

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](#)

3. Compulsory problem set: Non-deterministic finite automata

« [2. Compulsory problem set: Deterministic finite automata](#)

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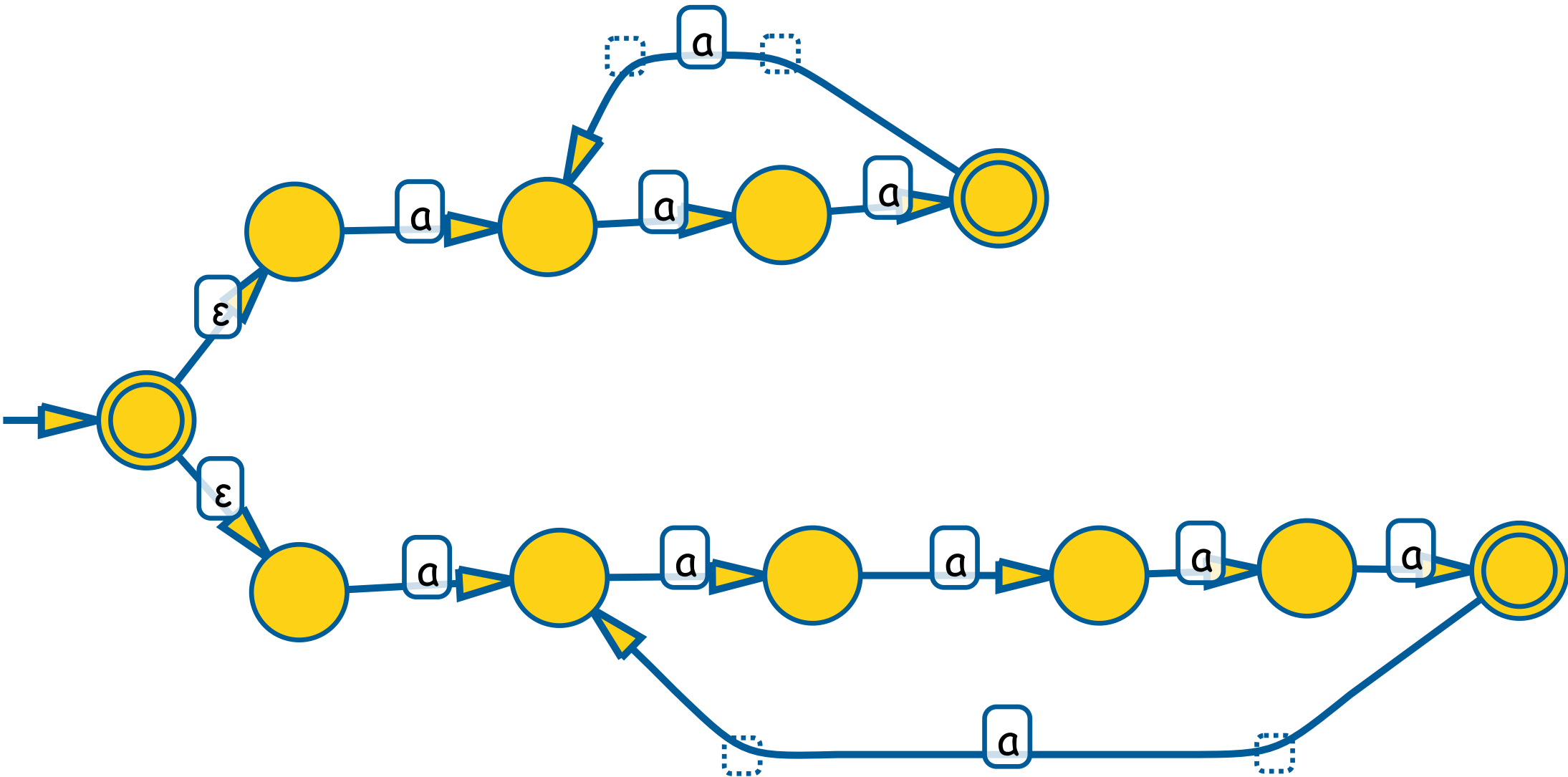
Exercise description

My submissions **1 / 50** ▼

Designing an NFA for a language

Consider the language $L = \{w \in \{a\}^* \mid \text{the length of } w \text{ is a multiple of 3 or 5 (or both)}\}$.

Design a non-deterministic finite automaton (NFA) that recognises the language. ϵ -transitions are allowed.



Reset

Deterministic:
no

- 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!

[3.2 Designing an NFA for a language »](#)

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
161

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Previous activity

◀ [2. Compulsory problem set: Deterministic finite automata](#)

Next activity

[4. Compulsory problem set: Regular expressions](#) ▶



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