Practica 3

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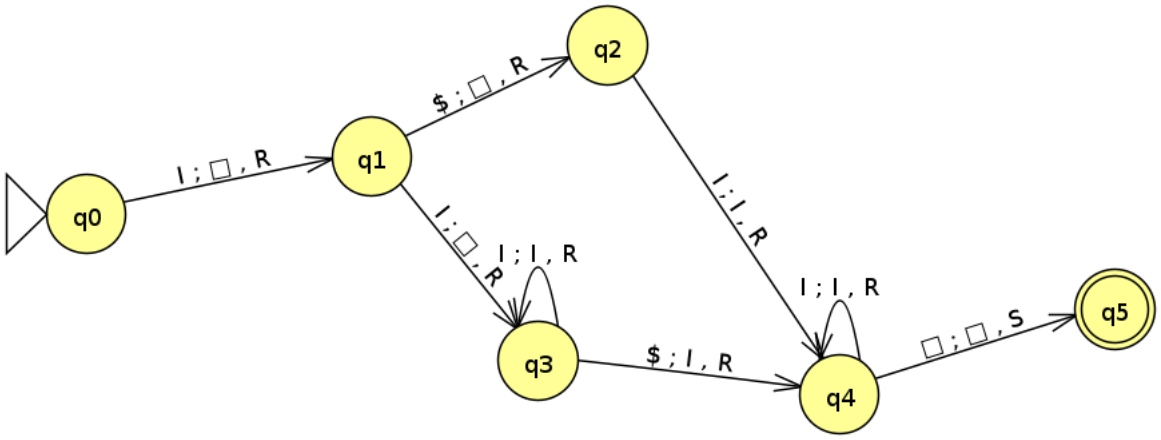
Actividad 1

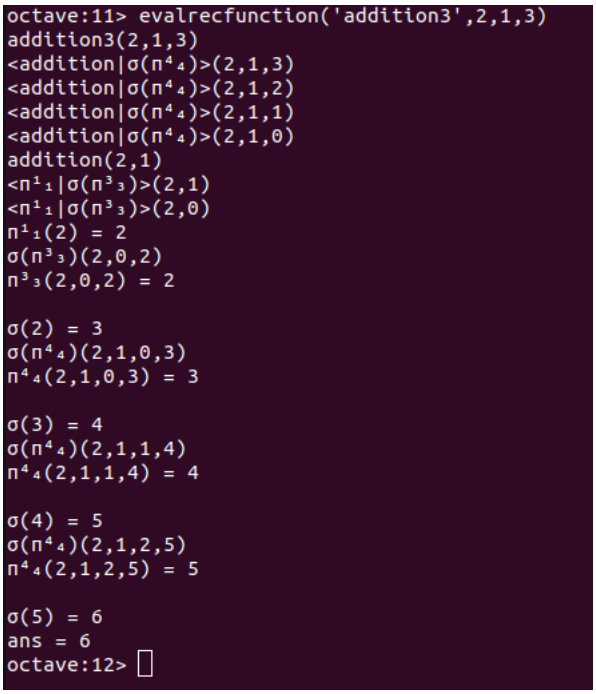
Define the TM solution of exercise 3.4 of the problem list and test its correct behaviour.



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.

Q = (3, s)

s:

while $G(X_1) \neq 0$ **do**
$X_1 := X_1 - 1;$
$X_4 := X_4 + 1;$

od
while $G(X_2) \neq 0$ **do**
$X_2 := X_2 - 1;$
$X_4 := X_4 + 1;$

od
while $G(X_3) \neq 0$ **do**
$X_3 := X_3 - 1;$
$X_4 := X_4 + 1;$

od
$X_1 := X_4;$