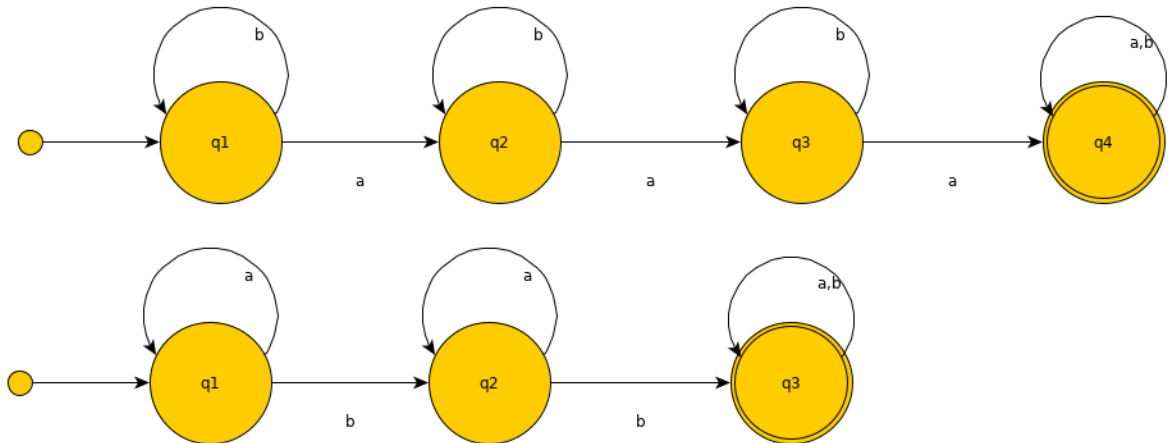
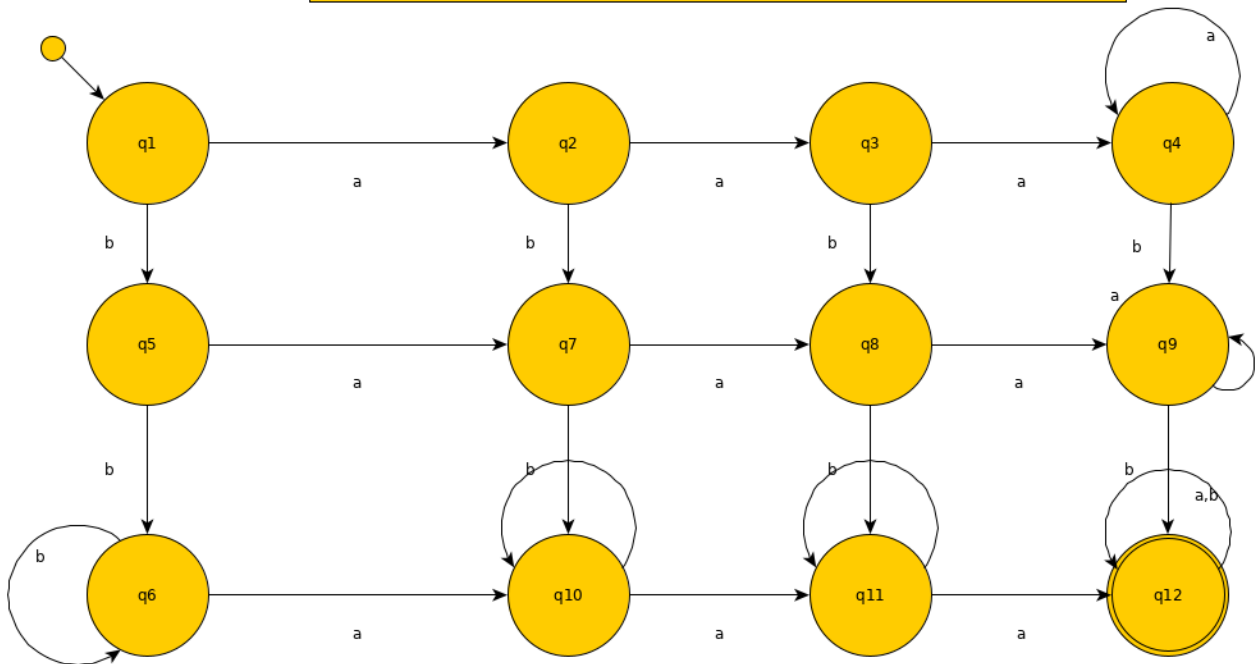


