

INSERTION-SORT(A, n)

1. **if** $n = 1$
2. **return**
3. INSERTION-SORT($A, n - 1$)
4. $key = A[i]$
5. $j = i - 1$
6. **while** $j > 0$ and $A[j] > key$
7. $A[j + 1] = A[j]$
8. $j = j - 1$
9. $A[j + 1] = key$