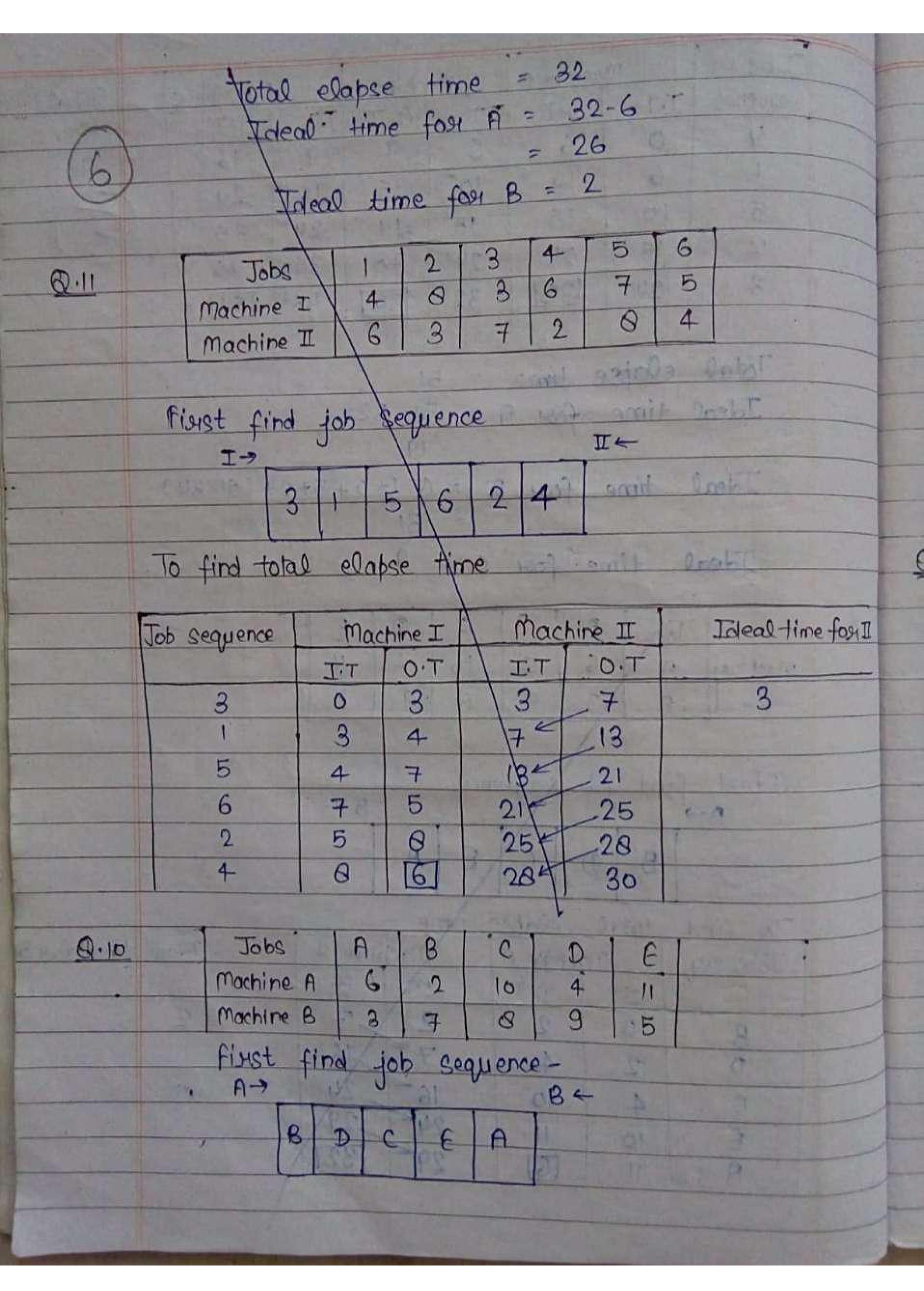
cossiesponding to machine B is written from right to left from end of machine.	
to left from end of machine. If min. time is of machine A then carrierpan. If min. time is of machine A then carrierpan. If and other job carrierpanding to A machine is written from left to right from the begining of sequence. If min. time tie in machine A and B then take difference of machine A and B carrierpanding to tie time and job carrierpaing to loss difference time is written first and then second min. It me and so on correspond to machine A and B. To find total Elabse time—	
Job Machine A Machine B Ideal time Sequence In time out time In time Out time for B machine 3 0 3 7 10 3 4 3 7 10 15 5 7 13 15 40 00 00 00 7 13 25 25 33 2 25 32 33 39 39 G 32 39 39 44 , 1 39 44 44 44 46 Total clapse time for A machine 446 42 Ideal time for A machine 446 42 Ideal time for B machine 446 42 Ideal time for B Machine 446 42	

