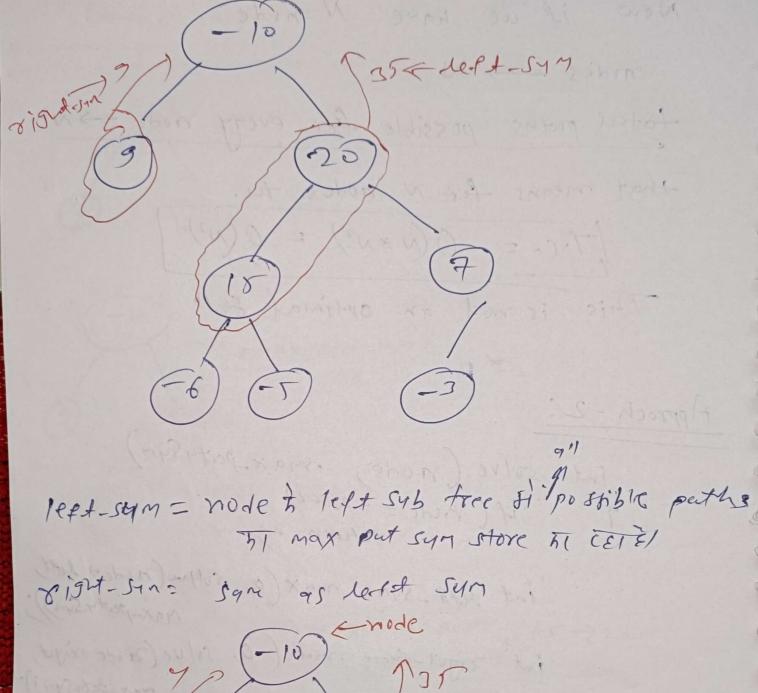
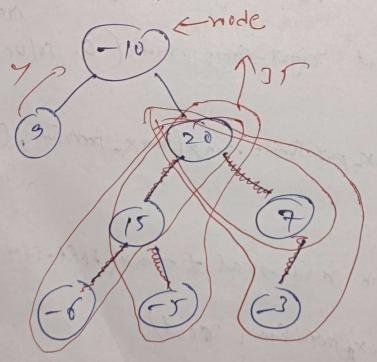
124. Binary Tree Maximum Path Sym Approch - 1 Brute force approch. eno for every possible parth & whichever poets is giving me maximum pots syn the pick up that pats.

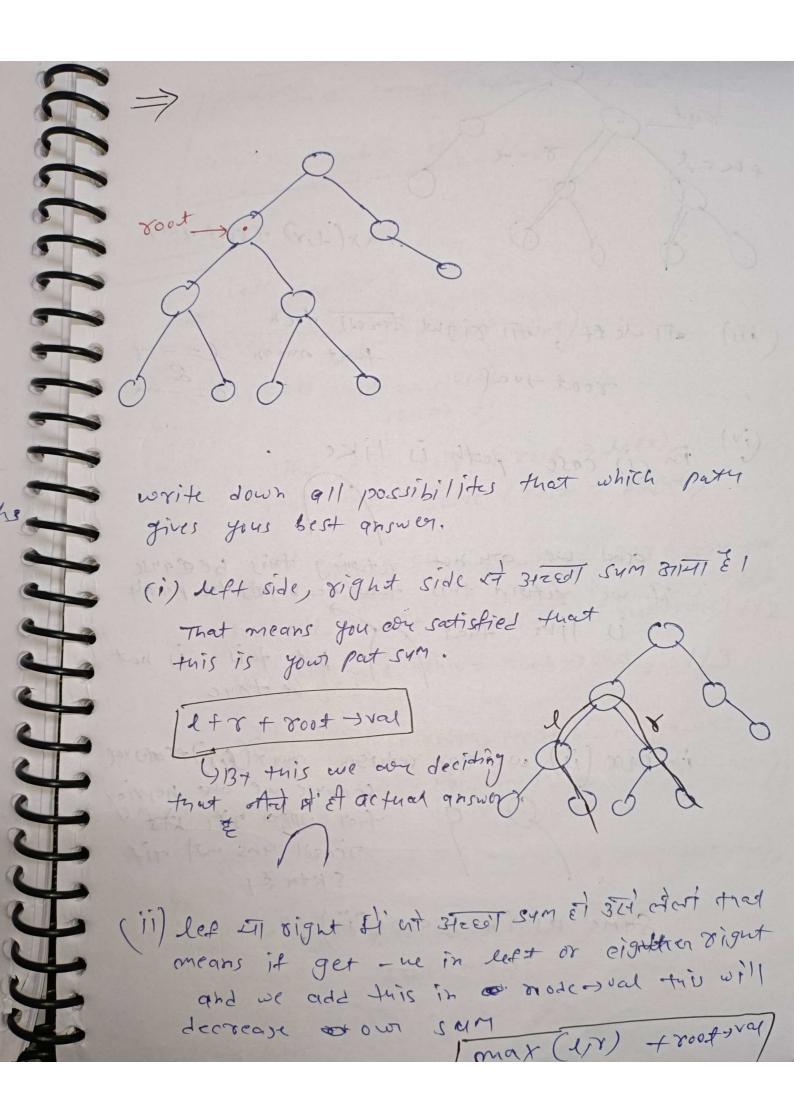
Now if we have Norde 8 mides -> N total paths possible for every node -> N2 that means for N modes tu. [T.C.= O(N*N2) = O(N3) This is not an optimal forth Approch - 2: int solve (node, max patusym)

