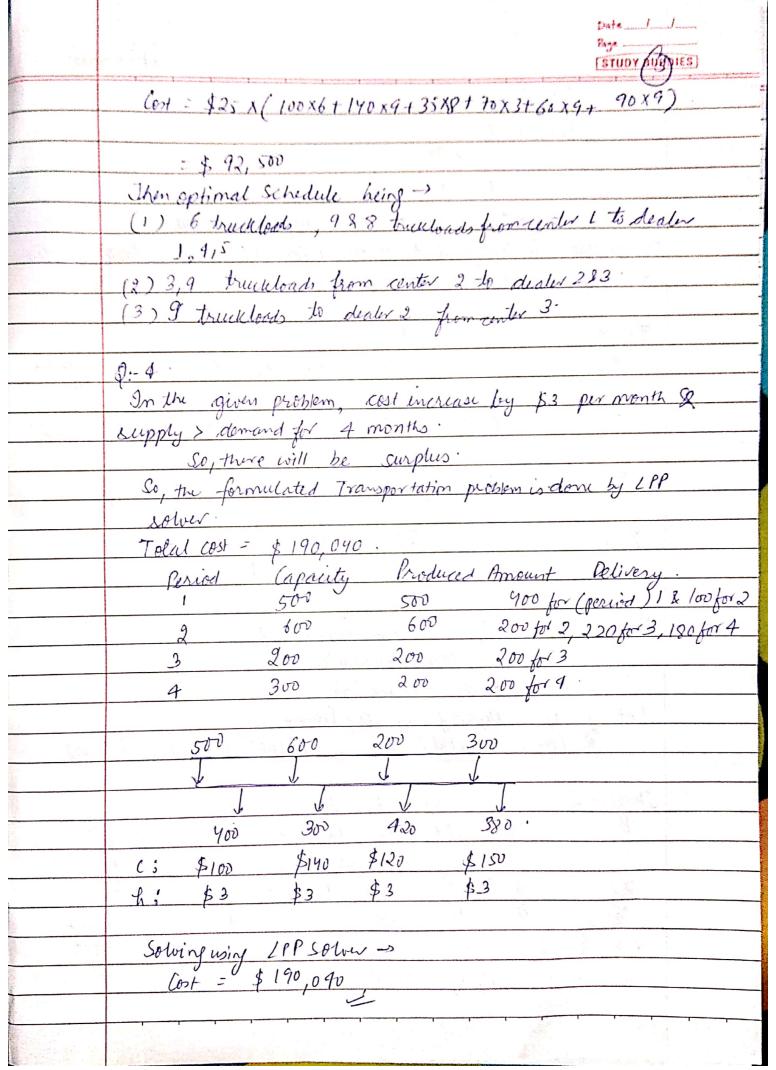
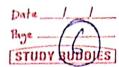
	Nami - 1	Inkit,	Roll No-	11706,	Subject - LPAR					
		İssi	gnment -3							
	2									
	Q:-1									
7,	(a) - Juven,		\$ 100	10 0 2001	connected to city.					
	Murce.	plant with	v COST \$100	10 & 1101	connected to city.					
	50, -11	u model	(:4. ·	12						
	1 1 1 1		City:	3.	n et					
		600	700	400						
	01	000	100	. 21	25					
	Plant 1		0.0-2	25						
		320	300	350 .						
	Plant 2	23	17		40					
		(30)	480	150						
	0/	500		13	30					
	Plant 3	213, 4	25		Carlo De La Carlo					
		1000	1000	1 1 70	L'A MAIN MARLE					
	Excess		-							
	plant 4	13	<u> </u>	1 1 1	A CONTRACTOR OF THE SECOND					
		36	42	30						
	(b) Optima	l Soln	above ce	of =	\$ 49,710					
					13-314					
	(C) Only C	ity I use	s excess e	lectricity	· So excess cost for					
	City 1 3	(C) Only city 1 uses excess electricity So, excess cost for City 1 = \$13 × 1000 = \$13,000.								
	(d) For	(d) For 10% power loss, assume vists in laths.								
	So	36 mil	ion KWh -	> 360 Jap	ch KWh.					
