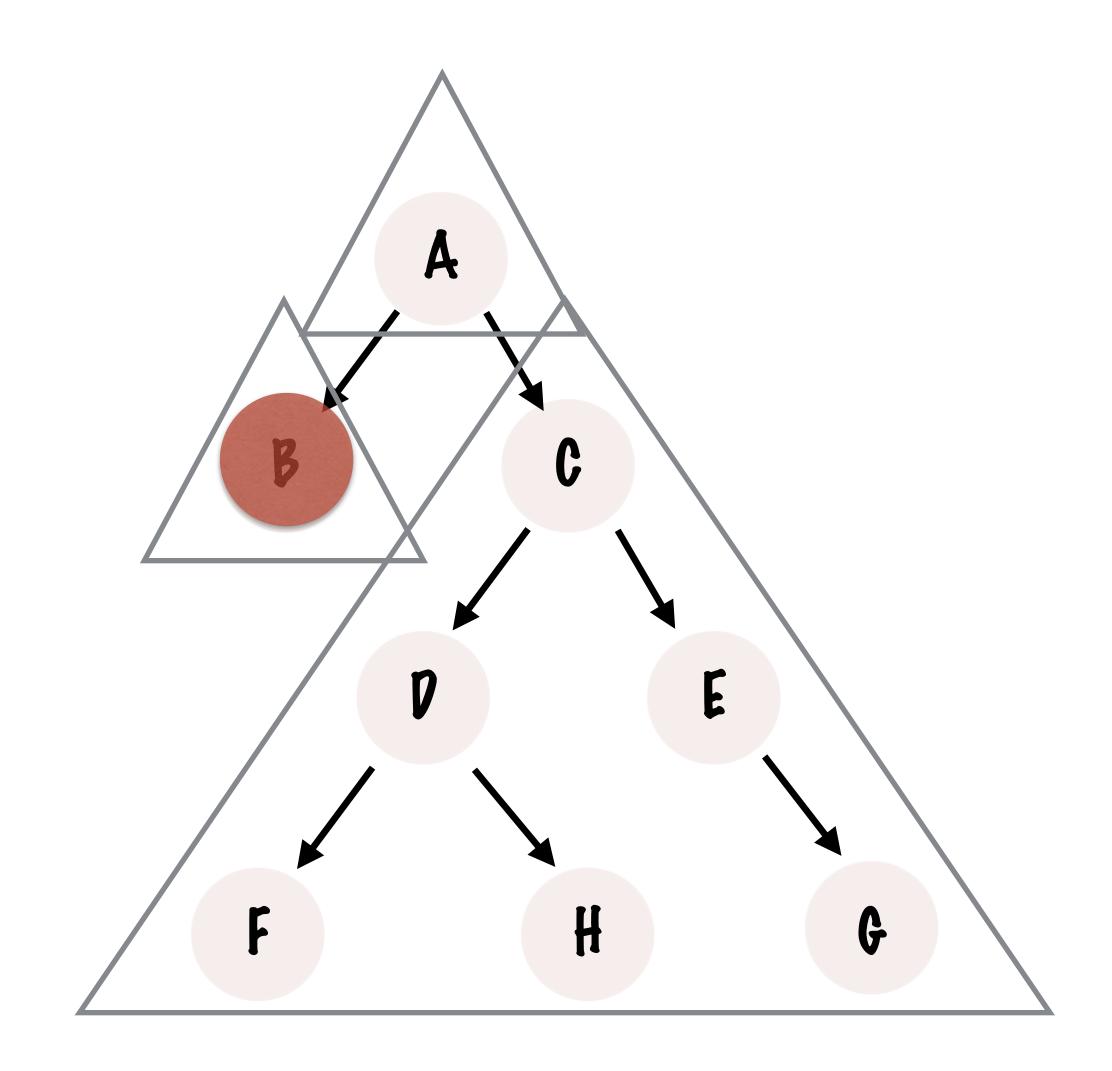
THE LEFT SUBTREE IS PROCESSED FIRST, THEN THE NODE, THEN THE RIGHT SUBTREE

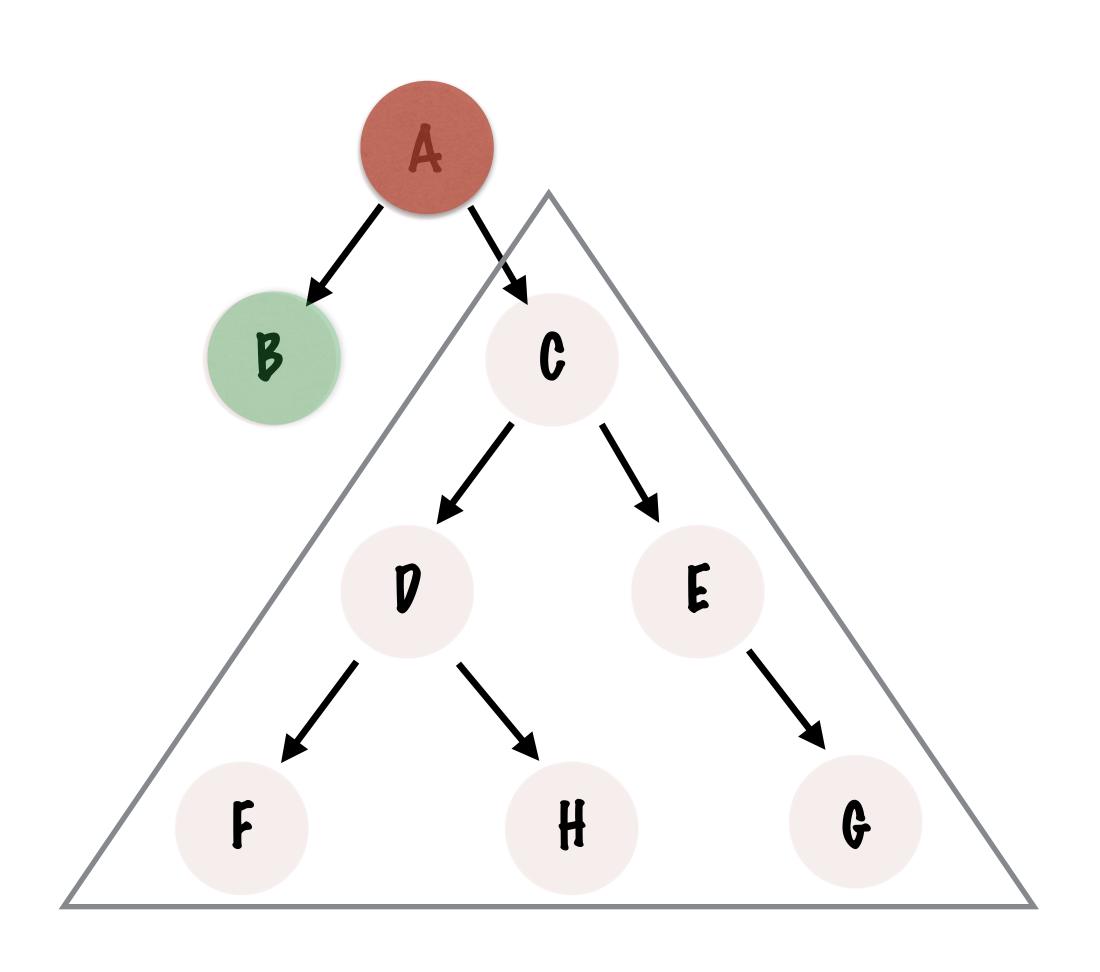
THE SUBTREE ROOTED AT B IS PROCESSED BEFORE A AND THE SUBTREE ROOTED AT C



