

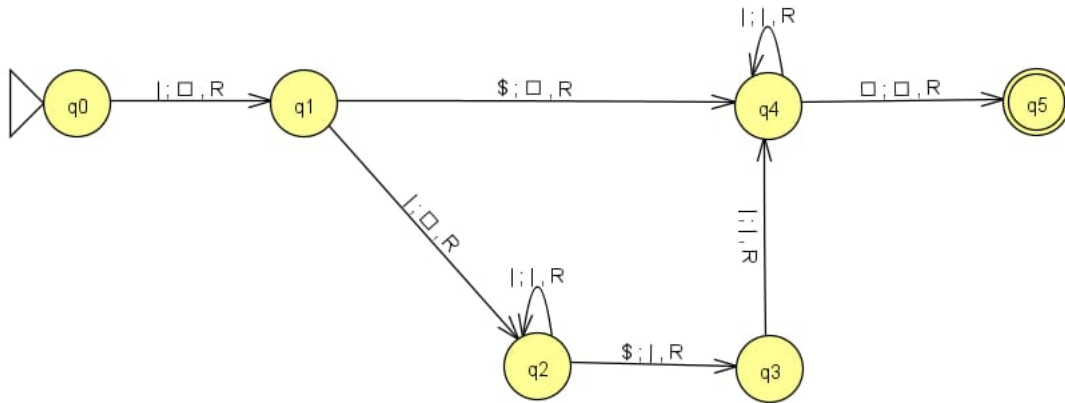
3º PRACTICA

Carlos Quesada Cruz

December 10, 2022

1 Ejercicio

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



2 Ejercicio

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

```

octave:3> evalrecfunction ('suma3',6,4,1)
suma3(6,4,1)
<<n11|σ(n33)>|σ(n44)>(6,4,1)
<<n11|σ(n33)>|σ(n44)>(6,4,0)
<n11|σ(n33)>(6,4)
<n11|σ(n33)>(6,3)
<n11|σ(n33)>(6,2)
<n11|σ(n33)>(6,1)
<n11|σ(n33)>(6,0)
n11(6) = 6
σ(n33)(6,0,6)
n33(6,0,6) = 6

σ(6) = 7
σ(n33)(6,1,7)
n33(6,1,7) = 7

σ(7) = 8
σ(n33)(6,2,8)
n33(6,2,8) = 8

σ(8) = 9
σ(n33)(6,3,9)
n33(6,3,9) = 9

σ(9) = 10
σ(n44)(6,4,0,10)
n44(6,4,0,10) = 10

σ(10) = 11
ans = 11

```

3 Ejercicio

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

SOL