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```
Input: An array 'A' of n comparable items
Output: The array 'A' with elements in non-decreasing order

SelectionSort(A)
  for i \( \infty \) to n-2 do
    //Insert smallest item in 0<sup>th</sup> slot, 2<sup>nd</sup> smallest in 1<sup>st</sup>, etc.
    min \( \infty \) i
    for j \( \infty \) i+1 to j \( <= n-1 \) do
        if \( (A[j] \) < A[min] \)
            min \( \infty \) swap A[i] and A[min].

What is the complexity of Selection Sort?

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```