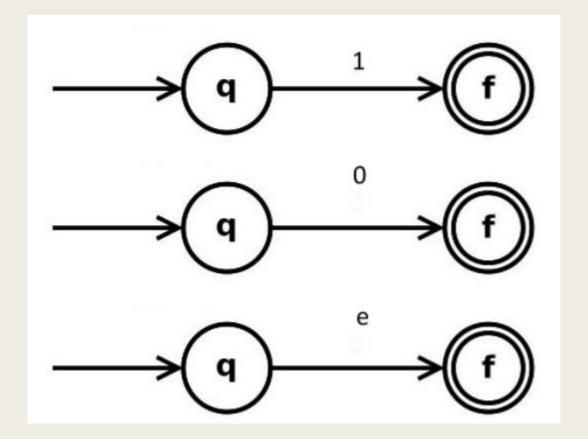
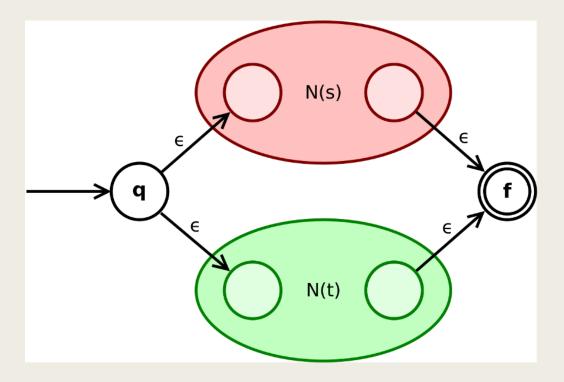
THOMPSON'S CONSTRUCTION

Task 3

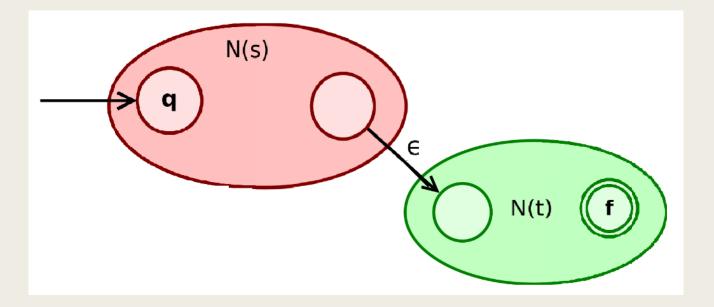
■ A **symbol** { 0, 1, e } is converted to:



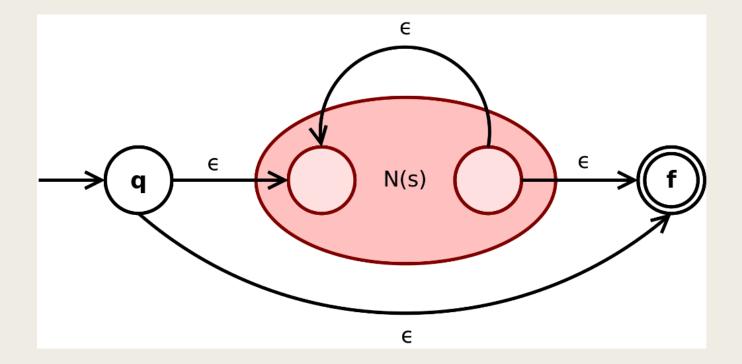
■ The union expression s | t is converted to:



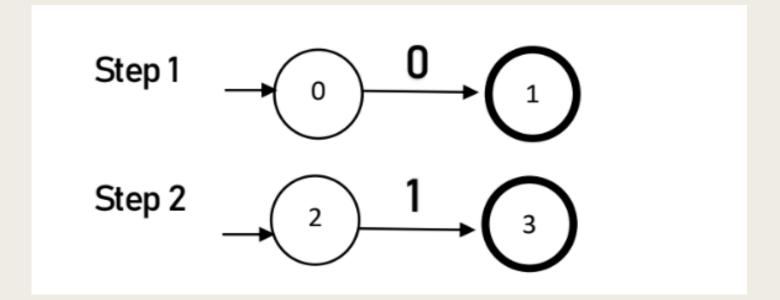
■ The **concatenation expression** s.t is converted to:



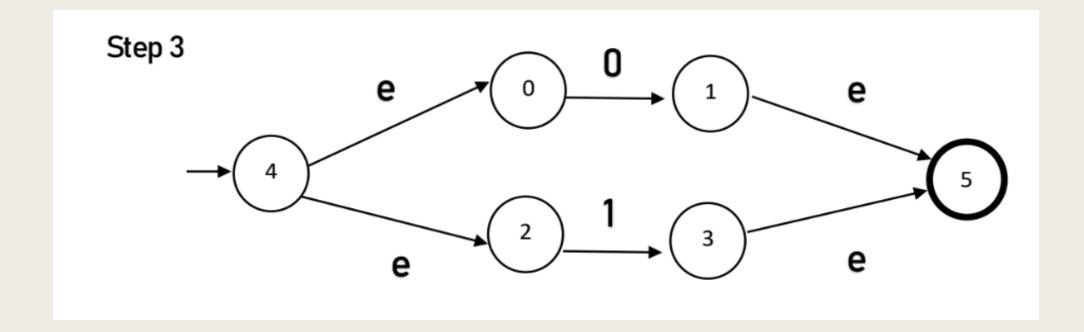
■ The **Kleene star expression** s* is converted to:



Example: "01|"



Example: "01|"



Example: "01|"

Output: 6#4#5#0,1#2,3#1,5;3,5;4,0;4,2

- Make sure you keep track the states number
- The output NFA should have the same number of states.