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Quick sort → Statements

 Hard  2 minutes 

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- ☐ If we use the rightmost element as the pivot, the worst-case time complexity is $O(n \log n)$.
- ☐ **Partition** is an operation that merges two subarrays separated by pivot.
- ☒ The best pivot is the median element of an array.
- ☒ When we have chosen a pivot and rearranged an array, the pivot is in its final position.
- ☒ After the algorithm has performed the partitioning, the subarrays on both sides of the pivot may be unsorted.

✓ Correct.

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