

Quiz 2

Name: _____

Notes:

- A Moore machine has outputs which depend only on the state.
- A Mealy machine has outputs which depend on the state and the inputs.

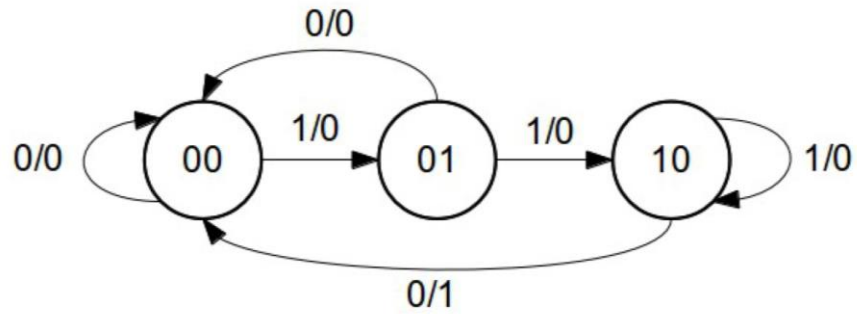
1. (4 pts) From the given next-state table, draw the state diagram.

Input	Current State		Next State	
X	Q_1	Q_0	Q_1	Q_0
0	0	0	1	1
1	0	0	0	0
0	0	1	1	0
1	0	1	0	0
0	1	0	0	1
1	1	0	1	0
0	1	1	1	0
1	1	1	1	1

2. (1 pts) Is the system from the next-state table in problem 1 a Moore machine or a Mealy machine? Explain your answer.

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3. (4 pts) For the given state diagram, draw a next-state table.



4. (1 pt) Is the system from the state diagram in problem 3 a Moore machine or a Mealy machine? Explain your answer.