

Assignment 5

Documentation

Implementation

- <https://github.com/aalexcampean/flcd-labs.git>

Documentation

- Finite Automata
 - A tuple of 5 (set of states, alphabet, set of transitions, initial state, set of final states)
 - Set of states
 - Represented as a List
 - Alphabet
 - Represented as a List
 - Set of Transitions
 - Represented as a List
 - Initial State
 - Represented as a String
 - Set of final states
 - Represented as a List
- When reading the lines in the file each represents one of the sets mentioned above (IN THAT EXACT ORDER)
- All lines are split by space and each set is created when reading
- Checking if a sequence is accepted by the FA:
 - Starting from the initial state, we parse the provided sequence and check if each character from the sequence matches at least one of the transitions in the FA