

Last name _____

First name _____

LARSON—MATH 656—HOMEWORK 01
Equivalents of Hall's Theorem.

Problems

1. In class we used Hall's Theorem to prove the König-Egerváry Theorem.

Now use the König-Egerváry Theorem to prove Hall's Theorem. (One direction of Hall's Theorem is "free" and doesn't require the assumption of the König-Egerváry Theorem).

State the theorems and write up a complete, clear and compelling proof.