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Unique solved — lovemathboy

Links: [problem](#) ([problemset](#)), [Tutorial](#), [submission](#) (first AC).

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Filters: none

Count: 75

1.

2053A

[Tender Carpenter](#) · [Tutorial](#)

Quality: 21,263 global accepts · Rating: 800 · first AC: 2024-12-28 · C++17 (GCC 7-32) (first AC) · Tags: [dp](#), [geometry](#), [greedy](#), [math](#)
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2.

2048A

[Kevin and Combination Lock](#) · [Tutorial](#)

Quality: 22,853 global accepts · Rating: 800 · first AC: 2024-12-19 · C++17 (GCC 7-32) (first AC) · Tags: [brute force](#), [greedy](#), [implementation](#), [math](#), [number theory](#)
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3.

1870A

[MEXanized Array](#) · [Tutorial](#)

Quality: 20,232 global accepts · Rating: 800 · first AC: 2023-09-18 · C++14 (GCC 6-32) (first AC) · Tags: [constructive algorithms](#), [greedy](#), [math](#)
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4.

1863A

[Channel](#) · [Tutorial](#)

Quality: 18,873 global accepts · Rating: 800 · first AC: 2023-08-30 · C++14 (GCC 6-32) (first AC) · Tags: [greedy](#), [implementation](#)
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5.

1864A

[Increasing and Decreasing](#) · [Tutorial](#)

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[lovemathboy's solution](#)

6.

1738A

[Glory Addicts](#) · [Tutorial](#)

Quality: 14,193 global accepts · Rating: 800 · first AC: 2022-09-30 · C++14 (GCC 6-32) (first AC) · Tags: [greedy](#), [implementation](#), [sortings](#)
[lovemathboy's solution](#)

7.

1474A

[Puzzle From the Future](#) · [Tutorial](#)

Quality: 23,359 global accepts · Rating: 800 · first AC: 2021-01-19 · C++14 (GCC 6-32) (first AC) · Tags: [greedy](#)
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8.

1473A

[Replacing Elements](#) · [Tutorial](#)

Quality: 37,431 global accepts · Rating: 800 · first AC: 2021-01-14 · C++14 (GCC 6-32) (first AC) · Tags: [greedy](#), [implementation](#), [math](#), [sortings](#)
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9.

1408A

[Circle Coloring](#) · [Tutorial](#)

Quality: 12,786 global accepts · Rating: 800 · first AC: 2020-09-30 · C++14 (GCC 6-32) (first AC) · Tags: [constructive algorithms](#)
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10.

1426A

[Floor Number](#) · [Tutorial](#)

Quality: 54,968 global accepts · Rating: 800 · first AC: 2020-09-28 · C++14 (GCC 6-32) (first AC) · Tags: implementation, math
[lovemathboy's solution](#)

11.

2048B

[Kevin and Permutation](#) · [Tutorial](#)

Quality: 20,651 global accepts · Rating: 900 · first AC: 2024-12-19 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, greedy
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12.

1426B

[Symmetric Matrix](#) · [Tutorial](#)

Quality: 21,803 global accepts · Rating: 900 · first AC: 2020-09-28 · C++14 (GCC 6-32) (first AC) · Tags: implementation
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13.

1474B

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Quality: 40,343 global accepts · Rating: 1000 · first AC: 2021-01-19 · C++14 (GCC 6-32) (first AC) · Tags: binary search, constructive algorithms, greedy, math, number theory
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14.

1473B

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Quality: 35,093 global accepts · Rating: 1000 · first AC: 2021-01-14 · C++14 (GCC 6-32) (first AC) · Tags: brute force, math, number theory, strings
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15.

1863C

[MEX Repetition](#) · [Tutorial](#)

Quality: 15,534 global accepts · Rating: 1100 · first AC: 2023-08-30 · C++14 (GCC 6-32) (first AC) · Tags: implementation, math
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16.

1863B

[Split Sort](#) · [Tutorial](#)

Quality: 16,813 global accepts · Rating: 1100 · first AC: 2023-08-30 · C++14 (GCC 6-32) (first AC) · Tags: greedy, math, sortings
[lovemathboy's solution](#)

17.

1864B

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18.

