```
ALGORITHM SelectSort(A [0..n - 1])
       // Selection sort algorithm.
                                                                                      \left. \begin{array}{c} \left. \begin{array}{c} \\ \end{array} \right\} O\left( 1 \right) \end{array} \right\} O\left( n \right) \\ \left. \begin{array}{c} \\ \end{array} \right\} O\left( n^2 \right) \\ \end{array} 
       for i \leftarrow 0 to n-1 do
             SmallSub \leftarrow i
             for j \leftarrow i+1 to n-1 do
                  if A[j] < A[SmallSub] then
                       SmallSub \leftarrow j
             temp \leftarrow A[i]
 9
             A[SmallSub] \leftarrow temp
11
       {\bf return}\ A
12
       ALGORITHM SelectSort(A [0..n - 1])
       // Selection sort algorithm.
       for i \leftarrow 0 to n-1 do
                                                                                      \left. \begin{array}{c} \left. \right\} O\left(1\right) \\ \end{array} \right\} O\left(n\right) \\ \left. \begin{array}{c} O\left(n^2\right) \\ \end{array} \right. 
             SmallSub \leftarrow i
             for j \leftarrow i+1 to n-1 do
                  if A[j] < A[SmallSub] then
                       SmallSub \leftarrow j
             temp \leftarrow A[i]
 9
             A[SmallSub] \leftarrow temp
10
11
       \mathbf{return}\ A
12
```