

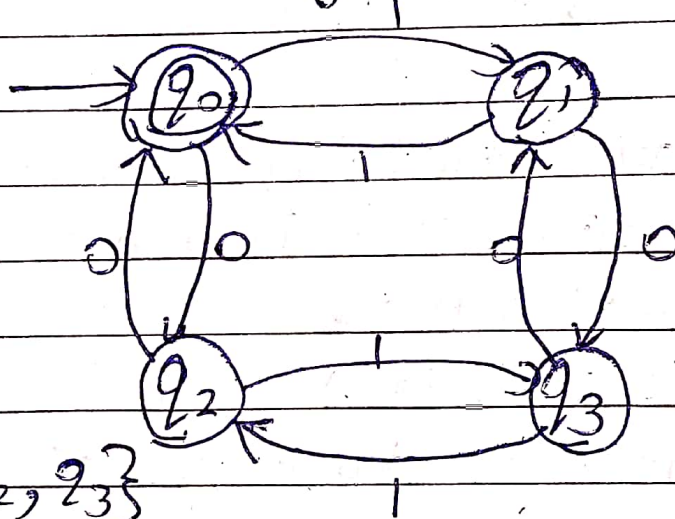
Page :

Date: / /

Qec → 2

- Q1) Draw DFA of following over $\{0,1\}$:
i) All string with even number of 0's & even no. of 1's.

Soln DFA should accept the string such as 11, 00, 1010, 0101, 1111, 101101, etc
The transition diagram is given by



$\{q_0\}$ initial

$\{q_2\}$ final.

$Q = \{q_0, q_1, q_2, q_3\}$