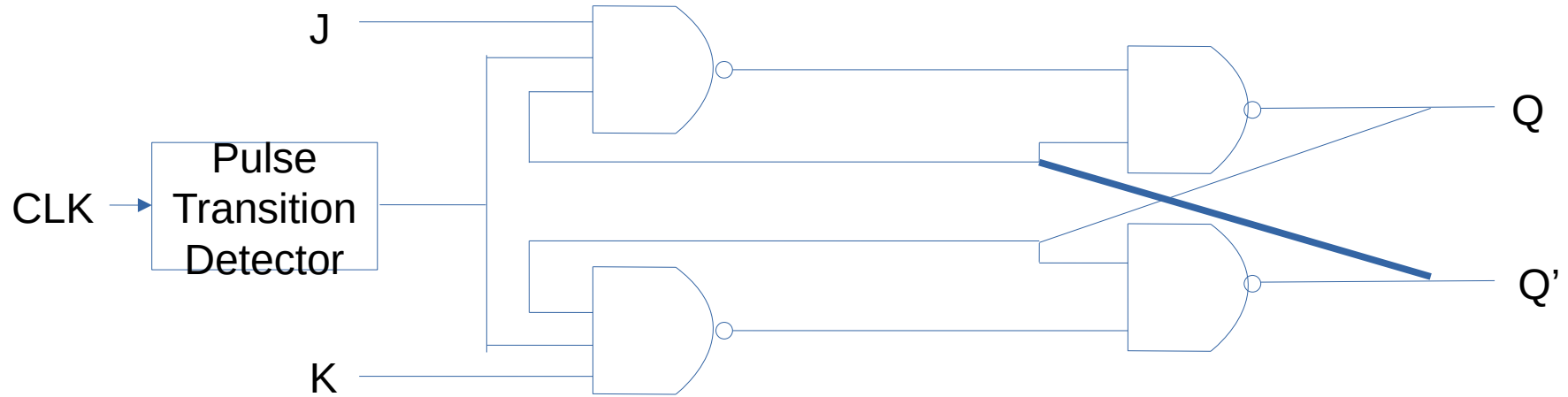


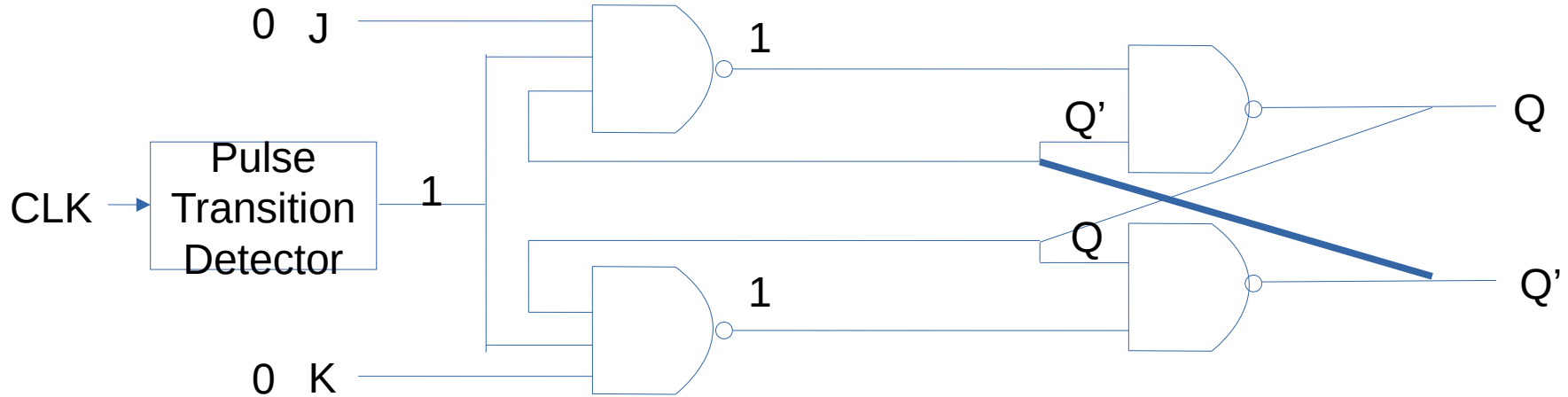
# Switching Circuit & Logic Design

Lecture 22 : Flip-Flop

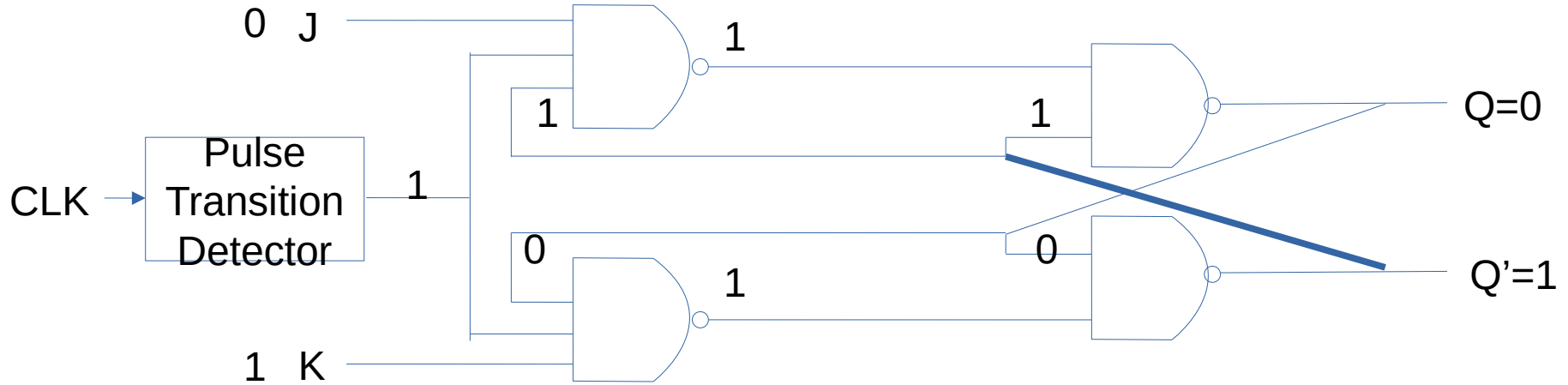
# J-K Flip Flop



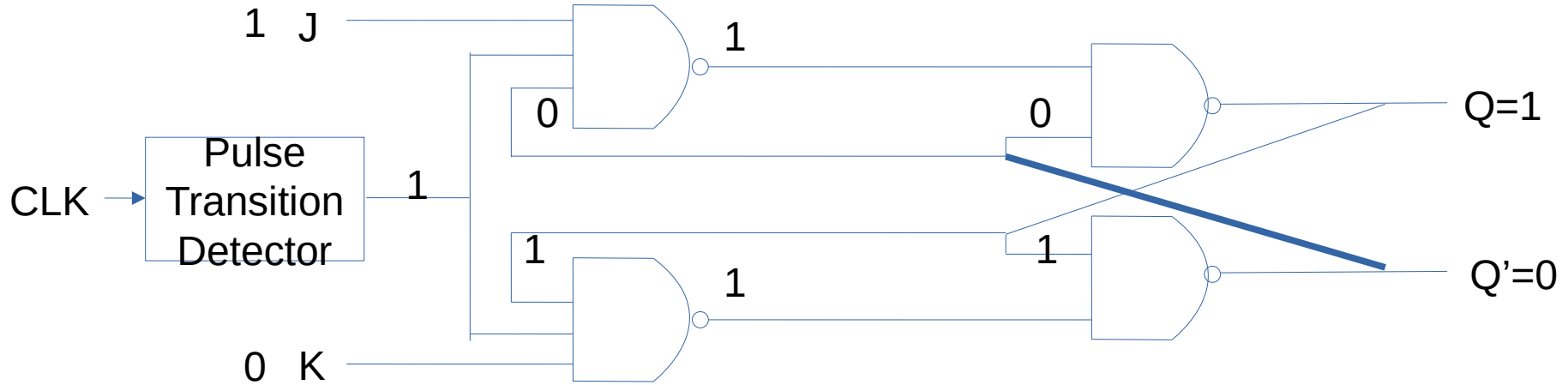
# J-K Flip Flop



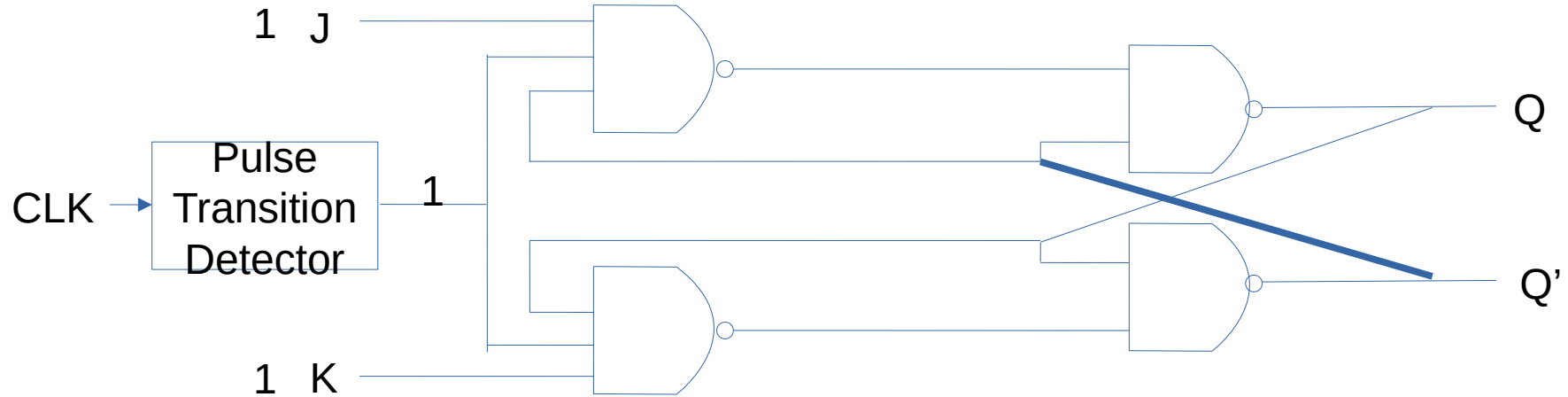
