

Preface

In recent years, there has been an increase in the number of college courses designed to introduce mathematics to non-math students. One of the topics usually included is a very cursory introduction to the theory of voting. This is a topic that involves some interesting mathematics, although there have not been very many advanced papers on the subject.

I thought I would like to introduce voting to more advanced students of mathematics. This volume is designed for such students. I have introduced a number of electoral methods and included a number of exercises. However, I assume those who are really interested in this area of mathematics will explore the topics further online and in other sources, such as [28] and [31].

There are several worked examples in the text, and some are followed by practice exercises. I would suggest that readers go through these as they encounter them. The exercises are at the end of the chapters, and answers to the odd-numbered questions will be found at the end of the book. I have supplied more complete solutions to many of them than is usual in a text. But please try them before you look at the answers. A complete solutions manual is also available.

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