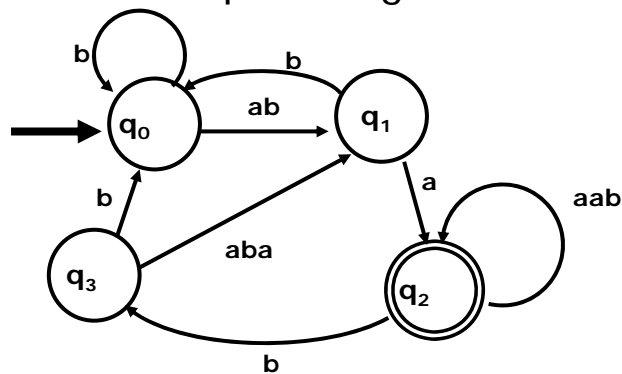




TRANSITION GRAPHS

วัตถุประสงค์

More powerful machine:
read one or more letters
of input string at a time



TRANSITION GRAPHS

นิยาม

กราฟการส่งผ่าน

TRANSITION GRAPHS

A transition graph (abbreviated TG) is a 5-tuple $(Q, \Sigma, q_0, \delta, A)$ where

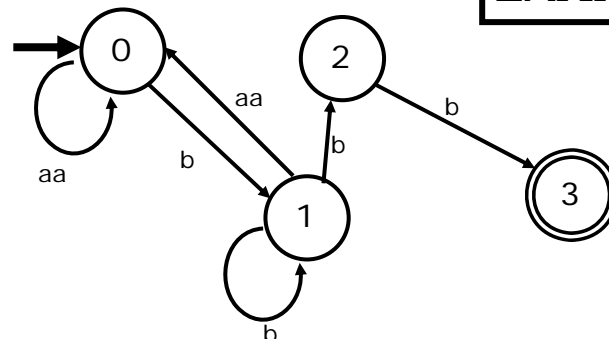
- Q means a finite set of states.
- Σ is a finite input alphabet.
- $q_0 \in Q$ named Initial state.
- $A \subseteq Q$, A is the set of all accepted states.
- δ is a function from $Q \times \Sigma^*$ to $P(Q)$, called transition function.

TRANSITION GRAPHS

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TRANSITION GRAPHS

EXAMPLE



Language associated with this TG is $(aa+b)^*bbb$.