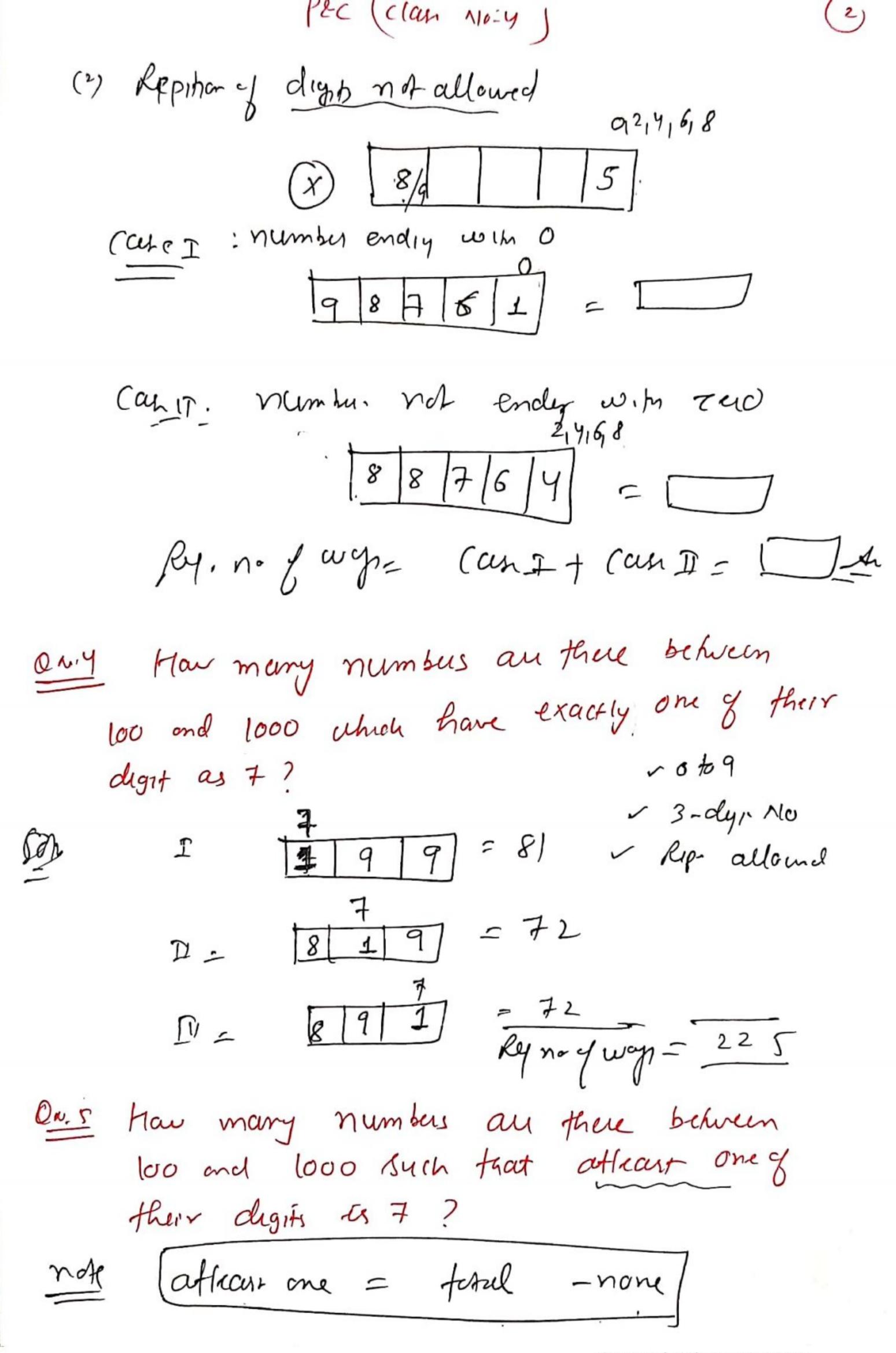
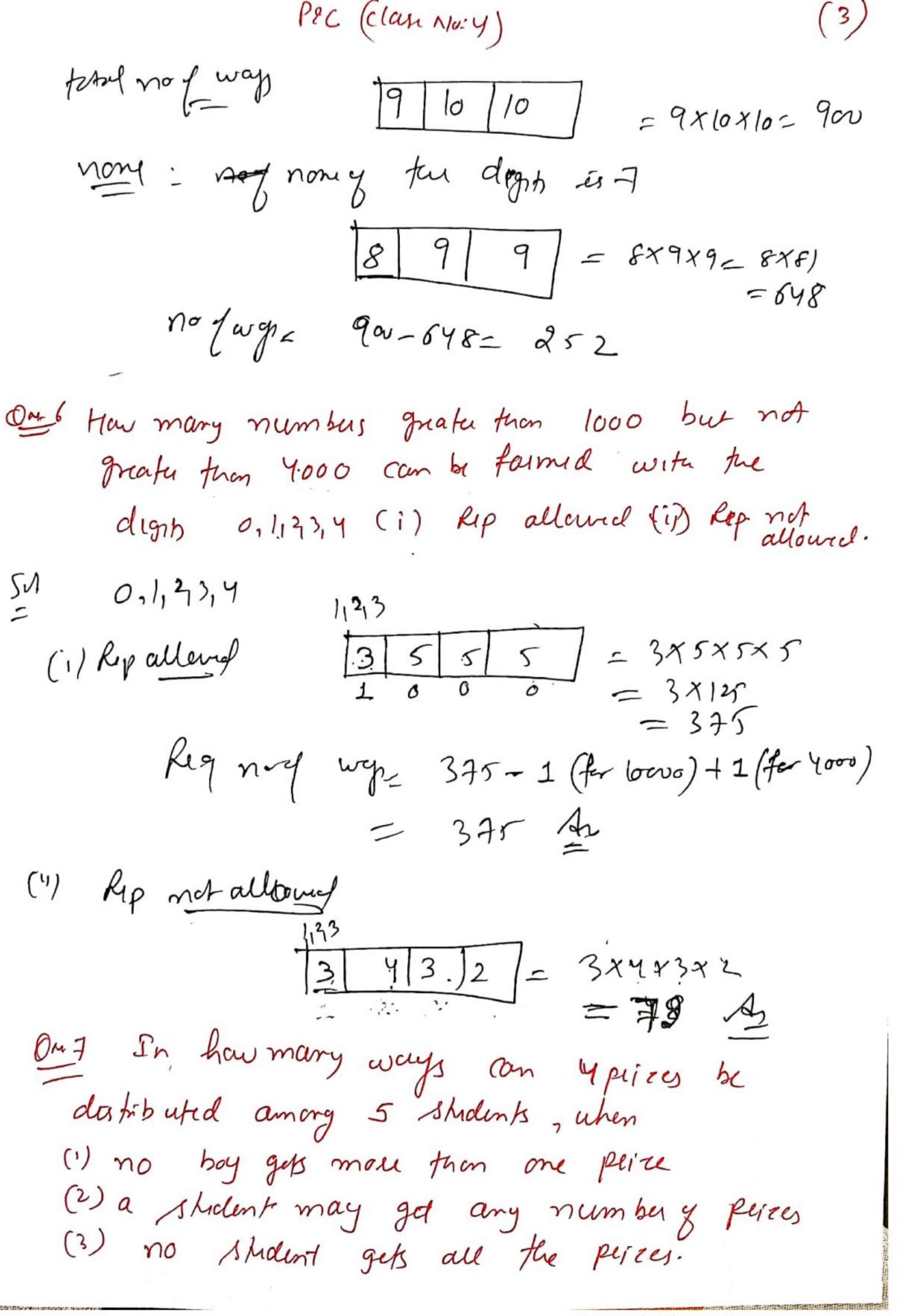
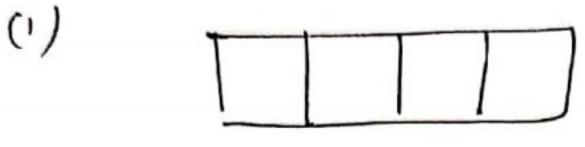
(1 5 4 7 V X 1 2 QUEUT) "1
- ULTIMATE MATHEMATICS: BYAJAY MITTAL -
CHAPTER: PERMUTATION & COMBINATION
CLASS NO- Y
0161113 0 to 9
0:1 ~ digin: 0 to 9 (57 not 9rum)
Four digit number
Repetion of clights allowed (II not omenhon)
9 10 10 10 = 9x/0x/0x/0 = 9000
Repeter of desity not allowed
9 9 8 7 - 9x9x8x7 - 8) x56
QN2 disna 0 to 9
Four digna odd numbu.
(1) Rep allowed 9/10/10/5/=9x10x10x5= 4500
(ii') Rep not allowed 8 8 7 5 = 8x8x7x5
Quis dists o tog
= find elign "even" onumber
One of dights o tog Fracti Fire elight "pren" number (') Rip of chan's allowed 19 10 10 10 50 = 45000



