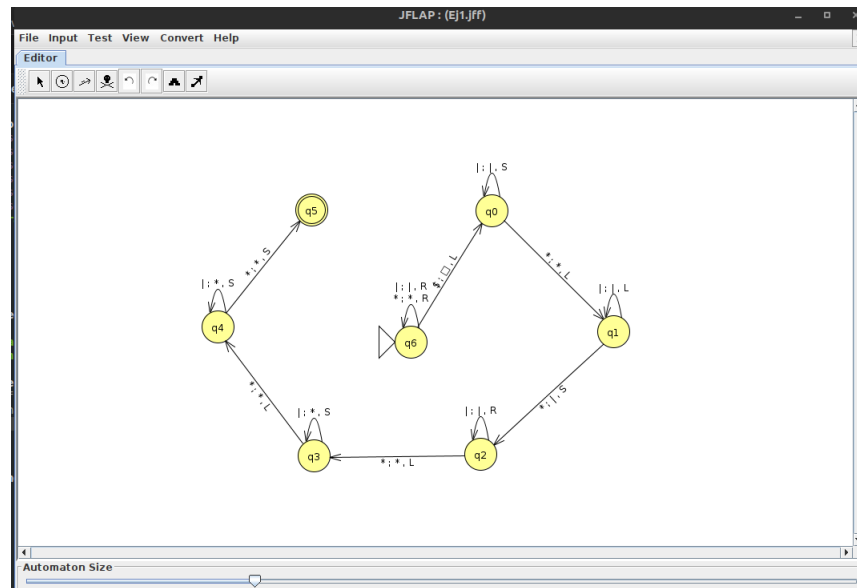


Práctica 3

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Ejercicio 1

Define the TM solution of exercise 3.4 of the problem list and test its correct behaviour.



Ejercicio 2

Define a recursive function for the sum of three values.

$$\text{addition_3} = \langle \langle \pi_1^1 | \sigma(\pi_3^3) \rangle | \sigma(\pi_4^4) \rangle$$

Ejercicio 3

Implement a WHILE program that computes the sum of three values. You must use an auxiliary variable that accumulates the result of the sum.

```
while  $X_3 \neq 0$  do  
     $X_1 := X_1 + 1;$   
     $X_3 := X_3 - 1$   
od  
while  $X_2 \neq 0$  do  
     $X_1 := X_1 + 1;$   
     $X_2 := X_2 - 1$   
od  
 $X_1 := X_1$ 
```