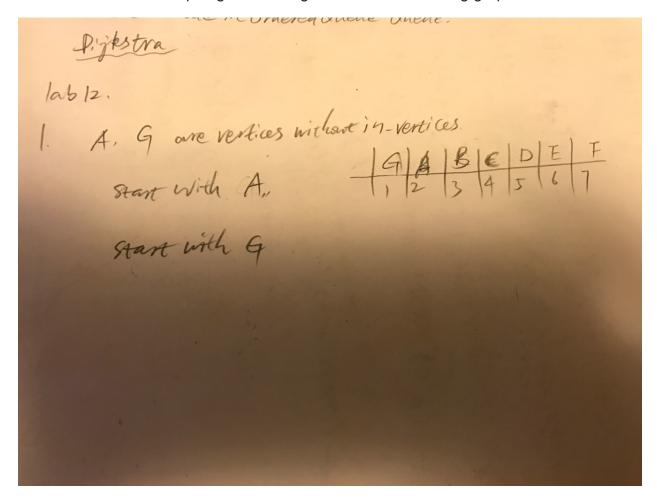
Lab 12 YuliangJin 986381

Problem 1

Perform the General Topological Sort algorithm on the following graph.



Problem 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.

