

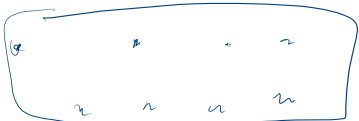
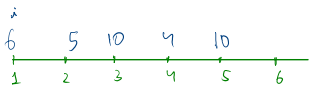
Given a set of n jobs where each job has a deadline and profit associated with it.
Each job takes 1 unit of time to complete and only one job can be scheduled at a time. We earn the profit associated with job i and only if the job is completed by its deadline.
Find the number of jobs done and the maximum profit.

Out of 3
10
26

Deadline	Profit
5	10
3	10
1	5
2	5
5	4
4	3
5	2
6	2

```
int cnt = 0;
int totalProfit = 0;

for (Job j : arr) {
    int deadline = j.deadline;
    int profit = j.profit;
    // while (deadline > 0 && days[deadline] != 0) deadline--;
    for (int i = deadline; i >= 1; i--) {
        if (days[i] == 0) { // i am doing no job on the i-th day
            // i will do current job here
            days[i] = profit;
            cnt++;
            totalProfit += profit;
            break;
        }
    }
}
```



(a, b)

{5 2 3 4 2 6 7}

max = -∞

