

Fecha: / /

MT - Maquina de Turing

Ejercicio 2

$$Q = \{q_0, q_1, q_2, q_3, q_4, q_5, q_6, q_7, q_8, q_9, q_{10}, q_{11}, \dots, q_{13}\}$$

$$\Sigma = \{0, 1\}$$

$$\Gamma = \{0, 1, X, Y, B\}$$

$(q_0, 0) = (q_1, X, R)$	$(q_0, B) = (q_{10}, B, L)$
$(q_0, 1) = (q_2, Y, R)$	$(q_0, B) = (q_{11}, B, L)$
$(q_0, B) = (q_{14}, B, S)$	$(q_0, B) = (q_{12}, B, L)$
$(q_1, 0) = (q_1, 0, R)$	$(q_1, 0) = (q_9, 0, L)$
$(q_1, 1) = (q_7, 1, R)$	$(q_1, 1) = (q_9, 1, L)$
$(q_1, B) = (q_3, B, R)$	$(q_1, X) = (q_1, 0, L)$
$(q_2, 0) = (q_2, 0, R)$	$(q_2, X) = (q_9, 1, L)$
$(q_2, 1) = (q_2, 1, R)$	$(q_2, B) = (q_{13}, B, R)$
$(q_2, B) = (q_4, B, R)$	$(q_2, 0) = (q_{10}, 0, L)$
$(q_3, 0) = (q_5, X, L)$	$(q_2, 1) = (q_{10}, 1, L)$
$(q_3, 1) = (q_6, Y, L)$	$(q_2, X) = (q_{10}, 1, L)$
$(q_3, B) = (q_{14}, B, S)$	$(q_3, 0) = (q_{10}, 0, L)$
$(q_4, 0) = (q_7, X, L)$	$(q_3, B) = (q_3, B, R)$
$(q_4, 1) = (q_8, Y, L)$	$(q_4, 0) = (q_{11}, B, L)$
$(q_4, B) = (q_{14}, B, S)$	$(q_4, 1) = (q_{11}, 1, L)$
$(q_5, B) = (q_9, B, L)$	$(q_4, X) = (q_{11}, 1, L)$
	$(q_5, Y) = (q_{11}, 0, L)$
	$(q_5, B) = (q_{13}, B, R)$

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$$(q_{12}, 0) = (q_{13}, 0, L)$$

$$(q_{12}, 1) = (q_{13}, 1, L)$$

$$(q_{12}, X) = (q_{13}, 0, L)$$

$$(q_{12}, Y) = (q_{13}, 1, L)$$

$$(q_{12}, B) = (q_{13}, B, R)$$

$$(q_{13}, 0) = (q_{13}, 0, R)$$

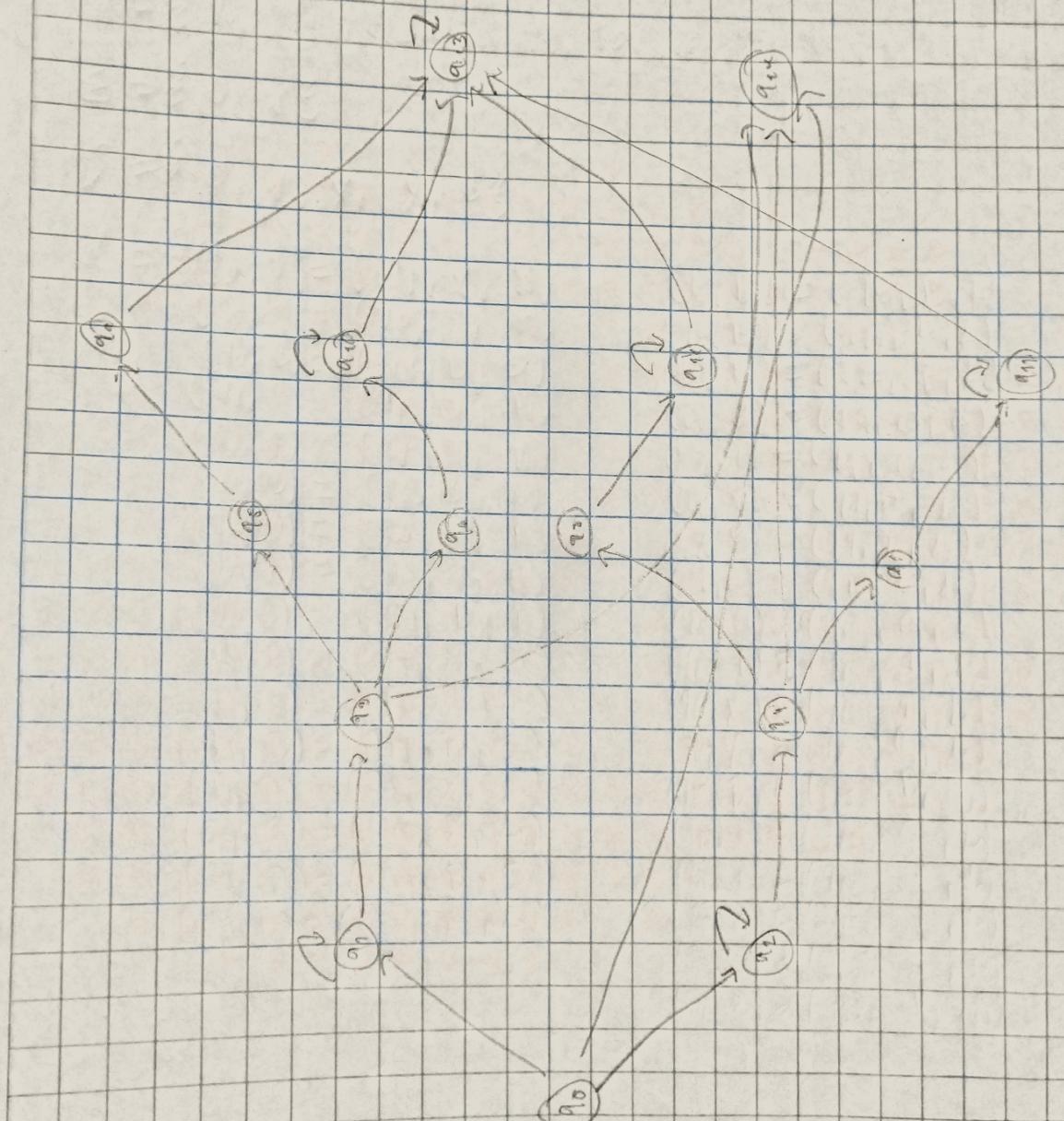
$$(q_{13}, 1) = (q_{13}, 1, R)$$

$$(q_{13}, X) = (q_{13}, 0, R)$$

$$(q_{13}, Y) = (q_{13}, 1, R)$$

$$(q_{13}, B) = (q_{13}, B, R)$$

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