19.5：

public class code19\_5 {

public static <E extends Comparable<E>> E max(E[] list) {

E max = list[0];

for(E i:list) {

if(i.compareTo(max) > 0)

max = i;

}

return max;

}

public static void main(String args[]) {

Integer[] list = {1, 2, 4, 3, 6, 1, 5};

System.out.println("数组:");

for(int i : list)

System.out.printf(i + " ");

System.out.println();

System.out.println("最大值为: " + max(list));

}

}

运行结果：

数组:

4 5 1 8 3 7 9

最大值为: 9

19.8：

import java.lang.Math;

import java.util.ArrayList;

public class code19\_8 {

public static <E> void shuffle(ArrayList<E> list) {

for(int i = 0; i < list.size(); i++) {

int index = (int)(Math.random() \* list.size());

E temp = list.get(index);

list.set(index, list.get(i));

list.set(i, temp);

System.out.println(index);

}

}

public static void main(String[] args) {

ArrayList<Integer> list = new ArrayList<Integer>();

int[] numbers = {1,2,3,4,5,6};

for(int i : numbers) {

list.add(i);

}

System.out.println("打乱前:");

System.out.println(list);

shuffle(list);

System.out.println("打乱后:");

System.out.println(list);

}

}

运行结果：

打乱前:

[1, 2, 3, 4, 5, 6, 7]

打乱后:

[3, 2, 4, 1, 7, 6, 5]