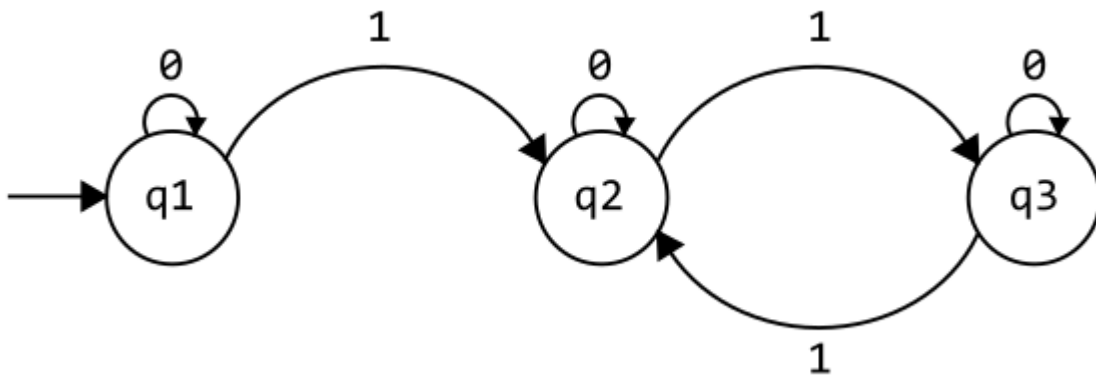# Activity 3 - Finite-State Automata Definition Practice

5 points each

What to Do

Given by the following automata:

1. What are states (Q)?

    YOUR ANSWER:

$$Q =?$$

2. What is the alphabet (Σ)?

    YOUR ANSWER:

$$\Sigma =?$$

3. What is the start state (q0)?

    YOUR ANSWER:

$$q_0 =?$$

4. What are the final states (F)?

    YOUR ANSWER:

$$F =?$$

5. Write all transitions in this notation:

$$T(state, input) \rightarrow nextstate$$

YOUR ANSWER:

$$T(?,?) \rightarrow ?$$

.

.

.

6. Create the transition table.

When to Submit It

Before next week class

Advice

Check the examples in lesson 4!