

```

-----MODULE BoundedChannel-----
EXTENDS Integers, Sequences
□
CONSTANT Msg, N
□
ASSUME N ∈ Nat \ {0}
□
VARIABLE ch
□
TypeOK == ch ∈ Seq(Msg)
□
Init == ch = <<>
□
Send == /\ Len(ch) < N
          /\ ∃ v ∈ Msg : ch' = Append(ch, v)
□
Rcv == /\ Len(ch) > 0
        /\ ch' = Tail(ch)
□
Next == Send /\ Rcv
□
Spec == Init /\ [] [Next] _<<ch>>
=====

```