



## SPLIT GRAPHS

### 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.*<sup>1</sup>

□

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<sup>1</sup>Future editions will include a proof.



