

```
13 public boolean add(T x) {  
14     int myBucket = BucketList.hashCode(x) % bucketSize.get();  
15     BucketList<T> b = getBucketList(myBucket);  
16     if (!b.add(x))  
17         return false;  
18     int setSizeNow = setSize.getAndIncrement();  
19     int bucketSizeNow = bucketSize.get();  
20     if (setSizeNow / bucketSizeNow > THRESHOLD)  
21         bucketSize.compareAndSet(bucketSizeNow, 2 * bucketSizeNow);  
22     return true;  
23 }
```

FIGURE 13.18 LockFreeHashSet<T> class: add() method.