

Algebra

- ☒ Binary Exponentiation
- ☒ Extended Euclidean
- ☐ Linear Diophantine
- ☒ Linear Sieve
- ☐ Miller Rabin (deterministic)
- ☐ Pollard Rho
- ☐ Euler's Totient
- ☒ Modular Inverse
- ☐ Chinese Remainder Theorem
- ☐ Garner's Algorithm
- ☒ Factorial modulo p
- ☐ Discrete Logarithm
- ☐ Primitive Root
- ☐ Discrete Root
- ☐ Montgomery Multiplication
- ☐ Balanced Ternary
- ☐ Gray Code
- ☐ Bit manipulation
- ☐ Enumerating bitmask subsets
- ☐ Arbitrary Precision
- ☒ Fast Fourier Transform
- ☐ Continued Fractions

Data Structures

- ☒ Sparse Table
- ☒ Disjoint Set Union
- ☒ Fenwick Tree
- ☒ Fenwick Tree Range Update
- ☐ Sqrt decomposition
- ☒ Segment Tree
- ☒ Treap
- ☒ Merge Sort Tree
- ☐ Sqrt tree
- ☐ Randomized Heap
- ☒ Trie
- ☒ Aho-Corasick

Dynamic Programming

- ☐ Divide & Conquer DP
- ☐ Knuth's Optimization
- ☒ Longest Increasing Subsequence
- ☒ Convex Hull Trick
- ☒ SOS DP (Sum over Subsets)

String Processing