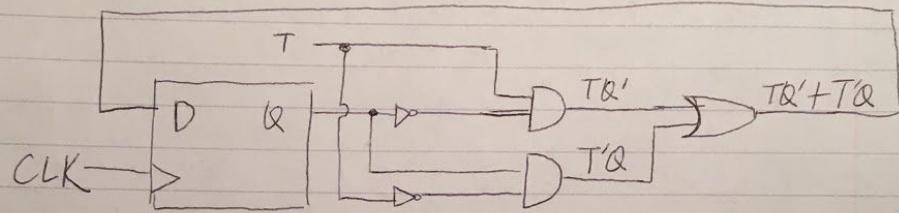
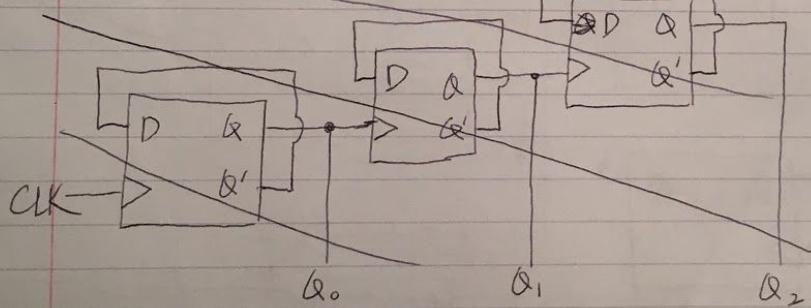
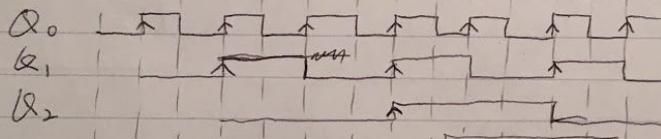


T	$Q(t)$	$Q(t+1)$	D	$T'Q$	0	1
0	0	0	0	0	0	1
0	1	1	1	-	1	0
1	0	1	1	-	1	0
1	1	0	0	0		

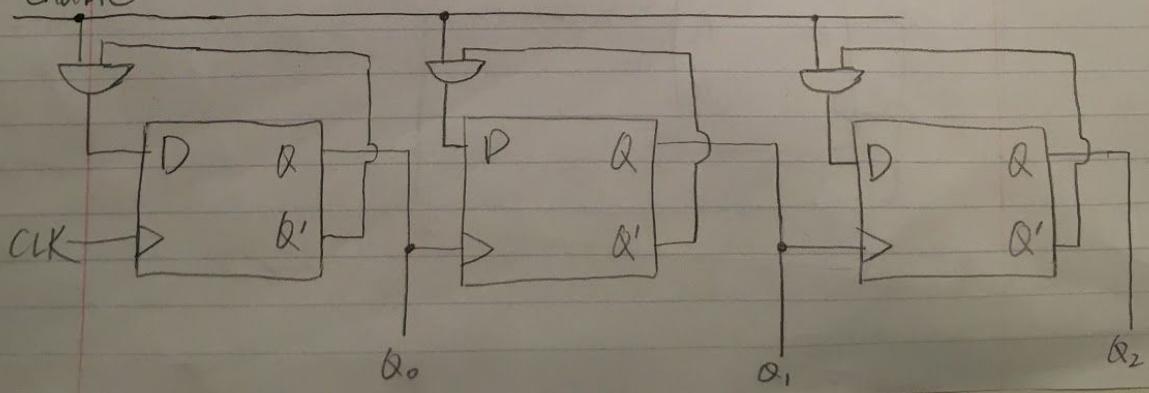
$D = TQ' + T'Q$



2. CLK



Enable



Present state Next state

3 a b c A B C Da Db Dc

0 0 0 0 0 1 0 0 1

0 0 1 0 1 0 0 1 0

0 1 0 0 1 1 0 1 1

0 1 1 1 0 0 1 0 0

1 0 0 1 0 1 1 0 1

1 0 1 1 1 0 1 1 0

1 1 0 1 1 1 1 1 1

1 1 1 0 0 0 0 0 0

$$\begin{array}{cccc} a & b & c & \text{Present State} \\ \hline 0 & 0 & 0 & 000011110 \\ 1 & 1 & 0 & 110 \\ 0 & 0 & 1 & 00011110 \\ 1 & 0 & 1 & 10100 \\ 0 & 1 & 0 & 01110 \\ 1 & 1 & 1 & 111 \\ 0 & 0 & 0 & 000 \\ 1 & 1 & 1 & 111 \end{array}$$

$$D_a = ab' + a'b'c + abc' \quad D_b = b'c + bc' \quad D_c = c'$$

enable

