ind floor for land with a view to locate one of their sond officer. There 5 main looms in this floor to be assign to 5 managery. Each loom has its own advantages and discoverateges. The room's one of different sizes disheper that of the 5 manageri were asked to lank their loom's preference amongst the room 301-305. These preference were opion in tables. Most of the manageri didnot list all the room's since they were not satisfied with some of these looms. Assuming that these preferences can be considered by numberi. Find at which manager should be assigned to which toom so that there to tal preference homeons.

CONTRACTOR N		
TO	- 1 "	- 5
1cm	200	1

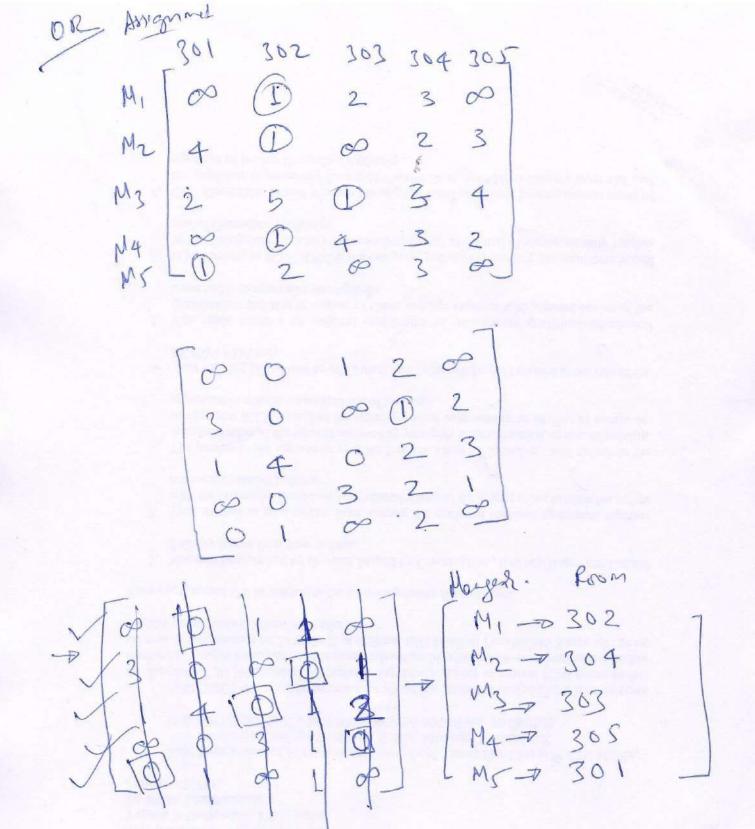
	Ma	ngers		
M, 1	M2	Mz	M4.	Ms
302	305	303	302	301
303	304	301	305	302
304	305	304	304	304
	301	305	303	
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1	MI	MZ	Mz	my	ms
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V	00	-	N	00	क्या
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	1	101	191	3	CX
	60		7	向	O

Managers	Room No.
MI	302
12/5	304
1×3	303
1214	305
Mr	301



A company has foul jobs, the following matrix show the cost of assigning each job to each machine. MZ 121 40 50 60 John Wi 38 .33 41 43 45. 51 59 How should the tasks be assigned to the mich to minuse total Cost ? Colv. Chr Row Epr. 10 16 12 Reduced cancelle donos, asid is I anilon Concelled trice add 2 Not cancelled, subta 2. 40 MY

muliple optimal solution

for airlines that operates 7 days a week how the following time table. The crew must have a minimum layered time of 5 hrs. between flights. Obtain paining of flights that minimises lay-ever time away from home. For any given paining the crew will be based at a city that will result insmaller layered time. For each fairing also mention the topores time. For each fairing also mention the topores the the

High !	Dolhi	- Jaipa	811-01	T	
1400	Deproduce	Accived	No.	Deporting	Belly
101	7.00 am	8.00 am			of Section
102	8.00cm	9.009m	- '	8.000 am	
	20011	1.007M	.202	8.00gm	9.459
103	1.30pm	2.30 pm	203	12.00 0000	1.159
104	6.00 Pm	7.30 pm		5.30 pm	

Min Layorer time = 5 hrs. Lunit = 15 min.

Recut

· Layover time wite. Delhi as HQ.

Reaches Ey pught > Leaves Japan By Flykino

* Layorer time with

1 1 201 202 203 204

X	201	202	203	204
101	2474	2474	2874	3.30 M
101	=96	2374	27 >4	38
102	23.74	92	108	250/1
	17.30	17-30	21.30	27
103	170	70	86	108
104	12.30	15.30	16.30	22
104	50	20	66	88

	201	202	203	204
101	21.45	85	71	49
102	22.45	29	7-5	23
103	113	111	97.	75
104	8:45	33	115	93

Minimum Layover time matrix

		1140.1	7	
	105	202	203	204
101	87*	85	71	38
102	191	89	75	34
103	7-00	700	860	7-T X
101	+ 135 Y	334	600	28

* with Delhi as HQ. * with Jaipul as HQ. # with both Delhi & Jaipul as HQ.

Row OPN: Colm op-149 47 17 49 47 33 57 55 41 57 55 25 0 0. 100000 0 0 16 15 Reduinelm - ! Rodge Mel 1 (13) (0) 47 47 ST ST 23 P 10 Concelled have 10 2 10. 10 19. 11 pist concelled. Subtles 2 Minteyove HQ. Flight No. tine. Fligh No. 7-1 Jaipul. 203. 101 34 Delli 204 . 102 201 70 Delly 103

on solving the public it is assumed that a plane thying from Delhi for Joipus must come back to Delhi at the immediate next oppushuky.

202

104

ordy one followed & one letter this and their there must be four planes for four followed & roter forger.

The problem is to determine the optimum pointy.

33

208

Jai pur

A solicitors firm employs typists on hourly piece rate basis for their work. There are five typists and their charges and speeds are different. According to an earlier understanding only one job is given to one typist and the typist is paid for full hour even if he works for a fraction of an hour. Find the least cost allocation for the following data:

Typist	Rate/hour (₹)	No. of pages typed/hour
A	5	12
В	6	14
C	3	8
D	4	10
E	4	- 11

Job	Number of page
P	199
Q	175
R	145
S	298
T	178

8010:

$$AP = \frac{199}{12} = 16.5 \% 17 \times S = 85 \mp$$

$$CR = \frac{145}{8} = 18.12 \% 19 \times 3 = 57 \mp$$

