

## Algorithms

1. Y combinator
2. Bubble sort
3. Linked list reversal
4. Unbiasing a biased random number generator
5. Fast Fourier Transformation
6. Square root
7. N queens problem
8. Lempel-Ziv-Welch algorithm
9. Drawing a fractal tree
10. Fibonacci Sequence
11. Bresenham's algorithm
12. Levenshtein Distance
13. Sieve of Eratosthenes
14. Matrix transposition
15. Estimate the value of  $\pi$
16. Subtraction of Church numerals
17. Binary representation of an integer
18. Ackermann function
19. Towers of Hanoi
20. Quine

## Programming languages

1. Smalltalk
2.  $\lambda$  calculus
3. Prolog
4. Ruby
5. x86 Assembly
6. Gallina (Coq)
7. PostScript
8. LOGO
9. Haskell
10. TeX
11. JavaScript
12. D
13. Common Lisp
14. WebAssembly
15. Rust
16. Python
17. C
18. Erlang
19. Perl
20. Tcl

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