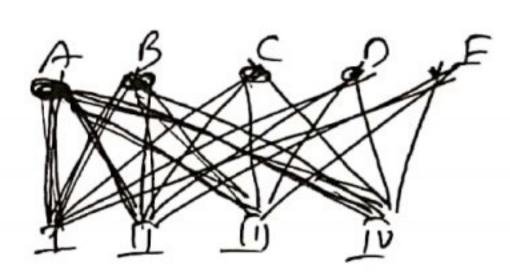




$$(3)$$

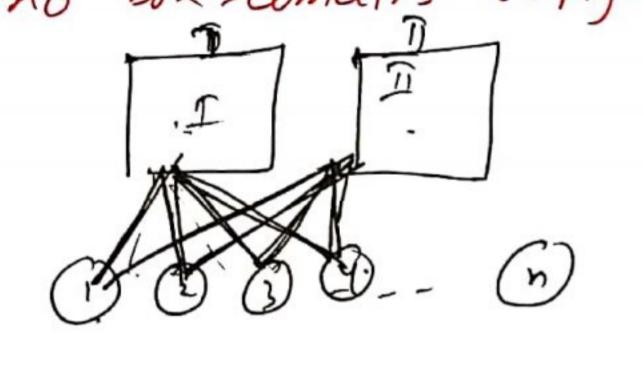
$$5 \times 5 \times 5 \times 5 = 625$$

$$\frac{-5}{620}$$



in destinct objects can be put in to two different boxes so that no box elemains empty.

