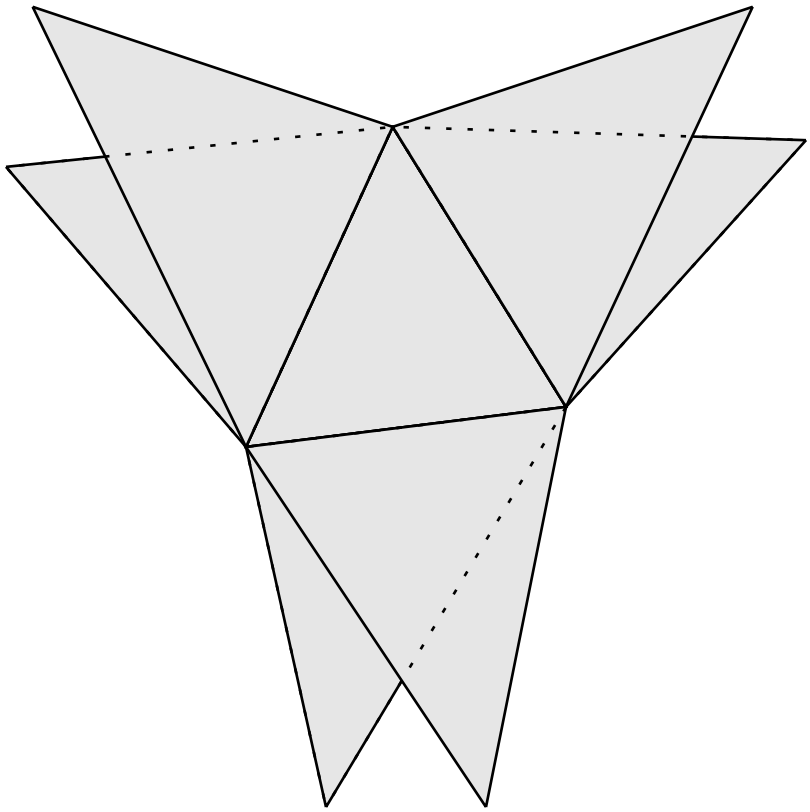

A small fragment of a two-dimensional building

The illustration shows seven chambers (two-simplices), each of the outer six sharing a facet with the central one. Each facet of the central chamber is a facet of (at least) three distinct chambers, namely the central one and one of the outer overlapping pairs. Thus, such a configuration of chambers cannot lie inside any single apartment.