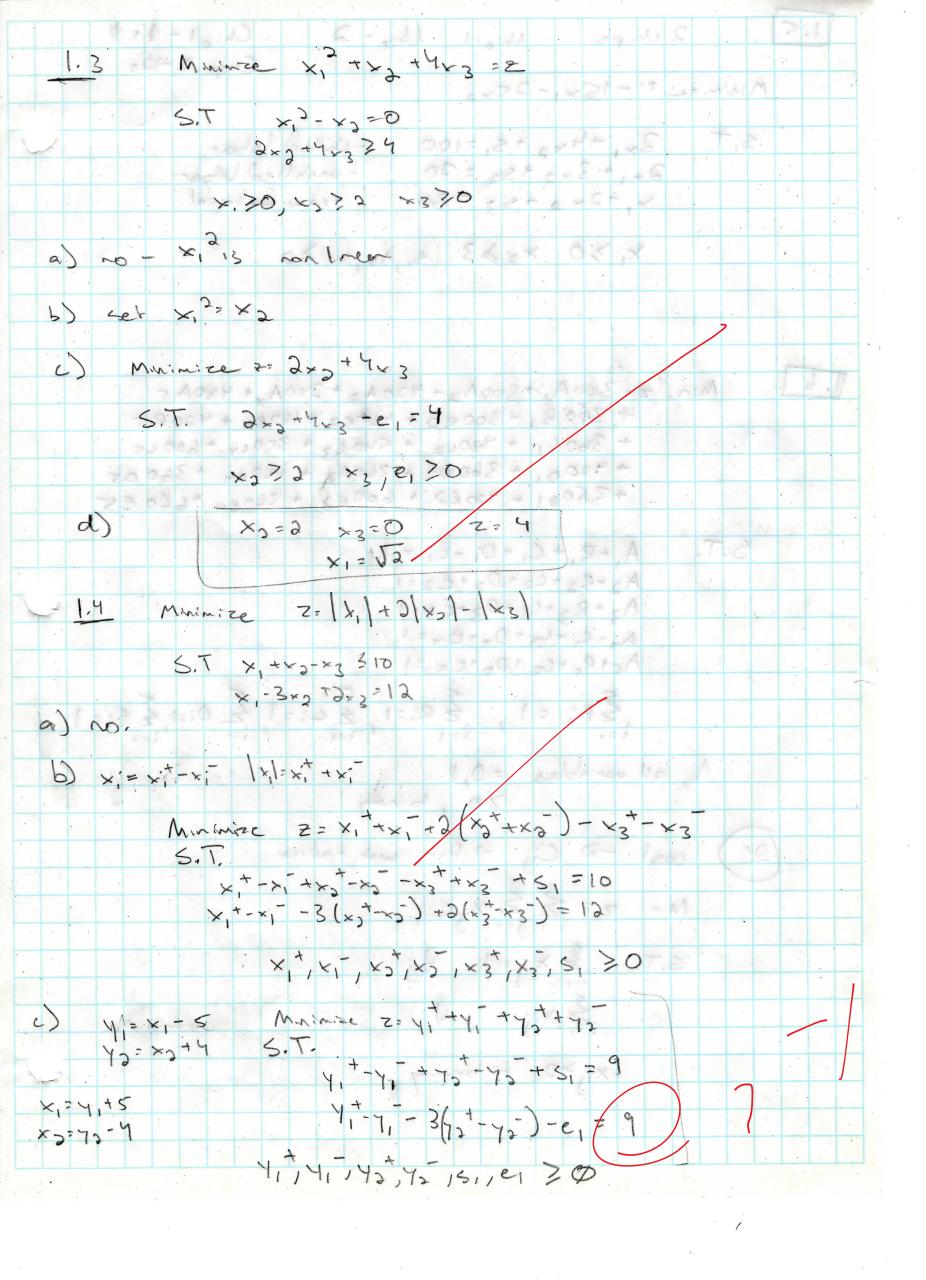
7 2	ESOS
	# 2 = 2+ + 4-2+ + C= 1
Lea	L Nestico
1	
1.	1 a) Mn Z24x,+ J2x2-0.35x3
(,	
	S.T -0.001 x, +200x2 > 7)261
	7.07 ×2 - 2.62 ×3 <-4
	x, , x 3 ≥ 0 = 3 = 4 (1 x - 1 x) G = 3
	Min == 4x, +55(x2+x2) - 0.35x3
	5. T -0.01 x, +200(x2+-x2-)-e, =7] 261
	7.07(x2+x2)-2.62x3+5,7-4
	x >= x 2 + - x 2 - x , x 2 , x 2 / x 3 / x
	A SERVICE OF THE RESIDENCE OF THE PROPERTY OF
6)	Max -3.1x, +252x3 -x3
	S.T.
	30 30 = 2
	100x, -20x2 = 7 -11x, -711x2 - 2x3 < 400 (x, > 20, x) > 0, x3 > -15
	"x" - +11x3 - 3x3 - 120
5	Min 2= 3.1x - 25x3 - 43 +15
	73=73-15
	ST. 100x, -20x2=7
	-11, -7 11 x 2 - 2/3 + 5/ = 370
145	
	x, ≥30 x3, 433@
	c) hax z: x, +3 x 2 - 2 x 3
	S.T
	-253x, -5x2515
	11 5.5×, +20×2 540
	x3 ≥ 0 ×3 ≤ 10
10. 1	
	M: 1 2=x+x=-3x2-243
	< T 7/ + -1 1 = - 3
1	S.T. $3(x_1^+ - x_1^-) - 5x_2 - e_1 = -2$ $3(x_1^+ - x_1^-) - 5x_2 + 5_1 = 15$
	3(x1,x1)-2x3+21=12
	-5(x, +x,)+20x2 -e2 = 11 -5(x, +x,)+20x2 + 52 = 4
	-5(-1-2)+30>2+52=7
	1 x, x, x, x, 20, 13 > 10

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[1.5] 2	hps chip-1 Ch	4-3 Ch: p1-15\$
Minimize	z - 15 x 1 - 25 x 2	Cup 3-925
S.T	3x, +4x2 +5, =100	-skilled labor
	2-1+3×2+52=70 ×,+2×2+53=30	- unskilled labor
	x, 1x x 2 1 3 3 1 30	
	x, >0 x2 >3 5,	32,5320 20
11.6] Ma	2-300 A 1+300 A 2+ 42	0 4 - + 240A, + 480AC
111111111111111111111111111111111111111	4360 B1 + 300 RD +	480 B3 + 180 B4 + 420 B5
5.7.	+ 360 (+ 480 () +	540 c3 + 300 c4 + 600 c5
	+ 42001 + 36000 +	36003 + 18004 + 36005
	+360E1 + 720E2 +	600E3 + 360E4 + 660E5
< T	1.0.1.0.5 -	
S.T.	A, +B, +C, +D, +E, = Az+Bz+Cz+Dz+Ez=1	
	Az+Bz+(3+03+E3=1	
	Ay+ By + Ly + Dy + Ey=1	
	Ast Brece TOSTES =1	
	SA; =1, 28;	1, 2 Li=1 & Di=1, 2 Ei=1
A		
	all variables = 0, [
	20,6	
(00)	st & Cij - From	cost matrix
M.	~ 2= \(\frac{2}{2} \frac{2}{2} \text{XijCij}	-tals-7-4x
S.	CA 121. X 3.	c × 1/9 1 × 1
	* X X X X X X X	
		7 3 1 A
	SX; >0 -2 brain	
		A PAPEN
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