

# The Module

MODULE *HS*

EXTENDS *Integers*

$$a \oplus b \triangleq (a + b) \% 2$$

```
(*****  
--algorithm Handshake{  
    variable  $p = 0, \ c = 0$ ;  
  
    process ( Producer = 0 )  
    {  $pe$ : while ( TRUE )  
        {      await  $p = c$  ;  
           $put$ : skip ;  
           $px$ :   $p := p \oplus 1$   }  
    }  
  
    process ( Consumer = 1 )  
    {  $ce$ : while ( TRUE )  
        {      await  $p \neq c$  ;  
           $get$ : skip ;  
           $cx$ :   $c := c \oplus 1$   }  
    }  
}  
*****)  
  
 $Alt \triangleq$  INSTANCE AltSpec WITH  $b \leftarrow p \oplus c$ 
```

[Here is the ASCII version.](#)

CLOSE