Math589 Homework 1

Note: To submit the k-th homework, simply put your files in the folder `HWk` on CoCalc, and it will be collected on the due day.

1. You should have received an invitation email from CoCalc. Do the following:

   (a) Register an account with your **school email**. (Let me know if you prefer using a different email address.)

   (b) Open the project whose name contains **2019SMath589**.

   (c) Open `HW1 > name.txt`.

   (d) Enter your name in `name.txt` and click on **Save**.

   [This assignment can only be done electronically.]

2. Try to create a simple graph G on n vertices such that the degrees for each vertex are distinct. For each fixed n, find an example or prove that such graph does not exist.