



## Discrete Mathematics (Second Edition)

By Norman L. Biggs

Oxford University Press, 2015. Softcover. Book Condition: New. 5th or later edition. 18 x 25 cm. Contents: Part 1 Foundations 1. Statements and Proofs 1.1 Some Mathematical Statements 1.2 How to do Mathematics 1.3 Compound Statements 1.4 Existential Statements 1.5 Universal Statements 1.6 Proof Techniques 1.7 Miscellaneous Exercises 2. Set Notation 2.1 Sets of Objects and Numbers 2.2 Subsets 2.3 Union and Intersection 2.4 Miscellaneous 3. The logical Framework 3.1 logical Operations: not or, and 3.2 if- then 3.4 The converse Statement 3.5 The Contrapositive Statement 3.6 Universal and Existential Quantifiers 3.7 Miscellaneous Exercises 4. Natural Numbers 4.1 The `law of Algebra 4.2 Putting the Natural Numbers in Order 4.3 The Principle of Induction 4.5 Recursive Definitions 4.6 Other forms of the Principle of Induction 4.7 Greatest and least Members 4.8 How a Conjecture Becomes a Theorem 4.9 Miscellaneous Exercises 5 Function 5.1 The Concept of a Function 5.2 Surjections, Injections 5.3 Composition of Functions 5.4 Bijections and Inverse Functions 5.5 Miscellaneous Exercises 6 How to Count 6.1 Counting as a Bijection 6.2 The Size of a Set 6.3 A Counting Problem 6.4 some Applications of the Pigeonhole Principle 6.5 Infinite Sets 6.6 Strange Properties of Infinite Sets 6.7 Miscellaneous...



READ ONLINE [ 1.57 MB ]

## Reviews

Extensive guide for ebook lovers. It generally does not cost excessive. Your way of life span will likely be convert the instant you complete looking at this ebook.

-- Rocky Dach

Certainly, this is the very best work by any author. It is amongst the most remarkable publication i have got study. I am just happy to inform you that this is actually the greatest pdf i have got study inside my individual daily life and can be he very best publication for at any time.

-- Gilbert Rippin