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Exercício 9

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Introduction to the Theory of Computation

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Solução 🕏 Certificado

Passo 1 1 de 2

This language is union of two simpler languages, so we introduce variables S_1 and S_2 which generate these languages. They themselves are simple. Grammar is:

$$S o S_1 \mid S_2$$

$$S_1 o T_1 C$$

$$T_1 o \mathtt{a} T_1 \mathtt{b} \mid arepsilon$$

$$C o \mathtt{c} C\mid arepsilon$$

$$S_1 o AT_2$$

$$T_2 o \mathtt{b} T_2 \mathtt{c} \mid arepsilon$$

$$A o \mathtt{a} A \mid arepsilon.$$

This grammar is certainly ambiguous: for string \$\texttt{abc}\$ tl

Resultado 2 de 2

We write grammar as union of two simpler grammars, which turns out to be ambiguous, as we show by example.

Avaliar esta solução

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