



(a) Block diagram.

$J(t)$	$K(t)$	$Q(t)$	$Q(t + 1)$	Condition
0	0	0	0	No change
0	0	1	1	
0	1	0	0	Reset
0	1	1	0	
1	0	0	1	Set
1	0	1	1	
1	1	0	1	Toggle
1	1	1	0	

(b) Characteristic table.