Exercício 1.4

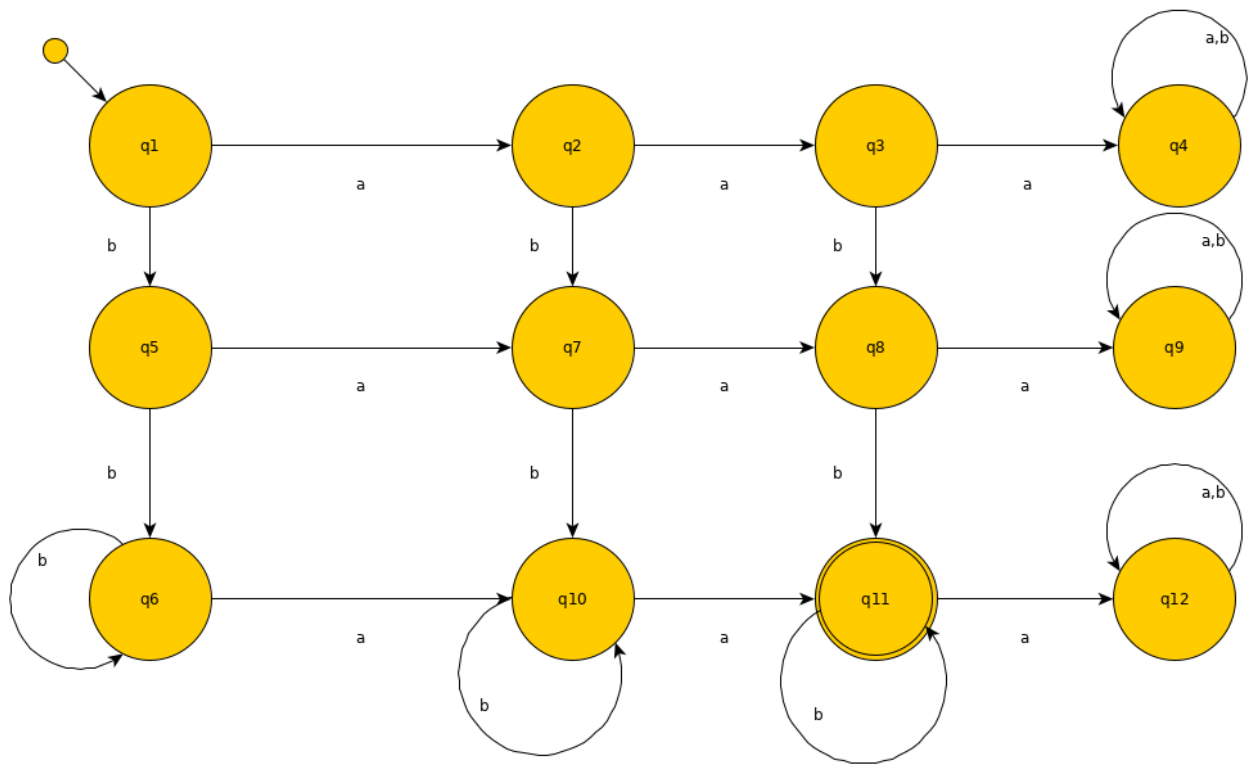
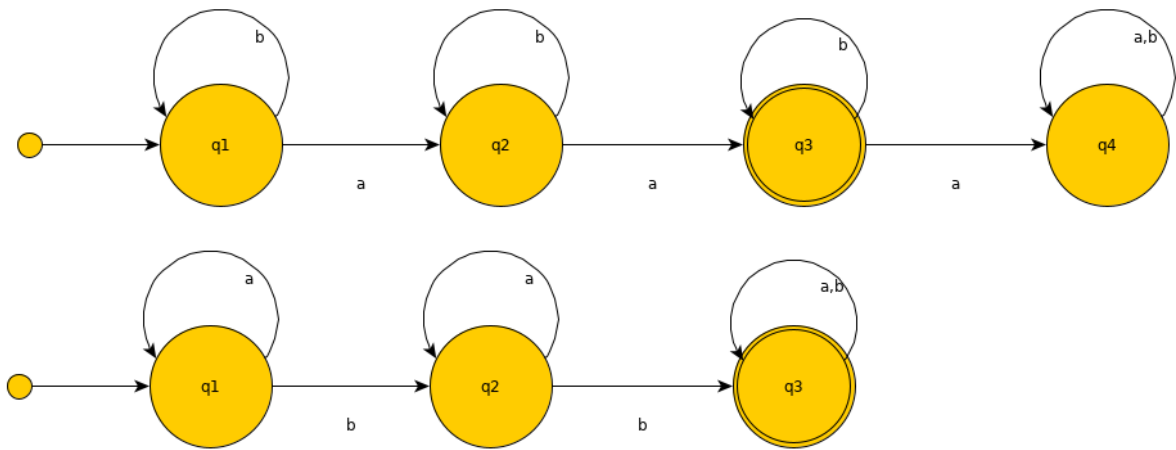
$w \mid w$ tem pelo menos 3 "a" e pelo menos 2 "b"



