Pamper's Algorithm

Consider 5 job 3 machines, **determine** the optimal sequence of order, MET, Idle times.

	M1	M2	M3
J1	16	18	12
J2	14	10	11
J3	13	20	15
J4	19	15	19
J5	15	16	16

Min M1 =13, Min M3 = 11, Max M2= 20.
Min, M1 and M3 is not greater than Max M3.
Condition fails.

	M1	M2	M3	Weightage	Rank
J1	16	18	12	16 x -2+18 x 0 +12 x 2= -8	5
J2	14	10	11	-6	4
J3	13	20	15	+4	1
J4	19	15	19	0	3
J5	15	16	16	+2	2
	-2	0	+2	----------	

J3	J5	J4	J2	J1

Total Elapsed Time = 107 hrs, idle time: M1= 40 hrs, M2 = 28 hrs, M3=34 Hrs

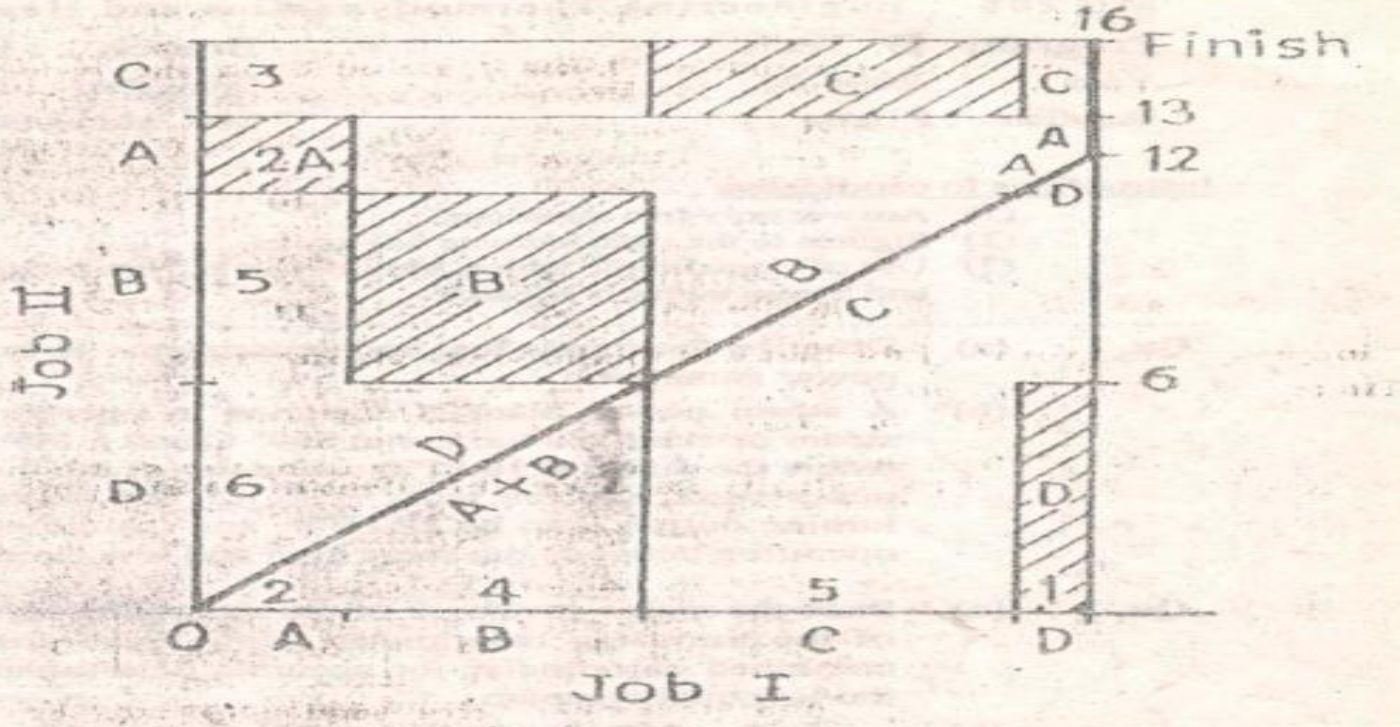
Ques. Two jobs are to be processes on 4 machines in the sequence ABCD for Job 1 and DBAC for Job II. The processing time is given by :

sequence *ABCD* for Job I and *DBAC* for Job II. The processing time is given by

Machines→	*A*	*B*	*C*	*D*
Jobs				
I	2	4	5	1
II	2	5	3	6

Find the optional scheduling of jobs.

Hints. Draw graphs for Jobs I and II.



Idle time is 4 for Job I

Idle time is 0 for Job II

Elapsed time = 16.

Scheduling of operations for Jobs on machines are shown by the thick line.