```
EXTENDS TLC, Naturals

CONSTANT Data

VARIABLES val, rdy, ack

Init \triangleq \land val \in Data

\land rdy \in BOOLEAN

\land ack = rdy

Send \triangleq \land rdy = ack

\land val' \in Data

\land rdy' = 1 - rdy

\land UNCHANGED \ ack

\land ack' = 1 - ack

\land unchanged \ val, rdy \ sech \ se
```

Theorem $Spec \Rightarrow \Box Init$