

The Bounded Channel in Pseudo-PlusCal

```
--algorithm BChan{
  variables  $in = \text{Input}$ ,  $out =$  the empty sequence ,  $ch =$  the empty sequence
  process (  $Send = 0$  ) {
     $s$ : while ( TRUE ) {
      await Length of  $ch \neq N$  ;
      append the first message in  $in$  to the end of  $ch$  ;
      remove the first message from  $in$  } }
  process (  $Rcv = 1$  ) {
     $r$ : while ( TRUE ) {
      await Length of  $ch \neq 0$  ;
      append the first message in  $ch$  to  $out$  ;
      remove the first message from  $ch$  } } }
```