nfa1 • nfa2

nfa1.END.arrows.append(nfa2.START)

nfa = NFA(Start, End)

Stack.append(nfa)

Example

infix a.b

postfix ab.

$Q = \{nfa1, nfa2\}$

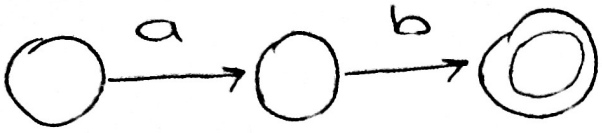
$\Sigma = \{a, b\}$

$q_0 = nfa1$

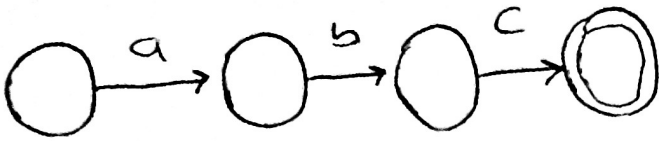
$F = nfa2$

$\delta = Q \times \Sigma \rightarrow 2^Q$

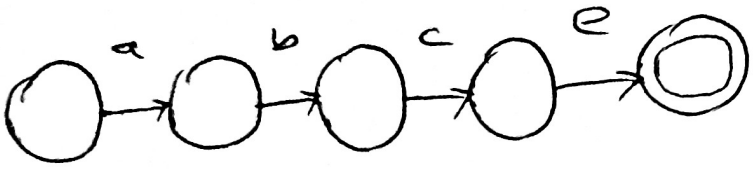
Thomson Algorithm (Concatenation regular expression)



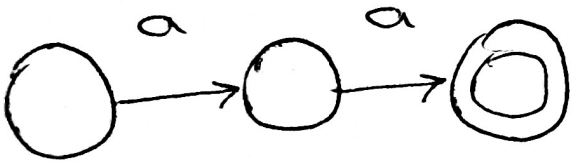
ab ✓
b
bb
a



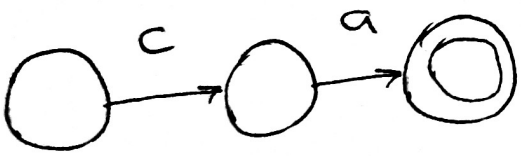
abc ✓
abcc
aabc



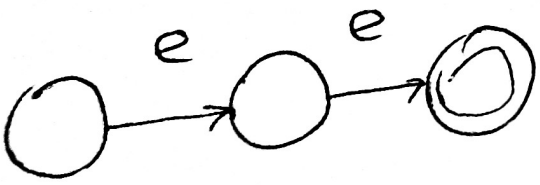
abc
abce ✓
abca



ab
b
bb
aa ✓



ac ✓
acca
aa



eee
abee
eeca
ee ✓