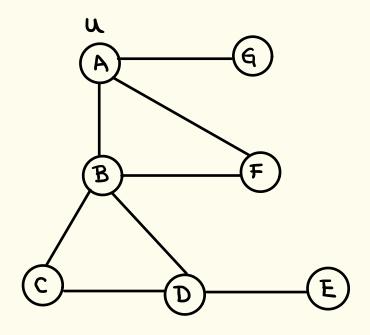
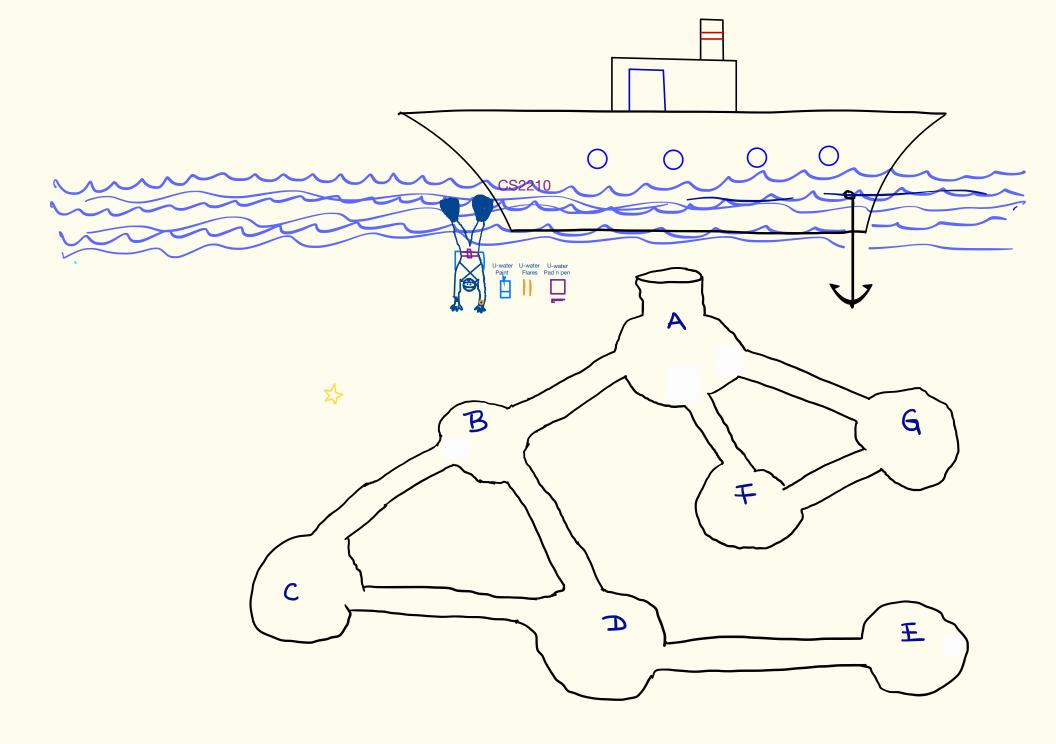
Graph Traversals

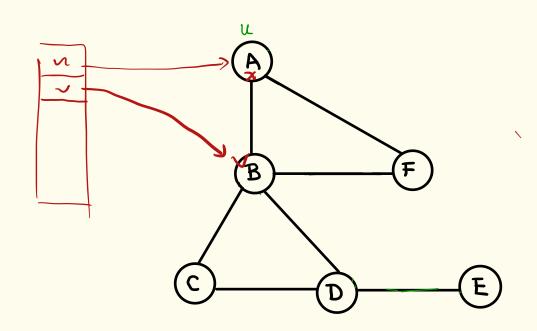
The process of starting at a vertex u and processing all the vertices and edges reachable from u is called a graph traversal.





Algorithm DFS (u)

In: Vertex u of a graph G=(V,E)
Out: { A DFS traversal of G starting at u}



Markun
for each edges (u,v) incident on u do {
if m,v) is not labelled then { label m,v) as discovery
:7 (husbyde (v)) return true
else label (11,1) as back
wehrn true
remm Jobse