# J-K Flip Flop



# J-K Flip Flop

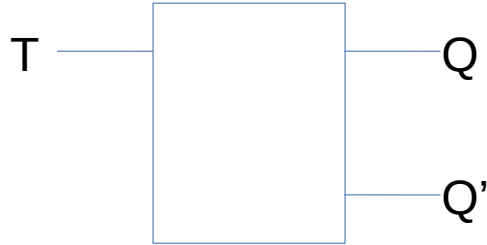


# J-K Flip Flop



# T Flip-Flop

# Convert T Flip-Flop to JK FF

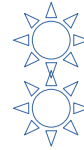
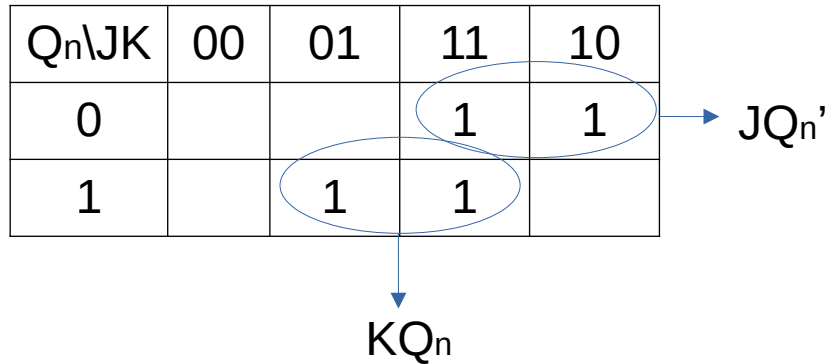
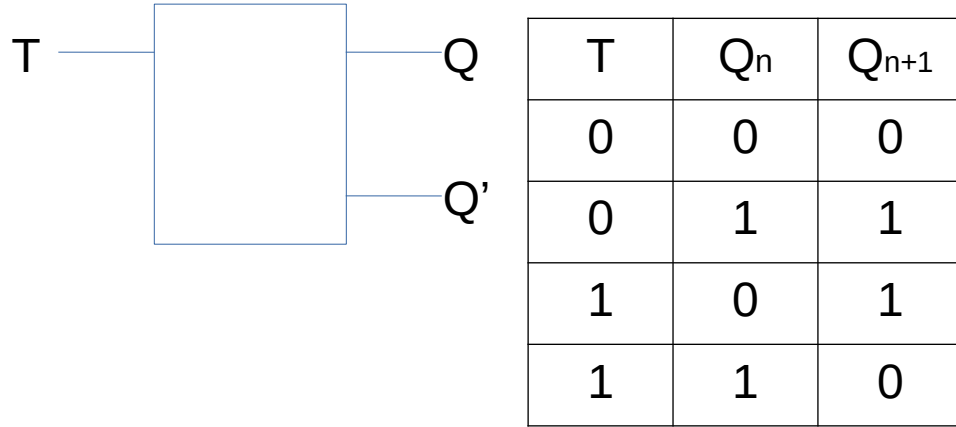


T	$Q_n$	$Q_{n+1}$
0	0	0
0	1	1
1	0	1
1	1	0

J	K	$Q_n$	$Q_{n+1}$
0	0	0	0
0	0	1	1
0	1	0	0
0	1	1	0
1	0	0	1
1	0	1	1
1	1	0	1
1	1	1	0



# Convert T Flip-Flop to JK FF



J	K	$Q_n$	$Q_{n+1}$	T
0	0	0	0	0
0	0	1	1	0
0	1	0	0	0
0	1	1	0	1
1	0	0	1	1
1	0	1	1	0
1	1	0	1	1
1	1	1	0	1

# Convert T Flip-Flop to JK FF

