* Linear sieve
* Segmented sieve - <http://www.shafaetsplanet.com/?p=624>
* Bitwise sieve - <https://www.shafaetsplanet.com/?p=855>
* Prime factorization
* Number of divisors/ sum of divisor - [Number of divisors / sum of divisors - Algorithms for Competitive Programming (cp-algorithms.com)](https://cp-algorithms.com/algebra/divisors.html)
* Euler’s phi function - [Euler's totient function - Algorithms for Competitive Programming (cp-algorithms.com)](https://cp-algorithms.com/algebra/phi-function.html)
* Modular exponentiation - [Modular Exponentiation | forthright48](https://forthright48.com/modular-exponentiation)
* Euclidean algorithm
* Extended Euclidean algorithm
* [Extended Euclidean Algorithm | forthright48](https://forthright48.com/extended-euclidean-algorithm)
* [Extended Euclidean Algorithm - Algorithms for Competitive Programming (cp-algorithms.com)](https://cp-algorithms.com/algebra/extended-euclid-algorithm.html)
* Miller Rabin Primality Test - [Primality tests - Algorithms for Competitive Programming (cp-algorithms.com)](https://cp-algorithms.com/algebra/primality_tests.html#miller-rabin-primality-test)