
MODULE *InnerFIFO*

EXTENDS *Naturals, Sequences*

CONSTANT *Message*

VARIABLES *in, out, queue*

InChan \triangleq INSTANCE *Channel* WITH *Data* \leftarrow *Message*, *chan* \leftarrow *in*

OutChan \triangleq INSTANCE *Channel* WITH *Data* \leftarrow *Message*, *chan* \leftarrow *out*

TypeInvariant \triangleq

\wedge *InChan*! *TypeInvariant*

\wedge *OutChan*! *TypeInvariant*

\wedge *queue* \in *Seq(Message)*

Init \triangleq

\wedge *InChan*! *Init*

\wedge *OutChan*! *Init*

\wedge *queue* = $\langle \rangle$

\ * Modification History

\ * Last modified *Fri Feb 02 11:52:42 CET 2018* by *jordy*

\ * Created *Fri Feb 02 11:27:30 CET 2018* by *jordy*