

Resource Allocation Problems

Optimization Problems

N-Dimensional Space

Real Functions

Extended Real Numbers

Distance

Real Limits

Space Distance

Absolute Value

Plane Distance

Interval Length

Real Space

Intervals

Real Sequences

Greatest Lower Bounds

Real Plane

Real Line

Sequences

Real Order

Integral Line

Real Numbers

Rational Order

Geometry

Rational Numbers

Lists

Set Numbers

Finite Sets

Equivalent Sets

Family Unions and Intersections

Function Inverses

Natural Order

Function Images

Function Composites

Functions

Converse Relations

Equivalence Relations

Relations

Operations

Natural Multiplicative Identity

Natural Additive Identity

Integer Sums

Integer Products

Identity Elements

Arithmetic

Natural Powers

Natural Products

Natural Sums

Recursion Theorem

Peano Axioms

Natural Induction

Natural Numbers

Generalized Set Dualities

Set Powers

Set Unions and Intersections

Set Dualities

Unordered Triples

Successor Sets

Intersection of Empty Set

Partitions

Set Symmetric Differences

Ordered Pairs

Pair Unions

Set Intersections

Set Complements

Pair Intersections

Set Unions

Set Differences

Unordered Pairs

Empty Set

Set Specification

Set Equality

Set Inclusion

Deductions

Quantified Statements

Logical Statements

Statements

Identities

Sets

Names

Letters

Objects