1.	Record Nr.	UNISALENTO991004333037507536
	Autore	Bagnall, Roger S.
	Titolo	Amheida 3. : Ostraka from Trimithis, Volume 2; Greek text from the 2008-2013 seasons / by Rodney Ast and Roger S. Bagnall ; with contributions by Clementina Caputo and Raffaella Cribiore
	Pubbl/distr/stampa	New York, NY : New York University Press, 2016
	ISBN	9781479853748
	Descrizione fisica	XV, 294 p. : ill. ; 29 cm
	Collana	Amheida (Series) ; 3
	Altri autori (Persone)	Ast, Rodneyauthor Caputo, Clementina Cribiore, Raffaella
	Disciplina	487.3
	Soggetti	Ostraka - Egitto - Trimithi Iscrizioni greche - Egitto - Trimithi Iscrizioni egiziane - Egitto - Trimithi Comunicazione scritta - Egitto - Trimithi Lingua greca Lingua egiziana Scavi (Archeologia) - Egitto - Sito di Amheida Trimithi Vita sociale e costumi Fonti Trimithi
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia

2.	Record Nr.	UNINA9910768186603321
	Autore	Li Wei
	Titolo	Mathematical Logic : Foundations for Information Science / / by Wei Li
	Pubbl/distr/stampa	Basel : , : Springer Basel : , : Imprint : Birkhäuser, , 2014
	ISBN	3-0348-0862-3
	Edizione	[2nd ed. 2014.]
	Descrizione fisica	1 online resource (XIV, 301 p. 13 illus.)
	Collana	Progress in Computer Science and Applied Logic, , 2297-0576 ; ; 25
	Disciplina	511.3
	Soggetti	Logic, Symbolic and mathematical
		Mathematical Logic and Formal Languages
		Mathematical Logic and Foundations
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Bibliographic Level Mode of Issuance: Monograph
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	Preface -- Preface to the Second Edition -- I Elements of Mathematical Logic -- 1 Syntax of First-Order Languages -- 2 Models of First-Order Languages -- 3 Formal Inference Systems -- 4 Computability & Representability -- 5 Gödel Theorems -- II Logical Framework of Scientific Discovery -- 6 Sequences of Formal Theories -- 7 Revision Calculus -- 8 Version Sequences -- 9 Inductive Inference -- 10 Meta-Language Environments -- Appendix 1 Sets and Maps -- Appendix 2 Proof of the Representability Theorem -- Bibliography -- Index.
	Sommario/riassunto	Mathematical logic is a branch of mathematics that takes axiom systems and mathematical proofs as its objects of study. This book shows how it can also provide a foundation for the development of information science and technology. The first five chapters systematically present the core topics of classical mathematical logic, including the syntax and models of first-order languages, formal inference systems, computability and representability, and Gödel's theorems. The last five chapters present extensions and developments of classical mathematical logic, particularly the concepts of version sequences of formal theories and their limits, the system of revision calculus, proschemes (formal descriptions of proof methods and strategies) and their properties, and the theory of inductive inference. All of these themes contribute to a formal theory of axiomatization and its application to the process of developing information technology and

scientific theories. The book also describes the paradigm of three kinds of language environments for theories and it presents the basic properties required of a meta-language environment. Finally, the book brings these themes together by describing a workflow for scientific research in the information era in which formal methods, interactive software and human invention are all used to their advantage. The second edition of the book includes major revisions on the proof of the completeness theorem of the Gentzen system and new contents on the logic of scientific discovery, R-calculus without cut, and the operational semantics of program debugging. This book represents a valuable reference for graduate and undergraduate students and researchers in mathematics, information science and technology, and other relevant areas of natural sciences. Its first five chapters serve as an undergraduate text in mathematical logic and the last five chapters are addressed to graduate students in relevant disciplines.