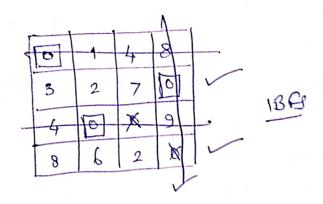
Designment Suggest optimum assignment of 4 workers A,B, c and D to 4 Jobs.

I, II, II & II. Time taken by different workers in completing the different jobs is given below.

		I	O Je	III .	P
	A	8	10	12	16
Workers	8	11	11	15	8
10001012	C	9	E	5	14
	D	15	14	9 .	7

Soln:

1	0	2	4	8	
	3	3	7	0	_
	4	1	0	9	
	8	7	2	0	V



				-
1	0	1	4	10
	1	10	5	×
-	4	×	0	11
	6	4	X	0
1		AND THE PERSON NAMED IN COLUMN	- Secretarios de la companya del la companya de la	

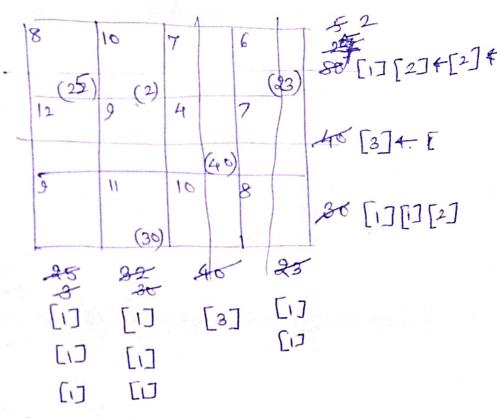
Find the Optimum solution for the transportation problem.

Sink

1 2 3 4 Supply

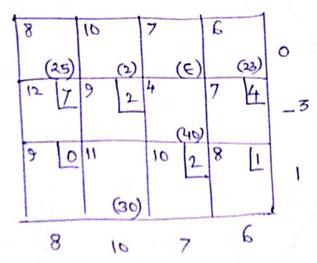
1 8 In 7 6 50

1		1	2	2	4	Sorbbold
		8	10	7	6	50
Source	2	12	9	4	7	40
(00000	3	9	11	10	8	30
		25	32	40	23	



Check for optimally

Alocating ∈ (€+0, ≠0) to cell



As all allocations are 70 solution is optimum

$$T.T.C. = R_5 \left[(8x25) + (10x2) + (6x23) + (4x40) + (11x30) \right]$$

$$= 200 + 201 + 461 + 160 + 330$$

$$= 138$$

(3) We have five jobs, each of which must go through.

The two machines A and B in order AB processing times.

are given as below. Calculate Lage utilization of each

martine.

Job	1	2	3	4	5
Maclifne A	5	1	9	3	10
Machine B	2	6	7	8	4

9	1.	13	5	1
\propto	1			

Т.	Machine A			Machine_3		
Job	tin	tout	tidle	tin	tout	tidle.
2	-	1	_	1	7	01
4	1	4	-	7	15	_
3	4	13	_	15	22	_
5	13	₹3	-	ર ુ3	3 7	01
1	23	28	<u> </u>	28	30.	01

Rotal elopsed time = 30 mins.

$$B = \frac{(30-3)}{30} \times 100 = \frac{27}{30} \times 100 = 90.00\%$$

Lauren Borons