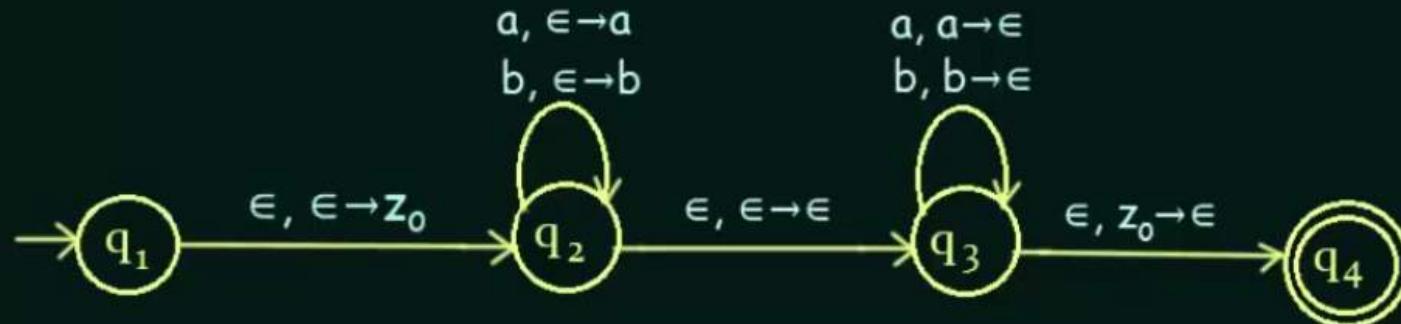


L2.2 Automata Example (Even Palindrome) PART-2

Pushdown Automata - Example (Even Palindrome) PART- 2

Construct a PDA that accepts Even Palindromes of the form

$$L = \{ ww^R \mid w = (a+b)^+ \}$$

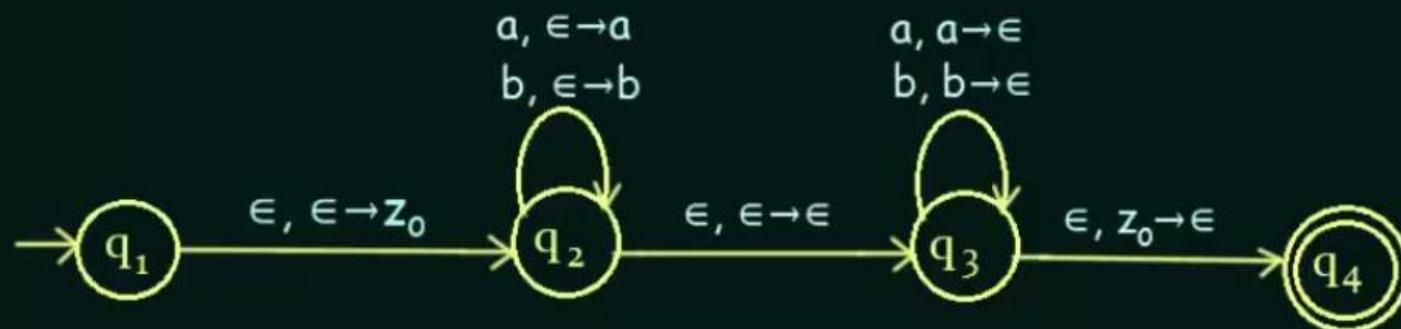


Example: a b b a

Pushdown Automata - Example (Even Palindrome) PART- 2

Construct a PDA that accepts Even Palindromes of the form

