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Unique solved — le0n

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

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Filters: none

Count: 754

- 1.**
2207A
[1-1](#) · [Tutorial](#)
Quality: 13,684 global accepts · Rating: 800 · first AC: 2026-03-11 · C++23 (GCC 14-64, msys2) (first AC) · Tags: greedy, strings
[le0n's solution](#)
- 2.**
2157A
[Dungeon Equilibrium](#) · [Tutorial](#)
Quality: 16,495 global accepts · Rating: 800 · first AC: 2025-11-23 · C++23 (GCC 14-64, msys2) (first AC) · Tags: greedy, implementation, sortings
[le0n's solution](#)
- 3.**
2048A
[Kevin and Combination Lock](#) · [Tutorial](#)
Quality: 22,853 global accepts · Rating: 800 · first AC: 2024-12-19 · C++20 (GCC 13-64) (first AC) · Tags: brute force, greedy, implementation, math, number theory
[le0n's solution](#)
- 4.**
2034A
[King Keykhosrow's Mystery](#) · [Tutorial](#)
Quality: 18,401 global accepts · Rating: 800 · first AC: 2024-11-30 · C++20 (GCC 13-64) (first AC) · Tags: brute force, chinese remainder theorem, math, number theory
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- 5.**
2039A
[Shohag Loves Mod](#) · [Tutorial](#)
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[le0n's solution](#)
- 6.**
2029A
[Set](#) · [Tutorial](#)
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[le0n's solution](#)
- 7.**
2035A
[Sliding](#) · [Tutorial](#)
Quality: 17,847 global accepts · Rating: 800 · first AC: 2024-10-27 · C++20 (GCC 13-64) (first AC) · Tags: implementation, math
[le0n's solution](#)
- 8.**
1942A
[Farmer John's Challenge](#) · [Tutorial](#)
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[le0n's solution](#)
- 9.**
1930A
[Maximise The Score](#) · [Tutorial](#)
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10.

1919B

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11.

1919A

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12.

1916A

[2023](#) · [Tutorial](#)

Quality: 28,312 global accepts · Rating: 800 · first AC: 2023-12-30 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, implementation, math, number theory

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13.

1896A

[Jagged Swaps](#) · [Tutorial](#)

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14.

1870A

[MEXanized Array](#) · [Tutorial](#)

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15.

1863A

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Quality: 18,873 global accepts · Rating: 800 · first AC: 2023-08-30 · C++20 (GCC 11-64) (first AC) · Tags: greedy, implementation

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16.

1864A

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Quality: 21,420 global accepts · Rating: 800 · first AC: 2023-08-26 · C++20 (GCC 11-64) (first AC) · Tags: constructive algorithms, greedy, implementation, math

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17.

1799A

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18.

1787A

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19.

1782A

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20.

1774A

[Add Plus Minus Sign](#) · [Tutorial](#)

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21.

1767B

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22.

1767A

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Quality: 21,558 global accepts · Rating: 800 · first AC: 2022-12-16 · C++14 (GCC 6-32) (first AC) · Tags: implementation
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23.

1758A

[SSeeeiinnngg DDoouubbllee](#) · [Tutorial](#)

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24.

1761A

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25.

1746B

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Quality: 18,637 global accepts · Rating: 800 · first AC: 2022-10-17 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy, two pointers
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26.

1746A

[Maxmina](#) · [Tutorial](#)

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27.

1735A

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28.

1738A

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29.

1730A

[Planets](#) · [Tutorial](#)

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30.

1734B

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31.

1734A

[Select Three Sticks](#) · [Tutorial](#)

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32.

1717A

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33.

1694A

[Creep](#) · [Tutorial](#)

Quality: 23,519 global accepts · Rating: 800 · first AC: 2022-06-20 · C++14 (GCC 6-32) (first AC) · Tags: greedy, implementation
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34.

1689A

[Lex String](#) · [Tutorial](#)

Quality: 17,728 global accepts · Rating: 800 · first AC: 2022-06-13 · C++14 (GCC 6-32) (first AC) · Tags: brute force, greedy, implementation, sortings, two pointers
[leOn's solution](#)

35.

