

Algorithms → Sorting algorithms → [Quick sort](#)

Quick sort → Mysterious numbers

 Hard  2 minutes 

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Someone uses **quicksort** to sort an array of ints in the ascending order.

Suppose we do not know the original order in the array and the partition strategy.

Select all possible orders of elements after the partition operation if the pivot was 2.

 Report a typo

↵ Select one or more options from the list

- ☒ 1, 1, 1, 1, 1, 2, 2, 2, 2, 3, 4, 3, 3, 4
- ☒ 1, 1, 1, 1, 1, 2, 2, 3, 2, 3, 4, 2, 3, 4
- ☒ 1, 2, 1, 1, 2, 2, 1, 1, 2, 3, 4, 3, 3, 4
- ☐ 1, 2, 3, 4, 2, 2, 1, 1, 2, 3, 4, 3, 1, 2
- ☐ 1, 2, 1, 3, 1, 4, 2, 3, 2, 1, 4, 1, 3, 2

✓ Correct.

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