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Assignment 3 AI/ML

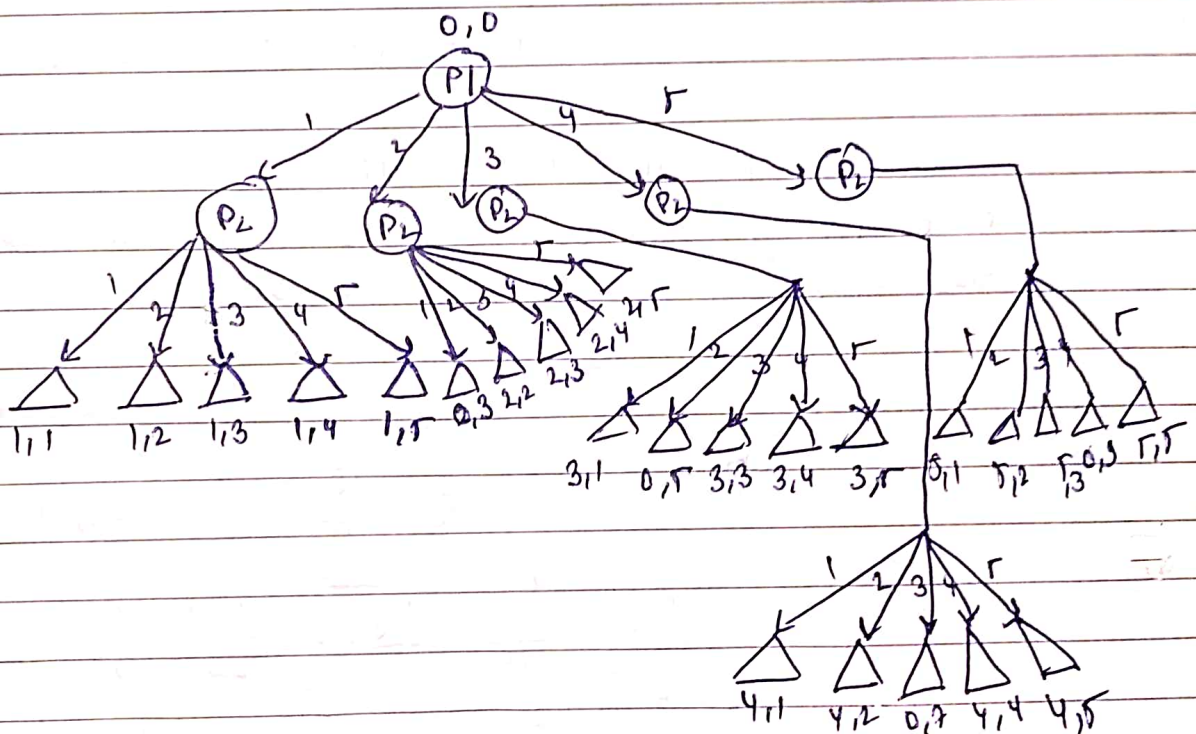
DATE			PAGE NO.

13/Sep/2021
Tuesday

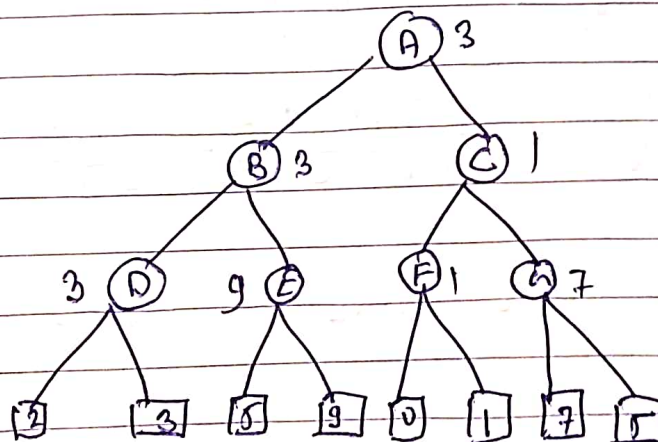
Q.1

	1	2	3	4	5
1	1/1	1/2	1/3	1/4	1/5
2	0/3	2/2	2/3	2/4	2/5
3	2/3	0/5	3/3	4/3	5/3
4	1/4				
5					

	1	2	3	4	5
1	1/1	1/2	1/3	1/4	1/5
2	0/3	2/2	2/3	2/4	2/5
3	3/1	0/5	3/3	3/4	3/5
4	4/1	4/2	0/7	4/4	4/5
5	5/1	5/2	5/3	0/9	5/5