8 = 2 - 1, 1 - 3 \(\dag{1} \)	The Board of the State of the S	Webb 19	Market Street	14. 14h	d Dokasel til					
	For 10.0/	. loss	-> Supply ca	pcity will	be = 225, 360, 270 & 225.					
· '&		1 1440 - 1		*5						
Y 3	Cest =	225 X	40+ 135 × 32	+225 x30	+145 X48+75 X45+100 X225					
	10									
		- \$ -	2,302.							

2	Add .					Page			
1231	Constant in				and a second sec	STUDY BUDDIES			
	Construction of the Late of the Construction o	60	40	40					
			gaja annak i bilanga dalap mankandi senakandi berinci da da ma	225	225	<u> </u>			
	plant o	. 32	30						
	2	135	2%	35	360				
,	V 1 - N - Y 1		160	45	7	Reduced			
	?	50	48	75	270	Supply.			
		100	193	00	-	supply.			
	EXCOSS	225	(00		225	/			
	07.02	360		300		30			
			420		.				
				7 .	n				
	Qr. 2.		100	1) 1 2 7 7	= 600	Crotes	74		
	= 10	stal sky	apry = 130	72007250	100 + 100 =	200 Crotes.	4		
(Print)	# Total Supply = 150+200+20 = 600 Crates Total demand= 150+150+ 400+100= 800 Crates.								
	Opt + 1 musting 5 200 - 600								
	Potential overtime supply = 800-600 by each of orchard 1 & 2 = 200 crates								
	by even of orchard as								
	Using Excel Solver for LPP Simplex .								
	00319	- FALL-C	19.5-	jor 1	45				
	C.	sst = \$1	150 %	Market Market	d sin	<u> </u>			
	Henre,					* * *			
	Orchan	d) ws	d 200 cr	ales for	overtime	2 & Orchard 2	-		
	produces	1 None	• • • • •				2.54		
	,								
. + =	9:-3-	S. S	U.S. C.	2000	4 -44	In the state of th			
	Hence	Supply	& demand	are eng	exted n	fruck loads.			
	So, a	onverting	supply I der	nard unt	o true	Khoad = Demandsupply			
(A)	St. sec				and the same of th	18			
	= 1		22.2 0	xs ruck	wads.				
	EMBY THAN	- 18			1 312 4 - 1				
							1		
Per et el controllador de	A CONTRACTOR OF THE PARTY OF TH								



[3]2[(The young)					1		Szele	BUDDIES	
	2:5	Max Z =	Z14 3X	2	T WAY	Sar x	4 3	1		
	Subject to - x1 + 3x2 < 6									
		-	x1 + 3	12 46		· 5	14 13			
		ર્સ	$\chi_1 + \chi_2$	512·	- _ `		+-0.1	00		
	l 2,72>0: 21, 22 non-negative integras.									
1	The probl	lem is Co	gverted	to cano	rical	form b	y ac	lding sl	lack, surplus	
	& artif	ical Na	riables	as app	opial	i	700			
	U			1 40	in the		k 1		- A	
	I-peration)		cj.	4	3) 0.		
	B		$C_{\mathcal{B}}$	XB	Χл	72	8,	52	Min fatro	
9	Starter 19	1.6	1 14	1 1 1	2.6%	Maria -				
	SI		0	6	- 1	(3)	1	0	6-2-	
			1,61	, 1		1 2			١	
-	S2	· V-	0	12	2	4 1 1 1	D.	/ 2	12 -12.	
								$n x^1 = y$	1	
	7=0			z_j	ð	0	0	0		
	1 1 1 1 1 1 1	A	2	j-G	-15	-31	0.	9		
1 1 1	1 .					4		1		
	Minimum ratio is 2 & its now inden is !									
-	So, the leaving basis variable is SI.									
	The Proof element is 3.									
	Entering = χ_2 , Departing S, key Element = 3. R_1 (new) = R_1 (01d) = 3; R_2 (new) = R_2 (0/d) - R_1 (new).									
