Mame: Tushar & Shosale

class: BR-IT

Roll No: - Lo

subject: Is Lab.

DOP DOA

Remark sign.

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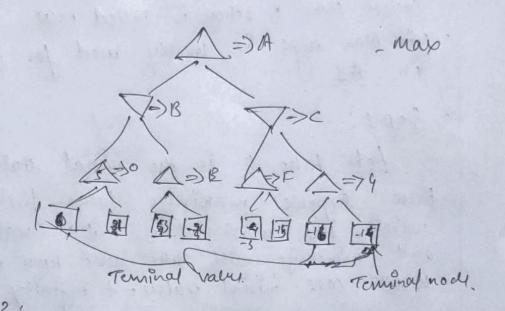
Min Max Algorithm :-Min max algorithm: Ulin-Max algorithm is a recursiv a Backbacking also willet is used is dicision - making q / ante It provide as oprimal more for the player assuming that opponent is also playing ophimally - Min max alge uses. recurron to search through the game me - In this algo two player plays. the game, one is Called. MAX & other is called MIN - Min-Max algo is mostly used for game playing in As (- Step 1: Lets take A is the inhal stake of the true suppose maninige takes. first hum (when or) which has work - case initial value = - infinity, and minimize will take next turn which, has! worst case initial value + infinity => Mode A Mass min

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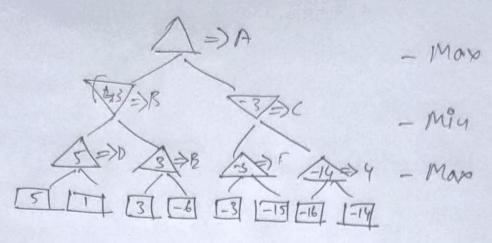
first ux find the ultilities value for massinize is initial value is - os so loe compare Each walne in farminal sak with Wico Initial reduce of masings & determines the higher value It will find the maximum among notes all node D: man (5,-0) =) max (5,1)=6 For node 12: may (3, -0) =) max (3,-6)=-3 node F! max (-s, -0) => max (-s, -15) =-3 for Por node q: map (-16, -0)=) map (-16, -14) =-14



In the new to the it's a turn. for ninimize, so it will compare all nodes value with two, and will find me sol.

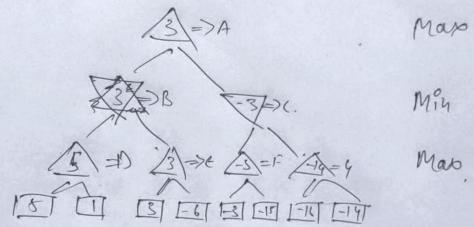
layer node valvy.

For node 13 - mon (5, 3) = 3. Por node (- win (-3,-14) = -3.



- step 4:

Now i'ls a turn, for maximize, and i't will again choon the maximum of all node value a find. the maximum realm for the noot had por node A: mos (3,-3)=3



Mence it was the complete workflow of me winknow algorith with we plays gain