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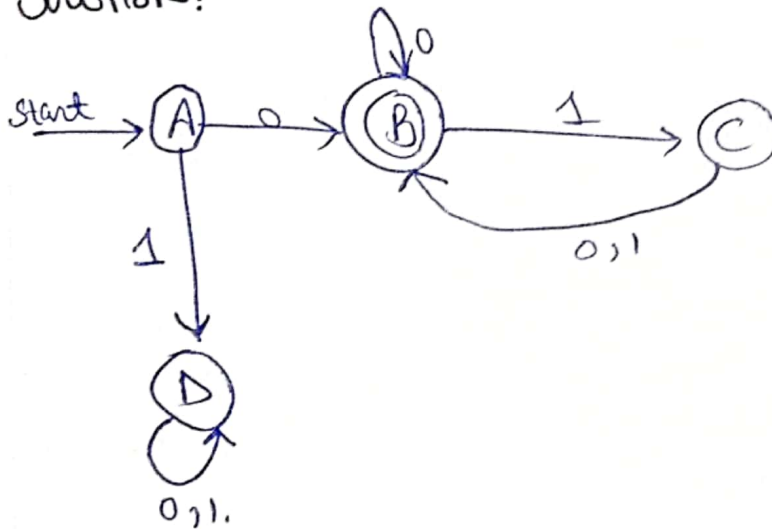
ENROLLMENT NO: 01-134192-030

CLASS: BS (CS)-4B.

Quiz No. 1. 10

QUESTION:

Solution:



formal Specification:

formal Specification for DFA is  $(Q, \Sigma, q_0, F, \delta)$ .

$$Q = \{A, B, C, D\}$$

$$\Sigma = \{0, 1\}$$

$$q_0 = A$$

$$F = \{B\}$$

$$\delta: Q \times \Sigma \rightarrow Q$$

Transition Table:

	0	1
$\rightarrow A$	B	D
* B	B	C
C	B	B
D	D	D