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Nota di contenuto	Frontmatter -- Acknowledgments -- About the Authors -- Contents -- Preface -- Chapter 1: Introduction to Managerial Decision Modeling -- Chapter 2: Linear Programming Models: Graphical and Computer Methods -- Chapter 3: Linear Programming Modeling Applications with Computer Analyses in Excel -- Chapter 4: Linear Programming Sensitivity Analysis -- Chapter 5: Transportation, Assignment, and Network Models -- Chapter 6: Integer, Goal, and Nonlinear Programming Models -- Chapter 7: Project Management -- Chapter 8: Decision Analysis -- Chapter 9: Queuing Models -- Chapter 10: Simulation Modeling -- Chapter 11: Forecasting Models -- Appendix A: Probability Concepts and Applications -- Appendix B: Useful Excel 2016 Commands and Procedures for Installing ExcelModules -- Appendix C: Areas Under The Standard Normal Curve -- Appendix D: Brief Solutions to All Odd-Numbered End-Of-Chapter Problems -- Index
Sommario/riassunto	This book fills a void for a balanced approach to spreadsheet-based decision modeling. In addition to using spreadsheets as a tool to quickly set up and solve decision models, the authors show how and why the methods work and combine the user's power to logically model and analyze diverse decision-making scenarios with software-based solutions. The book discusses the fundamental concepts, assumptions and limitations behind each decision modeling technique, shows how

each decision model works, and illustrates the real-world usefulness of each technique with many applications from both profit and nonprofit organizations. The authors provide an introduction to managerial decision modeling, linear programming models, modeling applications and sensitivity analysis, transportation, assignment and network models, integer, goal, and nonlinear programming models, project management, decision theory, queuing models, simulation modeling, forecasting models and inventory control models. The additional material files Chapter 12 Excel files for each chapter Excel modules for Windows Excel modules for Mac 4th edition errata can be found at https://www.degruyter.com/view/product/486941