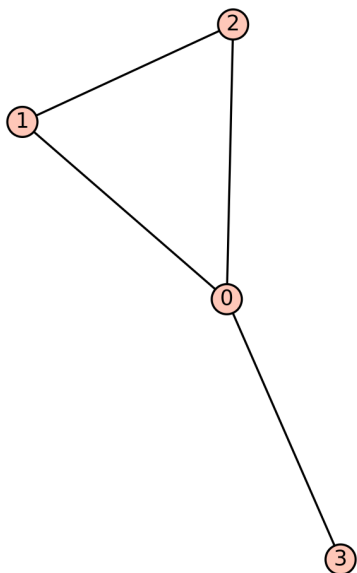


Last name _____

First name _____

LARSON—MATH 356—HOMEWORK WORKSHEET 11
Tarjan-Trojanowski and Chromatic Polynomial Algorithms.



1. Let the above graph be G . Apply the Tarjan-Trojanowski Algorithm to find $maxset(G)$. Include the entire recursion tree (as in the Sec. 2.3 example). Carefully annotate every node. **Be maximally verbose.** Explain your final answer.
2. Find the chromatic polynomial $P(K; G)$ for this graph. Include the entire recursion tree. Carefully annotate every node. **Be maximally verbose.** Explain your final answer.