Homework 04

Assigned on 2021-04-16   **Due on 2021-04-24**

1. Write a program for the following task. Starting from a graph with 1000 nodes and no links, add links randomly, one at a time, until your graph has a connected component that comprises at least 501 nodes. What is the value of $\langle k \rangle$ at this point? Repeat the experiment 50 times, and plot the distributiion of $\langle k \rangle$ values.

   Hand in your code together with the solutions.