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Nota di contenuto	Front cover; Table of Contents; Preface to the Second Edition; Acknowledgments; Authors; Chapter 1. What's It All About?; Chapter 2. Permutations and Combinations; Chapter 3. Occupancy Problems; Chapter 4. The Inclusion-Exclusion Principle; Chapter 5. Stirling and Catalan Numbers; Chapter 6. Partitions and Dot Diagrams; Chapter 7. Generating Functions and Recurrence Relations; Chapter 8. Partitions and Generating Functions; Chapter 9. Introduction to Graphs; Chapter 10. Trees; Chapter 11. Groups of Permutations; Chapter 12. Group Actions; Chapter 13. Counting Patterns Chapter 14. Polya CountingChapter 15. Dirichlet's PigeonholePrinciple; Chapter 16. Ramsey Theory; Chapter 17. Rook Polynomials and Matchings; Solutions to the A Exercises; Books for Further Reading; Index of Notation; Back cover
Sommario/riassunto	Emphasizes a Problem Solving ApproachA first course in combinatorics Completely revised, How to Count: An Introduction to Combinatorics, Second Edition shows how to solve numerous classic and other interesting combinatorial problems. The authors take an easily accessible approach that introduces problems before leading into the theory involved. Although the authors present most of the topics through concrete problems, they also emphasize the importance of proofs in mathematics.