Specification

Input:

T[i] – i-th element of an array **T** composed of **n** random numbers
i, j – loop numeric variables (positive integers)
howMany – the size of the collection to be sorted

Output:

T [i] – i-th element of an array **T** composed of **n** integers ordered in ascending order

Step list

1. START
2. Read array T [i]
3. Start at i := 0, end at i := howMany – 1, follow **the steps 4 – 7.**
4. temp := T [i]
5. j := i + 1
6. While j < howMany – 1, follow **steps 6.1 or 6.2**.
   - 6.1. If T [j] < temp, follow **the steps 6.1.1 – 6.1.4**. In the other way go to **step 6.2.**
     - 6.1.1. T [i] = T [j]
     - 6.1.2. T [j] = temp
     - 6.1.3. temp = T [i]
     - 6.1.4. j := j + 1
   - 6.2. j := j + 1
7. i := i + 1
8. Write T [i]
9. STOP