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Autore	Baker Kenneth R. <1943->
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Nota di contenuto	CONTENTS; Preface; 1. Introduction to Spreadsheet Models for Optimization; 1.1 Elements of a Model; 1.2 Spreadsheet Models; 1.3 A Hierarchy for Analysis; 1.4 Optimization Software; 1.5 Using Solver; Summary; Exercises; References; 2. Linear Programming: Allocation, Covering, and Blending Models; 2.1 Linear Models; 2.1.1 Linear Constraints; 2.1.2 Formulation; 2.1.3 Layout; 2.1.4 Results; 2.2 Allocation Models; 2.2.1 The Product Mix Problem; 2.3 Covering Models; 2.3.1 The Staff-Scheduling Problem; 2.4 Blending Models; 2.5 Modeling Errors in Linear Programming; 2.5.1 Exceptions; 2.5.2 Debugging 2.5.3 LogicSummary; Exercises; Case: JetGreen; 3. Linear Programming: Network Models; 3.1 The Transportation Model; 3.2 The Assignment Model; 3.3 The Transshipment Model; 3.4 Features of Special Network Models; 3.5 Building Network Models with Balance Equations; 3.6

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7.5 Disjunctive Constraints: The Machine Sequencing Problem

Sommario/riassunto

Reflects the latest applied research and features state-of-the-art software for building and solving spreadsheet optimization models Thoroughly updated to reflect the latest topical and technical advances in the field, Optimization Modeling with Spreadsheets, Second Edition continues to focus on solving real-world optimization problems through the creation of mathematical models and the use of spreadsheets to represent and analyze those models. Developed and extensively classroom-tested by the author, the book features a systematic approach that equips readers with the skill