151A

[Soft Drinking](#) · [Tutorial](#)

Quality: 94,781 global accepts · Rating: 800 · first AC: 2022-06-07 · C++14 (GCC 6-32) (first AC) · Tags: implementation, math
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36.

1581A

[CQXYM Count Permutations](#) · [Tutorial](#)

Quality: 14,276 global accepts · Rating: 800 · first AC: 2022-06-06 · C++14 (GCC 6-32) (first AC) · Tags: combinatorics, math, number theory
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37.

1686B

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38.

1686A

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Quality: 21,243 global accepts · Rating: 800 · first AC: 2022-05-30 · C++14 (GCC 6-32) (first AC) · Tags: greedy
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39.

148A

[Insomnia cure](#) · [Tutorial](#)

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40.

1682A

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41.

146A

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42.

141A

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43.

1671A

[String Building](#) · [Tutorial](#)

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[leOn's solution](#)

44.

1647A

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[leOn's solution](#)

45.

1646B

[Quality vs Quantity](#) · [Tutorial](#)

Quality: 22,680 global accepts · Rating: 800 · first AC: 2022-03-07 · C++14 (GCC 6-32) (first AC) · Tags: brute force, constructive algorithms, greedy, sortings, two pointers

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46.

1646A

[Square Counting](#) · [Tutorial](#)

Quality: 25,390 global accepts · Rating: 800 · first AC: 2022-03-07 · C++14 (GCC 6-32) (first AC) · Tags: math

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47.

1642A

[Hard Way](#) · [Tutorial](#)

Quality: 16,732 global accepts · Rating: 800 · first AC: 2022-02-28 · C++14 (GCC 6-32) (first AC) · Tags: geometry

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48.

1638A

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49.

1637A

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Quality: 24,135 global accepts · Rating: 800 · first AC: 2022-02-14 · C++14 (GCC 6-32) (first AC) · Tags: brute force, sortings

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50.

1633B

[Minority](#) · [Tutorial](#)

Quality: 29,401 global accepts · Rating: 800 · first AC: 2022-01-31 · C++14 (GCC 6-32) (first AC) · Tags: greedy

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51.

1633A

[Div. 7](#) · [Tutorial](#)

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[leOn's solution](#)

52.

1631A

[Min Max Swap](#) · [Tutorial](#)

Quality: 31,305 global accepts · Rating: 800 · first AC: 2022-01-27 · C++14 (GCC 6-32) (first AC) · Tags: greedy

[leOn's solution](#)

53.

1615A

[Closing The Gap](#) · [Tutorial](#)

Quality: 21,579 global accepts · Rating: 800 · first AC: 2021-12-30 · C++14 (GCC 6-32) (first AC) · Tags: greedy, math

[leOn's solution](#)

54.

1617A

[Forbidden Subsequence](#) · [Tutorial](#)

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[leOn's solution](#)

55.

1591A

[Life of a Flower](#) · [Tutorial](#)

Rating: 800 · first AC: 2021-12-16 · C++14 (GCC 6-32) (first AC) · Tags: implementation

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56.

1614A

[Divan and a Store](#) · [Tutorial](#)

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57.

1612A

[Distance](#) · [Tutorial](#)

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[leOn's solution](#)

58.

1589A

[Mathematical Addition](#) · [Tutorial](#)

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59.

1440A

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[leOn's solution](#)

60.

1459A

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Quality: 17,658 global accepts · Rating: 800 · first AC: 2021-09-08 · C++14 (GCC 6-32) (first AC) · Tags: math, probabilities

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61.

1556A

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62.

1562A

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63.

1526A

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64.

1529A

[Eshag Loves Big Arrays](#) · [Tutorial](#)

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65.

1484A

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66.

1527A

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67.

1525A

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68.

1358A

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69.

2157B

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70.

2048B

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

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71.

2035B

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72.

1951A

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73.

1896B

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74.

1758B

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75.

1735B

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76.

1726A

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77.

1689B

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Quality: 19,067 global accepts · Rating: 900 · first AC: 2022-06-13 · C++14 (GCC 6-32) (first AC) · Tags: data structures, greedy

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78.

1610A

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79.

149A

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80.

1679A

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81.

1642B

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82.

1617B

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83.

1591B

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84.

1613A

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85.

1612B

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

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86.

