

Merge sort → Statements

Medium

🕒 1 minute

?

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- ☒ The **merge** operation takes two sorted arrays and produces a new sorted array containing all elements from both input array.
- ☐ The bottom-up implementation recursively divides the given array into two subarrays until there is only 1-element subarray remaining.
- ☐ Merge sort is **unstable**.
- ☒ The worst-case time complexity is $O(n \log n)$ where **n** is the length of the input array.

✓ Correct.

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