⬦ Split Graphs

1 Why

They are chordal.

2 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.

3 Properties

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

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

Proof. TODO

□

Set Operations

Alge

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