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PROJECTIVITIES OF SIMPLICIAL POSETS

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Abstract

In this paper, we associate a group $\prod(S)$ of projectivities to an arbitrary strongly connected simplicial poset S, which is a combinatorial but not a topological invariant of S. We determine the groups of projectivities for simplicial posets of dimension at most 1. Moreover, we show that the group of projectivities for the join of two simplicial posets equals the direct product of their groups of projectivities.

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