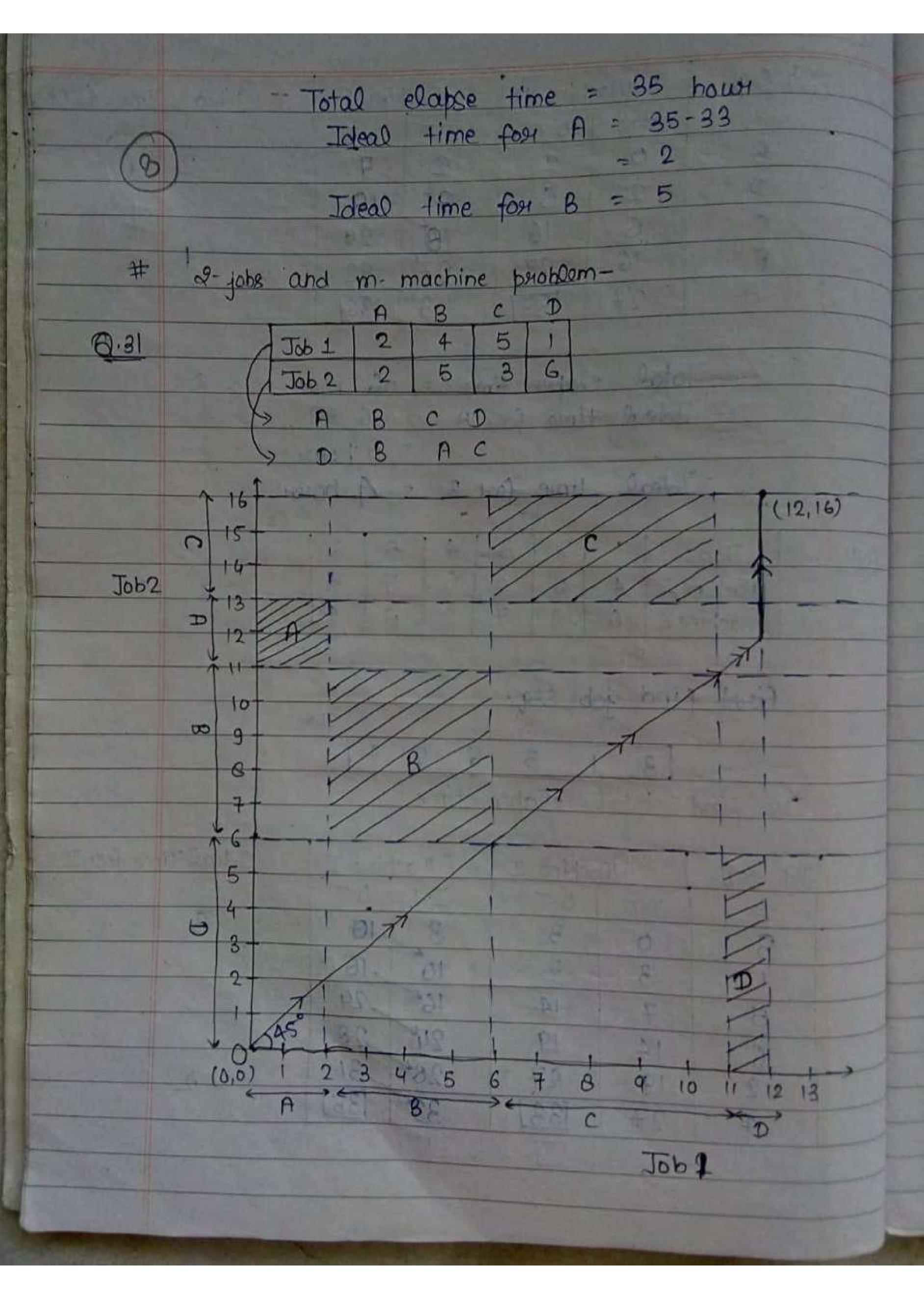
Q.9	Jobs Mine M2	3	2 3 1 15 10	4 5 6	6 7	PATER 180			
	This is	4 jol	os and	two n		beroblom.			
	m		d sens		4				
		5	3 2	4	6				
	To find	total es	labse time						
	Job	- Mac			e B	Ideal Hest			
	Sequence	In time	Out Time		Out time	Time faal B			
	ar ar	0	3	3.	05	2			
	85	.0	20	13-	25	3			
	2	13	28	11. 6	50	2			
	1.	28	46	50 K	56				
	7	46	55	568	50				
	E	55	[66]	66×	1671	7			
	1 0	3	0	D 21	81				
	Total	Total elabse time = 67							
		The state of the s			A = 66				
	Total elapse time four machine A = 66 - 66 Ideal time four machine A = 67-66								
		Ideal ti	me for	machine	8 = 3+2	+3+2+7			
				MILES AND CO.	= 17				
井	n-jobs	and th	vice ma	chine -					
	U								

