	TOPIC Lawrey your CS20BTECV 110B3TE
	Canven Tutarial 6
	All veitors each team are of the form [i Pad]
	Ideal Produceable: 60007 Profit: 47
	(fer unit) [21011000]
	Mon Demanded = [18000]
(a)	let X = [n] he the vector to refresent the proportion
	L x3 I of time for such product
	is persportional to time taken to produce each item
	is proportional to time takes to produce each seem
	Our Objective f = mon (5. x T. (diag (Profits). Ideal Productule)) = max (5. x T. (20000 x, +150000 x2+150000 x3)
	= max (5-27.1200007, +15000072+150000 x3)
	Our constraints = [1] = X = [0] (13 21, 22, 230)
	$\begin{array}{c c} & & & \\ & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & \\ & & & \\ & & & \\ & & & \\ & & & \\ &$
	5.x7. (diag (statage) Ideal Production ≥ 6000 (1200 × 1 + 1125 × 2 + 3150 × 3 ≤ 6000)
	(120071+1125 x2+3150x3 5 6000)
	Montemater 5 x 5 ding (Ideal Producable) X = Min Delivered
	(16000) (30000×1) > 5000 (16000) (15000×3) 4000
	let 4= [4] he the vertex to refresent the amount
(6)	I south broduct broduces
	To lead Producted Reinfrord = reinfrord of elevants of Ideal Producte
	Total Preduable_Reinfroral = reinfroral of cherons of Ideal Productile IPM = [116000]
	L1/3000-

	TOPIC
	Our objective f = max (47. Profits)
	= man (44, +642+1043)
	Our constraint = 1 4 = 0
	Marx Demandel » Y & Min Delivered (10000) > (4) > (5000)
	47 Storage = 6000 (8000) [43)
	47 Storage = 6000 (93) (93) = 6000 (93) = 6000
	y₁ + y₂ + y₃ ≤ 5 6000 5000 3000
	marionium peroduce in a mede
(c)	let 2= [2] he the vertes to refresent the amount of
	L 23 I was spert on each firsduit
	Per Kaus Producable = Johal Producable = (750)
	PMP 8 (375)
	Our Objective fr= man (12 T (diag (Proper) PRP)
	(1000)
	= man (32, +3.7522+3.7523)
	eur constraint = (40) > 2 > (0) (40 > 2,20,23 > 0)
	2^{T} $ $ $ $ $ $ $ $ $ $ $ $ $ $ $ $
	2 ¹ (ding (starage) PMP) = 6000 (302, + 28.12522+ 78.7523 = 6000)
	(302, +28.12522+78.7523 = 6000)
	Marchemander 3 & diag (Pup) 2 = Mis Delivered
	$\begin{pmatrix} 10000 \\ 15000 \\ 8000 \end{pmatrix}$ $\begin{pmatrix} 21 \\ 22 \\ 23 \end{pmatrix}$ $\begin{pmatrix} 3000 \\ 4000 \end{pmatrix}$
	(15000) (23) (4000)
(d)	The relationship below (a) &(c) is that (a) refresents
	the proportion of time spent while ce, refregents the time spent : 21 = 40 n, , 22 = 40 nz, 23 = 40 nz
	time spent : 21=40x, 12=40x2, 23=40x3
	as total 40 hrs in a meale
	2 = 40x