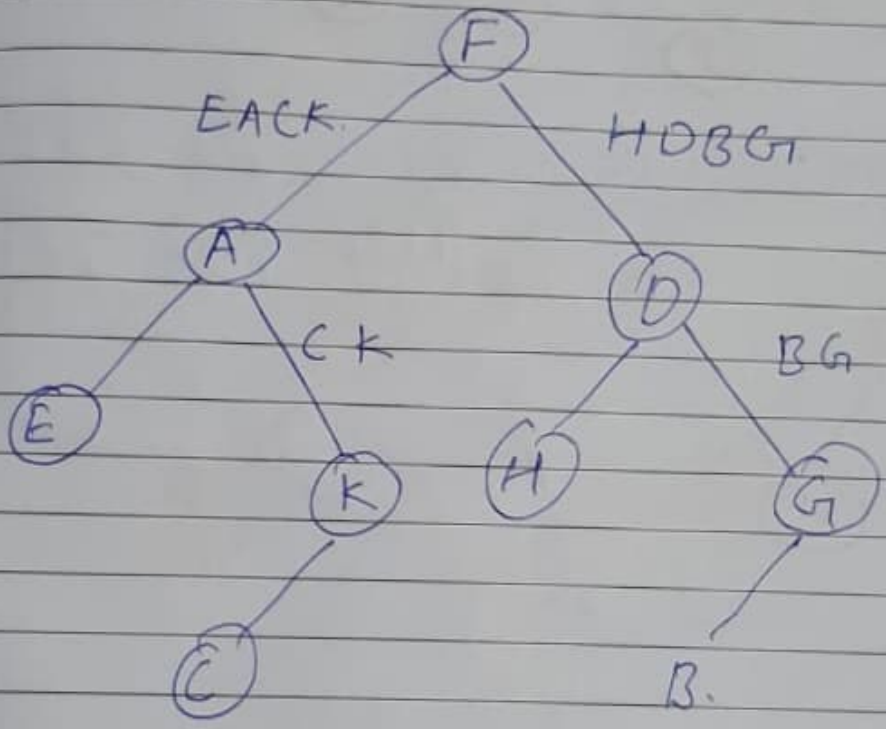
Q. Construct a Binary tree from Pre Order & Inorder

