

```
// The comment before each method is the EXACT documentation you would find
// in the Oracle online java API documentation
```

```
// ArrayList questions:
```

```
public static void mystery42(ArrayList<Integer> list) {
    for (int i = list.size() - 1; i > 0; i--) {
        // Returns the element at the specified position in this list.
        int a = list.get(i);
        // Replaces the element at the specified position in this list
        // with the specified element.
        list.set(i-1, a);
    }
}
```

```
// Set questions:
```

```
public static void mystery43(Set<Integer> set) {
    for (int i = set.size() - 1; i > 0; i--) {
        // Removes the specified element from this set if it is present
        boolean a = set.remove(i);
        // Adds the specified element to this set if it is not already present
        set.add(i-1);
    }
}
```

```
// Map questions:
```

```
public static void mystery44(Map<Integer,String> map) { // <Key,Value>
    for (int i = map.size() - 1; i > 0; i--) {
        // Removes the mapping for this key from this TreeMap if present.
        String a = map.remove(i);
        // Associates the specified value with the specified key in this map.
        map.put(i-1, a);
    }
}
```