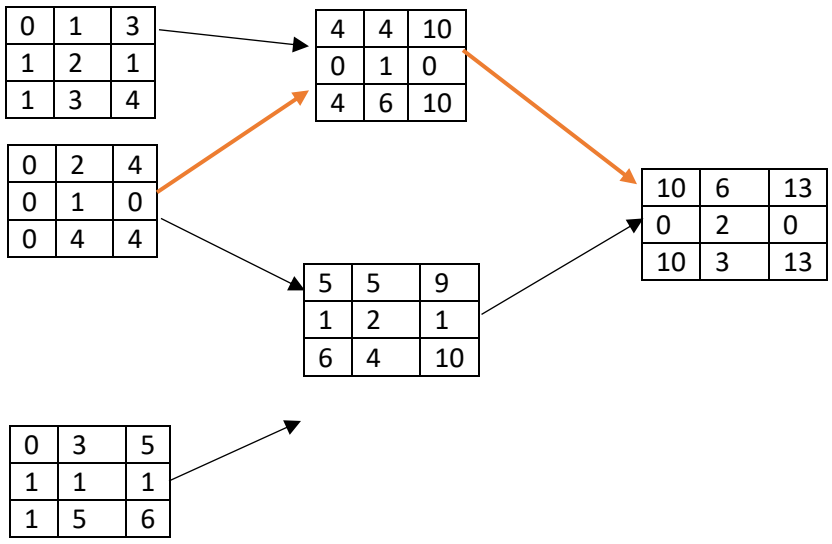
Problem [1]



Critical path is 2 - 4 - 6 = 4+6+3 = 13 weeks

The total completion time of the project is 13 weeks.

SCHEDULED RESOURCE LOAD CHART WITH ES AND SLACK UPDATES

ID	RES	DUR	ES	LF	SL	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	2	3	0	4	1	2	2	2													
2	1	4	0	4	0	1	1	1	1												
3	1	5	0,1,2,3	6	1, 0, -1, -2	X	X	X	1	1	1	1	1								
4	1	6	4	10	0					1	1	1	1	1	1						
5	2	4	5, 6, 7, 8	10	1, 0 -1, -2						X	X	X	2	2	2	2				
6	2	3	10, 11, 12	13	0, -1, -2												X	X	2	2	2
RESOURCES SCHEDULED						3	3	3	2	2	2	2	2	3	3	2	2	2	2	2	
RESOURCES AVAILABLE						3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	

List the order in which you scheduled the activities of the project.
(2, 1, 3, 4, 5, 6)

Which activities of your schedule are now critical? 2, 3, 5, 6

Recompute your slack for each activity given your new schedule. What is the slack for activity 1? 4? 5? (1 = (0), 4 = (2), 5 = (0)

Log of Parallel Method of Scheduling 8-3

PERIOD	ACTIVITY	CHANGES
0-1	2	Schedule Activity 2 (first by minimum slack rule)
	1	Schedule Activity 1
	3	Delay Activity 3 ES to period 1. Reduce slack to 0
	5	Delay Activity 5 ES to period 6. Reduce slack to 0
1-2	3	Delay Activity 3 ES to period 2. Reduce slack to -1
	5	Delay Activity 5 ES to period 7. Reduce slack to -1
	6	Delay Activity 6 ES to period 11. Reduce slack to -1
2-3	3	Delay Activity 3 ES to period 3. Reduce slack to -2
	5	Delay Activity 5 ES to period 8. Reduce slack to -2
	6	Delay Activity 6 ES to period 12. Reduce slack to -2
3-4	3	Schedule Activity 3
4-5	4	Schedule Activity 4
5-6	-	No changes
6-7	-	No changes
7-8	-	No changes
8-9	5	Schedule Activity 5
9-10	-	No changes
10-11	-	No changes
11-12	-	No changes
12-13	6	Schedule Activity 6