EXTENDS Integers

CONSTANT Data

VARIABLES AVar, BVar

$$TypeOK \stackrel{\triangle}{=} \wedge AVar \in Data \times \{0, 1\}$$
$$\wedge BVar \in Data \times \{0, 1\}$$

$$vars \triangleq \langle AVar, BVar \rangle$$

$$\begin{array}{rl} \mathit{Init} & \stackrel{\Delta}{=} & \wedge \mathit{AVar} \in \mathit{Data} \times \{1\} \\ & \wedge \mathit{BVar} = \mathit{AVar} \end{array}$$

Send a value from A

Receive a value on B

$$B \triangleq \wedge AVar \neq BVar$$
$$\wedge BVar' = AVar$$
$$\wedge \text{ UNCHANGED } AVar$$

$$Next \triangleq A \lor B$$

$$Spec \stackrel{\triangle}{=} Init \wedge \Box [Next]_{\langle vars \rangle}$$

- \^* Last modified Sat Nov 16 19:34:13 CET 2019 by martin
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