2 (a) 1'4 V	. V	Leare was to	Date. Page.	\
minimi	j be the hymber o	Xij 150	om i toj. Ci	be the distant
×13	\$ X11- \$ X1	j >, 10 - 110. tha	tis Exil-	X15 >> 40
	最X12- 强X	2; >,200-335	5 X12- 5X	2]>,-135
	13 × 13 - 15 ×	(3) > 1600 -400	A Xi3 - 系	(3; >, t20)
	7 14 jit	4j >1420 +200	134 - 24 134	(4) >,-220
1 b) 00ti-	Solution X24	1 30 4 1 1 1 TO	XII > Z	5 > 0-220
optima	1 solution 124=	=135 X31=40 X = X41=40	Xij >>0 SH-85 X36 >7 X43 - 200 X2	54=20 Xii=0
7 - 17 10	ii valdo.	2400		other
	lge (Xis=1) or do	JASTION (XIJ-0)		
				_
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Date A Pool	30n7 H	WI.	twe		
1(a) let	Xi be type I's	andustina. X	2 be 2's.		
c) m	aximize $(9-1.2)$	1x, + (8-0.9) X2			1
×		maximize 7.8 XI+	7.182		
	s.t.	x · x 2 x · + 4 x 2 ≤ 90			1 20
		± x1+ t x2 €80			3 1
		XI, XT >0.			
(b)	minimize -7.	8 K1 -7. X2			
	W.W.	(1+ 4 X2+ S1=90			
	_	x, + t x2+52=80			
		(1, X2, 51, 52 7,0.		1 - 1	487-14
(c) 10	and the state of the state of	time hours.	24		- 1 T
(0) 10		8x1+7.1x2-8x3			
5 X1 0		\$ \$ X1+ \$X2 € 90		4 - A - 2 4 p	ton ilit se
	5.0	2X1+6x268		38 mm - 1 2 ⁹	15 -4
Em. to	200	X3440	P T T T T T T T T T T T T T T T T T T T	N 1 18	STAC LINE
35"	A 11- 01	X11X2 X3 71	0 1 3 1	10 M W 4 5	the state of
(0)	potimal coluti	ions are XI=			a Lexistania bal
	opcimal soluci	utive value 2	760.		
	Optimal obje	A.S		14 -	
2. let	y = X1 - X3].	42= X+2 X	Q Y3=1x4	standar	
UX		ize ZX2ty,	<i>→</i> >	winimi28	2×2+ y.
	5. t.	y2+y3 55	1 -	~1 X1	yz+yst51=5
	TORKE THE	90i X3≤1			X3+52 =1
Y	3.7 18 5	X3 >/-1		14/0.21A	-X3+53=1
		41 3 X1 X	No diam	15 -36.	X1-X3 + 4 + 5 4=0
			+X3-	14-1	- X1 +x3 - Y1 + 55=0.
		y2 >/ X1+	-	- X	X1+2-42+56=0
		927-X		, i	-X1-42+57=2
		E21 1067	145 Er Hot		X2 - 43 + 58=0
			(2 1/4 2)	A Par N	- X2-43+52-0
				Bee	sizo di