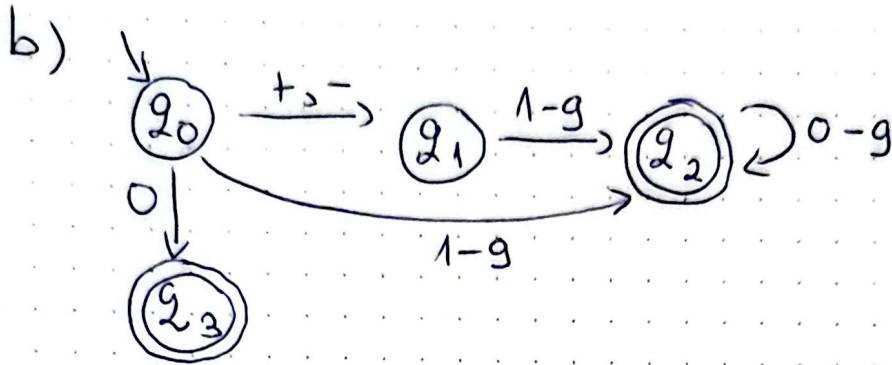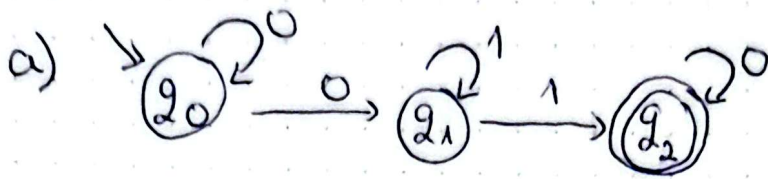# Homework 2

Ex 1: Find the equivalent RG for:

a)

b)

Ex 2: Find the equiv. FA for:

$G = (N, \Sigma, P, S)$ where $N = \{S, B, C\}$, $\Sigma = \{a, b, c\}$

P: $S \rightarrow aB \mid b$

$B \rightarrow bB \mid cC \mid aC$

$C \rightarrow aS \mid c$

Ex 3: Find the equiv. RE for:

$G = (\{S, B, C\}, \{a, b, c\}, P, S)$

P:

$S \rightarrow aB \mid b$

$B \rightarrow bB \mid cC$

$C \rightarrow aC \mid b$