

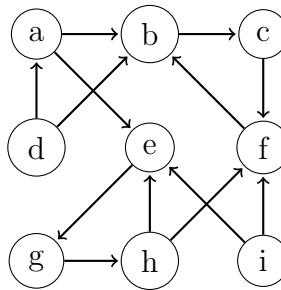
Homework 6

CS 331

Due Thursday, March 7

[Note: the first problem is short-answer only.]

1. Consider running `DFSALL` on the following graph, where every iteration (the outer one over all vertices, and the inner ones over edges) is in alphabetical order by vertex name:



- (a) What is the preorder of the vertices? What is the postorder?
 - (b) Shade in the “tree” edges.
 - (c) Circle the strongly connected components.
 - (d) Give a topological ordering of the strong component graph.
2. Complete the Jupyter notebook on the website.