Job Sequencing

Jobs	J_1	J_2	J_3	J_4	J_5	J_6	J_7	J_8	J_9
Profit	55	65	75	60	70	50	85	68	45
Deadline	5	2	7	3	2	1	4	5	3

(Maximize Profit) ← Objective

↳ Optimization Problem

Job completion time ≤ = Deadline

Assignments / Stats

- ML → 2 Days
- DL → 7 Days
- Matrix → 10 Days
- Stats → 9 Days
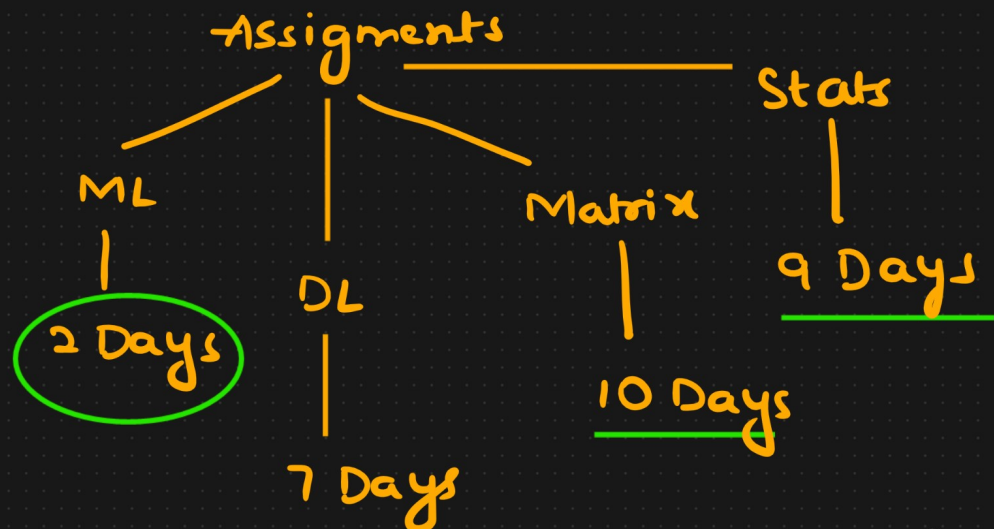
1) Sort the data on the basis of profit (Descending Order)

1	2	3	4	5	6	7
J_2	J_5	J_4	J_7	J_8	—	J_3

0	1	2	3	4	5	6	7	8
J_7	J_3	J_5	J_8	J_2	J_4	J_1	J_6	J_9
85	75	70	68	65	60	55	50	45
4	7	2	5	2	3	5	1	3

2) Traverse & allocate jobs in reverse order