

Quick Navigation

★★★★★

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Approach #1 Sorting [Accepted]

Initiation

If `nums` were in order, it would be easy to see which number is missing.

Algorithm

First, we sort `nums`. Then, we check the two special cases that can be handled in constant time - ensuring that 0 is at the beginning and that `n` is at the end. Given that those exceptions hold, the missing number must somewhere between (but not including) 0 and `n`. To find it, we ensure that the number we expect to be at each index is indeed there. Because we handled the edge cases, this is simply the previous number plus 1. Thus, as soon as we find an unexpected number, we can simply return the expected number.

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