

```
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.