



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

5. Compulsory problem set: Context-free grammars

« 5.6 Showing that a grammar is ambiguous

Course overview

6. Voluntary problem set: Some small brain teasers »

Exercise description My submissions **6 / 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 -> Tbb
T -> aTb | V
V -> aU | bU
U -> aW | bW
W -> a | b
```

Your solution is:

```
S -> TD
D -> BB
T -> AR | AU | BU
R -> TB
U -> AW | BW
W -> a | b
A -> a
B -> b
```

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

Earned points

1 / 1



Exercise info

Exercise category
Compulsory exercises

Your submissions
6 / 50

Points required to pass
1

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

Total number of submitters
153

Submission info

Submitted on
Wed, 09 Feb 2022 16:44:49 +0200

Status
Ready

Grade
1 / 1

Submitters
Nguyen Binh (887799)

« 5.6 Showing that a grammar is ambiguous

Course overview

6. Voluntary problem set: Some small brain teasers »

Previous activity

◀ 4. Compulsory problem set: Regular expressions

Next activity

6. Voluntary problem set: Some small brain teasers ▶



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