

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

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## 1. Compulsory problem set: Basics on languages

[« 1.1 Words in a language](#)[Course overview](#)[2. Compulsory problem set: Deterministic finite automata »](#)

Exercise description

My submissions **1 / 50** ▼

### Words in a language

Consider the language  $L = \{w \in \{a, b\}^* \mid w \text{ is of the form } a^n b^m y, \text{ where } |y| = n + m\}$ .

Give 5 distinct words that belong to the language.

Each word must be of length at most 10.  
You can use  $\epsilon$  or the underline symbol `_` to denote the empty string.

Your answer:

• Word 1:

Please enter your solution

• Word 2:

Please enter your solution

• Word 3:

Please enter your solution

• Word 4:

Please enter your solution

• Word 5:

Please enter your solution

Please enter your solutions

Submit!

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

169

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#### Previous activity

◀ [Lecture 12. Elements of program verification](#)

#### Next activity

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



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