

EXTENDS *Integers*

```

*****
--algorithm TickTock2{
  variable b = 0;

  process ( TickTock ∈ {0, 1} )
  { t: while ( TRUE )
    { await b = self;
      b := (self + 1)%2
    }
  }
}
*****

```

BEGIN TRANSLATION

VARIABLE *b*

$vars \triangleq \langle b \rangle$

$ProcSet \triangleq (\{0, 1\})$

$Init \triangleq \text{Global variables}$
 $\wedge b = 0$

$TickTock(self) \triangleq \wedge b = self$
 $\wedge b' = (self + 1)\%2$

$Next \triangleq (\exists self \in \{0, 1\} : TickTock(self))$

$Spec \triangleq Init \wedge \Box [Next]_{vars}$

END TRANSLATION

\ * Modification History
 \ * Last modified Sat Jun 07 08:27:58 CST 2014 by yaojingguo
 \ * Created Sat Jun 07 08:25:45 CST 2014 by yaojingguo