EXAMPLE FILE FOR GRATZER-COLOR-SCHEME

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Definition 1. A diagram of an SPS lattice L is a C_1-*diagram* if the middle edge of any cover-preserving 7 is steep and all other edges are normal.

Theorem 1. Every slim, planar, semimodular lattice L has a C_1-diagram.

Corollary 1. The principal ideals are distributive.

Proof. Let K be represented. □

Lemma 1. K is a lattice.

Proof. Obvious. □

Proposition 1. K is not a lattice.