

```

process ( Producer = "P" )
{
  p1: while ( TRUE )
    { await  $p \ominus c \neq N$  ;
      p2:    $buf[p \% N] := IHead(in)$  ;
            $in := ITail(in)$  ;
      p3:    $p := p \oplus 1$ 
    }
}

```

```

fair process ( Consumer = "C" )
{
  c1: while ( TRUE )
    { await  $p \neq c$  ;
      c2:    $out := Append(out, buf[c \% N])$  ;
      c3:    $c := c \oplus 1$ 
    }
}

```