$$L = \{ ww^R \mid w = (a+b)^+ \}$$



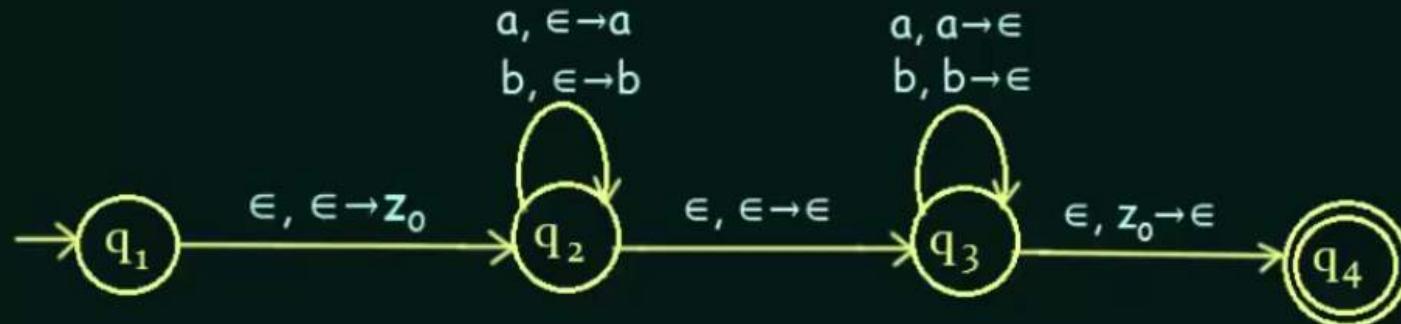
Example: a b b a



Pushdown Automata - Example (Even Palindrome) PART- 2

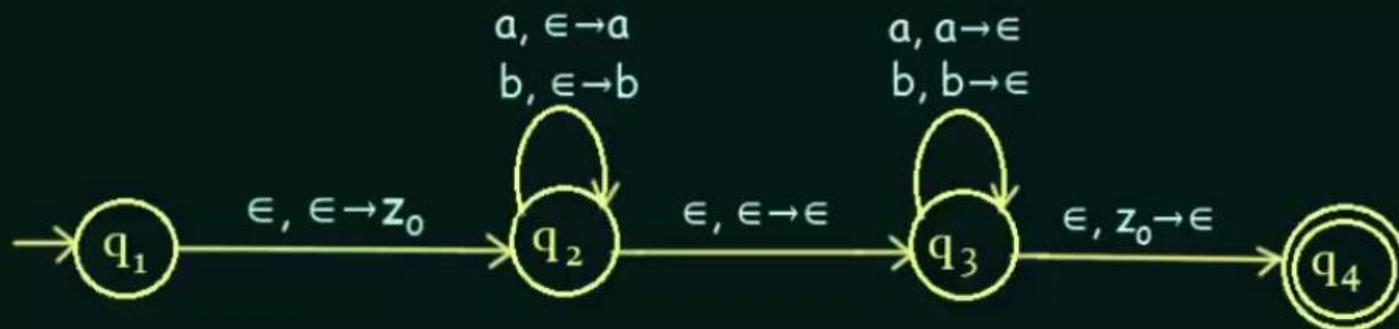
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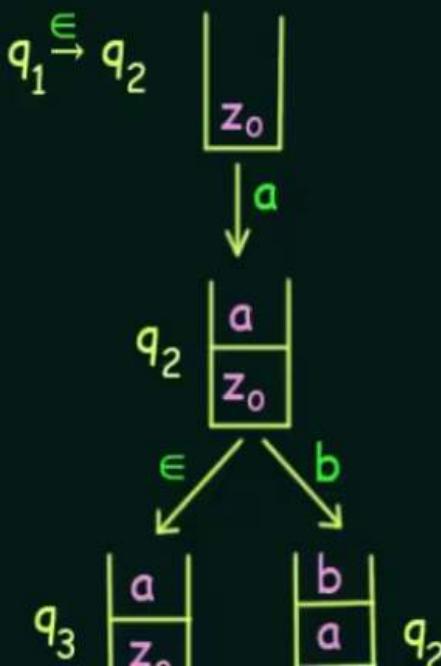


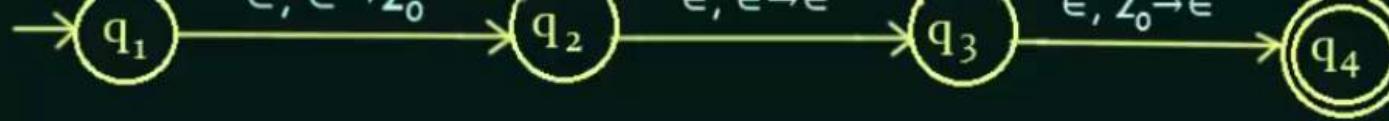
Example: $\epsilon \in a \in b \in b \in a \in$



