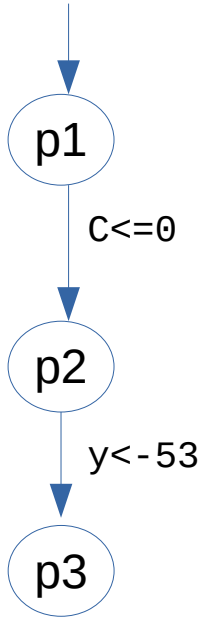
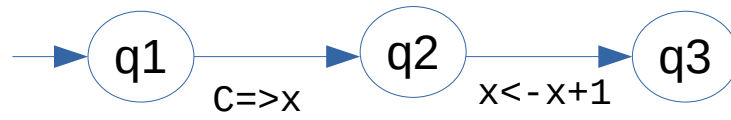


Closed product:

All the behaviours that $p||q$ could engage in,
if they are the only processes in the world.

If you have some send/receives that can't be matched
by others in our closed world, they are ignored.



<p1,q1>

<p1,q2>

<p1,q3>

<p2,q1>

<p2,q2>

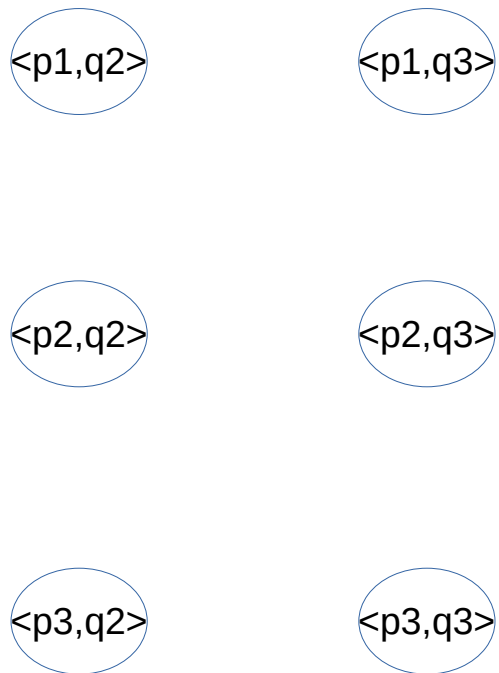
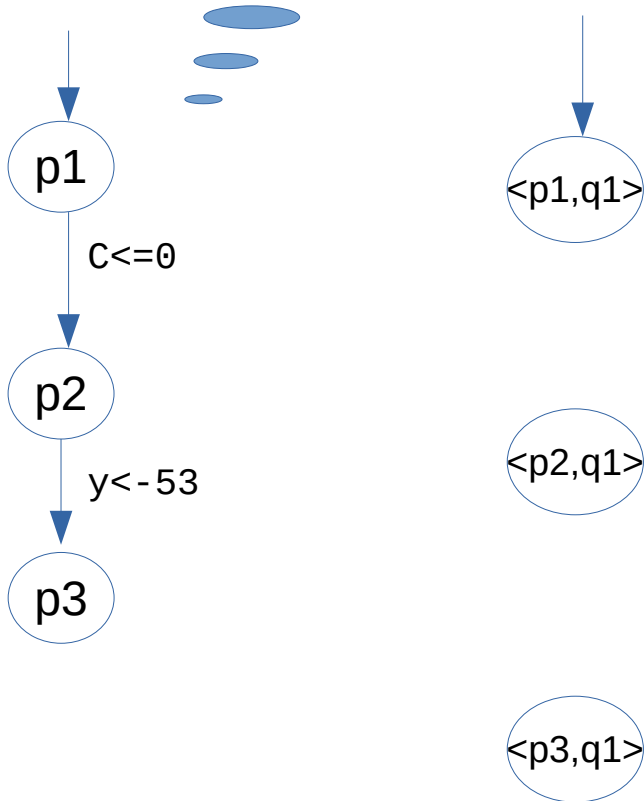
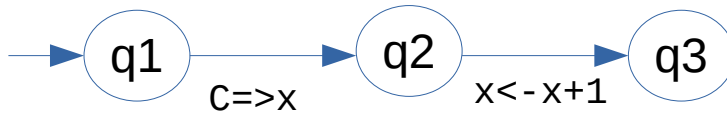
<p2,q3>

