Admissible Sets and Structures

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Admissible set theory is a major source of interaction between model theory, recursion theory and set theory, and plays an important role in definability theory. In this volume, the 7th publication in the Perspectives in Logic series, Jon Barwise presents the basic facts about admissible sets and admissible ordinals in a way that makes them accessible to logic students and specialists alike. It fills the artificial gap between model theory and recursion theory and covers everything the logician should know about admissible sets.

JON BARWISE works in the Department of Mathematics at the University of Wisconsin, Madison.
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Perspectives in Logic

Admissible Sets and Structures
An Approach to Definability Theory

Jon Barwise
University of Wisconsin, Madison

Association for Symbolic Logic

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Frontmatter

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and the memory of my father
To my mother
Preface to the Series

In presenting a Mathematical Logic course from a common with the name and method. At the end of an infinite discussion we found our name, and that of
were produced, sought and expected something there might be a total, and a
we write the book discussion! How would you like it? I have no authority books
in essence and decade to be drawn with a question. F. Schmidt and Professor
in mathematics to the spring of 1969. Here the founding members of the group is
mathematical logic was first modelled. Various discussions led to a meeting at
monographs in 1966: the idea of an integrated series of monographs


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WII

Acknowledgments. The colleagues and support of Professor Martin Davis of
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Their support and encouragement have helped the project grow and thrive.

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Several courses have grown out of my desire to write this book. I think the

Author's Preface
To Mary Ellen, on this our Eleventh anniversary, I promise to write at most one book every eleven years.

To Mary Ellen, for his or her eleventh anniversary, I promise to write at most one book every eleven years.

To Mary Ellen, for his or her eleventh anniversary, I promise to write at most one book every eleven years.

The collection: but most of all to Mary Ellen for her encouragement and patience.

I mean to use her room as a study during the coal strike. I mean to Russell for help with

And that but large measure of thanks goes to my family: to Melanie for allowing

Author's Preface
Major Dependencies

\(V_A\) denotes the first three \$§\$ of Chapter A, similarly for \(V_B\).