



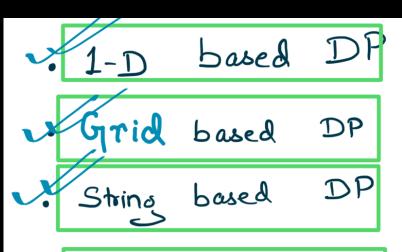


HIGUI (Motivation) Just as metal takes shape when struck, we too are forged into our best selves throughout hard work and perseverance.

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- · Knapsack Sevies
  - · Digit DP
- · Game Strategy

we'll do:

(\*) RECURSION + MEMOIZATION (Top Down)

(1) Bottom UP.

(1) Time & Space

(video -2)





-> (Fractional Knapsack)
-> 0/1 Knapsack
-> Unbounded Knapsack

## Tactional Knapsack 9-5-5

## By Profit.

## Val /Projit Maximize

$$Profit = 100 + 120 + 140$$

$$= 360$$

## Prolit Port Colors

$$A = \{100, 280, 120\}$$

where  $A = \{100, 280, 120\}$ 

Penunit 
$$= \left\{ \frac{10}{10}, \frac{7}{10}, \frac{6}{10} \right\}$$

company = Microsoft.

GFG > Fractional Knapsack