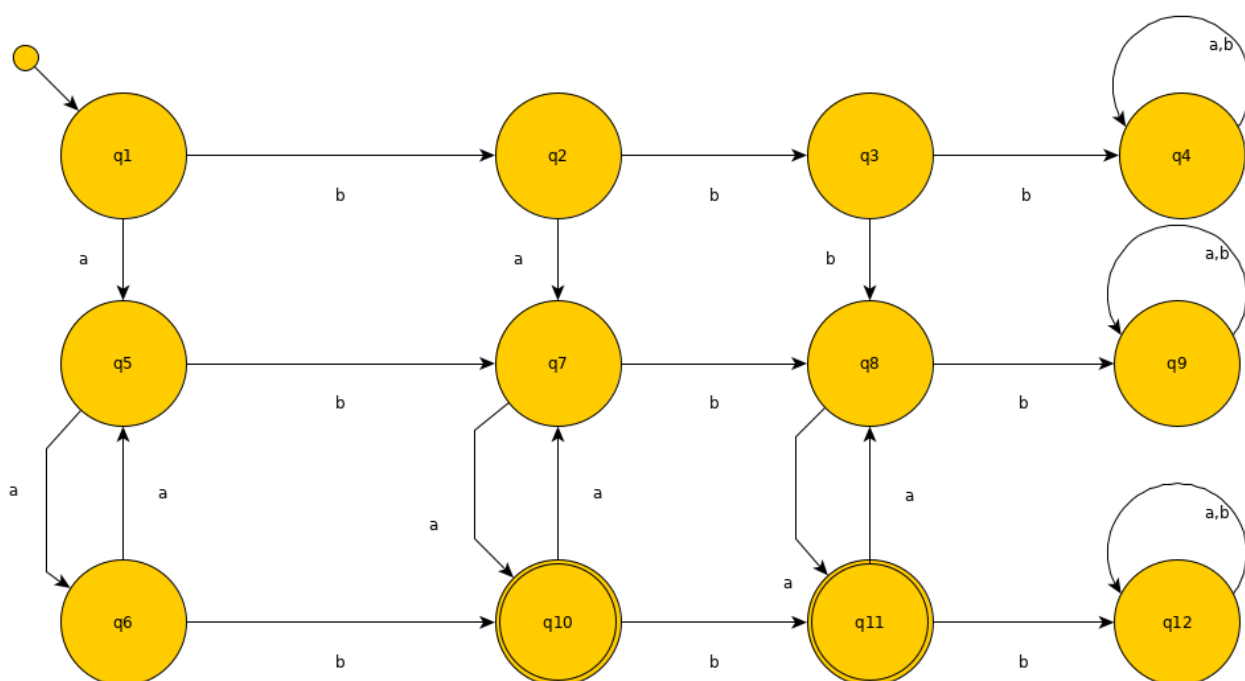
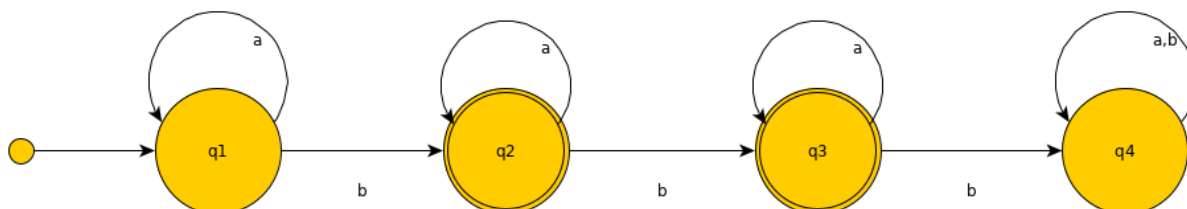
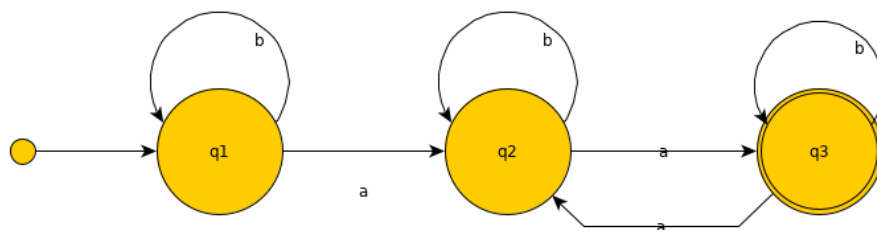
aaabb bbaaa



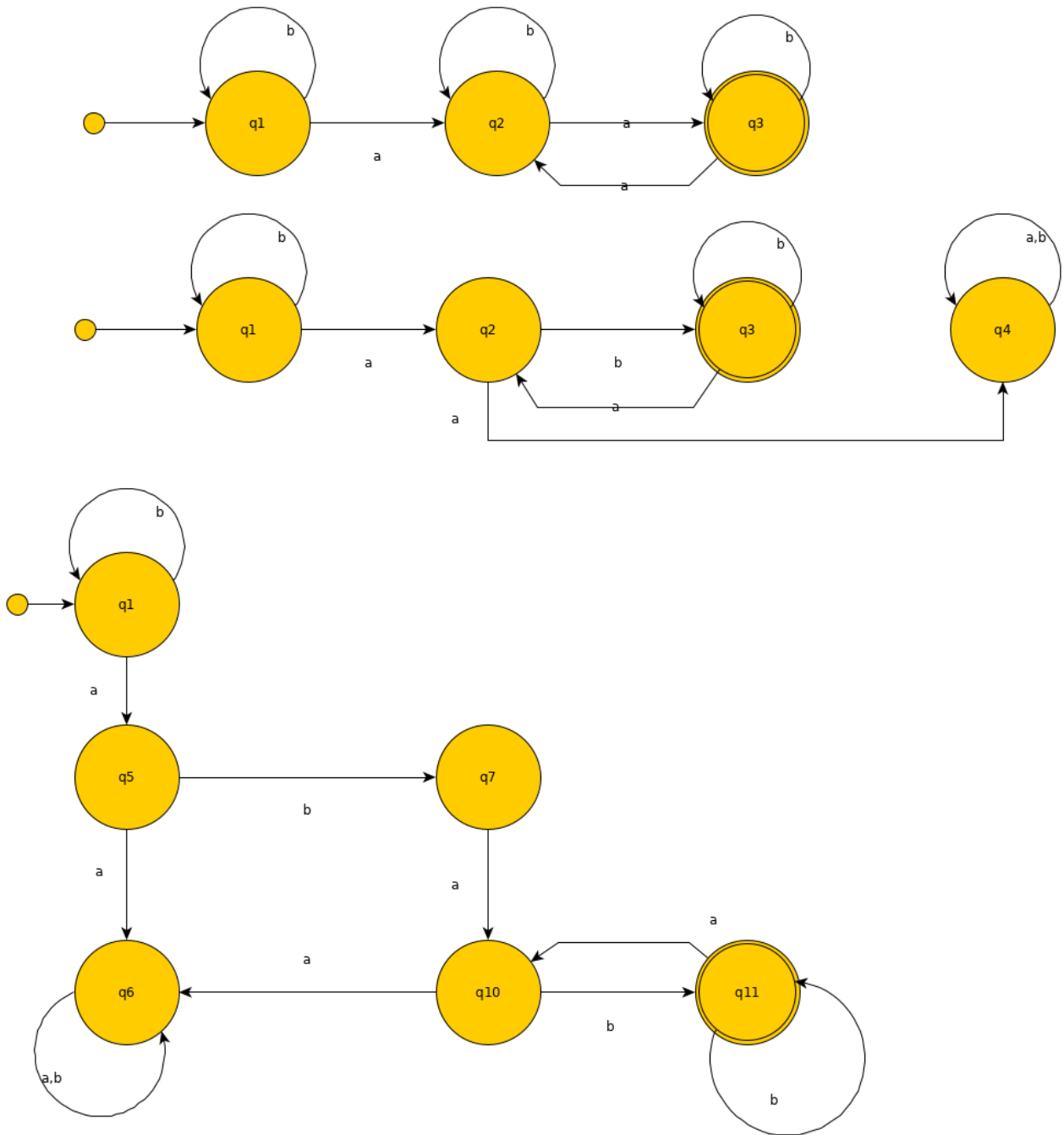
$w \mid w$ exatamente 2 "a" e pelo menos 2 "b"



