MATH 113: DISCRETE STRUCTURES HOMEWORK FOR WEDNESDAY WEEK 4

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.