1426C

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Quality: 20,545 global accepts · Rating: 1100 · first AC: 2020-09-28 · C++14 (GCC 6-32) (first AC) · Tags: binary search, constructive algorithms, math
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19.

2053B

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Quality: 16,981 global accepts · Rating: 1200 · first AC: 2024-12-28 · C++17 (GCC 7-32) (first AC) · Tags: binary search, brute force, data structures, greedy
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20.

2048C

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Quality: 15,146 global accepts · Rating: 1200 · first AC: 2024-12-19 · C++17 (GCC 7-32) (first AC) · Tags: bitmasks, brute force, greedy, implementation, strings

[lovemathboy's solution](#)

21.

1870B

[Friendly Arrays](#) · [Tutorial](#)

Quality: 16,109 global accepts · Rating: 1200 · first AC: 2023-09-18 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, greedy, math

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22.

1738B

[Prefix Sum Addicts](#) · [Tutorial](#)

Quality: 18,795 global accepts · Rating: 1200 · first AC: 2022-09-30 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy, math, sortings

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23.

1870C

[Colorful Table](#) · [Tutorial](#)

Quality: 13,114 global accepts · Rating: 1300 · first AC: 2023-09-18 · C++14 (GCC 6-32) (first AC) · Tags: binary search, data structures, dp, implementation, math, two pointers

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24.

1864C

[Divisor Chain](#) · [Tutorial](#)

Quality: 15,283 global accepts · Rating: 1300 · first AC: 2023-08-26 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, constructive algorithms, math, number theory

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25.

1863D

[Two-Colored Dominoes](#) · [Tutorial](#)

Quality: 10,766 global accepts · Rating: 1400 · first AC: 2023-08-30 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy

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26.

1408B

[Arrays Sum](#) · [Tutorial](#)

Quality: 10,455 global accepts · Rating: 1400 · first AC: 2020-09-30 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy, math

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27.

2053C

[Bewitching Stargazer](#) · [Tutorial](#)

Quality: 12,336 global accepts · Rating: 1500 · first AC: 2024-12-28 · C++17 (GCC 7-32) (first AC) · Tags: bitmasks, divide and conquer, dp, math

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28.

1738C

[Even Number Addicts](#) · [Tutorial](#)

Quality: 12,779 global accepts · Rating: 1500 · first AC: 2022-09-30 · C++14 (GCC 6-32) (first AC) · Tags: dp, games, greedy, math

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29.

1473C

[No More Inversions](#) · [Tutorial](#)

Quality: 13,414 global accepts · Rating: 1500 · first AC: 2021-01-14 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, math

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30.

1408C

[Discrete Acceleration](#) · [Tutorial](#)

Quality: 9,274 global accepts · Rating: 1500 · first AC: 2020-09-30 · C++14 (GCC 6-32) (first AC) · Tags: binary search, dp, implementation, math, two pointers

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31.

1426D

[Non-zero Segments](#) · [Tutorial](#)

Quality: 17,602 global accepts · Rating: 1500 · first AC: 2020-09-28 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, data structures, greedy, sortings

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32.

2048D

[Kevin and Competition Memories](#) · [Tutorial](#)

Quality: 8,311 global accepts · Rating: 1600 · first AC: 2024-12-19 · C++17 (GCC 7-32) (first AC) · Tags: binary search, brute force, data structures, greedy, sortings, two pointers

[lovemathboy's solution](#)

33.

2053D

[Refined Product Optimality](#) · [Tutorial](#)

Quality: 7,685 global accepts · Rating: 1700 · first AC: 2024-12-28 · C++17 (GCC 7-32) (first AC) · Tags: binary search, data structures, greedy, math, schedules, sortings

[lovemathboy's solution](#)

34.

1864D

[Matrix Cascade](#) · [Tutorial](#)

Quality: 7,640 global accepts · Rating: 1700 · first AC: 2023-08-26 · C++14 (GCC 6-32) (first AC) · Tags: brute force, constructive algorithms, data structures, dp, greedy, math

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35.

1479A

[Searching Local Minimum](#) · [Tutorial](#)

Quality: 13,085 global accepts · Rating: 1700 · first AC: 2021-02-07 · C++14 (GCC 6-32) (first AC) · Tags: binary search, interactive, ternary search

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36.

