

```

import java.util.Arrays;

import java.util.TreeMap;

public class Solution {

    public int JobScheduling(int[] startTime,int[] endTime,int[] profit){

        int n=startTime.length;

        int[][] jobs=new int[n][3];

        for (int i=0;i<n;i++){

            jobs[i]=new int[]{startTime[i],endTime[i],profit[i]};

        }

        Arrays.sort(jobs,(a,b)-> a[1]-b[1]);

        TreeMap<Integer,Integer> dp=new TreeMap<>();

        dp.put(0, 0);

        for(int[] job:jobs){

            int val=job[2]+dp.floorEntry(job[0]).getValue();

            if(val>dp.lastEntry().getValue()){

                dp.put(job[1],val);

            }

        }

        return dp.lastEntry().getValue();

    }

}

```