

CSDS 455: Applied Graph Theory

Homework 22

Due Monday, November 9 at the start of class

Homework rules: You are welcome to work with others to solve these problems. If you do get help from someone else (or from some other resource), please indicate that on your homework.

Problem 1: Prove that if we can solve the r -Vertex Disjoint Paths problem in polynomial time then we can determine if G contains another graph H as a minor in polynomial time.