<p3,q1>

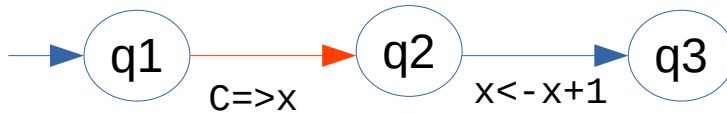
<p3,q2>

<p3,q3>

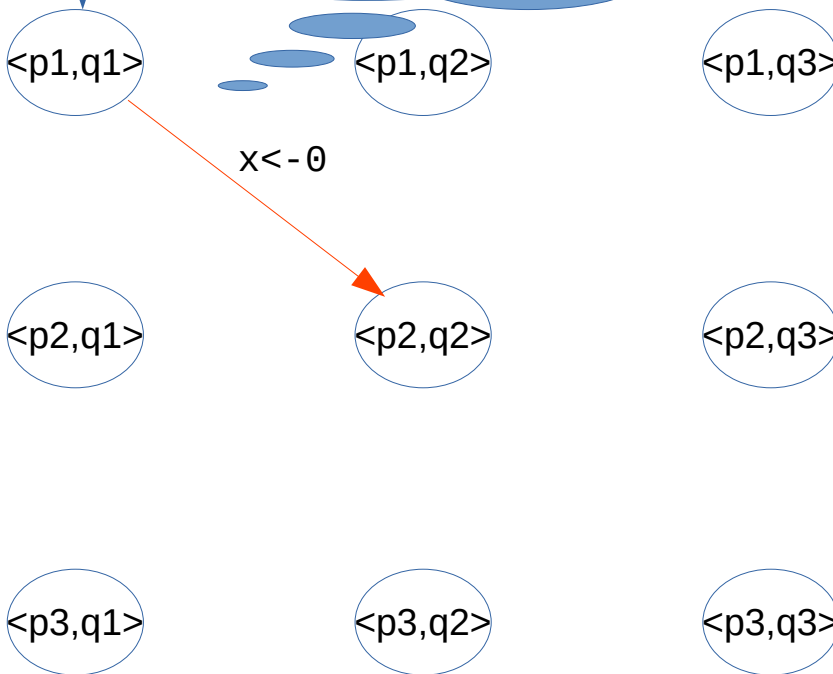
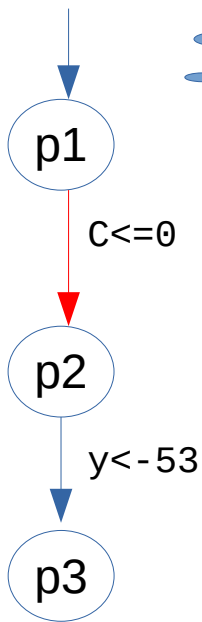
Look for matching pairs of inputs and outputs

