

Symbolic Logic and the Game of Logic

By Lewis Carroll

9780846204925

Book I. Things and Their Attributes

I. Introductory

II. Classification

III. Division

§1. Introductory

§2. Dichotomy

IV. Names

V. Definitions

Book II. Propositions

I. Propositions Generally

§1. Introductory

§2. Normal form of a Proposition

§3. Various kinds of Propositions

II. Propositions of Existence

III. Propositions of Relation

§1. Introductory

§2. Reduction of a Proposition of Relation to Normal form

§3. "A Proposition of Relation, beginning with "All," is a Double Proposition"

§4. "What is implied, in a Proposition of Relation, as to the Reality of its Terms?"

§5. Translation of a Proposition of Relation into one or more Propositions of Existence

Book III. The Biliteral Diagram

I. Symbols and Cells

II. Counters

III. Representation of Propositions

§1. Introductory

§2. Representation of Propositions of Existence

§3. Representation of Propositions of Relation

IV. "Interpretation of Biliteral Diagram, when Marked with Counters"

Book IV. The Triliteral Diagram

I. Symbols and Cells

II. "Representation of Propositions in Terms of X and M, or of Y and M"

§1. "Representation of Propositions of Existence in terms of x and m, or of y and m"

§2. "Representation of Propositions of Relation in terms of x and m, or of y and m"

III. "Representation of two propositions of relation, one in terms of x and m, and the other in terms of y and m, on the same diagram"

IV. "Interpretation, in terms of x and y, of triliteral diagram, when marked with counters or digits"

Book V. Syllogisms

I. Introductory

II. Problems in Syllogisms

§1. Introductory

§2. Given a Pair of Propositions of Relation

§3. Given a Trio of Propositions of Relation

Book VI. The Method of Subscripts

- I. Introductory
- II. Representation of propositions of relation
- III. Syllogisms
 - §1. Representation of Syllogisms
 - §2. Formula for Syllogisms
 - §3. Fallacies
 - §4. Method of proceeding with a given Pair of Propositions
- Book VII. Soriteses
 - I. Introductory
 - II. Problems in Soriteses
 - §1. Introductory
 - §2. Solution by Method of Separate Syllogisms
 - §3. Solution by Method of Underscoring
- Book VIII. "Examples, with answers and solutions"
 - I. Examples
 - §1. Propositions of Relation
 - §2. Pairs of Abstract Propositions
 - §3. Marked Triliteral Diagrams
 - §4. Pairs of Abstract Propositions
 - §5. Pairs of Concrete Propositions
 - §6. Trios of Abstract Propositions
 - §7. Trios of Concrete Propositions
 - §8. Sets of Abstract Propositions
 - §9. Sets of Concrete Propositions
 - II. Answers
 - III. Solutions
 - §1. Propositions of Relation reduced to normal form
 - §2. Method of Diagrams
 - §3. Method of Subscripts
- Notes
- "Appendix, addressed to teachers"
- Notes to Appendix
- Index