changes, in the same manner when the clock falls Q(a) changes.



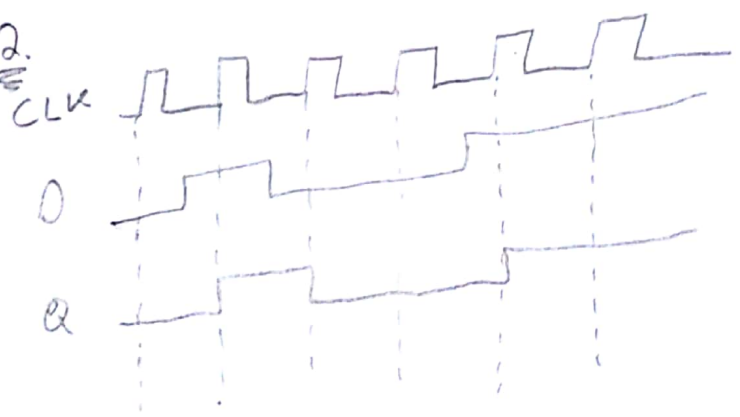
10.



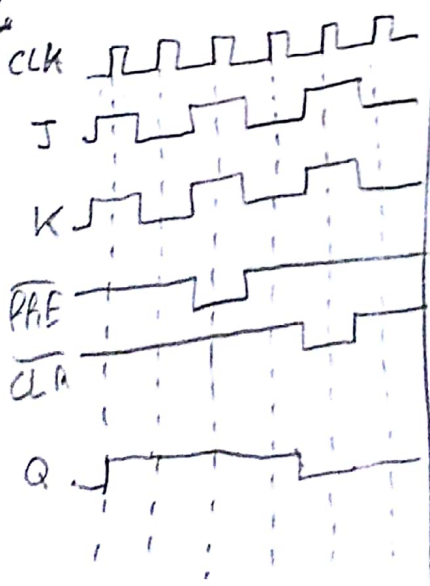
11.



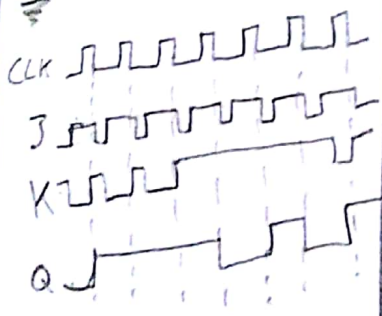
12.



14.



15.



16.

J = 0010000
K = 0000100
Q = 0011000