<https://github.com/IrinaDezmirean/FLCD/tree/main/Finite%20Automata>

A file with the specified structure is read. During the reading process, the states and transitions are identified and also the fa is checked if it is a dfa or not. If the provided fa is a dfa then the provided sequence is checked if it can be accepted or not. The menu allows choosing which option to display at every step.

Finite automata input file structure (EBNF):

digit := “0” | “1” | … | “9”

letter: = “a” | “b” | … | “z” | “A” | “B” | … | “Z”

char := digit | letter

string := char {char}

initialState = string

finalStates = string {“,” string}

transition = string “,” char “,” string newline

setTransitions = transition {transition}

file = initialState newline finalStates newline setTransitions