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   Titolo   Combinatorial methods in discrete distributions [[electronic resource] /]
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   Descrizione fisica   1 online resource (440 p.)

   Collana   Wiley series in probability and statistics

   Disciplina   511.6
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   Soggetti   Combinatorial analysis
                   Distribution (Probability theory)

   Lingua di pubblicazione   Inglese

   Formato   Materiale a stampa

   Livello bibliografico   Monografia

   Note generali   Description based upon print version of record.

   Nota di bibliografia   Includes bibliographical references (p. 383-400) and indexes.

   Nota di contenuto   COMBINATORIAL METHODS IN DISCRETE DISTRIBUTIONS; Contents;
                   Preface; 1 BASIC COMBINATORICS AND PROBABILITY; 1.1 Basic counting
                   principles; 1.2 Recurrence relations; 1.3 Finite differences; 1.4 Discrete
                   probability; 1.5 Inclusion and exclusion principle; 1.6 Distributions and
                   moments of random variables; 1.7 Generating functions; 1.8 Reference
                   notes; 1.9 Exercises and complements; 2 STIRLING NUMBERS; 2.1
                   Introduction; 2.2 Definitions and generating functions; 2.3 Explicit
                   expressions and recurrence relations; 2.4 Generalized factorial
                   coefficients
                   2.5 Enumeration of partitions by subsets and permutations by cycles2.6
                   Reference notes; 2.7 Exercises and complements; 3 GENERALIZED
                   STIRLING AND LAH NUMBERS; 3.1 Introduction; 3.2 Associated Stirling
                   numbers; 3.3 Associated generalized factorial coefficients; 3.4
                   Universal generating functions; 3.5 Generalized Stirling numbers; 3.6
                   Generalized Lah numbers; 3.7 Reference notes; 3.8 Exercises and
                   complements; 4 OCCUPANCY DISTRIBUTIONS; 4.1 Introduction; 4.2 A

Sommario/riassunto	A unique approach illustrating discrete distribution theory through combinatorial methods This book provides a unique approach by presenting combinatorial methods in tandem with discrete distribution theory. This method, particular to discreteness, allows readers to gain a deeper understanding of theory by using applications to solve problems. The author makes extensive use of the reduction approach to conditional distributions of independent random occupancy numbers, and provides excellent studies of occupancy and sequential occupancy distributions, convolutions of truncated discrete distri