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The Ordered Set of Connected Parts of a Polygonal Graph

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Under a polygonal graph is meant an oriented graph obtained from a cycle by some orientation of its edges. The set of all abstract (i. e. pairwise non-isomorphic) connected parts of a polygonal graph is ordered by graph embedding. Polygonal graphs are characterized for which this ordered set is a lattice.

Key words: polygonal graph, linear graph, binary vector, duality, ordered set, lattice.

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