PW SKILLS

Job Ids	1	2	3	4	5	6	7	8	9
Deadline	5	2	1	3	2	1	4	5	3
Profit	55	65	75	60	70	50	85	68	45

Constraint → Jobs needs to be completed before or exactly on the deadline.

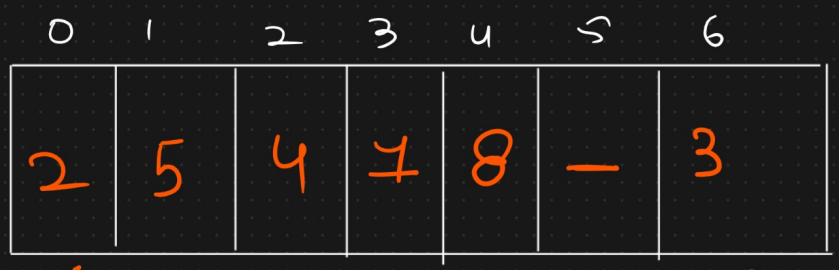
Optimisation → Maximum Profit

1. Sort the jobs according to the Profit (Decreasing order)

Job Ids	7	3	5	8	2	4	1	6	9
Deadline	4	7	2	5	2	3	5	1	3
Profit	85	75	70	68	65	60	55	50	45

Decreasing Sorted Profit

(2)



Job Ids

n = 7

↓

MaxDeadline

Result

T F T F F F F F T

T T T

↓

↳ to track alloted slots

MaxProfit

6

min(maxDeadline - 1,

arr(i).get. deadline - 1)

3