1589C

[Two Arrays](#) · [Tutorial](#)

Rating: 900 · first AC: 2021-11-14 · C++14 (GCC 6-32) (first AC) · Tags: greedy, math, sortings

[leOn's solution](#)

87.

1440B

[Sum of Medians](#) · [Tutorial](#)

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88.

1471A

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89.

1525B

[Permutation Sort](#) · [Tutorial](#)

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90.

2034B

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Quality: 15,764 global accepts · Rating: 1000 · first AC: 2024-11-30 · C++20 (GCC 13-64) (first AC) · Tags: data structures, greedy, implementation, two pointers

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91.

2039B

[Shohag Loves Strings](#) · [Tutorial](#)

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[leOn's solution](#)

92.

1930B

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

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93.

1916B

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94.

1876A

[Helmets in Night Light](#) · [Tutorial](#)

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95.

1785A

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Rating: 1000 · first AC: 2023-02-05 · C++14 (GCC 6-32) (first AC) · Tags: greedy, sortings

[leOn's solution](#)

96.

1782B

[Going to the Cinema · Tutorial](#)

Rating: 1000 · first AC: 2023-01-15 · C++14 (GCC 6-32) (first AC) · Tags: brute force, greedy, sortings

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97.

1761B

[Elimination of a Ring · Tutorial](#)

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98.

143A

[Help Vasilisa the Wise 2 · Tutorial](#)

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99.

1671B

[Consecutive Points Segment · Tutorial](#)

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100.

1614B

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101.

1613B

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102.

1589B

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103.

1476A

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104.

1469B

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[leOn's solution](#)

105.

1469A

[Regular Bracket Sequence · Tutorial](#)

Quality: 30,033 global accepts · Rating: 1000 · first AC: 2021-09-22 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy

[leOn's solution](#)

106.

1562B

[Scenes From a Memory](#) · [Tutorial](#)

Quality: 20,543 global accepts · Rating: 1000 · first AC: 2021-08-27 · C++14 (GCC 6-32) (first AC) · Tags: brute force, constructive algorithms, implementation, math, number theory

[leOn's solution](#)

107.

1521A

[Nastia and Nearly Good Numbers](#) · [Tutorial](#)

Quality: 42,044 global accepts · Rating: 1000 · first AC: 2021-05-12 · GNU C++11 (first AC) · Tags: constructive algorithms, math, number theory

[leOn's solution](#)

108.

1358B

[Maria Breaks the Self-isolation](#) · [Tutorial](#)

Quality: 25,874 global accepts · Rating: 1000 · first AC: 2020-12-11 · C++17 (GCC 7-32) (first AC) · Tags: greedy, sortings

[leOn's solution](#)

109.

2029B

[Replacement](#) · [Tutorial](#)

Quality: 11,741 global accepts · Rating: 1100 · first AC: 2024-11-09 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, games, strings

[leOn's solution](#)

110.

1942B

[Bessie and MEX](#) · [Tutorial](#)

Quality: 15,499 global accepts · Rating: 1100 · first AC: 2024-03-30 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, math

[leOn's solution](#)

111.

1863C

[MEX Repetition](#) · [Tutorial](#)

Quality: 15,534 global accepts · Rating: 1100 · first AC: 2023-08-30 · C++20 (GCC 11-64) (first AC) · Tags: implementation, math

[leOn's solution](#)

112.

1863B

[Split Sort](#) · [Tutorial](#)

Quality: 16,812 global accepts · Rating: 1100 · first AC: 2023-08-30 · C++20 (GCC 11-64) (first AC) · Tags: greedy, math, sortings

[leOn's solution](#)

113.

1864B

[Swap and Reverse](#) · [Tutorial](#)

Quality: 16,615 global accepts · Rating: 1100 · first AC: 2023-08-26 · C++20 (GCC 11-64) (first AC) · Tags: constructive algorithms, greedy, sortings, strings

[leOn's solution](#)

114.

1827A

[Counting Orders](#) · [Tutorial](#)

Quality: 28,811 global accepts · Rating: 1100 · first AC: 2023-05-14 · C++20 (GCC 11-64) (first AC) · Tags: combinatorics, math, sortings, two pointers

[leOn's solution](#)

115.

