The Bounded Channel in Pseudo-PlusCal

```
--algorithm BChan{
    variables in = Input, out = the empty sequence , ch = the empty sequence
    process ( Send = 0 ) {
        s: while ( TRUE ) {
            await Length of ch ≠ 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 ≠ 0 ;
            append the first message in ch to out ;
            remove the first message from ch  } } }
```