2) Also imagne that you are given a bunch of items. each with their associated neight and the monetary value they have associated with them in W1=0.5 kg. P1=\$1800 items 5 II = a watch collection W1 = 2 kg P2=\$2500 I2 = a macbook, In All the knapsack problem asks us to do its to fit the knapsack with a subset of thems in such a marror that the following constraints are satisfied: 1) The capacity of the bag is not breached Lie & wil < W 000000...0

Li=1 subset of thems in Knapkack

2) The total value of the literus put into the

Knapkack is "maximized" i.e. ZPK is the maximum possible value into out of all the possible subsets of item you can for into the knapsack.

Les we over also not necessarably concorned with fulling the knapsack in its entirety that is me don't really name if the Kis is full or not at the end of the process.