```
module BoundedBuffer
  op deposit(typeT), fetch(result typeT);
body
  process Buffer {
    typeT buf[n];
    int front = 0, rear = 0, count = 0;
    while (true)
      in deposit(item) and count < n ->
            buf[rear] = item;
            rear = (rear+1) mod n; count = count+1;
      [] fetch(item) and count > 0 ->
            item = buf[front];
            front = (front+1) mod n; count = count-1;
      ni
  }
end BoundedBuffer
```

Figure 8.5 Rendezvous implementation of a bounded buffer.