Vertical traversal of a binary tree

```
vector<int>
verticalOrder(Node *root)
                                {
                                    map<int, map<int, vector<int> > > nodes;
                                    queue< pair<Node*, pair<int,int> > q;
                                    vector<int> ans;
                                    if(root == NULL)
                                        return ans;
                                    q.push(make_pair(root, make_pair(0,0)));
                                    while(!q.empty()) {
                                        pair<Node*, pair<int,int> > temp =
                             q.front();
                                        q.pop();
                                        Node* frontNode = temp.first;
                                        int hd = temp.second.first;
                                        int lvl = temp.second.second;
                                        nodes[hd][lvl].push_back(frontNode->data);
                                        if(frontNode->left)
                                            q.push(make pair(frontNode->left,
                             make_pair(hd-1, lvl+1) ));
                                        if(frontNode->right)
                                            q.push(make_pair(frontNode->right,
                             make pair(hd+1, lvl+1)));
                                    for(auto i: nodes) {
```