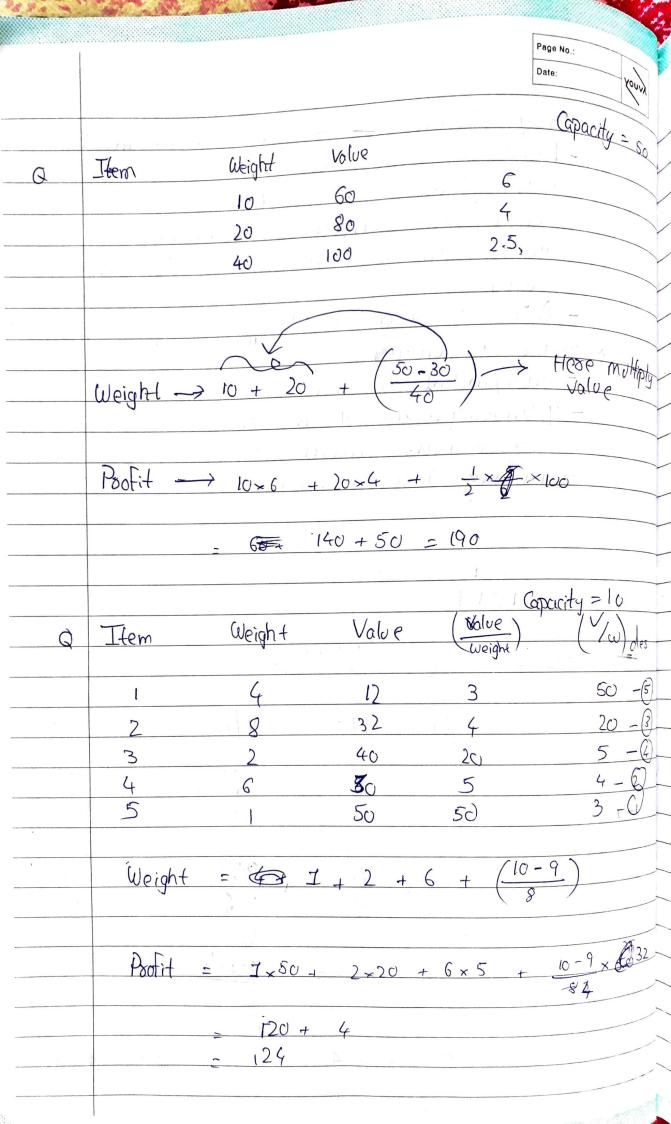
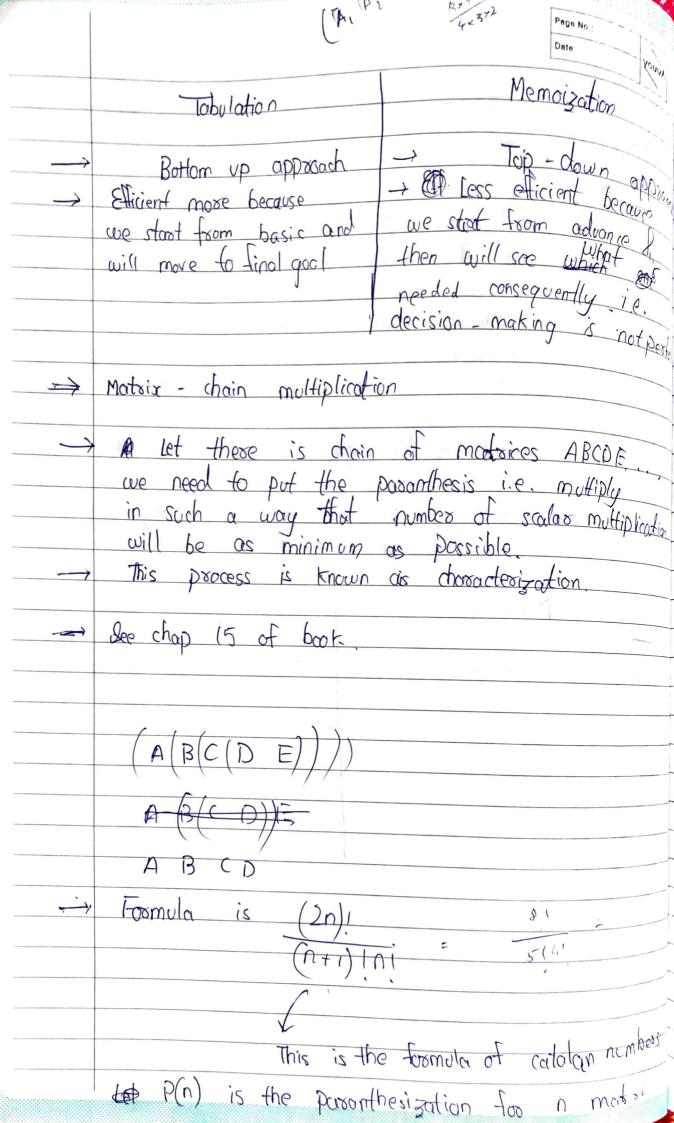
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7	Dynamic Programming			
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	) Both are applicable to the problem which have			
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	3) Roth have are used for	o optimisation	n	-
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	Optimal Sub-Stauture property:			
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$\Rightarrow$	Techniques used to design DP problem			
	1) Tabulation -> Bot			
	1) Tabulation			
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$$P(n) = \begin{cases} 1 \\ \sum P(k) P(n-1k) \end{cases}$$

$$P(4) = P(4)P(3) + P(2)P(2) + P(3)P(4)$$

$$P(3) = P(1) P(2) + P(2) P(1)$$

$$P(z) = P(z)P(z) = I$$

$$P(3) = 1 + 1 = 2$$

$$P(4) = 2 + 1 + 2 = 5$$

$$m[i,i] = \int_{a}^{b} 0$$
 if  $i=j$ 

m [1,2] = 
$$p(0)$$
.  $p(1)$ .  $p(2)$  (You can cross check by formula)

$$M[3,4] = P(2) \cdot P(3) \cdot P(4)$$
, For consecutive numbers.

Matrix chain order (code) From textbook page 375.

(Youd rakhvono algo erom more)

(Mothers chain ander accepts sequence of dimensions are as.

Matrix chain order accepts sequence of dimensions are grippet, also number of matrices is length of dimensions - I).

