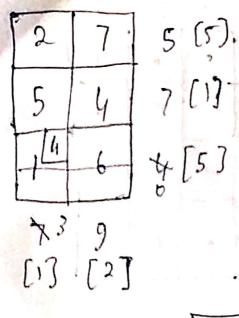
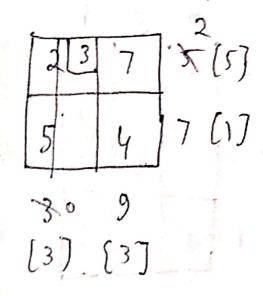
Name: Adithya.M USN: 1861795003 OR Assignment = 2 VAMS

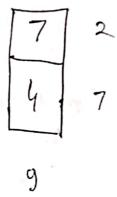
MODS method

	and to the			
0)	2	7	14	5.
	3	3	1	8.
	5	4	7	7
	1	6	2	14
	7	8	18	The same
	capply	ling V	AM,	4

		4	4		
	2	7	4	5	[2]
5	3	3	8	30	[2]
	5	4	7	7	[13
1		= -		/	(*)
10		6	2	14	
	7	9	18-10		ر
		Ĉij	[1]		
	2	[2] [2	27		
		7 /4	_ 5	[2]	
7	5	4/7	77	[1]	
	1	6 10 2	1741	[1]	
, -	7	9	y G		







Total cost = 8x1+ 10x2+4x1+2x3+7x2+4x7 = 80

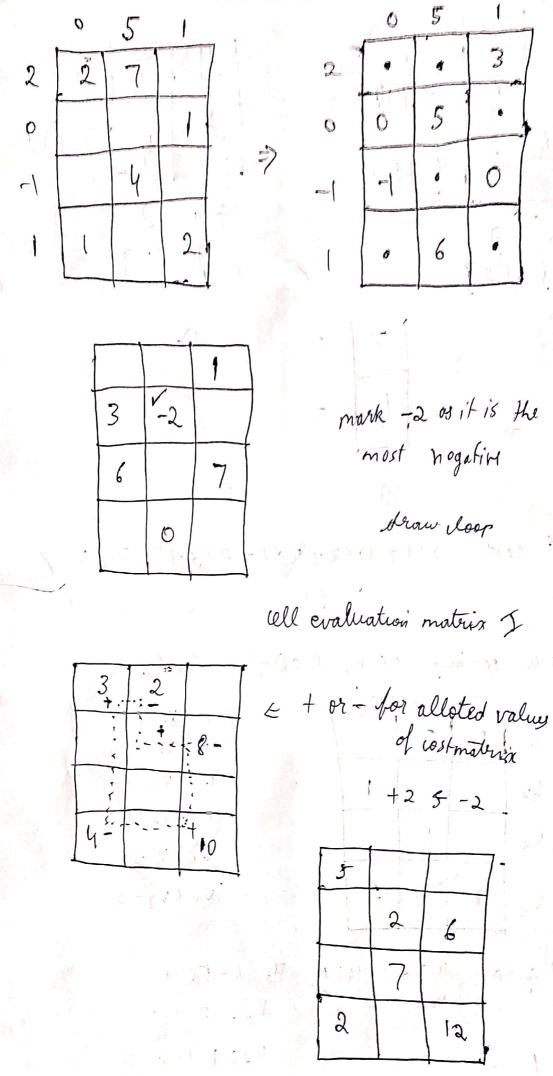
Now optimize using MODJ. method

	, V ₁	V2	V ₃
u, .	2	7	
42		, ~,	1
U ₁₃		4	
Vy			2

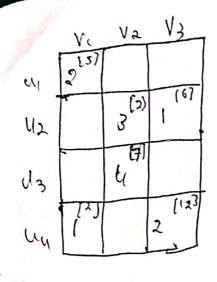
U1+ 1=2	
- VIT V2=7	
U2 + V3=1	
U3 + V2 = 4	
V4+V1=1	
V4 + V3 = 2	

put
$$V_{1=0}$$
 $U_{1=2}$ $U_{4=1}$
 $V_{2} = 7-2=5$

$$u_3 = 4 - 5 = -1$$
 $V_3 = 2 - 1 = 1$
 $u_4 = 1 - 1 = 0$

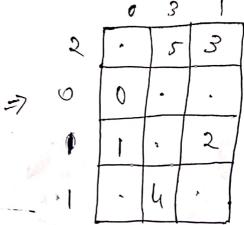


Scanned with CamScanner



$$V_3 = 2 - 1 = 1$$
 $V_2 = 3$ $U_3 = 4 - 3 = 1$

*	0	3	1
2	2		
0	7	3	1
1		4	1
(1		2



·	2	
3	,	
4	**	5
-	2	
	***	3 .

-> All evoluations

matrix I

There are no -v1 values in the current all evaluation matrix, chence soln is optimal total cost: 2×5+3×2+1×6+4×7+1×2+2×12

= 76