

```

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.