

```

-----MODULE_PCalBoundedChannel-----
EXTENDS_Integers,_Sequences

_
CONSTANT_Msg,_N

_
ASSUME_N_\in_Nat_\_0}

_
(*****
--algorithm_BChan_{
  _variable_ch=_<<_>>;
  _process_(Send=_ "S")
  _{s:_while_(TRUE)
    _{await_Len(ch)_#_N_;
    _with_(v_\in_Msg)_{ch:=_Append(ch,_v)}
    _}
  _}
  _process_(Rcv=_ "R")
  _{r:_while_(TRUE)
    _{await_Len(ch)_#_0_;
    _ch:=_Tail(ch)
    _}
  _}
_*****
=====

```