```
int buf, p = 0, c = 0;
process Producer {
  int a[n];
  while (p < n) {
    \langle await (p == c); \rangle
    buf = a[p];
    p = p+1;
  }
}
process Consumer {
  int b[n];
  while (c < n) \{
    \langle await (p > c); \rangle
    b[c] = buf;
    c = c+1;
  }
}
```

Figure 2.2 Copying an array from a producer to a consumer.

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