Astra exercises

Earned points

Exercise info

Exercise category

Your submissions

1 / 50

Deadline

166

Compulsory exercises

Points required to pass

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

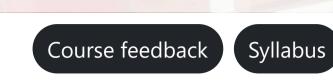
Total number of submitters

Resources

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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2.4 Minimising a DFA »

2. Compulsory problem set: Deterministic finite automata

« 2.2 Designing a DFA for a language

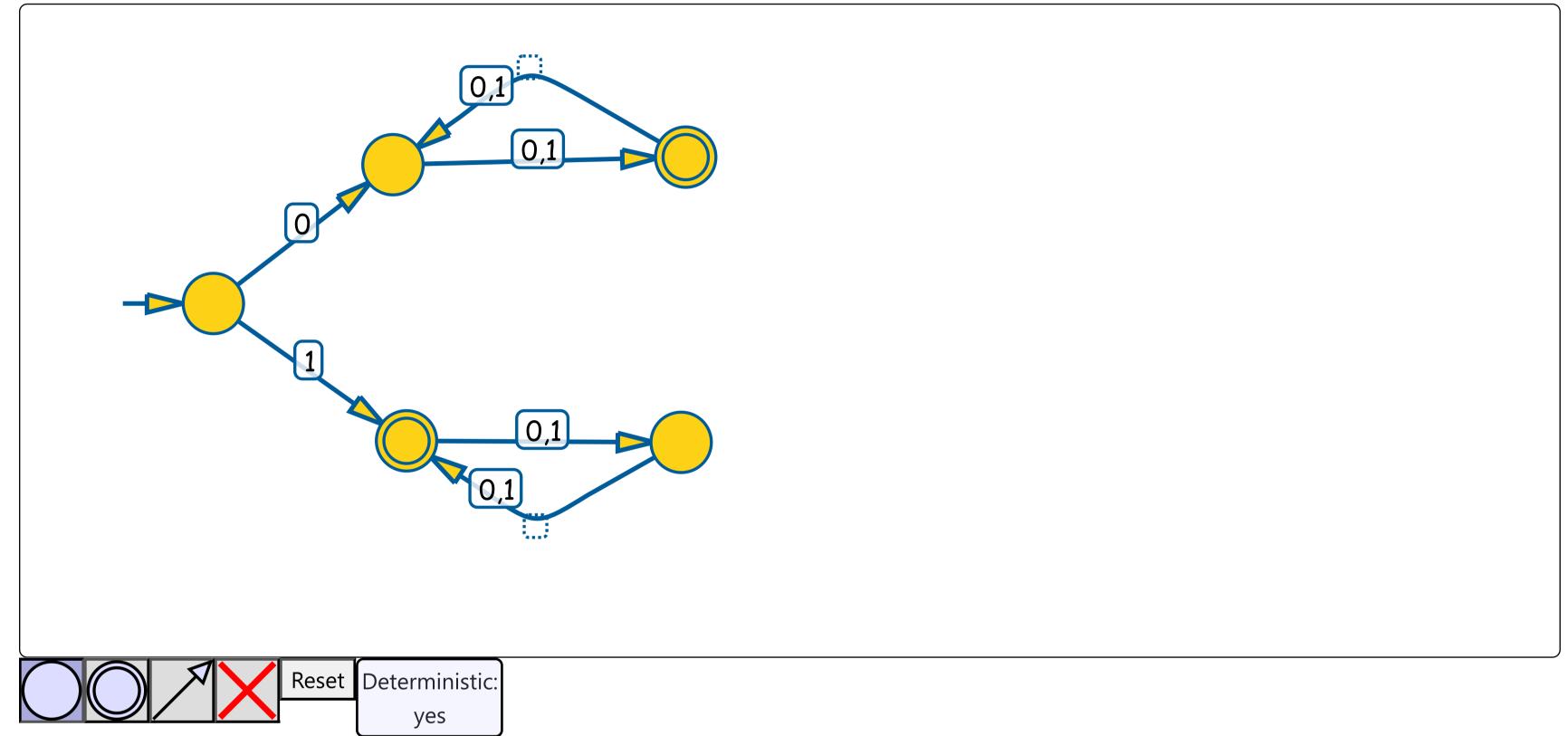
Α?

My submissions 1 / 50 ~ Exercise description

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.



• Click on the canvas to add new states.

■ 1. Compulsory problem set: Basics on languages

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

Submit!

« 2.2 Designing a DFA for a language

Previous activity

Course overview

Course overview

2.4 Minimising a DFA »

Next activity

3. Compulsory problem set: Non-deterministic finite automata



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