FA Documentation

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Finite Automation: a class with its 5 classic fields: Q, E, q0, F, S and each field is equivalent to the theoretical definition

The transitions are kept in a HashMap, and each key with symbol is mapped to a list of destination states (e.g. $(q, 1) \rightarrow [p] == q$ goes to p with value 1

Checking if the FA is a DFA: iterating through the dictionary keys and if any list has a length greater than 1, it returns false

Checking if a sequence is accepted by the FA -> iterate through each symbol from the given sequence and determine if the given point can be reached using the FA transitions