This course space end date is set to 16.12.2022 **Search Courses: CS-C2160**

Course feedback

Astra exercises

9.7 Chomsky normal form for a grammar »



Resources

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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

My submissions 6 / 50 ~

Course overview

1/1

Earned points

Exercise info

Exercise category

Voluntary exercises

Your submissions

6 / 50

Deadline

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

Total number of submitters

10

Exercise description

Showing that a grammar is ambiguous

Consider the context-free grammar:

S -> 0S0 | 1S1 | T T -> ε | 1T

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:

A?

S

Parse tree 2:

S

Submit!

« 9.5 Showing that a grammar is ambiguous

Course overview

9.7 Chomsky normal form for a grammar »

Previous activity

■ 8. Voluntary problem set: Regular expressions

Next activity

Earlier lecture slides (2021) ►

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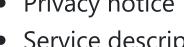
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