

```
EXTENDS Integers, Sequences
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```

Put(s) == Append(s, "widget")
Get(s) == Tail(s)
```

```

(*****
--algorithm Alternate{

    variable b = 0, box = <<>>;

    process (Producer = 0)
    {
        p1: while (TRUE)
        {
            await b = 0;
            box := Put(box);
            b := 1
        }
    }

    process (Consumer = 1)
    {
        c1: while (TRUE)
        {
            await b = 1;
            box := Get(box);
            b := 0
        }
    }
}

*****)
```