

CSU Is Cool And this is a really long title
so that I can test out really long titles



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Beep Boop Bopolous

Outline

Section 1

Section 2

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.

There Is No Largest Prime Number

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Theorem

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2. Let q be the product of the first p numbers.

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2. Let q be the product of the first p numbers.
3. Then $q + 1$ is not divisible by any of them.

There Is No Largest Prime Number

The proof uses *reductio ad absurdum*.

Theorem

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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

▶ two