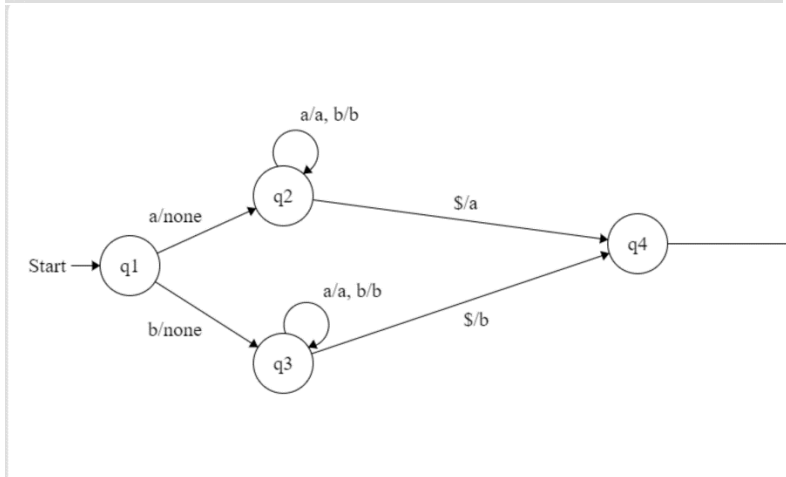


1.



2.

3.

4.

5.

	a/b	q1	q2	q3
q1	✓	✓	✓	✓
q2	✓	✗	✓	✓
q3	✓	✓	✓	✓
q4	✓	✓	✓	✓

$(q_0, a) = 1$ $(q_0, b) = 1$ $(q_0, a) = q_1$ $(q_0, b) = q_2$
 $(q_1, a) = 1$ $(q_1, b) = 0$ $(q_1, a) = q_3$ $(q_1, b) = q_3$
 $(q_2, a) = 1$ $(q_2, b) = 0$ $(q_2, a) = q_3$ $(q_2, b) = q_3$
 $(q_3, a) = 0$ $(q_3, b) = 0$ $(q_3, a) = q_4$ $(q_3, b) = q_4$
 $(q_4, a) = 1$ $(q_4, b) = 1$ $(q_4, a) = q_3$ $(q_4, b) = q_3$

6.

Finite State Machine Designer

File Edit View Help

Add a state: State will be q5
 Add an initial state: q0
 Add an accept state: q4

