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Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 2002
Disciplina	005.11
Soggetti	Architecture, Computer Software engineering Mathematical logic Artificial intelligence Computer logic Computer programming Computer System Implementation Software Engineering/Programming and Operating Systems Mathematical Logic and Formal Languages Artificial Intelligence Logics and Meanings of Programs Programming Techniques
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 at the end of each chapters.
Nota di contenuto	Constraints and Constraint Solving: An Introduction -- Constraint Solving on Terms -- Combining Constraint Solving -- Constraints and Theorem Proving -- Functional and Constraint Logic Programming -- Building Industrial Applications with Constraint Programming.
Sommario/riassunto	Constraints provide a declarative way of representing infinite sets of data. They are well suited for combining different logical or programming paradigms as has been known for constraint logic programming since the 1980s and more recently for functional

programming. The use of constraints in automated deduction is more recent and has proved to be very successful, moving the control from the meta-level to the constraints, which are now first-class objects. This monograph-like book presents six thoroughly reviewed and revised lectures given by leading researchers at the summer school organized by the ESPRIT CCL Working Group in Gif-sur-Yvette, France, in September 1999. The book offers coherently written chapters on constraints and constraint solving, constraint solving on terms, combining constraint solving, constraints and theorem proving, functional and constraint logic programming, and building industrial applications.

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