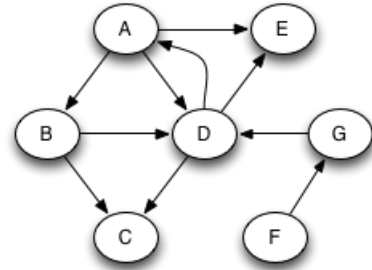


## Assignment 8: Graph Search

1. Given the graph shown, print all nodes connected to A using BFS and DFS. Also print predecessors of each node in BFS tree and DFS tree along with path length for BFS and  $d[t]$  and  $f[t]$  values for DFS.



2. If an edge between 2 nodes implies that they are in same set, find the number of disjoint sets through graph and print the elements of each of those sets.

