Theory of Computation

Homework 5

Due: 2016/01/05

Problem 1. Calculate $(2015|999)$ and $(2016|999)$. (**Answers without procedure will get 0 points**).

Problem 2. Let the two primes $p = 41$ and $q = 17$ be given for RSA. Which of the parameters $e_1 = 32, e_2 = 49$ is a valid RSA exponent? What is the value of the private key d?