Name- Geeta Pramod Sakpal ROLINO -54 BEIT class subject . Is Lab D. 0 . P sign D.0.C marks

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Min Max Algorithm

Min max algorithm is a recursive or backtracking algorithm which is used in decision making and game theory. It provides an
optional transce move for the player assuming that opponent is also playing optimally.

- Min max algo was uses recursion to search through the game - tree.

- In this algorithm two players play the game, one is called MAX and other is called MIN.

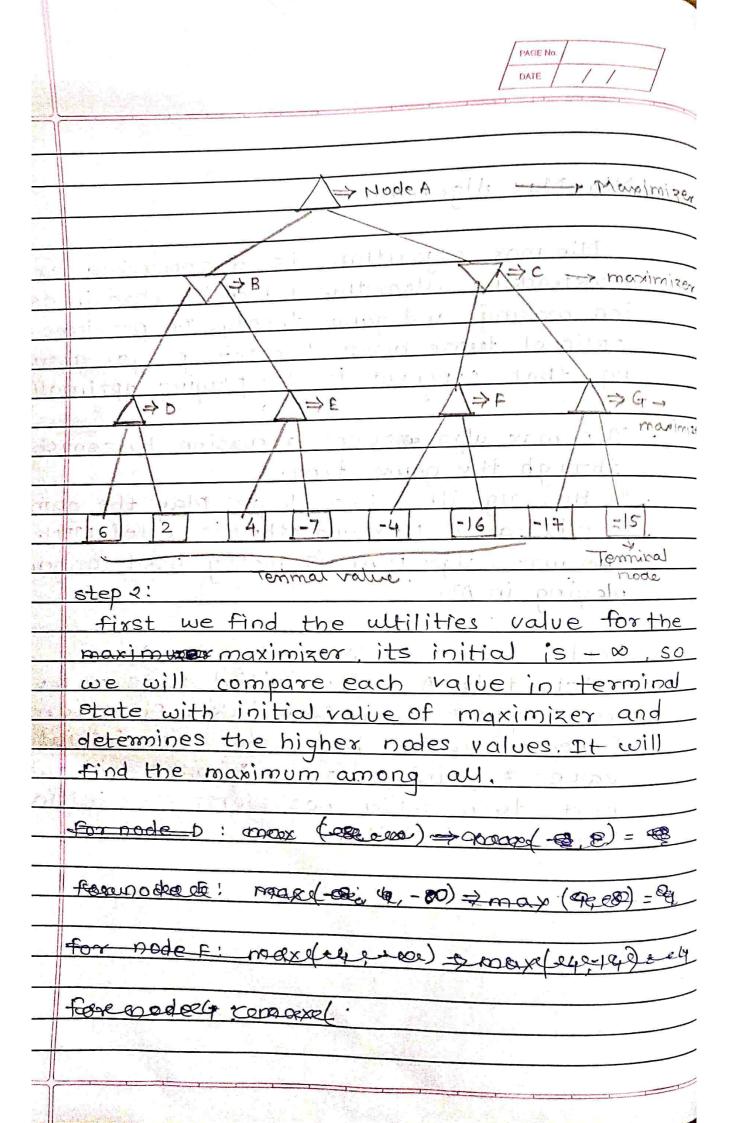
- Min max algorithm is mostly used for game playing in AI.

- stepl:

Lets take A is the initial state of the troe suppose maximizer takes first turn (when or) which has worst case initial value = - infinity, and minimizer will take next turn which has worst case initial value = + infinity.

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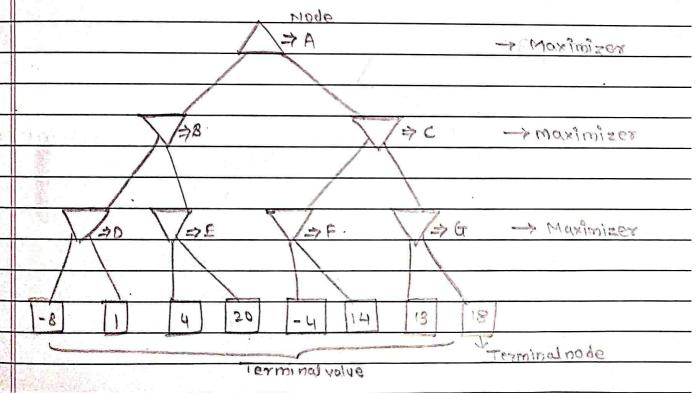
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for node 1: max (-8, -60) = max (-8,1) = 1

for node E: max (4,-∞) = max (4,20) = 20

for node f: max (-4, -∞) = max (-4, 14) = 14

for node G:max (13,-∞) => max (13, 18)= 18



step3:

In the next step, it's a turn for minimizer so it will compare au nodes value with two, and will find the 3rd layer node value.

for node B: min (-1,20) = 1

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	for node c: min(= 4, 18) = = 14.
	step 4:
	How its a turn for maximizer and its
	will again choose the maximum of all node
	ralues and find the maximum value for
	the root node.
	STATE OF HOME (MARCH STATE OF THE COLUMN TO STATE OF THE
	For node A: max (81, 014) = 14
	step3:
	7 A
	Maximizer Maximizer
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	11/20 20/2 18/24 18/24
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	1 20 4 14 -4 13 18
	Terminal node
	stoope: Terminal value
X	
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