

Diskmath Week 7

Emil Straschil

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Hello

I am Emil.

I have a **website**:

emils.site (yes thats the URL)

repo: <https://github.com/emil3tr/emil3tr.github.io>

All materials will be uploaded there.

Any Feedback / Questions /
Wishes / ... ?

→ estraschil@student.ethz.ch

→ “Emil” (floxi4) on dinfk-discord

→ Diskmath-questions: ask here
so others can benefit (:

Where are we right now?

Basics

Abstraction
Formulas
Statements
Prop. Logic
Pred. Logic
Proof Patterns

Sets and
Relations

Sets
Set Operations
Relations
Equivalence
Partial Order
Functions
Countability

Number Theory

Division
Primes
Modular Arith.
Diffie-Hellman

Algebra

Monoids
Groups
Euler Totient
RSA
Rings
Polynomials
Finite Fields
Err. Corr. Codes

Logic

Proof Systems
Logic
Calculi
Res. Calculus
Prop. Logic
Pred. Logic

Today

1. Last Exercise Sheet
2. Kahoot
3. Euclid Algorithm
4. (Theory Recap)
5. Exercises
6. (CRT Algorithm)
7. (Extended Euclid)

Everything we won't have time for
is on the website

Ask questions, so we can cover
what you need

Questions?

Next Week

I have an exam):

→ CLASS ON MONDAY WILL NOT HAPPEN !!

BUT

We will (probably) get a room for Tuesday (probably 16:15).

You will get a mail (If not then write me! I couldn't add everyone to mailing list)

Last Kahoot

A set which contains all countable sets can actually not exist.

Ask me in the break for proof, I hope I still remember it (:

Last Serie

Any Questions before
Kahoot?