```
----- MODULE NProcBoundedBuffer -----
EXTENDS Integers, Sequences, ISequences
CONSTANT N. Msg. Input
ASSUME | /\ |N | \in | Nat | \ | {0}
| Indicate | Indi
1.1
a_{11}(+)_{11}b_{11}==_{11}(a_{11}+_{11}b)_{11}\%_{11}2*N
a_{11}(-)_{11}b_{11}==_{11}(a_{11}-_{11}b)_{11}\%_{11}2*N
--algorithm NProcBBuf {
variables in = Input, out = << >>,
| fair process (Buffer \in 0..(N-1))
| | | | | | | | { | | b1: - | | | while | | (TRUE)
uuuuuuuuuuubuf[selfu%uN]u:=uIHead(in);
___p_(+)_1_;
____c_(+),1
____}
```