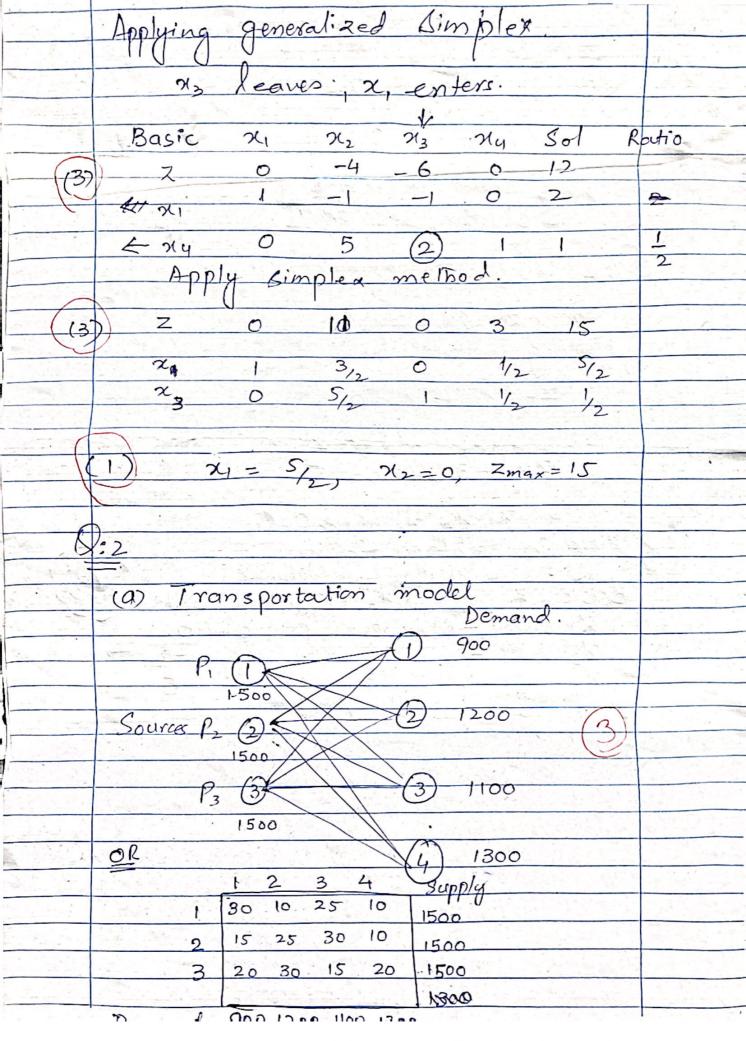
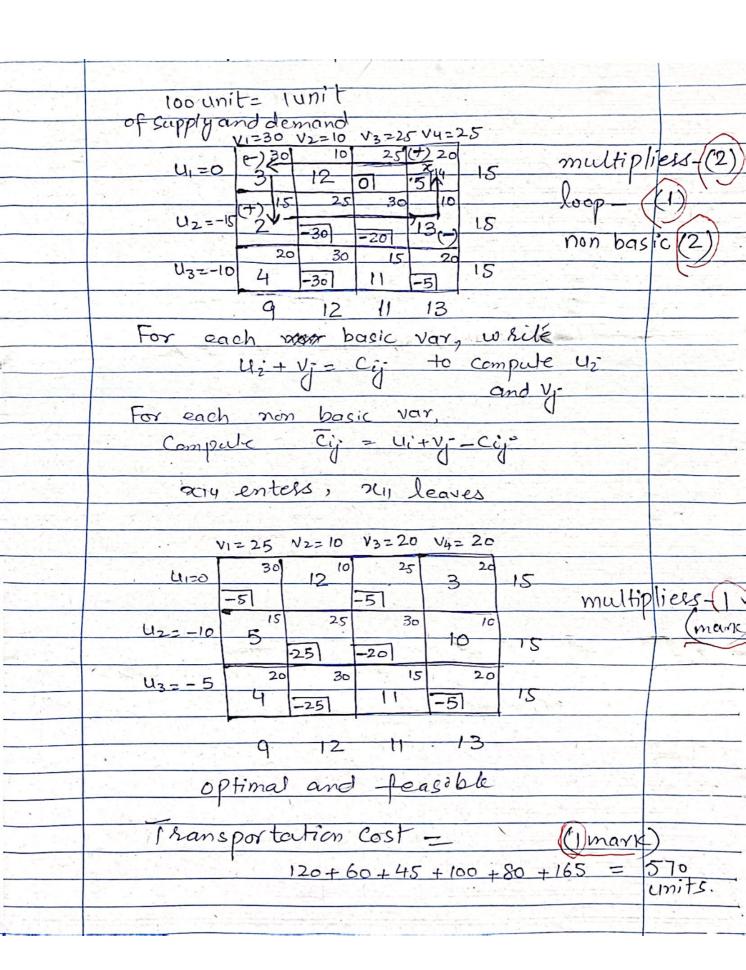
and the	Solution Sessional II	
	$\bigcirc$ : 1	
	$max Z = 6x_1 = 2x_2$	
	Putting in standard form.	
	Z-6x1 +2x2=0	
	$-\chi_1 + \chi_2 + \chi_3 = -2$	
	$2x_1 + 3x_2 + xy = 5$	
	X1, N2, N3, Nu >0.	The same of the sa
	Putting in tableau form  Basic Z 21 22 23 24 Sol	1-1
	non of the	(3)
	1 Karic 4 XI X2 X2 Xu Sol	1
	7 [-6] 2 0 0 0	
	7 [-6] 2 0 0 0	in-feasible
	Basic $= 21 \ M_2 \ M_3 \ M_4 \ Sol$ $= 6 \ 2 \ 0 \ 0 \ 0$ $= 3 \ 0 \ 1 \ 5$	in-feas-bi
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	in-feas-bi
	X <sub>3</sub> -1 1 0 [-2] -  x <sub>3</sub> -1 1 0 [-2] -  x <sub>4</sub> 2 3 0 1 5  x <sub>1</sub> has -ve z-coefficient and  can be believed as entering var.	in-feas-bl
	Z [-6] 2 0 0 0 2/3 -1 1 0 [-2] - 2/4 2 3 0 1 5 2/4 2 3 0 1 5 2	
	2 -6 2 0 0 0  x/3 -1 1 0 [-2] -  x/4 2 3 0 1 5  x, has -ve z-coefficient and  can be belected as entering var.  = Solution is mon optimal.  the value of x, = -2, indicativ	
	Z [-6] 2 0 0 0 2/3 -1 1 0 [-2] - 2/4 2 3 0 1 5 2/4 2 3 0 1 5 2	
