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Titolo	Constraint Solving and Planning with Picat [[electronic resource] /] / by Neng-Fa Zhou, Håkan Kjellerstrand, Jonathan Fruhman
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ISBN	3-319-25883-4
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (155 p.)
Collana	SpringerBriefs in Intelligent Systems, Artificial Intelligence, Multiagent Systems, and Cognitive Robotics, , 2196-548X
Disciplina	005.115
Soggetti	Artificial intelligence Computers Data mining Artificial Intelligence Theory of Computation Data Mining and Knowledge Discovery
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	An Overview of Picat -- Basic Constraint Modeling -- Advanced Constraint Modeling -- Dynamic Programming with Tabling -- From Dynamic Programming to Planning -- Planning with Resource-Bounded Search -- Encodings for the Traveling Salesman Problem -- Index.
Sommario/riassunto	This book introduces a new logic-based multi-paradigm programming language that integrates logic programming, functional programming, dynamic programming with tabling, and scripting, for use in solving combinatorial search problems, including CP, SAT, and MIP (mixed integer programming) based solver modules, and a module for planning that is implemented using tabling. The book is useful for undergraduate and graduate students, researchers, and practitioners.