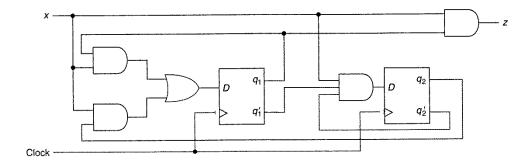
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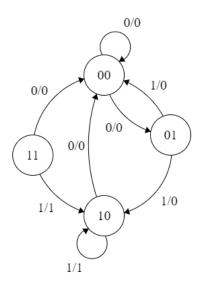
CS 206 DIGITAL LOGIC DESIGN LAB 9

Name: ID:

Q1.

- a. Implement the sequential circuit in the figure.
- b. Build its state table.
- c. Build its state diagram.





$$Z = Xq1$$

$$q1 = Xq1 + Xq2$$

Present State		Input	Next State		Output
q1	q2	X	q1	q2	Z
0	0	0	0	0	0
0	0	1	0	1	0
0	1	0	0	0	0
0	1	1	1	0	0
1	0	0	0	0	0
1	0	1	1	0	1
1	1	0	0	0	0
1	1	1	1	0	1