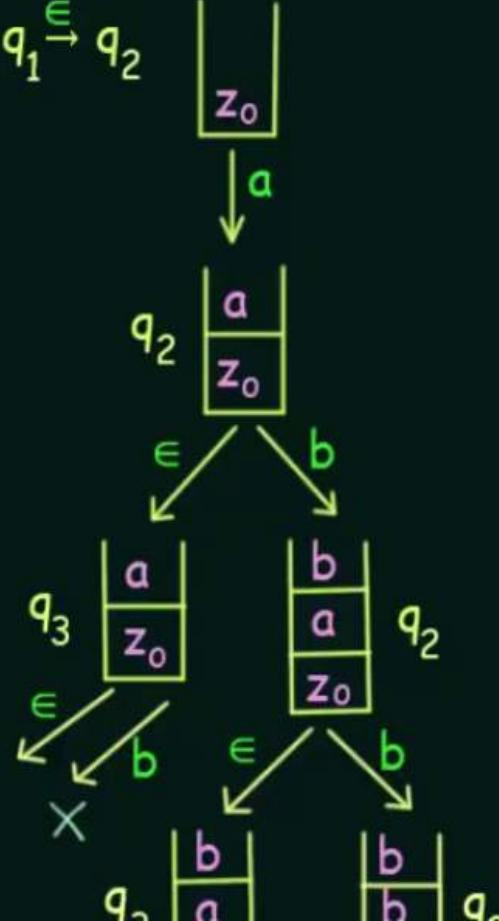


Example: $\epsilon \in a \in b \in b \in a \in$

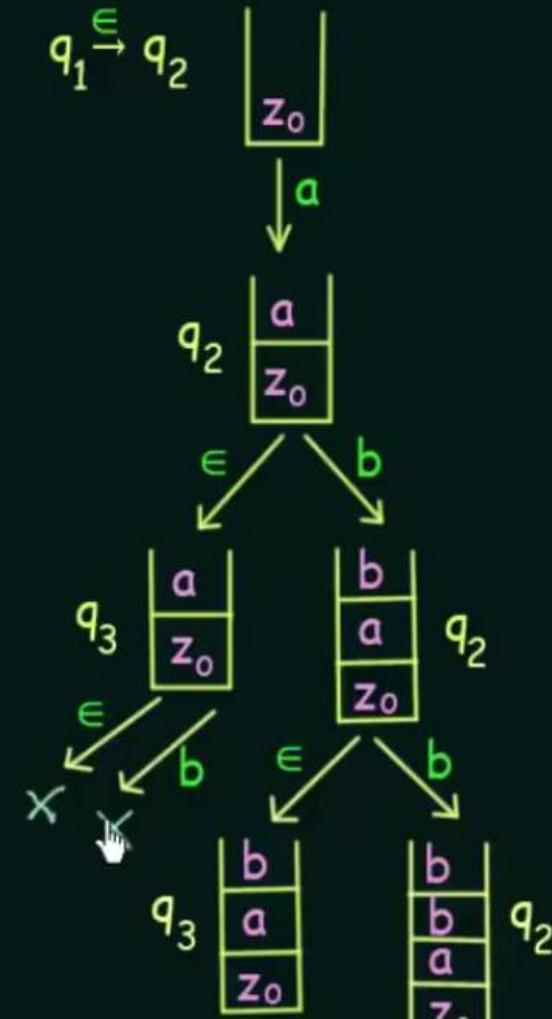


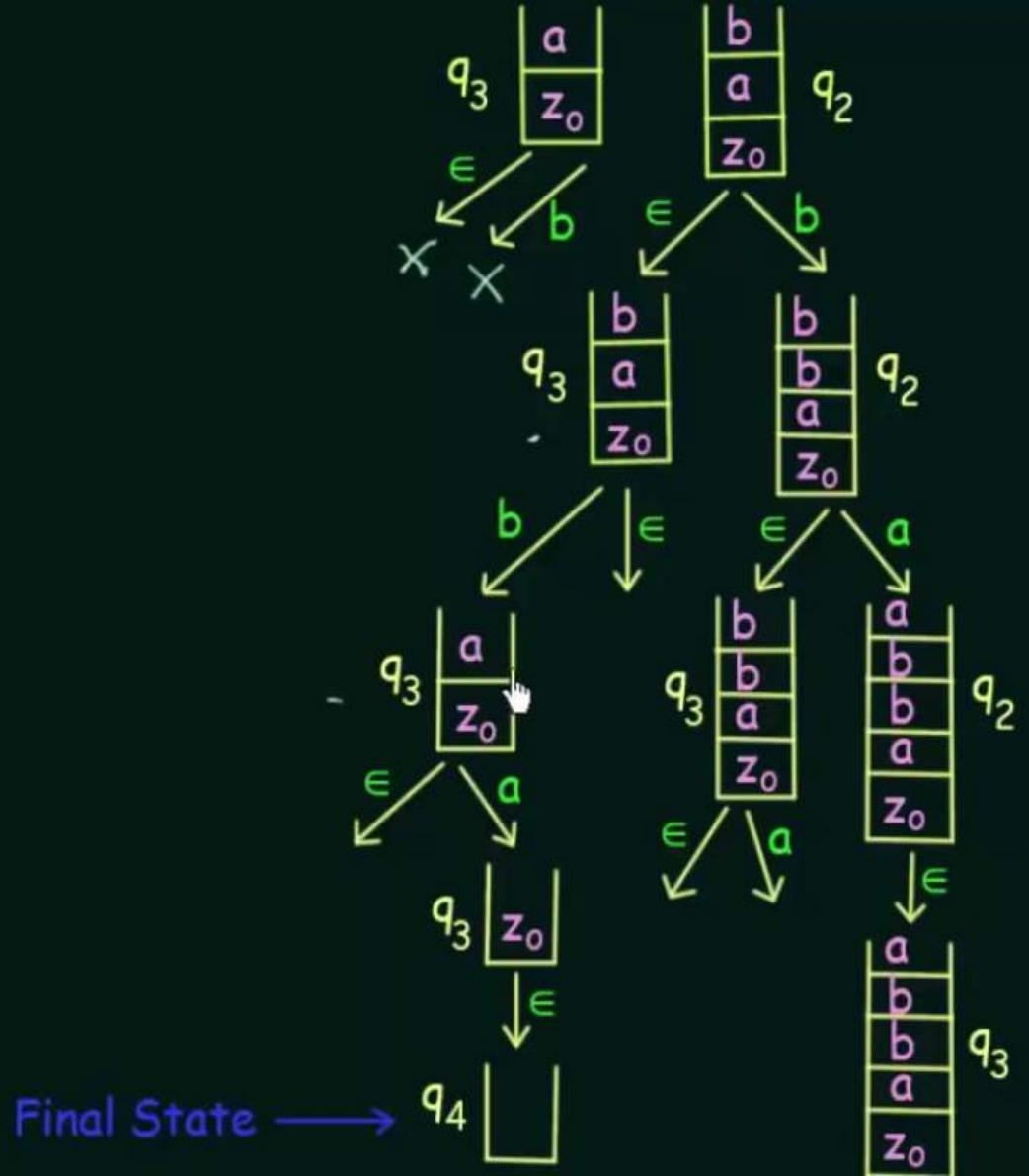


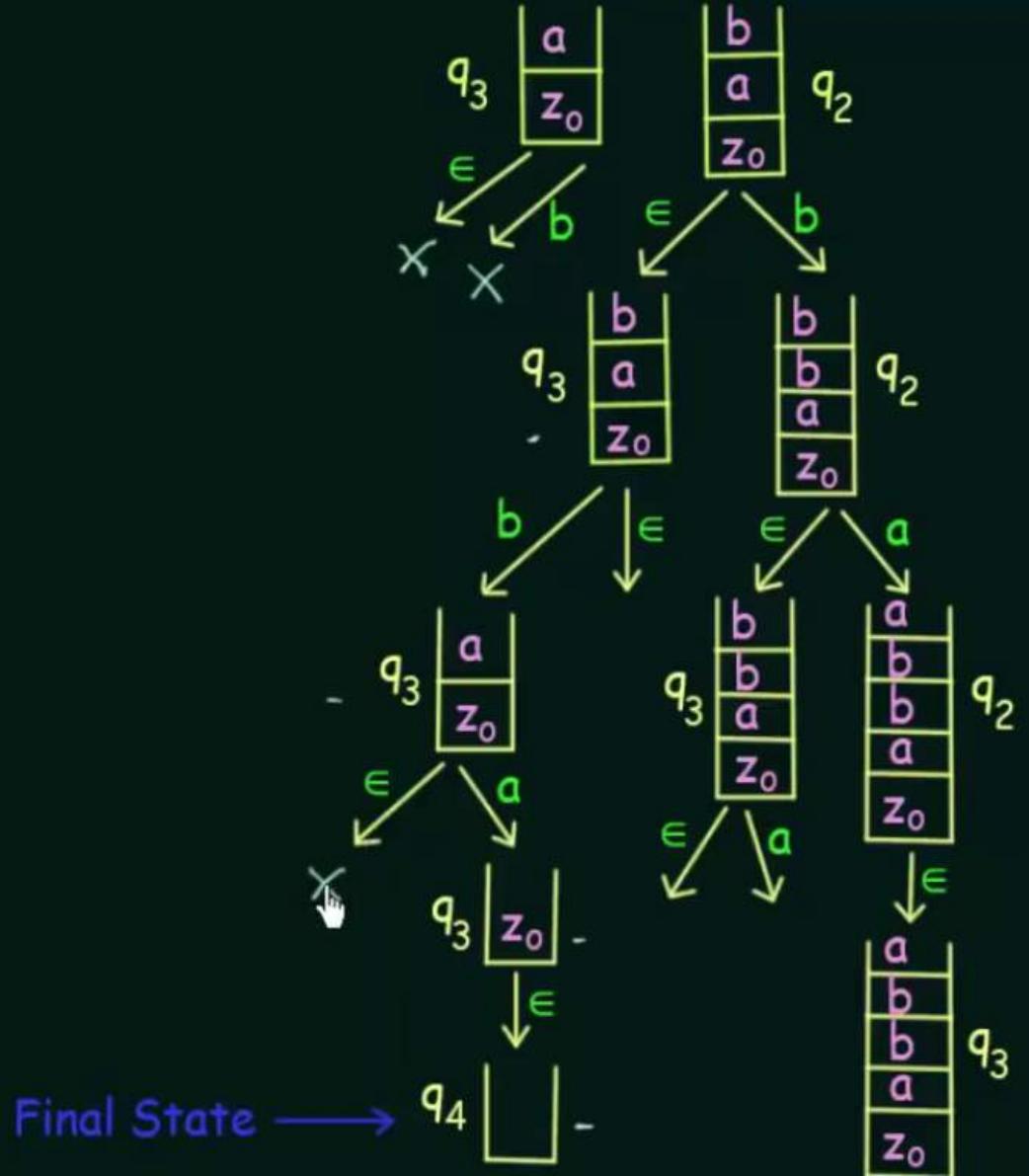
Example: $\underline{ε} \underline{a} \underline{b} \underline{b} \underline{a} \underline{ε}$

