

Labwork 3 - Introduction to cryptography - 2023-2024

October 20, 2023

Based on the provided description of RSA cryptosystem, write a program in Matlab or using C++ to implement RSA encryption and decryption process. System parameters p, q, e or d are given. Define keypair, ciphertext C if plaintext M is given, and reversely.

Test the program with following parameters:

1. $p = 5, q = 11, e = 3, M = 9$
2. $p = 3, q = 11, d = 7, M = 5$

Note

Documents are provided in assignments on Google Classroom "nbt4lok".