







14. Continuing with our examples of `ListIterator`, crank up a method that replaces all the occurrences of a value in a list for another value. Your method should have the signature:

```
public static <E> void replace(List<E> list, E val, E newVal)
```

15. How to code a method that deals a deck of cards? That is, this program receives a list of cards plus a hand size  $n$ , removes  $n$  elements from the deck, and returns these  $n$  elements. Use the following signature:

```
public static <E> List<E> dealHand(List<E> deck, int n)
```

16. What does the following program do? What is its time complexity?

```
static <E> List<E> heapSort(Collection<E> c) {  
    Queue<E> queue = new PriorityQueue<E>(c);  
    List<E> result = new ArrayList<E>();  
    while (!queue.isEmpty())  
        result.add(queue.remove());  
    return result;  
}
```

17. Implement a program that counts the frequency of each word in the argument line, and then prints the frequency in alphabetical order.