1787B

[Number Factorization](#) · [Tutorial](#)

Quality: 14,892 global accepts · Rating: 1100 · first AC: 2023-01-29 · C++14 (GCC 6-32) (first AC) · Tags: greedy, math, number theory

[leOn's solution](#)

116.

1726B

[Mainak and Interesting Sequence](#) · [Tutorial](#)

Quality: 16,849 global accepts · Rating: 1100 · first AC: 2022-09-19 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, constructive algorithms, math

[leOn's solution](#)

117.

1717B

[Madoka and Underground Competitions](#) · [Tutorial](#)

Quality: 15,636 global accepts · Rating: 1100 · first AC: 2022-09-02 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, implementation

[leOn's solution](#)

118.

1610B

[Kalindrome Array](#) · [Tutorial](#)

Quality: 23,386 global accepts · Rating: 1100 · first AC: 2022-06-05 · C++14 (GCC 6-32) (first AC) · Tags: greedy, two pointers

[leOn's solution](#)

119.

1686C

[Circular Local MiniMax](#) · [Tutorial](#)

Rating: 1100 · first AC: 2022-05-30 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy, sortings

[leOn's solution](#)

120.

1682B

[AND Sorting](#) · [Tutorial](#)

Quality: 26,407 global accepts · Rating: 1100 · first AC: 2022-05-23 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, constructive algorithms, sortings

[leOn's solution](#)

121.

1638B

[Odd Swap Sort](#) · [Tutorial](#)

Quality: 22,546 global accepts · Rating: 1100 · first AC: 2022-02-16 · C++14 (GCC 6-32) (first AC) · Tags: data structures, math, sortings

[leOn's solution](#)

122.

1637B

[MEX and Array](#) · [Tutorial](#)

Quality: 15,457 global accepts · Rating: 1100 · first AC: 2022-02-14 · C++14 (GCC 6-32) (first AC) · Tags: brute force, dp, greedy, math

[leOn's solution](#)

123.

1633C

[Kill the Monster](#) · [Tutorial](#)

Quality: 21,255 global accepts · Rating: 1100 · first AC: 2022-01-31 · C++14 (GCC 6-32) (first AC) · Tags: brute force, math

[leOn's solution](#)

124.

1631B

[Fun with Even Subarrays](#) · [Tutorial](#)

Quality: 26,897 global accepts · Rating: 1100 · first AC: 2022-01-27 · C++14 (GCC 6-32) (first AC) · Tags: dp, greedy

[leOn's solution](#)

125.

1471B

[Strange List](#) · [Tutorial](#)

Quality: 19,932 global accepts · Rating: 1100 · first AC: 2021-09-29 · C++14 (GCC 6-32) (first AC) · Tags: brute force, greedy, implementation, math

[leOn's solution](#)

126.

1529B

[Sifid and Strange Subsequences](#) · [Tutorial](#)

Quality: 21,220 global accepts · Rating: 1100 · first AC: 2021-06-16 · GNU C++11 (first AC) · Tags: greedy, math, sortings

[leOn's solution](#)

127.

2048C

[Kevin and Binary Strings](#) · [Tutorial](#)

Quality: 15,144 global accepts · Rating: 1200 · first AC: 2024-12-19 · C++20 (GCC 13-64) (first AC) · Tags: bitmasks, brute force, greedy, implementation, strings

[leOn's solution](#)

128.

2039C1

[Shohag Loves XOR \(Easy Version\)](#) · [Tutorial](#)

Quality: 13,520 global accepts · Rating: 1200 · first AC: 2024-11-23 · C++20 (GCC 13-64) (first AC) · Tags: bitmasks, brute force, math, number theory

[leOn's solution](#)

129.

1205A

[Almost Equal](#) · [Tutorial](#)

Quality: 14,707 global accepts · Rating: 1200 · first AC: 2024-05-11 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, greedy, math

[leOn's solution](#)

130.

1951B

[Battle Cows](#) · [Tutorial](#)

Quality: 16,849 global accepts · Rating: 1200 · first AC: 2024-04-06 · C++17 (GCC 7-32) (first AC) · Tags: binary search, data structures, greedy

[leOn's solution](#)

131.

