

f-free-stability^{11,40}

$\forall es:\text{event_system}\{i:l\}, L:(\text{Id List}), del:\text{rationals}.$
 $\text{fischer}\{x:\text{ut2}, \text{try}:\text{ut2}, \text{taken}:\text{ut2}, \text{contending}:\text{ut2}, \text{free}:\text{ut2}, \text{mine}:\text{ut2}, \text{wanted}:\text{ut2}, z:\text{ut2}\}$
 $(es; L)$
 $\Rightarrow \text{fischer-delay}\{i:l,$
 $\quad x:\text{ut2},$
 $\quad \text{try}:\text{ut2},$
 $\quad \text{taken}:\text{ut2},$
 $\quad \text{contending}:\text{ut2},$
 $\quad \text{free}:\text{ut2},$
 $\quad \text{mine}:\text{ut2},$
 $\quad \text{wanted}:\text{ut2},$
 $\quad z:\text{ut2}\}$
 $(es; del; L)$
 $\Rightarrow (\forall e:\text{es-E}(es).$
 $\quad (\text{loc}(e) \in L)$
 $\quad \Rightarrow @e(\text{mkid}\{x:\text{ut2}\} \rightarrow \text{mkid}\{\text{free}:\text{ut2}\}))$
 $\quad \Rightarrow (\forall e':\text{es-E}(es).$
 $\quad \quad \text{es-locl}(es; e; e')$
 $\quad \quad \Rightarrow \text{qless}(\text{es-time}(es; e'); (\text{es-time}(es; e) + del))$
 $\quad \quad \Rightarrow (\text{es-when}(es; \text{mkid}\{x:\text{ut2}\}; e') = \text{mkid}\{\text{free}:\text{ut2}\} \in \text{Id}))$