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1
                                                - MODULE XJupiterH -
 2 EXTENDS XJupiter
3 ⊦
    Variable list
     varsH \stackrel{\triangle}{=} \langle vars, list \rangle
     TypeOKH \triangleq TypeOK \land (list \subseteq List)
     InitH \stackrel{\triangle}{=} Init \wedge list = \{InitState\}
    DoH(c) \triangleq Do(c) \land 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]\}
16 |
    NextH \stackrel{\triangle}{=}
17
           \lor \exists c \in Client : DoH(c) \lor RevH(c)
18
           \vee SRevH
19
     FairnessH \triangleq
21
           \land \mathrm{WF}_{varsH}(SRevH \lor \exists \ c \in \mathit{Client} : RevH(c))
22
     SpecH \; \stackrel{\Delta}{=} \; InitH \wedge \Box [NextH]_{varsH} \; \wedge \mathit{FairnessH}
24
25
     WLSpec \stackrel{\triangle}{=} The weak list specification
26
          Comm!EmptyChannel
27
                     \Rightarrow \forall l1, l2 \in list:
28
                           \land Injective(l1)
29
                           \land Injective(l2)
30
                           \land Compatible(l1, l2)
31
    THEOREM SpecH \Rightarrow \square WLSpec
33
     \* Modification History
     \* Last modified Wed Feb 06 23:50:17 CST 2019 by hengxin
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