

MATH 113: DISCRETE STRUCTURES
HOMEWORK DUE WEDNESDAY WEEK 5

Problem 1. 2.1.8 from *DM:EB*

Problem 2. Suppose that n lines in the plane are drawn in such a fashion that no two are parallel and no three intersect in a common point. Prove that the plane is divided into precisely $\frac{n(n+1)}{2} + 1$ regions by the lines.