

**Beamer Template: This is a template based on the ppt presentation template in 2016 published. This is to show the longest title can occupy three lines**

Name speaker  
Department



# Outline

## 1 Main Contents

## 2 Main Contents

## 3 Main Contents

## 4 Main Contents

# There Is No Largest Prime Number

## Theorem

*There is no largest prime number.*

- Suppose  $p$  were the largest prime number.
- 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

## Theorem

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*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
- two

