EECS498-003 - Lab 6

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Administrivia

- Start looking for Project 1 partners!
- ▶ Midterm set for Thursday, October 23, 6-8pm, DOW1014
 - One double-sided cheat-sheet at 10pt
 - Covers up to Chapter 4, no distributed systems
- ► Today: Another inductive invariant exercise

The Bridges of Euleria

Euler is in his favorite town, Euleria, and wants to take a walk. Sadly, the bridges are in great disrepair.

- ▶ *n* locations in town, identified by numbers 0, ..., n-1
- Bridges (undirected edges) connect locations.
- After Euler walks across a bridge, it breaks and falls apart.
- Euler starts at his home, location 0.
- Every location has an even number of bridges to start.
- Prove: Euler is always able to continue his walk by crossing a bridge, or otherwise he is home.
- Starter code at lab06.dfy on the course GitHub