(Number theory)

(I) Euclid Algorithm

(II) Extended Euclid Euclid Algorithm

(III) Chinese remainder Theorem

(IV) Modular Multiplicative inverse

(V) Application of extended euclid

(VI) Sieve of Eratosthenes Algo.

(VII) Sagmented Sieve.

(VIII) Linear Diophantine equation.

(IX) totient function (su: 14 —)

(X) willson formula

(XI) (Lucas Theorem)

(XII) Fermat primality Test

(XIII) Chines remainder theorem

(XIV) (Miller-Rabin)