1473D

[Program](#) · [Tutorial](#)

Quality: 10,970 global accepts · Rating: 1700 · first AC: 2021-01-14 · C++14 (GCC 6-32) (first AC) · Tags: data structures, dp, implementation, strings

[lovemathboy's solution](#)

37.

1870D

[Prefix Purchase](#) · [Tutorial](#)

Quality: 8,031 global accepts · Rating: 1800 · first AC: 2023-09-18 · C++14 (GCC 6-32) (first AC) · Tags: greedy, implementation, sortings

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38.

1477A

[Nezzar and Board](#) · [Tutorial](#)

Quality: 6,526 global accepts · Rating: 1800 · first AC: 2021-01-28 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, math, number theory

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39.

1426E

[Rock, Paper, Scissors](#) · [Tutorial](#)

Quality: 8,139 global accepts · Rating: 1800 · first AC: 2020-09-28 · C++14 (GCC 6-32) (first AC) · Tags: brute force, constructive algorithms,

flows, greedy, math

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40.

2053E

[Resourceful Caterpillar Sequence](#) · [Tutorial](#)

Quality: 4,515 global accepts · Rating: 1900 · first AC: 2024-12-28 · C++17 (GCC 7-32) (first AC) · Tags: dfs and similar, dp, games, graphs, greedy, trees

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41.

1738D

[Permutation Addicts](#) · [Tutorial](#)

Quality: 3,746 global accepts · Rating: 1900 · first AC: 2022-09-30 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, data structures, dfs and similar, dsu, graphs, trees

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42.

1479B1

[Painting the Array I](#) · [Tutorial](#)

Quality: 7,472 global accepts · Rating: 1900 · first AC: 2021-02-07 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, data structures, dp, greedy, implementation

[lovemathboy's solution](#)

43.

1477B

[Nezzar and Binary String](#) · [Tutorial](#)

Quality: 3,550 global accepts · Rating: 1900 · first AC: 2021-01-28 · C++14 (GCC 6-32) (first AC) · Tags: data structures, greedy

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44.

2048E

[Kevin and Bipartite Graph](#) · [Tutorial](#)

Quality: 3,501 global accepts · Rating: 2000 · first AC: 2024-12-19 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, graphs, greedy

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45.

1408D

[Searchlights](#) · [Tutorial](#)

Quality: 4,674 global accepts · Rating: 2000 · first AC: 2020-09-30 · C++14 (GCC 6-32) (first AC) · Tags: binary search, brute force, data structures, dp, implementation, sortings, two pointers

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46.

1426F

[Number of Subsequences](#) · [Tutorial](#)

Quality: 6,166 global accepts · Rating: 2000 · first AC: 2020-09-28 · C++14 (GCC 6-32) (first AC) · Tags: combinatorics, dp, strings

[lovemathboy's solution](#)

47.

1863E

[Speedrun](#) · [Tutorial](#)

Quality: 3,193 global accepts · Rating: 2100 · first AC: 2023-08-30 · C++14 (GCC 6-32) (first AC) · Tags: brute force, dfs and similar, dp, graphs, greedy, math, sortings, two pointers

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48.

1864E

[Guess Game](#) · [Tutorial](#)

Quality: 3,054 global accepts · Rating: 2100 · first AC: 2023-08-26 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, data structures, games, math, probabilities, sortings, strings, trees

[lovemathboy's solution](#)

49.

1479B2

[Painting the Array II](#) · [Tutorial](#)

Quality: 4,431 global accepts · Rating: 2100 · first AC: 2021-02-07 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, data structures, dp, greedy, implementation

[lovemathboy's solution](#)

50.

1477C

[Nezzar and Nice Beatmap](#) · [Tutorial](#)

Quality: 2,587 global accepts · Rating: 2200 · first AC: 2021-01-28 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, geometry, greedy, math, sortings

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51.

1870E

[Another MEX Problem](#) · [Tutorial](#)

Quality: 2,964 global accepts · Rating: 2300 · first AC: 2023-09-18 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, brute force, dp, shortest paths

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52.

1861E

[Non-Intersecting Subpermutations](#) · [Tutorial](#)

Quality: 2,036 global accepts · Rating: 2300 · first AC: 2023-08-31 · C++14 (GCC 6-32) (first AC) · Tags: combinatorics, dp, implementation, math

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53.