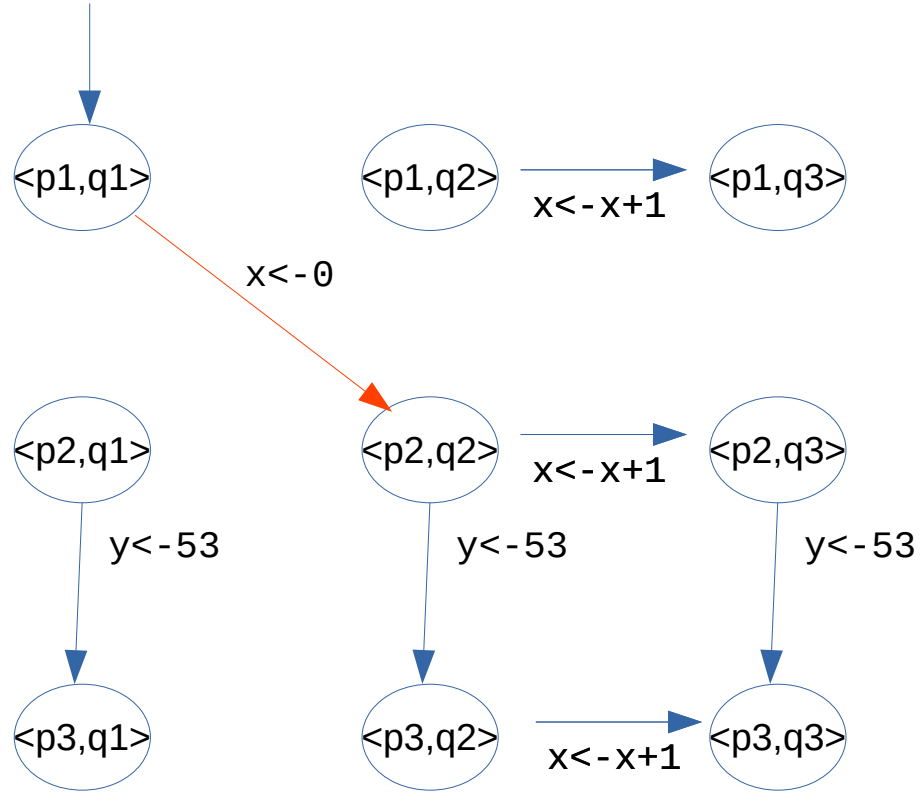
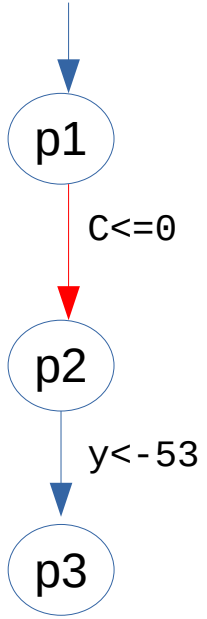
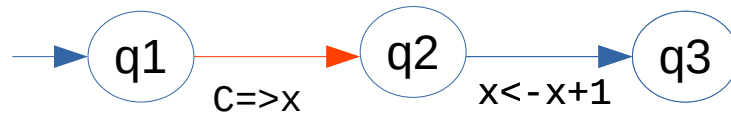


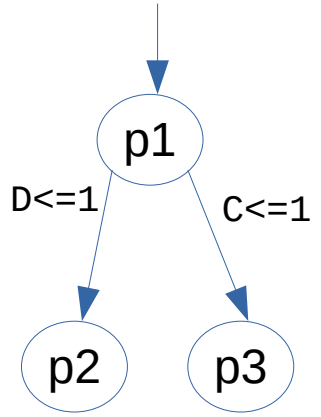
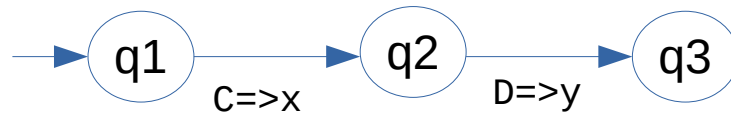
Look for matching pairs of inputs and outputs

