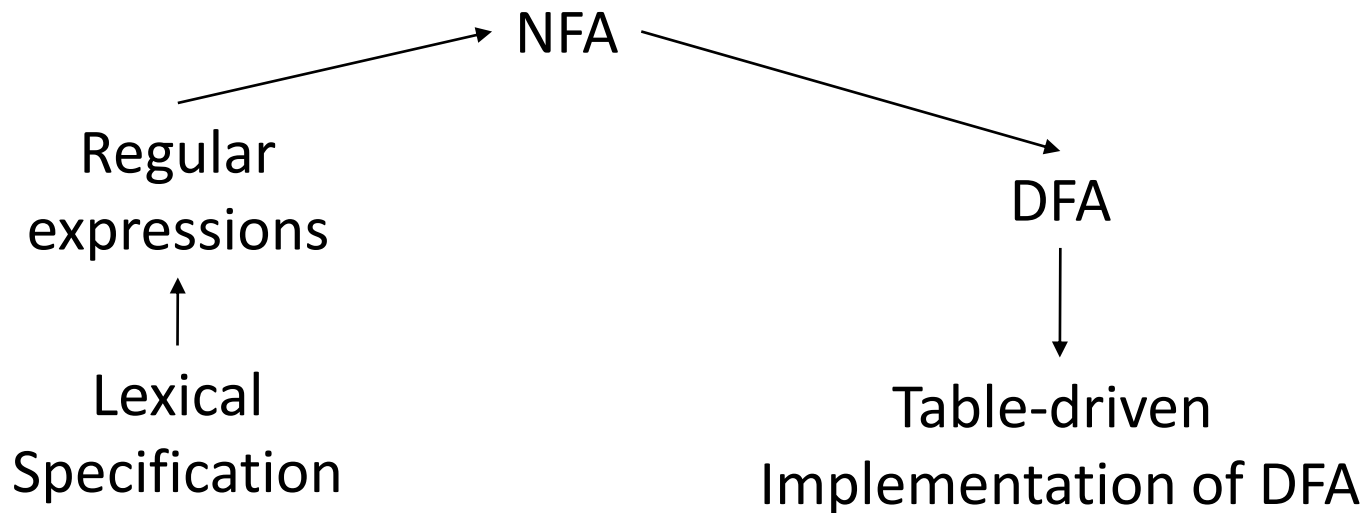




Compilers

Regular Expressions to NFAs



For each kind of rexp, define an NFA

– Notation: NFA for rexp **M**



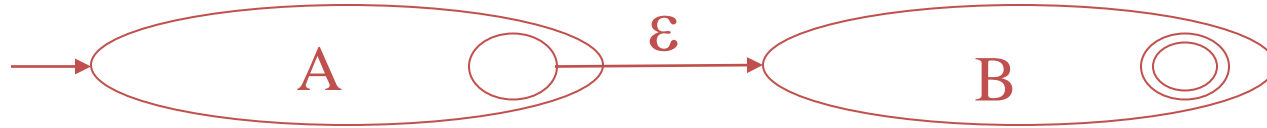
- For **ϵ**



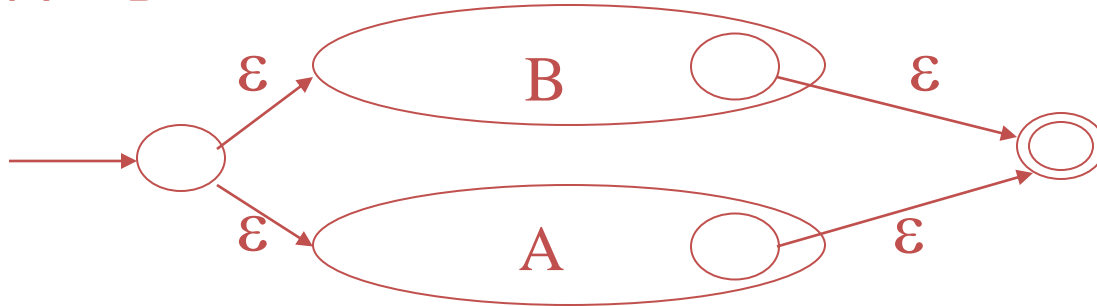
- For input **a**



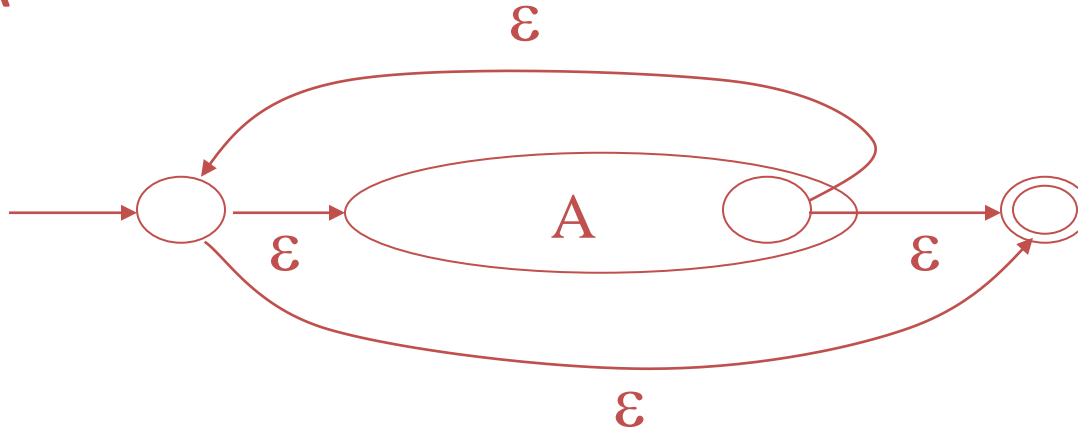
- For **AB**



- For **A + B**



- For A^*



- Consider the regular expression

$(1+0)^*1$

RegExp to NFA

Choose the NFA that accepts the following regular expression: $1^* + 0$