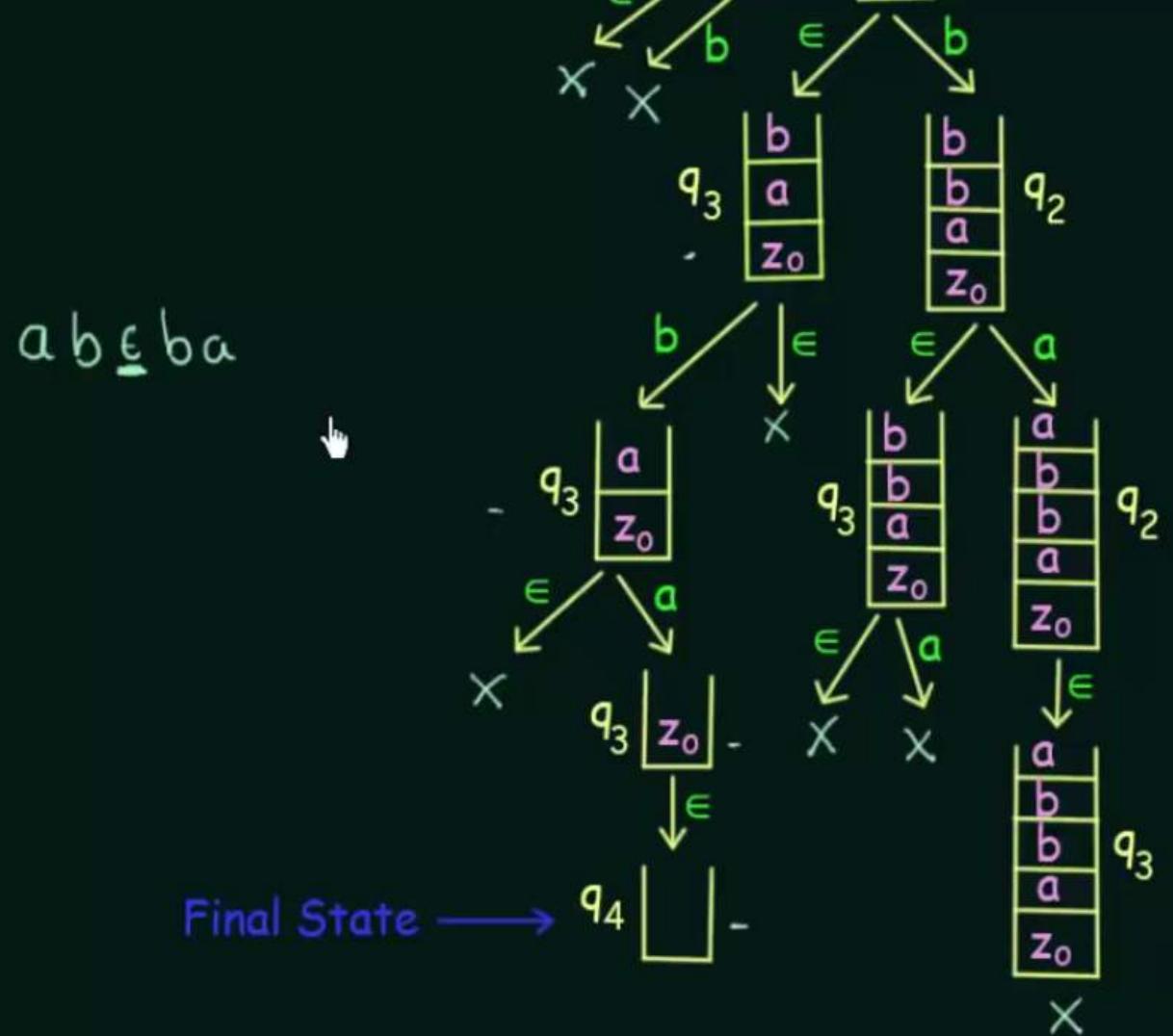


Example: $a \in b \in b \in a \in$





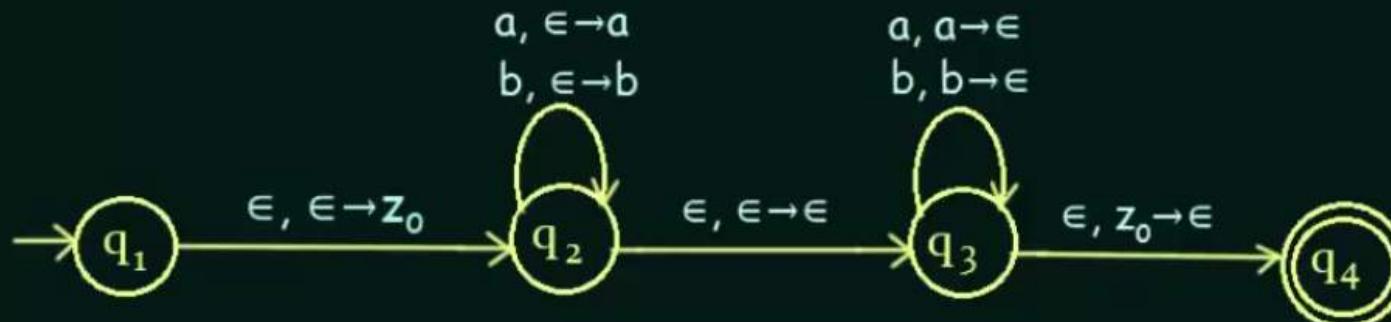




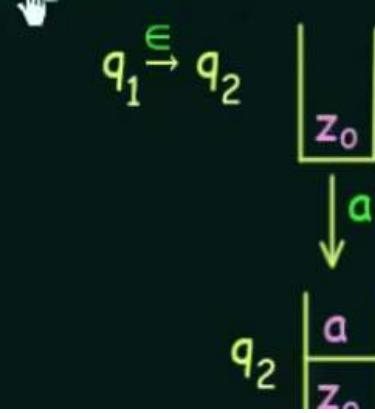
Pushdown Automata - Example (Even Palindrome) PART- 2

