

f-same-sender^{11,40}

$\forall es:\text{event_system}\{i:l\}, L:(\text{Id List}), del:\text{rationals}.$
 $\text{qless}(0; del)$
 $\Rightarrow \text{fischer}\{x:\text{ut2},$
 $\text{try}:\text{ut2},$
 $\text{taken}:\text{ut2},$
 $\text{contending}:\text{ut2},$
 $\text{free}:\text{ut2},$
 $\text{mine}:\text{ut2},$
 $\text{wanted}:\text{ut2},$
 $z:\text{ut2}\}$
 $(es; L)$
 $\Rightarrow \text{fischer-delay}\{i:l,$
 $x:\text{ut2},$
 $\text{try}:\text{ut2},$
 $\text{taken}:\text{ut2},$
 $\text{contending}:\text{ut2},$
 $\text{free}:\text{ut2},$
 $\text{mine}:\text{ut2},$
 $\text{wanted}:\text{ut2},$
 $z:\text{ut2}\}$
 $(es; del; L)$
 $\Rightarrow (\forall e, e':\text{es-E}(es).$
 $\text{f-msg}\{\text{wanted}:\text{ut2}, \text{free}:\text{ut2}, z:\text{ut2}\}$
 $(es; L; e)$
 $\Rightarrow \text{f-msg}\{\text{wanted}:\text{ut2}, \text{free}:\text{ut2}, z:\text{ut2}\}$
 $(es; L; e')$
 $\Rightarrow (\text{es-sender}(es; e') = \text{es-sender}(es; e) \in \text{es-E}(es))$
 $\Rightarrow \text{qless}(\text{es-time}(es; e'); (\text{es-time}(es; e) + del)))$