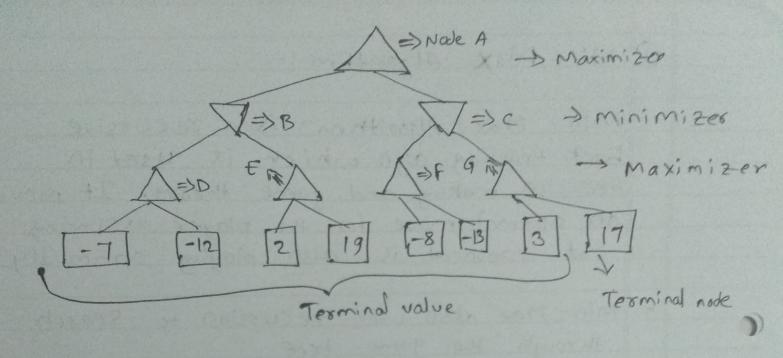
K.G.C.E. Karjat - Raigad

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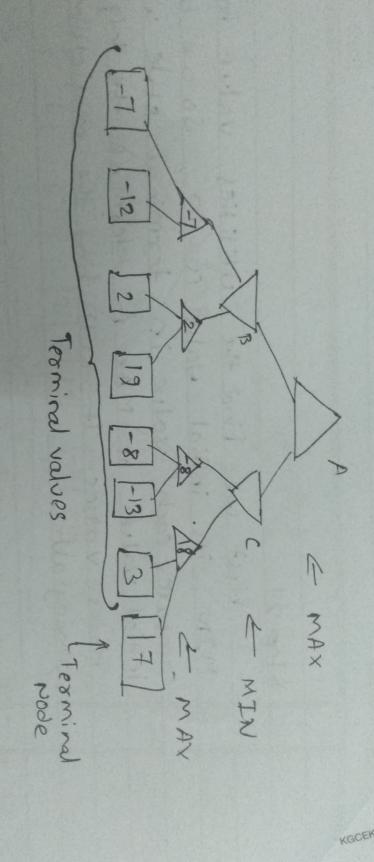
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ial - mailyau 1 Min-Max Algorithm: Min-Max Algorithm: is a recursive back tracking algo which is used in decision, making and game theory. It provides on optimal move for the player as suming that opponend is also playing optimally Min-Max also uses recursion to Starch through the gamp-tree. - In this algo two players play the game; one Is called Max & other is called MIN MIN-MAX algo is mostly used for game playing in AI. Step 1: Lets take A in the initial state of the tree suppose minimizer take first twon (when or) which has worst case initial value = - infinity, and minimizer will take next torn which has worst - rose initial value = + infinity



Step-2:

First we find the utilities value for MIN, its initial value 13-10, soure will compare each value in terminal state with initial value of MAX. & determine the highest nodes values. It will find the maximum among all. for node D: max (-7, -00) => max (-7, -12) = -7 Fox node E: max (2,-00) =) max (2,19)=19 FOR node F: max (-8,-00) =) max (-8,-13)=-8 for node 9: max (3, -00) => max(3, 17)=17(7



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