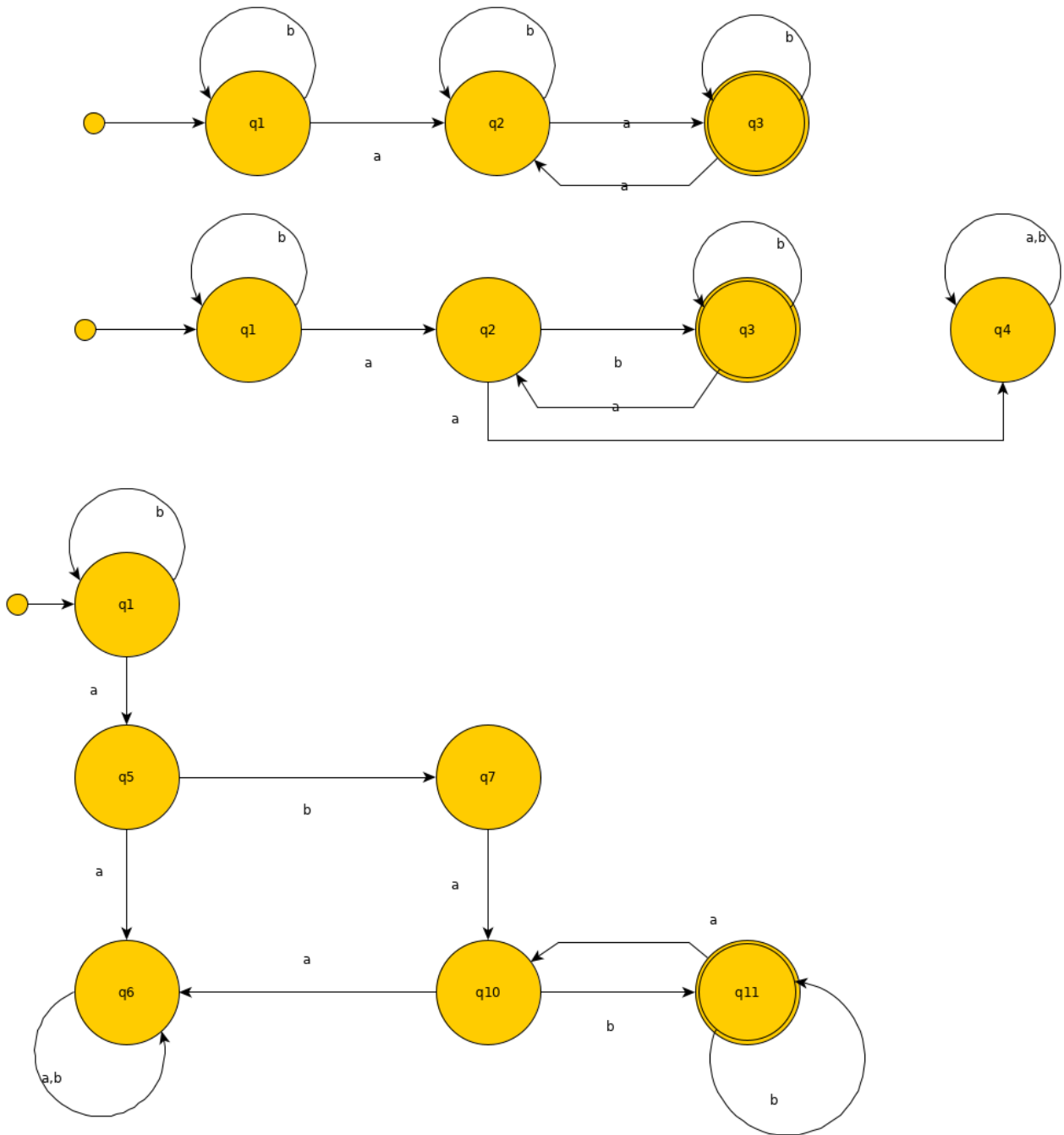
$w \mid w \text{ tem número par de "a" e um ou dois "b"}$



