

MODULE <i>AJupiterH</i>
EXTENDS <i>AJupiter</i>
VARIABLE <i>list</i> <i>varsH</i> $\triangleq \langle vars, list \rangle$  <i>TypeOKH</i> $\triangleq TypeOK \wedge (list \subseteq List)$
<i>InitH</i> $\triangleq Init \wedge list = \{InitState\}$  <i>DoH</i> ( <i>c</i> ) $\triangleq Do(c) \wedge list' = list \cup \{state'[c]\}$ <i>RevH</i> ( <i>c</i> ) $\triangleq Rev(c) \wedge list' = list \cup \{state'[c]\}$ <i>SRevH</i> $\triangleq SRev \wedge list' = list \cup \{state'[Server]\}$
<i>NextH</i> $\triangleq$ $\vee \exists c \in Client : DoH(c) \vee RevH(c)$ $\vee SRevH$  <i>FairnessH</i> $\triangleq$ $WF_{varsH}(SRevH \vee \exists c \in Client : RevH(c))$  <i>SpecH</i> $\triangleq InitH \wedge \Box[NextH]_{varsH} \wedge FairnessH$
<i>WLSpec</i> $\triangleq$ The weak list specification <i>Comm!EmptyChannel</i> no need to check <i>Compatible</i> at every state $\Rightarrow \forall l1, l2 \in list :$ $\wedge Injective(l1)$ no duplicate elements $\wedge Injective(l2)$ true due to our distinctness assumption $\wedge Compatible(l1, l2)$
THEOREM <i>SpecH</i> $\Rightarrow \Box WLSpec$
\ * Modification History \ * Last modified <i>Wed Jan 30 21:37:29 CST 2019</i> by anonymous \ * Created <i>Thu Aug 30 21:26:18 CST 2018</i> by anonymous