

```
17  public boolean contains(T x) {
18      acquire(x);
19      try {
20          int myBucket = x.hashCode() % table.length;
21          return table[myBucket].contains(x);
22      } finally {
23          release(x);
24      }
25  }
26  public boolean add(T x) {
27      boolean result = false;
28      acquire(x);
29      try {
30          int myBucket = x.hashCode() % table.length;
31          if (! table[myBucket].contains(x)) {
32              table[myBucket].add(x);
33              result = true;
34              setSize.getAndIncrement();
35          }
36      } finally {
37          release(x);
38      }
39      if (policy())
40          resize();
41      return result;
42  }
```

FIGURE 13.2 BaseHashSet<T> class: the contains() and add() methods hash the item to choose a bucket.