LEFT SUBTREE

NODE

RIGHT SUBTREE

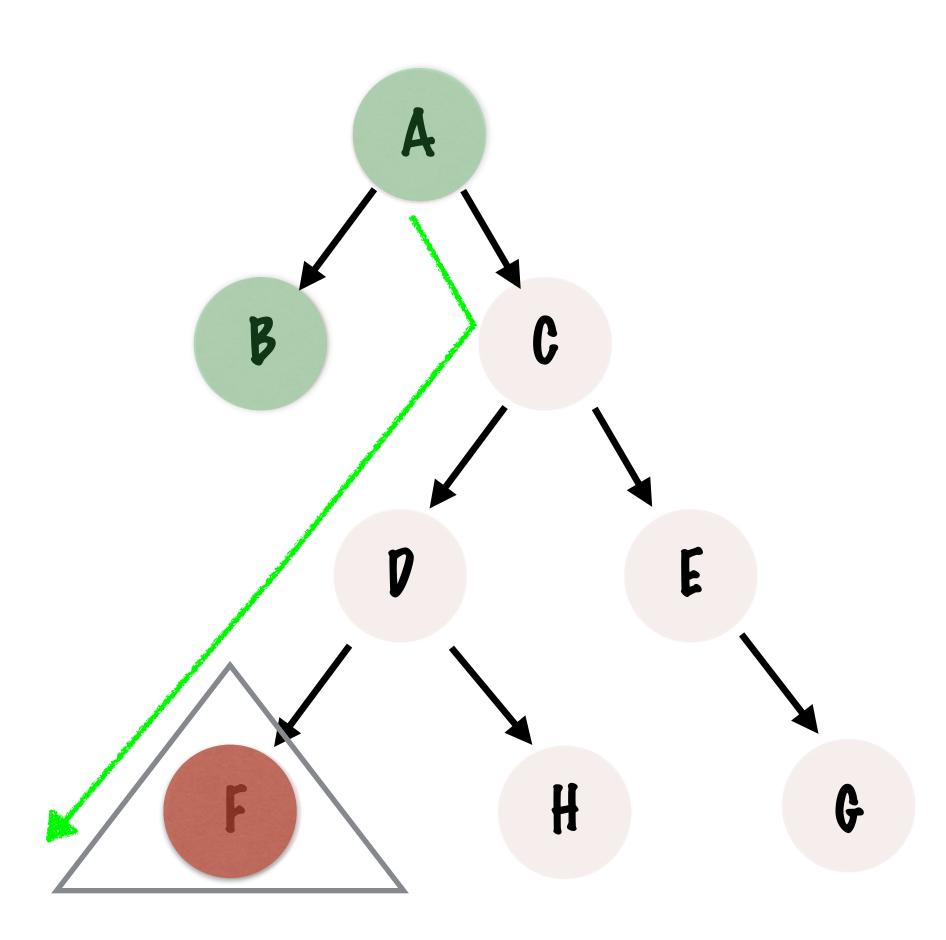




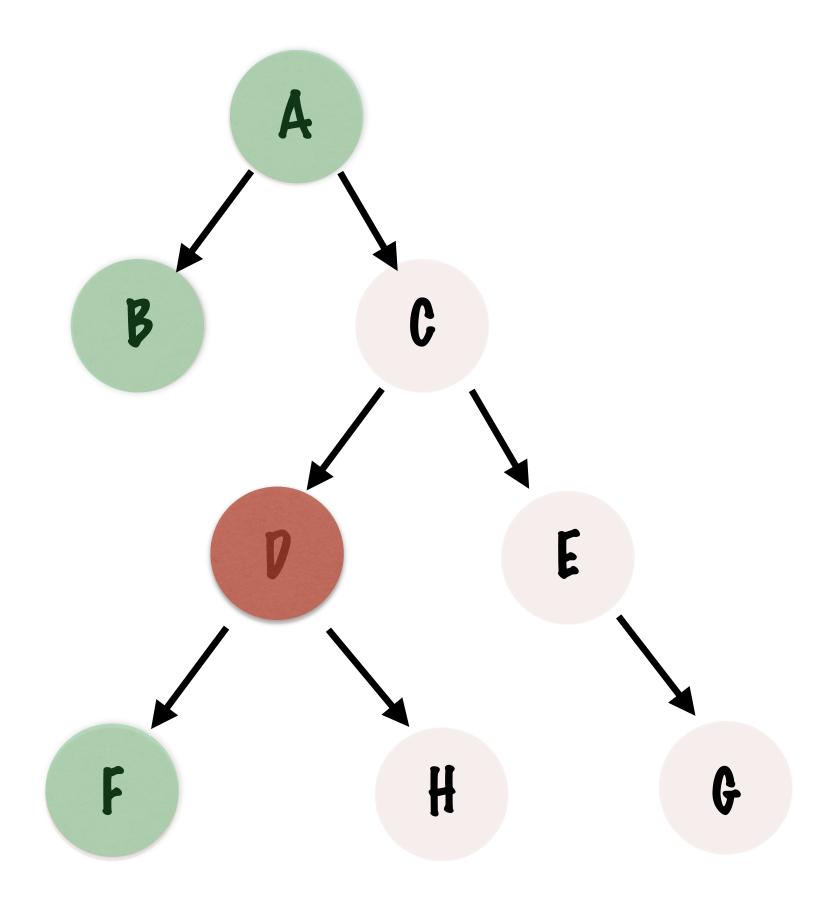
THE SUBTREE ROOTED AT D WILL BE PROCESSED BEFORE C AND D

EACH TIME A NODE HAS A LEFT CHILD, WE HAVE TO MOVE DEEPER INTO THE LEFT SUBTREE

