

## **POLYTOPES**

## Definition

A polytope is the convex hull of a set of finitely many points.

An m-dimensional simplex is the convex hull of m+1 affinely independent points; an m-dimensional simplex is a polytope. The points are called the vertices of the simplex.

When m=0,1,2,3 the simplex is a point, closed line segment, triangle or tetrahedron.

