

# This is an example presentation

No need to worry!

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Conference on Alternative Block Ciphers



ALGORITHMS AND  
COMPLEXITY GROUP

## 1 Section 1

## 2 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.
- 2 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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*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.

## 1 Section 1

## 2 Section 2

- one
- two

firstly This is the first item.

secondly This is the second item.

## Theorem

*This is a theorem.*

## Careful

Cave canem.

## Example

This is an example.