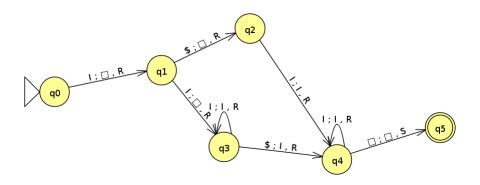
Practica 3

Daniel Mora Navarro

Actividad 1

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



Actividad 2

Define a recursive function for the sum of three values.

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

Actividad 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.

```
\begin{aligned} \mathbf{Q} &= (3,\,\mathbf{s}) \\ \mathbf{s} &: \\ & \quad \mathbf{while} \ G(X_1) \neq 0 \ \mathbf{do} \\ & \quad X_1 := \ X_1 - 1; \\ & \quad X_4 := \ X_4 + 1; \end{aligned} \mathbf{od} \\ & \quad \mathbf{while} \ G(X_2) \neq 0 \ \mathbf{do} \\ & \quad X_2 := \ X_2 - 1; \\ & \quad X_4 := \ X_4 + 1; \end{aligned} \mathbf{od} \\ & \quad \mathbf{while} \ G(X_3) \neq 0 \ \mathbf{do} \\ & \quad X_3 := \ X_3 - 1; \\ & \quad X_4 := \ X_4 + 1; \end{aligned} \mathbf{od} \\ & \quad X_1 := \ X_4;
```