

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

2. Compulsory problem set: Deterministic finite automata

« 2.2 Designing a DFA for a language

Course overview

2.4 Minimising a DFA »

Exercise description

My submissions **1 / 50** ▾

Designing a DFA for a language

Consider the language $L = \{w \in \{0, 1\}^* \mid w \text{ starts with } 0 \text{ and has even length, or starts with } 1 \text{ and has odd length}\}$.

Design a deterministic finite automaton (DFA) that recognises the language.

Reset

Deterministic:
yes

- Click on the canvas to add new states.
- You can also move existing states by dragging them.
- Click on transition labels to edit them.

Submit!

Earned points

1 / 1

Exercise info

Exercise category

Compulsory exercises

Your submissions

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Points required to pass

1

Deadline

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

Total number of submitters

166

« 2.2 Designing a DFA for a language

Course overview

2.4 Minimising a DFA »

Previous activity

◀ 1. Compulsory problem set: Basics on languages

Next activity

3. Compulsory problem set: Non-deterministic finite automata ▶



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