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★**Introduction to propositional satisfiability.**

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Any first-time approach to formal logic necessarily begins with an introduction to propositional logic, as can be observed in all general purpose books, courses or tutorials on the topic. After all, due to its simplicity and the extensive body of knowledge available in the literature, propositional logic constitutes an ideal setting for explaining fundamental concepts and properties that can be easily extrapolated to other logical systems. However, since it is always presented as a bridge to something else, propositional logic has also suffered the common, misleading prejudice of being considered *per se* as an unexpressive or uninteresting formalism.

This book constitutes a solid refutation of such a prejudice, showing that propositional logic plays a central role in computational logic nowadays in different areas of theoretical computer science such as complexity theory, search and constraint satisfaction problems, and knowledge representation in artificial intelligence. The book is probably the most exhaustive compilation of the fundamental properties and the most prominent application areas of propositional logic in computer science known to date. It is recommendable both as a general reference textbook and as a coherent introduction for researchers interested in more specialized topics such as satisfiability checking (SAT), constraint satisfaction, and answer set programming. *Pedro Cabalar*