Product Rule

Sum Rule

Subtraction RuleDivision Rule

Division Rule in Terms of Sets

Division Rule in Terms of Functions

Tree Diagrams

Pigeonhole Principle

Generalized Pigeonhole Principle

Permutations

Combinations

Binomial coefficient

Combinatorial Proofs

Double Counting Proof

Bijective Proof

Distinguishable

Identical

Distinguishable boxes

Indistinguishable boxes