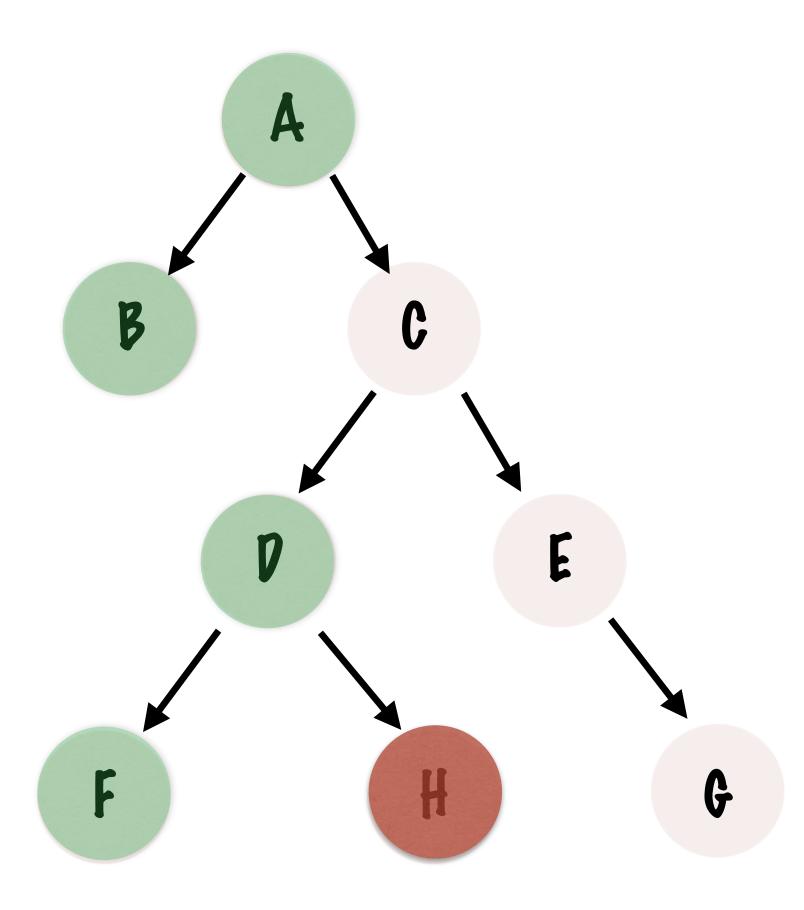
F WILL BE THE NEXT NOPE PROCESSED



B->A

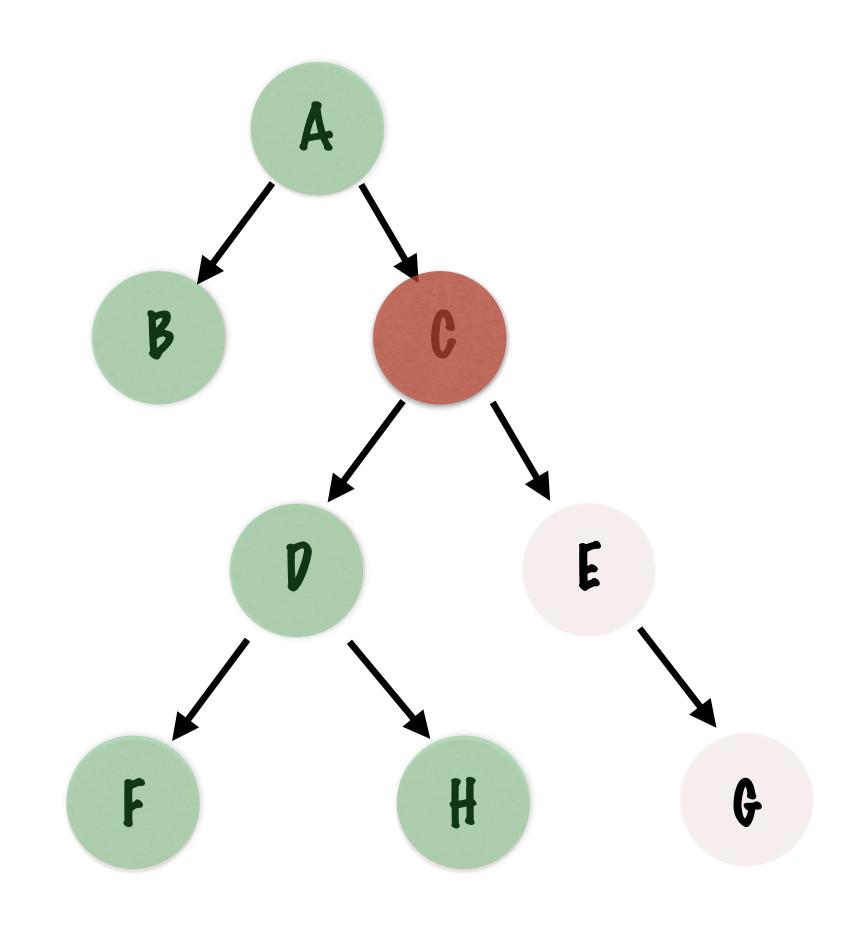


B->A->F

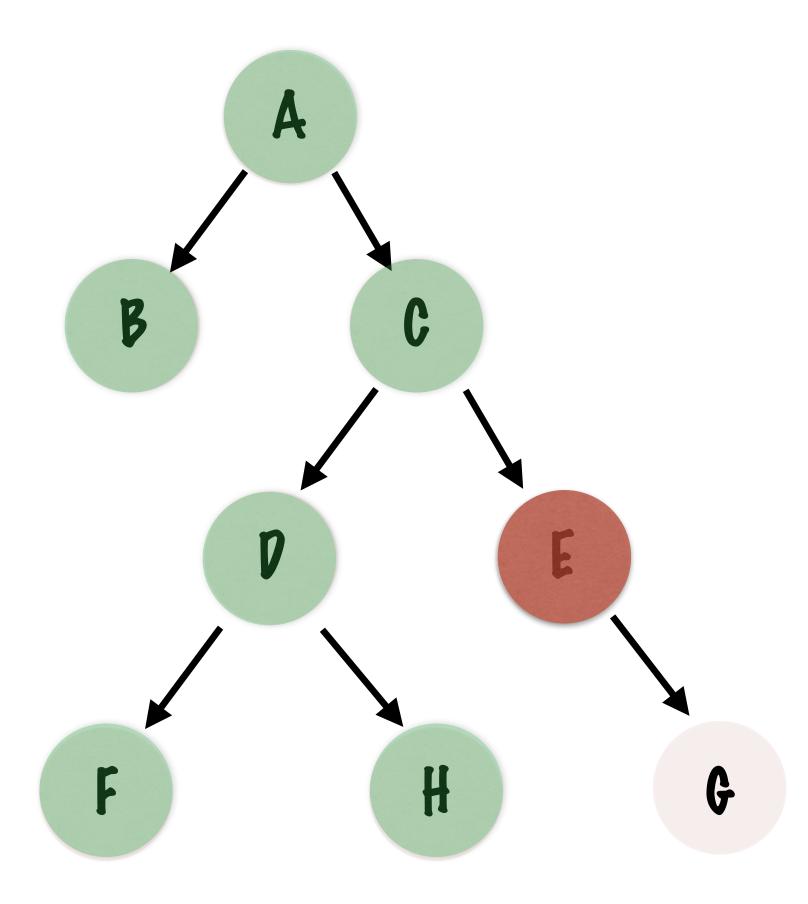


B->A->F->D

