

f-inv1^{11,40}

$\forall es:ES, L:(Id\ List).$
fischer(L)
 $\Rightarrow (\forall e:E.$
 fEvent(e)
 $\Rightarrow (\forall i:\mathbb{N}.$
 $(\forall j:\mathbb{N}.$
 $((rank(e) = \langle i, (2 * j) + 1 \rangle \in (: \mathbb{N} \times \mathbb{N}))$
 $\Rightarrow (((\text{"x" after } e) = \text{"try"} \in Id) \vee ((\text{"x" after } e) = \text{"taken"} \in Id)))$
 $\& ((rank(e) = \langle i, (2 * j) + 2 \rangle \in (: \mathbb{N} \times \mathbb{N}))$
 $\Rightarrow (((\text{"x" after } e) = \text{"contending"} \in Id) \vee ((\text{"x" after } e) = \text{"mine"} \in Id))))$
 $\& ((rank(e) = \langle i, 0 \rangle \in (: \mathbb{N} \times \mathbb{N})) \Rightarrow ((\text{"x" after } e) = \text{"free"} \in Id \& (0 < i))))$