Ciências / Ciência da computação / Introduction to the Theory of Computation (3rd Edition)

Exercício 15

Capítulo 1, Página 85

Introduction to the Theory of Computation

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Solução   ✔ **Certificado**

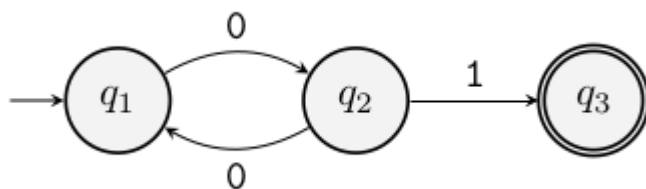**Passo 1**   1 de 5

This construction differs from the one in proof of $\textbf{Theorem 1.49}$ only by the fact that here we do not add extra state, but instead point ε transitions from accept states directly to initial state (which we also pronounce to be accepting state). The NFA which proves that this construction does not produce the star of language is given below.

Passo 2   2 de 5

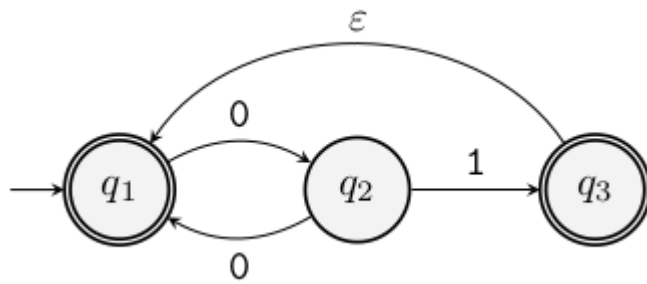**Passo 3**   3 de 5

Language of this NFA is $0(00)^*1$, so its star can not contain string 00, but this string is accepted by newly constructed machine.

Passo 4   4 de 5

Resultado   5 de 5

We present a simple counterexample.

Avaliar esta solução

‹ **Exercício 14**   ☆ ☆ ☆ ☆ ☆   **Exercício 16** ›

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