



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

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## 5. Compulsory problem set: Context-free grammars

« 5.1 Parse tree for a word in a grammar

Course overview

5.3 Grammar for a language »

Exercise description

My submissions **1 / 50** ▾

### Parse tree for a word in a grammar

Consider the context-free grammar:

S → abSab | A

A → aA | ε

Give a parse tree for the word "ε" produced by the grammar.

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

S

Submit!

Earned points

**1 / 1**

Exercise info

Exercise category

Compulsory exercises

Your submissions

1 / 50

Points required to pass

1

Deadline

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

Total number of submitters

155

« 5.1 Parse tree for a word in a grammar

Course overview

5.3 Grammar for a language »

#### Previous activity

◀ 4. Compulsory problem set: Regular expressions

#### Next activity

6. Voluntary problem set: Some small brain teasers ▶



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