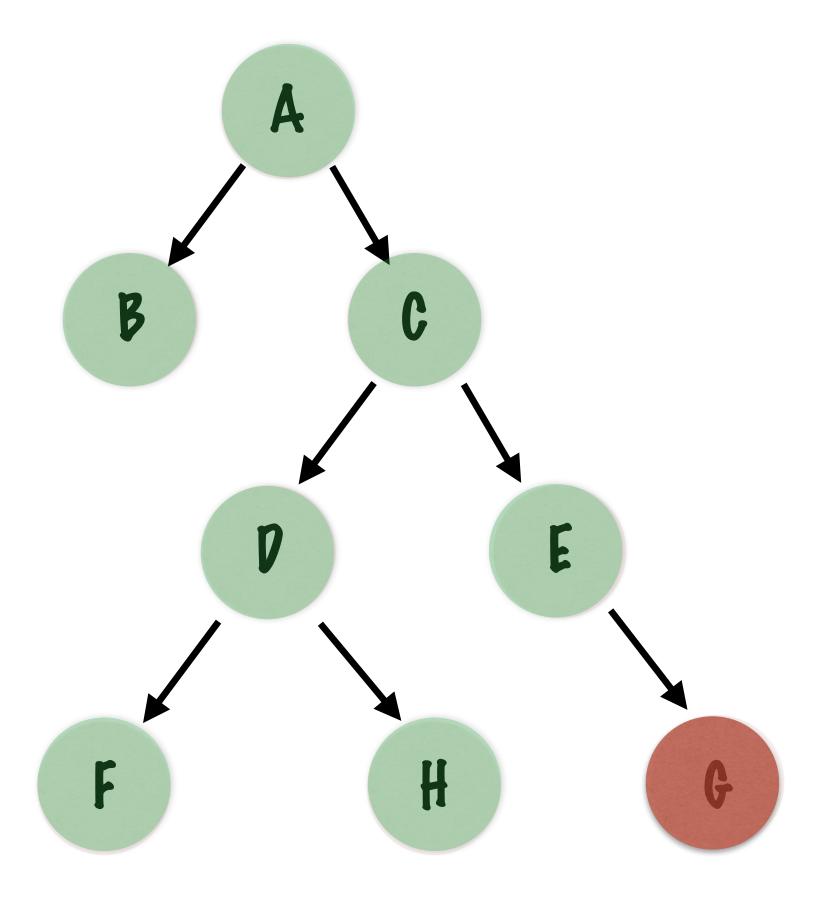
AFTER PROCESSING C, WE CAN MOVE ON TO IT'S RIGHT CHILD AND THE SUBTREE



B->A->F->D->H

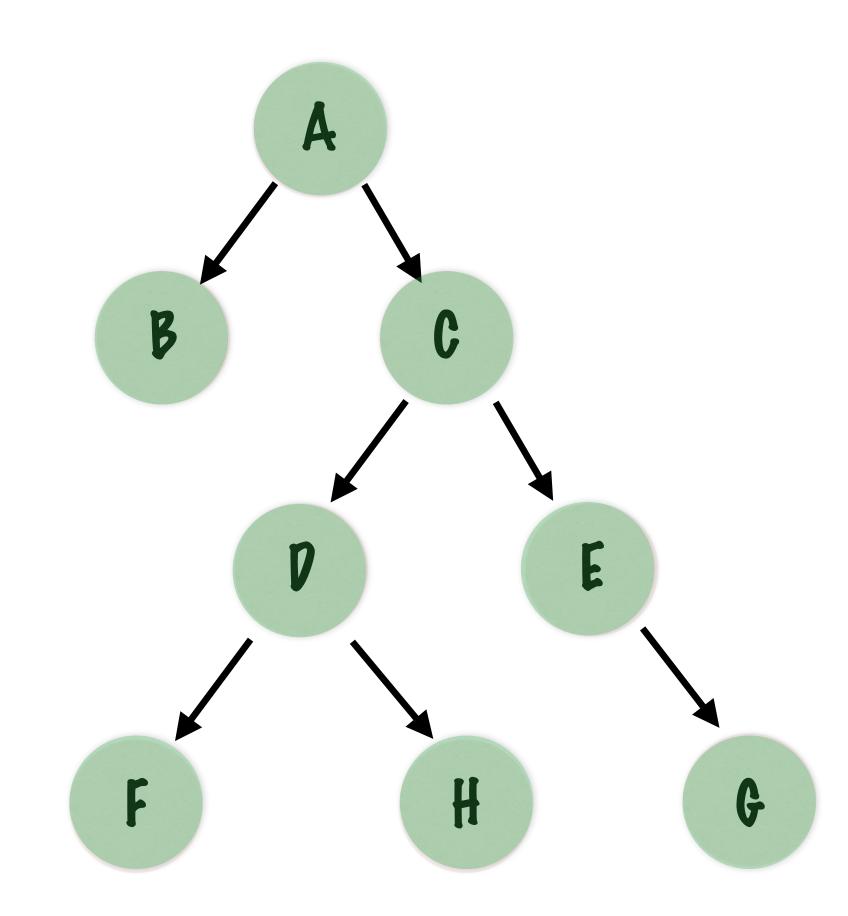


B->A->F->D->H->C



B->A->F->D->H->C->E

ALL NOPES HAVE BEEN VISITED!



