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Autore	Stillwell John
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front Cover; Contents; Preface; - Chapter 1 - The Diagonal Argument; - Chapter 2 - Ordinals; - Chapter 3 - Computability and Proof; - Chapter 4 - Logic; - Chapter 5 - Arithmetic; - Chapter 6 - Natural Unprovable Sentences; - Chapter 7 - Axioms of Infinity; Bibliography; Back Cover
Sommario/riassunto	Winner of a CHOICE Outstanding Academic Title Award for 2011!This book offers an introduction to modern ideas about infinity and their implications for mathematics. It unifies ideas from set theory and mathematical logic, and traces their effects on mainstream mathematical topics of today, such as number theory and combinatorics. The treatment is historical and partly informal, but with due attention to the subtleties of the subject. Ideas are shown to evolve from natural mathematical questions about the nature of infinity and the nature of proof, set against a background of broader questions