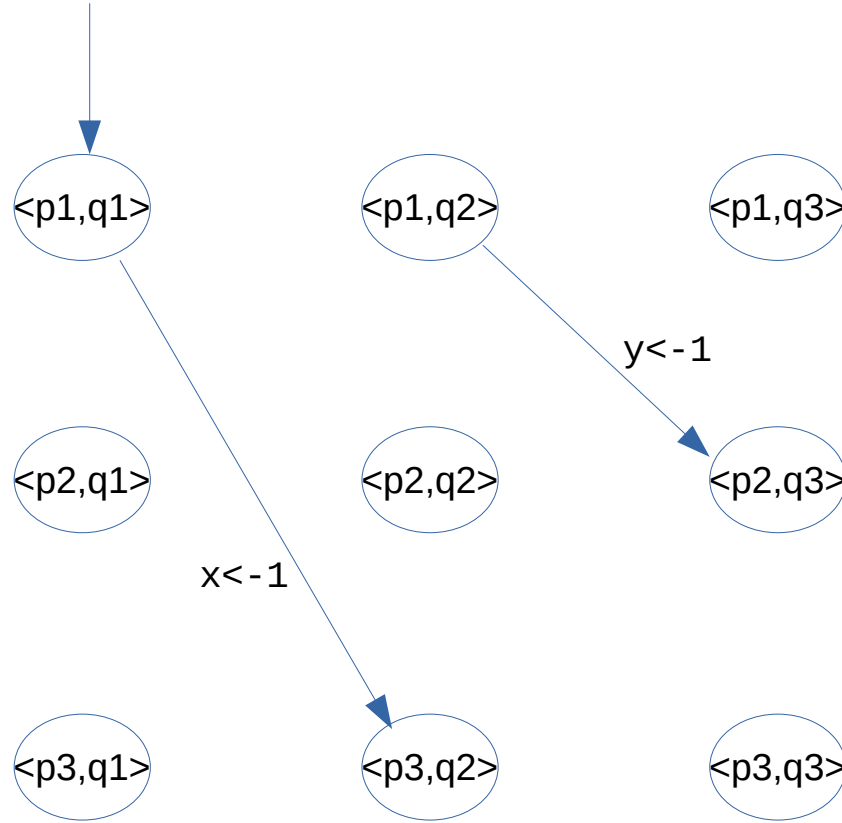
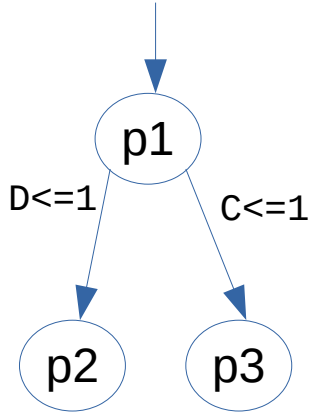
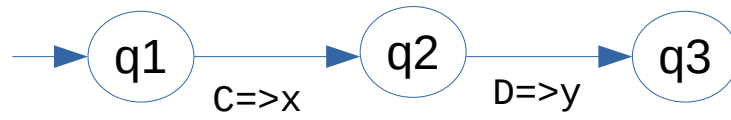


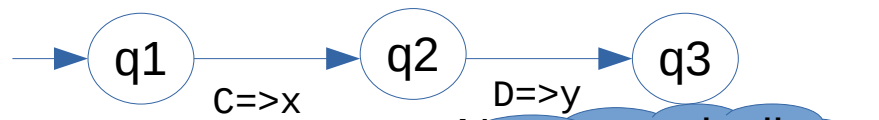
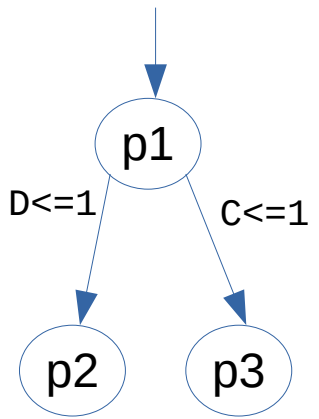
A send and receive together becomes an assignment





