

Probabilistic Methods

Homework #4

Due: *Thursday, November 14th*

Problem 5

Let $p = p(n)$ be a function of n such that $n^4 p^3 \rightarrow \infty$ but $n^5 p^4 \rightarrow 0$. Prove that the largest component of the random graph $G(n, p)$ has four vertices.