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identification of anaphors; 2.2.2 Location of the candidates for antecedents; 2.2.2.1 The search scope of candidates for antecedent; 2.2.2.2 Tools and resources needed for the location of potential candidates; 2.2.3 The resolution algorithm: factors in anaphora resolution
 2.2.3.1 Constraints 2.2.3.2 Preferences; 2.2.3.3 Example of anaphora resolution based on simple factors; 2.2.3.4 Combination and interaction of constraints and preferences; 2.2.3.5 Tools and resources needed for implementing anaphora resolution factors; 2.3 Summary; Chapter Three: Theories and formalisms used in anaphora resolution; 3.1 Centering; 3.2 Binding theory; 3.2.1 Interpretation of reflexives; 3.2.2 Interpretation of personal pronouns; 3.2.3 Interpretation of lexical noun phrases; 3.3 Other related work; 3.4 Summary; Chapter Four: The past: work in the 1960s, 1970s and 1980s 4.1 Early work in anaphora resolution 4.2 Student; 4.3 Shrdlu; 4.4 Lunar; 4.5 Hobbs's naive approach; 4.5.1 The algorithm; 4.5.2 Evaluation of Hobbs's algorithm; 4.6 The BFP algorithm; 4.7 Carter's shallow processing approach; 4.8 Rich and LuperFoy's distributed architecture; 4.9 Carbonell and Brown's multi-strategy approach; 4.10 Other work; 4.11 Summary; Chapter Five: The present: knowledge-poor and corpus-based approaches in the 1990s and beyond; 5.1 Main trends in recent anaphora resolution research; 5.2 Collocation patterns-based approach; 5.3 Lappin and Leass's algorithm; 5.3.1 Overview 5.3.2 The resolution algorithm

Sommario/riassunto

Teaching computers to solve language problems is one of the major challenges of natural language processing. There is a large amount of interesting research devoted to this field. This book fills an existing gap in the literature with an up-to-date survey of the field, including the author's own contributions. A number of different fields overlap in anaphora resolution - computational linguistics, natural language processing (NLP), grammar, semantics, pragmatics, discourse analysis and artificial intelligence. This book begins by introducing basic n