```
\begin{split} \text{INSERTION-SORT}(A) \\ \text{for } j &= 2 \text{ to } A.\text{length} \\ \text{key} &= A[j] \\ \text{i} &= j - 1 \\ \text{while } \text{i} &> 0 \text{ and } A[i] < \text{key} \\ A[i+1] &= A[i] \\ \text{i} &= \text{i-1} \\ A[i+1] &= \text{key} \end{split}
```