

```

|----- 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)}] |
|-----|
| \ * Modification History |
| \ * Last modified Tue May 14 15:01:35 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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