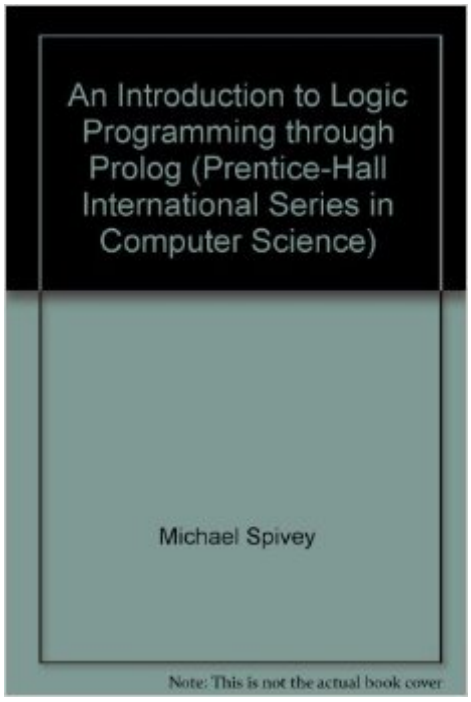
An Introduction To Logic Programming Through Prolog (Prentice Hall International Series In Computer Science)



Synopsis

This is one of the few texts that combines three essential theses in the study of logic programming: the logic that gives logic programs their unique character: the practice of programming effectively using the logic; and the efficient implementation of logic programming on computers. The book begins with a gentle introduction to logic programming using a number of simple examples, followed by a concise and self-contained account of the logic behind Prolog programming. This leads to a discussion of methods of writing programs so that the process of deriving anwers from them is as efficient as possible. The techniques are illustrated by practical examples and the final part of the book explains how logic programming can be implented efficiently. It includes source code for a small but Complete Prolog implementation written in Pascal. The implementation is capable of running all the programs presented in the book, and is available via the Internet.

Book Information

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Customer Reviews

The book is useful to everyone interested in the subject of Logic Programming. It contains all aspects of Logic Programming in a clear and highly comprehensive manner. The concepts of SLD-resolution, negation as failure and many others have been presented so lucidly that a person with almost no knowledge in the subject can read them like stories. I liked the chapter of hardware simulation very much. I strongly recommend the book at least to those who have already made up their minds to switch to another subject. Readers may just look at the book once to verify my words.

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