Day 12

12 January 2021 19:01

o/1 Knapsack

Projet()= $\{60, 100, 120\}$ = 0 W= $\{50, 100, 120\}$ = 0 W= $\{50, 100, 120\}$ = 0

50.30

Man. the project - 2,50)
(3,30)
(3,50)

Recuri

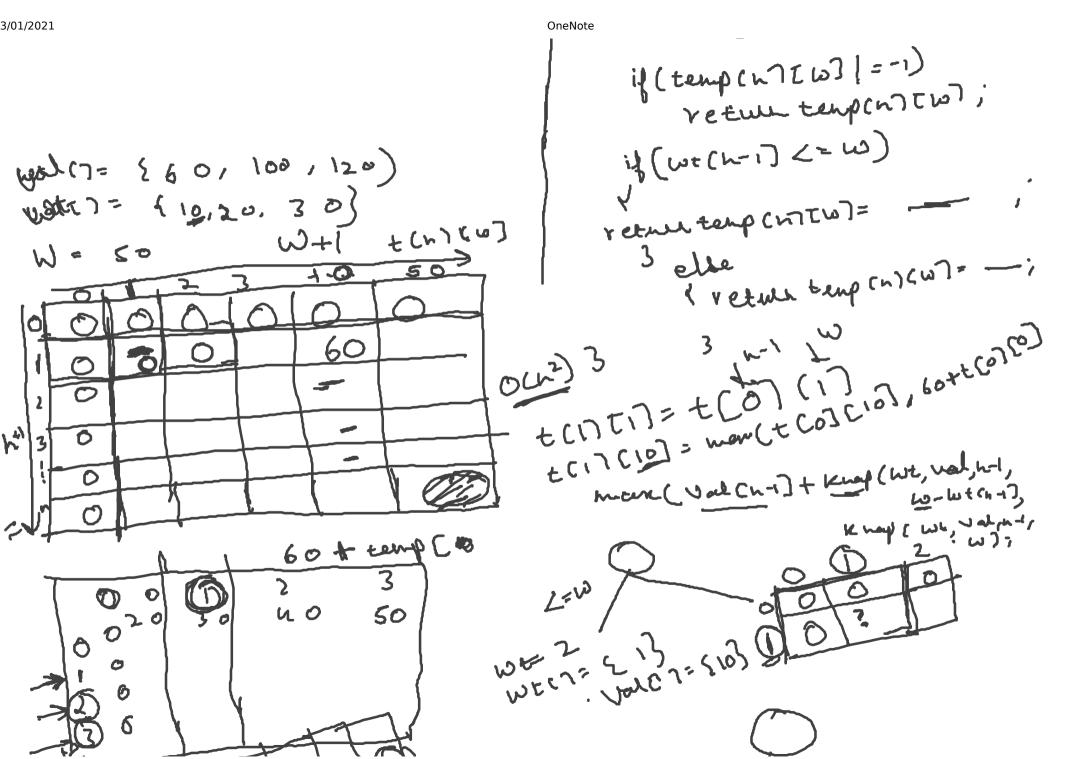
int Knopsack (int wtc7, int val (3, int w, h)

{

||(h = = 0)||W = = 0) $||(W + (h - 1)|| \angle = W)$ $||(W + (h - 1)|| \angle = W)$

else (return Krops (WE, Val, W, N-1); return Krops (WE, Val, W, N-1); int temp (M)(W) = E-1]; int krops (WE(), Valt), Wd, bu)

if (n = = 0 | 1 ls = = 0)



Jac7=

Values[]	weight[[]	index	0.	1	2	3	4	5	6	7. [Capaicty]
1	1	0	0	1	1	1	1	1	1	1
6	2	1	0	1	6	7	7	7	7	7
10 17	3	2	0	1	6.	10	11	16.	17	
16	5	3.	0	1	6	10	11	16	. 17	22

Capacity = 3 and Index = 1 Math.Max(dp[0][3], profit + dp[0][1])

Capcity = 4, Index = 2, Math.max(dp[1][4]., profit[2] + dp[1][1]

Profit[i] + dp[i-1] [c-weights[i]]