— MODULE SystemModel —

Constants and related definitions describing the system model of Jupiter protocols.

EXTENDS Naturals, Sequence Utils

CONSTANTS

Client, the set of client replicas
Server, the (unique) server replica
Msg, the set of messages

Char, the set of characters

InitState the initial state of each replica

ASSUME We assume that all inserted elements are unique.

 $Range(InitState) \cap Char = \{\}$ due to the uniqueness requirement

 $Replica \triangleq Client \cup \{Server\}$

 $List \stackrel{\triangle}{=} Seq(Char \cup Range(InitState))$ all possible lists

VARIABLES

 $cincoming(c]: \text{ incoming channel at the client } c \in \mathit{Client}$

sincoming incoming channel at the Server

$Comm \triangleq INSTANCE \ CSComm$

- ***** Modification History
- * Last modified Mon Jan 14 17:24:11 CST 2019 by hengxin
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