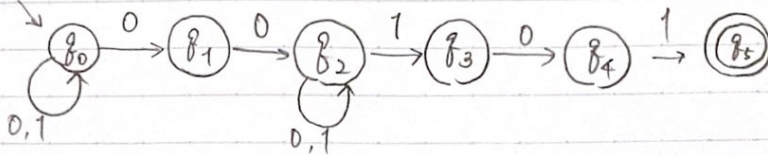


計算理論 第2回ミレポート課題 2-1 09B19025 小林 亮太

$\Sigma = \{0, 1\}$, 00で始まり101で終わるすべての語からなる言語とL

(1)



$$A = \{q_0, q_1, q_2, q_3, q_4, q_5\}, \{0, 1\}, \delta, q_0, \{q_5\}$$

$$\delta: \delta(q_0, 0) = \{q_0, q_1\}, \delta(q_0, 1) = \{q_0\},$$

$$\delta(q_1, 0) = \{q_2\}, \delta(q_1, 1) = \emptyset$$

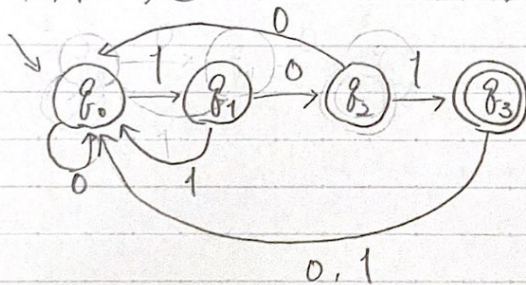
$$\delta(q_2, 0) = \{q_2\}, \delta(q_2, 1) = \{q_2, q_3\}$$

$$\delta(q_3, 0) = \{q_4\}, \delta(q_3, 1) = \emptyset$$

$$\delta(q_4, 0) = \emptyset, \delta(q_4, 1) = \{q_5\}$$

$$\delta(q_5, 0) = \emptyset, \delta(q_5, 1) = \emptyset$$

(2) 初期状態 $q_0 = 00$ と定める.



$$A = \{q_0, q_1, q_2, q_3\}, \{0, 1\}, \delta, q_0, \{q_3\}$$

$$\delta: \delta(q_0, 0) = q_0, \delta(q_0, 1) = q_1$$

$$\delta(q_1, 0) = q_2, \delta(q_1, 1) = q_0$$

$$\delta(q_2, 0) = q_0, \delta(q_2, 1) = q_3$$

$$\delta(q_3, 0) = q_0, \delta(q_3, 1) = q_0$$