Astra exercises

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

A?

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Syllabus Course feedback

Resources

6. Voluntary problem set: Some small brain teasers

These problems are completely voluntary (no bonus points given, either) that may require more time to solve. Try with your own responsibility.

« 6.1 DFA for a language Course overview Exercise description My submissions 9 / 50 v **Grammar for a language** Consider the language $L=\{xcy\in\{a,b,c\}^*\mid x,y\in\{a,b\}^* ext{ and } x
eq y\}.$ Give a context-free grammar that generates the language. Enter the grammar in the space below, one production on each line. Use this syntax: • production: variable -> string1 | string2 ... | stringn variables: capital letters A,B,...,Z • terminals: lower case letters a,b,...,z and numbers 0,1,...,9 • empty string: _ (the underscore symbol) • start symbol: the first variable in the grammar For instance, the grammar A -> aAa | B B -> bB | generates the language $\{a^nb^ka^n\mid n\geq 0 \text{ and } k\geq 0\}.$

6.3 Grammar for a language »

Earned points

0/1

Exercise info

Exercise category

Voluntary exercises

Your submissions 9 / 50

Deadline

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

Total number of submitters



« 6.1 DFA for a language 6.3 Grammar for a language » Course overview

Previous activity

■ 5. Compulsory problem set: Context-free grammars

Next activity

7. Voluntary problem set: Finite automata

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