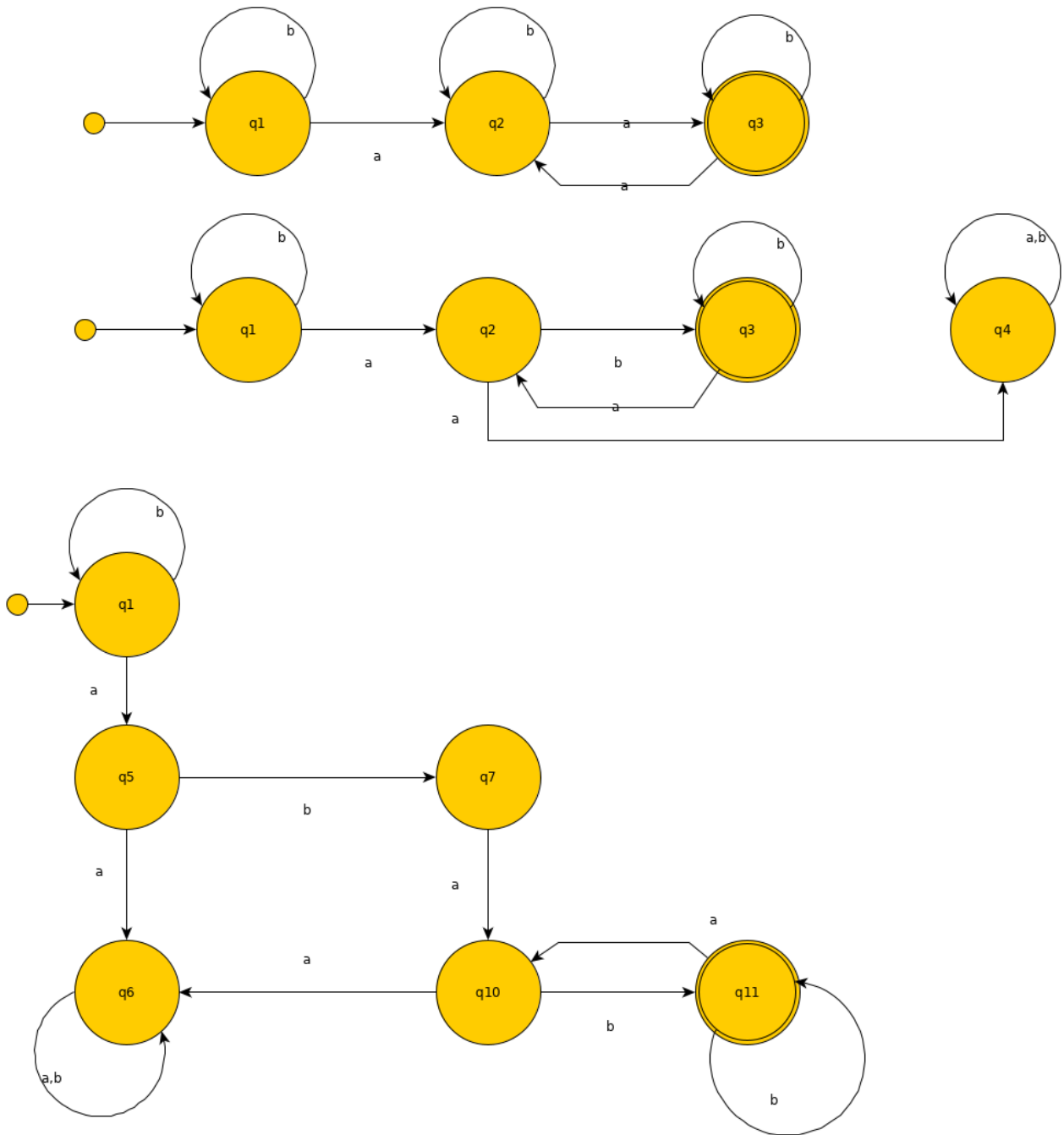
$w \mid w$ tem número par de "a" e cada "a" é seguido de pelo menos 1 "b"



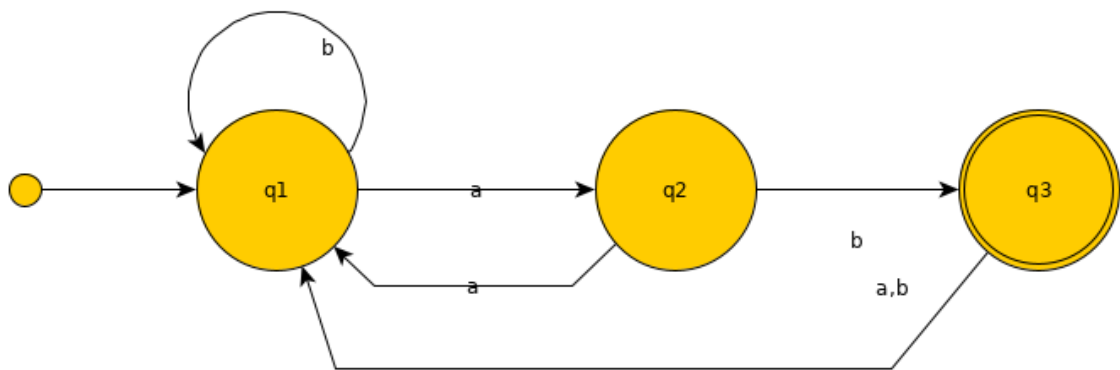
$w \mid w$ tem número par de "a" e cada "a" é seguido de pelo menos 1 "b"



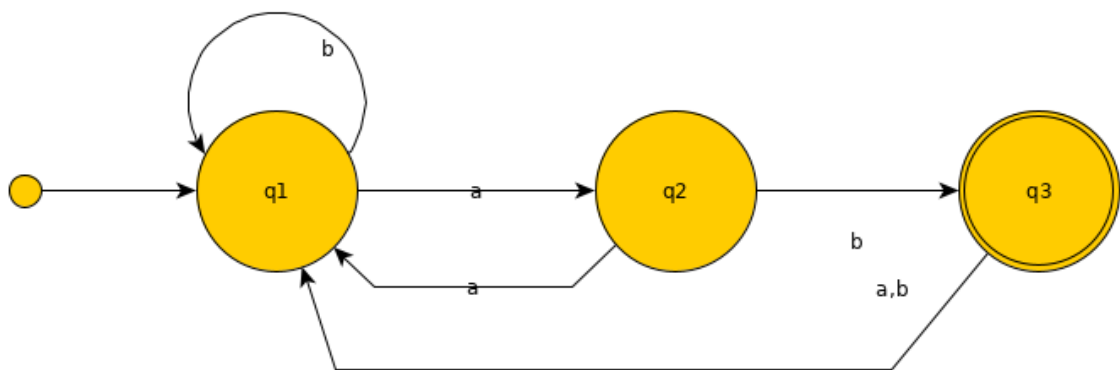
$w \mid w$ tem número par de "a" e cada "a" é seguido de pelo menos 1 "b"



