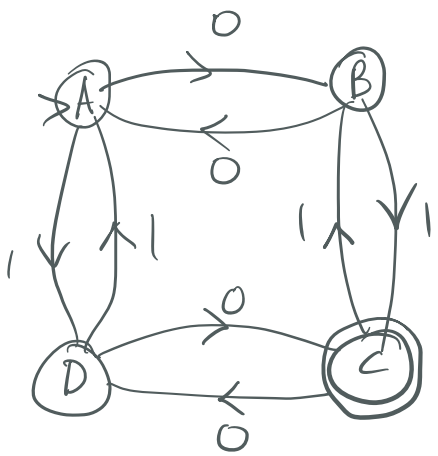
Definition of a Computation for Finite Automata



M

What is M's computation on input 011001 ?

A, B, C, B, A, B, C

or

a config

$$(A, 011001) \vdash (B, 11001) \vdash (C, 1001) \vdash (B, 001)$$
$$\vdash (A, 01) \vdash (B, 1) \vdash (C, \varepsilon)$$

Start State

input string

"turnstile"

"yields in one step"

Defn: A computation C for FA M on string s is accepting if the final configuration is (f, ε) where $f \in F$