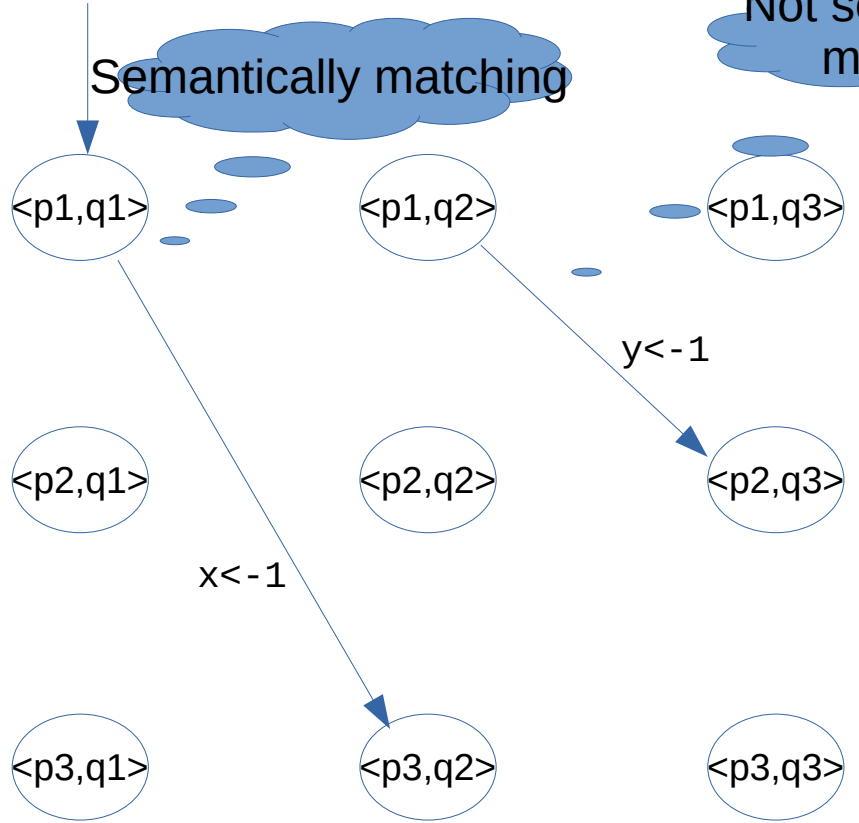


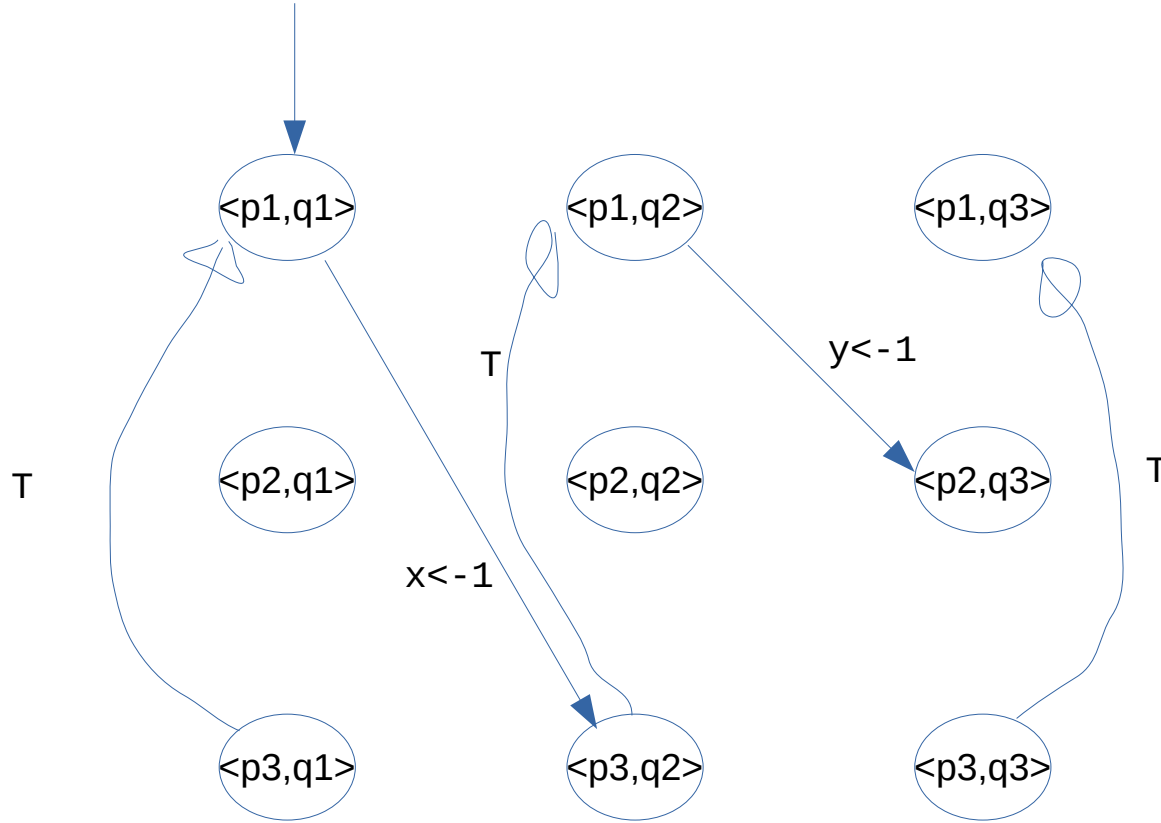
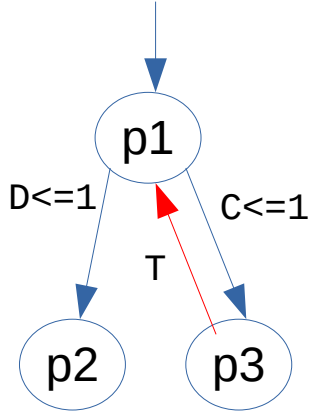
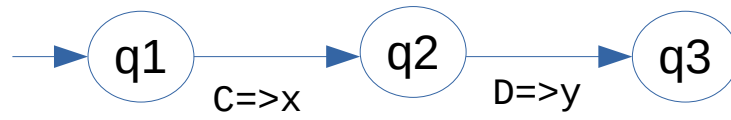




