─────────────────── MODULE *Interface* ───────────────────

EXTENDS *Naturals*
CONSTANTS *Replica*

$Aid \triangleq [r : Replica, seq : Nat]$ action id

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VARIABLES *seq* $seq[r]$: local sequence number for actions at replica $r \in Replica$
    incremented upon each action (*IntDo*, *IntSend*, and *IntDeliver*)

$IntTypeOK \triangleq seq \in [Replica \rightarrow Nat]$

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$IntInit \triangleq seq = [r \in Replica \mapsto 0]$

$IntDo(r) \triangleq seq' = [seq \text{ EXCEPT } ![r] = @ + 1]$

$IntSend(r) \triangleq seq' = [seq \text{ EXCEPT } ![r] = @ + 1]$

$IntDeliver(r) \triangleq seq' = [seq \text{ EXCEPT } ![r] = @ + 1]$

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\ * Modification History
\ * Last modified *Mon Jun* 17 12:22:50 *CST* 2019 by *xhdn*
\ * Created *Fri Jun* 07 21:46:19 *CST* 2019 by *xhdn*