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

This course space end date is set to 16.12.2022   **Search Courses: CS-C2160**

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Course feedback   Syllabus

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5. Compulsory problem set: Context-free grammars

« 5.4 Grammar for a language   Course overview   5.6 Showing that a grammar is ambiguous »

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.

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 ►

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