

1288. Remove Covered Intervals

Medium

Given a list of `intervals`, remove all intervals that are covered by another interval in the list.

Interval `[a,b)` is covered by interval `[c,d)` if and only if `c <= a` and `b <= d`.

After doing so, return *the number of remaining intervals*.

Example 1:

Input: `intervals = [[1,4],[3,6],[2,8]]`

Output: 2

Explanation: Interval `[3,6]` is covered by `[2,8]`, therefore it is removed.

Example 2:

Input: `intervals = [[1,4],[2,3]]`

Output: 1

Example 3:

Input: `intervals = [[0,10],[5,12]]`

Output: 2

Example 4:

Input: `intervals = [[3,10],[4,10],[5,11]]`

Output: 2

Example 5:

Input: `intervals = [[1,2],[1,4],[3,4]]`

Output: 1

Constraints:

- `1 <= intervals.length <= 1000`
- `intervals[i].length == 2`
- `0 <= intervals[i][0] < intervals[i][1] <= 105`
- All the intervals are **unique**.