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Titolo	Formal Methods for Nonmonotonic and Related Logics : Vol II: Theory Revision, Inheritance, and Various Abstract Properties // by Karl Schlechta
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Soggetti	Logic, Symbolic and mathematical Logic Philosophy and science Artificial intelligence Mathematical Logic and Formal Languages Philosophy of Science Mathematical Logic and Foundations Artificial Intelligence
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Theory Revision and Sums -- Defeasible Inheritance Theory -- Interpolation -- Neighbourhood Semantics and Deontic Logic -- Abstract Independence -- Various Aspects of Nonmonotonic and Other Logics.
Sommario/riassunto	The two volumes in this advanced textbook present results, proof methods, and translations of motivational and philosophical considerations to formal constructions. In the associated Vol. I the author explains preferential structures and abstract size. In this Vol. II he presents chapters on theory revision and sums, defeasible inheritance theory, interpolation, neighbourhood semantics and deontic logic, abstract independence, and various aspects of nonmonotonic and other logics. In both volumes the text contains many exercises and some solutions, and the author limits the discussion of motivation and general context throughout, offering this only when it aids

understanding of the formal material, in particular to illustrate the path from intuition to formalisation. Together these books are a suitable compendium for graduate students and researchers in the area of computer science and mathematical logic.
