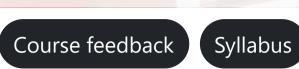# CS-C2160 - Theory of Computation, Lecture, 11.1.2022-11.4.2022

This course space end date is set to 16.12.2022   **Search Courses: CS-C2160**

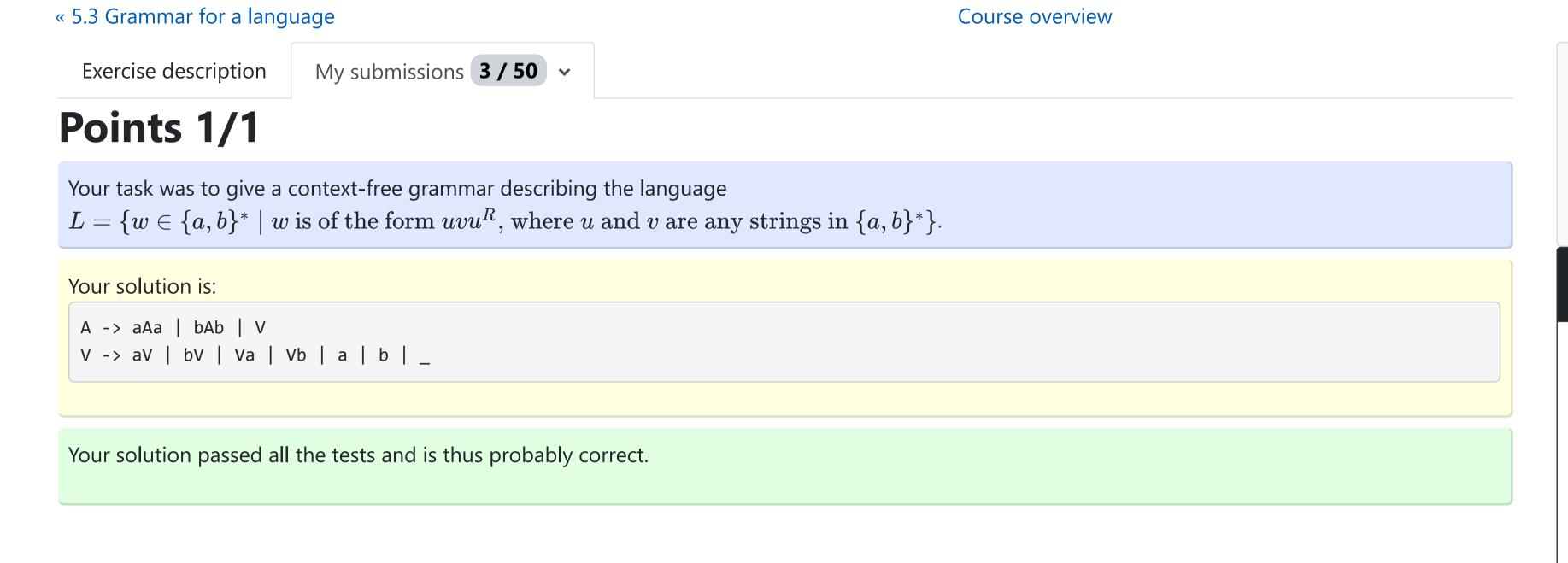? Astra exercises   Forums   Resources

Course feedback   Syllabus

5. Compulsory problem set: Context-free grammars

« 5.3 Grammar for a language   Course overview   5.5 Grammar for a language »

Exercise description   My submissions   **3 / 50** ⌄

Points 1/1

Your task was to give a context-free grammar describing the language
$L = \{w \in \{a, b\}^* \mid w \text{ is of the form } uvu^R, \text{ where } u \text{ and } v \text{ are any strings in } \{a, b\}^*\}.$

Your solution is:

```
A -> aAa | bAb | V
V -> aV | bV | Va | Vb | a | b | _
```

Your solution passed all the tests and is thus probably correct.

« 5.3 Grammar for a language   Course overview   5.5 Grammar for a language »

Earned points

1 / 1

Exercise info

Exercise category
Compulsory exercises

Your submissions
3 / 50

Points required to pass
1

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

Total number of submitters
155

Submission info

Submitted on
Wed, 09 Feb 2022 14:37:47 +0200

Status
Ready

Grade
1 / 1

Submitters
Nguyen Binh (887799)

Previous activity
◄ 4. Compulsory problem set: Regular expressions

Next activity
6. Voluntary problem set: Some small brain teasers ►

Nguyen Binh (Log out)