Data Preparation Write-Up

This assignment involved more math than anything else. For preprocessing, I just found the closest larger multiple of three to the String bytes array length, created an array of that size to store bytes, transferred the String array in, and added 0’s as necessary. To move the bytes into the shorts array, we just iterated over every group of three and handled all the shifts and ors for the corresponding two shorts.

Postprocessing was incredibly similar. We just iterated over every group of two and figured out the corresponding three bytes.

A computer screen with white numbers

Description automatically generated