

Math 547 – Assignment 1

Assigned on January 12, 2018. Due on January 28, 2018 at 11 PM, via myCourses.

The below problems are all from Grimmett and Stirzaker. Feel free to discuss with others, but write your own solutions in your own words. Explain your work.

1. Exercises 5.1.2, 5.1.5, 5.1.6 and 5.1.7. In 5.1.7, the function G should be

$$G(x, y, z, w) = \frac{1}{8} (xyzw + xy + xz + xw + yz + yw + zw + 1);$$

there is a typo in the book.

2. Exercises 5.2.2, 5.2.3, 5.2.4 and 5.2.8
3. Exercises 5.3.1, 5.3.3, 5.3.5 and 5.3.8