



```
public static int[] bogoSort(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;
```

```
}
```