	_ _						_ DAT	E / /	1		
	#	Vogel	Ap	proma	nation	Mex	hod				
	d. 1200	da	0 3	94	Supply		P,	P2	Paf	4	Pr
Ot	-11	117.5		14			2	1	-		-
02	18	18-	1275	10-	300	1250	4	4	4	9	
03	21				496	1250	3	3	3	3	3
demand	300	235									
	O	178	0	125							
P	5	5	1	0		11 1 2	00 +	1325	0 +		
Pa	+	5	1	0		18 × 17	15+	10712	5 +		
P3	+	6	1	0		13+2	75 +	101	125	4	
Py	+	-	1	0							
PE	-	-	13	10							
-											

15 -	
,	Matrix Minima / Low Cost
=	1.00 112
	D. D2 D3 D4 Supply
	14 5 140
0,	6 4
Do	86 99 21 7 18 18 90.
0.0	-21-6-29 XXO
03	
denond	6 18 18 4 35
00-	0 9 1 0
	1214 + 8264 929 + 221 + 321 + 224
	1214 + 8264 520 +

					DATE	
#	North	West	Corner	Rule	,	
	die	d2 d	3	Supply		
0,	-2-	-7-4	_	\$ 0		
02	32	36-1	-	8 6	0	
03	S	-43-7	4	7 4	0	
Oy	1	6 2	14	140	41	
deman	d 7	9 1	8	34		
	34		У	balonced		
	0	0	0.			
2	2×5 +	3×2+	3×6	+ 4x3	+ 7 × 4	+ 2×14
			ilele.			1.

Dual form @ Mox Z = x1+ 2x2+ x3 Subject to 2x1 + x2 - x3 <2 -2x, + xe-5x3 7,-6 420 + 22+ 23 < 6 21, X2, X3 7,0 Mox 2 = 21 + 2×2+ ×3 Subject to 2x1+ x2 + x3 <2 2x1 - x2 + 5x3 < 6 4x1 + x2 + x3 56 Dual form min z = 2w1 + 6w2 + 6w3 Subject to 2x+ x2 x3 3+ 2w, +2wz + 4w3 71 W1 - w2 + w3 7/2 -w, + Sw2 + w3 7/ 10, W2 W3 %0

											1
4		As	signm	ent	Pr	oblem	(1	20)			
			J2					)			
	1	12		21			0	18	9	3	
	2	18	33	9	31	=>	9	24	0	22	
	3	44	25	24	21		23	4	3	0	
	4	23	30	28	14		9	16	14	0	
								U			
	12	+9	+ 25	+ 14			0	14	d	3	
							g	20	10	22	
							23	101	3	0	
							aj	12	14	101	
		Name :									

#	Simplex Method							
	more Z = \$ 40x + 30x2							
	subject to x1+212 < 12							
	$2x_1 + x_2 \le 16$							
	X17,0 N27,0							
	X, N2 5, 52 1 RH5							
	1 1 0 12 12							
	[2] 1 0 1 16 8							
	-40 -30 0 0 0							
	212							
	1 1 1 0 12							
	1 1/2 0 1/2 8							
	-40 -30 0 0 0 -30 + 42							
	r,-r2 r3+40r2							
	0 [12] 1 -12 4							
	1 1/20 1/28							
	0 -10 0 20 320							
	Y, *2							
	0 1 2 -1 8							
	1 1/2 0 1/2 8							
	6 -10 0 20 320							
	72 - 1x, 73 + 10x,							
	0 1 2 -1 8							
	10-114							
	0 0 20 10 [400]							
	x=4 x2=8 Z=400.							