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) = <i, $(2 * j)$+1> $\in$ (:$\mathbb{N} \times \mathbb{N}$))
      $\Rightarrow$ ((("x" after e) = "try" $\in$ Id) $\vee$ (("x" after e) = "taken" $\in$ Id)))
     & ((rank(e) = <i, $(2 * j)$+2> $\in$ (:$\mathbb{N} \times \mathbb{N}$))
        $\Rightarrow$ ((("x" after e) = "contending" $\in$ Id) $\vee$ (("x" after e) = "mine" $\in$ Id))))
    & ((rank(e) = <i, 0> $\in$ (:$\mathbb{N} \times \mathbb{N}$)) $\Rightarrow$ (("x" after e) = "free" $\in$ Id & $(0 < i)$)))))

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http://www.nuprl.org/FDLcontent/p0_963683_/p74_184242_{f-inv1}.html