

```
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.