

```
1 public class RefinableCuckooHashSet<T> extends PhasedCuckooHashSet<T>{
2     AtomicMarkableReference<Thread> owner;
3     volatile ReentrantLock[][] locks;
4     public RefinableCuckooHashSet(int capacity) {
5         super(capacity);
6         locks = new ReentrantLock[2][capacity];
7         for (int i = 0; i < 2; i++) {
8             for (int j = 0; j < capacity; j++) {
9                 locks[i][j] = new ReentrantLock();
10            }
11        }
12        owner = new AtomicMarkableReference<Thread>(null, false);
13    }
14    ...
15 }
```

FIGURE 13.31 RefinableCuckooHashSet<T>: fields and constructor.