	\mathcal{R}_{1}	(new) =	R, Loid) :3		R2 (new) = R	(old) -	- Ri(new).	
						us y				
	Iteration 2			<u>΄ 1</u> χ,	3	0	0	1	lin Ratio	
	В	CB	χg	χ,	72	5,	75		×B ×I	
			2		-		2		У ј	
	22	3	- 	-0.3333			D	•		
	S2		10	(2.333)			1	10	54.2857	
	7=6	E }	<u>Z'</u>	-1	3	1	9	2.333	3	
-				~ 1						
			Zj-G'	-21	U	1	ð			

	SIDDA RODDIEZ
	Negative minimum Zj-Cj is-2 & its column index is 1.
	So, the entering variable is x1.
	Min gratio is 4.2857 & the now index is 2.
	Private Algorita 2,2333
	Entering = 2, Departing = S2, Key Element = 2.3333.
	R2 (new) = R2 (Old) = 2.3333.
	Ri(new) = Ri(odd) = 0.3333R2(new).
	Francisco de la companya de la compa
	J-teration -3 Gi 1 3 O O
	J+evation -3 CB XB X, 72 S1 S2 Min rates
	72 3 3.4286 0 1 0.2857 0.1429.
No. of the second	1 4.2857 1 0 -0.1429.0.4286
,	2=19.5714 Zj 1 0.1143 0.8571
	Zj-G. 0 0.7143 0.8571
7 11	Since all Zj-Cj 20.
* .	
	Q:-6. 1 4 2 1 4 19 18 19 19 19 19 19 19 19 19 19 19 19 19 19
A A AMALA	The given problem is a dynamic scheduling problem & it can be converted to a transportation problem.
	can be converted to a transportation problem.
100 m	
	- It is assumed that periods come in order 1,2,3,4 & we
	cannot go book in periods as time moves forward.
	- Supply > demand, So surplus is sold at a profit of \$5
A. 12	unit & \$8 unit for plant 1 & 2.
	Just & \$8 unit for plant I & 2. -> The converted transportation problem would be.
	Using simpley LP solver in Excel, we get that units should be Shipped in the below manner to minimize cost.
1	Shipped in the below manner to minimize cost.



Abbectus restricted by the state of the		LSTUDYR	ODDIES
	outlet 1 outlet 2 outlet 3	Surplus	Supply
PRESENT PROPERTY AND THE PROPERTY AND TH	Periodal → 123 1223 123	,	(Supply
	P1 710 13 91215 12 15 18	-5	18
plant?	P2 00 7 10 00 9 12 00 12 15	-5	15
1,	B 00 00 7 00 00 9 00 00 12	-5	10
	P, 10 12 14 11 13 15 16 18 20	1-8	25
- Plant	0	-8	25
100	$\beta \infty \infty 10 \infty \infty 11 \infty \infty 16$	-8	20
-V.1			
Demand	20 (01)	10	
	4.	Demand Sing	
	TIO	0-100=10	J .
	-> Cost of Surplus is - ve because it is profit &	we have	to lower
	the cool '		
	- The problem becomes to ansportation problem with p	produce &	Consumer.
	,		
	outlet 1 > outlet 1 gets 10 revis in period	on from	plant 2
, ,	from both plan	1 x 2 au	un period 2
	Outlet 1 gets 10 cenits in Period 3	gram 1	Plant 2.
) 	outlet 2 > Gets 5 units from plant 2 in peri		
	Gets 10 Units from plant 2	11 102 (1.15)	1112
<u></u>	11 10 11 3	3 &	
	5 unit from plant 3 in Period 3 that	were produ	uced &
	stored in Period 2.		
*		· · · · · · · · · · · · · · · · · · ·	in/
	outlet 3- Gets 15 revits from plant 1 & 5 un	its from	2 m remod 1.
