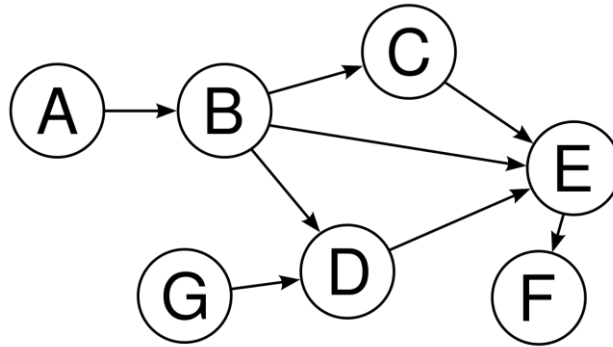# Lab 11

1. Perform the General Topological Sort algorithm on the following graph.

2. Devise an algorithm for the following problem. Then give the asymptotic running time of your algorithm, including an explanation of how you arrived at this running time.

   Algorithm: IsReachableFrom(G, u, v)
   Input: A directed graph G, vertices u, v in G
   Output: TRUE if there is a directed path from u to v in G, false otherwise.

3. https://leetcode.com/problems/course-schedule-ii/description/
4. (Optional) https://leetcode.com/problems/course-schedule/