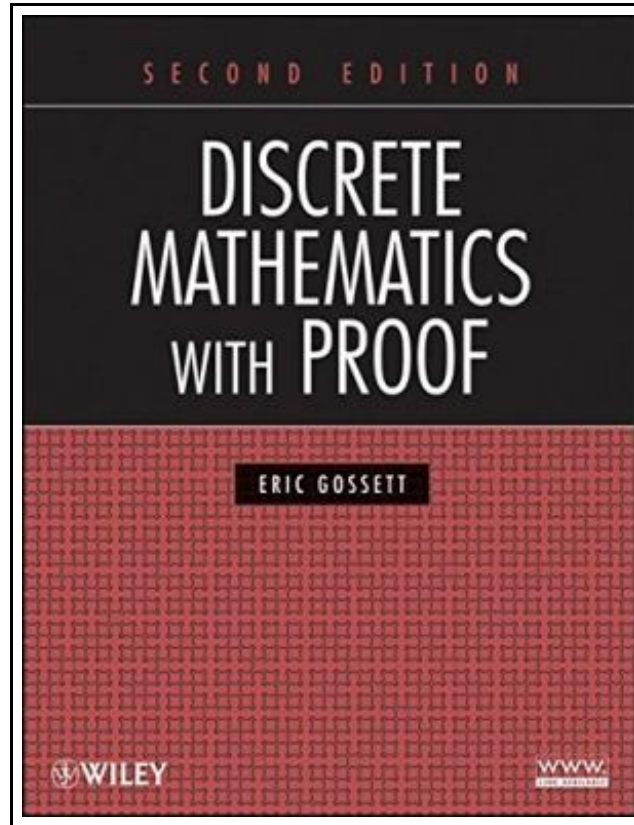


Discrete Mathematics with Proof



Filesize: 5.94 MB

Reviews

Absolutely essential study pdf. It is written in basic words and phrases rather than hard to understand. I am just happy to tell you that this is basically the finest pdf I actually have studied during my personal lifestyle and can be the very best publication for actually.
(Shyanne Senger)

DISCRETE MATHEMATICS WITH PROOF



To get **Discrete Mathematics with Proof** PDF, please follow the link below and download the document or get access to additional information that are relevant to DISCRETE MATHEMATICS WITH PROOF book.

Wiley, 2009. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service!
 Summary: Preface.Acknowledgements.To The Student.1. Introduction.1.1 What Is Discrete Mathematics?1.2 The Stable Marriage Problem.1.3 Other Examples.1.4 Exercises.1.5 Chapter Review.2. Sets, Logic, and Boolean Algebras.2.1 Sets.2.2 Logic in Daily Life.2.3 Propositional Logic.2.4 Logical Equivalence and Rules of Inference.2.5 Boolean Algebras.2.6 Predicate Logic.2.7 Quick Check Solutions.2.8 Chapter Review.3. Proof.3.1 Introduction to Mathematical Proof.3.2 Elementary Number Theory: Fuel for Practice.3.3 Proof Strategies.3.4 Applications of Elementary Number Theory.3.5 Mathematical Induction.3.6 Creating Proofs: Hints and Suggestions.3.7 Quick Check Solutions.3.8 Chapter Review.4. Algorithms.4.1 Expressing Algorithms.4.2 Measuring Algorithm Efficiency.4.3 Pattern Matching.4.4 The Halting Problem.4.5 Quick Check Solutions.4.6 Chapter Review.5. Counting.5.1 Permutations and Combinations.5.2 Combinatorial Proofs.5.3 Pigeon-Hole Principle; Inclusion-Exclusion.5.4 Quick Check Solutions.5.5 Chapter Review.6. Finite Probability Theory.6.1 The Language of Probabilities.6.2 Conditional Probabilities and Independent Events.6.3 Counting and Probability.6.4 Expected Value.6.5 The Binomial Distribution.6.6 Bayes's Theorem.6.7 Quick Check Solutions.7. Recursion.7.1 Recursive Algorithms.7.2 Recurrence Relations.7.3 Big-2and Recursive Algorithms: The Master Theorem.7.4 Generating Functions.7.5 The Josephus Problem.7.6 Quick Check Solutions.7.7 Chapter Review.8. Combinatorics.8.1 Partitions, Occupancy Problems, Stirling Numbers.8.2 Latin Squares; Finite Projective Planes.8.3 Balanced Incomplete Block Designs.8.4 The Knapsack Problem.8.5 Error-Correcting Codes.8.6 Distinct Representatives, Ramsey Numbers.8.7 Quick Check Solutions.8.8 Chapter Review.9. Formal Models in Computer Science.9.1 Information.9.2 Finite-State Machines.9.3 Formal Languages.9.4 Regular Expressions.9.5 The Three Faces of Regular.9.6 A Glimpse at More Advanced Topics.9.7 Quick Check Solutions.9.8 Chapter Review.10. Graphs.10.1 Terminology.10.2 Connectivity and Adjacency.10.3 Euler and Hamilton.10.4 Representation and Isomorphism.10.5 The Big Theorems: Planarity, Euler, Polyhedra, Chromatic Number.10.6 Directed Graphs and Weighted Graphs.10.7 Quick Check Solutions.10.8 Chapter Review.11. Trees.11.1 Terminology, Counting.11.2 Traversal, Searching, and Sorting.11.3 More Applications of Trees.11.4 Spanning Trees.11.5 Quick Check Solutions.11.6 Chapter Review.12. Functions, Relations, Databases, and Circuits.12.1 Functions and Relations.12.2 Equivalence Relations, Partially Ordered Sets.12.3 n-ary Relations and Relational Databases.12.4 Boolean Functions and Boolean Expressions.<p&



[Read Discrete Mathematics with Proof Online](#)



[Download PDF Discrete Mathematics with Proof](#)

Related Books



[PDF] Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)

Follow the web link beneath to download "Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)" document.

[Download eBook »](#)



[PDF] Maisy's Christmas Tree

Follow the web link beneath to download "Maisy's Christmas Tree" document.

[Download eBook »](#)



[PDF] The Web Collection Revealed, Premium Edition: Adobe Dreamweaver CS6, Flash CS6, and Photoshop CS6 (Stay Current with Adobe Creative Cloud)

Follow the web link beneath to download "The Web Collection Revealed, Premium Edition: Adobe Dreamweaver CS6, Flash CS6, and Photoshop CS6 (Stay Current with Adobe Creative Cloud)" document.

[Download eBook »](#)



[PDF] Star Flights Bedtime Spaceship: Journey Through Space While Drifting Off to Sleep

Follow the web link beneath to download "Star Flights Bedtime Spaceship: Journey Through Space While Drifting Off to Sleep" document.

[Download eBook »](#)



[PDF] TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)

Follow the web link beneath to download "TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)" document.

[Download eBook »](#)



[PDF] TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)

Follow the web link beneath to download "TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)" document.

[Download eBook »](#)