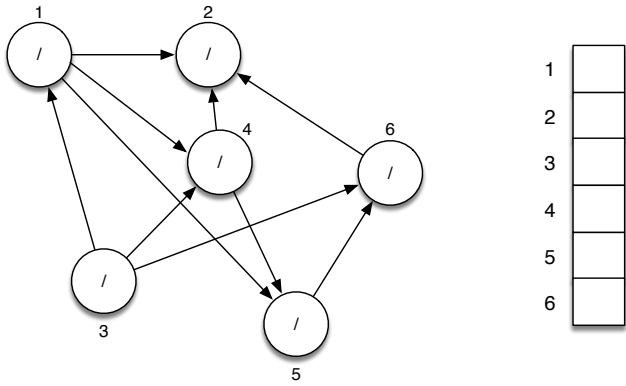
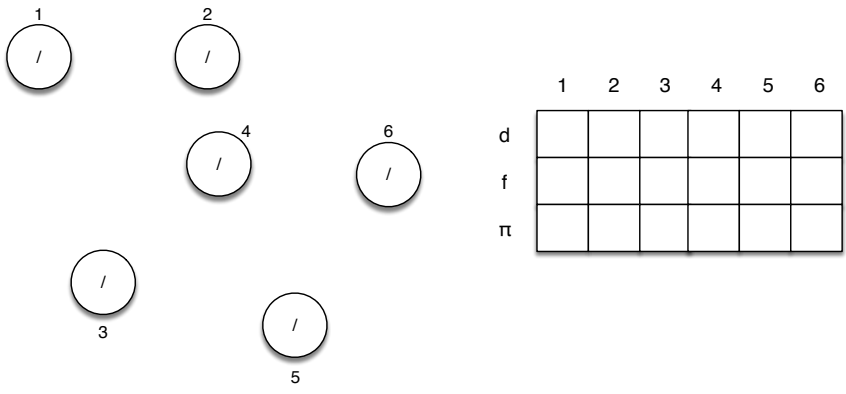


Topological Sort. For the following graph,

(a) Give an *adjacency list* representation for the graph. Order the lists by increasing vertex indices.



(b) Perform a DFS using vertex 4 as the source. (For any new trees, start at the smallest available vertex index).



(c) Perform a topological sort on the resulting depth first forest.



