
MODULE *SendInt1*

This is a specification of the same system described by module *SendInt2*, except without the variable *z*. Each value to be sent is nondeterministically chosen by the *Send* action that sends it.

EXTENDS *Integers*

$NotInt \triangleq \text{CHOOSE } n : n \notin Int$

VARIABLE *x*

$TypeOK \triangleq x \in Int \cup \{NotInt\}$

$Init \triangleq x = NotInt$

$Send \triangleq \begin{array}{l} \wedge x = NotInt \\ \wedge x' \in Int \end{array}$

$Rcv \triangleq \begin{array}{l} \wedge x \in Int \\ \wedge x' = NotInt \end{array}$

$Next \triangleq Send \vee Rcv$

$Spec \triangleq Init \wedge \Box[Next]_x$

* Modification History
* Last modified *Wed Oct 19 02:28:14 PDT 2016* by *lamport*
* Created *Tue Sep 06 02:11:16 PDT 2016* by *lamport*