

INSERTION-SORT(A)

```
1  for  $j \leftarrow 2$  to  $\text{length}[A]$ 
2      do  $\text{key} \leftarrow A[j]$ 
3           $i \leftarrow j-1$ 
4          while  $i > 0$  and  $A[i] > \text{key}$ 
5              do  $A[i+1] \leftarrow A[i]$ 
6                   $i \leftarrow i-1$ 
7           $A[i+1] \leftarrow \text{key}$ 
```