https://github.com/marcrares/LFCD

Operations are implemented on an Automaton read from the file "fa.in"
It contains the states,the alphabet, the initial state, the final states and the transitions.
The method used for checking the provided word is checkAccepted() which returns a boolean value.
The method starts in the initial state and for each letter in the word it checks if there is a transition from the current state to another state with the letter as label. If the final letter is not a final state (output state) or no such transition exists, the word is not accepted and the method returns false; Otherwise, return true.

nzdigit = 1|2| .. |9
digit = 0|1|..|9
number = nzdigit{digit}
letter = a|b|..|z|A|B..|Z
character = letter | digit
listOfCharacters = {character} {","character}
firstLineStates = listOfCharacters
secondLineInitialState = character
thirdLineOutputStates = listOfCharacters
fourthLineAlphabet = listOfCharacters
transition = character "," character "," character
inputFile = firstLineStates "\n" secondLineInitialState "\n" thirdLineOutputStates "\n" fourthLineAlphabet "\n" trans
ition {"\n" transition}