CSCI 2270 Lecture Notes

4/5/2019

Depth First Traverse

* specify a starting vertex
* keep visiting the first non-visited in each adjacency list
* Once adj list with 0 non visited vertices is encountered, go back to the last intersection point and visit next vertex in adjacency list

depthFirstTraverse(value)

root = find(value)

disp(vertex key0

depthFirstRecursive(root)

depthFirstRecursive(vertex)

vertex.visited = true

loop across adjacency list of vertex (x)

if(adj vertex NOT visisted)

disp(adj vertex key)

depthFirstRecurse(x)