─────────────────── MODULE *OneBitClock* ───────────────────

EXTENDS *Integers*

VARIABLE b

$TypeOK \triangleq b \in \{0, 1\}$

$Init1 \triangleq (b = 0) \lor (b = 1)$

$Next1 \triangleq \lor \land b = 0$
$\qquad\qquad \land b' = 1$
$\qquad\quad \lor \land b = 1$
$\qquad\qquad \land b' = 0$

$Next2 \triangleq b' = \text{IF } b = 0 \text{ THEN } 1 \text{ ELSE } 0$

$Next3 \triangleq b' = (b + 1)\%2$

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\ * Modification History

\ * Last modified *Thu* May 29 14:57:31 *CST* 2014 by *yaojingguo*

\ * Created *Mon* May 26 21:18:44 *CST* 2014 by *yaojingguo*

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