Construct a PDA that accepts Even Palindromes of the form

$$L = \{ ww^R \mid w = (a+b)^+ \}$$



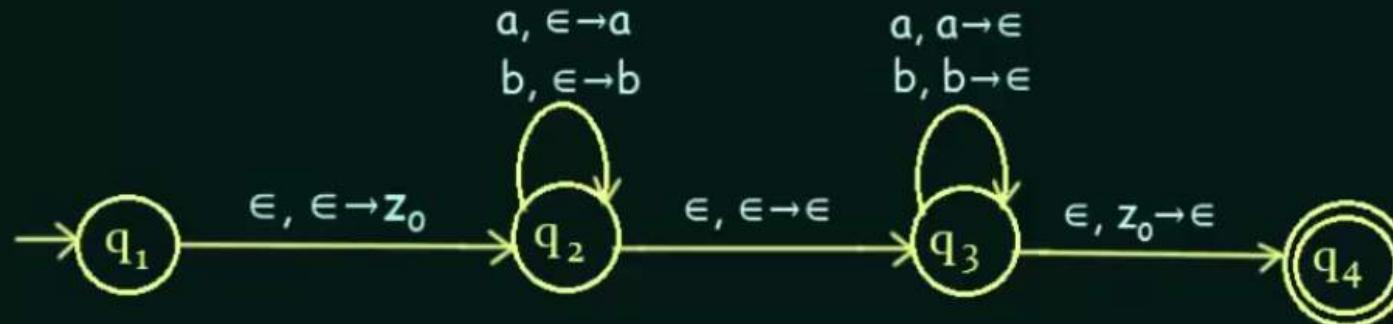
Example: $\epsilon a \epsilon b \epsilon b \epsilon a \epsilon$



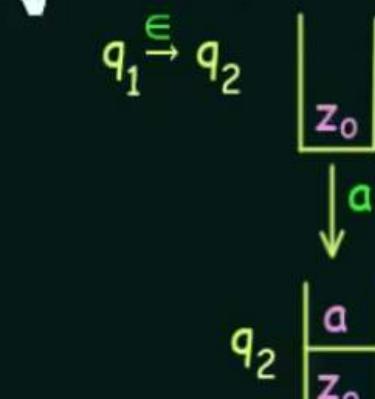
Pushdown Automata - Example (Even Palindrome) PART- 2