Q.2



- Max

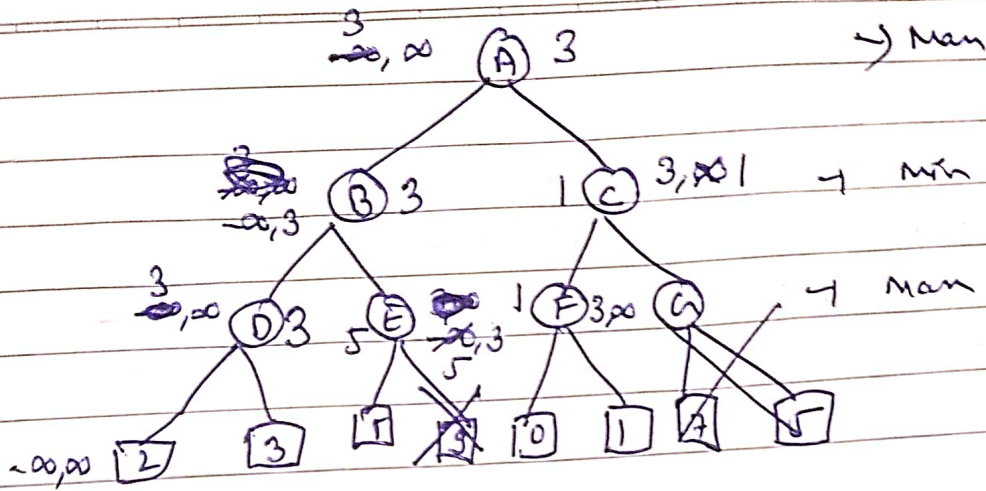
- Min

- Max

Max → 3

FOR EDUCATIONAL USE

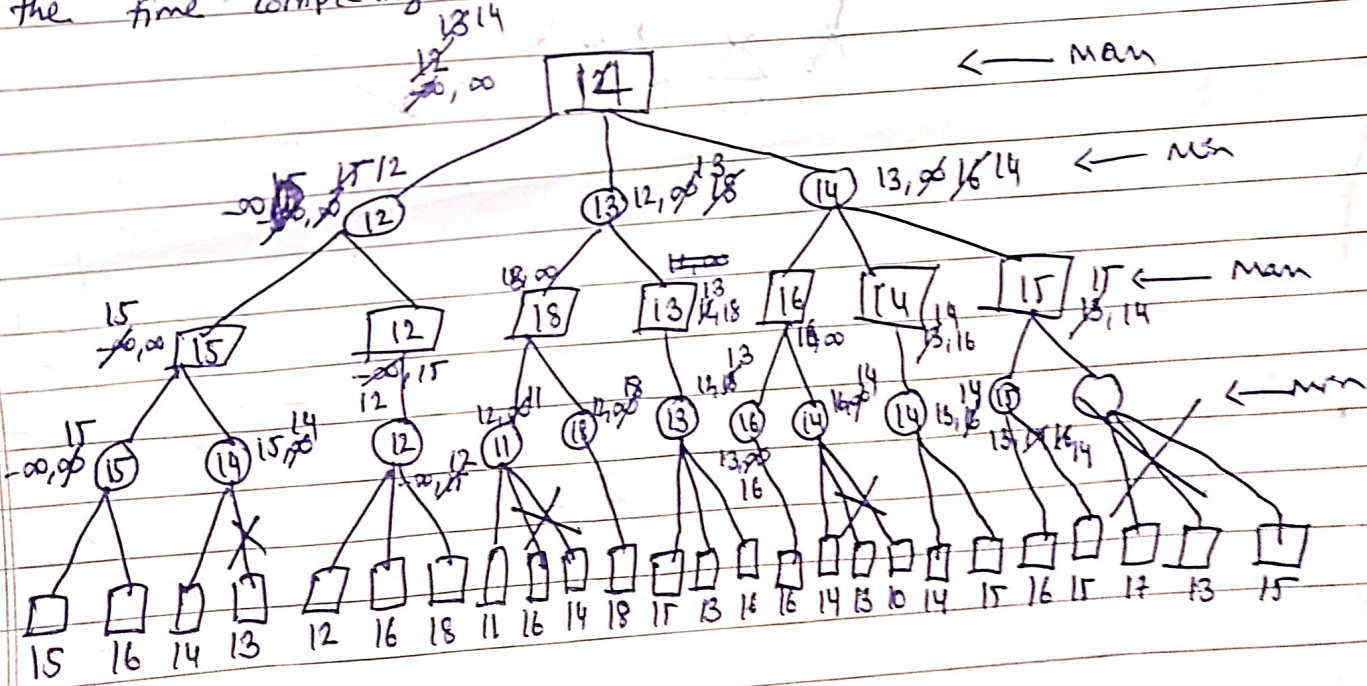
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Nodes pruned \rightarrow 9, 6, 7, 8

α - β efficient is efficient because in case of α - β pruning we were able to prune 4 nodes which reduced the time complexity of our search.

Q.3



Max Value at Root = 14

