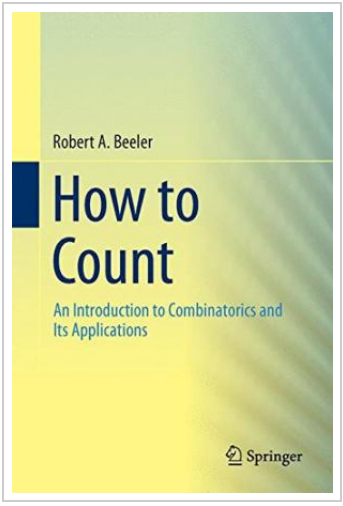

How to Count: An Introduction to Combinatorics and its Applications

By Robert A. Beeler

Springer International Publishing AG. Hardback. Condition: new. BRAND NEW, How to Count: An Introduction to Combinatorics and its Applications, Robert A. Beeler, Providing a self-contained resource for upper undergraduate courses in combinatorics, this text emphasizes computation, problem solving, and proof technique. In particular, the book places special emphasis the Principle of Inclusion and Exclusion and the Multiplication Principle. To this end, exercise sets are included at the end of every section, ranging from simple computations (evaluate a formula for a given set of values) to more advanced proofs. The exercises are designed to test students' understanding of new material, while reinforcing a working mastery of the key concepts previously developed in the book. Intuitive descriptions for many abstract techniques are included. Students often struggle with certain topics, such as generating functions, and this intuitive approach to the problem is helpful in their understanding. When possible, the book introduces concepts using combinatorial methods (as opposed to induction or algebra) to prove identities. Students are also asked to prove identities using combinatorial methods as part of their exercises. These methods have several advantages over induction or algebra.

Reviews

This book will never be easy to start on looking at but quite entertaining to read. It is actually packed with wisdom and knowledge It is extremely difficult to leave it before concluding, once you begin to read the book.

-- ***Ms. Missouri Satterfield DVM***

A high quality ebook as well as the typeface employed was exciting to read. It is actually loaded with wisdom and knowledge You wont sense monotony at at any moment of the time (that's what catalogues are for concerning when you request me).

-- ***Declan Wiegand***