$w \mid w$ tem número ímpar de "a" e termina com 1 "b"

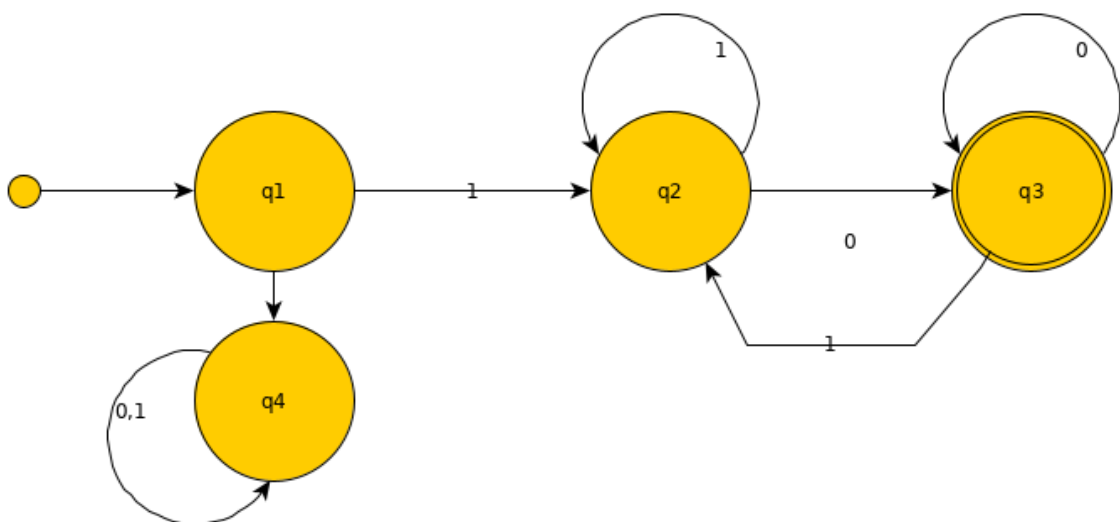


$w \mid w$ tem número ímpar de "a" e termina com 1 "b"

