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    | Autore | Lal Ramji |
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    | ISBN | 981-10-4253-5 |
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    | Disciplina | 512.2 |
    | Soggetti | Group theory |
    | | Associative rings |
    | | Rings (Algebra) |
    | | Nonassociative rings |
    | | Commutative algebra |
    | | Commutative rings |
    | | Algebra |
    | | Field theory (Physics) |
    | | Number theory |
    | | Group Theory and Generalizations |
    | | Associative Rings and Algebras |
    | | Non-associative Rings and Algebras |
    | | Commutative Rings and Algebras |
    | | Field Theory and Polynomials |
    | | Number Theory |
    | Lingua di pubblicazione | Inglese |
    | Formato | Materiale a stampa |
    | Livello bibliografico | Monografia |
    | Note generali | Includes index. |
    | Nota di contenuto | Chapter 1. Language of mathematics 1 (Logic) -- Chapter 2. Language Of Mathematics 2 (Set Theory) -- Chapter 3. Number System -- Chapter 4. Group Theory -- Chapter 5. Fundamental Theorems -- Chapter 6. Permutation groups and Classical Groups -- Chapter 7. Elementary Theory of Rings and Fields -- Chapter 8. Number Theory 2 -- Chapter 9. Structure theory of groups -- Chapter 10. Structure theory continued -- Chapter 11. Arithmetic in Rings. |

Sommario/riassunto

This is the first in a series of three volumes dealing with important topics in algebra. It offers an introduction to the foundations of mathematics together with the fundamental algebraic structures, namely groups, rings, fields, and arithmetic. Intended as a text for undergraduate and graduate students of mathematics, it discusses all major topics in algebra with numerous motivating illustrations and exercises to enable readers to acquire a good understanding of the basic algebraic structures, which they can then use to find the exact or the most realistic solutions to their problems.