$\overline{ {\bf Algorithm} \ {\bf 1} \ {\bf Bubble} \ {\bf Sort} }$

```
1: procedure BUBBLESORT(A, n)
2: for i \leftarrow 0 to n - 1 do
3: for j \leftarrow 0 to n - 1 - i do
4: if A[j] > A[j + 1] then
5: Swap A[j] and A[j + 1]
6: end if
7: end for
8: end for
9: end procedure
```