

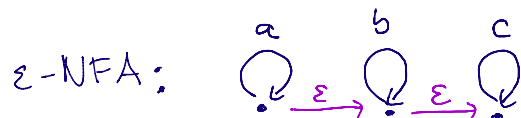
- Attempt Exercise 2.5.3.a (p.79): Find ϵ -NFAs that recognise:

a) The set of strings consisting of zero or more a 's followed by zero or more b 's, followed by zero or more c 's.

Reg. Exp.: $a^* b^* c^*$

NFA $\{ \delta : Q \times \Sigma \rightarrow SQ \}$
input symbols

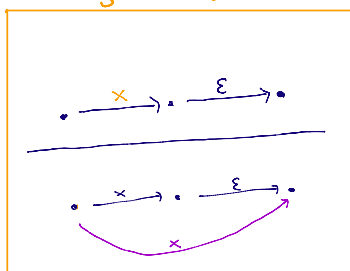
ϵ -NFA $\{ \delta : Q \times \underline{\Sigma \cup \{\epsilon\}} \rightarrow SQ \}$



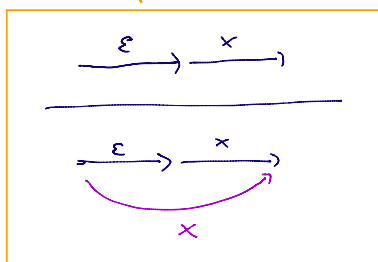
the idea:

graph rewriting

"right rule"



"left rule"



pattern

add a new transition



After:

