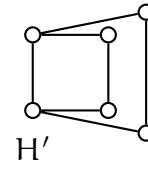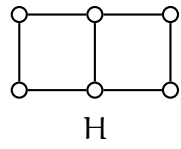# Math589 Homework 6

1. [1pt] Find a graph G and two drawings of it such that the two drawings are not topologically equivalent. (Your examples cannot be the same as the examples in the textbook.)

   Solution.

2. [1pt] Show that there is no graph theoretical isomorphism between the following two drawings.

H

H′

Solution.

Questions to ponder:

1. Visit `https://networkx.org/documentation/stable/_modules/networkx/drawing/layout.html`. Find a layout and understand/guess the meaning of the function.

2. Practice your TEXnique at `https://texnique.xyz/`.

3. Let say a crossing is an intersection of two edges of a drawing. What is the minimum number of crossing of a drawing of K_5 (and K_6)?