**function** BubbleSort(*vector)*

*n* 🡨 **LENGTH**[*vector*]

**for** 1 *<= i <= n* – 1 **do**

*count 🡨 0*

**for** 1 *<= j <= n* -1 **do**

if *vector[j + 1] < vector[j]* **then**

Swap(*vector, j, j+1*)

*count 🡨 count* +1

**end if**

**end for**

**if** *count* = 0 **then**

**break**

**end if**

**end for**

**return** *vector*

**end function**