

Autómata

$$\delta(q_0, 1, A) = \{(q_0, 1A)\}$$

$$\delta(q_0, 1, 1) = \{(q_0, 11)\}$$

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

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

$$\delta(q_1, \lambda, A) = \{(q_1, \lambda)\}$$

Gramática

$$S \rightarrow [q_0 A q_0] | [q_0 A q_1] \quad [q_0 1 q_0] \rightarrow 1 [q_0 1 q_1] [q_1 1 q_0]$$

$$[q_0 A q_0] \rightarrow 1 [q_0 1 q_0] [q_0 A q_0] \quad [q_0 1 q_1] \rightarrow 1 [q_0 1 q_0] [q_0 1 q_1]$$

$$[q_0 A q_0] \rightarrow 1 [q_0 1 q_1] [q_1 A q_0] \quad [q_0 1 q_1] \rightarrow 1 [q_0 1 q_1] [q_1 1 q_1]$$

$$[q_0 A q_1] \rightarrow 1 [q_0 1 q_0] [q_0 A q_1] \quad [q_0 1 q_1] \rightarrow 0$$

$$[q_0 A q_1] \rightarrow 1 [q_0 1 q_1] [q_1 A q_1] \quad [q_1 1 q_1] \rightarrow 0$$

$$[q_0 1 q_0] \rightarrow 1 [q_0 1 q_0] [q_0 1 q_0] \quad [q_1 A q_1] \rightarrow \lambda$$