MATH 435

Additional Homework Exercises on the Cryptosystems

A. Suppose one has the one-time pad key string 110011101010100011001. Suppose the message 11010110110001001101 is to be transmitted using this key. Encode this message using a one-time pad with this key.

B. Suppose that the message 10001010111101110000 was received and it was encodes using a one time pad with key 011010010000111011010. Decode the received message.