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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5. Compulsory problem set: Context-free grammars

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Exercise description | My submissions **1 / 50** ⌄

Showing that a grammar is ambiguous

Consider the context-free grammar:

```
S -> TC | AU
T -> aTb | ab
C -> cC | c
A -> aA | a
U -> bUc | bc
```

Show that the grammar is ambiguous by giving two *different* parse trees for some word w produced by the grammar (you have to figure out a suitable word by yourself as well).

Give your answer here. Click on parse tree nodes to expand and collapse them.

Parse tree 1:

S

Parse tree 2:

S

Submit!

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

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Previous activity
◄ 4. Compulsory problem set: Regular expressions

Next activity
6. Voluntary problem set: Some small brain teasers ►

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