```
public class RecursiveBag<T> implements Bag<T> {

   private T first;
   private RecursiveBag<T> rest;

   public RecursiveBag() {
      first = null;
      rest = null;
   }

   public boolean add(T newEntry)
   {
      if (first == null) {
         first = newEntry;
      } else if (rest == null) {
         rest = new RecursiveBag<T>();
         rest.add(newEntry);
      } else
         rest.add(newEntry);
      return true;
   }

   public int getFrequencyOf(T anEntry) {
      if (first == null) {
         return 0;
      }

      int countForRest = 0;
      if (rest != null) {
         countForRest = rest.getFrequencyOf(anEntry);
      }

      if (first.equals(anEntry)) {
         return 1 + countForRest;
      } else {
         return countForRest;
      }
   }
}
```