

CS-C2160 - Theory of Computation, Lecture, 11.1.2022-11.4.2022

This course space end date is set to 16.12.2022

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5. Compulsory problem set: Context-free grammars

« 5.4 Grammar for a language

Course overview

Exercise description

My submissions **3 / 50**

Points 1/1

Your task was to give a context-free grammar describing the language
 $L = \{w \in \{a,b\}^* \mid w \text{ is of the form } a^n x b^{n+2}, \text{ where } x \text{ is any string of length 3 in } \{a,b\}^*\}.$

Your solution is:

A -> aAb | Xbb
X -> aaa | aab | aba | abb | baa | bab | bba | bbb

Your solution passed all the tests and is thus probably correct.

5.6 Showing that a grammar is ambiguous »

Earned points

1 / 1

Exercise info

Exercise category

Compulsory exercises

Your submissions

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Points required to pass

1

Deadline

Sat, 31 Dec 2022 23:59:00 +0200

Total number of submitters

154

Submission info

Submitted on

Wed, 09 Feb 2022 14:50:57 +0200

Status

Ready

Grade

1 / 1

Submitters

Nguyen Binh (887799)

« 5.4 Grammar for a language

Course overview

5.6 Showing that a grammar is ambiguous »

Previous activity

« 4. Compulsory problem set: Regular expressions

Next activity

6. Voluntary problem set: Some small brain teasers »

A!

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