

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

## CHAPTER 1

The first part of the book discusses the basic concepts of the theory of computation, including the definition of a problem, the notion of a solution, and the concept of a Turing machine.

The second part of the book discusses the complexity theory, including the definition of time complexity, space complexity, and the complexity classes P, NP, and PSPACE.

The third part of the book discusses the decidability theory, including the definition of a decidable problem, the notion of a reduction, and the concept of a Turing machine. It also discusses the undecidable problems, such as the halting problem and the Entscheidungsproblem.

The fourth part of the book discusses the computational complexity theory, including the definition of a complexity class, the notion of a complexity reduction, and the concept of a complexity class hierarchy.



