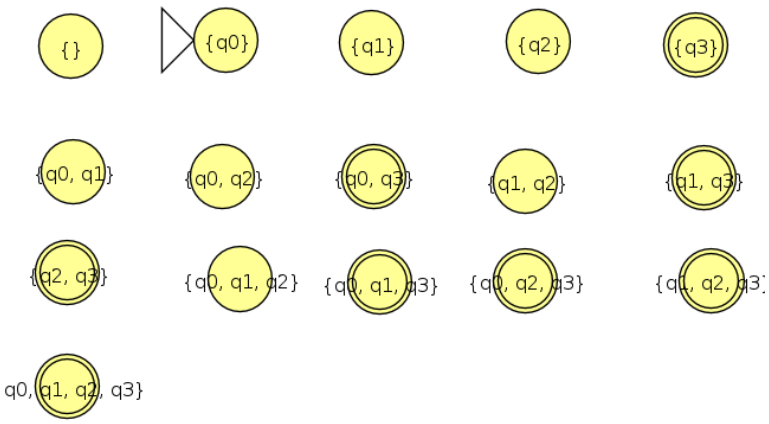
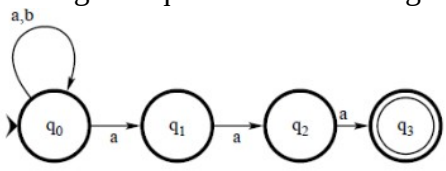
Raphael Prandini Thome de Abrantes – 31828728

1)
$2^4 = 16$ subconjuntos

{}
{q0} inicial
{q1}
{q2}
{q3} final
{q0, q1}
{q0, q2}
{q0, q3} final
{q1, q2}
{q1, q3} final
{q2, q3} final
{q0, q1, q2}
{q0, q1, q3} final
{q0, q2, q3} final
{q1, q2, q3} final
{q0, q1, q2, q3} final

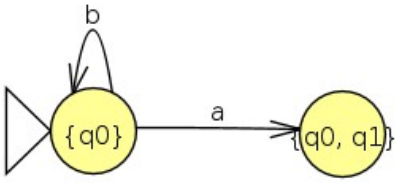


Observando o original: quais estados conseguimos chegar a partir do inicial

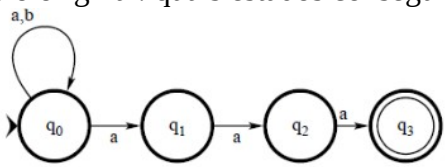


ço para um afnd:

δ({q0}, a) = { q0, q1}
δ({q0}, b) = { q0}

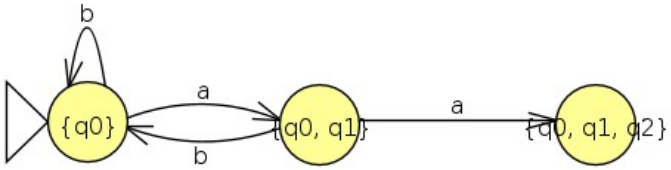


Observando o original: quais estados conseguimos chegar

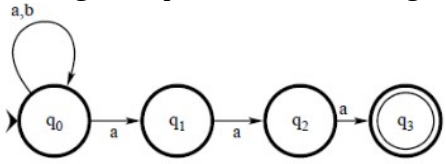


ço para um afnd:

δ({q0, q1}, a) = { q0, q1 ,q2}
δ({q0, q1}, b) = { q0}

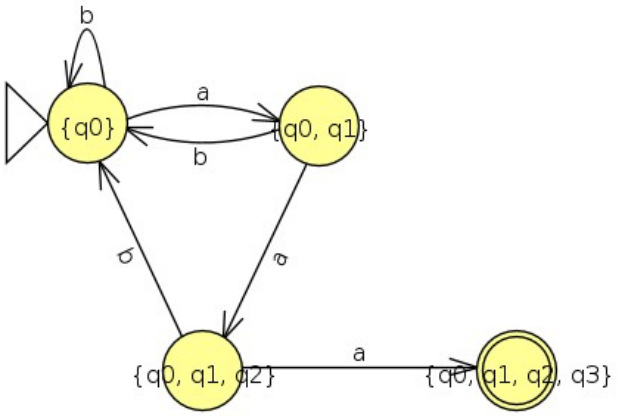


Observando o original: quais estados conseguimos chegar

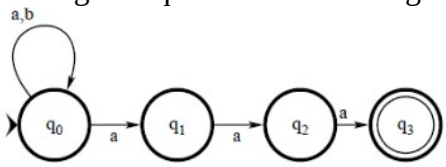


ço para um afnd:

δ({ q0, q1 ,q2}, a) = {q0, q1} ∪ {q2} ∪ {q3} = {q0, q1, q2, q3}
δ({ q0, q1 ,q2}, b) = {q0} ∪ {} ∪ {} = {q0}



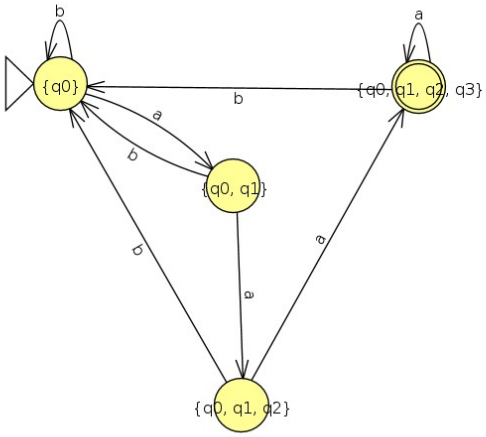
Observando o original: quais estados conseguimos chegar



ço para um afnd:

δ({q0, q1, q2, q3}, a) = {q0, q1} ∪ {q2} ∪ {q3} ∪ {} =
δ({q0, q1, q2, q3}, b) = {q0} ∪ {} ∪ {} = {q0}

Resposta:



2)