Diskmath Week 7

Emil Straschil

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.

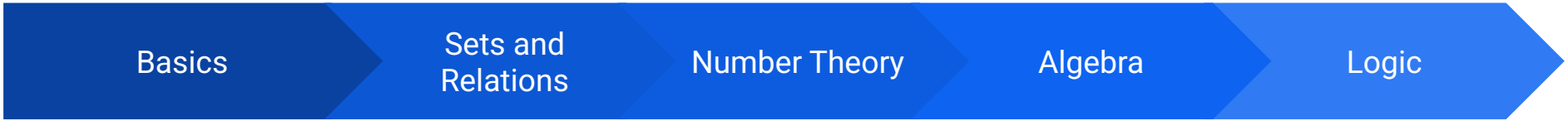
Any Feedback / Questions / Wishes / … ?

→ estraschil@student.ethz.ch

→ “Emil” (floxi4) on dinfk-discord

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

Where are we right now?



Abstraction
Formulas
Statements
Prop. Logic
Pred. Logic
Proof Patterns

Sets
Set Operations
Relations
Equivalence
Partial Order
Functions
Countability

Division
Primes
Modular Arith.
Diffie-Hellman

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

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

Today

1. Theory Recap
2. Kahoot
3. Exercises
4. (Extended Euclid)
5. (Chinese Remainder Theorem Brute Force)

Everything we won’t have time for is on the website!

Questions?

Feedback

Thank you for feedback!

(You can still give feedback.)

General Outcome: More of everything (I know, we have too little time…)

- If you have questions about an exercise sheet, don’t be afraid to ask me or write a mail!
- We sadly cannot stay longer than 16:00 (room is reserved)
- I will try to organize a study-prep event

Theory Recap

Kahoot

Exercises

(Extended Euclid + CRT)