

1. Record Nr.	UNINA9910984694303321
Autore	Raviccantiran Vikkiravanti Vi
Titolo	Fundamental Discrete Structures / / by V. Ravichandran, Atul Kumar Razdan
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2025
ISBN	9789819600694 9789819600687
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (1161 pages)
Collana	University Texts in the Mathematical Sciences, , 2731-9326
Altri autori (Persone)	RazdanAtul Kumar
Disciplina	511.1
Soggetti	Discrete mathematics Graph theory Machine theory Algebra, Universal Discrete Mathematics Applications of Discrete Mathematics Graph Theory Formal Languages and Automata Theory General Algebraic Systems Matemàtica discreta Teoria de grafs Teoria de màquines Àlgebra universal Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Mathematical Logic -- Sets and Relations -- Functions -- Methods of Proofs -- Elementary Combinatorics -- Recurrences and Generating Functions -- Graph Theory -- Algebraic Systems -- Posets, Lattices and Boolean Algebras -- Automata Theory and Formal Languages -- Some Further Applications.
Sommario/riassunto	This book serves as a core text in discrete mathematics. It discusses topics such as symbolic logic, enumerative combinatorics, algebraic

structures, graph theory, and related applications to computer science and other allied subjects. The presentation of related concepts is suitable for sophomore, junior, and senior-level undergraduate students. Exercises provided at the end of each chapter are designed to help the reader have an active learning experience throughout the study.
