

Exercise for the lecture
Distributed Storage and Computer Forensic
Winter 2011/12
Sheet 3

EXERCISE 3:

Consider the $GF(2^2)$ with the irreducible polynome $x^2 + x + 1$

1. Create an exponential and logarithm table for this field.
2. Create a 3x3 Vandermonde Matrix.
3. Invert the Vandermonde Matrix.
4. What is the largest invertible Vandermonde Matrix over this field?