**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**.
   1. If T [ j ] < temp, follow **the steps 6.1.1 – 6.1.4**. In the other way go to **step 6.2.**
      1. T [ i ] = T [ j ]
      2. T [ j ] = temp
      3. temp = T [ i ]
      4. j := j + 1
   2. j := j + 1
7. i := i + 1
8. Write T [ i ]
9. STOP