Undegraduate Mathematics

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Chapter 1

Preface

This project started as a posible review of all topics revisited in an under-graduate math course.

Chapter 2

Introduction to Mathematics

First, a word about sets. These are the most primitive objects in mathematics. We use the following observation by Cantor

> By an aggregate [set] we are to understand any collection into a whole M of definite and separate objects m of our intution or our thought. These objects we call the elements of M
>
> *Cantor*

We start with an informal definition of Natural numbers, recall that we can put this in stone observations, using the Peano axioms