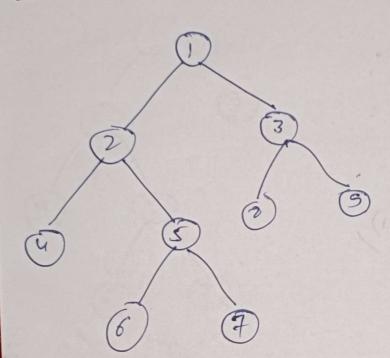
Root to Node Path 7 = bon pates 11,2,5,77 Compute root to node peth Intuition reston isome offind nide To solve this problem we use problem like ispresent that means is node / dat a present in tree or not. f (node, dates) < if (mode = = NULL) return fulse! if (node-)vd == data) return true, int 1= f (node+) Met, doity) it (a) return ! into - f (rode + dign) data)

so in previos code we maintan a Data structu which will store Mode to root puts. f (node, data, ds) if (node == NULL) return false. ds. push-back (node-toal) if (node, -) val == data) return true; int l- f (node -) left, data, ds) it (a) return tore; int r= f(noderright, date, ds) if (r) return true; ds.pop-back () T. (= 0(N) S. (== O(H)



C(A(4,7)=2

(25/10 = 3 5hor) The

Brute fore approch: - we can find the root to node path for both nodes.

node -4 -> Path = 1 2 4

node -1 -> path = 1 2 5 7

0(N)

Approch - 2 Q