A Mathematical Introduction to Logic, Second Edition

By Herbert B. Enderton

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A Mathematical Introduction to Logic, Second Edition, offers increased flexibility with topic coverage, allowing for choice in how to utilize the textbook in a course. The author has made this edition more accessible to better meet the needs of today's undergraduate mathematics and philosophy students. It is intended for the reader who has not studied logic previously, but who has some experience in mathematical reasoning. Material is presented on computer science issues such as computational complexity and database queries, with additional coverage of introductory material such as sets.

* Increased flexibility of the text, allowing instructors more choice in how they use the textbook in courses.
* Reduced mathematical rigour to fit the needs of undergraduate students

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Review
Reasons for This Book's Success
"Rigor, integrity and coherence of overall purpose, introducing students to the practice of logic . . ."
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From the Back Cover
About this book
An accessible, flexible introduction to the subject of mathematical logic, the second edition of this popular and widely-adopted text has been revised to be appropriate for courses enrolling either advanced undergraduates or graduate students.
Like the First Edition, this book is an introduction to the concepts of proof, truth, and computability. This Second Edition has additional examples and explanations to help the reader. Footnotes indicate optional paths through the material that the user might wish to take. Topics relevant to computer science, such as finite models, are also now included.
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