DONDERS INSTITUTE

A beamer theme for the Donders Institute!

Pierre Guetsche
Radboud University, Donders Institute, Nijmegen, Netherlands

October 15, 2022

Radboud University Radboudumc

DONDERS INSTITUTE

The first section

Radboud University Radboudumc

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

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.
3. Then $q + 1$ is not divisible by any of them.
   - 3-a
     - 3.1 here
     - 3.2 there
   - 3-b
4. But $q + 1$ is greater than 1, thus divisible by some prime number not in the first p numbers.

The second section

The last frame's title

- one
- two
  - two-a
    - two-a-1
    - two-b-2
  - two-b