

Lab 4 – Documentation

GitHub link: <https://github.com/LeVoMihalcea/FLCD/tree/master/lab%204>

Input file for FA: input.txt

Format:

List of states

Alphabet list

Start

Finals

Transition1; Transition2; ...

The file is read line by line, stripped and split by spaces. This statement is true for each line.

Furthermore, when we get to transitions, we split by ';' first, and then by spaces.

After the first split, we get a transition, and we split again to get its elements.

States and alphabet are lists of strings.

Start is a string

Finals is a list of strings

Transitions is a dictionary of the form

$$\{(q1, q2) : a, (q1, q3): b..\}$$

The input is read then simply printed to the screen. The FiniteAutomata class has its `str` overridden so we simply need to call `str(ourFiniteAutomata)` to see the output.