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*Combinatorial Constructions of Polytopes*

The face lattice of a (convex) polytope P is the set L(P) of all faces of P, partially ordered by inclusion. It is known that L(P) is an atomic and coatomic graded lattice. Two polytopes P and Q are combinatorially equivalent if L(P) and L(Q) are isomorphic. The combinatorial construction of a polytope is the construction of a lattice that is a face lattice. A geometrical realization of a polytope P is a polytope Q, in a real space of suitable dimension, that is combinatorially equivalent to P. We present both a combinatorial construction and a geometrical realization of a polytope.