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Nota di contenuto	<p>Intro -- Preface -- Why This Book? -- Audience -- The Historical Context -- In Closing: Gelfand's Teaching Legacy -- Acknowledgment -- Contents -- 0 Preliminaries: Sets, Relations, Maps -- 0.1 Sets -- Exercises -- 0.2 Relations -- Exercise -- 0.3 Maps and Real Functions -- Exercises -- 0.4 Cardinality -- Exercises -- 0.5 The Zermelo-Fraenkel Axiomatic Set Theory* -- Exercise -- 1 Natural, Integral, and Rational Numbers -- 1.1 Natural Numbers -- Exercises -- 1.2 Integers -- Exercises -- 1.3 The Division Algorithm for Integers -- Exercises -- 1.4 Rational Numbers -- Exercises -- 2 Real Numbers -- 2.1 Real Numbers via Dedekind Cuts -- Exercises -- 2.2 Infinite Decimals as Real Numbers -- Exercises -- 2.3 Real Numbers via Cauchy Sequences -- Exercises -- 2.4 Dirichlet Approximation and Equidistribution* -- Exercises -- 3 Rational and Real Exponentiation -- 3.1 Arithmetic Properties of the Limit -- Exercises -- 3.2 Roots, Rational and Real Exponents -- Exercises -- 3.3 Logarithms -- Exercises -- 3.4 The Stolz-Cesàro Theorems -- Exercises -- 4 Limits of Real Functions -- 4.1 Limit Inferior and Limit Superior -- Exercise -- 4.2 Continuity -- Exercise -- 4.3 Differentiability -- Exercises -- 5 Real Analytic Plane Geometry -- 5.1 The Birkhoff Metric Geometry -- Exercise -- 5.2 The Cartesian Model of the Birkhoff Plane -- Exercises -- 5.3 The Cartesian Distance -- Exercise -- 5.4 The Triangle Inequality -- Exercise -- 5.5</p>

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