

1. Record Nr.	UNINA9910299992803321
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Titolo	Integer Programming // by Michele Conforti, Gérard Cornuéjols, Giacomo Zambelli
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2014
ISBN	3-319-11008-X
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (XII, 456 p. 75 illus.)
Collana	Graduate Texts in Mathematics, , 0072-5285 ; ; 271
Disciplina	519.77
Soggetti	Operations research Management science Convex geometry Discrete geometry Algorithms Operations Research, Management Science Convex and Discrete Geometry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Preface -- 1 Getting Started -- 2 Integer Programming Models -- 3 Linear Inequalities and Polyhedra -- 4 Perfect Formulations -- 5 Split and Gomory Inequalities -- 6 Intersection Cuts and Corner Polyhedra -- 7 Valid Inequalities for Structured Integer Programs -- 8 Reformulations and Relaxations -- 9 Enumeration -- 10 Semidefinite Bounds -- Bibliography -- Index.
Sommario/riassunto	This book is an elegant and rigorous presentation of integer programming, exposing the subject's mathematical depth and broad applicability. Special attention is given to the theory behind the algorithms used in state-of-the-art solvers. An abundance of concrete examples and exercises of both theoretical and real-world interest explore the wide range of applications and ramifications of the theory. Each chapter is accompanied by an expertly informed guide to the literature and special topics, rounding out the reader's understanding and serving as a gateway to deeper study. Key topics include: formulations polyhedral theory cutting planes decomposition

enumeration semidefinite relaxations Written by renowned experts in
integer programming and combinatorial optimization, Integer
Programming is destined to become an essential text in the field.
