

f-free-first^{11,40}

$\forall es:ES, L:(Id\ List).$

fischer(L)

$\Rightarrow (\forall e:E, j:Id.$

 Newround(e)

$\Rightarrow (j \in L)$

$\Rightarrow (\neg(j = loc(e)))$

$\Rightarrow (\forall e':E.$

 ($\uparrow isrcv(e')$)

$\Rightarrow (sender(e') = e)$

$\Rightarrow (loc(e') = j)$

$\Rightarrow (tag(e') = "free" \in Id)$

$\Rightarrow (lnk(e') = \langle loc(e), j, "z" \rangle \in IdLnk)$

$\Rightarrow (the\ rcv(\text{free message from } e \text{ to } j) \leq_{loc} e')$)