Ferza Reyaldi 09021281924060

Teori Bahasa 1 Otomata 4REGA

Tugas - Non Deterministic Automata

$$\underbrace{\begin{array}{c} Q^{0,1} \\ \text{start} \\ Q_0 \end{array} \xrightarrow{Q} \underbrace{\begin{array}{c} Q_1 \\ Q_1 \end{array} \xrightarrow{1} \underbrace{\begin{array}{c} Q_2 \\ Q_2 \end{array}}$$

$$Q = \{q_0, q_1, q_2\}$$

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

Stant state = 90

F = {924

Tabel transisi			Symbols
	8	0	1
	790	490,914	6903
5	91	Ø	6923
States	*92	Ø	Ø

190,923 ∩ 1923 = 1923.

Karena terdapat salah satu jalur sampai di final state, maka 1101 EL.

$$\hat{\mathcal{S}}(q_0, 1010) = \mathcal{S}(q_0, 0) \cup \mathcal{S}(q_2, 0) = \{q_0, q_1\} \cup \emptyset = \{q_0, q_1\}$$

w = 1010 tidak diterima oleh bahasa L.

W=001001 diterima oleh bahasa L.

