



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

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

[Course overview](#)

[3.3 Determinisation](#) »

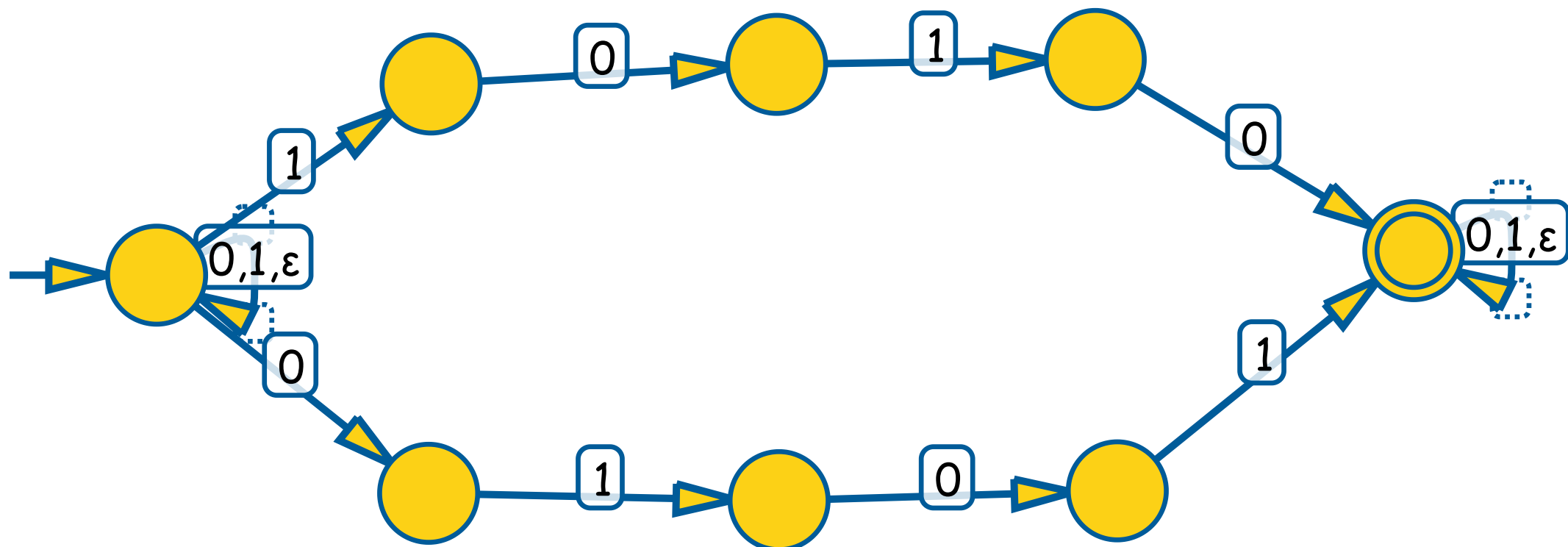
Exercise description

My submissions **2 / 50** ▼

Designing an NFA for a language

Consider the language $L = \{w \in \{0, 1\}^* \mid w \text{ contains the substring } 1010 \text{ or } 0101 \text{ (or both)}\}$.

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!

Earned points

1 / 1



Exercise info

Exercise category

Compulsory exercises

Your submissions

2 / 50

Points required to pass

1

Deadline

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

Total number of submitters

159

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

[Course overview](#)

[3.3 Determinisation](#) »

Previous activity

◀ 2. Compulsory problem set: Deterministic finite automata

Next activity

4. Compulsory problem set: Regular expressions ▶



Tuki / Support

Opiskelijaille / Students

- MyCourses instructions for students
- email: mycourses(at)aalto.fi

Opettajille / Teachers

- MyCourses help
- MyTeaching Support form

Palvelusta

- MyCourses rekisteriseloste
- Tietosuojailmoitus
- Palvelukuvaus
- Saavutettavuusseloste

About service

- MyCourses protection of privacy
- Privacy notice
- Service description
- Accessibility summary

Service

- MyCourses registerbeskrivning
- Dataskyddsmeddelande
- Beskrivning av tjänsten
- Sammanfattning av tillgängligheten

