## Practica 3

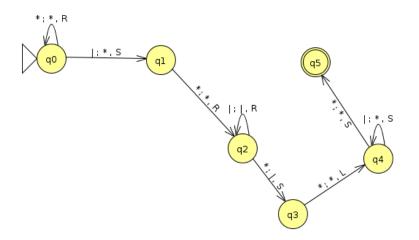
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## **Ejercicios**

1 Prove that the function add(x,y)=x+y, with x,y ⣣ N is Turing-computable using the unary notation |. You have to create a TM with two arguments separated by a blank symbol that stars and ends behind the stings.

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

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  $\frac{1}{2}$