

CONTENTS

| | |
|--|-----------------|
| Preface | <i>page</i> vii |
| 1. Formulae | 1 |
| 2. Substitution | 4 |
| 3. Axioms and Rules of Deduction | 7 |
| 4. Examples of Provable Formulae | 9 |
| 5. Hypothetical Deduction | 19 |
| 6. Course-of-Values Induction | 23 |
| 7. The Deduction Theorem | 25 |
| 8. Some Applications of the Deduction Theorem | 30 |
| 9. Negations of Disjunctions and Conjunctions | 41 |
| 10. Equivalence | 48 |
| 11. Consistency | 60 |
| 12. Independence | 65 |
| 13. Completeness | 71 |
| Bibliography | 82 |
| Index | 83 |