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# A Concise Introduction To Logic 10th Edition

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introduction to this  
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second edition) of  
his logic text, Heil  
clarifies his aim in  
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revising this book:  
'I believe that  
anyone unfamiliar

with the subject  
who set out to  
learn formal logic  
could do so relying  
solely on [this]  
book. That, in any  
case, is what I set  
out to create in  
writing An  
Introduction to  
First-Order Logic.'  
Heil has certainly  
accomplished this  
with perhaps the  
most explanatorily  
thorough and  
pedagogically rich  
text I've  
personally come  
across. "Heil's text  
stands out as  
being remarkably  
careful in its  
presentation and  
illuminating in its e  
xplanations—espe  
cially given its  
relatively short  
length when  
compared to the

average logic  
textbook. It hits all  
of the necessary  
material that must  
be covered in an  
introductory  
deductive logic  
course, and then  
some. It also takes  
occasional  
excursions into  
side topics,  
successfully  
whetting the  
reader's appetite  
for more advanced  
studies in logic.  
"The book is  
clearly written by  
an expert who has  
put in the effort for  
his readers,  
bothering at every  
step to see the  
point and then  
explain it clearly to  
his readers. Heil  
has found some  
very clever,  
original ways to

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introduce, motivate, and otherwise teach this material. The author's own special expertise and perspective—specially when it comes to tying philosophy of mind, linguistics, and philosophy of language into the lessons of logic—make for a creative and fresh take on basic logic. With its unique presentation and illuminating explanations, this book comes about as close as a text can come to imitating the learning environment of an actual classroom. Indeed, working

through its presentations carefully, the reader feels as though he or she has just attended an illuminating lecture on the relevant topics!"  
—Jonah Schupbach, University of Utah  
An Introduction to Formal Logic  
Hackett Publishing  
Logic Primer presents a rigorous introduction to natural deduction systems of sentential and first-order logic. Logic Primer presents a rigorous introduction to natural deduction systems of sentential and first-order logic. The text is designed to foster the student-instructor

relationship. The key concepts are laid out in concise definitions and comments, with the expectation that the instructor will elaborate upon them. New to the second edition is the addition of material on the logic of identity in chapters 3 and 4. An innovative interactive Web site, consisting of a "Logic Daemon" and a "Quizmaster," encourages students to formulate their own proofs and links them to appropriate explanations in the book.  
*Concise Introduction to Logic*  
Wadsworth Publishing Company  
Second edition of the

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CRC Press  
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Accessible to all students with a sound background in high school mathematics, A Concise Introduction to Pure Mathematics, Fourth Edition presents some of the most fundamental and beautiful ideas in pure mathematics. It covers not only standard material but also many interesting topics not usually encountered at this level, such as the theory of solving cubic equations;

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well as many examples and applications New material on inequalities, counting methods, the inclusion-exclusion principle, and Euler's phi function Numerous new exercises, with solutions to the odd-numbered ones Through careful explanations and examples, this popular textbook illustrates the power and beauty of basic mathematical concepts in number theory, discrete mathematics, analysis, and abstract algebra.

Written in a rigorous yet accessible style, it continues to provide a robust bridge between high school and higher-level mathematics, enabling students to study more advanced courses in abstract algebra and analysis. A Concise Introduction to Logic Wadsworth Publishing Company Keith Devlin. You know him. You've read his columns in MAA Online, you've heard him on the

radio, and you've seen his popular mathematics books. In between all those activities and his own research, he's been hard at work revising Sets, Functions and Logic, his standard-setting text that has smoothed the road to pure mathematics for legions of undergraduate students. Now in its third edition, Devlin has fully reworked the book to reflect a new generation. The

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narrative is more lively and less textbook-like. Remarks and asides link the topics presented to the real world of students' experience. The chapter on complex numbers and the discussion of formal symbolic logic are gone in favor of more exercises, and a new introductory chapter on the nature of mathematics--one that motivates readers and sets the stage for the

challenges that lie ahead. Students crossing the bridge from calculus to higher mathematics need and deserve all the help they can get. Sets, Functions, and Logic, Third Edition is an affordable little book that all of your transition-course students not only can afford, but will actually read...and enjoy...and learn from. About the Author Dr. Keith Devlin is

Executive Director of Stanford University's Center for the Study of Language and Information and a Consulting Professor of Mathematics at Stanford. He has written 23 books, one interactive book on CD-ROM, and over 70 published research articles. He is a Fellow of the American Association for the Advancement of Science, a World Economic

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Forum Fellow, and a former member of the Mathematical Sciences Education Board of the National Academy of Sciences,. Dr. Devlin is also one of the world's leading popularizers of mathematics. Known as "The Math Guy" on NPR's Weekend Edition, he is a frequent contributor to other local and national radio and TV shows in the US and Britain, writes a monthly

column for the Web journal MAA Online, and regularly writes on mathematics and computers for the British newspaper The Guardian. Open SUNY Textbooks Unsurpassed for its clarity and comprehensiveness, A CONCISE INTRODUCTION TO LOGIC is the #1 introductory logic textbook on the market. In this 13th Edition, Patrick Hurley and new co-author Lori Watson

continue to build upon the tradition of a lucid, focused, and accessible presentation of the basic subject matter of both informal and formal logic. How Logical Are You? features connect a section's content to real-life scenarios pertinent to students' lives, using everyday examples to translate new notions and terms into concepts to which readers unfamiliar with the subject