1916C

[Training Before the Olympiad](#) · [Tutorial](#)

Quality: 19,883 global accepts · Rating: 1200 · first AC: 2023-12-30 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, games, greedy, implementation, math

[leOn's solution](#)

132.

1874A

[Jellyfish and Game](#) · [Tutorial](#)

Quality: 19,387 global accepts · Rating: 1200 · first AC: 2023-09-30 · C++20 (GCC 11-64) (first AC) · Tags: brute force, games, greedy, implementation

[leOn's solution](#)

133.

1870B

[Friendly Arrays](#) · [Tutorial](#)

Quality: 16,108 global accepts · Rating: 1200 · first AC: 2023-09-18 · C++20 (GCC 11-64) (first AC) · Tags: bitmasks, greedy, math

[leOn's solution](#)

134.

1799B

[Equalize by Divide](#) · [Tutorial](#)

Quality: 12,740 global accepts · Rating: 1200 · first AC: 2023-02-27 · C++17 (GCC 9-64) (first AC) · Tags: brute force, constructive algorithms, greedy, math

[leOn's solution](#)

135.

1738B

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

Quality: 18,793 global accepts · Rating: 1200 · first AC: 2022-10-01 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy, math, sortings

[leOn's solution](#)

136.

1730C

[Minimum Notation](#) · [Tutorial](#)

Quality: 17,937 global accepts · Rating: 1200 · first AC: 2022-09-26 · C++14 (GCC 6-32) (first AC) · Tags: data structures, greedy, math, sortings

[leOn's solution](#)

137.

1734C

[Removing Smallest Multiples](#) · [Tutorial](#)

Quality: 28,633 global accepts · Rating: 1200 · first AC: 2022-09-23 · C++14 (GCC 6-32) (first AC) · Tags: greedy, math

[leOn's solution](#)

138.

1694B

[Paranoid String](#) · [Tutorial](#)

Quality: 20,652 global accepts · Rating: 1200 · first AC: 2022-06-20 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy

[leOn's solution](#)

139.

151B

[Phone Numbers](#) · [Tutorial](#)

Quality: 6,862 global accepts · Rating: 1200 · first AC: 2022-06-07 · C++14 (GCC 6-32) (first AC) · Tags: implementation, strings

[leOn's solution](#)

140.

1581B

[Diameter of Graph](#) · [Tutorial](#)

Quality: 12,482 global accepts · Rating: 1200 · first AC: 2022-06-06 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, graphs, greedy, math

[leOn's solution](#)

141.

146C

[Lucky Conversion](#) · [Tutorial](#)

Rating: 1200 · first AC: 2022-05-20 · C++14 (GCC 6-32) (first AC) · Tags: greedy

[leOn's solution](#)

142.

143B

[Help Kingdom of Far Far Away 2](#) · [Tutorial](#)

Quality: 5,333 global accepts · Rating: 1200 · first AC: 2022-05-17 · C++14 (GCC 6-32) (first AC) · Tags: implementation, strings

[leOn's solution](#)

143.

1679B

[Stone Age Problem](#) · [Tutorial](#)

Quality: 27,433 global accepts · Rating: 1200 · first AC: 2022-05-16 · C++14 (GCC 6-32) (first AC) · Tags: data structures, implementation

[leOn's solution](#)

144.

1671C

[Dolce Vita](#) · [Tutorial](#)

Quality: 25,389 global accepts · Rating: 1200 · first AC: 2022-04-26 · C++14 (GCC 6-32) (first AC) · Tags: binary search, brute force, greedy, math

[leOn's solution](#)

145.

1647B

[Madoka and the Elegant Gift](#) · [Tutorial](#)

Quality: 17,124 global accepts · Rating: 1200 · first AC: 2022-03-14 · C++14 (GCC 6-32) (first AC) · Tags: brute force, constructive algorithms, graphs, implementation

[leOn's solution](#)

146.

1642C

[Great Sequence](#) · [Tutorial](#)

Rating: 1200 · first AC: 2022-02-28 · C++14 (GCC 6-32) (first AC) · Tags: greedy, sortings

[leOn's solution](#)

147.

