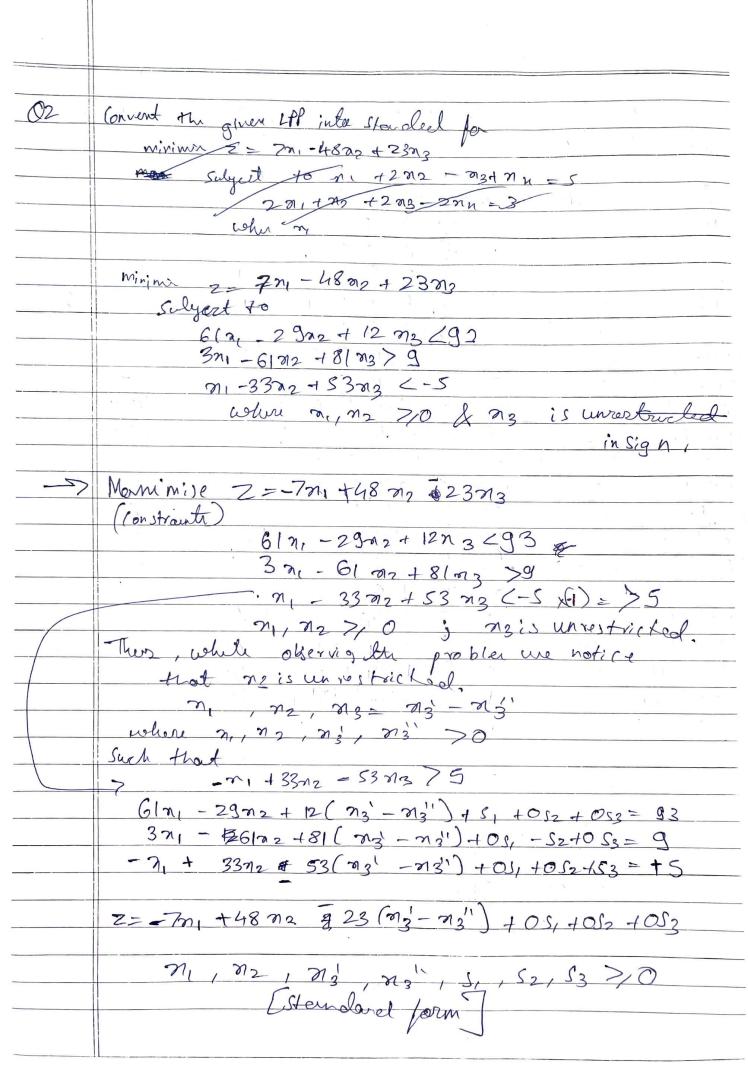


Batch: B2 Roll No.1 GOLO42[1] 6
Experiment / assignment / tutorial No.
Grade: AA/AB/BB/BC/CC/CD/DD

			TRUST	Signature of the	Faculty In-	-Charge w	vith date		
	Smit Thekare								
	TT-B2								
	16010H21116								
	C04-IA-2								
C04-4N-									
Qı	Eind (:) AL	Find (i) All boxer solution (ii) All fearelile solution (iii)							
	All Degenerate Solution (1) All pearette Solution (11) All Degenerate Solution house docto decide the optimal fearebile beeren for the following 1.P.P.								
	merin z = 2 m + 3 a 2 + m 3 + M h								
	Subject to $n_1 + 2n_2 - n_3 + n_1 = 5$ $2n_1 + n_2 + 2n_3 = 2n_1 = 3$								
	wehing m . Ma. Ma. M. >- M								
	Neren m= 2 & n= 4 No. of boris relessable = n (m = 4 C) = 6								
->									
	To get barir fearible Solution une grut nom							m	
			V Wa a		- P				
No. of barrie	Non bosis	Borin-le Verale	Ceq. Lvalu	et 11	BFS	Deg	Valg	optimal -o(
	713 = 0				yes	1 .	7.6	No	
_1	24-0	71	241 425 214725 5 =7	-3 m=1/3		Reg			
	812-0	7/1	214-43=2 3 21	1= 3-25					
2.	21 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	2	2m1 + 2m3-3 2 m	12= -1.75	Non	_	-	_	
	n ₁ = 0	712	291-712-5 7 80	12=26	Yes	Non			
3	W-0	13	2n2-713-3 7 81	713-02	ies	Deg	8	No	
h	92=0	31						.14	
- (M3=0	- on	n1+ n1 = 5 2 mi 2m, -2mu=3 1 mn	=5:23	409	Non Deg	8:25	W-S	
		72							
	n3=0	Mn	2n2+ n=5 2 n2-2nn=3 J	012-2-101	No	-		1	
			012-29n=3 J	colhe -					
6	21=0	ng							
	9220	- A1	-913 + 70 h - 5 -	2 No	_	-			
		Mh	2013-2016=3	- Journal -					
	,								