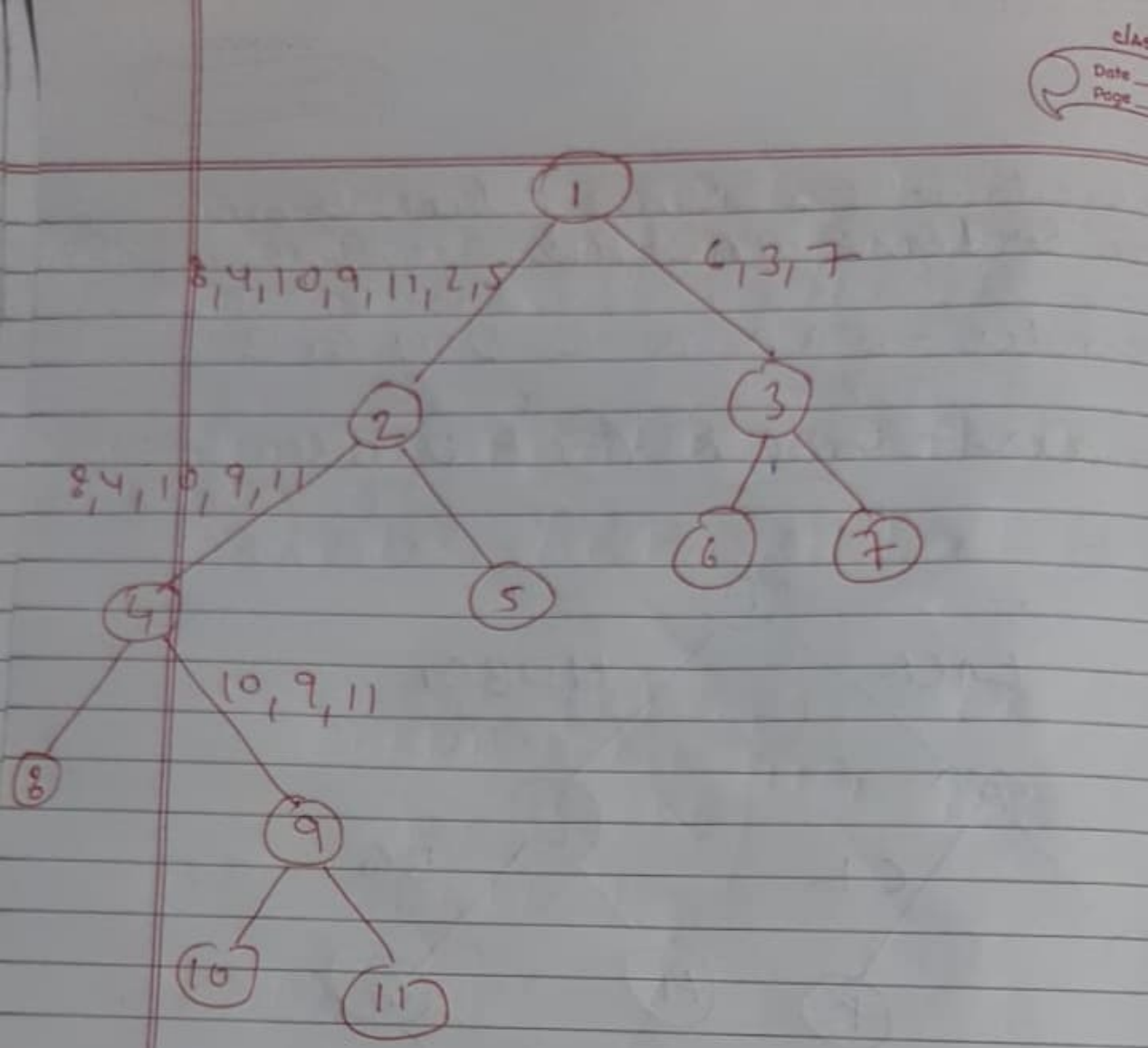
Preorder - F A E K C D H G B

Inorder - E A C K F H D B G



2. Preorder - 1, 2, 4, 8, 9, 10, 11, 5, 3, 6, 7

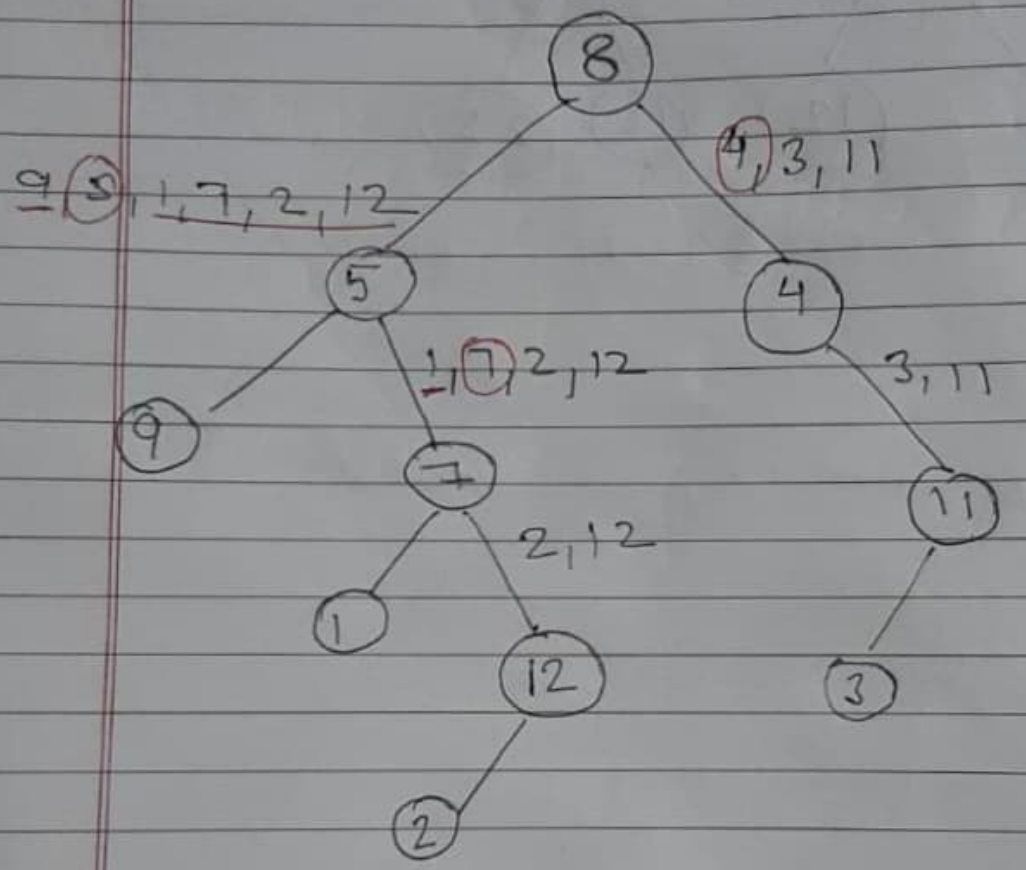
Inorder - 8, 4, 10, 9, 11, 2, 5, 1, 6, 3, 7


1
8,4,10,9,11,2,5
6,3,7
2
3
8,4,10,9,11
6
7
4
5
10,9,11
8
9
10
11

Ques Construct a Binary tree from Postorder & Inorder.

