

Homework 11 extra problems

For all these problems, use the declaration of independence as a one-time pad. It starts out like:

When in the Course of human events it becomes necessary for one people to dissolve the political bands which have connected them with another and to assume among the powers of the earth, the separate and equal station to which the Laws of Nature and of Nature's God entitle them, a decent respect to the opinions of mankind requires that they should declare the causes which impel them to the separation.

1. Say you want to send me this message: DOYOUREALLYLIKEME. Use the one-time pad to encrypt the message.
2. I reply with the one-time pad and this is my answer: PNECBQKPVVSBXE. Decode my answer. (Remember I will not re-use any part of the one-time pad, but I will continue where you left off.)