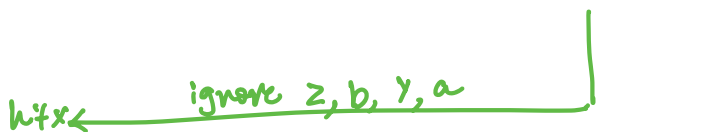
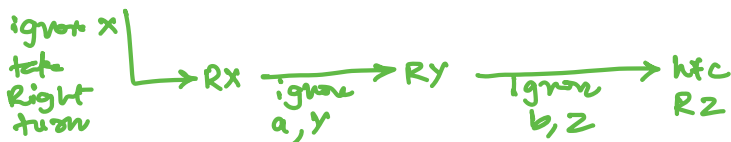
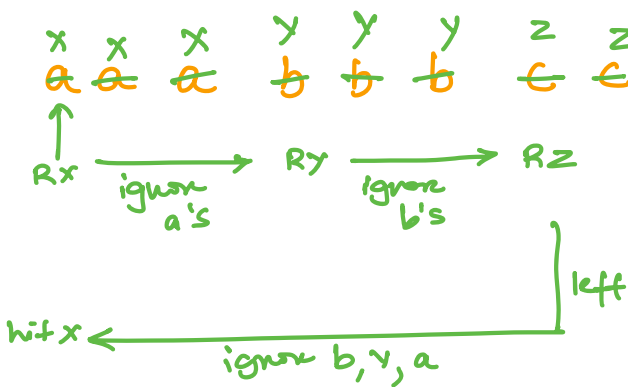


eg:  $a^n b^n c^n \mid n \geq 1$

B B a a a b b b c c c B B B

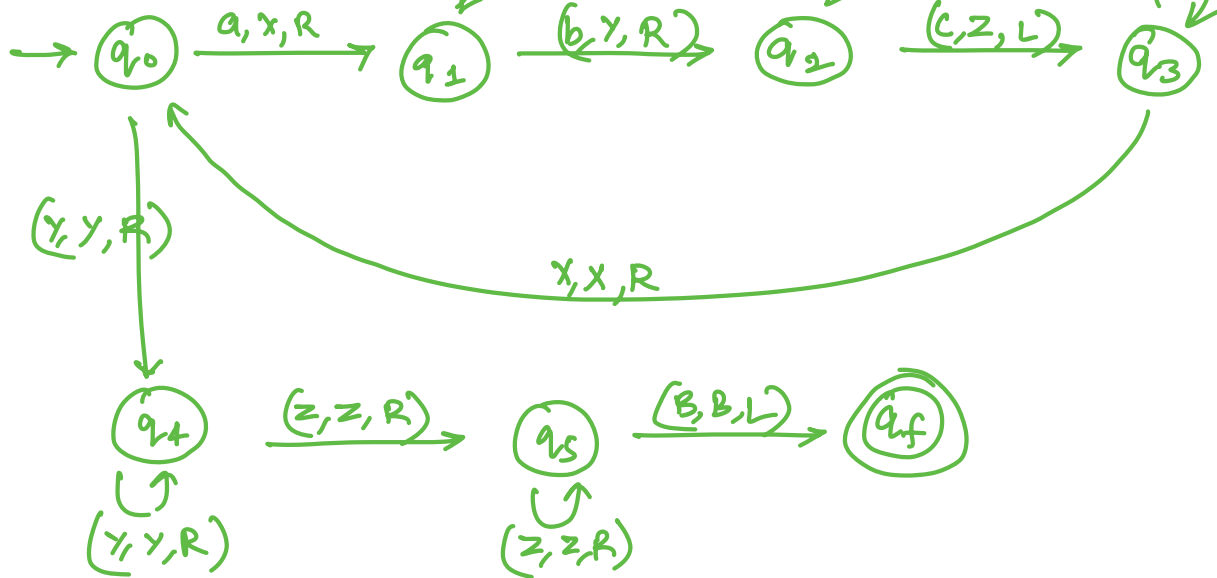


B a a a b b b c c c B

(y, y, R)  
(a, a, R)

(z, z, R)  
(b, b, R)

(z, z, L)  
(a, a, L)  
(y, y, L)  
(b, b, L)



eg: ~~aa~~bb~~bb~~ ∈ ε  
 xxyy = z

q4 state  
 n transitions?

eg: ~~a~~accbb  
 x

q1 state  
 c transitions?

Transitions:

$$\delta(q_0, a) = (q_1, x, R)$$

$$\delta(q_0, y) = (q_4, y, R)$$

⋮  
 ⋮  
 ⋮  
 ⋮