Given a collection of intervals, find the minimum number of intervals you need to remove to make the rest of the intervals non–overlapping.

Note:

1. You may assume the interval's end point is always bigger than its start point.
2. Intervals like [1,2] and [2,3] have borders "touching" but they don't overlap each other.

Example 1:

Input: [[1,2], [2,3], [3,4], [1,3]]

Output: 1

Explanation: [1,3] can be removed and the rest of intervals are non-overlapping.

Example 2:

Input: [[1,2], [1,2], [1,2]]

Output: 2

Explanation: You need to remove two [1,2] to make the rest of intervals non-overlapping.

Example 3:

Input: [[1,2], [2,3]]

Output: 0

Explanation: You don't need to remove any of the intervals since they're already non-overlapping