

**KNAPSACK PROBLEM USING DYNAMIC PROGRAMMING**

ITEM	WT	PT
A	3	10
B	8	11
C	9	9
D	8	4

0	1	2	3	4	5	6	7	8	9	10	11	12				
0	0	0	10	10	10	10	10	10	10	10	10	10				
0	0	0	10	10	10	10	10	11	11	11	21	21				
0	0	0	10	10	10	10	10	11	11	11	21	21				
0	0	0	10	10	10	10	10	11	11	11	21	21				

<b>CAPACITY</b>	<b>12</b>
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<b>WEIGHT</b>	<b>WT</b>
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<b>PROFIT</b>	<b>PT</b>
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<b>B</b>	<b>A</b>				
8	3				11
11	10				21