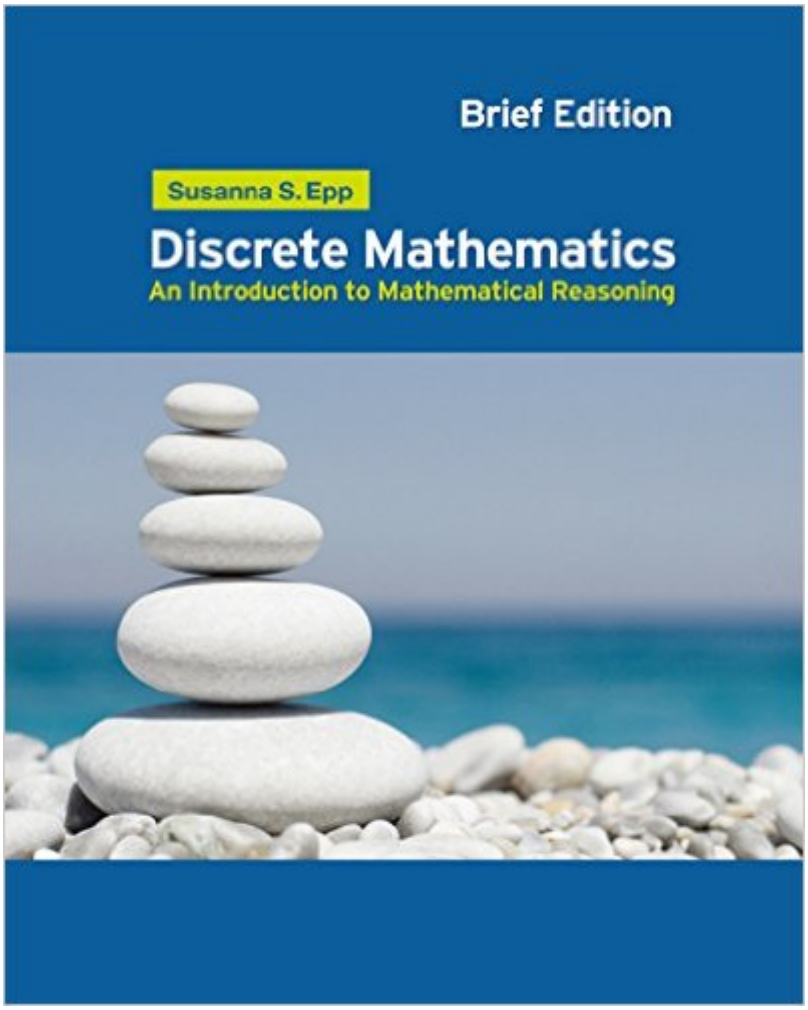
Discrete Mathematics: Introduction To Mathematical Reasoning



Synopsis

Susanna Epp's DISCRETE MATHEMATICS: AN INTRODUCTION TO MATHEMATICAL REASONING, provides the same clear introduction to discrete mathematics and mathematical reasoning as her highly acclaimed DISCRETE MATHEMATICS WITH APPLICATIONS, but in a compact form that focuses on core topics and omits certain applications usually taught in other courses. The book is appropriate for use in a discrete mathematics course that emphasizes essential topics or in a mathematics major or minor course that serves as a transition to abstract mathematical thinking. The ideas of discrete mathematics underlie and are essential to the science and technology of the computer age. This book offers a synergistic union of the major themes of discrete mathematics together with the reasoning that underlies mathematical thought. Renowned for her lucid, accessible prose, Epp explains complex, abstract concepts with clarity and precision, helping students develop the ability to think abstractly as they study each topic. In doing so, the book provides students with a strong foundation both for computer science and for other upper-level mathematics courses.Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Book Information

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Customer Reviews

To start, I'm a sophmore engineering student who is in the middle of a discrete mathematics class using this book. To me, a textbook must be readable but at the same time be written on a level that ensures that the content is communicated effectively. For me, this book has accomplished that.Susan Epp's Discrete Mathematics is very readable and straightforward with its presentation of the material, giving the reader a good view into the topics being presented. There are also a decent number of fully worked through and relevant examples along with a plethora of exercises in each section. Selected exercises do have answers in the back of the book, so you can check your work and ensure that you are doing things correctly. There are even fully written out answers for a good number of the many exercises involving proofs.That is another thing, discrete mathematics involves less computations and more logical, written proofs, something that I had no prior experience with before taking this class. Since starting though, I have been able to pick things up without any undue difficulty (not saying its easy!), but this book has really helped me take the concepts being taught in lecture and simultaneously expand on and cement them outside the classroom. This is a textbook that you can actually read and really gain some value from, so I would highly recommend it (or if your professor is using it for your class, know that you are using a superb book).

This is indeed a brief edition compared to the 4th edition. Some things are cut out from the 4th edition to quickly get the main point across to the reader. This book was very useful in getting ideas past to the reader. As a person with no real interest or experience with proofs before using this book, this book has taught me much about proof writing. The example proofs in the book are written in a way so that every step is clearly written out so that the reader should not have any room to insert doubts. An excellent version for students trying to quickly understand number theory, sets, and logic as well as proof writing.

Exact book I needed. Even though it says brief edition it was still the correct book. My professor said that there are no difference between the brief and normal edition.

Topics are introduced only briefly then brought up again several chapters later when you've forgotten what you learned. Everything else is either not explained enough or so over explained in mathematical jargon that the actual meaning is lost. 8 chapters in and no idea what I've actually learned so far.

Well written and clear with logical steps to solving problems, even the harder problems have a logic

to them and the text will help you figure them out .

I didn't think it did a good job of explaining. Some of the exercises you don't know unless you look at how the answers in the back of the book.

This is probably one of my favorite textbooks. The material goes well into detail and there are many examples.

Book is new, in perfect condition and is exactly what I needed for my college class.