Job Sequencing

Let there be 14 Jobs with profits

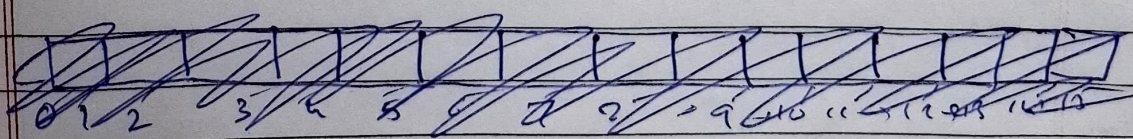
{ 22, 19, 29, 28, 30, 31, 27, 25, 24, 26, 14, 27, 19, 13 }

T.C.T = { 3, 3, 8, 6, 7, 5, 10, 4, 6, 12, 13, 2, 14, 13 }

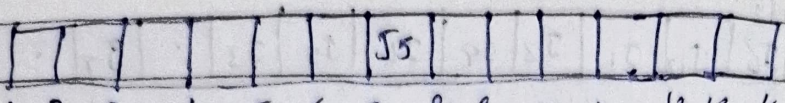
Step 1: Arrange the jobs in descending order of profit.

JOB	PROFIT	DEADLINE
J_5	30	7
J_3	29	8
J_4	28	6
J_7	27	10
J_{12}	27	2
J_{10}	26	12
J_8	25	4
J_9	24	6
J_1	22	3
J_6	21	5
J_2	19	8
J_{13}	19	14
J_{11}	14	13
J_{14}	11	1

1)



(30,7)

1) 

30

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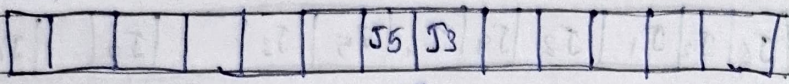
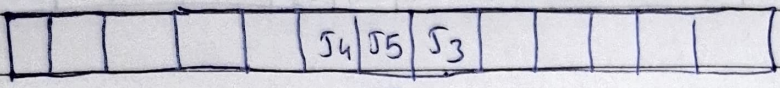
2) 

59

28,6

3) 

87

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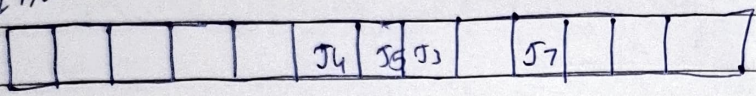
4) 

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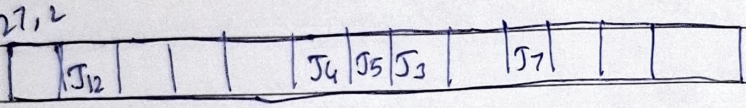
5) 

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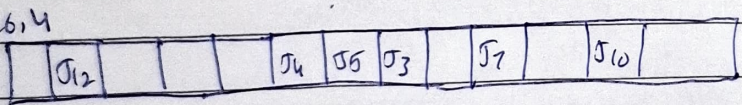
26,4

6) 

167

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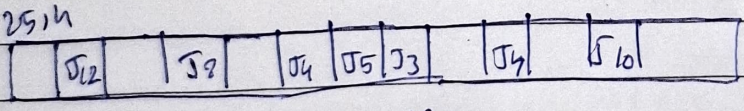
7) 

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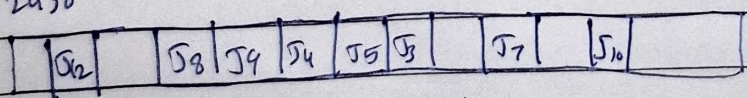
8) 

216

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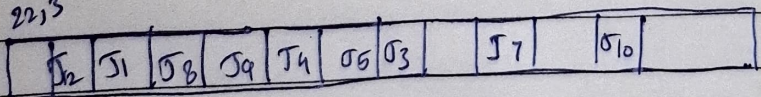
9) 

236

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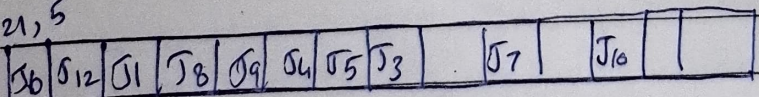
10) 

259

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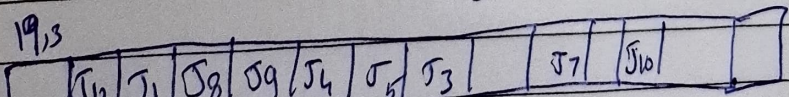
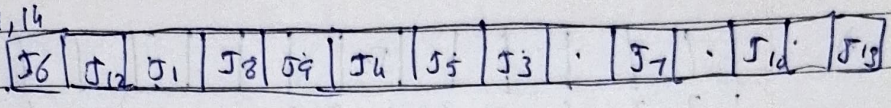
11) 

Jn → skip

(12)



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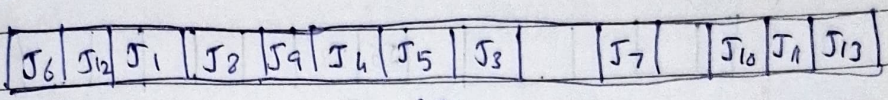

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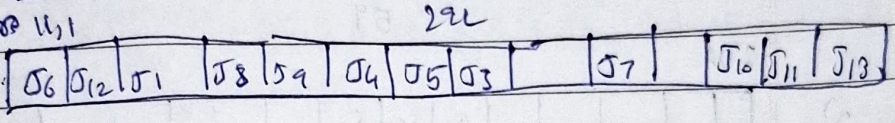

Profit: 292.