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ISBN	3-642-40754-4
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (749 p.)
Disciplina	519.72
Soggetti	Matrix theory
	Algebra
	Mathematics
	Economics
	Management science
	Mathematics, general
	Economics general
Lingua di pubblicazione	
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction Geometry of the Feasible Region Simplex Method Duality principle and dual simplex method Implementation of the Simplex Method Sensitivity Analysis and Parametric LP Variants of the Simplex Method Decomposition Method Interior Point Method Integer Linear Programming (ILP) Pivot Rule Dual Pivot Rule Simplex Phase-I Method Dual Simplex Phase-I Method Reduced Simplex Method Improved Reduced Simplex Method D-Reduced Simplex Method Criss-Cross Simplex Method Generalizing Reduced Simplex Method Deficient-Basis Method Dual Deficient- Basis Method Face Method Dual Face Method Pivotal interior- point Method Special Topics Appendix References.
Sommario/riassunto	With emphasis on computation, this book is a real breakthrough in the field of LP. In addition to conventional topics, such as the simplex method, duality, and interior-point methods, all deduced in a fresh and clear manner, it introduces the state of the art by highlighting brand-new and advanced results, including efficient pivot rules, Phase-I

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approaches, reduced simplex methods, deficient-basis methods, face methods, and pivotal interior-point methods. In particular, it covers the determination of the optimal solution set, feasible-point simplex method, decomposition principle for solving large-scale problems, controlled-branch method based on generalized reduced simplex framework for solving integer LP problems.