

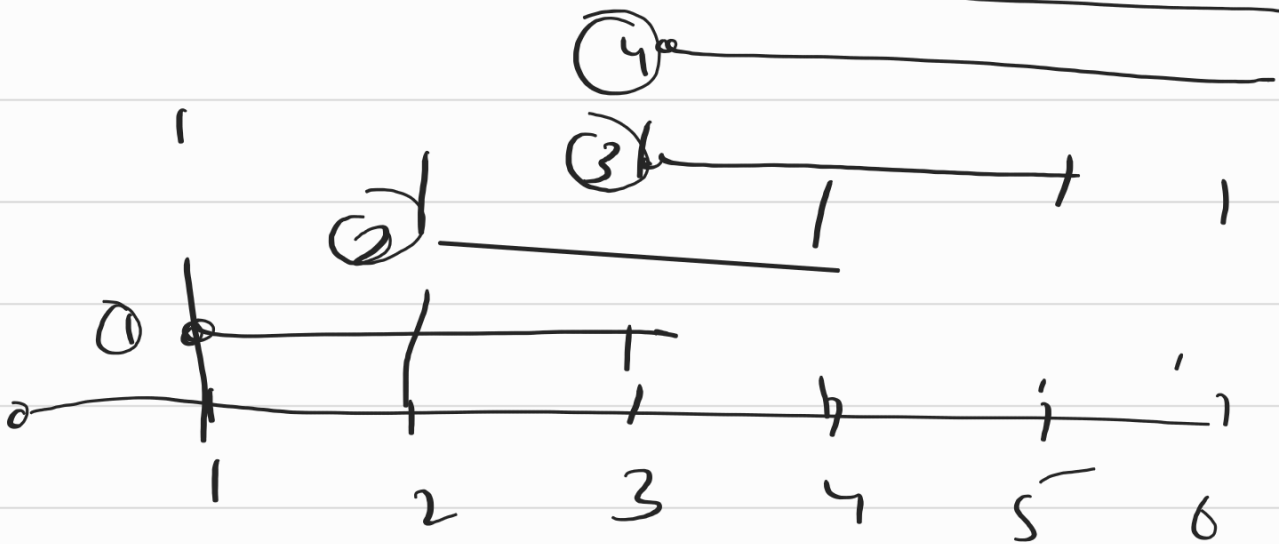
Maximum Profit in Job Scheduling

S.T. = [1, 2, 3, 3]

E.T. = [3, 4, 5, 6]

Profit = [50, 10, 40, 70]

Out: 150



D.P

→ optimal/maxi/min:
→ Option (take, not take)

$\{1, 3, 50\}, \{2, 4, 10\}, \{3, 5, 40\}, \{3, 6, 70\}$
 \uparrow $S > = e_{prev}$

$\textcircled{50} \{1, 3, 50\}$

$\textcircled{40} \{3, 50, 40\} \leftarrow \{3, 6, 70\}$

• next job ?

• taken = $50 + \text{solve}(\text{next job})$

• not taken = $\text{solve}(i+1)$

memoize

Maya kya seekha ?

* Is question m sort krna
padege as per start time

Jiske liye hum Comparator
use karenge

Note: By default sort function
will sort based on 1st element
i.e. Starting Point