Discrete Mathematics with Proof

By Gossett, Eric

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

Reviews

Merely no words to describe. I have got study and i am confident that i am going to planning to go through yet again once again in the foreseeable future. You will like just how the writer compose this publication.
-- Devante Schmitt

Complete guideline! Its this sort of excellent read. I could comprehended every little thing out of this written e publication. Its been designed in an remarkably easy way and it is only right after i finished reading this publication by which really transformed me, affect the way i think.
-- Prof. Shanie Schinner Sr.