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0521021332 - The Shapley Value: Essays in Honor of Lloyd S. Shapley

Edited by Alvin E. Roth

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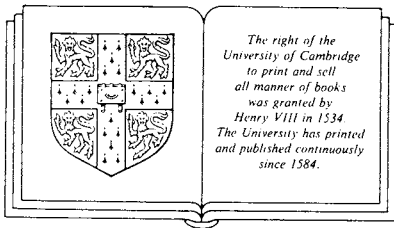
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## Preface

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This volume is in honor of the 1000001st (binary) birthday of Lloyd Shapley.

Each of its twenty chapters concerns some aspect of the Shapley value. The aim of the volume is to make accessible the large body of work that has grown out of Shapley's seminal 1953 paper. Three of the chapters are reprints of "ancestral" papers: Chapter 2 is Shapley's original 1953 paper defining the value, Chapter 3 is the 1954 paper by Shapley and Shubik applying the value to voting models, and Chapter 19 is Shapley's 1969 paper defining a value for games without transferable utility. The other seventeen chapters were contributed especially for this volume. Each is written so as to be largely self-contained, and there is a little diversity of terminology and notation among them, which reflects the diversity in the literature at large. However, the first chapter introduces the subject and each paper in the volume in a unified way. It also contains a very brief account of a few of Shapley's other major contributions to game theory.