







Joh Sagrerary
. The Sequencing with deadlines
Sort all given jobs in decreasing order of their profit.  There maximum value of deadline. Draw Good the yant Chart
there maximum value or deadline. Draw front the yante man
(max" time = max" deadline)
Pule jobs one by one and put em' on the chart as lar as possible from
Ensuring to gets ampleted between the wadne.
[compared to Destination 5 3 3 2 4 2
O ensuring jub gets completed before its deadline.  Example: Jobs: J1 J2 J3 J4 J5 J6  from gateridyaday Deadlines: 5 3 3 2 4 2  Profits: 200 180 190 300 120 100
Dachasina malas +
Decreasing order = John Ja Ja Ja Ja Ja
Johns: J4 J1 J3 J2 J5 J6 Deadlines: 2 5 3 3 4 2
Profits: 300 200 190 180 120 100
Value of maxing dondling = 5 maxing time on functionant = 5
Value of max deadline = 5, max m time on quat chart = 5  0 1 2 3 4 5 take Ty, place it before deadline 2
J4 0 1 2 3 4 6
take J31 empty cell before 5 J4 J1
0 1 2 3 4 5 / take take J3, place it in empty
Jy J3 J1 cell before 3 as deadline = 3
J2 before empty cell of 1 as 90 1 2 3 4 5 deadline = 3 and cells before 2,3 are filled. J2 J4 J3 J1
0 1 2. 3 4 5 J6's deadline is 2, but
deadline = 3 and cells before 2,3 are filled. J2 J4 J3 J1  0 1 2. 3 4 5 J6's deadline is 2, but  J2 J4 J3 J5 J1 all slots are occupied, so
Optimal schedule it Ib cannot be completed
J2, J4, J3, J5, J1 for max" profit
All into another completed in the optimal schedule (J6)
All jobs aren't completed in the optimal schedule (J6)  Maxim profit = P2 + P4 + P3 + P5 + P1
= 180 + 300 + 190 + 120 + 200
= 990 units
TIO MUIS

1 = 4 W = 6 : max (1+0, 4) = 4 m [i, w] = max (m [i-1, w], m [i-1, w-w[i]+p[i])

Knapsach Algorithm's 741 above 841 above (reade matrix K with dimensions (n+1) x (W+1), initialize all cells as 0, in the matrix

