

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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Astra exercises

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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.

« 9.5 Showing that a grammar is ambiguous

[Course overview](#)

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

Exercise description

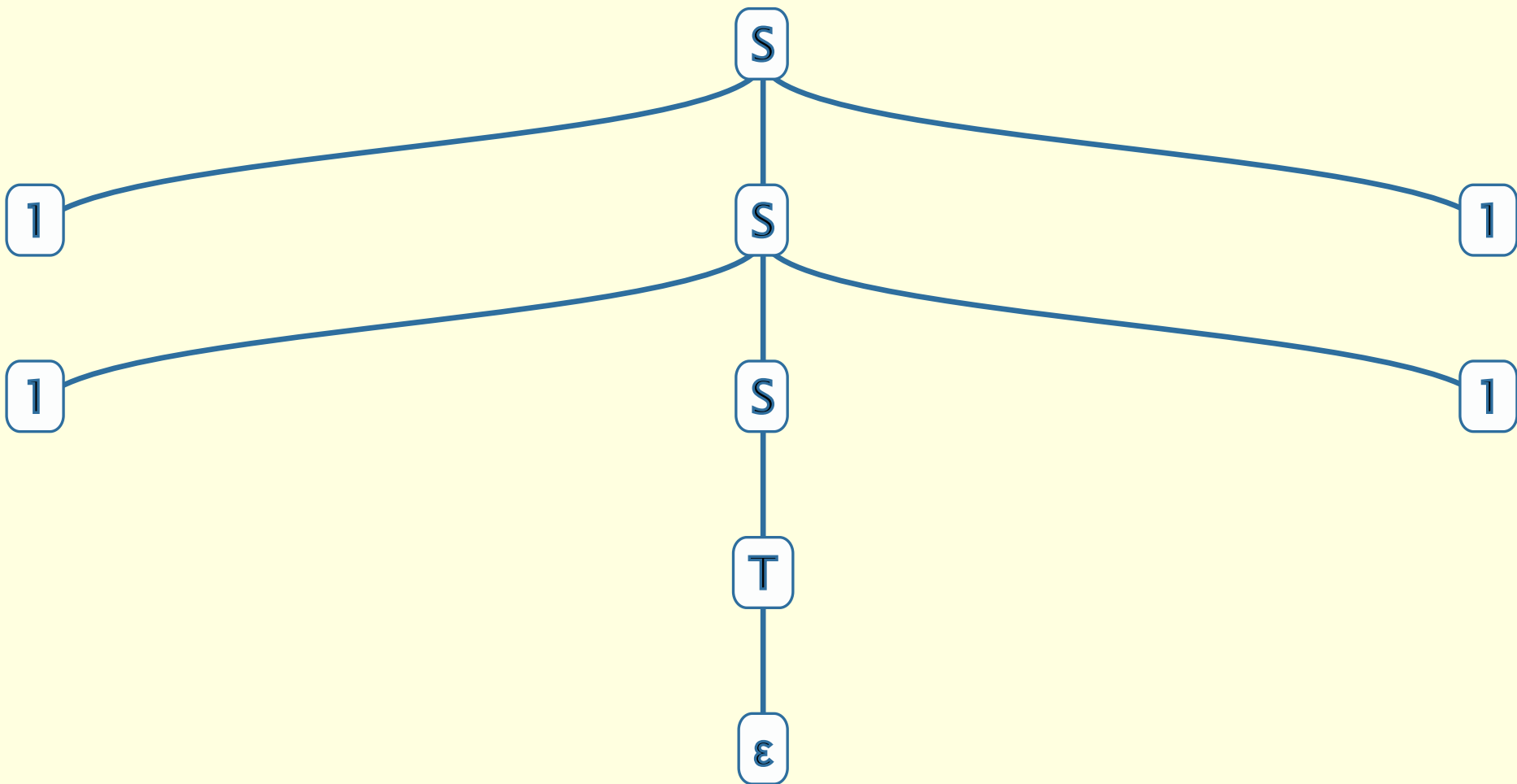
My submissions **6 / 50** ▾

Points **1/1**

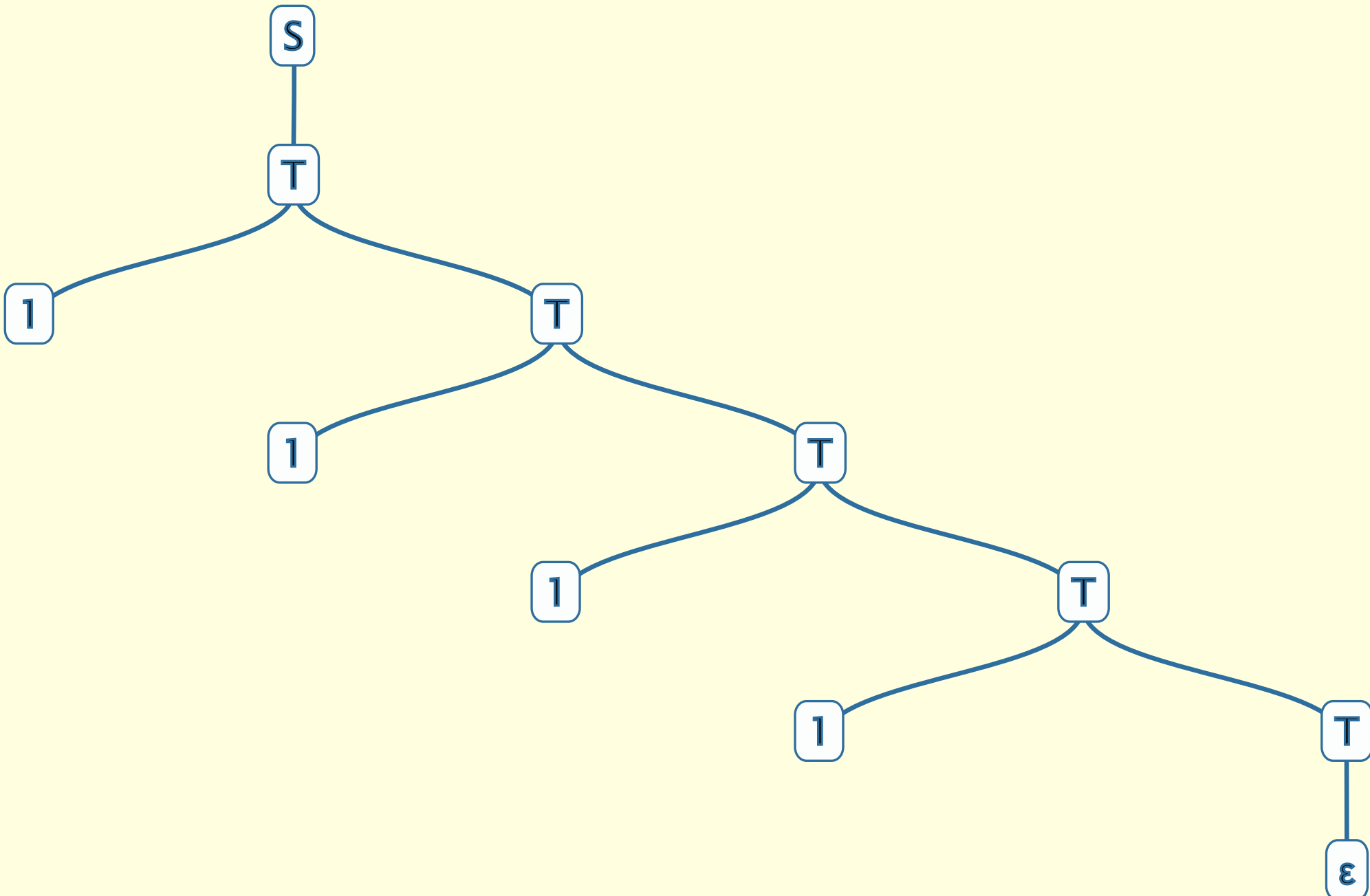
Your task was to give two different parse trees for some word produced by the grammar

```
S -> 0S0 | 1S1 | T
T -> ε | 1T
```

Your solution is:



and



The solution is correct.

« 9.5 Showing that a grammar is ambiguous

[Course overview](#)

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

Earned points

1 / 1



Exercise info

Exercise category

Voluntary exercises

Your submissions

6 / 50

Deadline

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

Total number of submitters

10

Submission info

Submitted on

Thu, 10 Feb 2022 16:09:20 +0200

Status

Ready

Grade

1 / 1

Submitters

Nguyen Binh (887799)

Previous activity

◀ 8. Voluntary problem set: Regular expressions

Next activity

Earlier lecture slides (2021) ▶



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