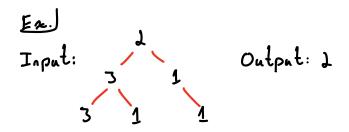
1457. Pseudo-Palindronic Paths in a Binary Tree

Given a binary tree ul values 1-9. A path in a binary tree is palindromic if atleast one permutation of the node values is a palindrome.

Return # pseudo-palindromic paths from root-> leaf nodes.



Reason: 3 leaves

Paths: 
$$[233] \rightarrow [232] + 1$$
  
 $[231] \rightarrow N/A + 0$   
 $[211] + 1$ 

Steps:

- 1) Produce a list of each possible path from root > leat
- 1) Check if the values can produce a palindrome.
- 3.1 If yes, augment assign 1 to result.
  Other vise, do nothing
- 4.) Final value of result is answer. result initially set to zero.

```
auto pseudo Palindronic Paths (TreeNode+ root) - int {
                             decltype (auto) result (3)
                          constanto paths & produce Paths (root) 3;
                          for (const auto & path: paths) {
                                           if ( can Be Palindrone (path)) {
                                            : result += 1;
                         return result;
                 anony mous namespace should be a top of file.
namespace {
auto produce Paths (TreeNode + node ) > std:: vector < std:: vecto
                           decltype (auto) result;
                           helper ( node, result);
                           return result;
void helper (TreeNode * node, autofresult, std::optional cstd::vectorcint77 ?
                                                                                                                                                                                                                                             air = std::nullopt){
                          if (! node) {
                                //result. push-back(arr); //error
                                        refuir.
                          if (!air) {
                          arr = stal : vector zint;
```

```
arr. push_back( node -> val);
      helper (node > left, result, arr);
      helper (node -> right, result, air);
      if (!node > left & ! node > right) {
         result. push-back(arr); // can instead directly call 'can Be Palindrone'
      air. pop-back ();
auto can Be Palindrone (const auto ¿ path) -> bool {
      11 if 7 1 count is odd, instantly false.
      // [112333] 2.lds 121
      11 I think otherwise true.
      Std: unordered-mape int, into m;
      for ( auto val : path ) &
          n[val] += 1;
                                                     1197
                                                        1771
      bool odd Found { };
      for ( const auto's [ Key, value]: m) {
          if ( value % 1 == 1) {
           ; if (odd Found) {
            return false;
             odd Found = true;
       retuin true;
```

Solution worked, but slightly different from above due to Time Exceeded.

change was to nake air unoidered nap, update count instead of push and pop list. (heck if any counts 71 of odds for when time to check spalindrane.