

MATH 113: DISCRETE STRUCTURES
HOMEWORK FOR MONDAY WEEK 5

Problem 1. Problem 3.1.1 from *DM:EB*.

Problem 2. Consider the binomial theorem and the equation $(1+x)^m(1+x)^{n-m} = (1+x)^n$. Examine the coefficient of x^k on either side of this equation to derive an interesting identity.