

INSERTION-SORT(A, n)

```
1  for  $i = 2$  to  $n$ 
2       $key = A[i]$ 
3      // 将 $A[i]$ 插入到已排好序的子数组 $A[1 : i - 1]$ .
4       $j = i - 1$ 
5      while  $j > 0$  and  $A[j] > key$ 
6           $A[j + 1] = A[j]$ 
7           $j = j - 1$ 
8       $A[j + 1] = key$ 
```