German University in Cairo
Media Engineering and Technology
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Advanced Computer Lab, Spring term 2017
Task 1

In this task you are required to construct a generic model for an NFA and implement a generic algorithm to convert this NFA to a DFA that accepts the same language.

You will find the following on the met website the task folder with the input files that you will need during the task.

You will find three folders each one for a given test case. In each test case you will find the following two files:

a) A txt file **NFA.in**, in this file you will find the parameters to initialize an NFA. These parameters represents the formal definition of an NFA. This file should be the input to your NFA implemented model.

b) A txt file **DFA.out**, in this file you will find the format of the required output of your task. The output DFA should follow the same format of the input NFA that of the formal definition of a DFA. Your output should look like this file.

Please Note that:

- Your deadline is one day after your lab session. Same timing of the lab.
- **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.