```
EXTENDS Integers, Sequences
Put(s) \stackrel{\triangle}{=} Append(s, "widget")
Get(s) \stackrel{\triangle}{=} Tail(s)
--algorithm Alternate{
    variable b = 0, box = \langle \rangle;
    process (Producer = 0)
      { p1: while ( TRUE )
               { await b = 0;
                 box := Put(box);
                 b := 1
    process ( Consumer = 1 )
      { c1: while (TRUE)
               { await b = 1;
                 box := Get(box);
                 b := 0
```