B->A->F->D->H->C->E->G

IN-ORDER TRAVERSAL CODE

```
public static void inOrder(Node root) {
   if (root == null) {
      return;
   }

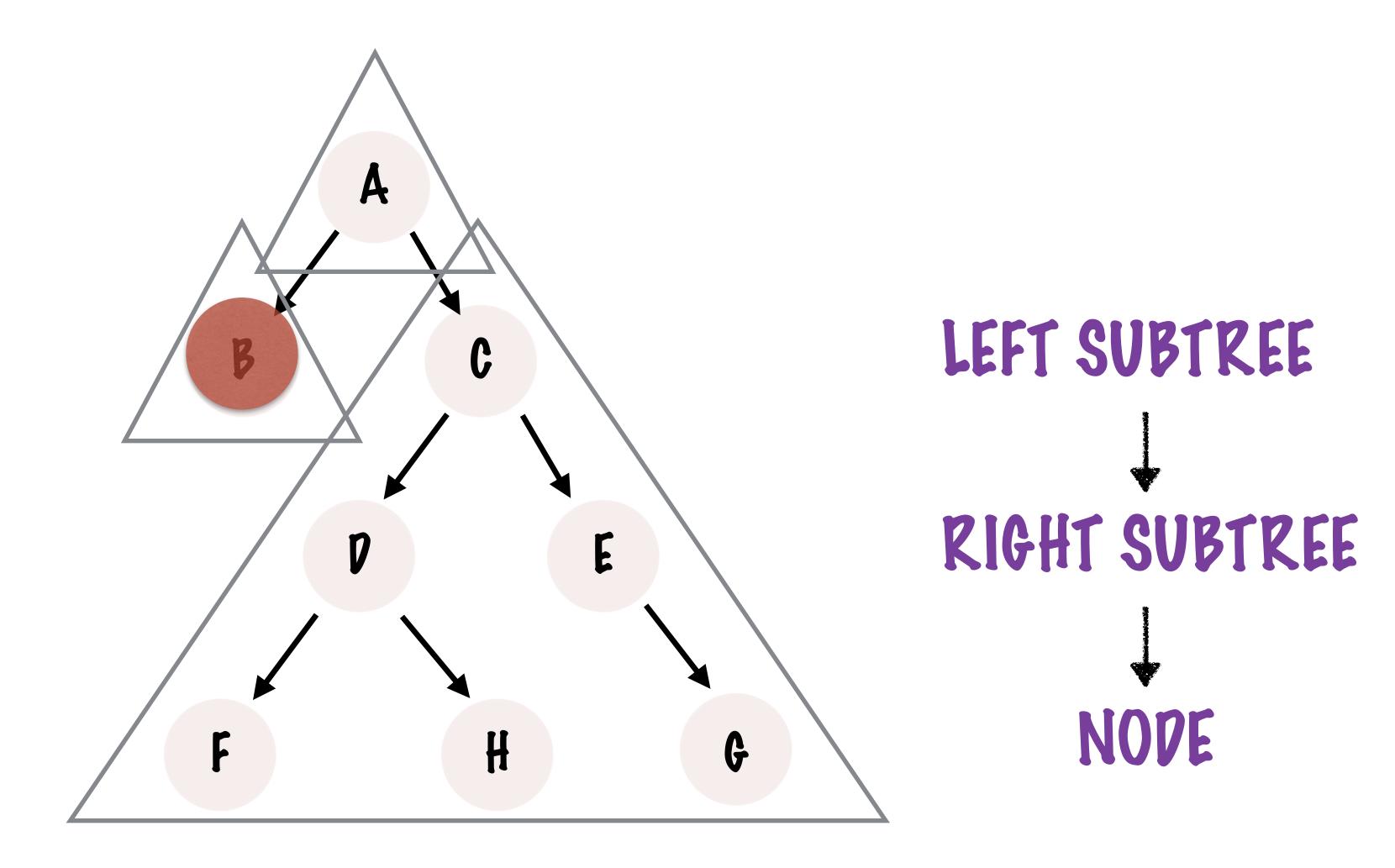
   inOrder(root.getLeftChild());
   print(root);
   inOrder(root.getRightChild());
}
```

BASE CASE - NOTHING TO TRAVERSE

PROCESS THE LEFT SUBTREE BEFORE THE NODE AND THEN RECURSE TO THE RIGHT SUBTREES

BOTH SUBTREES ARE PROCESSED BEFORE THE NODE ITSELF. THE NODE IS PROCESSED AFTER (POST) THE SUBTREES

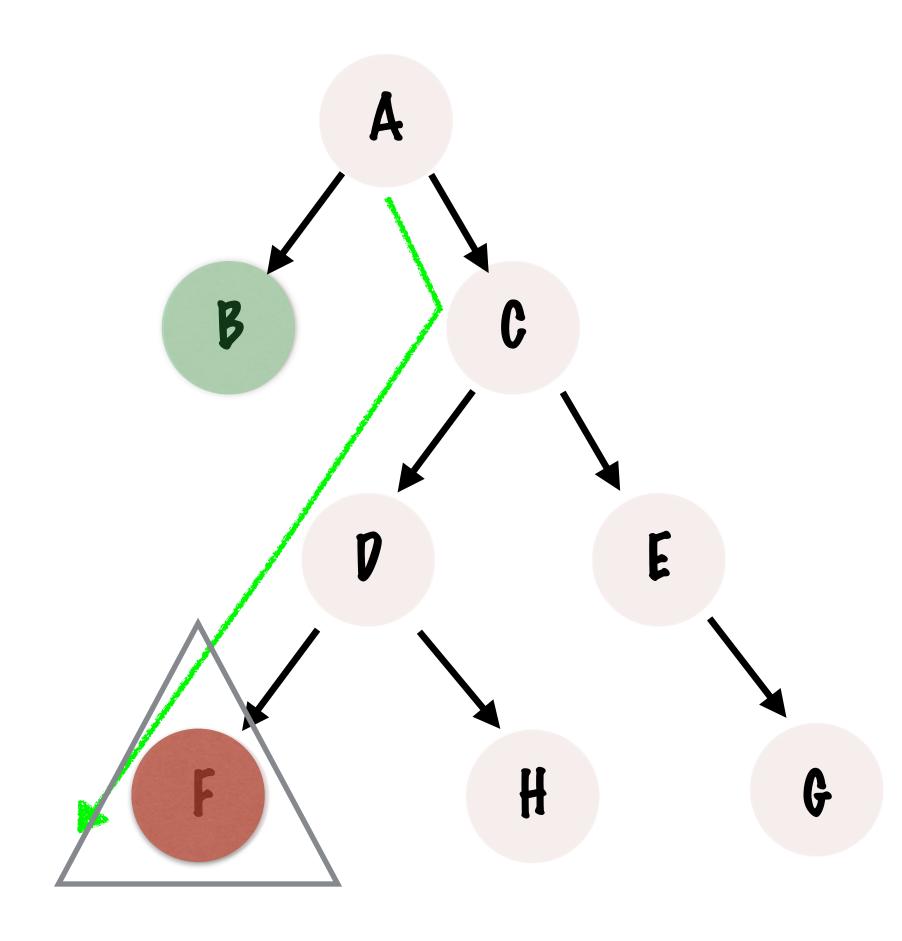
THE SUBTREE ROOTED AT B IS PROCESSED BEFORE THE SUBTREE ROOTED AT C. A IS PROCESSED LAST



