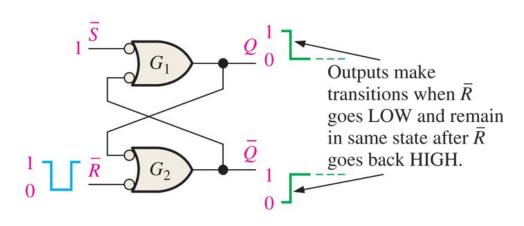
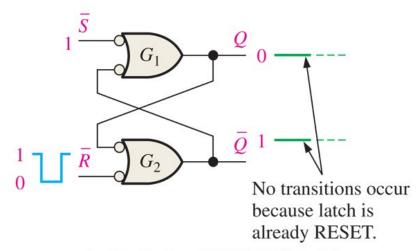


Latch starts out RESET (Q = 0).

Latch starts out SET (Q = 1).

(a) Two possibilities for the SET operation





Latch starts out SET (Q = 1).

Latch starts out RESET (Q = 0).

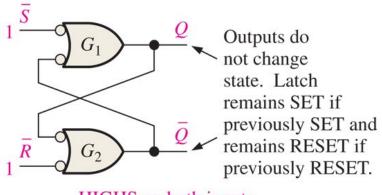
Output states are uncertain

when input LOWs go back

HIGH at approximately

the same time.

(b) Two possibilities for the RESET operation



Simultaneous LOWs on both inputs

HIGHS on both inputs

(d) Invalid condition

(c) No-change condition