**mathwhiz**

To complete this challenge, I solved the math problems that the host gave me. To do this, I transformed the information I got from the connection from bytes to string and used eval to evaluate for the answer. Before I could use eval, I needed to make sure the numbers were in binary, hex, or numbers in a string. Some of the problems given had numbers that were spelled out in words, separated by dashes. If such a problem was given, I turned the given words into numbers and then used eval. To turn the given words into numbers, I created a dictionary to map words (like “ONE”) to numbers (like 1). I used this dictionary to replace the words with numbers:

for key in numbers:

question\_cleaned = question\_cleaned.replace(key, numbers[key])

Then, I split the string (by operation) so that the two numbers were separated. This was so that I could take out the dashes in the middle of the numbers without taking out any minus signs. Then, I reconnected the first number, the operation, and the second number and used eval to determine the answer. This solved all problems with words instead of numbers, and the rest of the problems were trivial to solve using eval. Thus, I was able to solve all the host’s math problems.