	→ "10" " 1 " 3	2.	X
	- 110 " " 1	3	
5.3	***		
	Pro		

	est configuration				(Finp) un	opies]				
The Property of the Party of th	Surplus , 5 units surplus produced from plant 2 at period 1.									
	usea	Sold Rick.	QC or shit P	er Unit'	A DESCRIPTION OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS	The manufacture of the part of				
	25 units surplus produced from plant 2 at period 2 sold									
		Lui & 8 pro,	hit per unit	parameter and the second secon		20 (10 mm) (1				
					CUADANCES SEE AND ASSAULT EXTENSION OF CHARGE THREE SECTION OF THE SECTION OF	n general de la company de				
	, , ,	Total con =	\$1045	or executatives of the second control of the second	The Transport of the Control of the					
					1975年17月1日 - 1895年17日 - 1975年17日 - 1975年1日 - 1975年17日 - 1975年17日 - 1975年17日 - 1975年17日 - 1975年17日 - 1975年17日 -					
	0:- 7	Microsophia inchinenza de un hopolis des dels Estanfessy del Celebrator	de transactivations of the females and the contract and t	chromosphanos potentiario de contrato de la contrato del contrato de la contrato de la contrato del contrato de la contrato del la contrato del la contrato de la contrato de la contrato	eccentument or manufacturing transfer or manufacturing	CONTRACTOR				
	- We a	ne given S	fundard Tro	insportation	Problem with	CONTRACTOR OF THE PROPERTY OF				
	plant	& 9 outlet)		ere au Con y Mais Tomas d'Assaullé e esque sulmaisse maneuré especie de diministration	CONTRACTOR OF THE STREET OF TH				
	Here also, supply & Demand.									
	8 .01	& it is given supply can be rea if plant word overfine								
	at the of person for firm to feet our for									
	The protten can be converted to transportation protten									
4:	with modified costs & redded plants are plant segular									
-	& pla	& pland overtime.								
		Outlet 1	Outlet 2	Outlet 3	Owlet 4	Supply				
	Plant 1	53	50	4.3	44	200				
	Plant 2	50	4 7-	42	44	400				
	0/ /	5.8	55	48	49	40				
(5 per un	it) antinu		endere krisisen av krien i gradisk omte krisisen omte krisisen skrisis hedd i skrien krisissa krisisen om kris	on the entropy of the proposed the entropy of the public proposed to the second	New According to State a 220% or the Port Terror Program of State Community County					
	1) Plow 2	57	54	49	5/	80				
170000	1) Plant 2 Overtime			Ad a surrey warmer's with different property along a parameters who was a factor	MEN DECEMBER SERVICE SENSE SENSE OFFICE SENSE					
		per public de extra 10 mars de la constante de	the or 4.1 days to be delinable (but a some AT) that grapher course invention to state services and new productions and a state but of the contract of the best of the contract of the contra							
	Pernard	250	200	150	7.55					
			kid sacanemen mere tilek kolt til værep verdelik kolt vikke som selle		Prilandi sauden vegetin i generali saj jih kom kari visus Preklandi se u makenga ka					
	The minir	num cost	product & d	elivery Sche	dule are	alculates				
	using Ex	num cost p	ex Solver.							
	Then's	nga kanganan Ampala panganan magi Andahan Andahan Saya ng kanan ganan kanangan an mendi	\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	in specificaciones (Euro), in trada en sociamentes e Euro) de Contrato (Consideración por les	No. of the Control of					
		10/ 1 -> ye	ts 200 uni	t from pla	m/ 20 50 5	loom				
		1ct ! > ye part	2 at overter	nic;						
		* 1								



Quilli 2-9 Yets 200 unit from plant 2. Outlet 3-0 (uto 126 ventione plant) 225 unit from plant 1 at overtione. Outlet 4-0 yets 75 units from plant 1. Jin total comes out to be \$ 32125.	() or ((8 STUDY BUDDIES)
- Outlet 4-s yets 75 units from plant 1.		Outlet 2 - yet 200 unit from pla	nd 2.
		Quitlet 3 - Ciets 126 Denit from plant 1 & plant 1 at overtime.	25 unit from
In total come out to be \$ 32125.		-Outlet 4-s yets 75 units from plant 1.	
		The total comes out to be \$ 32125	•
	2-12/2-		
		The state of the s	
	*		
		AU W	A CONTRACT OF THE SECOND SECON
			Service de la company
	A Section 1		
		The state of the s	