```
1   public class LockFreeHashSet<T> {
2     protected BucketList<T>[] bucket;
3     protected AtomicInteger bucketSize;
4     protected AtomicInteger setSize;
5     public LockFreeHashSet(int capacity) {
6       bucket = (BucketList<T>[]) new BucketList[capacity];
7       bucket[0] = new BucketList<T>();
8       bucketSize = new AtomicInteger(2);
9       setSize = new AtomicInteger(0);
10    }
11    ...
12  }
```

FIGURE 13.17 LockFreeHashSet<T> class: fields and constructor.