	2 -6 2 0 0 0  x/3 -1 1 0 [-2] -  x/4 2 3 0 1 5  x, has -ve z-coefficient and  can be belected as entering var.  = Solution is mon optimal.  the value of x, = -2, indicativ	
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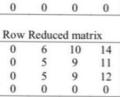
Scanned with CamScanner



### Scanned with CamScanner



13	17	19
15	19	22
0	0	0
	15	15 19





### I Modified Matrix

Ф	6	10	14
•	5	9	11
φ	5	9	12
+	0	0	0

 $N \le n \text{ i.e. } 2 \le 4$ 

II Modified Matrix

ф	1	5	9
ф	ф	4	6
ф	ф	4	7
-\$	-	0	-0



N < n i.e. 3 < 4

III Modified Matrix

Ф	1	1	5
ф	ф	b	2
ф	ф	ф	3
•	4	•	0



N = n

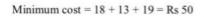
Zero assignment

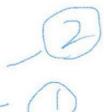
Multiple assignments exists

Solution -I

o	1	1	5
×	0	X	2
X	X	0	3
9	4	X	0

Optimal assignment W - A X - B Y - C Cost 18 13 19





#### Solution -II

lo lo	1	1	5
M	Ø	0	2
180	0	×	3
9	4	X	0

Optimal assignment W-A X-C Y-B Cost 18 17 15

Minimum cost = 18 + 17 + 15 = Rs 50

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