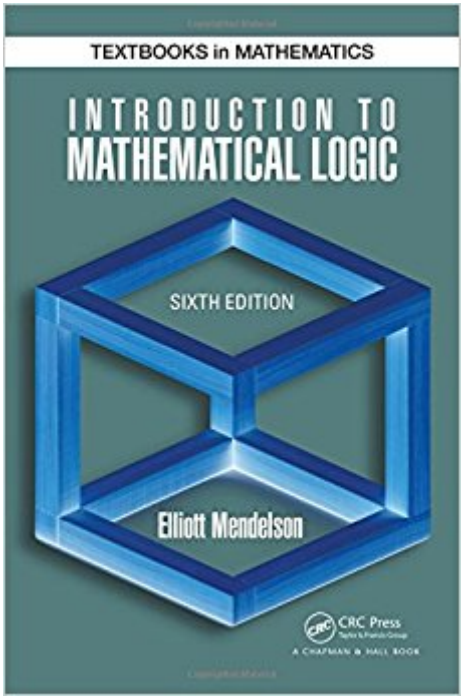
Ebook Directory
the best source of ebook

The book was found

Introduction To Mathematical Logic, Sixth Edition (Discrete Mathematics And Its Applications)



PDF
Adobe
DOWNLOAD EBOOK

Synopsis

The new edition of this classic textbook, Introduction to Mathematical Logic, Sixth Edition explores the principal topics of mathematical logic. It covers propositional logic, first-order logic, first-order number theory, axiomatic set theory, and the theory of computability. The text also discusses the major results of GÃƒÂ¶del, Church, Kleene, Rosser, and Turing. The sixth edition incorporates recent work on GÃƒÂ¶delÃ¢â ¬â„¢s second incompleteness theorem as well as restoring an appendix on consistency proofs for first-order arithmetic. This appendix last appeared in the first edition. It is offered in the new edition for historical considerations. The text also offers historical perspectives and many new exercises of varying difficulty, which motivate and lead students to an in-depth, practical understanding of the material.

Book Information

Series: Discrete Mathematics and Its Applications

Hardcover: 513 pages

Publisher: Chapman and Hall/CRC; 6 edition (June 8, 2015)

Language: English

ISBN-10: 1482237725

ISBN-13: 978-1482237726

Product Dimensions: 6.1 x 1.1 x 9.3 inches

Shipping Weight: 2 pounds (View shipping rates and policies)

Average Customer Review: 2.3 out of 5 stars 4 customer reviews

Best Sellers Rank: #626,639 in Books (See Top 100 in Books) #65 inÃ Â Books > Science & Math > Mathematics > Pure Mathematics > Set Theory #310 inÃ Â Books > Science & Math > Mathematics > Pure Mathematics > Logic #7237 inÃ Â Books > Textbooks > Science & Mathematics > Mathematics

Customer Reviews

Praise for the Fifth Edition"Since it first appeared in 1964, MendelsonÃ¢â ¬â„¢s book has been recognized as an excellent textbook in the field. It is one of the most frequently mentioned texts in references and recommended reading lists Ã¢â ¬Â¦ This book rightfully belongs in the small, elite set of superb books that every computer science graduate, graduate student, scientist, and teacher should be familiar with."Ã¢â ¬â ¢Computing Reviews, May 2010 "The following are the significant changes in this edition: A new section (3.7) on the order type of a countable nonstandard model of arithmetic; a second appendix, Appendix B, on basic modal logic, in particular on the normal modal

logics K, T, S4, and S5 and the relevant Kripke semantics for each; an expanded bibliography and additions to both the exercises and to the Answers to Selected Exercises, including corrections to the previous version of the latter."Ã¢â ¬â ¢J.M. Plotkin, Zentralblatt MATH 1173 "Since its first edition, this fine book has been a text of choice for a beginnerÃ¢â ¬â„¢s course on mathematical logic. Ã¢â ¬Â¦ There are many fine books on mathematical logic, but MendelsonÃ¢â ¬â„¢s textbook remains a sure choice for a first course for its clear explanations and organization: definitions, examples and results fit together in a harmonic way, making the book a pleasure to read. The book is especially suitable for self-study, with a wealth of exercises to test the readerÃ¢â ¬â„¢s understanding."Ã¢â ¬â ¢MAA Reviews, December 2009

Elliott Mendelson is professor emeritus at Queens College in Flushing, New York, USA. Dr. Mendelson obtained his bachelor’s degree at Columbia University and his master’s and doctoral degrees at Cornell University, and was elected afterward to the Harvard Society of Fellows. In addition to his other writings, he is the author of another CRC Press book Introducing Game Theory and Its Applications.

