



57. Insert Interval

Medium

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Hint

You are given an array of non-overlapping intervals `intervals` where `intervals[i] = [starti, endi]` represent the start and the end `starti`. You are also given an interval `newInterval = [start, end]` that represents the start and end of another interval.

Insert `newInterval` into `intervals` such that `intervals` is still sorted in ascending order by `starti` and `intervals` still does not have

Return `intervals` after the insertion.

Note that you don't need to modify `intervals` in-place. You can make a new array and return it.

Example 1:

Input: `intervals = [[1,3],[6,9]]`, `newInterval = [2,5]`

Output: `[[1,5],[6,9]]`

Example 2:

Input: `intervals = [[1,2],[3,5],[6,7],[8,10],[12,16]]`, `newInterval = [4,8]`

Output: `[[1,2],[3,10],[12,16]]`

Explanation: Because the new interval `[4,8]` overlaps with `[3,5]`, `[6,7]`, `[8,10]`.

Constraints:

- `0 <= intervals.length <= 104`

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