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matter can relate. Living Logic, a new digital activity, allows students to apply the skills they learn to a real-world problem. The text's extensive, carefully sequenced exercises guide students toward greater proficiency with the skills they are learning. Important Notice: Media content referenced within the product description or the product

text may not be available in the ebook version. Logic A Concise Introduction to Logic This book introduces multiagent planning under uncertainty as formalized by decentralized partially observable Markov decision processes (Dec-POMDPs). The intended audience is researchers and graduate students working in the fields of artificial intelligence related to sequential decision making:

reinforcement learning, decision-theoretic planning for single agents, classical multiagent planning, decentralized control, and operations research. A Concise Introduction to Logic Cram101 While there are already several well known textbooks on mathematical logic this book is unique in treating the material in a concise and streamlined fashion. This allows many

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important topics to be covered in a one semester course. Although the book is intended for use as a graduate text the first three chapters can be understood by undergraduates interested in mathematical logic. The remaining chapters contain material on logic programming for computer scientists, model theory, recursion theory, Godel's incompleteness theorems, and applications of mathematical logic. Philosophical and foundational problems of mathematics are discussed throughout the text. Giving Reasons  
Springer Nature  
NOT SOLD SEPARATELY.  
Informal Logic  
Springer  
Science & Business Media  
This book deals with two important branches of mathematics, namely, logic and set theory. Logic and set theory are closely related and play very crucial roles in the foundation of mathematics, and together produce several results in all of mathematics. The topics of logic and set theory are required in many areas of physical sciences, engineering, and technology. The book offers solved examples and exercises, and provides reasonable

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details to each topic discussed, for easy understanding. The book is designed for readers from various disciplines where mathematical logic and set theory play a crucial role. The book will be of interested to students and instructors in engineering, mathematics, computer science, and technology. Critical Thinking CRC Press Never HIGHLIGHT a Book Again!

Includes all testable terms, concepts, persons, places, and events. Cram101 Just the FACTS101 studyguides gives all of the outlines, highlights, and quizzes for your textbook with optional online comprehensive practice tests. Only Cram101 is Textbook Specific. Accompanies: 9780840034175. This item is printed on demand. A Concise Introduction to Logic MIT Press Introduction to Logic combines likely the broadest scope of any logic textbook available with

clear, concise writing and interesting examples and arguments. Its key features, all retained in the Second Edition, include: • simpler ways to test arguments than those available in competing textbooks, including the star test for syllogisms • a wide scope of materials, making it suitable for introductory logic courses (as the primary text) or intermediate classes (as the primary or supplementary book) • engaging and easy-to-understand examples and arguments, drawn

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CONCISE INTRODUCTION TO LOGIC has established itself as the standard for introductory logic classes. Hailed in the first eight editions for an unwavering commitment to lucid, focused, reader-friendly presentations of logic's basic topics, the latest edition also continues to expand upon Hurley's tradition of technological excellence with the introduction of vMentor and iLrn Logic. These two technologies help you manage the workload of teaching logic by providing your students with a live, online logic tutoring service

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and you with an online system that automates homework and test grading. In addition, Hurley's outstanding LEARNING LOGIC?an interactive, audio-visual recasting of the entire text?remains a free supplement with each copy of the text. Rounded out with a Book Companion Website that features student quizzing and interactive tutorials on Venn diagrams and truth tables, Hurley's A CONCISE INTRODUCTION TO LOGIC, Ninth Edition is not only the most logically sound choice that a professor could

make for his or her logic course, but the most "technologically" sound choice as well. A Concise Introduction to Logic Psychology Press Provides an essential introduction to classical logic. A Concise Introduction to Mathematical Logic Cambridge University Press This book offers a concise introduction to both proof-theory and algebraic methods, the core of the syntactic and semantic study

of logic respectively. The importance of combining these two has been increasingly recognized in recent years. It highlights the contrasts between the deep, concrete results using the former and the general, abstract ones using the latter. Covering modal logics, many-valued logics, superintuitionistic and substructural logics, together with their algebraic semantics, the book also provides an introduction to

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undergraduate Part II focuses on algebraic semantics for these logics. At the same time, it is a gentle introduction to the basics of algebraic logic and universal algebra with many examples of their applications in logic. Part II can be read independently of Part I, with only minimum knowledge required, and as such is suitable as a textbook for short introductory courses on algebra in logic. A Concise

or graduate level on algebraic semantics for these logics. At the same time, it is a gentle introduction to the basics of algebraic logic and universal algebra with many examples of their applications in logic. Part II can be read independently of Part I, with only minimum knowledge required, and as such is suitable as a textbook for short introductory courses on algebra in logic. A Concise

courses. The book is divided into two parts: Proof Theory in Part I and Algebra in Logic in Part II. Part I presents sequent systems and discusses cut elimination and its applications in detail. It also provides simplified proof of cut elimination, making the topic more accessible. The last chapter of Part I is devoted to clarification of the classes of logics that are

A handy reference, this four-page course card includes rules and argument forms students need in order to complete exercises.