```java
public class WorkStealingThread {
  DEQue[] queue;
  public WorkStealingThread(DEQue[] queue) {
    this.queue = queue;
  }
  public void run() {
    int me = ThreadID.get();
    RecursiveAction task = queue[me].popBottom();
    while (true) {
      while (task != null) {
        task.compute();
        task = queue[me].popBottom();
      }
      while (task == null) {
        Thread.yield();
        int victim = ThreadLocalRandom.current().nextInt(queue.length);
        if (!queue[victim].isEmpty()) {
          task = queue[victim].popTop();
        }
      }
    }
  }
}
```

FIGURE 16.9 The WorkStealingThread class: a simplified work-stealing thread pool.