

```

22     public void resize() {
23         int oldCapacity = capacity;
24         for (Lock aLock : lock[0]) {
25             aLock.lock();
26         }
27         try {
28             if (capacity != oldCapacity) {
29                 return;
30             }
31             List<T>[] [] oldTable = table;
32             capacity = 2 * capacity;
33             table = (List<T>[] []) new List[2][capacity];
34             for (List<T>[] row : table) {
35                 for (int i = 0; i < row.length; i++) {
36                     row[i] = new ArrayList<T>(PROBE_SIZE);
37                 }
38             }
39             for (List<T>[] row : oldTable) {
40                 for (List<T> set : row) {
41                     for (T z : set) {
42                         add(z);
43                     }
44                 }
45             }
46         } finally {
47             for (Lock aLock : lock[0]) {
48                 aLock.unlock();
49             }
50         }
51     }

```

FIGURE 13.30 StripedCuckooHashSet class: the `resize()` method.