

```

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.