



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

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Syllabus

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

[« 5.5 Grammar for a language](#)

[Course overview](#)

Exercise description

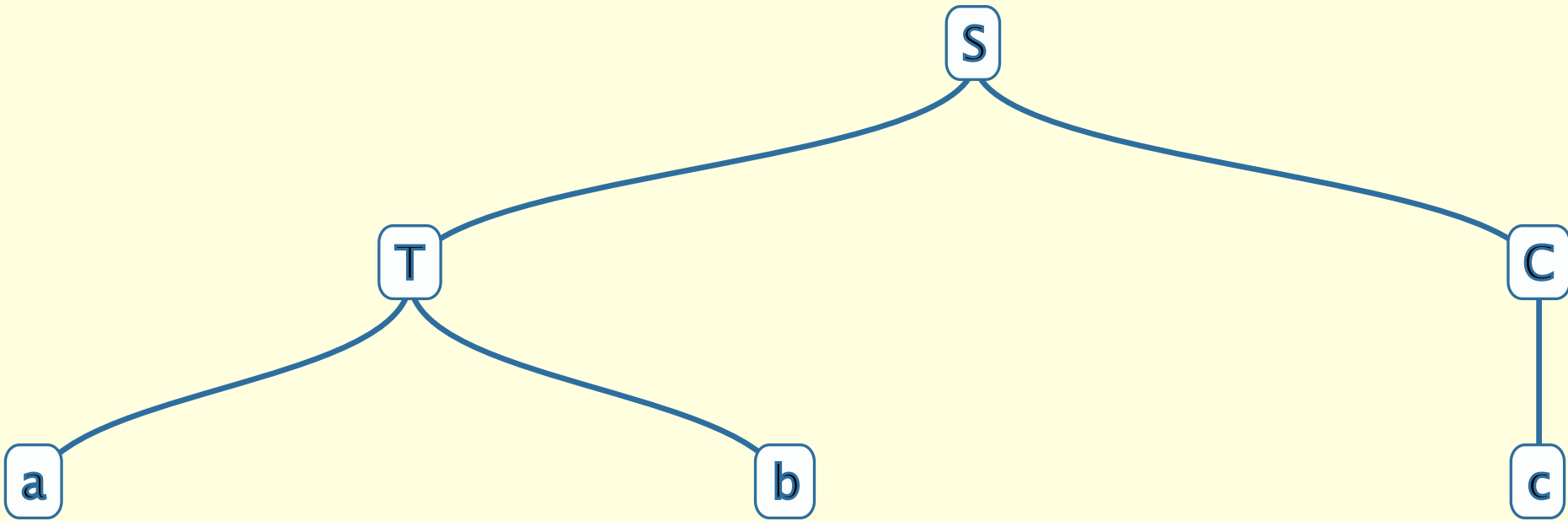
My submissions **1 / 50** ▾

Points **1/1**

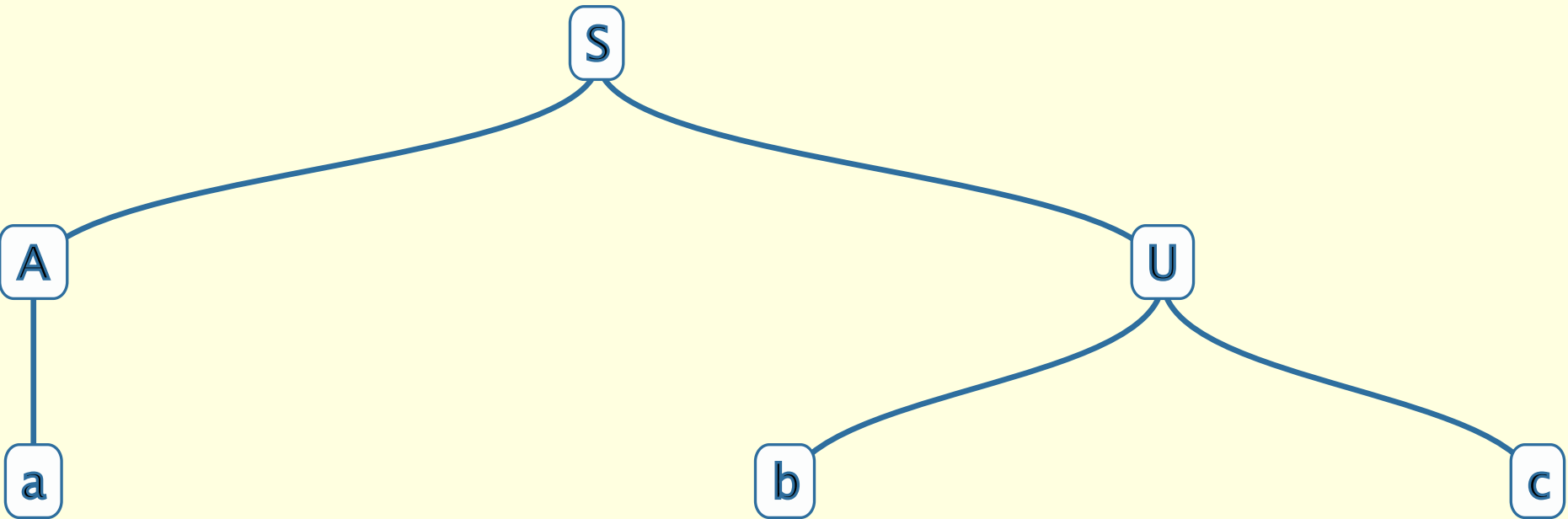
Your task was to give two different parse trees for some word produced by the grammar

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

Your solution is:



and



The solution is correct.

[« 5.5 Grammar for a language](#)

[Course overview](#)

[5.7 Chomsky normal form for a grammar »](#)

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**  
154

### Submission info

**Submitted on**  
Wed, 09 Feb 2022 15:24:43 +0200

**Status**  
**Ready**

**Grade**  
1 / 1

**Submitters**  
Nguyen Binh (887799)

#### Previous activity

[◀ 4. Compulsory problem set: Regular expressions](#)

#### Next activity

[6. Voluntary problem set: Some small brain teasers ▶](#)



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