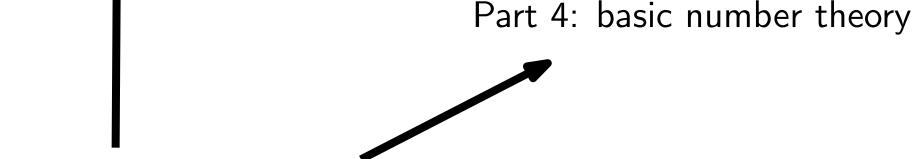


- Cryptography
- Error correction
- Quantum Computing

Part 3: Combinatorics and counting

- Runtime analysis of algorithms
- Basics of probabilities



Part 2: Graphs and relations

- Representing data and relationships between things
- Important basis for the rest of your studies (in particular "Algorithms and Data Structures")



Part 1: introduction to mathematics

- Sets
- Basics in logic and proofs