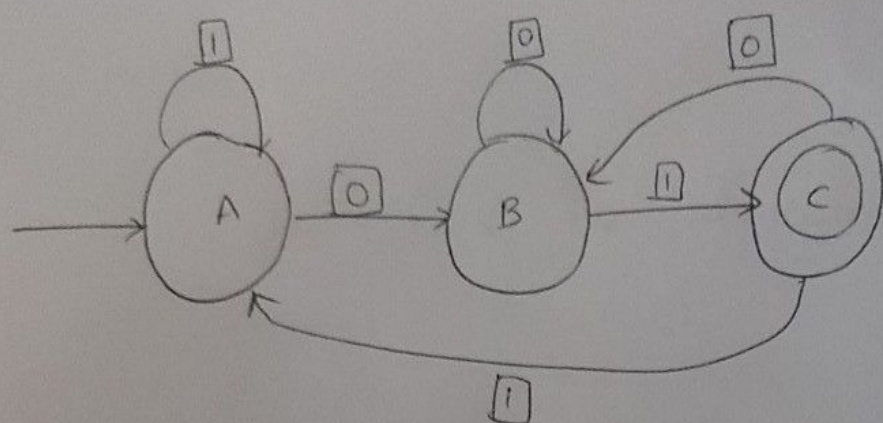


(4)



a) Example of a string accepted by this automaton

A 11001

(b) Example of a string rejected by this automaton

11100

(c) Language: the set of all strings accepted by an automaton is called the language of the automaton.

If  $M$  is an automaton on alphabet  $\Sigma$ ,

then  $L(M)$  is the language of  $M$ :

$$L(M) = \{ x \in \Sigma^* \mid M \text{ accept } x \}$$

Accepting stage is c

Any string ending with 01 outputs the  
accepting stage.

Eg: 1001

11000101

10011101