Design and Analysis of Algorithms $_{\rm Graphs~3.2.8}$

Daniel Shannon April 20th, 2022 Suppose you are given a graph G in adjacency matrix form.

Goal: Given a vertex u, output all other vertices that are reachable from u (in the same component).

You could store a hashtable of the nodes and traverse the graph in a depth first manner. Each time you come to a node, add it to the hash table.