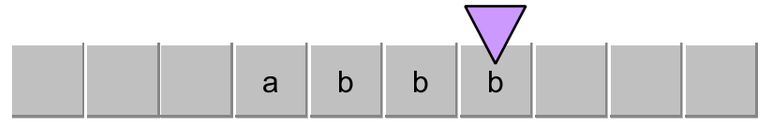
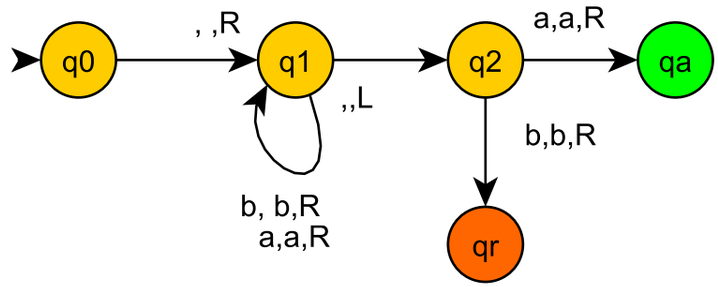
L(M) = {.*a | . \in {a,b}}





M = (Q, Σ, Γ, δ,q,a,r)

Q = {q0, q1, q2, qa, qr}
Σ = {a,b}
Γ = {a, b, }
δ = ({(q0,),(q1,,R)),
((q1, a),(q1, a, R)),
((q1, b),(q1, b, R)),
((q1,), (q2, , L)),
((q2, a),(qa, a, R)),
((q2, b), (qr, b, R))}
q = q0
a = qa
r = qr

L(M) = {w w** R | R is reversed}