

```
1  public class SimpleTDBarrier implements TDBarrier {
2      AtomicInteger count;
3      public SimpleTDBarrier(int n){
4          count = new AtomicInteger(n);
5      }
6      public void setActive(boolean active) {
7          if (active) {
8              count.getAndIncrement();
9          } else {
10             count.getAndDecrement();
11         }
12     }
13     public boolean isTerminated() {
14         return count.get() == 0;
15     }
16 }
```

**FIGURE 18.12** A simple termination detection barrier.