An excellent book in every way! I heartily recommend it for its clear coverage of main topics and its breadth!

I don’t like this book. Here are the reasons:1) How could the subscript font still be so unreadable - this is the 6th edition. The"i" and "j" subscripts are nearly impossible to decipher.2) The material in this book in dense and each page requires several re-reads to gain a clear understanding. This is true in most advanced Mathematics, but it seems unnecessarily complicated. A much clearer book is Hamilton’s "Logic for Mathematicians".https://www..com/Logic-Mathematicians-G-Hamilton/dp/05213686503) The book has plenty of problems, and provides some complete answers in the back of the book. But, it doesn’t have enough examples, which makes it difficult to decide how to even begin some problems.4) The book doesn’t do a good job of introducing major sections, i.e. providing the reasons and motivation for the next section. Hamilton is much better in this regard.You’re probably stuck with this book because, like me, it is required for a course. It’s apparently the gold standard. Another source may or may not help. For example, there are different approaches and terminology between this book and Hamilton.

This edition has some publication annoyances, not the content. First, script fonts are unreadable with faint letters, and it should not be allowed in this high price book. Second, headers are written as "Introduction to Mathematical Logic" in all even pages of the book, so it's useless to catch which section I am reading. Third, the "Appendix C" uses logic symbols of the first edition, so it's inconsistent to the notations given in the main body.

This book certainly has breadth. It's ok as a reference book, but it's very poor as an introductory text. The guy who gave it 5 stars obviously knew the material before he read it here. A far better introduction is "A Profile of Mathematical Logic" by the philosopher Howard Delong.

Download to continue reading...

Introduction to Mathematical Logic, Sixth Edition (Discrete Mathematics and Its Applications) Introduction to Mathematical Logic, Fourth Edition (Discrete Mathematics and Its Applications) CRC Standard Mathematical Tables and Formulae, 29th Edition (Discrete Mathematics and Its Applications) The Wonders of the Colorado Desert (Southern California), Vol. 1 of 2: Its Rivers and Its Mountains, Its Canyons and Its Springs, Its Life and Its ... Journey Made Down the Overflow of the Colo Cryptography: Theory and Practice, Third Edition (Discrete Mathematics and Its Applications) Discrete Mathematics and Its Applications Seventh Edition (Higher Math) Student's Solutions Guide to Accompany Discrete Mathematics and Its Applications, 7th Edition Discrete Mathematics and Applications, Second Edition (Textbooks in Mathematics) Discrete Mathematics: Introduction to Mathematical Reasoning Discrete Mathematics and Its Applications (Higher Math) Discrete Mathematics and Its Applications Discrete Mathematical Structures (Classic Version) (6th Edition) (Pearson Modern Classics for Advanced Mathematics Series) Discrete Mathematics: Mathematical Reasoning and Proof with Puzzles, Patterns, and Games Discrete Mathematics, Student Solutions Manual: Mathematical Reasoning and Proof with Puzzles, Patterns, and Games An Introduction to Mathematical Logic (Dover Books on Mathematics) Mathematical Approaches to Biomolecular Structure and Dynamics (The IMA Volumes in Mathematics and its Applications) Discrete and Combinatorial Mathematics (Classic Version) (5th Edition) (Pearson Modern Classics for Advanced Mathematics Series) Discrete Mathematics with Graph Theory (Classic Version) (3rd Edition) (Pearson Modern Classics for Advanced Mathematics Series) Advanced Mathematics: Precalculus With Discrete Mathematics and Data Analysis Discrete Mathematics: Elementary and Beyond (Undergraduate Texts in Mathematics)

Contact Us

DMCA

Privacy

FAQ & Help