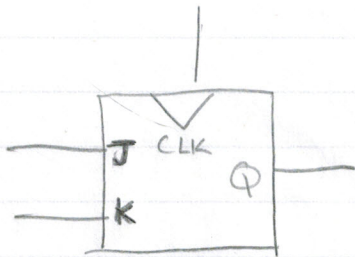


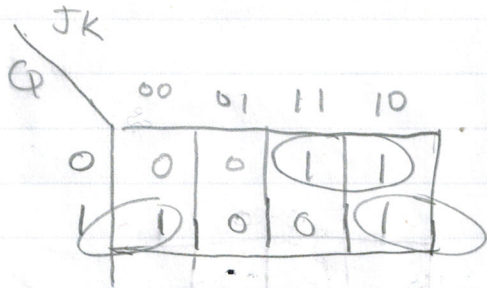
Lab #3 — Ex 1.

JK / T Flip Flop

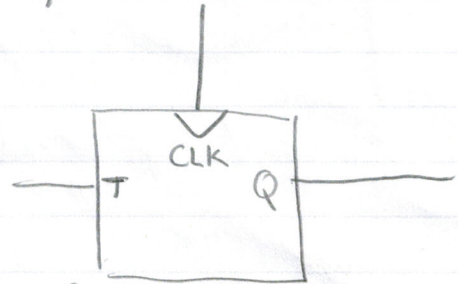


Condensed T.T

CLK	JK	Q*	Mode
↑	00	Q	Hold
↑	01	0	Reset
↑	10	1	Set
↑	11	Q'	Toggle

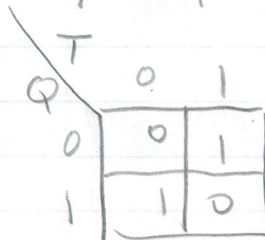


$$Q^* = K'Q + JQ'$$



Condensed

CLK	T	Q*	Flip mode
0	X	Q	CLK
1	X	Q	CLK
↓	X	Q	CLK
↑	0	Q	Hold
↑	1	Q'	Toggle



$$Q^* = T'Q + TQ' = T \oplus Q$$