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	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Introduction to linear programming -- Primal and dual LP problems -- Setting up lp problems -- The transportation and transshipment problems -- Spaces, cones, bases and extreme points -- Solving systems of equations -- Primal simplex algorithm : the price-taking firm -- The dual simplex algorithm -- Linear programming and the lagrangean function -- The artificial variable algorithm -- The artificial constraint algorithm -- The diet problem revisited -- Parametric programming: input demand functions -- Parametric programming: output supply functions -- Dealing with multiple optimal solutions -- Solid waste management -- The choice of techniques in a farm production model -- Cattle ranch management -- The measurement of technical and economic efficiency -- Decentralized economic planning -- Theorems of linear programming.
	Sommario/riassunto	This text covers the basic theory and computation for mathematical modeling in linear programming. It provides a strong background on how to set up mathematical proofs and high-level computation methods, and includes substantial background material and direction. Paris presents an intuitive and novel discussion of what it means to solve a system of equations that is a crucial stepping stone for solving

any linear program. The discussion of the simplex method for solving linear programs gives an economic interpretation to every step of the simplex algorithm. The text combines in a unique and novel way the microeconomics of production with the structure of linear programming to give students and scholars of economics a clear notion of what it means, formulating a model of economic equilibrium and the computation of opportunity cost in the presence of many outputs and inputs.