Hinnan algorithm

EXNO: nate:

Am: To implement minman algorithm using python larguage

Aprilhon:

If the current depth equals the target depth, suchoun 1. Define the Base case: the store at the current node.

2. Recursine case:

- * It it the maximixing players how -> Recoverively call the minmax function for the two child nodes of the wovent node -> Take the maximum of the Values Thorned by these calls
- * \$6 its the minimizing player's twen -> Recurrively call the numare function for the two child nodes of the surrent no de -> Take the minimum of the values reherred by these valls.
 - * Repeat until Base rase is Met
 - -> The function will sontinue to sall ikely for each level until it reaches the target dept
 - -> A+ Each level "it reachers Have trouget despress altounates between masimi zing and minimizing until it returns the ophimal secone or the root hode.

code: import math des minimax (widepth, no de Index, maretwen, scores, target depth): # base case: target Depth reached if (weder th == +aviget Depth): scenous Stores [node Indese] if (mase twen): reher max (mini max (wordepth +1, node Index *2. false, scores, target Dupth) minimax (curdyoth +1, node Index 2+1, False, Scores, target Depth)) # Driver code Scorus = [3,5,2,9,12,5,23,23] hee depth = mash. (og (len (scores), 2) print ("The ophimal value is: ", end = "") point (minman (0,0%, Toure, scores, tree pepth)). output: The optimal value is: n Result The program is successfully executed and output is vuified.