Ques.16	Jobs 1 2 3 4 5 A 4 9 8 6 5 7 B 5 6 2 3 4 C 8 10 6 7 11
	This is the 3 machine and 5 jobs purcham. Now convert, 3 machine into 2 machine. If any one or both condition is satisfy.
(ii)	$min(A) \ge max(B)$ $min(C) \ge max(B)$ i.e. $min(A) = 4$, $max(B) = 6$, $min(C) = 6$ Hence $min(C) \ge max(B)$
	Then 3 machine can be convert into 2 machine Grand H. i.e. Gr = A+B H = B+C
	Jobs 1 2 3 4 5 Gr= A+B 9 15 10 9 9 H = B+C 13 16 8 10 15
	It's become 5 jobs and 2 machine psoblom. Now to formed job sequence— 4
	To find elapse Time -

							DATES	300	
	Jobs	mach	nine A	mo	ichine B	m	achine c	1	deall time
	Sequence		J.T	T.T	0.T	I.T	D. T		foor c
	4	0	6	6	79	9	16	AH III	9
		6	10	10	15	16	24	6	-
	5.	10	15	15"	19	24	35	(5	
	2	15	24	24	30	354	45		
	3	24	32]	32	34	454	[51]		
							deplu		
	Total	elapse	time	2 = 1	51				
	Idea	0 time	foot	A = .	51-32	HALL buy	Mr. Frank)	1	
		= X:			19		- 1		
	Talea	0 time	for	B =	6+1+0	+5+2-	+ (51-34	1)	
				3	31				
		al time							
-									
0.10		Jobs !	A :	8 c	0	E	WILLIAM .	100	
	Machine	A	6	2 10	4	II			
		<u>B</u>	3	7 8	9	5			
			1	1	-5	0 .			
	First	find d	op Bo	quence	FILE				
-		1-1		1	8	BF			
		B	D	CYE	A	4			
				1	101	(2)			
	T-T	ind tota		lapse 1	the -				THE RESERVE
1	Jobs !		Machin		Mach	ine B	MANUE .	Ideal	time fan 8
1	-	TIT		D.T	1.7	TIO	Marie Holy		
1	8	0			2	7	25 1 Fan 3	2	
1	0	2	1	tamout a	1007 10	16	3200		
1	-	4	2 30	0	16	24	E-13		
	0	10		11 1	24	29	4		
		4 11	1	6	29~	[32]			
							1		
	E BLOSTO						1		



	Job seq. Machine A		Machine B	- Ideal Time for B					
		T.T O'T	I.T O.T						
	В	0 2	2 9	2					
	D	2 6	9-18						
	C	6 16	18 26	3 1					
	6	16 27	2+ 32						
	H)	27 [33]	33 36						
	Total elapse time = 36 hour								
		Ideal time for	4 A = 36-33						
			= 3 hower						
		Ideal time fo	of B = A how	91					
0 11		111213	1415 6						
9.11	Jobs		6 7 5						
	machin		2 8 4						
	machine II 6 3 7 2 8 4								
	first find job seq. III [3 1 5 6 2 4] To find total elapse time								
			-	-10-0-					
	Job 589.	Machine I	Machine II	Ideal Time for II					
		I.T O.T	I.T O.T	2					
	3	0 3	3 10						
		3 +	10 16						
	5	+ 14	015 00						
	6	14 17	24 21						
	2	07 [20]	20 351	2					
	1 4	21 1001	1 33 13-1						
	-								
			NAME OF TAXABLE PARTY.	NAME OF TAXABLE PARTY.					



Total elapse time for job 1

= working time + rest time

= 12+4 = 16

Total clabor time for job 2

(9)

Total elabse time for job 2

= working time + 91est time
= 12+4 = 16

This is 2 job and 4 machine problem then it is solved by chaptical method. Taking job 1 on x-axis and job 2 on Y-axis. Then thock draw the blok of machine for job 1 and job 2 with carriesponding to job sequence of machine according to their given time.

Then find common blok of machine A.B.C.D. on the graph, Which is represented by blok A.B.C.D. Then find starting point and contains and finishing point F(12,16). It is the value of X on job 1 and 16 is the value of Y on job 2. We have to start from 0 and goes to F through a line which 45°. This line may touch on more the boundary of blok but does not cross the blok. The time corresponding to job 1 is 0 for job 2 and vice varsa. Then find total classe time, which is obtain by etatal ellapse time for job 1

= wasking time + rest time

Total elapse time for job 2

= working time + rest time

= 12+4 = 16

At 45° line both job work sym on job!

job 2 is at nest, on job 2, job! is at nest.

The 45° lies which is past fined in blok converboling

