**Clone Graph**

unordered\_map<graphNode\*, graphNode\*> mp;

void dfs(graphNode\* node) {

graphNode\* copy = new graphNode(node->data);

mp[node] = copy;

for (auto neighbor : node->neighbours) {

if (mp.find(neighbor) != mp.end()) {

copy->neighbours.push\_back(mp[neighbor]);

} else {

dfs(neighbor);

copy->neighbours.push\_back(mp[neighbor]);

}

}

}

graphNode\* cloneGraph(graphNode\* node) {

if (!node) {

return NULL;

}

dfs(node);

return mp[node];

}