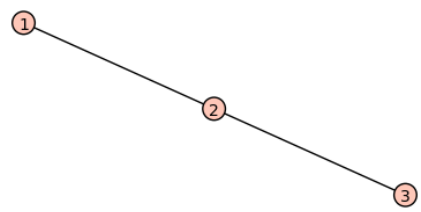
Last name _____

First name _____

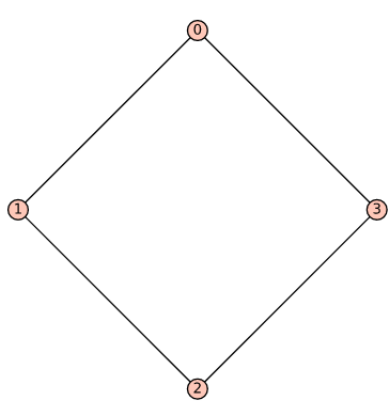
LARSON—MATH 356–CLASSROOM WORKSHEET 23
New Graphs from Old.

Concepts & Notation

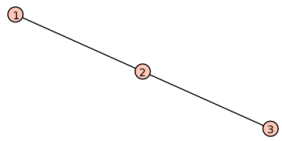
- Sec. 1.6.1: Union, intersection, join.
- Sec. 1.6.2: Vertex & edge cuts, cut vertex, bridges, edge contraction.
- Sec. 1.6.3: Complements.
- Sec. 1.6.4: Graph minors.



1. Find the complement p_3^c of p_3.



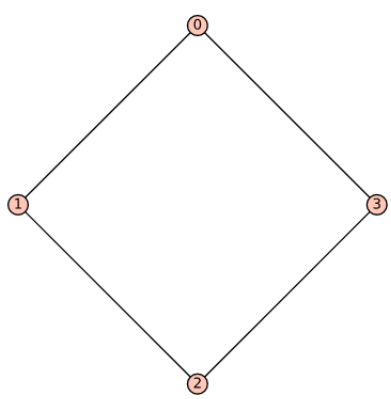
2. Find the complement c_4^c of c_4.



3. Let $e = (1, 2)$. Find p_3/e.

4. Explain why p_2 is a *minor* of p_3.

5. Is it true that p_2 is a minor of any path?



6. Let $e = (1, 2)$. Find c_4/e.

7. Can you say anything about all cycles?