COMP 342 Project 1 – Bonus

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The way that we connected the two laptops was by changing the host of the socket from localhost to the IP of the laptop running the server. After we did this we were able to send a 21216 KB file from the client to the server in 4.52 seconds. We were able to use these numbers to calculate the bandwidth as follows:

Transmission Time = Size\_of\_file/Bandwidth

Bandwidth = Size\_of\_file/TT

Size\_of\_file = 21216 KB = 173801472 bits

Transmission Time = 4.52 seconds

Bandwidth = (173801472/4.52)/(1000^2) = 38.4517 Mbps

This is a reasonable bandwidth considering the test was performed over Grove City’s internet, and is a decent bandwidth speed overall.