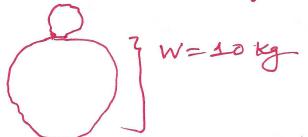


- 1) 0/1 Knapsæk (this is a Df problem). 2) Fractional Knapsack. (this is a greedy problem)
- 3) Unbounded Knapsack

In a fractional knapsack problem let us assure that we have the following problem:

1) We have a trappack of capacity W= 10 kg.



2) I magine that we have already fulled the Knapkack to the total capacity of W=9 tg. and are left with a rapacity of 1 kg.

3) The best way to maximize profit in this case is to ful the knapeach's remaining capacity of 1 kg with fractional capacity of the most valuable them we have available will us. available with us.

We could repeat this approach over 8 over again to fell the Knapsack and in turn also maximize the profit and hence the essentially a greedy problem because no can break the item into a fraction and hence ful the Knaplack.

0/1 Knapsack however is a DP problem because no cannot breakdown the item buto a fraction hence leaving us with a choice to either put the item but a knapiack or is illustrated really nicely through the image