

```

4  public boolean remove(T item) {
5      int key = item.hashCode();
6      while (true) {
7          Node pred = head;
8          Node curr = head.next;
9          while (curr.key < key) {
10             pred = curr; curr = curr.next;
11         }
12         pred.lock();
13         try {
14             curr.lock();
15             try {
16                 if (validate(pred, curr)) {
17                     if (curr.key == key) {
18                         curr.marked = true;
19                         pred.next = curr.next;
20                         return true;
21                     } else {
22                         return false;
23                     }
24                 }
25             } finally {
26                 curr.unlock();
27             }
28         } finally {
29             pred.unlock();
30         }
31     }
32 }

```

FIGURE 9.17 The LazyList class: The remove() method removes nodes in two steps, logical and physical.