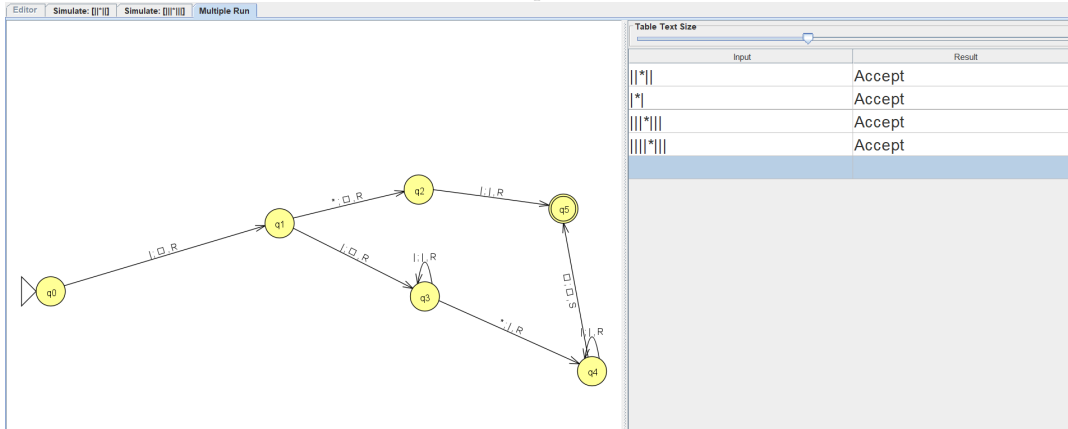


# **Práctica 3**

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



2. Define a recursive function for the sum of three values.

$$<< \pi_1^1 | \sigma(\pi_3^3) > | \sigma(\pi_4^4) >$$

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.

$X4 := X1$

*WHILE*  $X2 \neq 0$  *do*

$X4 := X4 + 1$

$X2 := X2 - 1$

*od*

*WHILE*  $X3 \neq 0$  *do*

$X4 := X4 + 1$

```
 $X3 := X3 - 1$   
od  
WHILE  $X1 \neq 0$  do  
   $X4 := X4 + 1$   
   $X1 := X1 - 1$   
od  
 $X1 := X4$ 
```