Algo for Bubble Sort

Assume that we have a list of n numbers. Arrange the elements in ascending order

Step 1: Check if the first element in input Array is greater than the next element

Step 2: If it is greater, swap the two elements else move the pointer to the next element

Step 3: Repeat Step 2 until we reach to the end of Array

Step 4: Check if all the ellements are sorted, otherwise repeat from Step 1 to Step 3

Step 5: We should get the sorted Array

Pseudcode

Procedure BubbleSort(array, M)

array - list of the elements to be sorted

M - size of the input Array

begin

FOR i = 0 top M-1 DO

FOR j = 0 to M-1-i DO

IF array[j] > array[j+1] THEN

swap array[j] and array[j+1]

END IF

END FOR

END FOR

