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**

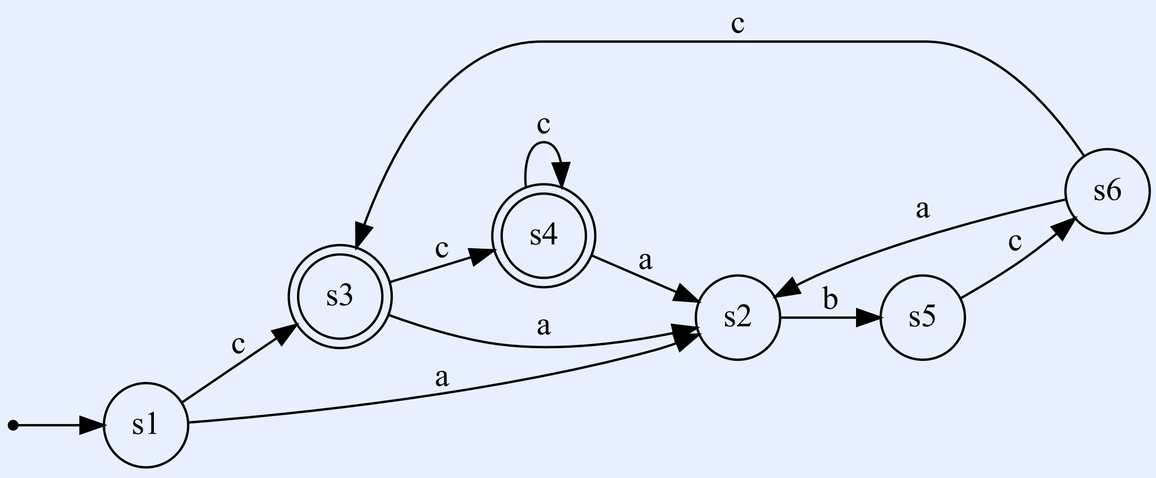
2. Compulsory problem set: Deterministic finite automata

« 2.3 Designing a DFA for a language Course overview 3. Compulsory problem set: Non-deterministic finite automata »

Exercise description My submissions **2 / 50**

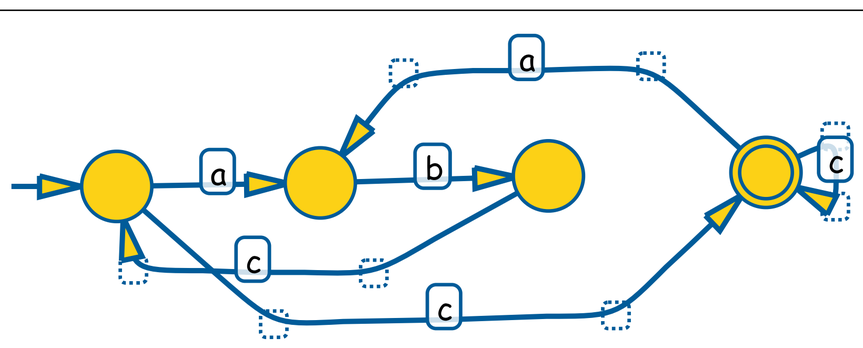
Minimising a DFA

Consider the following automaton



Design a deterministic finite automaton (DFA) *with a minimal number of states* that recognises the same language.

If your automaton contains any states that have no outgoing transition for some symbol, an additional, non-accepting "sink state" with self-loops will be **added** automatically in the grading phase.



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
163

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Previous activity
◄ 1. Compulsory problem set: Basics on languages

Next activity
3. Compulsory problem set: Non-deterministic finite automata ►