





(iii) signt boundary traversal excluding leaf 8 500f. Hemp & vector. 30 800+ risht = 7 2-) 8igut = 8 8-7 right = NULL BO 50. To left = 5 9-) right = leaf then stop that means gight, right, rim if NULL lest don't falle leaf. enter walled from a ste English rather

HALL ELLIN CLER WAY

C -1 = 1000 1000 0 1 20 1 20

Ventical Order Traversal of Binary Tree write smaller value for x we can itracte the asserbling order of a trat mean first -2, tun -1,0 & 8003 also some for level Hrate from asien diag order that means first I red = 0 feb level = 1 2 3

So we need to traverse every node and assign them (n, revel)
where
n = ventical no. level = 100el no. stoort from 0, 1, 2, --theodo shift 200 no principo protosi Intuition: - we can gave every vertical a menter so that our traversing become e corrdinate type of coordinate is like (vertical, level) By this crordinating was our fraventing become ceasy FIOD: - wetertraverse tom in increasing order of vertical and in vertical et presse in increasing order like first 30 for minimum venticel =-2 in vortical= -2 level= 2 realtical=-1 montes= 113 vertical: 0 level; = 0,2:4 /2,5 1,7,10,6 restical= 1 levels=. 1 vertical= 2 perels= 2 10

Now think about the Data Structure ose for solution. Before moning on DS trink about the traversal of Binary free because originally you have two kind of traversay -traversey (Level order) (Thorder, Preorder, Postarda) too this question you can use any of the traversed but a we use level order because in our intuition we discussibly ayout levels. So: Now Ds.
we use two data structume (i) queek (node, vertical, evel)> (ii) map < int, map < ind, multiset < ind> ?> vertical levels (levels volve) and vallet can be some so my Hiser.

