

Section 4 Lecture 22 – Binary XOR

Exercises

Q1) Give an example to show that if you take the XOR of one message with another second message, and then take the XOR of the result with the same second message again, that you recover the original message. Is this true in general?

Q2) What happens if you take the XOR of a message with itself? Give an example.

Q3) Create a backup drive from the drives 1010100101011101 and 0101010000111101. Show that taking the XOR of any two of the three resulting drives will result in the other drive.