Postorder:- 9, 1, 2, 12, 7, 5, 3, 11, 4, 8 ←

Inorder:- 9, 5, 1, 7, 2, 12, 8, 4, 3, 11



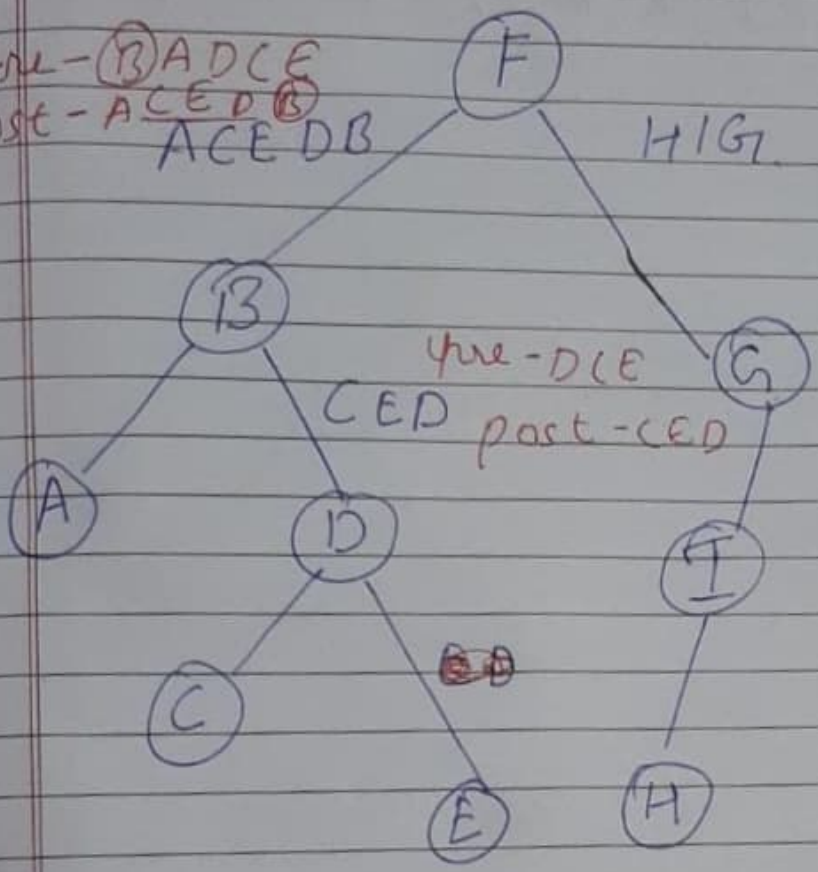
Postorder - E C K A H B G D F

Inorder - E A C K F H D B G

Q. Construct BT

Preorder - F B A D C E G I H

Postorder - A C E D B H I G F



pre ~~boost~~ - G I H

post - H I G

pre - I H

post - H I

Unique BT is not possible

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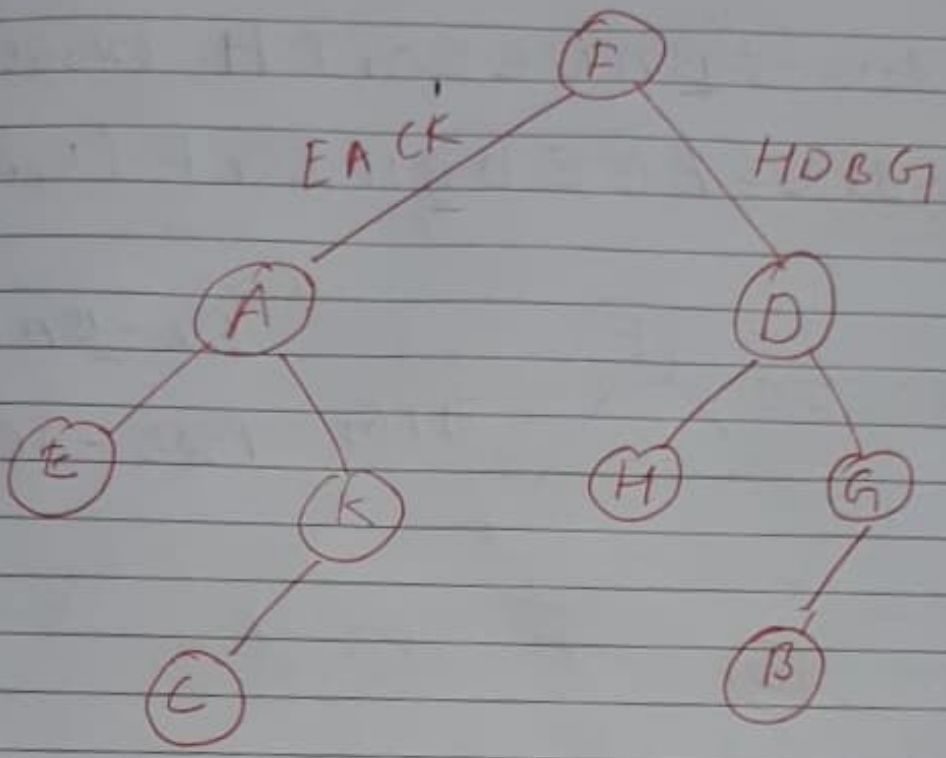
Postorder :- E C K A H B G D F

Inorder :- E A C K F H D B G



Ques Construction of BST when only preorder & postorder is given

preorder - 20, 16, 5, 18, 17, 19, 60, 85, 70

Inorder - 5, 16, 17, 18, 19, 20, 60, 70, 85

preorder - 20, 16, 5, 18, 17, 19, 60, 85, 70