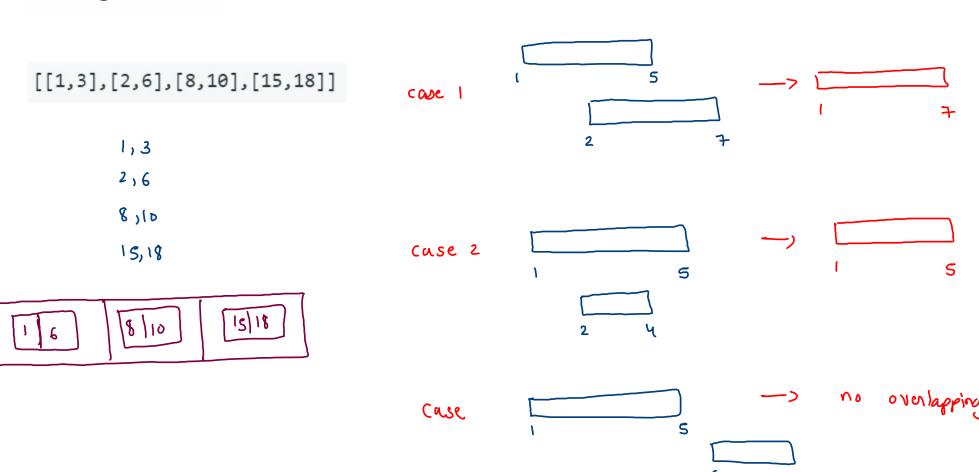
## 56. Merge Intervals



```
public int[][] merge(int[][] intervals) {
    ArrayList<int[]>ans = new ArrayList<>();
   Arrays.sort(intervals, (a,b) -> {
                                                                                           2
                                                                              2 d
                                                             intovals
        return a[0] - b[0];
    });
                                                                                           8
                                                                                               16
    ans.add(intervals[0]);
                                                                                               18
                                                                                          15
    int i = 1;
    while(i < intervals.length) {</pre>
        int li = ans.size()-1;
        if(intervals[i][0] <= ans.get(li)[1]) {</pre>
                                                                                                                            AL <[7>
                                                                                              8/10
                                                                                                             13/18
                                                                                 [¹| 6
            ans.get(li)[1] = Math.max(ans.get(li)[1],intervals[i][1]); ans
        else {
                                                                                                              li
            ans.add(intervals[i]);
        i++;
    int[][]fres = new int[ans.size()][2];
                                                                               2 &
   fres = ans.toArray(fres);
    return fres;
```

rcs

10

18

15

## Minimum Platforms

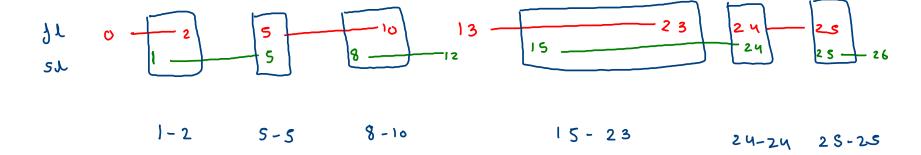
2228 (:82822) 28

max no- of trains at any instant = min no. of pladjorms

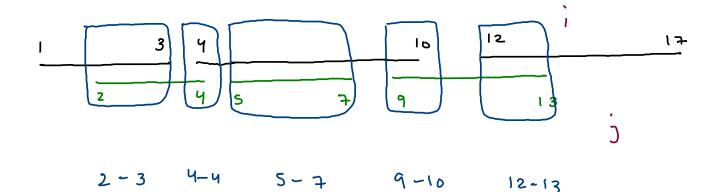
ij ( arr [i] < dep[j]) ?

## 986. Interval List Intersections

```
Input: firstList = [[0,2],[5,10],[13,23],[24,25]],
secondList = [[1,5],[8,12],[15,24],[25,26]]
```



list\_1: [[1,3] [5,10] [12,17]] list\_2: [[2,4] [5,7] [9,13]] sp = max (s1, s2)
ep = min (e1, e2)



9,10

2,3

4,4

5, 7