

**algorithm** BubbleSort

**input** list

sorted = False

**while** sorted == False:

        num\_swaps = 0

**for** i = 1 to list.count - 1

**if** list[i-1] > list[i] **then**

                tmp = list[i-1]

                list[i-1] = list[i]

                list[i] = tmp

                num\_swaps = num\_swaps + 1

**end if**

**end for**

**if** num\_swaps == 0 **then**

            sorted = True

**else**

            sorted = False

**end if**

**end while**

**output** list

**end** BubbleSort