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# Bubble sort → Statements

Easy 1 minute

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- ☐ The worst-case time complexity is  $O(n \log n)$  where  $n$  is the array length.
- ☒ If an array must be sort in the ascending order, the wrong order is the case when the previous element is greater than the next one.
- ☒ The algorithm is **stable**.
- ☐ The algorithm needs an additional array of the same size as the input array.

Correct.

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