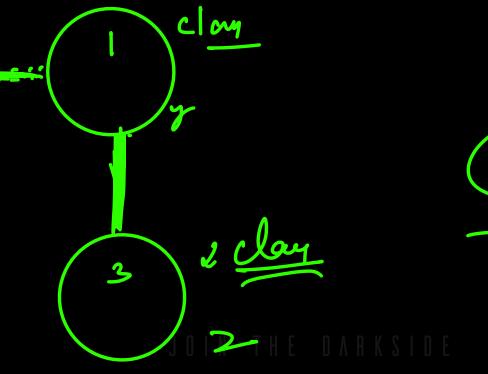
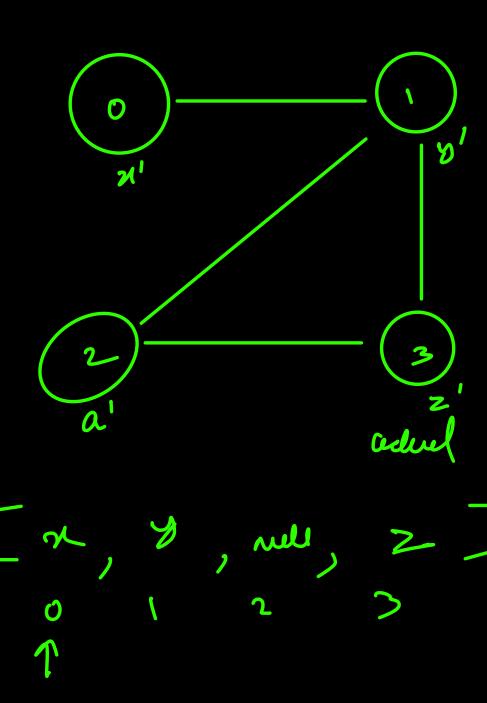
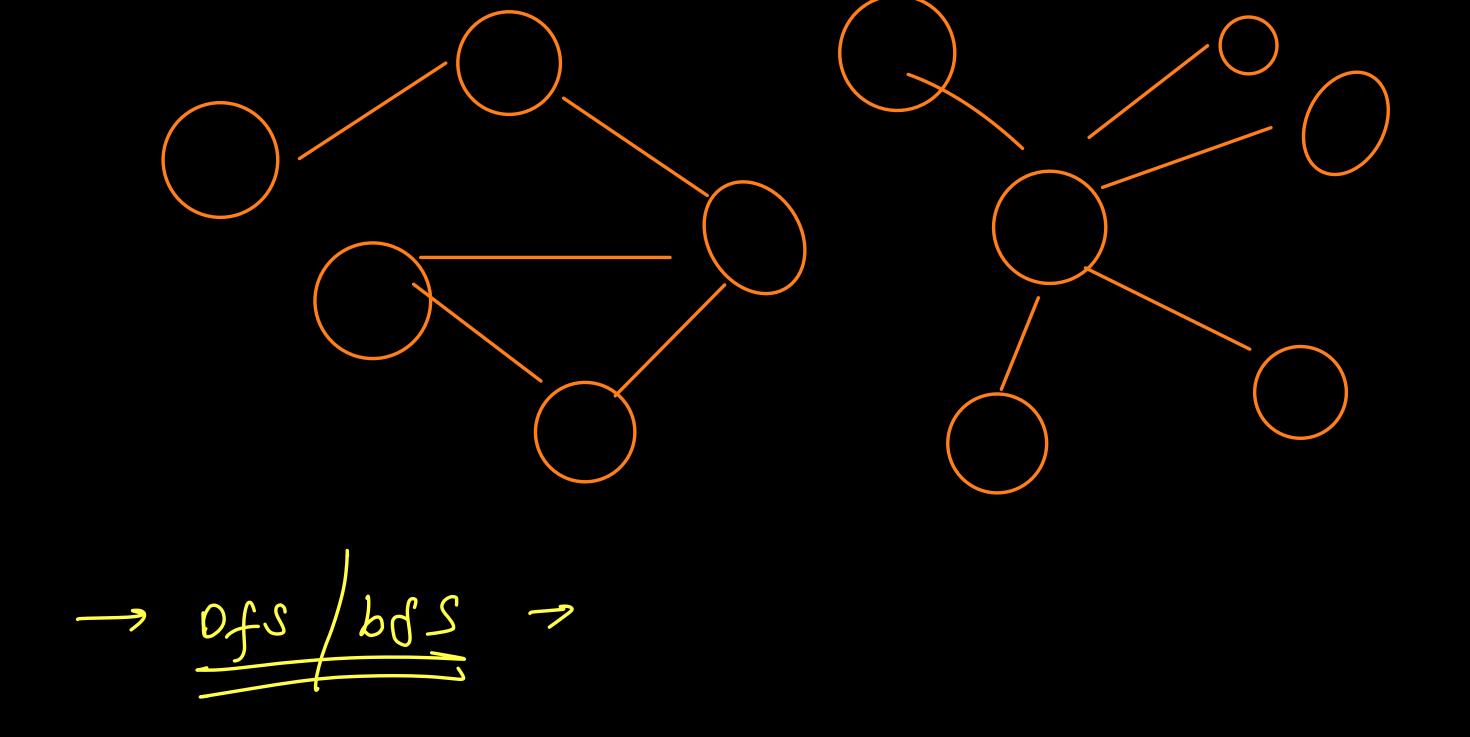
```
class Solution {
public:
    vector<Node*> nodeRegister;
   void dfs(Node* actual, Node* clone) {
        for(auto neighbor : actual->neighbors) {
            if(not nodeRegister[neighbor->val]) {
                // create the neighbor for the first time
               Node* newNode = new Node(neighbor->val);
                nodeRegister[newNode->val] = newNode;
                clone->neighbors.push_back(newNode);
                dfs(neighbor, newNode);
            } else {
                clone->neighbors.push_back(nodeRegister[neighbor->val]);
   Node* cloneGraph(Node* node) {
        if(node == NULL) return NULL;
        Node* clone = new Node(node->val);
        nodeRegister.resize(110, NULL); // this array contains ref to the created nodes
        nodeRegister[clone->val] = clone;
        dfs(node, clone);
        return clone;
```





-> 11 is a Subset of the given groppler # Connected Component that has verties believes which there is always a path. dest C.C. donot have as path in & verties present



is called is the No. 9 tuis df3/6/5 2 -> 6 -> 5 -> 1 2/5/6

gsid (i) Cj) represent color lectrodo 1034 101 6 2 2 3 70W = 3 Co1= 3

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O	3	3
(	3	2

2	2-1	2/
2		2
2/	2	4

	7	
	2	2
2_	2_	

