

My methodology for the decipher process was trial and error. Utilizing my task1 code, if the offset was not 0, then it would XOR what was inputted into guessbin with c1bin. When a proper word is entered into guessbin at the proper offset, then the returned value should be pieces of English words. This process involved me going through the list of “Most common words in English” found on Wikipedia as inputs for guessbin and going through the offsets 1-59.

After a long and tedious process, I found that at offset 20 and a guessbin of “that ” reveals the pieces “us ti”. I assumed that ti was time, thus reused my task1 code but with a guessbin of “us time” at offset 20. This revealed the words “that we”. To decipher more, I had to find a word that ended with “us” and after more trial and error I found that “enormous time” at offset 14, revealed “say that we”.

At this point, I just searched up famous quotes with “enormous time” in it and after going through Google Images, I found a quote by Haruki Murakami stating: “We can invest enormous time and energy in serious efforts to know another person, but in the end, how close can we come to that person's essence? We convince ourselves that we know the other person well, but do we really know anything important about anyone?”. I took the first 60 characters, plugged it into my task1 code with an offset of 0 (since I assumed this was my correct guess) and got an output of “Maybe we cannot say that we are in touch with reality and he”. To confirm which one was the first quote, I tested my code with the other files and found that the first quote was indeed “We can invest enormous time and energy in serious efforts to”.

