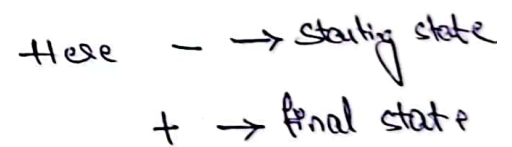


cwid: 50321021

Push Down Automata (PDA)



"abac"

$$q_0 \xrightarrow{a} q_0 \xrightarrow{b} q_1 \xrightarrow{a} q_2 \xrightarrow{c} q_3$$

final state so accepting

ii. $aaabac^4$: $q_0 \xrightarrow{a} q_0 \xrightarrow{a} q_0 \xrightarrow{a} q_0 \xrightarrow{b} q_1 \xrightarrow{a} q_2 \xrightarrow{c} q_3$

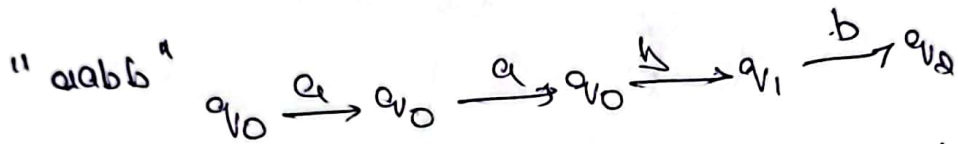
final state accepting

String that are not accepting

"abc"



it is move to dead state / non accepting state



it is also move to dead state / non accepting state.