

```
for  $i = 2$  to  $n$   
     $key = A[i]$   
     $j = i + 1$   
    while  $j < n + 1$  and  $A[j] > key$   
         $A[j - 1] = A[j]$   
         $j = j + 1$   
     $A[j - 1] = key$ 
```