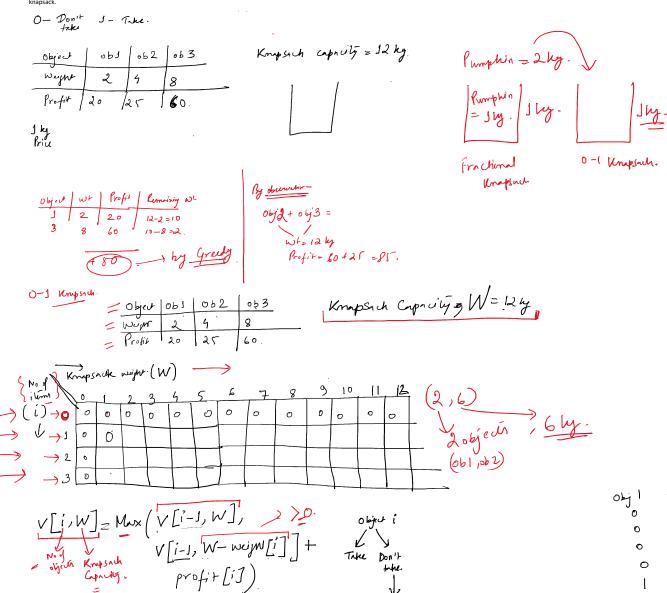
In the 0-1 Knapsack Problem, we are given a Knapsack or a Bag that can hold weight up to a certain value. We have various items that have different weights and values associated with them. Now we have to fill the knapsack in such a way so that the sum of the total weights of the filled items does not exceed the maximum capacity of the knapsack and the sum of the values of

Given a Knapsack with maximum weight limit as W and two arrays value[] and weight[]. You have to fill the knapsack in such a way so that the total weight of the filled items is less than or equal to W and the sum of the values of the filled items is maximum. value[i] and weight[i] will store the value and weight associated with ith item. You can not partially fill an item in the knapsack.



i\w	0	1	2	3	4	5	6	7	8	9	10	11	12
0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	20	20	20	20	20	20	20	20	20	20	20
2	0	0	20	20	25	25	45	45	45	45	45	45	45
	0	0	20	20	25	25	45	45	60	60	65	65	85

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