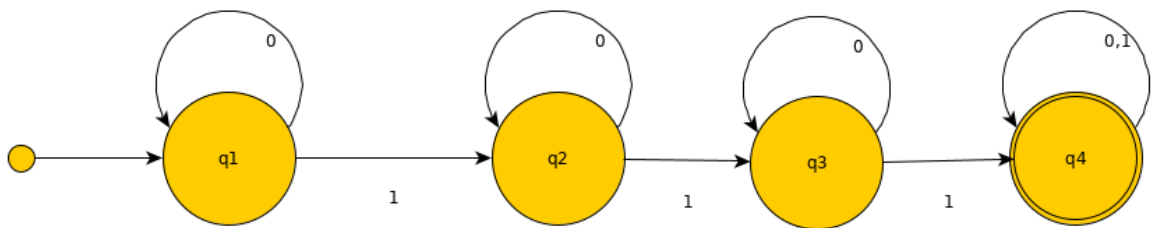


Exercício 1.6

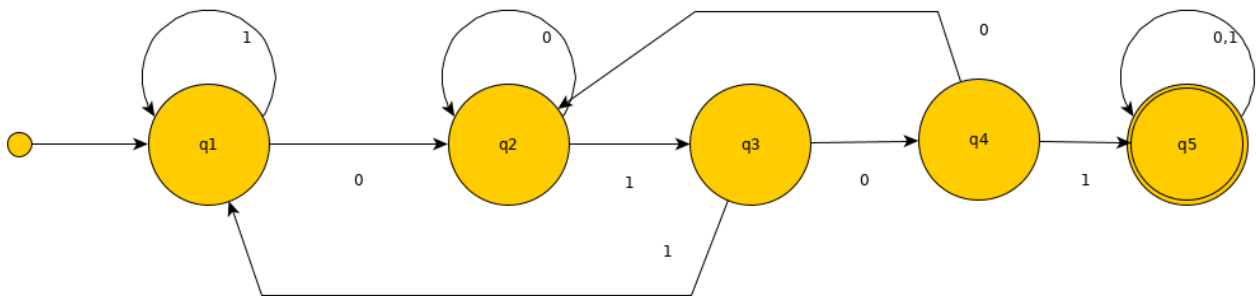
$w \mid w$ começa com 1 e termina com 0



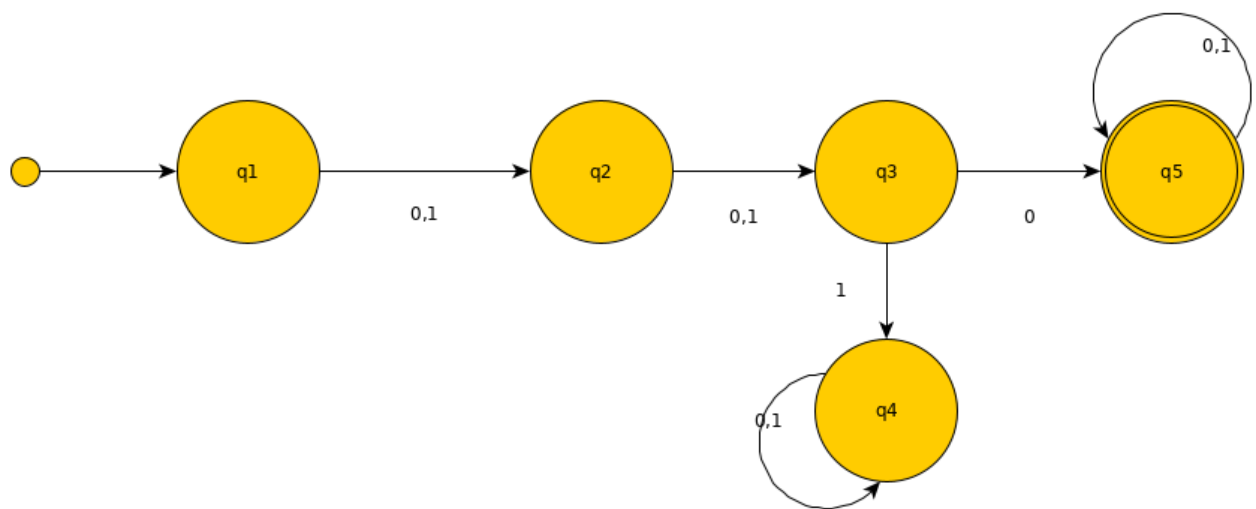
$w \mid w$ contém pelo menos três 1s



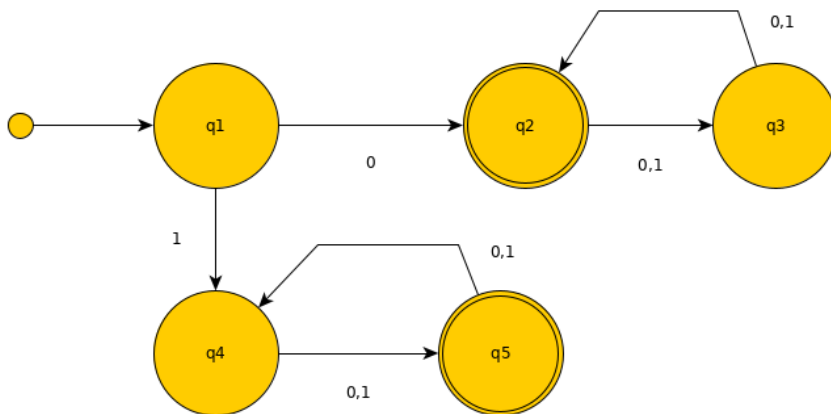
$w \mid w$ contém a subcadeia 0101



$w \mid w$ tem comprimento 3 e seu terceiro símbolo é 0

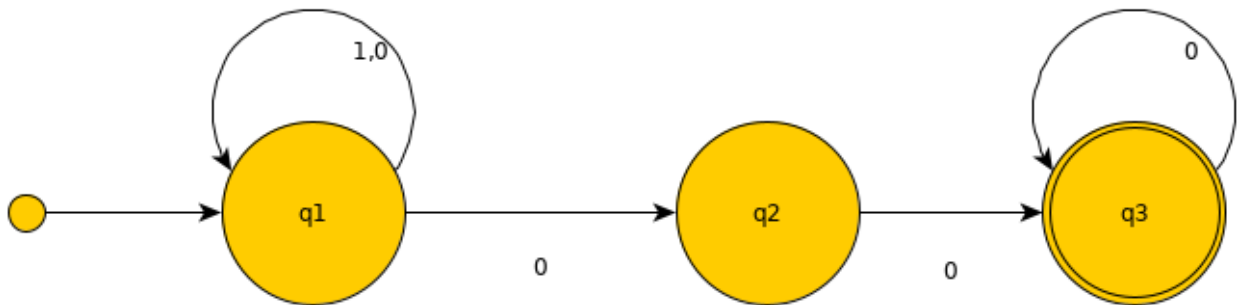


$w \mid w$ começa com 0 e tem comprimento ímpar ou começa com 1 e tem comprimento par

