

```

|----- MODULE Message -----|
|
| EXTENDS Naturals
|
|-----|
|
| CONSTANT
|   Replica
|
| VARIABLE
|   messageSet
|
|-----|
|
| Msgid(m)  $\triangleq$  [r  $\mapsto$  m.r, seq  $\mapsto$  m.seq]
|
|-----|
|
| IfDeliverMsg(m, r)  $\triangleq$  Msgid(m)  $\in$  messageSet[r]
|
|-----|
|
| Minit  $\triangleq$  messageSet = [r  $\in$  Replica  $\mapsto$  {}]
|
| MBroadcast  $\triangleq$  UNCHANGED  $\langle$ messageSet $\rangle$ 
|
| MDeliver(r, m)  $\triangleq$ 
|   messageSet' = [messageSet EXCEPT ![r] = @  $\cup$  {Msgid(m)}]
|
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|
| \ * Modification History
| \ * Last modified Tue May 14 15:14:22 CST 2019 by zfwang
| \ * Last modified Mon May 06 15:29:41 CST 2019 by jiywellin
| \ * Last modified Sun Apr 21 18:45:44 CST 2019 by xhdn
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