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- MODULE CJupiterH
1 [
     CJupiter with a history of all list states across the system.
5 EXTENDS CJupiter
    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{\Delta}{=} 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]\}
19 |---
    NextH \stackrel{\triangle}{=}
20
          \lor \exists c \in Client : DoH(c) \lor RevH(c)
21
          \vee SRevH
22
    SpecH \stackrel{\triangle}{=} InitH \land \Box [NextH]_{varsH} \land WF_{varsH}(SRevH \lor \exists c \in Client : RevH(c))
25 |
    WLSpec: the weak list specification
     WLSpec \triangleq Comm(Cop)!EmptyChannel
29
                         \Rightarrow \forall l1, l2 \in list:
30
                               \land Injective(l1)
31
                               \land Injective(l2)
32
                               \land Compatible(l1, l2)
33
    THEOREM SpecH \Rightarrow WLSpec
    SLSpec: the strong list specification
     \* Modification History
     \* Last modified Tue Dec 04 21:14:37 CST 2018 by hengxin
     \* Created Tue Oct 09 09:28:48 CST 2018 by hengxin
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