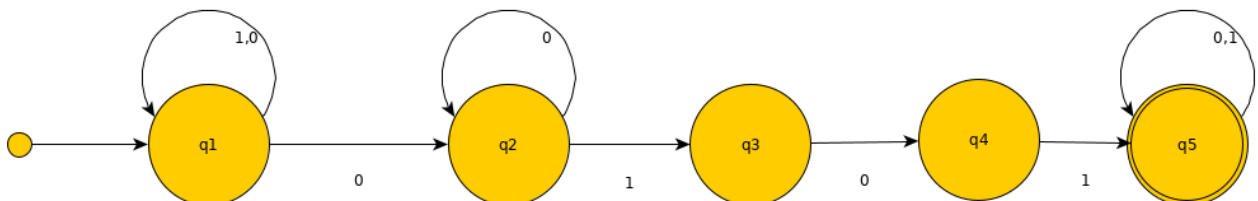


Exercício 1.7

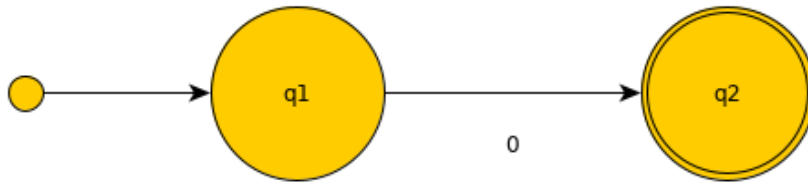
$w \mid w$ termina com 00



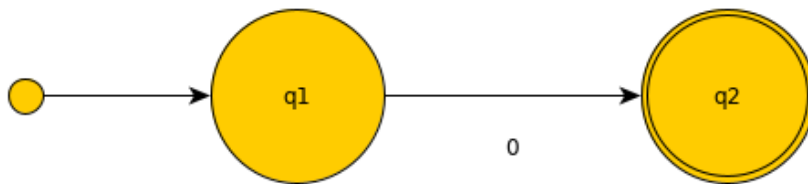
$w \mid w$ contém a subcadeia 0101



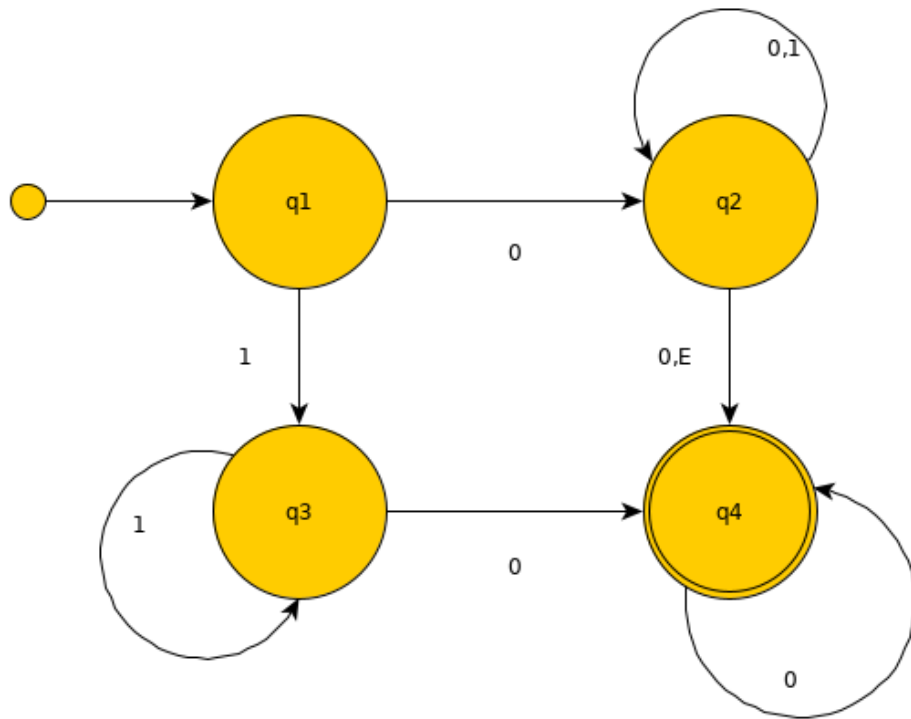
linguagem {0}



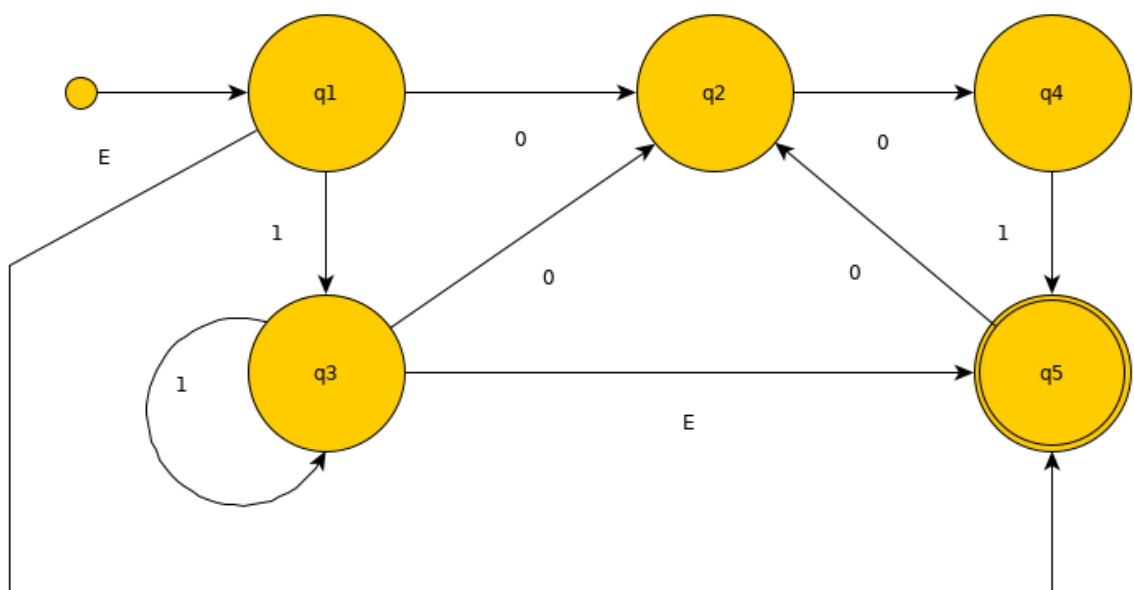
linguagem {0}



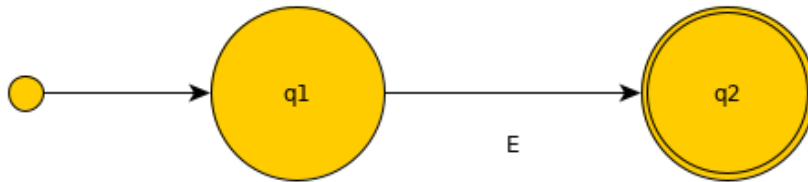
linguagem $0^*1^*0^+$



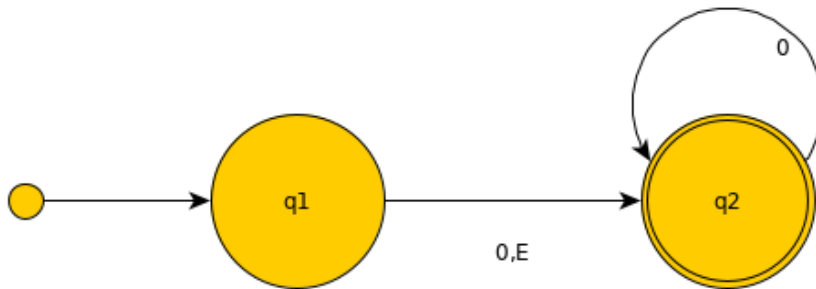
linguagem $1^*(001^+)^*$



linguagem $\{E\}$



linguagem 0^*



Exercício 1.16

