Symbolic Logic and Mechanical Theorem Proving

Description: This book contains an introduction to symbolic logic and a thorough discussion of mechanical theorem proving and its applications. The book consists of three major parts. Chapters 2 and 3 constitute an introduction to symbolic logic. Chapters 4-9 introduce several techniques in mechanical theorem proving, and Chapters 10 and 11 show how theorem proving can be applied to various areas such as question answering, problem solving, program analysis, and program synthesis.

Contents:

Preface
Acknowledgments
1. Introduction
   1.1 Artificial Intelligence, Symbolic Logic, and Theorem Proving
   1.2 Mathematical Background
   References
2. The Propositional Logic
   2.1 Introduction
   2.2 Interpretations of Formulas in the Propositional Logic
   2.3 Validity and Inconsistency in the Propositional Logic
   2.4 Normal Forms in the Propositional Logic
   2.5 Logical Consequences
   2.6 Applications of the Propositional Logic
   References
   Exercises
3. The First-Order Logic
   3.1 Introduction
   3.2 Interpretations of Formulas in the First-Order Logic
   3.3 Prenex Normal Forms in the First-Order Logic
   3.4 Applications of the First-Order Logic
   References
   Exercises
4. Herbrand's Theorem
   4.1 Introduction
4.2 Skolem Standard Forms
4.3 The Herbrand Universe of a Set of Clauses
4.4 Semantic Trees
4.5 Herbrand's Theorem
4.6 Implementation of Herbrand's Theorem

References
Exercises

5. The Resolution Principle
5.1 Introduction
5.2 The Resolution Principle for the Propositional Logic
5.3 Substitution and Unification
5.4 Unification Algorithm
5.5 The Resolution Principle for the First-Order Logic
5.6 Completeness of the Resolution Principle
5.7 Examples Using the Resolution Principle
5.8 Deletion Strategy

References
Exercises

6. Semantic Resolution and Lock Resolution
6.1 Introduction
6.2 An Informal Introduction to Semantic Resolution
6.3 Formal Definitions and Examples of Semantic Resolution
6.4 Completeness of Semantic Resolution
6.5 Hyperresolution and the Set-of-Support Strategy: Special Cases of Semantic Resolution
6.6 Semantic Resolution Using Ordered Clauses
6.7 Implementation of Semantic Resolution
6.8 Lock Resolution
6.9 Completeness of Lock Resolution

References
Exercises

7. Linear Resolution
7.1 Introduction
10.4 Logical Formulas Describing the Execution of a Program
10.5 Program Analysis by Resolution
10.6 The Termination and Response of Programs
10.7 The Set-of-Support Strategy and the Deduction of the Halting Clause
10.8 The Correctness and Equivalence of Programs
10.9 The Specialization of Programs
References
Exercises

11. Deductive Question Answering, Problem Solving, and Program Synthesis
11.1 Introduction
11.2 Class A Questions
11.3 Class B Questions
11.4 Class C Questions
11.5 Class D Questions
11.6 Completeness of Resolution for Deriving Answers
11.7 The Principles of Program Synthesis
11.8 Primitive Resolution and Algorithm A (A Program-Synthesizing Algorithm)
11.9 The Correctness of Algorithm A
11.10 The Application of Induction Axioms to Program Synthesis
11.11 Algorithm A (An Improved Program-Synthesizing Algorithm)
References
Exercises

12. Concluding Remarks
References

Appendix A
A.1 A Computer Program Using Unit Binary Resolution
A.2 Brief Comments on the Program
A.3 A Listing of the Program
A.4 Illustrations
References

Appendix B

Bibliography
Index

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