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|----- MODULE MultiPaxos -----|
EXTENDS Integers, FiniteSets, Sequences

CONSTANTS Acceptors, Values

 $Maximum(S) \triangleq$  IF  $S = \{\}$  THEN  $-1$ 
                      ELSE CHOOSE  $n \in S : \forall m \in S : n \geq m$ 

 $Quorums \triangleq$   $\{Q \in \text{SUBSET } Acceptors : Cardinality(Q) * 2 > Cardinality(Acceptors)\}$ 

 $None \triangleq$  CHOOSE  $v : v \notin Values$ 

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VARIABLES ballot, 1amsgs, 1bmsgs, 2amsgs

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\ * Modification History
\ * Last modified Wed Jan 13 22:01:25 CST 2021 by Dell
\ * Created Wed Jan 13 20:45:35 CST 2021 by Dell

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