The Proof of Nothing

Some subtitle

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There Is No Largest Prime Number

The proof uses reductio ad absurdum.

Theorem

There is no largest prime number.

1. Suppose p were the largest prime number.

4. But q + 1 is greater than 1, thus divisible by some prime number not in the first p numbers.

There Is No Largest Prime Number

The proof uses reductio ad absurdum.

Theorem

There is no largest prime number.

- 1. Suppose p were the largest prime number.
- 2. Let q be the product of the first p numbers.
- 4. But q + 1 is greater than 1, thus divisible by some prime number not in the first p numbers.

There Is No Largest Prime Number

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Theorem

There is no largest prime number.

- 1. Suppose p were the largest prime number.
- 2. Let q be the product of the first p numbers.
- 3. Then q + 1 is not divisible by any of them.
- 4. But q + 1 is greater than 1, thus divisible by some prime number not in the first p numbers.

A longer title

- * one * two¹

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Itemize Introduction

- * Here you can see an itemization
 - * It has items
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Introduction → Some subsection

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