



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

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Course feedback

Syllabus

9. Voluntary problem set: Context-free grammars

These problems are completely **voluntary** (no bonus points given, either) that one may solve, for instance, before the exam to practise the constructions.

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Exercise description

My submissions **1 / 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:

S -> UB
B -> bb
U -> aUb | X
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
Voluntary exercises

Your submissions
1 / 50

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

Total number of submitters
11

Submission info

Submitted on
Thu, 10 Feb 2022 15:54:20 +0200

Status
Ready

Grade
1 / 1

Submitters
Nguyen Binh (887799)

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Previous activity

◀ 8. Voluntary problem set: Regular expressions

Next activity

Earlier lecture slides (2021) ▶



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