

Lista de Exercícios 01 - Autômatos Finitos Determinísticos (AFDs)

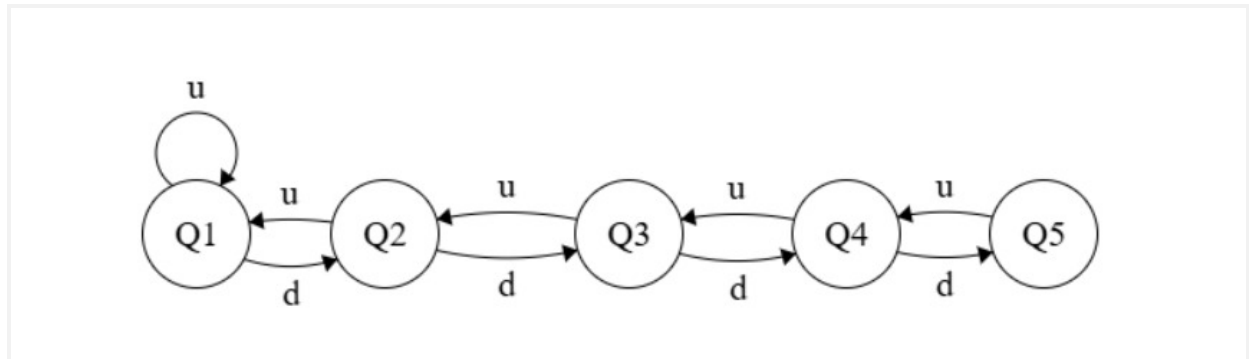
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Exercício 01:



Exercício 02:

$$\begin{aligned}\delta(q_0, aabbab) &= \delta(\delta(q_0, aabba), b) \\ &= \delta(\delta(\delta(q_0, aabb), a), b) \\ &= \delta(\delta(\delta(\delta(q_0, aab), b), a), b) \\ &= \delta(\delta(\delta(\delta(\delta(q_0, aa), b), b), a), b) \\ &= \delta(\delta(\delta(\delta(\delta(q_0, a), a), b), b), a), b) \\ &= \begin{array}{cccccc} & a & a & b & b & a & b \\ q_0(\text{início}) & \rightarrow & q_0 & \rightarrow & q_0 & \rightarrow & q_1 & \rightarrow & q_1 & \rightarrow & q_0 & \rightarrow & q_1 \\ & F = \{q_1\} \end{array}\end{aligned}$$

Exercício 03:

