```java
1  public class SimpleLinear<T> implements PQueue<T> {
2    int range;
3    Bin<T>[] pqueue;
4    public SimpleLinear(int myRange) {
5      range = myRange;
6      pqueue = (Bin<T>[])new Bin[range];
7      for (int i = 0; i < pqueue.length; i++){
8        pqueue[i] = new Bin();
9      }
10   }
11   public void add(T item, int key) {
12     pqueue[key].put(item);
13   }
14   public T removeMin() {
15     for (int i = 0; i < range; i++) {
16       T item = pqueue[i].get();
17       if (item != null) {
18         return item;
19       }
20     }
21     return null;
22   }
23 }
```

FIGURE 15.2 The SimpleLinear class: add() and removeMin() methods.