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Min - Max Slgorithm

Min-max algorithm?

Min-max algorithm 13 a securitive/

backtracking also which is used in decision-making

and game theory. It provides an optimal more

for the player assuming that opponent is also

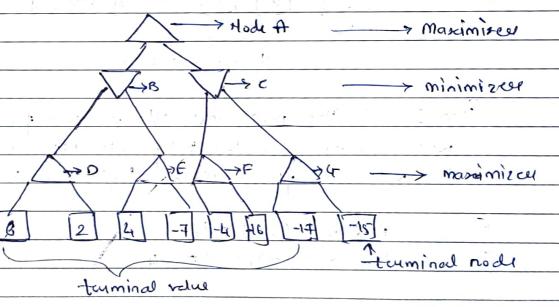
playing optimally.

- Minmax algo. uses securision to securch through the

- In this algo, two players play the game, one is called MAX and other is called MIH

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

Otep 1? Lets take A is intitial state of tree. Suppose morimize takes first of trun when or which has worst - case initial value = -infinity, and minimizes will take next trun which has worst - case initial value = + infinity.



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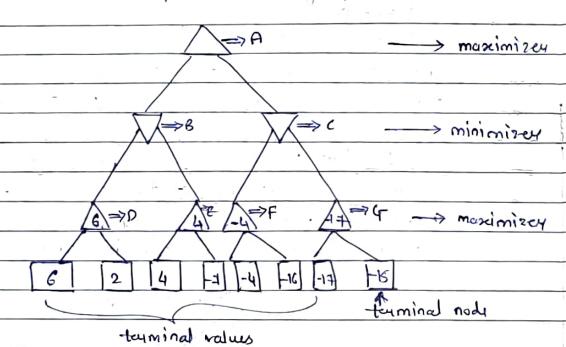
Step 2: first we find the whiles value for the maximizer, its initial value is -00, so we will compare each value in terminal state with the trade value in terminal state with initial value of maximizer of determines the figure nodes values. It will find the maximum among all.

for node D: max (6, -∞) ⇒ max (6,2) = 6

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

for node F: max (-4, -∞) ⇒ max (-4,-16) = -4

for node (+? max (-1+, -∞) ⇒ max (-1+,-15) = -15



Step 3: In the next step, it's a turn you minimize, so it will compare all nodes value with top and will compare all nodes value with find the 3rd layer rook value.

for node C: 2 min (6,4) = 4

