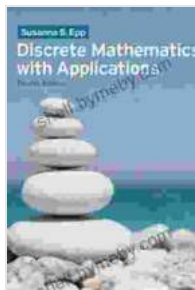


Discrete Mathematics With Applications: A Comprehensive Guide to the Foundations of Computer Science

Discrete mathematics is a branch of mathematics that deals with objects that can take on only a finite number of values. It is a fundamental tool in computer science, as it is used to model the behavior of computers and other digital systems.

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Discrete Mathematics with Applications by Susanna S. Epp

★★★★☆ 4.5 out of 5

Language : English

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The book is divided into seven chapters, each of which covers a different topic in discrete mathematics. The first chapter introduces the basic concepts of set theory, logic, and proof. The second chapter covers counting and probability. The third chapter introduces relations and functions. The fourth chapter covers graphs and trees. The fifth chapter

covers Boolean algebra. The sixth chapter covers finite state machines. The seventh and final chapter covers applications of discrete mathematics to computer science.

Discrete Mathematics With Applications is a valuable resource for students and professionals in computer science. The book provides a thorough overview of the essential concepts of discrete mathematics, and it is written in a clear and concise style.

Key Features of *Discrete Mathematics With Applications*

- Provides a comprehensive overview of the essential concepts of discrete mathematics
- Written in a clear and concise style
- Includes numerous examples and exercises
- Suitable for students and professionals in computer science

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2. Counting and Probability
3. Relations and Functions
4. Graphs and Trees
5. Boolean Algebra
6. Finite State Machines
7. Applications of Discrete Mathematics to Computer Science

Author Biography

Susanna Epp is a professor of mathematics at the University of California, Davis. She is the author of several textbooks on discrete mathematics and computer science. Her books are known for their clear and concise writing style, and they are widely used in classrooms around the world.

Reviews

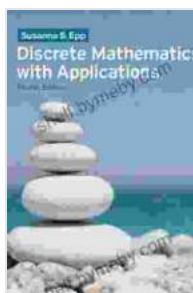
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