THE SUBTREE ROOTED AT D WILL BE PROCESSED BEFORE A OR C OR THE NODE D

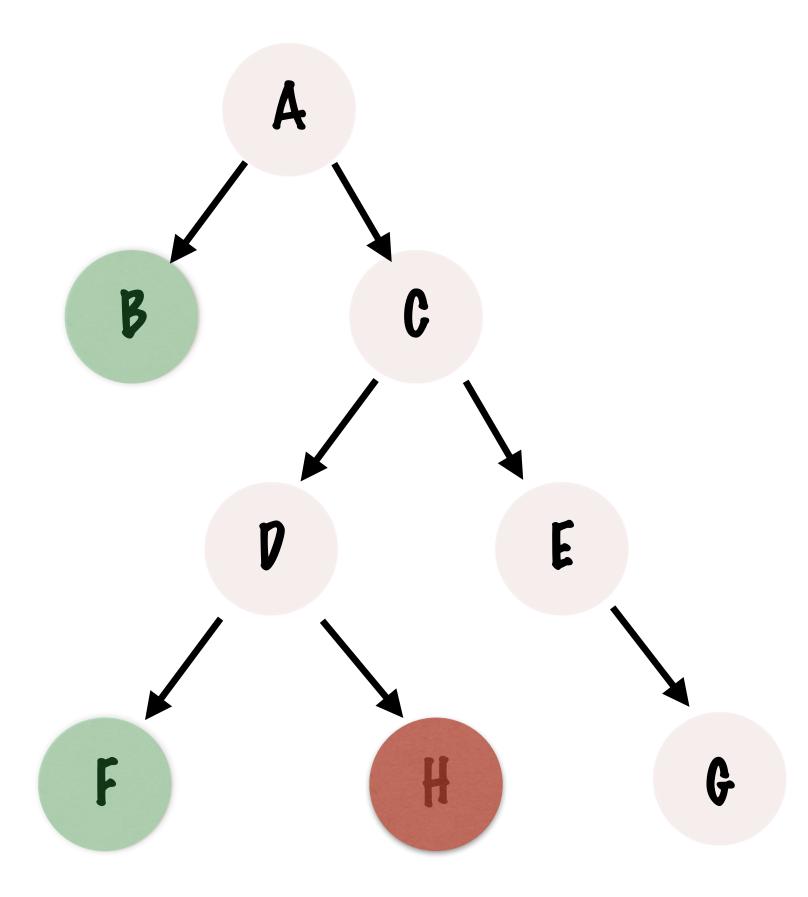
WE MOVE PEEP TO FIND THE LEFTMOST NODE

F WILL BE THE NEXT NOPE PROCESSED

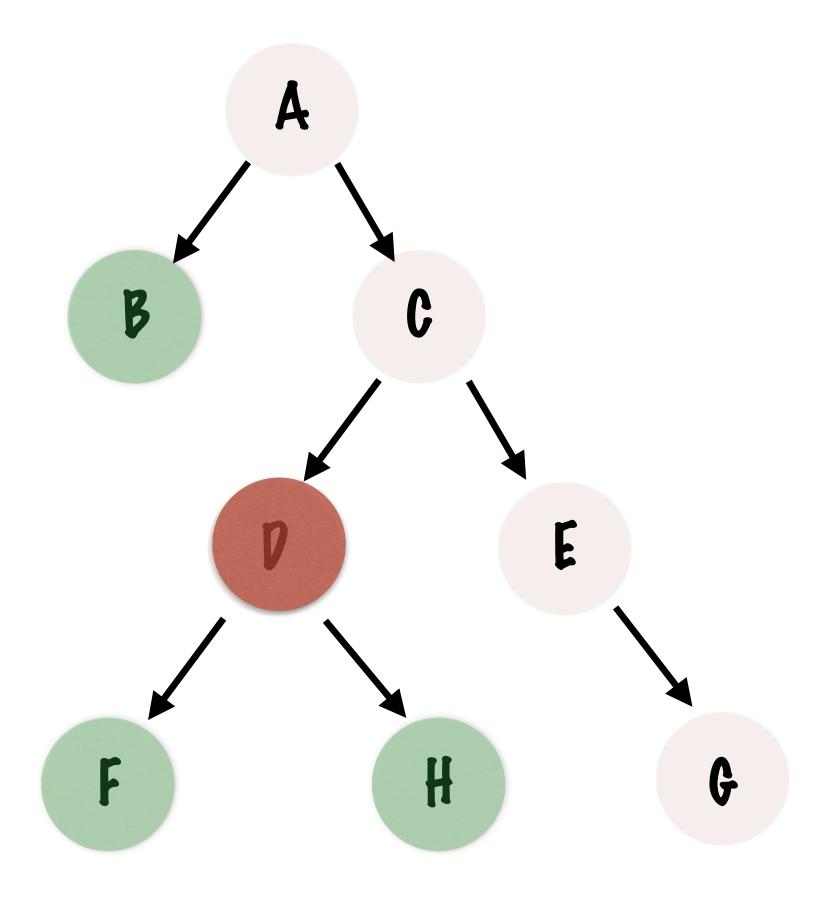




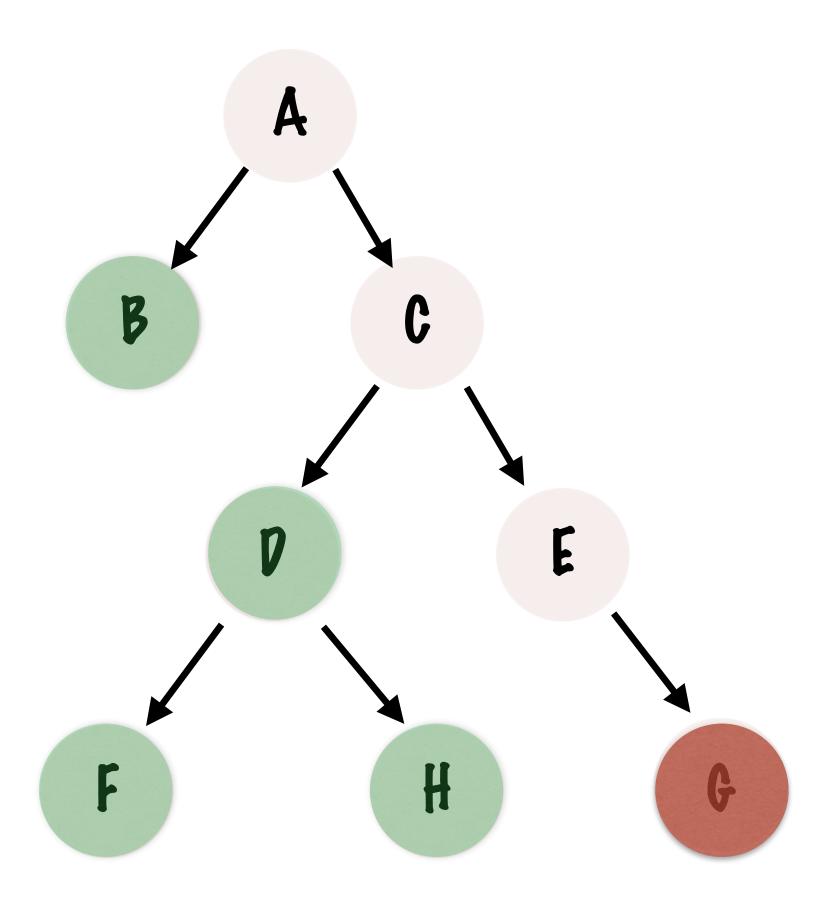
H, THE RIGHT CHILD OF D WILL BE PROCESSED BEFORE C OR D



