

HOMEWORK #9

Problem 1. Given an example of a plane graph G whose dual G^* is isomorphic to a *proper* subgraph of G .

Problem 2. Find a plane graph with 9 vertices that is isomorphic to its dual. (Look at the exercises in the book for ideas.)

Problem 3. Problem 7.1.3 (page 235).

Problem 4. Problem 7.2.3, page 245.

Problem 5. Problem 7.2.9, page 246. (You don't need to use induction.)