

```
1  boolean contains(T x) {
2      int bottomLevel = 0;
3      int key = x.hashCode();
4      Node<T> pred = head;
5      Node<T> curr = null;
6      for (int level = MAX_LEVEL; level >= bottomLevel; level--) {
7          curr = pred.next[level].getReference();
8          while (curr.key < key) {
9              pred = curr;
10             curr = pred.next[level].getReference();
11         }
12     }
13     return curr.key == key;
14 }
```

FIGURE 14.17 The LockFreeSkipList class: an *incorrect* contains().