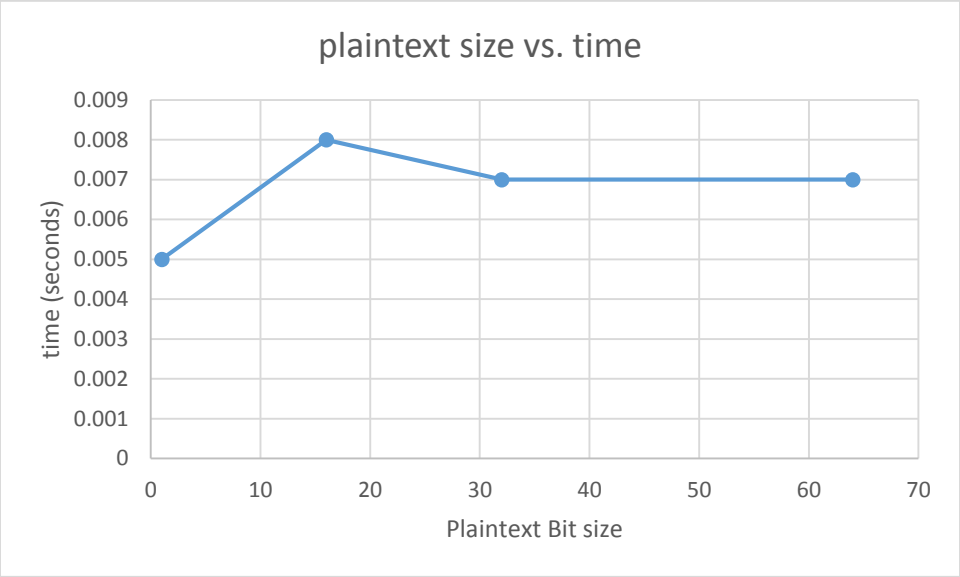
Performance of the SPECK cipher with various bit size inputs



As we can see from the chart an increase in the size of the plaintext had almost no effect on the time it took to encrypt. This is what we would expect since a block cipher will treat any input smaller than 64 bits as a 64 bit number with the necessary number of leading zeroes to convert it to the appropriate size.

In our current main function we have the key and plaintext vectors from the SPECK paper to show the correctness of our algorithm.