Minimax Algorithm:

> Minimax is a Kind of Backtracking Algorithm.

>It is used in game theory to find the optimal move your a player,

> It is widely used in two player turn - based games.

Eg!

thess Tic-Tac-Toe.

In Minimax Two players are ralled

Than

Thin

Man -> highest Value.
Min -> Lowest Value.

The Minimax Algorithm proceeds all way down to Terminal hook of the tree, then backtrack the tree.

of lands Algorithm For Min-Max: Alpha beta pouring is billion is Minimax (s) = 100 coisco. utility (s) if iterminal itest (s). Hark Marx a. & action(s)

(mind with minimary (munch (s, a)). It player (s)

= max. probabilità sulor surpir () office miniman (result (s,a)) II player (s) suley dolling. Example - trame tree: B2. 00 1- wind of this min

Alphabeta pruning: 101-121 101 mot militarola > Alpha Beta pruning is modified Version of minimax Algorithm > This is the technique By which game true.

game true.

Jep praving is the praving (cutting down)

Parameters: Alpha (d) => highest value shoice along path of maximizer. Initial value -7 -00 Beta (B) => Lowest value whoise along path of minimizer. I hi Hat value -7 00. condition (2) (2) ()*(1) (1) (1) (1) (1) => max player update value of Alpha. => min player update value of Beta.