

Advanced Computer Lab, Spring term 2017
Task 2

In this task you are required to construct a generic model for a fallback DFA as discussed in the lecture. You will later use instances of this DFA to generate tokens of some input stream of lexemes that belong to a certain language. Your implemented model of the DFA should not be restricted to any language.

You will find the following files on the met website that you will need during the task:

- a) A txt file **fallbackdfa.in**, in this file you will find the parameters to initialize a fallback DFA for the regular definition mentioned in the lecture (slide 33). This file should be the input to your DFA implemented model.
- b) A txt file **lab2.in**, in this file you have several inputs. Each with lexemes of the language used to construct the fallback DFA earlier.
- c) A txt file **lab2.out**, in this file the output tokens corresponding to each input in the **lab2.in** file. These tokens should be generated using your implemented fallback DFA. Your output should look like this file.

Please Note that:

- You are required to submit your java project zipped and named after your ID
- Your deadline is one week after your lab session.
- **No late** submissions will be accepted.
- Cheating cases will be graded by 0.
- It is your responsibility to make sure that the files were uploaded successfully to the website.