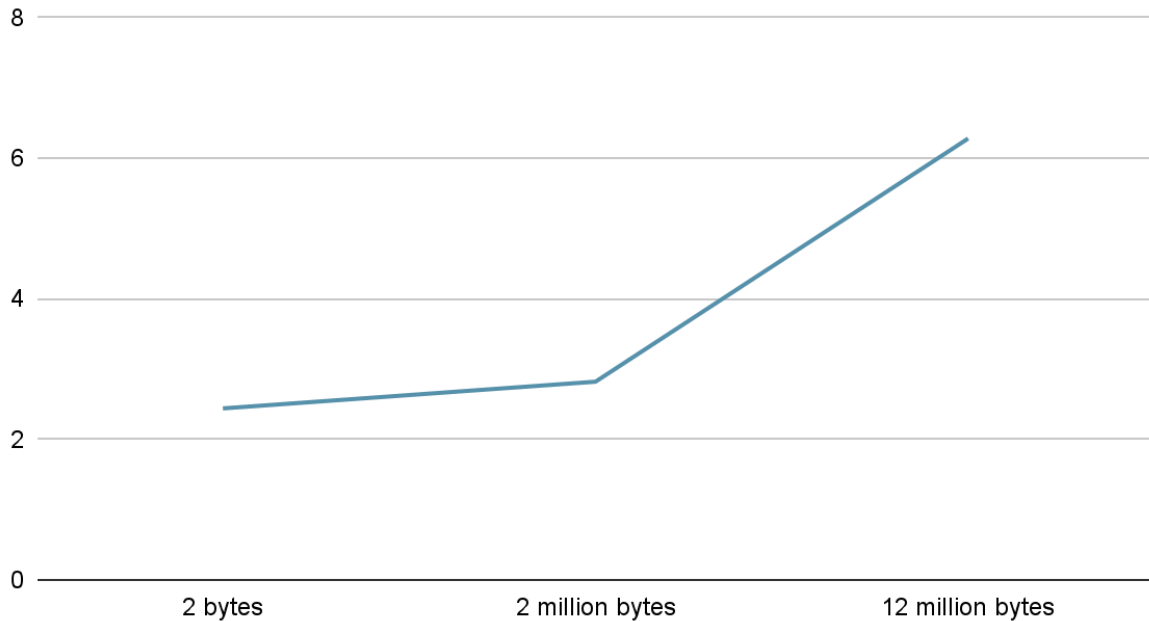


1. Create files of varying sizes and record the time it takes to transfer them. Visualize the execution time vs file size. Does the trend make sense?

bytes transfer speed in seconds per bytes



ANS: There is a trend, and this makes sense. Larger files have more bytes, and thus each type a chunk of bytes needs to be transferred, which is more for larger files, the more times it needs to run.

2. What is the main bottleneck that stops the code from transferring files faster? Describe in one or two sentences

ANS: The main bottleneck that prevents the fast transfer of files is the chunking of files into 100 bytes each. This results in more iterations of 100 bytes transfers for files.