Inventor of simples

Z = 120x + 100y.

subj. to

201 + 2.54 5 1000

3x +1.54 51200

1.5x + 44 51200

x14 >10.

Sol7:

Converting cannonical form to standard form.

Max. Z = 120x + 100y + 0.5, + 0.52 + 0.53.

Subj to

2× +2.54 +51 = 1000

3x + 1.54 + 52 = 1200

1.5x +4y +53 = 1200

d, 4, 5,, 52, 52 >, 0

Ist steelion

		No.							
rion				•		0			
	cj	120	100	5,	s.	32	Ь	0 = bi/a: 1	c.
e;	CNS)C	9	-1	0	10	१०४०	1000/2 = 500	
0	SI	2	2.5	* 6	11	ď	1200	1250/3 = 400	- Kin
0	52	(3) etc	2.12	0	0	1	1200	1500/1.2 = 800	1 ,5%
0	S ₃	1.5		0	0	0			
Ei	= Zeiaij	0	0	•	0	0			
	C; - E;	120	100	0		277			
	2 -	1							

Cincoming variable)

			ci /	120	100	0	0	0	-4	b	Di=bilo	ik kr
		ei	CVS)C	W.S.	S ₁	S2 -0.6	53		200	200 - 133.3	
	evot-	0	2(1	0.5	, 0	- 0.33	. 0		450	400 = 184.	.b
Men	w Pirot	0	53	0	3.25	* 0	-0.4		•	600	3.14	
		E: =	Zei aij	120	60	. 0	39	.6		1	• (
		-2		10	40)	0 -3	59.6 0			í,	
		-3	3	<u> </u>	4	Kc						

In Coming

Intersection X (Consespondis alements)

of old low X (In how pivot)

ex Key Colom) vosiable. New Row Element = Row to be replaced

	ej	120	-100	0	0	6	•		*
e;	CYS	>0	Y	51	SZ	Sa	b	0	7
100	4	0	. 1	0.66	-0.44	0	133.33	0	
120	20	1	Q :	0.33	0.22	0	333.335		1
0	53	0	0	-2.145	0.935	· I	166.67		
Ej =	Se; aij	120	100	26.4	22	0			
	Cj-Ej	O	0	- 26.4	-22	. 0	1		

As Cj-Ej sow contains o and -ve valve solution is the optimal solution

y = 133.33 UMX

 $= 120 \times 333.33 + 150 \times 133.33$

Z - 653,332.1

1-15x0:11 6.5/5/15