Introduction to Mathematical Logic: Set Theory Computable Functions Model Theory (Undergraduate Texts in Mathematics)

By Jerome Malitz

Introduction to Mathematical Logic: Set Theory Computable Functions Model Theory (Undergraduate Texts in Mathematics) By Jerome Malitz

This book is intended as an undergraduate senior level or beginning graduate level text for mathematical logic. There are virtually no prere quisites, although a familiarity with notions encountered in a beginning course in abstract algebra such as groups, rings, and fields will be useful in providing some motivation for the topics in Part III. An attempt has been made to develop the beginning of each part slowly and then to gradually quicken the pace and the complexity of the material. Each part ends with a brief introduction to selected topics of current interest. The text is divided into three parts: one dealing with set theory, another with computable function theory, and the last with model theory. Part III relies heavily on the notation, concepts and results discussed in Part I and to some extent on Part II. Parts I and II are independent of each other, and each provides enough material for a one semester course. The exercises cover a wide range of difficulty with an emphasis on more routine problems in the earlier sections of each part in order to familiarize the reader with the new notions and methods. The more difficult exercises are accompanied by hints. In some cases significant theorems are devel oped step by step with hints in the problems. Such theorems are not used later in the sequence.

Introduction to Mathematical Logic: Set Theory Computable Functions Model Theory (Undergraduate Texts in Mathematics)

By Jerome Malitz

Introduction to Mathematical Logic: Set Theory Computable Functions Model Theory (Undergraduate Texts in Mathematics) By Jerome Malitz

This book is intended as an undergraduate senior level or beginning graduate level text for mathematical logic. There are virtually no prere quisites, although a familiarity with notions encountered in a beginning course in abstract algebra such as groups, rings, and fields will be useful in providing some motivation for the topics in Part III. An attempt has been made to develop the beginning of each part slowly and then to gradually quicken the pace and the complexity of the material. Each part ends with a brief introduction to selected topics of current interest. The text is divided into three parts: one dealing with set theory, another with computable function theory, and the last with model theory. Part III relies heavily on the notation, concepts and results discussed in Part I and to some extent on Part II. Parts I and II are independent of each other, and each provides enough material for a one semester course. The exercises cover a wide range of difficulty with an emphasis on more routine problems in the earlier sections of each part in order to familiarize the reader with the new notions and methods. The more difficult exercises are accompanied by hints. In some cases significant theorems are devel oped step by step with hints in the problems. Such theorems are not used later in the sequence.

Introduction to Mathematical Logic: Set Theory Computable Functions Model Theory (Undergraduate Texts in Mathematics) By Jerome Malitz Bibliography

- Rank: #3642341 in Books
- Published on: 1987-03-16
- Original language: English
- Number of items: 1
- Dimensions: 9.75" h x 6.50" w x .75" l, .0 pounds
- Binding: Hardcover
- 198 pages

Download and Read Free Online Introduction to Mathematical Logic: Set Theory Computable Functions Model Theory (Undergraduate Texts in Mathematics) By Jerome Malitz

Editorial Review

Users Review

From reader reviews:

Irving Hansen:

In this 21st century, people become competitive in every single way. By being competitive now, people have do something to make these individuals survives, being in the middle of typically the crowded place and notice by surrounding. One thing that at times many people have underestimated it for a while is reading. Yep, by reading a book your ability to survive raise then having chance to stand than other is high. In your case who want to start reading a book, we give you this Introduction to Mathematical Logic: Set Theory Computable Functions Model Theory (Undergraduate Texts in Mathematics) book as beginning and daily reading publication. Why, because this book is greater than just a book.

Lee Flynn:

Here thing why this specific Introduction to Mathematical Logic: Set Theory Computable Functions Model Theory (Undergraduate Texts in Mathematics) are different and trusted to be yours. First of all reading a book is good nonetheless it depends in the content of computer which is the content is as tasty as food or not. Introduction to Mathematical Logic: Set Theory Computable Functions Model Theory (Undergraduate Texts in Mathematics) giving you information deeper and different ways, you can find any book out there but there is no book that similar with Introduction to Mathematical Logic: Set Theory Computable Functions Model Theory (Undergraduate Texts in Mathematics). It gives you thrill looking at journey, its open up your own eyes about the thing that happened in the world which is possibly can be happened around you. You can easily bring everywhere like in park your car, café, or even in your method home by train. Should you be having difficulties in bringing the printed book maybe the form of Introduction to Mathematical Logic: Set Theory Computable Functions Model Theory (Undergraduate Texts in Mathematics) in e-book can be your alternative.

Jennifer McMorris:

Reading can called thoughts hangout, why? Because while you are reading a book particularly book entitled Introduction to Mathematical Logic: Set Theory Computable Functions Model Theory (Undergraduate Texts in Mathematics) your brain will drift away trough every dimension, wandering in every aspect that maybe not known for but surely will become your mind friends. Imaging every single word written in a book then become one form conclusion and explanation that maybe you never get previous to. The Introduction to Mathematical Logic: Set Theory Computable Functions Model Theory (Undergraduate Texts in Mathematics) giving you yet another experience more than blown away your brain but also giving you useful data for your better life within this era. So now let us explain to you the relaxing pattern here is your body and mind will probably be pleased when you are finished examining it, like winning a. Do you want to try this extraordinary shelling out spare time activity?

Alejandro Jones:

Don't be worry if you are afraid that this book will certainly filled the space in your house, you might have it in e-book technique, more simple and reachable. This particular Introduction to Mathematical Logic: Set Theory Computable Functions Model Theory (Undergraduate Texts in Mathematics) can give you a lot of good friends because by you looking at this one book you have factor that they don't and make a person more like an interesting person. This specific book can be one of one step for you to get success. This e-book offer you information that might be your friend doesn't realize, by knowing more than additional make you to be great individuals. So , why hesitate? Let's have Introduction to Mathematical Logic: Set Theory Computable Functions Model Theory (Undergraduate Texts in Mathematics).

Download and Read Online Introduction to Mathematical Logic: Set Theory Computable Functions Model Theory (Undergraduate Texts in Mathematics) By Jerome Malitz #37ZEPMNK0L2

Read Introduction to Mathematical Logic: Set Theory Computable Functions Model Theory (Undergraduate Texts in Mathematics) By Jerome Malitz for online ebook

Introduction to Mathematical Logic: Set Theory Computable Functions Model Theory (Undergraduate Texts in Mathematics) By Jerome Malitz Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Introduction to Mathematical Logic: Set Theory Computable Functions Model Theory (Undergraduate Texts in Mathematics) By Jerome Malitz books to read online.

Online Introduction to Mathematical Logic: Set Theory Computable Functions Model Theory (Undergraduate Texts in Mathematics) By Jerome Malitz ebook PDF download

Introduction to Mathematical Logic: Set Theory Computable Functions Model Theory (Undergraduate Texts in Mathematics) By Jerome Malitz Doc

Introduction to Mathematical Logic: Set Theory Computable Functions Model Theory (Undergraduate Texts in Mathematics) By Jerome Malitz Mobipocket

Introduction to Mathematical Logic: Set Theory Computable Functions Model Theory (Undergraduate Texts in Mathematics) By Jerome Malitz EPub

37ZEPMNK0L2: Introduction to Mathematical Logic: Set Theory Computable Functions Model Theory (Undergraduate Texts in Mathematics) By Jerome Malitz