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.

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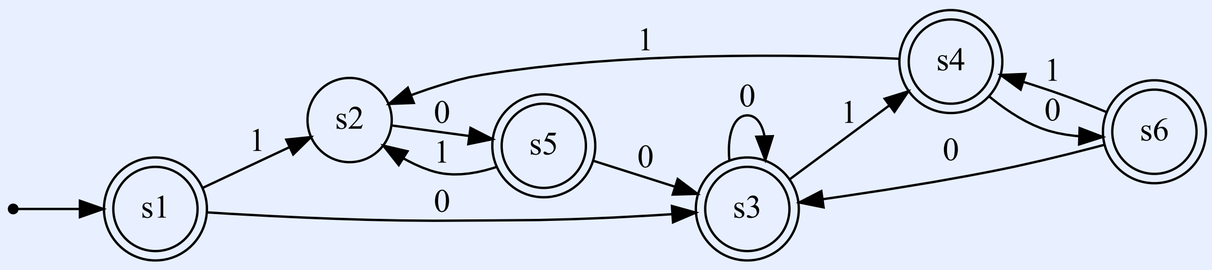
Exercise description My submissions **0 / 50**

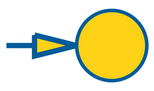
Minimising a DFA

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!

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Earned points

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Exercise info

Exercise category
Voluntary exercises

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

Total number of submitters
18