Construct a PDA that accepts Even Palindromes of the form

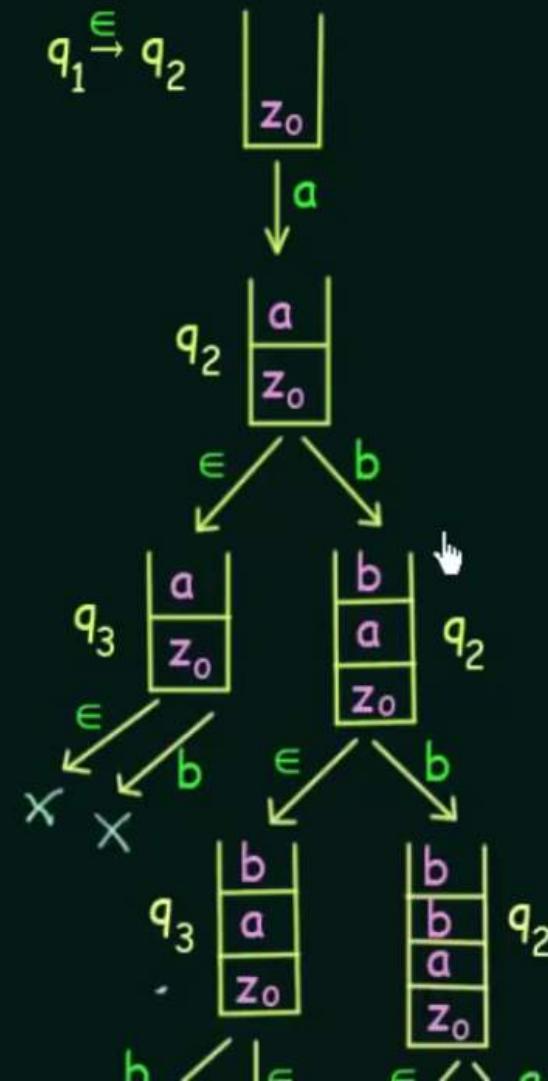
$$L = \{ ww^R \mid w = (a+b)^+ \}$$



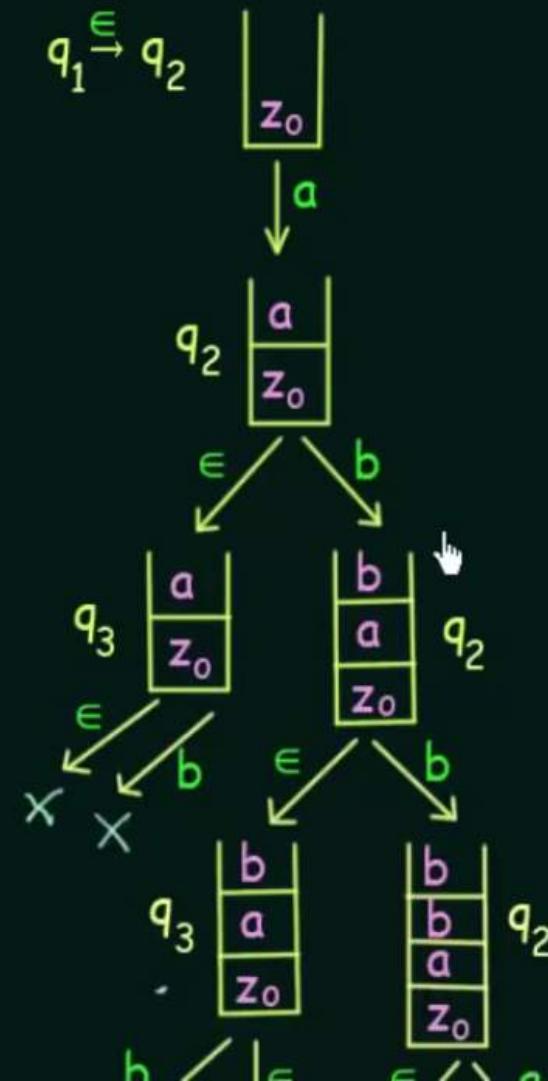
Example: $\epsilon a \epsilon b \epsilon b \epsilon a \epsilon$

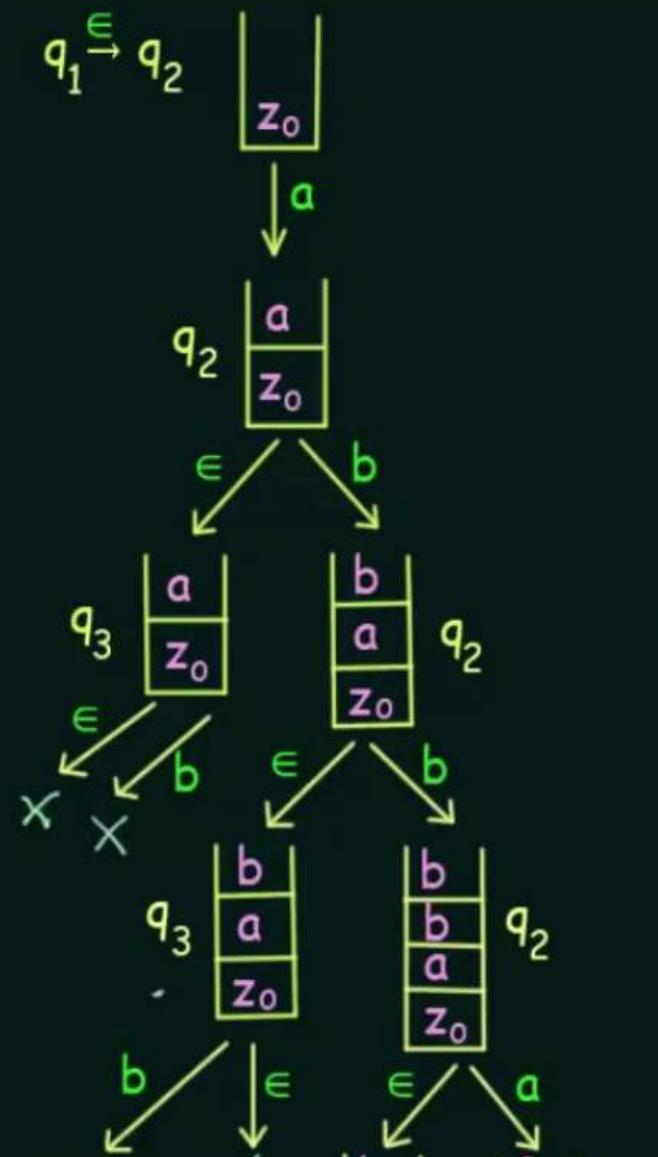


Example: $\in a \in b \in b \in a \in \quad \checkmark$



Example: $\in a \in b \in b \in a \in \quad \checkmark$





$a b \in b a$

