UNIMODALITY IDEAS

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If you replace the condition on unitary peck posets that $\phi_i = \sum_{y>x, y\in P_i} y$ but the condition that $\phi_i = \sum_{y>x, y\in P_i} c_i y$ for $c_i \in \mathbb{R}_+$, instead of doesn't the proof still go through? It seems like the only place we used unitary is to check that $V_i^G \neq 0$.

UPDATE: It turns out that the condition that $c_i = 1$ for all i is necessary in order for the group action to commute with ϕ_i. - David H