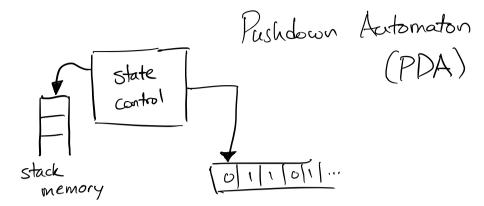
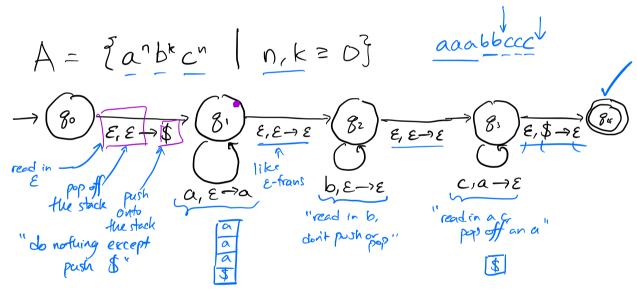
Dipoer pp. 111-114



- 1. Read in an input character
- 3. Pop a character off the stack
 - 3. Move to a new state
- (4. Push a character onto the stack



Def. (PDA, Formal). A Pushdown Automaton is a 6-tuple (Q, Z, I, go, F, S) where:

- Q is the set of states { 20,8,8,8,8,8
- Z is the input alphabet {a, b, c}
- I' is the stack alphabet [\$, a] ?\$, a,b,c?
- 90 is the start state

- F is the set of accept states $\{g_{4}\}$ - and $S: Q \times Z_{\mathcal{E}} \times \Gamma_{\mathcal{E}} \longrightarrow P(Q \times \Gamma_{\mathcal{E}})$ is the transition function.

"give me a state,

an input symbol or \mathcal{E} ,

and a stack symbol or \mathcal{E} ." $S(g_{1}, a, \mathcal{E}) = \{(g_{1}, a), (g_{6}, \mathcal{E})\}$ "go to these pairs of (state, pash symbol)".