procedure bubbleSort( list : array of items )

loop = list.count;

for i = 0 to loop-1 do:

swapped = false

for j = 0 to loop-1 do:

/\* compare the adjacent elements \*/

if list[j] > list[j+1] then

/\* swap them \*/

swap( list[j], list[j+1] )

swapped = true

end if

end for

/\*if no number was swapped that means

array is sorted now, break the loop.\*/

if(not swapped) then

break

end if

end for

end procedure return list