

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

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## 8. Voluntary problem set: Regular expressions

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

« 7. Voluntary problem set: Finite automata

Course overview

8.2 Regular expression for a language »

Exercise description

My submissions **2 / 50** ▼

Points 1/1

Your task was to give a regular expression describing the language  $L = \{w \in \{0, 1\}^* \mid w \text{ contains the substring } 0100\}$ .

Your solution is: `((1)*|0(0)*1(01)*1)*0(0)*1(01)*00(0|1)*`

The solution is correct

Earned points

1 / 1

Exercise info

Exercise category

Voluntary exercises

Your submissions

2 / 50

Deadline

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

Total number of submitters

22

Submission info

Submitted on

Wed, 02 Mar 2022 18:47:57 +0200

Status

Ready

Grade

1 / 1

Submitters

Nguyen Binh (887799)

« 7. Voluntary problem set: Finite automata

Course overview

8.2 Regular expression for a language »

Previous activity

◀ 7. Voluntary problem set: Finite automata

Next activity

9. Voluntary problem set: Context-free grammars ▶

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Nguyen Binh (Log out)