Why

They are chordal.

Definition

A *split graph* is an undirected graph whose vertices can be partitioned into two sets such that one set induces a complete subgraph and the other set has no edges between vertices.

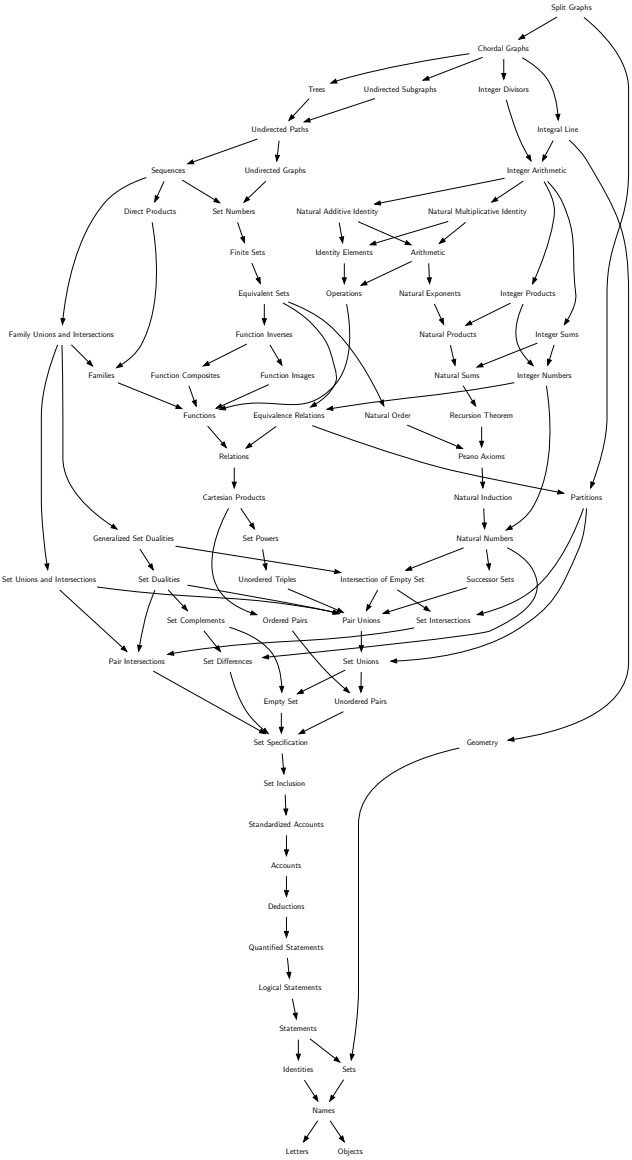
Properties

Prop. 1. *The complement of a split graph is a split graph.*

Prop. 2. *A graph is a split graph if and only if it is chordal and has a chordal complement.*

Proof. TODO

□


Split Graphs
Chordal Graphs
Trees
Undirected Subgraphs
Integer Divisors
Undirected Paths
Integral Line
Sequences
Undirected Graphs
Integer Arithmetic
Direct Products
Set Numbers
Natural Additive Identity
Natural Multiplicative Identity
Finite Sets
Identity Elements
Arithmetic
Equivalent Sets
Operations
Natural Exponents
Integer Products
Family Unions and Intersections
Function Inverses
Natural Products
Integer Sums
Families
Function Composites
Function Images
Natural Sums
Integer Numbers
Functions
Equivalence Relations
Natural Order
Recursion Theorem
Relations
Peano Axioms
Cartesian Products
Natural Induction
Partitions
Generalized Set Dualities
Set Powers
Natural Numbers
Set Unions and Intersections
Set Dualities
Unordered Triples
Intersection of Empty Set
Successor Sets
Set Complements
Ordered Pairs
Pair Unions
Set Intersections
Pair Intersections
Set Differences
Set Unions
Empty Set
Unordered Pairs
Set Specification
Geometry
Set Inclusion
Standardized Accounts
Accounts
Deductions
Quantified Statements
Logical Statements
Statements
Identities
Sets
Names
Letters
Objects