(;	m=1/3, a2 = 7/3, m3 = m4 =0
	n, = 3.25, n2 - 1.75, n2 = nu =0
	72=2-6 (33=0.2 , N1= Nh=0
	$M_1 = 375$, $M_1 = 1.75$, $M_2 = M_3 = 0$
	$n_2 = 2.6$; $n_1 = -0.2$, $n_1 = n_3 \ge 0$
	1-72-0, og= nn -> No solution - There are barrie Solution
115	Fearelik barei solutor are.
	n=1/3, n2=7/3, n3=n4=0
	$m_2 = 26$, $m_3 = 0.2$, $m_1 = 0$
	21 = 325, 21 =1.75, 22 = n3=0
1117	There are no degenerater Solulein
(v)	Optimal fearloll bari to is 2=8.25
	n ₁ = 3.25, 182 = 1.75, 2 = 23 = 0
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el .	
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Batch: \$2 Roll No.: \ 6 olo \(\text{21116} \)
Experiment / assignment / tutorial No. _____
Grade: AA/ AB / BB / BC / CC / CD / DD

Signature of the Faculty In-Charge with date

	Smil Thokare					
	TT-82					
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	Cal - Th					
	CO4-IA2					
60						
03	Solve the quien If P by Simpler method nominie 2 = 3n, +5n, + 4m;					
	nanimire 2= 3n, + Sn2 + hnj					
	Subject to					
	$2n_1 + 3n_2 \leq 8$					
	$2n_{2}+5n_{3} \leq 0$					
	$3n_1 + 2n_2 + 4n_3 \leq 15$					
	where n, n2, n3 70					
->	we find enguer the given problem instandard					
	hom					
	2-3n, -sn2 + 4m3 + OS, + OS2 + OS3 = 0					
	2n, 13n2 10n3 + St +052 +053 =8					
	On 1 2 n2 + 5n3 + OSC -152 + OS3=10					
	3r, + 2n2 + 4n3 + 05, +052 +53=15					
	We put this information in tabellar from a					
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	K.J. Somaiya College of Engineering, Vidyavihar (E), Mumbai - 400 077.					



Batch: Roll No.: Experiment / assignment / tutorial No. __ Grade: AA/ AB / BB / BC / CC / CD / DD

Signature of the Faculty In-Charge with date

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<u>R3</u>	S3 S2lear A		15	(-17 - 7.)				
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R1=R1 \$	2 2	113 0 -4 5/8 0 0	40/3	-				
1 R2-2R1	3 012 3 S2		813	14/15				
3-R3-2R1	53		29/3	28/12				
3=13=21	S 31 ear nzenter	m, m2 m3 5, 52 53	-/3					
i'RothR2	2	-11/15 0 0 17/15 4/5 0	256/15	- f				
R1= R1 R2 S	712	2/3 1 01/3 0 0	8/3	G				
R2= R2/5	713	4/15/16 0	14/15 \$ 9/15	_				
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	K.J. Somaiya College of Engineering, Vidyavihar (E), Mumbai - 400 077.							
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