

# INSERTION-SORT(A)

1.     **for**  $j = 2$  **to**  $A.length()$
2.          $key = A[j]$
3.          $i = j - 1$
4.         **while**  $i > 0$  and  $A[i] > key$
5.              $A[i+1] = A[i]$
6.              $i = i - 1$
7.          $A[i+1] = key$