

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 ⊕ 1   }
    }

    process ( Consumer = 1 )
    { ce: while ( TRUE )
        {      await p ≠ c ;
          get: skip ;
          cx:  c := c ⊕ 1   }
    }
}
*****)
```

$$Alt \triangleq \text{INSTANCE } AltSpec \text{ WITH } b \leftarrow p \oplus c$$

[Here is the ASCII version.](#)

CLOSE