─────────────── MODULE *CRDTInterface* ───────────────

EXTENDS *Naturals*
CONSTANTS *Replica*

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

───

VARIABLES   *seq*   seq[r]: local sequence number for actions at replica $r \in Replica$
incremented upon *IntDo* and *IntSend*

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

───

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

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

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

$IntDeliver(r) \triangleq \text{UNCHANGED } \langle seq \rangle$

───

\ * Modification History
\ * Last modified *Mon Aug* 26 17:04:33 *CST* 2019 by *xhdn*
\ * Created *Mon Jun* 17 14:58:23 *CST* 2019 by *xhdn*