

Part 3

a)	clk	present state			next state		
		Q_2	Q_1	Q_0	Q_2	Q_1	Q_0
	0	0	0	0	0	0	1
	1	0	0	1	0	1	0
	2	0	1	0	0	1	1
	3	0	1	1	1	0	0
	4	1	0	0	1	0	1
	5	1	0	1	1	1	0
	6	1	1	0	1	1	1
	7	1	1	1	0	0	0
	8	0	0	0	0	0	1

T-FF

+ $Q(t+1)$

0 $Q(t)$

1 $Q'(t)$

b)

