Notice: Try to solve these problems before the recitation session by yourself. Sometimes we put up more problems than one is able to discuss in 50 minutes. We want to make sure that we do not run out of problems during each session.

Problem 1

Show that NP is closed under concatenation (try showing the same thing for union, intersection, and star operations by yourself. They are pretty much similar).

Assignment Project Exam Help

Problem 2

A triangle in an undirected graph is a 3-clique. Show that $TRIANGLE \in P$, where $TRIANGLE = \{\langle G \rangle \mid G$ contains a triangle$\}$.

https://tutorcs.com

WeChat: cstutorcs