

1. Record Nr.	UNINA9910144928203321
Autore	Schlechta Karl
Titolo	Nonmonotonic Logics [[electronic resource]] : Basic Concepts, Results, and Techniques / / by Karl Schlechta
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1997
ISBN	3-540-49736-6
Edizione	[1st ed. 1997.]
Descrizione fisica	1 online resource (IX, 246 p.)
Collana	Lecture Notes in Artificial Intelligence ; ; 1187
Disciplina	006.3
Soggetti	Artificial intelligence Logic, Symbolic and mathematical Artificial Intelligence Mathematical Logic and Formal Languages
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Preferential structures and related logics -- Defaults as generalized quantifiers -- Logic and analysis -- Theory revision and probability -- Structured reasoning.
Sommario/riassunto	Nonmonotonic logics were created as an abstraction of some types of common sense reasoning, analogous to the way classical logic serves to formalize ideal reasoning about mathematical objects. These logics are nonmonotonic in the sense that enlarging the set of axioms does not necessarily imply an enlargement of the set of formulas deducible from these axioms. Such situations arise naturally, for example, in the use of information of different degrees of reliability. This book emphasizes basic concepts by outlining connections between different formalisms of nonmonotonic logic, and gives a coherent presentation of recent research results and reasoning techniques. It provides a self-contained state-of-the-art survey of the area addressing researchers in AI lo.