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

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.

« 9.7 Chomsky normal form for a grammar

Course overview

| Exercise description | My submissions **8 / 50** ⌄ |

Points 1/1

Your task was to give a context-free grammar *in Chomsky normal-form* (CNF) describing the same language as the grammar

```
S -> abSab | A
A -> aA | ε
```

Your solution is:

```
S -> MC | CC | XA | a |  _
D -> MC | CC | XA | a
C -> XB
X -> a
M -> CD
B -> b
A -> XA | a
```

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

Earned points

1 / 1

Exercise info

Exercise category
Voluntary exercises

Your submissions
8 / 50

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

Total number of submitters
13

Submission info

Submitted on
Wed, 02 Mar 2022 18:31:33 +0200

Status
Ready

Grade
1 / 1

Submitters
Nguyen Binh (887799)

« 9.7 Chomsky normal form for a grammar

Course overview

Previous activity

◄ 8. Voluntary problem set: Regular expressions

Next activity

Earlier lecture slides (2021) ►

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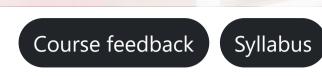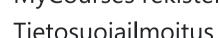- Privacy notice
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Nguyen Binh (Log out)