CMPSC 464: Introduction to the Theory of Computation

Recitation #7

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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

A triangle in an undirected eraph is a 3/olique. Show that $TRLANGLE \in P$, where $TRLANGLE = \{\langle G \rangle \mid G \text{ contains a triangle}\}$.

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