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18M18cso36

Assign ment:

Knapsack problem using dynamic programming Dynamic programming away:

	0	1	2	3	4	5	6	7	8	9	10
0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	30	30	30	30	30	30	30	30
2	0	0	٥	30	45	45	45	35	75	75	75
3	0	0	25	30	45	55	70	75	75	100	100
4	0	0	25	36	45	61	70	81	91	106	117
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when
$$i=3$$
? $V[0,0], V[0,1], V[0,2], V[0,3], V[0,4], V[0,4], V[0,6], V[0,7], V[0,7], V[0,6], V[0,7], V[0,6], V[0,7], V[0,6], V[0,7], V[0,7], V[0,6], V[0,7], V[0,7], V[0,8], V[0,8],$

$$i = 0$$
; $V[0,0], V[1,0], V[2,0], V[3,0], V[4,3]$

].
$$i=1$$
, $w_1 = 3$, $p_1 = 30$
 $j=1 \Rightarrow v[1,1] = v[0,1] = 0$
 $j=2 \Rightarrow v[1,2] = v[0,2] = 0$