

```
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.