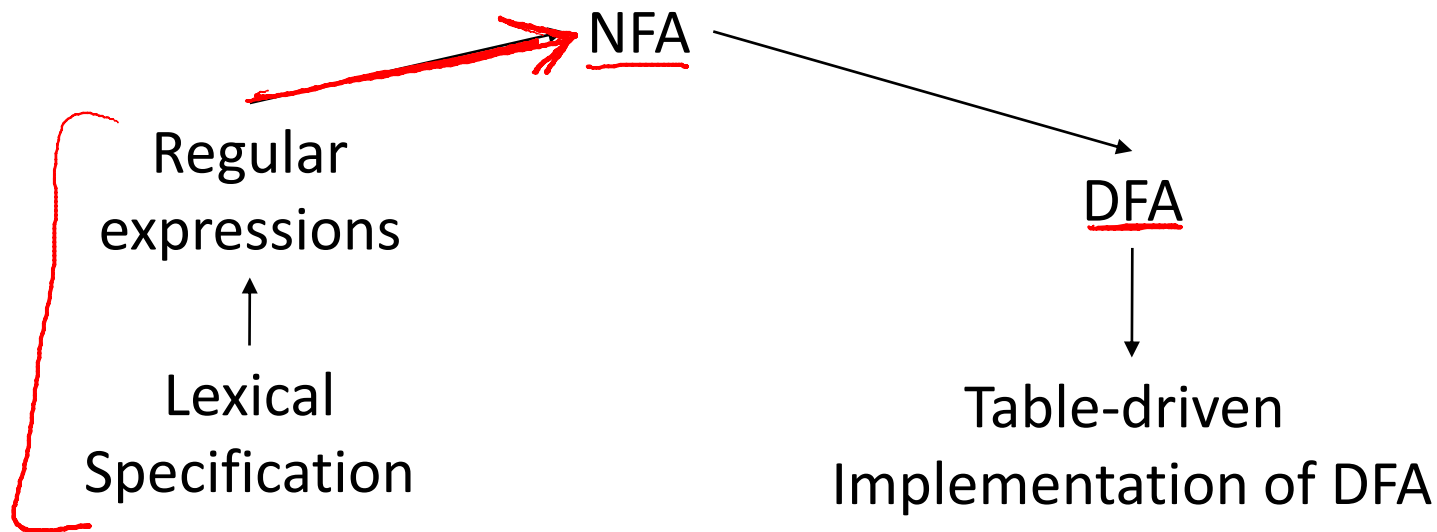




Compilers

Regular Expressions to NFAs



equivalent

For each kind of rexp, define an NFA

– Notation: NFA for rexp **M**



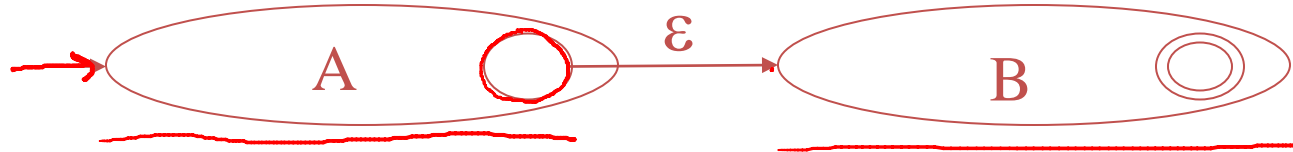
- For **ϵ**



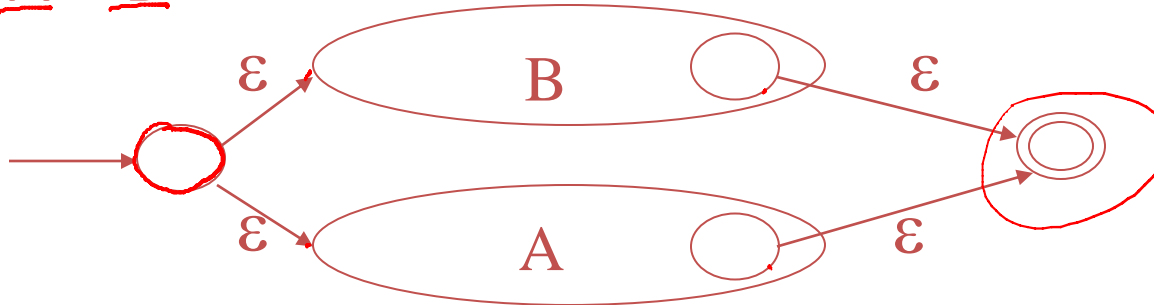