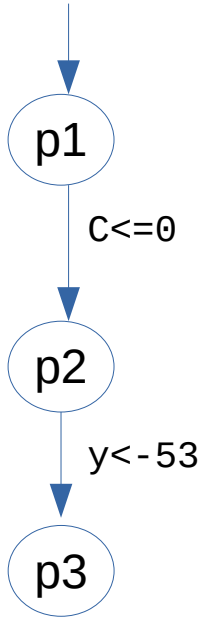
Semantically matching

Not semantically matching

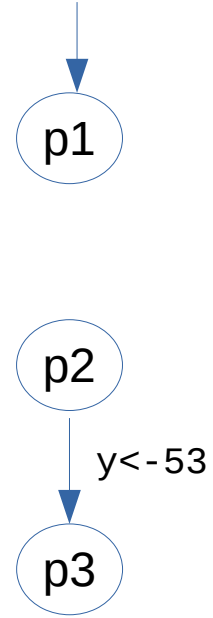


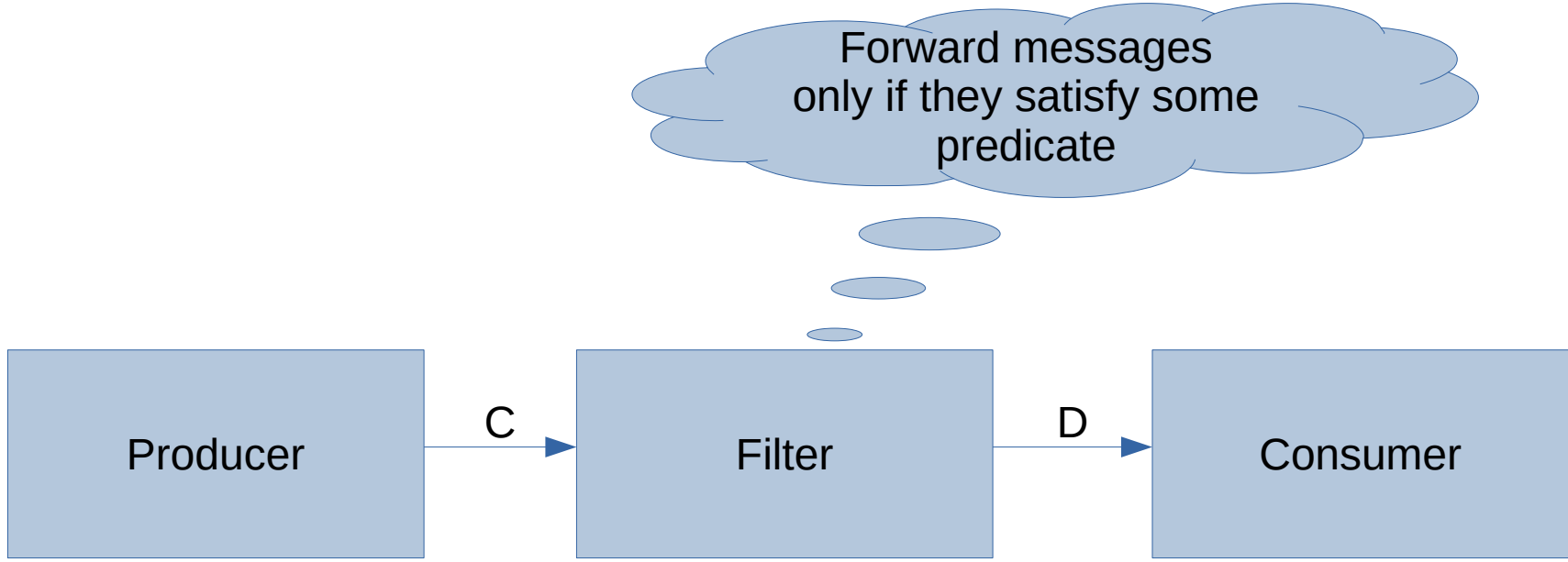


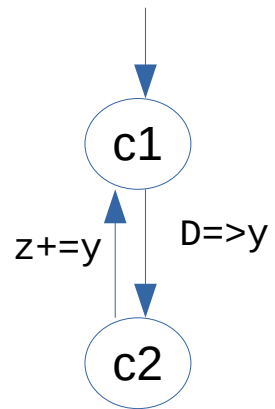
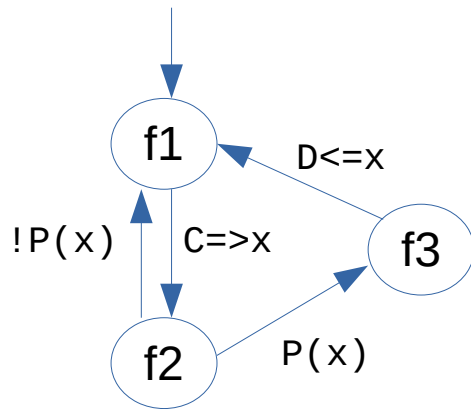
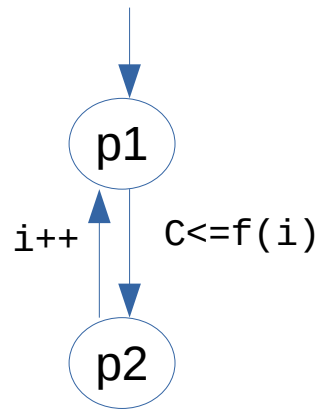
Look for matching pairs.
There aren't any :(



Unary closed product







Invariant: when we're in $\langle p1, f1, c1 \rangle$ then:
 $z = \text{Sum}_{\{n : 0 \leq n < i \wedge P(f(i))\}} f(n)$

