Q 4] Using job sequencing find the profit for the given data, $n=4$, $p = (100_1, 10_2, 15_3, 27_4)$

$$d = (2_1, 1_2, 2_3, 1_4)$$

Arrange the jobs in decreasing order of profit

$\therefore P = (100_1, 27_4, 15_3, 10_2)$

$$d = (2_1, 1_4, 2_3, 1_2)$$

Job considered	Action	Sequence	Profit
J_1	Assign [1-2]	—	100
J_4	Assign [0-1]	{1}	27
J_3	Reject	{1,2}	—
J_2	Reject	{1,2}	—

Profit = Job1 + Job4

      = 100 + 27

      = 127