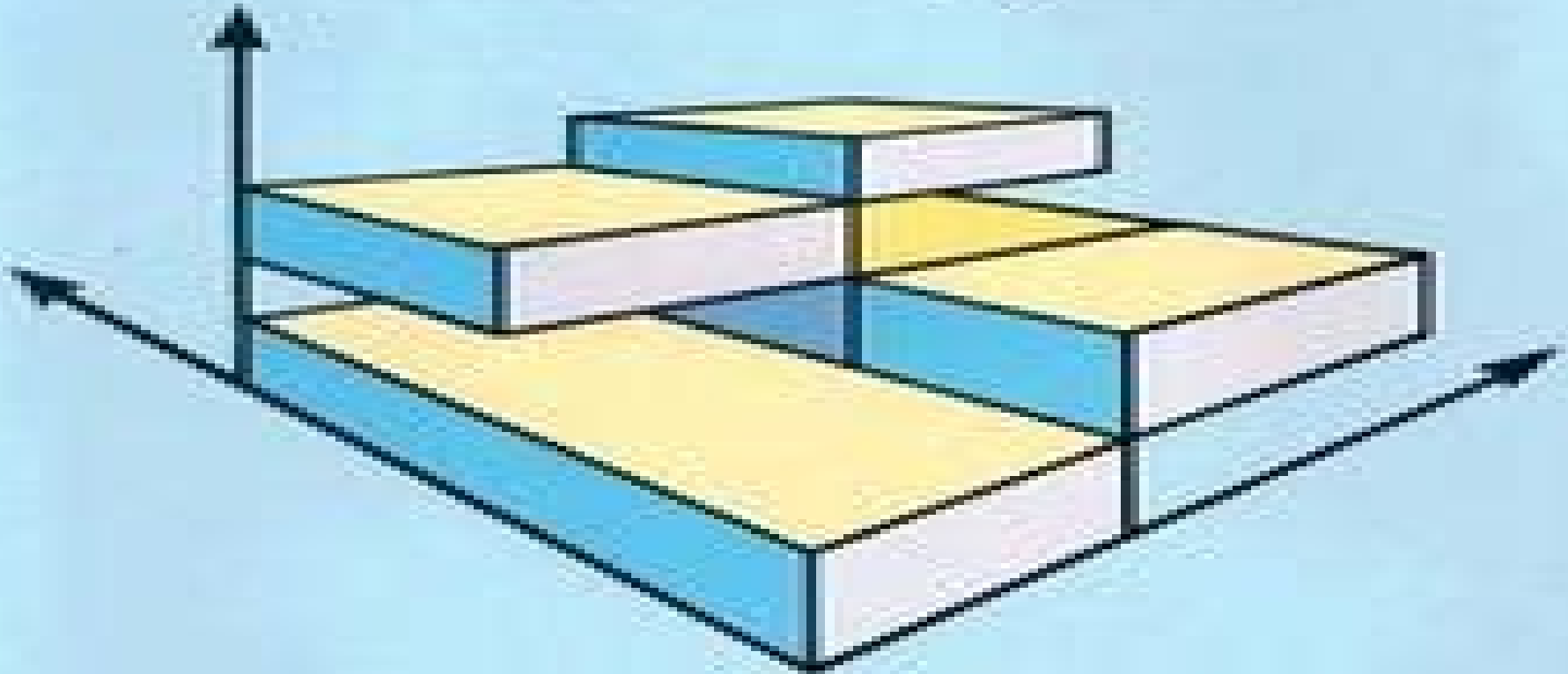


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Axiomatic Set Theory Patrick Suppes, 2012-05-04 Geared toward upper level undergraduates and graduate students this treatment examines the basic paradoxes and history of set theory and advanced topics such as relations and functions equipollence more 1960 edition

Character Theory of Finite Groups I. Martin Isaacs, 1994-01-01 The book is a pleasure to read There is no question but that it will become and deserves to be a widely used textbook and reference Bulletin of the American Mathematical Society Character theory provides a powerful tool for proving theorems about finite groups In addition to dealing with techniques for applying characters to pure group theory a large part of this book is devoted to the properties of the characters themselves and how these properties reflect and are reflected in the structure of the group Chapter I consists of ring theoretic preliminaries Chapters 2 to 6 and 8 contain the basic material of character theory while Chapter 7 treats an important technique for the application of characters to group theory Chapter 9 considers irreducible representations over arbitrary fields leading to a focus on subfields of the complex numbers in Chapter 10 In Chapter 15 the author introduces Brauer's theory of blocks and modular characters Remaining chapters deal with more specialized topics such as the connections between the set of degrees of the irreducible characters and structure of a group Following each chapter is a selection of carefully thought out problems including exercises examples further results and extensions and variations of theorems in the text Prerequisites for this book are some basic finite group theory the Sylow theorems elementary properties of permutation groups and solvable and nilpotent groups Also useful would be some familiarity with rings and Galois theory In short the contents of a first year graduate algebra course should be

sufficient preparation **An Introduction to Linear Programming and the Theory of Games** Abraham M. Glicksman,2001-01-01 Simple exposition of linear programming and matrix games covers convex sets in the Cartesian plane and the fundamental extreme point theorem for convex polygons the simplex method in linear programming the fundamental duality theorem and its corollary von Neumann s minimax theorem more Easily understood problems and illustrative exercises 1963 edition **Riemann's Zeta Function** Harold M. Edwards,2001-01-01 Superb high level study of one of the most influential classics in mathematics examines landmark 1859 publication entitled On the Number of Primes Less Than a Given Magnitude and traces developments in theory inspired by it Topics include Riemann s main formula the prime number theorem the Riemann Siegel formula large scale computations Fourier analysis and other related topics English translation of Riemann s original document appears in the Appendix *Elements of Abstract Algebra* Allan Clark,2012-07-06 Lucid coverage of the major theories of abstract algebra with helpful illustrations and exercises included throughout Unabridged corrected republication of the work originally published 1971 Bibliography Index Includes 24 tables and figures

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