```
Note: This spec has been deprecated. It has done a simple task in a rather complicated way.done
    See the CSSync property defined in XJupiter.
    Specification of XJupiter with properties about 2D state spaces.
    EXTENDS XJupiter
11
    VARIABLES
          roid
                     roid[r]: the set of operations, represented by their oids,
14
                     that have been processed by replica r \in Replica
15
     varsSS \triangleq \langle vars, roid \rangle
17
     TypeOKSS \triangleq
19
          \land TypeOK
20
          \land roid \subseteq Oid
21
     InitSS \stackrel{\triangle}{=}
23
24
          \wedge Init
          \land [r \in Replica \mapsto \{\}]
25
     DoSS(c) \triangleq
27
             \wedge Do(c)
28
             \land roid' = [roid \ \texttt{EXCEPT} \ ![c] = @ \cup \{[c \mapsto c, \ seq \mapsto cseq'[c]]\}]
29
     RevSS(c) \triangleq
31
          \wedge Rev(c)
32
          \land UNCHANGED \langle roid \rangle
33
     SRevSS \triangleq
35
          \land SRev
36
          \wedge LET cop \stackrel{\triangle}{=} Head(sincoming)
37
                       roid' = [roid \ EXCEPT \ ![Server] = @ \cup \{cop.oid\}]
38
39 F
    The next-state relation.
    NextSS \triangleq
43
           \lor \exists c \in Client : DoSS(c) \lor RevSS(c)
44
          \lor SRevSS
45
    The SpecSS. (TODO: Check the fairness condition.)
    SpecSS \stackrel{\triangle}{=} InitSS \wedge \Box [NextSS]_{varsSS} \wedge WF_{vars}(NextSS)
```

Module XJupiterSS

**\\*** Modification History

\\* Last modified Thu Oct 11 18:00:45 CST 2018 by hengxin \\* Created Thu Oct 11 17:38:47 CST 2018 by hengxin