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Nota di contenuto	1. Naïve set theory -- 2. Ordinal numbers -- 3. Logic -- 4. First-order logic -- 5. Model theory -- 6. Axiomatic set theory -- 7. Categories -- 8. Where to from here? -- Solutions to selected exercises -- References.
Sommario/riassunto	Set theory, logic and category theory lie at the foundations of mathematics, and have a dramatic effect on the mathematics that we do, through the Axiom of Choice, Gödel's Theorem, and the Skolem Paradox. But they are also rich mathematical theories in their own right, contributing techniques and results to working mathematicians such as the Compactness Theorem and module categories. The book is aimed at those who know some mathematics and want to know more about its building blocks. Set theory is first treated naively an axiomatic treatment is given after the basics of first-order logic have been introduced. The discussion is supported by a wide range of exercises.

The final chapter touches on philosophical issues. The book is supported by a World Wide Web site containing a variety of supplementary material.

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