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— Module SetStateSpace -
1 [
    Set representation of state space, used by AbsJupiter.
5 EXTENDS JupiterCtx, JupiterSerial
    RECURSIVE xForm(\_, \_, \_, \_) Transform cop in state space ss at replica r \in Replica.
    xForm(NextCop(\_,\_,\_,\_),\ r,\ cop,\ ss) \triangleq \\ \text{Let } ctxDiff \triangleq ds[r] \setminus cop.ctx \ \text{ theorem}: cop.ctx \subseteq ds[r]
9
                RECURSIVE xFormHelper(\_, \_, \_)
10
                 xFormHelper(coph, ctxDiffh, xss) \stackrel{\Delta}{=} Return transformed xcop
11
                      IF ctxDiffh = \{\} THEN [xcop \mapsto coph, xss \mapsto xss] and new state space xss
12
                       ELSE LET fcoph \triangleq NextCop(r, coph, ss, ctxDiffh)
xcoph \triangleq COT(coph, fcoph)
13
14
                                    xfcoph \stackrel{\triangle}{=} COT(fcoph, coph)
15
                                       xFormHelper(xcoph, ctxDiffh \setminus \{fcoph.oid\},\
16
                                                                    xss \cup \{xcoph, xfcoph\})
17
                 \mathit{xFormHelper}(\mathit{cop}, \mathit{ctxDiff}, \mathit{ss} \cup \{\mathit{cop}\})
18
         IN
19
     \* Modification History
     \* Last modified Thu Jan 10 08:55:58 CST 2019 by hengxin
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