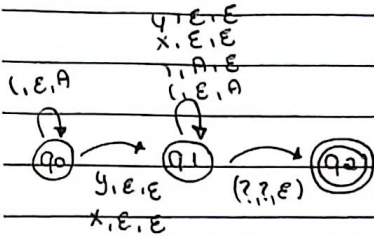
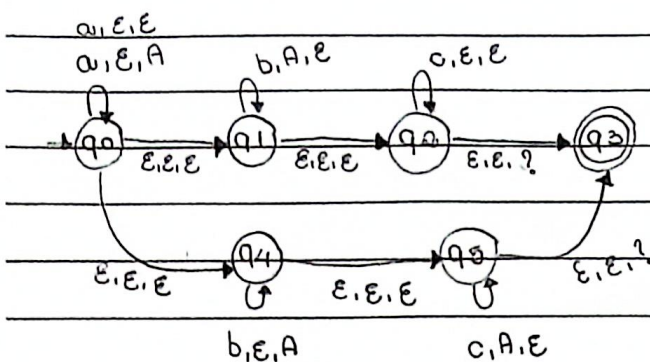


f-) $L_6 = \{ w \mid w \text{ é uma palavra com parênteses balanceados} \}$

$L_6 = \{ \epsilon, xy, x, y, (xy) \}$



g-) $L_7 = \{ a^i b^j c^k \mid i=j \text{ ou } j=k \text{ e } i, j, k \geq 0 \}$



$L = \{ abcc, aabb, aa, bc, \dots \}$

__ / __ / __

S T Q Q S S 7

Exercício 2

- a-) $S \rightarrow aS$ \rightarrow As palavras sempre iniciam com 'a'
 $S \rightarrow aSbS$ \rightarrow Aceita a palavra vazia
 $S \rightarrow \epsilon$ \rightarrow Palavras podem ter um ou mais 'a' ou 'b'
sem ordem definida mas sempre iniciando com a

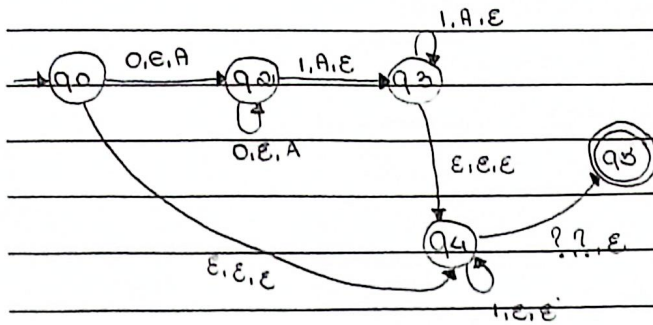
-)

$aS \rightarrow aasbS \rightarrow a^{ou}ba$

Exercício 3

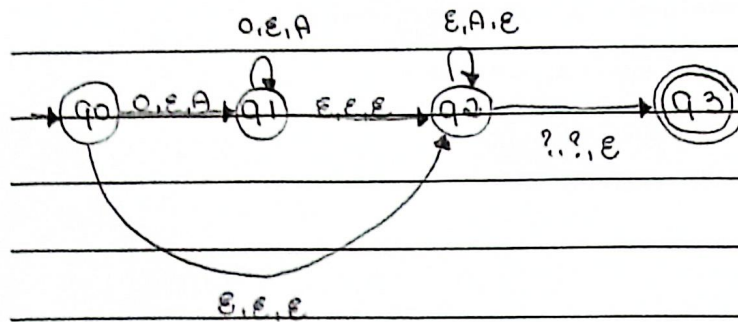
a-) $L_1 = \{0^n 1^m \mid n \leq m\}$

$L_1 = \{\epsilon, 1, 011, 0011, 0111, \dots\}$



b-) $L_2 = \{0^n 1^m \mid n > m\}$

$L_2 = \{\epsilon, 0, 001, 0011, 0111, \dots\}$



___/___/___

c-) $L_3 = \{ 0^n 1^m 0^n \mid n \text{ e } m \text{ são arbitrários} \}$

$L_3 = \{ \epsilon, 00, 010, 0110, 00100, \dots \}$

