Teoría de Autómatas y Lenguajes Formales

Práctica 2: Automata en JFLAP

Alberto Estrada Gomez

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1. Actividad 1

1. Consider the language over the alphabet(a,b) that only contains the string a.

a. Build a DFA that recognizes this language and rejects all those strings that do not belong to the language.

b. Test the automaton that you have created by introducing 6 chains.

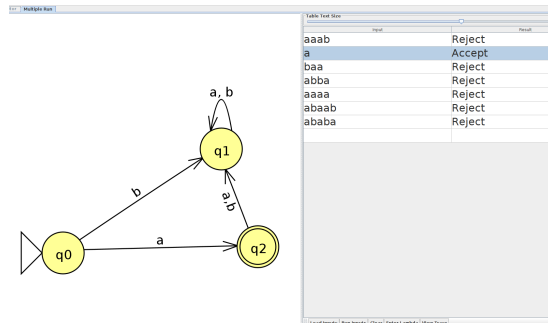$$\delta = \{ \ (q0, a, q2), (q0, b, q1), (q1, a, q1), (q1, b, q1), (q2, a, q1), (q2, b, q1)\}$$

Figura 1: DFA

2. Actividad 2

"K" : ["q0", "q1", "q2"],

"A" : ["a", "b"],

"s" : "q0",

"F" : ["q1"],

"t" : [["q0", "b", "q1"], ["q0", "a", "q2"], ["q1", "a", "q1"], ["q1", "b", "q1"],
["q2", "a", "q1"], ["q2", "b", "q1"]]