

Lab 5

Read the materials on two-dimensional arrays, write the following programs and project 3.

1. Write a program to invert a 3x3 **(3 points)** matrix

https://en.wikipedia.org/wiki/Invertible_matrix

Solving by the method of algebraic complements, rather than a ready-made formula
additional +2pct

2. Write a program that loads an int type array A with K columns and W rows and an array B with W columns and K rows by row. Calculate the product of the arrays A and B. **4pt**

https://en.wikipedia.org/wiki/Matrix_multiplication

3. Write a program to find prime numbers using [Eratosthenes' sieve](#) **3pt**

<https://www.geeksforgeeks.org/sieve-of-eratosthenes/>