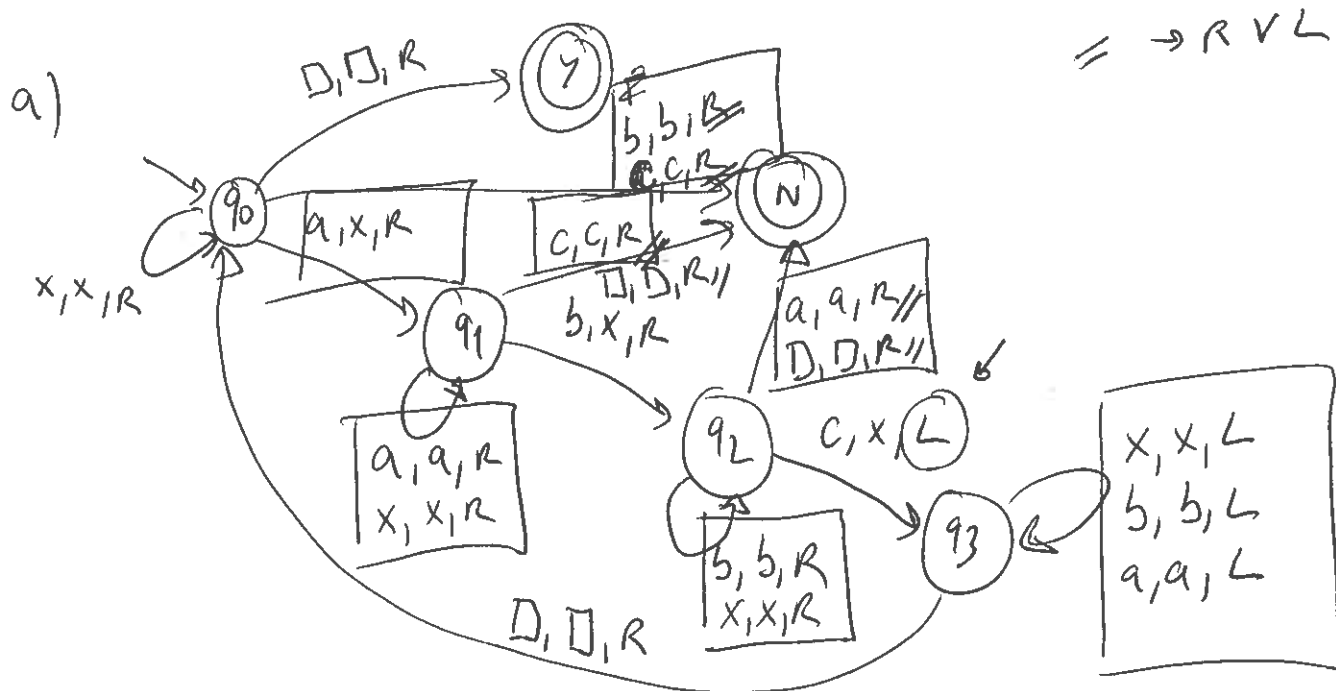


④ c) ASSUMINDO $\Sigma = \{a, b, c\}$, ~~CONSIDERANDO~~ ~~PRO~~ ~~CONSIDERANDO~~ \bar{L} POR y ,
 PODE SER IMPLEMENTADA

b)

$q_0 abc \vdash x q_1 bc \vdash x x q_2 c \vdash x q_3 x x \vdash q_3 x x x$
 $\vdash q_3 \square x x x \vdash q_0 x x x \vdash x q_0 x x \vdash x x q_0 x$
 $\vdash x x x q_0 \square \vdash x x x \square y$



$T = (\{q_0, q_1, q_2, q_3, y, N\}, \{a, b, c, x\}, \delta, \square, \{y, N\})$

$\delta(q_0, \square) = (y, \square, R)$
 $\delta(q_0, x) = (q_1, x, R)$
 $\delta(q_0, a) = (q_1, x, R)$
 $\delta(q_1, c) = (N, c, R)$
 $\delta(q_1, b) = (q_2, x, R)$
 $\delta(q_1, a) = (q_1, a, R)$
 $\delta(q_1, \square) = (N, \square, R)$

~~$\delta(q_1, a) = (q_1, a, R)$~~
 $\delta(q_2, \square) = (q_0, \square, R)$
 $\delta(q_2, b) = (q_2, b, R)$
 $\delta(q_2, a) = (N, a, R)$
 $\delta(q_2, c) = (q_3, x, L)$
 $\delta(q_3, \square) = (q_0, \square, R)$

$\delta(q_3, x) = (q_3, x, L)$
 $\delta(q_3, b) = (q_3, b, L)$
 $\delta(q_3, a) = (q_3, a, L)$