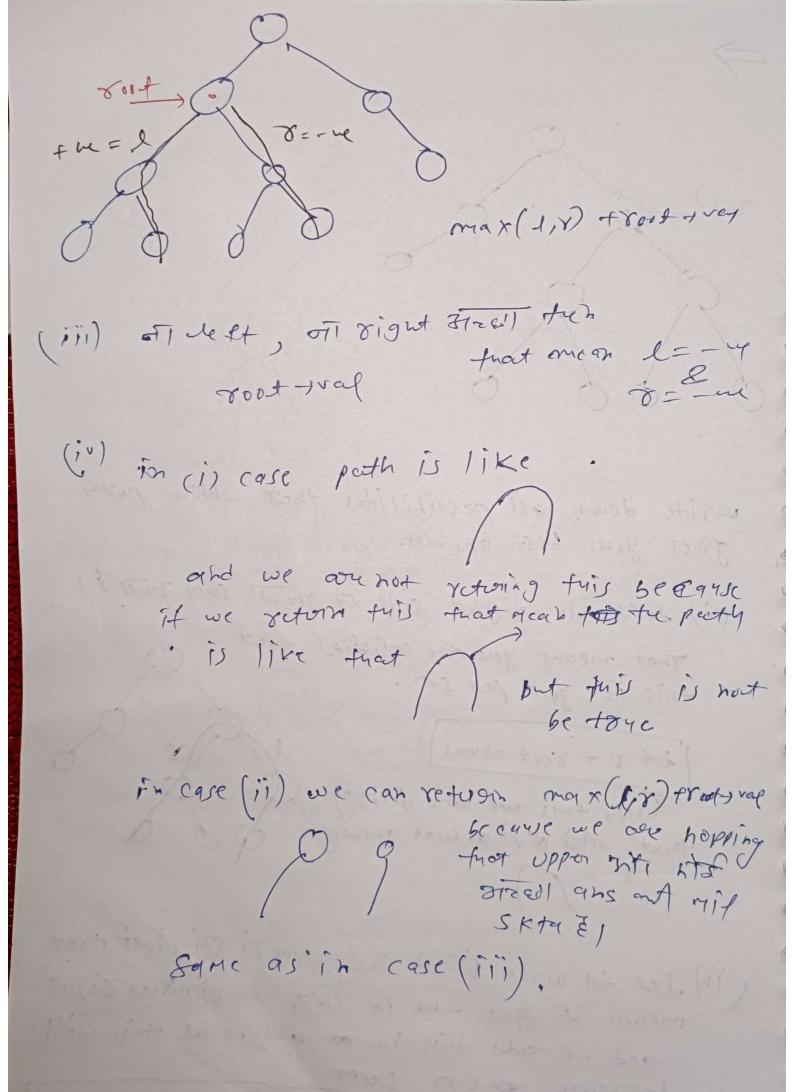
if (node == NULL)

return o; int left syms max (o, sollw (node + left) Max-paty Syn) int right-Sym= max(-0, solve(ande rright) Max-path(SYY)) Max-portusyon = max (max-pootusyon, (mode-)valot lapt-sym of 4 Setwin node-val + max (LAPA-SYM , 8 ignt-sym); int maxpatusin (800\$)









```
/maxsym = anax (Maxsym, 1, 2,3)

Setwin max (2,3)
 int maxSum;
int solve (TreeNode* root)
   of if (rost == NULL)
return o;
          int l = solve (801+ > lef+);
           int 8= solve (800t > right);
         int neeche-hi-milgya-ans= 1+8+800+ +val
      int Koi-ek-achq = max(1) + root + val) //2
int only-root-acha = root -> val; 1/3
     maxsym= max (¿maxsym, neeche-hi-milgya-ans,
koi-ek-acha a on ty-rood-acha)
     return max (Koi-ek-acha, On (y 2800t ans))
  int max Pathsum (Trenodet root);
       maxsun= INT-MIN;
          solare (root);
       (MYZRION GUTBO
```