LAMPORT LOGICAL (SCALAR) CLOCK

(Formal Definition as part of process *Pi*)

***Pi***::

**{STATE VARIABLES}**

T *tLClock*

**{EVENTS}**

**OnInit:**

*tLClock* = 0;

**OnInternalEvent:**

{LC1 Rule}

*tLClock* = *tLClock* + 1

**OnSend of <m>:**

{LC1 Rule}

*OnInternalEvent()*

{LC2 Rule}

*m* := *<m, tLClock>*

**OnReceive of <m, Lj>:**

{LC3 Rule}

*tLClock* := max(*tLClock*, *Lj*) + 1