56. Merge Intervals

题目描述：https://leetcode.com/problems/merge-intervals/

> 区间合并

解题思路：

注意sort中compare函数的写法

代码：

```
/**
 * Definition for an interval.
 * struct Interval {
 *     int start;
 *     int end;
 *     Interval() : start(0), end(0) {}
 *     Interval(int s, int e) : start(s), end(e) {}
 * };
 */
class Solution {
public:
    vector<Interval> merge(vector<Interval>& intervals) {
        if(intervals.size() == 0) return {};
        sort(intervals.begin(), intervals.end(), [](Interval a, Interval b) {
            if(a.start == b.start) return a.end < b.end;
            return a.start < b.start;
        });
        vector<Interval> res;
        int l = intervals[0].start, r = intervals[0].end;
        for(int i = 1; i < intervals.size(); i++) {
            if(intervals[i].start <= r) {
                l = min(l, intervals[i].start);
                r = max(r, intervals[i].end);
            }
            else {
                res.push_back(Interval(l, r));
                l = intervals[i].start;
                r = intervals[i].end;
            }
        }
        res.push_back(Interval(l, r));
        return res;
    }
};
```