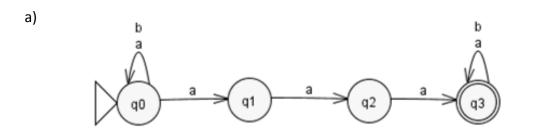
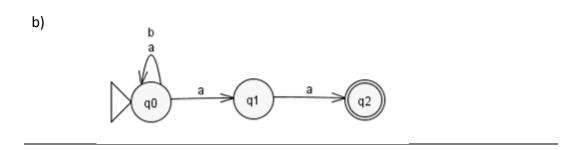
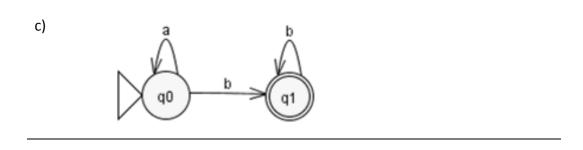
UNIVERSIDADE DO VALE DO ITAJAÍ CURSO DE CIÊNCIA DA COMPUTAÇÃO DISCIPLINA DE LINGUAGENS FORMAIS E AUTÔMATOS PROFESSOR: ALEX LUCIANO ROESLER RESE, MSc.

Lista de Exercícios 5

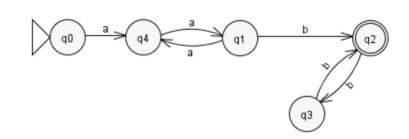
1. Desenvolva as gramáticas regulares a partir dos seguintes autômatos. Alfabeto $\Sigma = \{a, b\}$







d)



2. Dada as gramáticas regulares, desenvolva os autômatos correspondentes.

$$Z \rightarrow z \mid xZ$$

$$S \rightarrow aS \mid bX \mid \epsilon$$

$$X \rightarrow bS$$

$$A\rightarrow 1A \mid 0A \mid \epsilon$$

$$S \rightarrow aA \mid bB \mid \epsilon$$

$$A \rightarrow aS \mid \epsilon$$

$$B \rightarrow bS \mid \epsilon$$

$$B \rightarrow aA \mid b$$

$$A \rightarrow bB \mid \epsilon$$