



```
public static int[] bubbleSort(int[] field) {  
    Random r = new Random();  
  
    while (!isFinished(field)) {  
        int a = r.nextInt(field.length);  
        int b = r.nextInt(field.length);  
  
        int temp = field[a];  
        field[a] = field[b];  
        field[b] = temp;  
    }  
  
    return field;  
}  
  
public static boolean isFinished(int[] field) {  
    for (int i = 0; i < field.length - 1; i++) {  
        if (field[i] > field[i + 1]) {  
            return false;  
        }  
    }  
  
    return true;  
}
```