```
----- MODULE BoundedChannel ------
EXTENDS Integers , Sequences
CONSTANT Msg, N
ASSUME N.\in.Nat.\.{0}
Ш
--algorithm BChan {
....variable.ich.i=.i<<.i>;
□□□process□(Send□=□"S")
____{LLLL {_LS:_while, (TRUE)
UUUUUUUUU {uawaituLen(ch), #, N, ;
UUUUUUUUUWithu(vu\inuMsg)u{uchu:=uAppend(ch,uv)u}
1 || || || || |
| process | (Rcv = "R")
uuuuu{ur:uwhileu(TRUE)
uuuuuuuuuu{uawaituLen(ch),,#,,0,,;
uuuuuuuuuuchu:=uTail(ch)
_____}
11111
```