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Soggetti	Natural language processing (Computer science) Computational linguistics Logic, Symbolic and mathematical Semantics Linguistics Natural Language Processing (NLP) Computational Linguistics Mathematical Logic and Formal Languages Theoretical Linguistics
Lingua di pubblicazione	Inglese
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Preface -- 1.Predicate Languages -- 2.Self-selective Evaluation -- 3. Self-locating Evaluation -- 4.Treebank Annotation -- Appendix: A Standard ML Introduction -- Index.
Sommario/riassunto	This book introduces formal semantics techniques for a natural language processing audience. Methods discussed involve: (i) the denotational techniques used in model-theoretic semantics, which make it possible to determine whether a linguistic expression is true or

false with respect to some model of the way things happen to be; and (ii) stages of interpretation, i.e., ways to arrive at meanings by evaluating and converting source linguistic expressions, possibly with respect to contexts, into output (logical) forms that could be used with (i). The book demonstrates that the methods allow wide coverage without compromising the quality of semantic analysis. Access to unrestricted, robust and accurate semantic analysis is widely regarded as an essential component for improving natural language processing tasks, such as: recognizing textual entailment, information extraction, summarization, automatic reply, and machine translation.
