## Actividades Practica 2

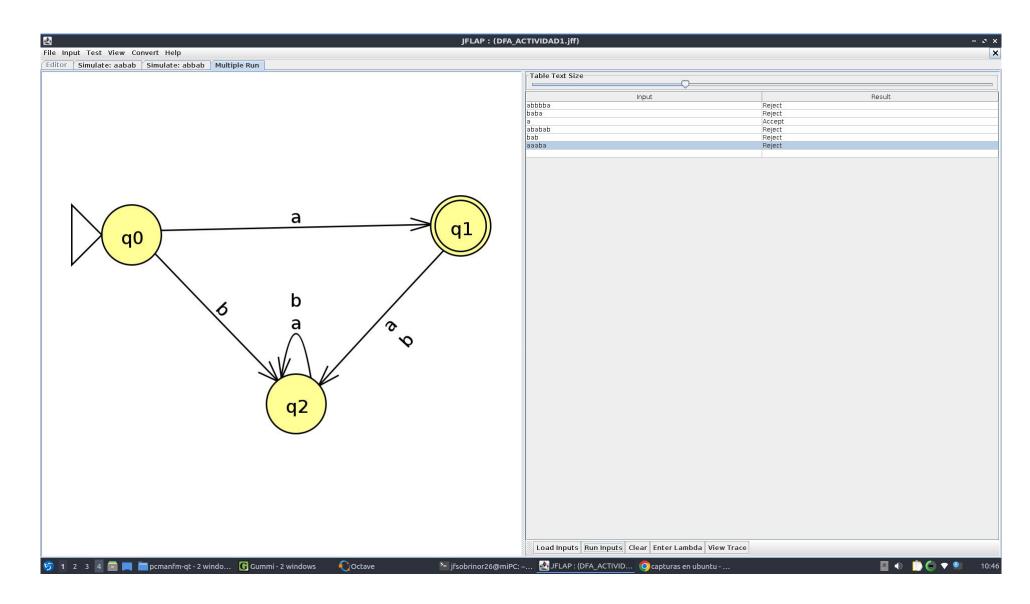
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- 1. Consider the language over the alphabet a, b that only contains the string a.
- a. Build a DFA that recognizes this language and rejects all those strings that do not belong to the language.
- b. Test the automaton that you have created by introducing 6 chains.

a)El AFD que nos piden sería el siguiente:

$$M = (\{q_0, q_1, q_2\}, \{a, b\}, \delta, q_0, \{q_1\})$$

$\delta(q,\sigma)$	a	b
$q_0$	$q_1$	$q_2$
$q_1$	$q_2$	$q_2$
$q_2$	$ q_2 $	$q_2$



## 2. Finite automaton in Octave:

- a. Open the Octave finiteautomata.m script and test it with the given example (see script help) in the GitHub repository.
- b. Specify in finiteautomata.json the automaton created in Activity 1 and test it with the script!

```
["q1", "b", "q2"],
["q2", "a", "q2"],
["q2", "b", "q2"]]
}
```