

```
EXTENDS Integers, Sequences
```

```

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

```

a(+)b == (a+b)%2
```

```

(*****
```

```
--algorithm Handshake{
```

```

    variable p=0, c=0, box=<>;
```

```

    process(Producer=0)
    {p1: while(TRUE)
    {await p=c;
    box:=Put(box);
    p:=p(+)-1
    }
    }
```

```

    process(Consumer=1)
    {c1: while(TRUE)
    {await p#c;
    box:=Get(box);
    c:=c(+)-1
    }
    }
```

```

*****
```