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MODULE SetStateSpace
Set representation of state space, used by AbsJupiter.
EXTENDS JupiterCtx
RECURSIVE xForm(_, _, _, _)  Transform cop in state space ss at replica r ∈ Replica.
xForm(NextCop(_, _, _, _), r, cop, ss) ≜
    LET ctxDiff ≜ ds[r] \ cop.ctx  THEOREM : cop.ctx ⊆ ds[r]
        RECURSIVE xFormHelper(_, _, _)
        xFormHelper(coph, ctxDiffh, xss) ≜   Return transformed xcop
            IF ctxDiffh = {} THEN [xcop ↦ coph, xss ↦ xss]  and new state space xss
            ELSE LET fcoph ≜ NextCop(r, coph, ss, ctxDiffh)
                     xcoph ≜ COT(coph, fcoph)
                     xfcoph ≜ COT(fcoph, coph)
                 IN  xFormHelper(xcoph, ctxDiffh \ {fcoph.oid},
                                 xss ∪ {xcoph, xfcoph})
    IN  xFormHelper(cop, ctxDiff, ss ∪ {cop})
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* Modification History
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