7. Voluntary problem set: Finite automata

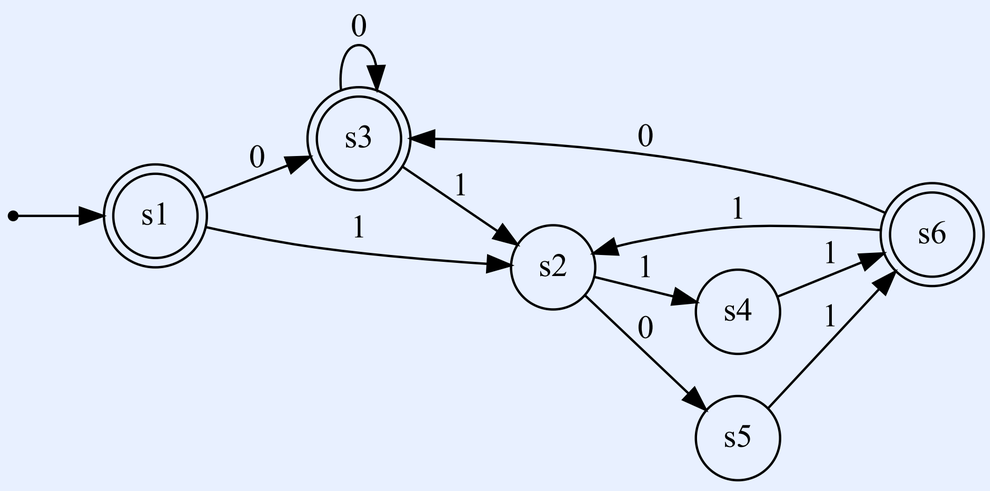
These problems are completely **voluntary** (no bonus points given, either) that one may solve, for instance, before the exam to practise the constructions.

« 7.5 Minimising a DFA Course overview 7.7 Designing an NFA for a language »

Exercise description My submissions **0 / 50**

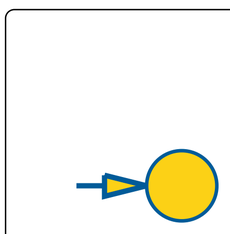
Minimising a DFA

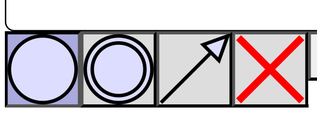
Consider the following automaton



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

0 / 1

Exercise info

Exercise category
Voluntary exercises

Your submissions
0 / 50

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

Total number of submitters
16

« 7.5 Minimising a DFA Course overview 7.7 Designing an NFA for a language »

Previous activity
◄ 6. Voluntary problem set: Some small brain teasers

Next activity
8. Voluntary problem set: Regular expressions ►