

阿里斯顿即开发

INSERTION-SORT( $A$ )

```
1  for  $j \leftarrow 2$  to  $\text{length}[A]$ 
2      do  $\text{key} \leftarrow A[j]$ 
3           $\triangleright$  Insert  $A[j]$  into the sorted sequence  $A[1..j-1]$ .
4       $i \leftarrow j - 1$ 
5      while  $i > 0$  and  $A[i] > \text{key}$ 
6          do  $A[i+1] \leftarrow A[i]$ 
7               $i \leftarrow i - 1$ 
8       $A[i+1] \leftarrow \text{key}$ 
```