

Práctica 2

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Activities

1. Consider the language over the alphabet

$$\{a, b\}$$

that only contains the string a

Definimos el lenguaje con un DFA

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

$$\delta(q_0, a) = q_1$$

$$\delta(q_0, b) = q_2$$

$$\delta(q_1, a) = q_2$$

$$\delta(q_1, b) = q_2$$

$$\delta(q_2, a) = q_2$$

$$\delta(q_2, b) = q_2$$

de pantalla de 2022-10-31 19-31-29.png de pantalla de 2022-10-31
19-31-29.pngCaptura de pantalla de 2022-10-31 19-31-29.png

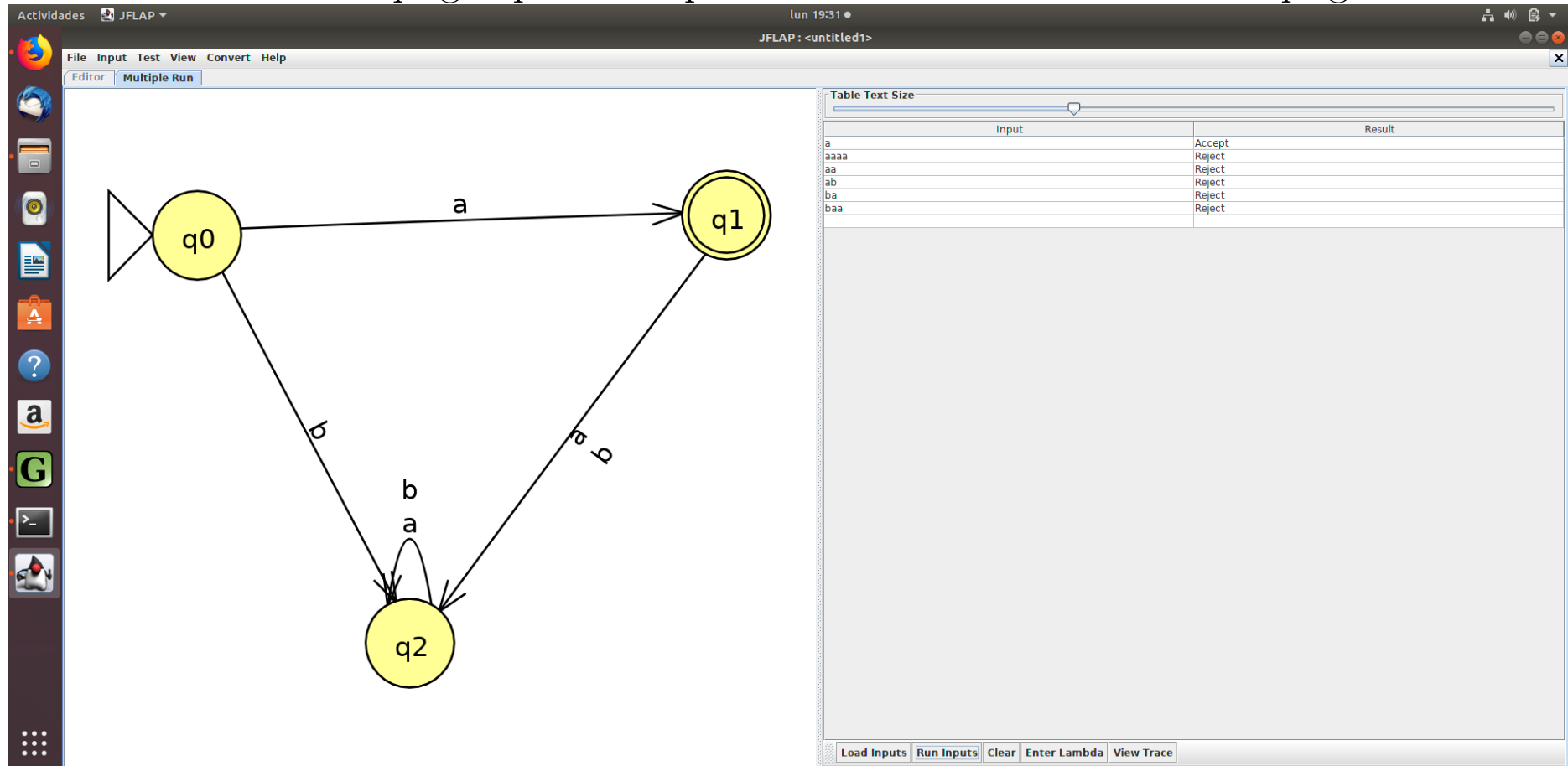


Figure 1: Automata en JFLAP

de pantalla de 2022-10-31 22-43-49.png de pantalla de 2022-10-31
19-31-29.png Captura de pantalla de 2022-10-31 22-43-49.png

