

```
1 public class SimpleBarrier implements Barrier { // incorrect
2     AtomicInteger count;
3     int size;
4     public SimpleBarrier(int n){
5         count = new AtomicInteger(n);
6         size = n;
7     }
8     public void await() {
9         int position = count.getAndDecrement();
10        if (position == 1) {
11            count.set(size);
12        } else {
13            while (count.get() != 0){};
14        }
15    }
16 }
```

FIGURE 18.3 An incorrect implementation of the SimpleBarrier class.