

22C : 231 Design and Analysis of Algorithms
Homework 2
Due Tuesday, September 23

You are expected to do the homework assignments on your own without consulting human and non-human sources (like web pages or books) for the solutions.

Solve exercises 3, 8, 9, 11, and 12 of Chapter 13 in the textbook.

For exercise 8, it is also okay to give a randomized polynomial time algorithm for which the expected number of required edges is $\frac{mk(k-1)}{n(n-1)}$.