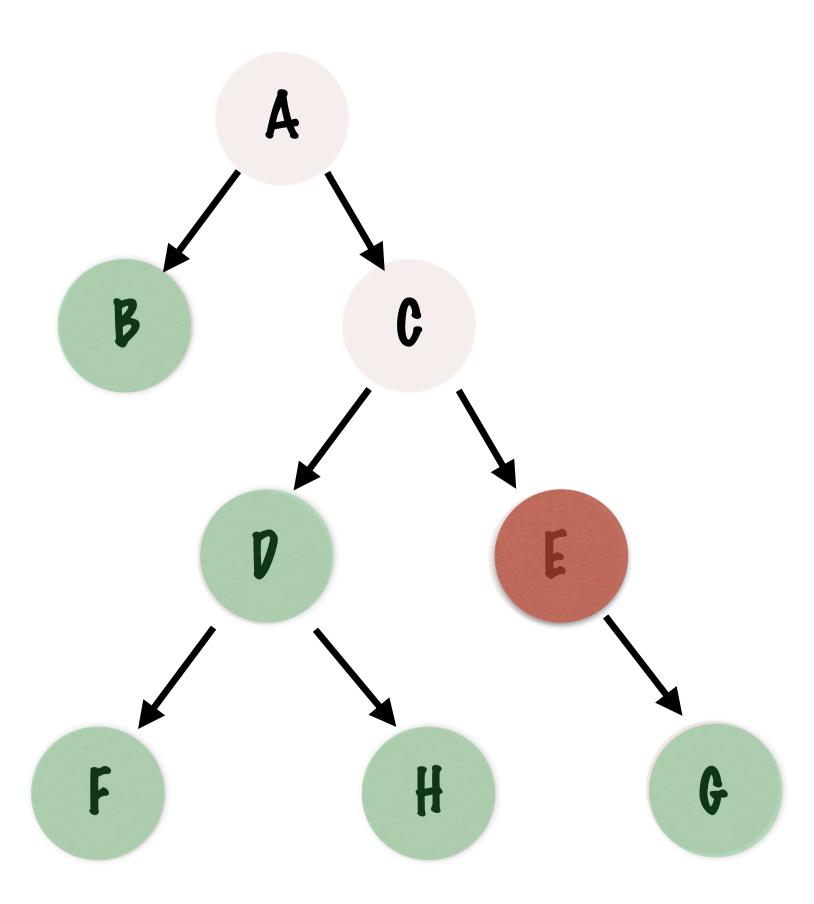
ONCE BOTH SUBTREES
ARE PROCESSED - THEN
THE NODE ITSELF CAN BE
PROCESSED



B->F->H



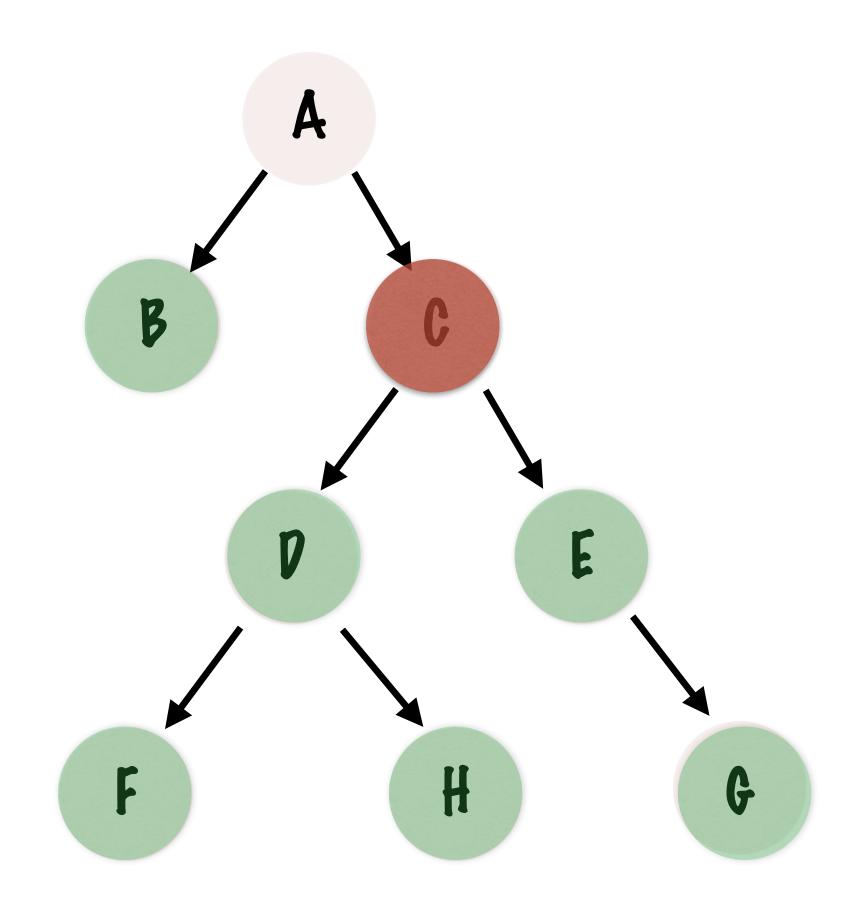
B->F->H->D



B->F->H->D->G

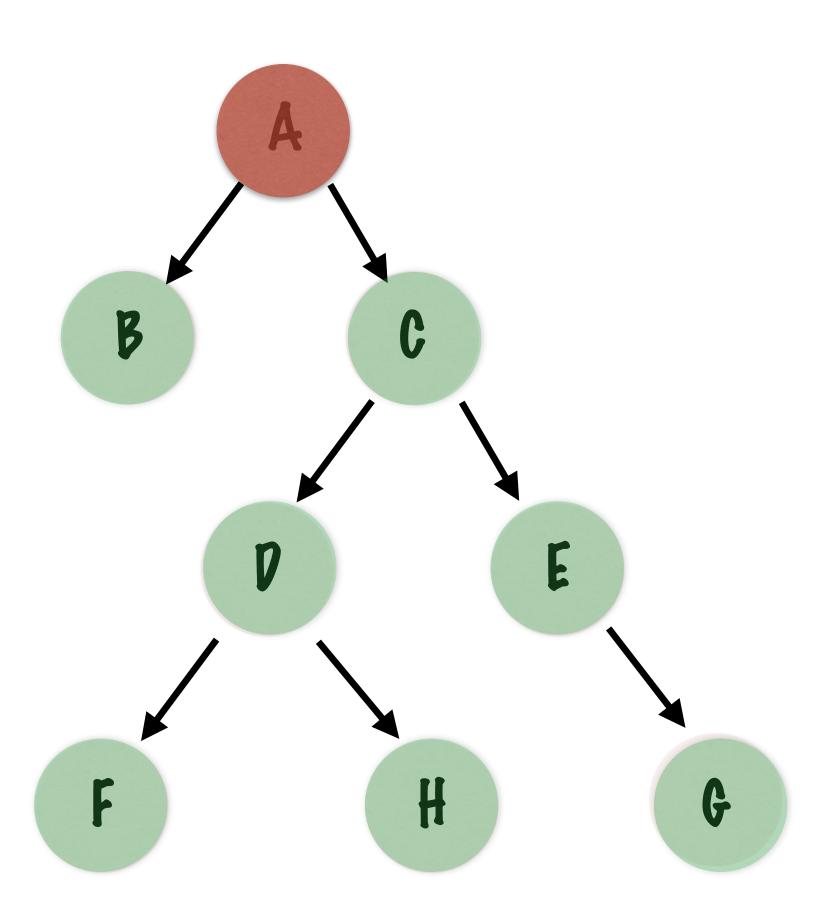
BOTH THE LEFT AND RIGHT SUBTREES OF NODE C ARE NOW PONE

C CAN FINALLY BE PROCESSED



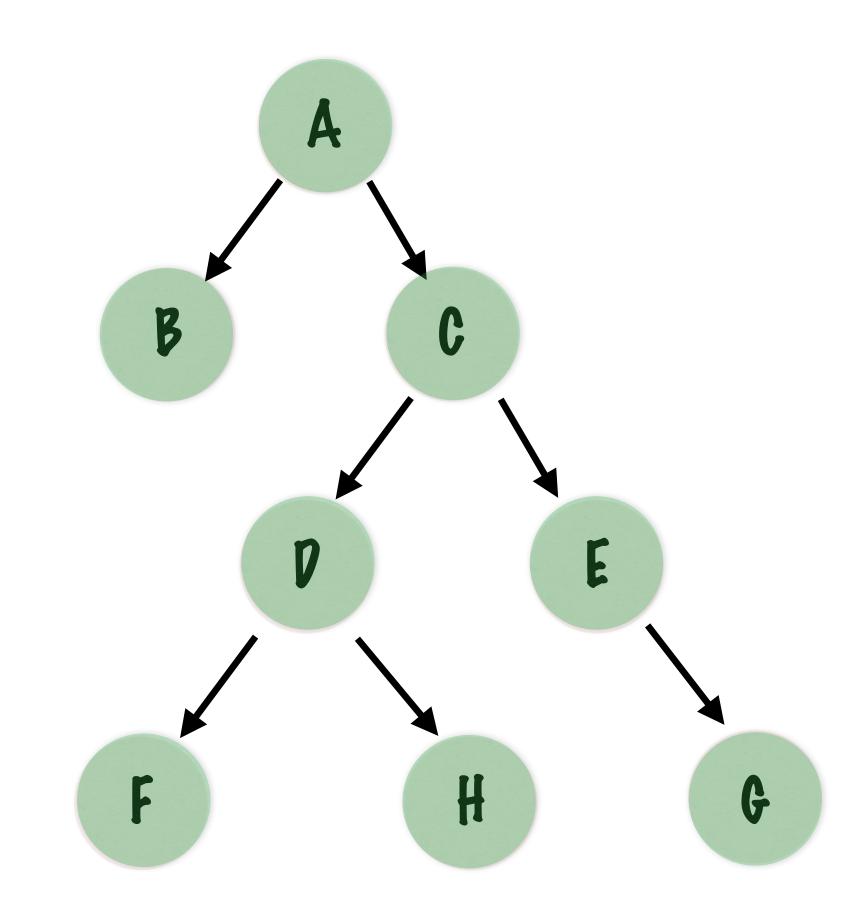
B->F->H->D->G->E

THE ROOT NODE IS PROCESSED LAST



B->F->H->D->G->E->C

ALL NOPES HAVE BEEN VISITED!



B->F->H->D->G->E->C->A

POST-ORDER TRAVERSAL CODE

```
public static void postOrder(Node root) {
   if (root == null) {
       return;
   postOrder(root.getLeftChild());
   postOrder(root.getRightChild());
   print(root);
    PROCESS THE LEFT AND
    RIGHT SUBTREE BEFORE
    PROCESSING THE NODE
    ITSELF
```

BASE CASE - NOTHING TO TRAVERSE