

# Master Verteidigung

**TOM MEYER**

Universität Rostock, Institut für Informatik



## Struktur der Vortrages

Damit der Hörer auch ein wenig durchsieht

### Einige Beispielfolien

Beispiel aus beamerusersguide.pdf



## Motivation



## Background



## Zusammenfassung



## Auswertung

## There Is No Largest Prime Number

The proof uses *reductio ad absurdum*.

### Theorem

*There is no largest prime number.*

### Beweis.

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. Thus  $q + 1$  is also prime and greater than  $p$ .



## There Is No Largest Prime Number

The proof uses *reductio ad absurdum*.

### Theorem

*There is no largest prime number.*

### Beweis.

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. Thus  $q + 1$  is also prime and greater than  $p$ .





## There Is No Largest Prime Number

The proof uses *reductio ad absurdum*.

### Theorem

*There is no largest prime number.*

### Beweis.

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. Thus  $q + 1$  is also prime and greater than  $p$ .

