

Q is star-connected (strongly-connected)

Theorem A: The root polytope $\text{Root}(Q)$ is reflexive and unimodular. The marked order polytope $\mathcal{O}_R(P)$.

Q is plane (with unique \bullet)

Theorem B: $\text{Root}(Q)$ is dual to $\text{Root}(Q)$ and $\text{Root}(Q)$ is dual to $\text{Root}(Q)$. If P graded, they coincide.

Q from ranked poset P

Figure 1: Overview of our main results: they appear as cor:reflexive, thm:dual, prop:NPreflexive, thm:refine.