9) White a program ca) To construct a being search Tice. (6) to travers the true many of the my i.c. in - order, known and part order. ccs To diglay the stand in the tree # conclude = Stolio-4) # include < stall 6.43 struct Node & int dota; struct Made & left, struct rold & right, 3: Street Mode & crutewode cint day & Street Node & premode = a struct Wade &) molaco sinje of a struct woods) new Wode - data = olda ; ment Vode -> left = NULL; nun Wode - right = NULZ Tetur menoWode; Street Mode & insert a street report & root, int date It if crost == NULED & Tetrem andertode ( deta); if a data a rood - A date of voot -> left = creek crost - left, still afer if a date > nost of date > 2

setum root; sinceder Transpol ( struct Mode & root) & 4 ( doot 1 = will 2 en order Traward wort - 1 lyt ?; painty c"1.2", root + data ); inorder Farmal ( ) out of diget; 29 roid postorder Townsol & street rode to root) of if crost 1 = NUCLI I postorder Travad (Tot + lyt); post order Traversed crost + right; painty c'11.0", root , dta7; 30 preorder Townsol ( struct Noch & root) of if crost 1 = NULLY & painty c". Id", and + dan, provde Trained ( root -> 141); preorde (round coot + right); void displayTace (struct Mode & voit) & of crost 1= NUCC.) & pound (" Toronder to awadi") inorder Fraund cout); routy c' Postorder to Postorder Traverd (000) powerty c" In Preorder trawnood: ");

Potender Traval covot); int main () of Street Node & Foot = NULZ; voot = mount coot, 30); display Tou crost 1; detum o; output > Inorder travered: 30 Postonder travered: 30 Preorde transli 30 to 100 100 1000 Haker Rank Chellenge occurred a strent stock poor Mergeny of two sorted lists Terput I exemp a roll from a your outful is 12 33 1 Output => 12 339