

# A Two Process Clock

```
--algorithm Clock {  
  variable  $b \in \{ \}$ ;  
  process ( $Tick = \text{"tick"}$ )  
    {  $i$ : while (TRUE) { await  $b = 0$  ;  
                                $b := 1$   
                                }  
    }  
  process ( $Tock = \text{"tock"}$ )  
    {  $o$ : while (TRUE) { await  $b = 1$  ;  
                                $b := 0$   
                                }  
    }  
}
```

```
--algorithm Clock_  
  variable  $b \in \{0, 1\}$ ;  
  process (Tick = "tick")  
    {  $i$ : while (TRUE) { await  $b = 0$  ;  
                                $b := 1$  ;  
                               }  
    }  
  process (Tock = "tock")  
    {  $o$ : while (TRUE) { await  $b = 1$  ;  
                                $b := 0$  ;  
                               }  
    }
```

CLOSE