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1  |----- MODULE StateSpace -----|
  | The graph representation of  $n$ -ary ordered state spaces and  $2D$  state spaces used in CJupiter and XJupiter, respectively.
6  | EXTENDS JupiterCtx, GraphsUtil
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  | A state space is a directed graph with labeled edges. Each node is characterized by its context, a set of operations. Each edge is labeled with an operation.
13 IsSS( $G$ )  $\triangleq$ 
14    $\wedge$  IsGraph( $G$ )
15    $\wedge$   $G.node \subseteq (\text{SUBSET } Oid)$ 
16    $\wedge$   $G.edge \subseteq [from : G.node, to : G.node, cop : Cop]$ 
18 EmptySS  $\triangleq$  EmptyGraph
  |
  | Locate the node in a state space that matches the context ctx of cop.
23 Locate(cop, ss)  $\triangleq$  CHOOSE  $n \in ss.node : n = cop.ctx$ 
24 |-----|
  \ * Modification History
  \ * Last modified Wed Dec 19 18:35:13 CST 2018 by hengxin
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