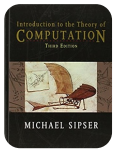
Exercício 4

Capítulo 5, Página 239



Introduction to the Theory of Computation

ISBN: 9781133187790

Índice

Solução Certificado

Passo 1 1 de 2

We will show that A does not have to be a regular language.

Let's have $A = \{0^n 1^n | n \geq 0\}$. We know that this is not a regular language, so if we have a function f such that $f(s) = 0$ if $s \in A$ and $f(s) = 1$ if $s \notin A$, we have $f(A) = \{0\} = B$ which is a regular language.

Therefore, if $A \leq_m B$ and B is regular, it does not imply that A must be regular as well.

Resultado 2 de 2

A does not have to be a regular language.

Exercício 3

Avaliar esta solução

Exercício 5