1864F

[Exotic Queries](#) · [Tutorial](#)

Quality: 1,639 global accepts · Rating: 2300 · first AC: 2023-08-27 · C++14 (GCC 6-32) (first AC) · Tags: data structures, implementation, sortings

[lovemathboy's solution](#)

54.

1738E

[Balance Addicts](#) · [Tutorial](#)

Quality: 1,798 global accepts · Rating: 2300 · first AC: 2022-09-30 · C++14 (GCC 6-32) (first AC) · Tags: combinatorics, dp, math, two pointers

[lovemathboy's solution](#)

55.

1408F

[Two Different](#) · [Tutorial](#)

Quality: 2,681 global accepts · Rating: 2300 · first AC: 2020-09-30 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, divide and conquer

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56.

1738F

[Connectivity Addicts](#) · [Tutorial](#)

Quality: 1,381 global accepts · Rating: 2400 · first AC: 2022-09-30 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, dsu, graphs, greedy, interactive, shortest paths, trees

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57.

1473E

[Minimum Path](#) · [Tutorial](#)

Quality: 4,740 global accepts · Rating: 2400 · first AC: 2021-01-14 · C++14 (GCC 6-32) (first AC) · Tags: graphs, shortest paths

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58.

1408E

[Avoid Rainbow Cycles](#) · [Tutorial](#)

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59.

2048F

[Kevin and Math Class](#) · [Tutorial](#)

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60.

1479C

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Quality: 1,443 global accepts · Rating: 2500 · first AC: 2021-02-07 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, constructive algorithms

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61.

1906B

[Button Pressing](#) · [Tutorial](#)

Quality: 828 global accepts · Rating: 2600 · first AC: 2026-03-31 · PyPy 3-64 (first AC) · Tags: bitmasks, constructive algorithms, hashing

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62.

1738G

[Anti-Increasing Addicts](#) · [Tutorial](#)

Quality: 556 global accepts · Rating: 2900 · first AC: 2022-09-30 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, dp, greedy, math

[lovemathboy's solution](#)

63.

104059G

[Guessing Game](#) · [Tutorial](#)

Rating: — · first AC: 2022-11-16 · C++14 (GCC 6-32) (first AC) · Tags: —

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64.

104059F

[Formula Flatland](#) · [Tutorial](#)

Rating: — · first AC: 2022-11-16 · C++17 (GCC 9-64) (first AC) · Tags: —

[lovemathboy's solution](#)

65.

104059M

[Mirror Madness](#) · [Tutorial](#)

Rating: — · first AC: 2022-11-16 · C++17 (GCC 9-64) (first AC) · Tags: —

[lovemathboy's solution](#)

66.

104059B

[Breeding Bugs](#) · [Tutorial](#)

Rating: — · first AC: 2022-11-16 · C++14 (GCC 6-32) (first AC) · Tags: —

[lovemathboy's solution](#)

67.

104059I

[Improving IT](#) · [Tutorial](#)

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68.

104059J

[Jesting Jabberwocky](#) · [Tutorial](#)

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[lovemathboy's solution](#)

69.

104059D

[Diabolic Doofenshmirtz](#) · [Tutorial](#)

Rating: — · first AC: 2022-11-16 · C++17 (GCC 9-64) (first AC) · Tags: —

[lovemathboy's solution](#)

70.

104059I

[Lots of Land](#) · [Tutorial](#)

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[lovemathboy's solution](#)

71.

104059C

[Chaotic Construction](#) · [Tutorial](#)

Rating: — · first AC: 2022-11-16 · C++14 (GCC 6-32) (first AC) · Tags: —
[lovemathboy's solution](#)

72.

104059K

[K.O. Kids](#) · [Tutorial](#)

Rating: — · first AC: 2022-11-16 · C++17 (GCC 9-64) (first AC) · Tags: —
[lovemathboy's solution](#)

73.

104059E

[Enjoyable Entree](#) · [Tutorial](#)

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74.

104059H

[Hardcore Hangman](#) · [Tutorial](#)

Rating: — · first AC: 2022-11-16 · C++14 (GCC 6-32) (first AC) · Tags: —
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75.

104059A

[Alternative Architecture](#) · [Tutorial](#)

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