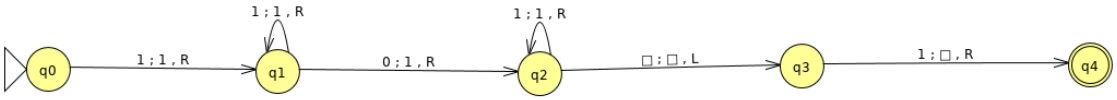
PRACTICA 3

Daniel Márquez Polonio

1 Ejercicio 1

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



2 Ejercicio 2

Define a recursive function for the sum of three values.

$$add^3_{1,3} = add(\pi^3_1, \pi^3_3) = \langle \pi^1_1 | \sigma(\pi^3_3) \rangle (\pi^3_1, \pi^3_3)$$

3 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.

$$addthree = (1, s)$$

$$s :$$

$$X2 := X1;$$

$$while \quad X2 \neq 0 \quad do$$

$$X1 := X1 + 1;$$

$$X2 := X2 - 1$$

$$od$$