	· When we consider the initial IBFS,			
	0 1			
	which are all with			
	1010 1010			
	this, we introduce outificial variables A., Az, Am			
	mich +hal-			
	$a_{i1}n_{i} + a_{i2}n_{2} + \cdots + a_{in}n_{n} - s_{i} + A_{i} = b_{i}$			
	where, A, A, Am >, 0			
de Moss				
	. The notern now has n + In realiables with			
	in equations. Hence there can be only in			
	basic regriables extrict means in a BPS n+m			
	of reariables should be 0.			
	· Thus we consider the 1BFS as			
300	$\lambda_1 = \dots = \lambda_N = 0$			
3 1	$S_1 = \cdots = S_m = 0$			
y ey	$A_1 = A_2 = A_m \neq 0$			
	$A_i = b_i$			
	Remarks:			
	. The artificial variable and the vectors associated			
	with them have no physical organificance			
	and the goal is to remove these lareables			
	from BFS.			
	· This is achieved by assigning the frice parameter			
	to these sociable in the Pollowing was			
	to there variables in the following way:			
	i) Assign & sign a very high negative fine, -M			
	if it is a marsinization problem or a very			
	high positive price, +M if it is a minimization			
	hioblem.			
	ii) & compaint with 7 sign will always			
	Med a gruphy and an autilitial warialty			
	Marie			
	If the optimal on has an artificial regulable			

						- ALL WOLL
	a	a ba	sic vai	Nable, there is no fe	esible	genran
		to the	ЦРР.	tificial variables with law	1.30	in knowen
	iv) 54	ris idea	of a	Hibrial variables with law	ge price	10400
		as Cha	uno's B	ig 1) method of the fee	ratty v	Victoria di Constituti di Cons
Q.	Min	MX =	774 + BA	2 + 3713		
				7,2		
				75		
		71,2	1, 7,0			
		form				
		0, + 02	+ 0.72	$-S_1 + A_1 = 2$		
		21 +0.	7/2 + 7/3	-s2 +A2 =5		
	mi	in 2 = "	421, +891	2+323+ 0.5, +0.52+1	MA, +1	MA <sub>2</sub>
		<b>n</b> ,	, a >, c	$S_1, S_2 > O$ $A_1, A_2$	7,0	
	M	in A	is eq	uir to may - A		
				1 1 1	Λ.	1 A — MA
0	•	· may	Z =	= -401, a -8x, -3a3 + 0.5, +0	1.52	1747
	. 0	Ca			. 5.	
	100	ifs:	The second second	12=99=0		
,,,,,	Nes D		51 = 5		<u> </u>	
	John S.		1.1804.6	$A_2 = 5$ $A_2 = 5$ $A_3 = 5$ $A_4 = 6$ $A_5 = 6$ $A_5 = 6$	<u> </u>	
25 th in 12	ent	T. F	G	Control of the Contro	Ratio	N. P.
To war.	GB	B 2		9, 9, 9, 9, 9, 9, 9,		
· p	-M	-	5	2010-101	2.5	annu
	-M		2 3 Zi-cj	+3m -M -M M M O O	-	me don
	-4			1 1 0 1 0 X 0	1-0	aremore
0 . 0	The Parkett	$\begin{vmatrix} a_1 & \alpha \\ q_7 & A \end{vmatrix}$	-	(0-21 2) -1 × 1)	<del>-</del> /2	مناوره
R2 € R2 - 2	~	THE RESERVE OF THE PARTY OF THE	2 1 - G	0 2M -M -2M M X O		
o Rie Rit	R2 -4	9, 2		1 0 1/2 0 -1/2 X X	. 1	
R26R2/2			1/2	0 -1 1/2 1 -1/2 × x		
2 42		do		08102 % %		3 AU 7,0
		2				, oppmat
[5/2,010]		• 01.	= 5/2	$S_1 = 1/2$ , $\alpha_2 = 0$ , $\alpha_3 = 0$		802
1			ris = 4			