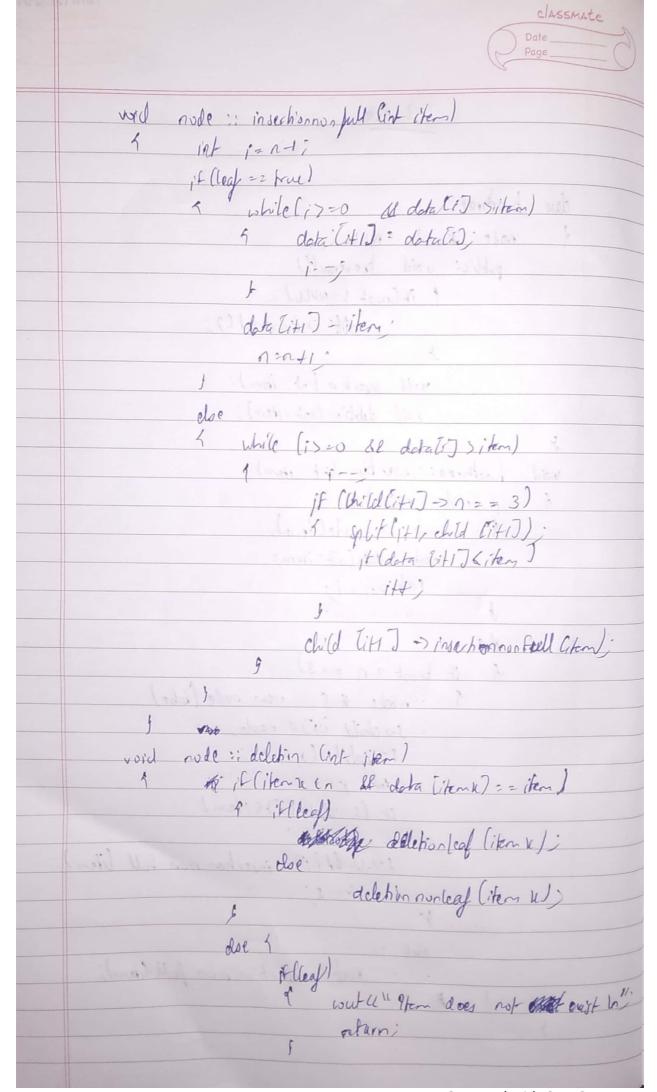
18M18LSOU, classmate 2+3 Free dan hochree node * rout = WULL public: void traversalls 1 if Croot != NULL) : roof > traversal (); void praction lint item): void delepion (int item); void prothree: insertion but item): 1 if (root = = NULL) pol= new rode (frue); roof -> data [o] = item; root on al; 4 if (not > n = = 3) node * s = new node (fabe) so child tod = root; so. split (o, root) in the property if (s >data to) (item) itti so child (i)= insertion non full (item)roots, cloe roofs insertion non full literal;



if (child liken u) = n(2) fill (tem ii) it (flag & itemse > n) child Titem on -1) -> deletion (item); close dild liter &) - delehin (item) return; void node: deletion leg (int ikm x) 1 for lint i= item & H; i(n; i++) n--; deta [i-1] = deta [i]. return; void pude: deletion nunleig lint item n' i (int item = data liter): if lihid literal)-> n>=2) hint- pred = predecesor (item xx) de la Citema J = predi shild (hemx) => deletion(pred); else if Whild Titem 11 + 1) -> n'>=2) I int juce = Successor liter u); data (ten u) = succ; child Eternit + 17 > delebion (succ); child Eitense] = delepin (item); copier i

void prothree: deletin list item) 4 if (!root) 4 conta "The tree is emply in". root o deletion literal; 1 1 1001-> n=201 5 rude + femp: rout; if (root = leaf)

root = NULL;

else

root = root -> drild[0])

delete temp; aturn; Void node: splitlint i, node ky)

4 node # 3 = new node (y > legs)

3 -2 n = 1; 3 - data (0) 2 y - data (2) if (y > leaf == false)

for fint j=0; j(2:jtt) 3-3 child &7 = y -> childing y->n=1; for litt j=n; j >= j+1; j --)

- child (j+1) = (hild [j];

- child (i+1)=3; For lint j=n-1; j>=j:,j--) data (j+1)2 data (j); data [:] = y >data[1); azati;