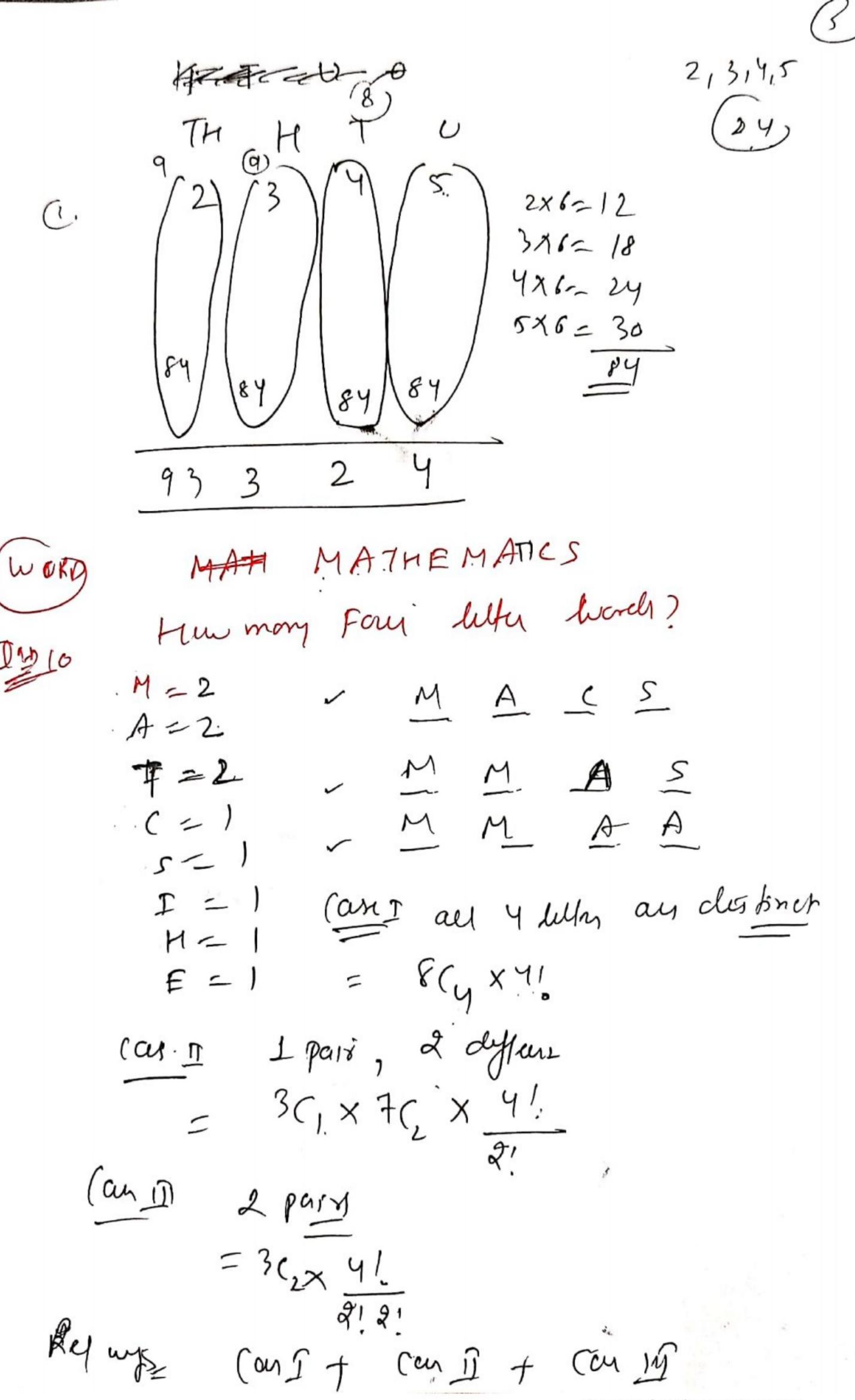
SU 2x2x2--. ntm = 2ⁿ



Ans I find the sum of all the numbers that can spind be found with the digits 2,3,14,5 taken all at a time.

(1) 2/3/1/18 (1) Use all at a time)

Rip not alland (1) (1) (24)



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ONII INVOLUTE

5 life worch Containing & Wouch &
3 (onsonanh-??

4-V
4-C

= 4-c = 4(2 x 4(3 x 5!