

# CS-C2160 - Theory of Computation, Lecture, 11.1.2022-11.4.2022

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## 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.

[« 7.8 Designing an NFA for a language](#)

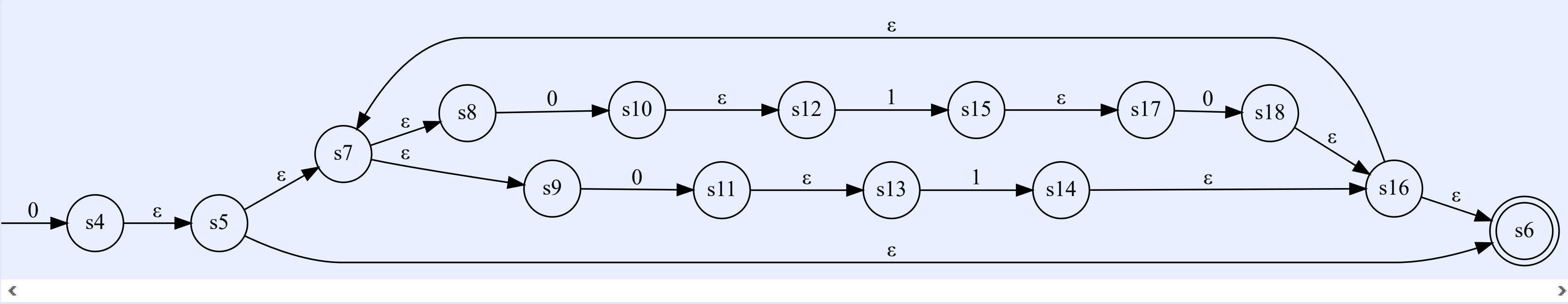
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[7.10 Determinisation »](#)

Exercise description My submissions **0 / 50** ▾

### Determinisation

Consider the following automaton



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

Reset

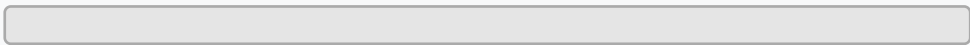
Deterministic:  
yes

- 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

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**

13

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**Previous activity**

[◀ 6. Voluntary problem set: Some small brain teasers](#)

**Next activity**

[8. Voluntary problem set: Regular expressions ▶](#)



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