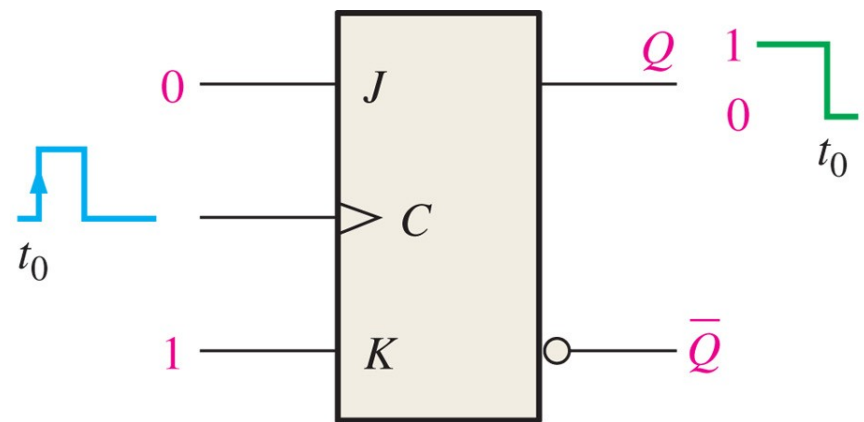
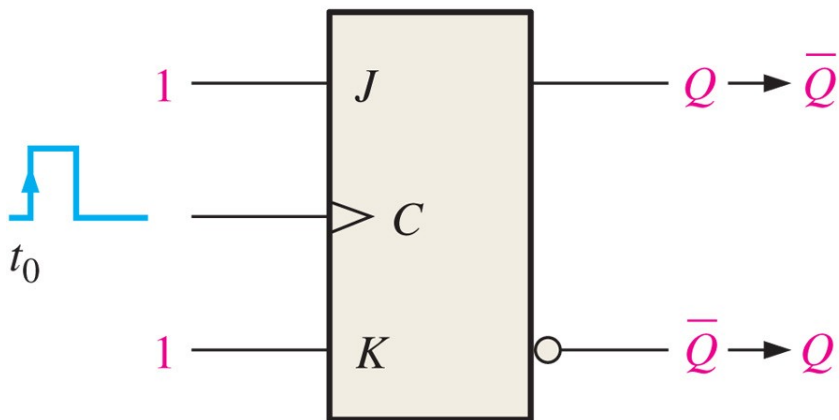


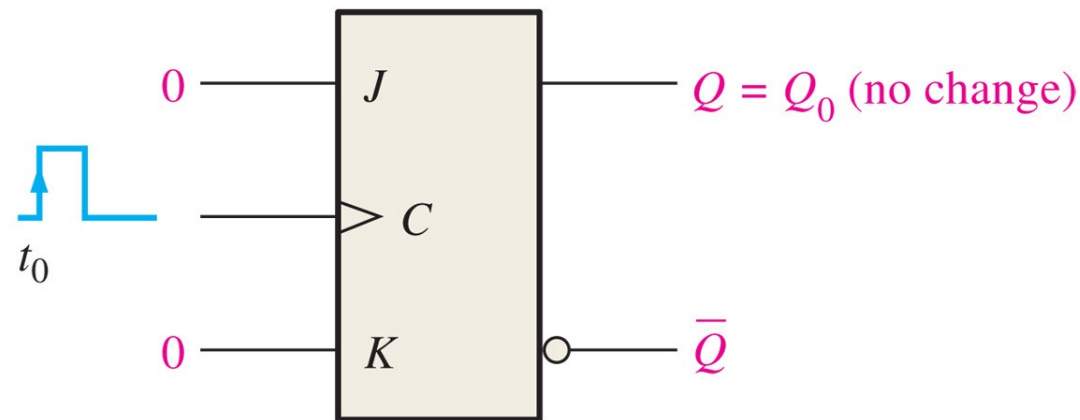
(a) $J = 1, K = 0$ flip-flop SETS on positive clock edge. (If already SET, it remains SET.)



(b) $J = 0, K = 1$ flip-flop RESETS on positive clock edge. (If already RESET, it remains RESET.)



(c) $J = 1, K = 1$ flip-flop changes state (toggle).



(d) $J = 0, K = 0$ flip-flop does not change. (If SET, it remains SET; if RESET, it remains RESET.)