- For input **a**



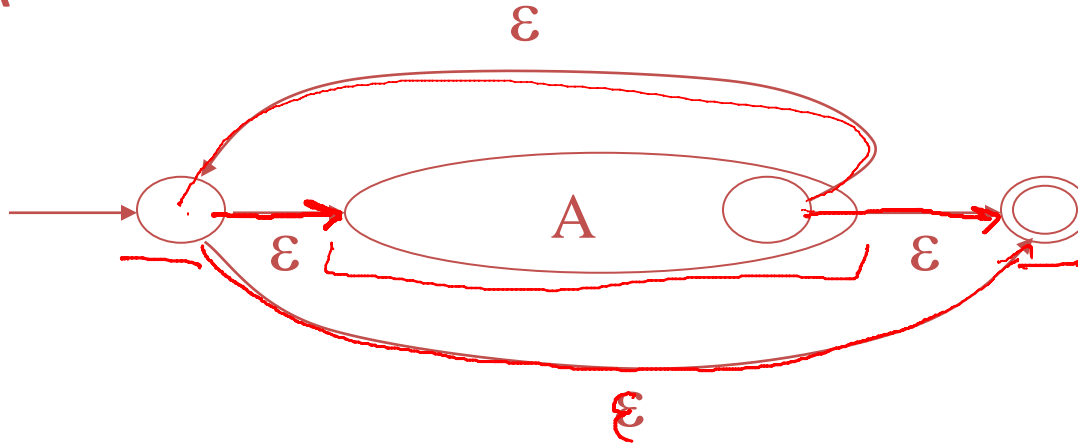
- For AB



- For A + B

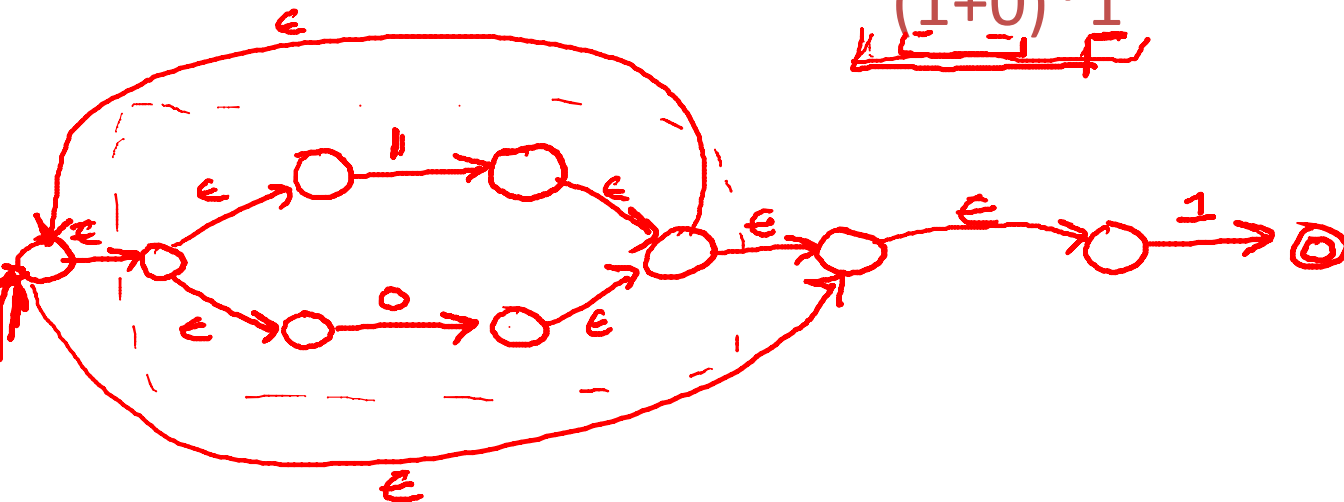


- For A^*



- Consider the regular expression

$(1+0)^*1$



RegExp to NFA

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

