

# Limits and continuity

---

Yichao Huang, University of Helsinki

September 1, 2020

## Week III: Outline

1. Limit of a function
2. Say hello to epsilon-delta
3. Continuous functions
4. Bolzano's theorem

## **Symbols (and logic)**

---

# Logic in every day life

## **Examples of proofs**

---

## **Set, elements, subsets**

---

# What is a set?

A **set** is a well-defined collection of distinct objects.

## Counting finite sets

---