

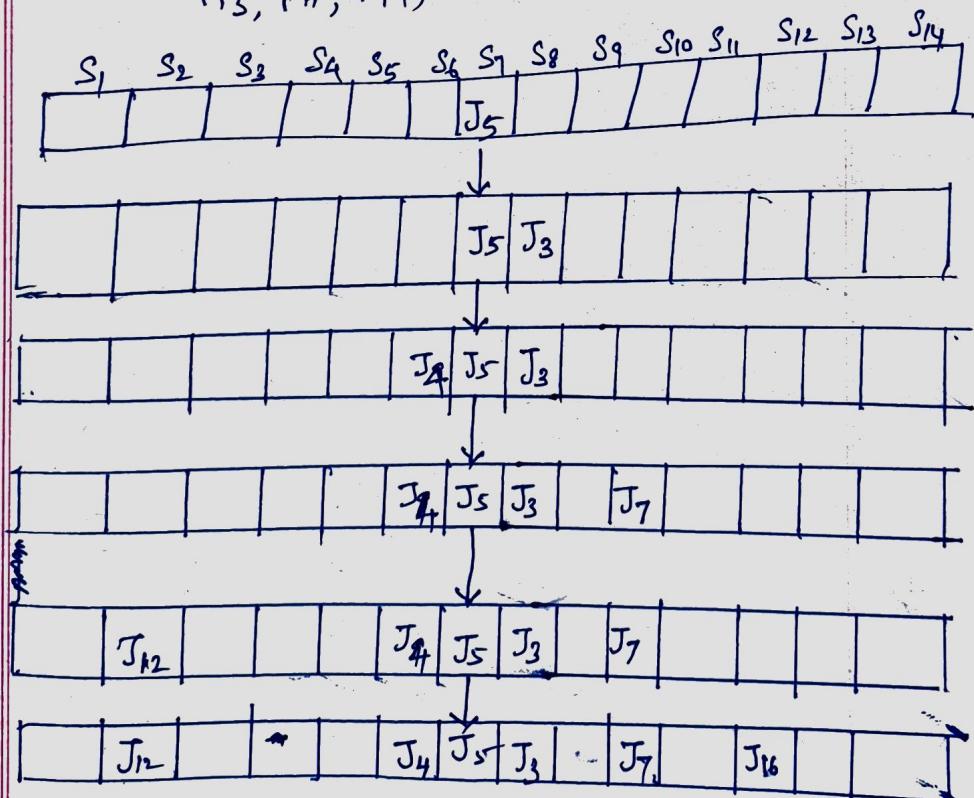
Number of Jobs : 14

(P₁, P₂, P₃, P₄, P₅, P₆, P₇, P₈, P₉, P₁₀, P₁₁, P₁₂, P₁₃, P₁₄) = (22, 19, 29, 28, 30, 21, 27, 28, 24, 26, 19, 27, 19, 11)

(D₁, D₂, D₃, D₄, D₅, D₆, D₇, D₈, D₉, D₁₀, D₁₁, D₁₂, D₁₃, D₁₄) = (3, 3, 8, 6, 7, 5, 10, 4, 6, 12, 13, 14, 1)

The Descending order of profit :-

(30, 29, 28, 27, 27, 26, 25, 24, 22, 21, 19, 19, 14, 11) =
(P₅, P₃, P₄, P₇, P₁₂, P₁₀, P₈; P₉, P₁, P₆, P₂,
P₁₃, P₁₁, P₁₄)



J ₁₂	J ₈	J ₄	J ₅	J ₃	J ₇	J ₁₀	
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Have to write

J ₂	J ₈	J ₉	J ₄	J ₅	J ₃	J ₇	J ₁₀	
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J ₁₂	J ₁	J ₈	J ₉	J ₄	J ₅	J ₃	J ₇	J ₁₀	
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Have to write

J ₆	J ₁₂	J ₁	J ₈	J ₉	J ₄	J ₅	J ₃	J ₇	J ₁₀	
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J₁₄ has deadline - 3, which can't be included.

J ₆	J ₁₂	J ₁	J ₈	J ₉	J ₄	J ₅	J ₃	J ₇	J ₁₀	J ₁₃	
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J ₆	J ₁₂	J ₁	J ₈	J ₉	J ₄	J ₅	J ₃	J ₇	J ₁₀	J ₁₁	J ₁₃	
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J₁₄ can be scheduled since slot - 1 is filled.

find scheduling :

J ₆	J ₁₂	J ₁	J ₈	J ₉	J ₄	J ₅	J ₃	-	J ₇	-	J ₁₀	J ₁₁	J ₁₃
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The profit obtained by this sequencing is

$$30 + 29 + 24 + 27 + 27 + 26 + 25 + 24 + 22 + 21 + 19 + 14 = 292$$