Assignment 6

Math 351

1 Instructions

Upload all source files (`.tex`, `.jpg`, `.bib`, etc.) and the `.pdf` output file containing your solution to PolyLearn on or before Sunday. An assignment which completes this exercise in an interesting way will earn the coveted LaTeXer of the week distinction.

Exercise 1. Create either presentation slides or a poster. The topic is up to you; if you really can't think of an idea, here are some options:

1. The statement and a proof of the Pythagorean theorem,
2. A description and an application of Gray codes; see

   https://en.wikipedia.org/wiki/Gray_code,

3. The four color theorem; see

   https://en.wikipedia.org/wiki/Four_color_theorem

4. The birthday paradox and corresponding crypographic attack; see

   https://en.wikipedia.org/wiki/Birthday_problem

Feel free to start by modifying the examples of slides or a poster that I have provided.

Some images must be included (either by including graphics or using TikZ); the slides or poster cannot be only text or mathematics. Text or graphics can be "borrowed" from the internet.

Please do not worry about making the poster or presentation too detailed or involved! Since Math 351 is a one unit class, this assignment should take no more than an hour or two. The purpose of this assignment is simply to familiarize you with either the `beamer` class or the `tikzposter` class.