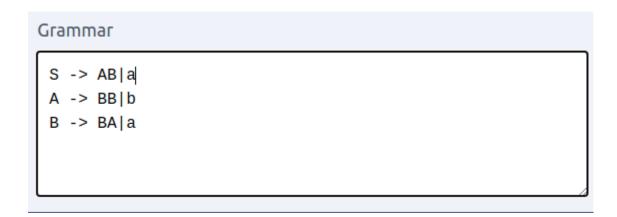Juan Bustamante
Sebastian Jaramillo

Introduction

The intention of this software is to provide a tool that can be able to perform the CYK algorithm and verify that a given string is generated by a given context-free grammar. To use the software go to this link: https://bjuan210302.github.io/context-free-grammar/
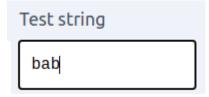
You can also run this project on localhost, download the source code from this github link: https://github.com/bjuan210302/context-free-grammar and follow the instructions of the readme.
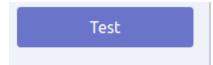
How to use it

First, enter the context-free grammar on the grammar text box.
Be sure to enter the Grammar similar to the format of the example:

Then, you can enter the string that you want to test

and press the "Test" button

Juan Bustamante
Sebastian Jaramillo

Finally the user would be able to see the results, if the string is generated or not by the grammar and its table.

j	1	2	3
b	A	S	S
a	S,B	B	-
b	A	-	-

Result:

- The string is generated by this grammar