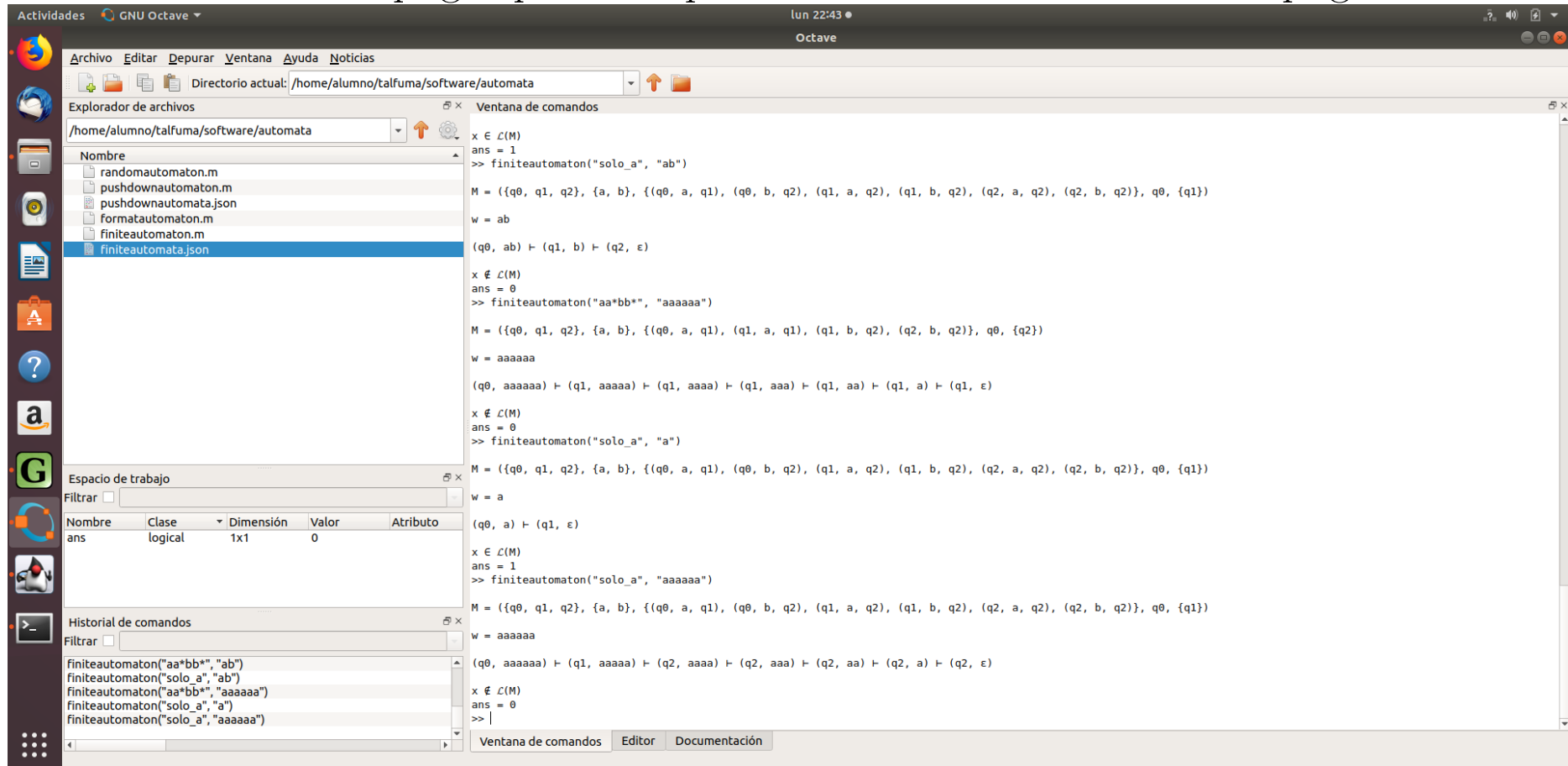


Figure 2: Comprobación Octave

```
{  
  "name" : "solo_a",  
  "representation" : {  
    "K" : ["q0", "q1", "q2"],  
    "A" : ["a", "b"],  
    "s" : "q0",  
    "F" : ["q1"],  
    "t" : [ ["q0", "a", "q1"],  
            ["q0", "b", "q2"],  
            ["q1", "a", "q2"],  
            ["q1", "b", "q2"],  
            ["q2", "a", "q2"],  
            ["q2", "b", "q2"]  
          ]  
  }  
}
```