Math 36 — Weekly Homework
Assigned: 10/22
Due: 10/29

1. Suppose you have a ring network with n vertices, where every vertex is connected to their m nearest neighbors. Show that the average path length between two randomly chosen vertices is $\frac{n}{2m}$ steps.

2. Show me the progress you have made on your final project. There is no requirement for page count and it does not need to resemble a polished final draft, but it should include all the work you have done, the things you have learned, the games you have analyzed, the code you have written, etc. The goal is to convince me that you are making substantial progress toward completing a satisfactory final project. Of course, you can email me or come to office hours if you have any questions.