

Individual XXXX

Yu Fan Mei
Introduction to Proof and Problem Solving

October 31, 2024

Problem 1. Prove that you will survive MATH-2800.

Before we prove this, we will need a lemma.

Lemma 1. For every class at Georgetown that is \geq MATH-2000, you will get an A or $A -$.

Proof. Let X be a discrete random variable representing the number of classes you get an A in. The rest of the proof is by magic. Thus, we have proven that this lemma is true. \square

Now, we will prove problem 1 using something...

Proof. The proof is left as an exercise to the reader. \square

While working on this proof, I received no external assistance aside from advice from Professor Mehmetaj.