quiz 05.1

(1) Find the greatest common divisor and least common multiple of 589, 3211, 247 by the naive method factoring them into primes and comparing prime factors.

(2) Efficiently compute the greatest common divisor of 82319, 96521.

(3) Efficiently compute a multiplicative inverse of 317 modulo 1013.

(4) Systematically find $\gcd(n, n+7, n+11)$ for arbitrary n.