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- Module XJupiterH -
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    XJupiterH: XJupiter with a history of all list states across the system.
 6 EXTENDS XJupiter
    Variable list
    varsH \stackrel{\Delta}{=} \langle vars, list \rangle
     TypeOKH \triangleq TypeOK \land (list \subseteq List)
   InitH \triangleq Init \land list = \{InitState\}
    DoH(c) \stackrel{\triangle}{=} Do(c) \wedge list' = list \cup \{state'[c]\}
    RevH(c) \stackrel{\Delta}{=} Rev(c) \wedge list' = list \cup \{state'[c]\}
    SRevH \triangleq SRev \land list' = list \cup \{state'[Server]\}
20 ├
    NextH \stackrel{\triangle}{=}
21
          \lor \exists c \in Client : DoH(c) \lor RevH(c)
22
          \vee SRevH
23
    SpecH \triangleq InitH \wedge \Box [NextH]_{varsH} \wedge WF_{varsH}(NextH)
26 |
    Weak List Consistency (WLSpec)
     WLSpec \triangleq comm!EmptyChannel
30
                        \Rightarrow \forall l1, l2 \in list:
31
                              \land Injective(l1)
32
                              \land Injective(l2)
33
                              \land Compatible(l1, l2)
34
    THEOREM SpecH \Rightarrow WLSpec
    Strong List Consistency (SLSpec)
     \* Modification History
     \* Last modified Wed Oct 10 15:41:28 CST 2018 by hengxin
     \* Created Wed Oct 10 15:40:13 CST 2018 by hengxin
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