

```

(*****
--algorithm_HSClock_{
  variable ca = [i \in 0..(N-1) | -> 0];

  process (Proc0 = 0)
    { t: while (TRUE)
      { await ca[0] = ca[N-1];
        ca[0] := ca[0](+)1
      }
    }

  process (Proc \in 1..(N-1))
    { t: while (TRUE)
      { await ca[self]#ca[self-1];
        ca[self] := ca[self](+)1
      }
    }
}

*****)

```