```
1  public class CoarseList<T> {
2    private Node head;
3    private Lock lock = new ReentrantLock();
4    public CoarseList() {
5      head = new Node(Integer.MIN_VALUE);
6      head.next = new Node(Integer.MAX_VALUE);
7    }
8    public boolean add(T item) {
9      Node pred, curr;
10     int key = item.hashCode();
11     lock.lock();
12     try {
13       pred = head;
14       curr = pred.next;
15       while (curr.key < key) {
16         pred = curr;
17         curr = curr.next;
18       }
19       if (key == curr.key) {
20         return false;
21       } else {
22         Node node = new Node(item);
23         node.next = curr;
24         pred.next = node;
25         return true;
26       }
27     } finally {
28       lock.unlock();
29     }
30   }
```

FIGURE 9.4 The CoarseList class: the add() method.