

```
1 public class Prism {
2     private static final int duration = 100;
3     Exchanger<Integer>[] exchanger;
4     public Prism(int capacity) {
5         exchanger = (Exchanger<Integer>[]) new Exchanger[capacity];
6         for (int i = 0; i < capacity; i++) {
7             exchanger[i] = new Exchanger<Integer>();
8         }
9     }
10    public boolean visit() throws TimeoutException, InterruptedException {
11        int me = ThreadID.get();
12        int slot = ThreadLocalRandom.current().nextInt(exchanger.length);
13        int other = exchanger[slot].exchange(me, duration, TimeUnit.MILLISECONDS);
14        return (me < other);
15    }
16 }
```

FIGURE 12.24 The Prism class.