

Converting TFF into JK Flip Flop  
Characteristic Table for JK

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

### Excitation Table for $T$

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

$$T = Q_n K + J Q'_n$$

JK

$Q_n$	00	01	11	10
0	0	0	1	1
1	0	1	0	0

