

Prompt:

Draw the dynamic programming table of the following instance of the knapsack problem.

Dynamic Programming Table:

DP Table of Knapsack Problem																		
Item	val	weight	Items Set	6	0	1	3	4	6	7	12	18	19	25	26	28	29	31
1	1	1		5	0	1	3	4	6	7	12	18	19	21	22	24	25	30
2	3	2		4	0	1	3	4	6	7	12	13	15	16	18	19	21	22
3	6	4		3	0	1	3	4	6	7	9	10	10	10	10	10	10	10
4	12	6		2	0	1	3	4	4	4	4	4	4	4	4	4	4	4
5	18	7		1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
6	25	9		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	
				0	1	2	3	4	5	6	7	8	9	10	11	12	13	
				Weight														