https://github.com/Nyesteban/FLCD-lab-2

In the FiniteAutomaton class, there is a value that determines if the FA is deterministic, the initial state, a list of final states, a list of all states, a list of the alphabet and a map containing the transitions.

The readFromFile function reads the FA from file and fills the fields with the correct data. It also checks if the FA is deterministic using the checkIfDeterministic function.

The acceptsSequence function checks if a sequence is accepted by the FA.

non\_zero\_digit = 1|2|...|9

digit = 0|1|…|9

number = non\_zero\_digit{digit}

letter = a|b|...|z|A|B|…|Z

character = letter|digit

firstLine = {character} {"," {character}}

secondLine = {character}

thirdLine = {character} {"," {character}}

fourthLine = character {"," character}

transition = {character} " " character " " {character}

transitions = transition "\n" {transition "\n"}

inputFile = firstLine "\n" secondLine "\n" thirdLine "\n" fourthLine "\n" transitions