1637C

[Andrew and Stones](#) · [Tutorial](#)

Quality: 18,744 global accepts · Rating: 1200 · first AC: 2022-02-14 · C++14 (GCC 6-32) (first AC) · Tags: greedy, implementation

[leOn's solution](#)

148.

1613C

[Poisoned Dagger](#) · [Tutorial](#)

Quality: 29,714 global accepts · Rating: 1200 · first AC: 2021-12-02 · C++14 (GCC 6-32) (first AC) · Tags: binary search

[leOn's solution](#)

149.

2129A

[Double Perspective](#) · [Tutorial](#)

Quality: 16,643 global accepts · Rating: 1300 · first AC: 2025-07-31 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, dp, dsu, graphs, greedy, sortings

[leOn's solution](#)

150.

2023A

[Concatenation of Arrays](#) · [Tutorial](#)

Quality: 16,569 global accepts · Rating: 1300 · first AC: 2024-10-20 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, greedy, math, sortings

[leOn's solution](#)

151.

1942C1

[Bessie's Birthday Cake \(Easy Version\)](#) · [Tutorial](#)

Quality: 12,423 global accepts · Rating: 1300 · first AC: 2024-03-30 · C++17 (GCC 7-32) (first AC) · Tags: geometry, greedy, math

[leOn's solution](#)

152.

1943A

[MEX Game 1](#) · [Tutorial](#)

Quality: 21,480 global accepts · Rating: 1300 · first AC: 2024-03-16 · C++17 (GCC 7-32) (first AC) · Tags: games, greedy

[leOn's solution](#)

153.

1889A

[Qingshan Loves Strings 2](#) · [Tutorial](#)

Quality: 15,322 global accepts · Rating: 1300 · first AC: 2023-10-28 · C++20 (GCC 11-64) (first AC) · Tags: constructive algorithms, greedy, implementation

[leOn's solution](#)

154.

1667A

[Make it Increasing](#) · [Tutorial](#)

Quality: 15,684 global accepts · Rating: 1300 · first AC: 2023-10-27 · C++17 (GCC 7-32) (first AC) · Tags: brute force, greedy, math

[leOn's solution](#)

155.

1870C

[Colorful Table](#) · [Tutorial](#)

Quality: 13,114 global accepts · Rating: 1300 · first AC: 2023-09-18 · C++20 (GCC 11-64) (first AC) · Tags: binary search, data structures, dp, implementation, math, two pointers

[leOn's solution](#)

156.

1868A

[Fill in the Matrix](#) · [Tutorial](#)

Quality: 13,613 global accepts · Rating: 1300 · first AC: 2023-09-11 · C++20 (GCC 11-64) (first AC) · Tags: constructive algorithms, implementation

[leOn's solution](#)

157.

1864C

[Divisor Chain](#) · [Tutorial](#)

Quality: 15,283 global accepts · Rating: 1300 · first AC: 2023-08-26 · C++20 (GCC 11-64) (first AC) · Tags: bitmasks, constructive algorithms, math, number theory

[leOn's solution](#)

158.

1815A

[Iai and Array Sorting](#) · [Tutorial](#)

Quality: 15,974 global accepts · Rating: 1300 · first AC: 2023-04-09 · C++14 (GCC 6-32) (first AC) · Tags: greedy, math

[leOn's solution](#)

159.

1774C

[Ice and Fire](#) · [Tutorial](#)

Quality: 13,276 global accepts · Rating: 1300 · first AC: 2022-12-17 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, dp, greedy

[leOn's solution](#)

160.

1746C

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

Quality: 14,100 global accepts · Rating: 1300 · first AC: 2022-10-17 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy, implementation, math

[leOn's solution](#)

161.

1726C

[Jatayu's Balanced Bracket Sequence](#) · [Tutorial](#)

Quality: 13,399 global accepts · Rating: 1300 · first AC: 2022-09-19 · C++14 (GCC 6-32) (first AC) · Tags: data structures, dsu, graphs, greedy

[leOn's solution](#)

162.

1717C

[Madoka and Formal Statement](#) · [Tutorial](#)

Quality: 15,899 global accepts · Rating: 1300 · first AC: 2022-09-02 · C++14 (GCC 6-32) (first AC) · Tags: greedy

[leOn's solution](#)

163.

1694C

[Directional Increase](#) · [Tutorial](#)

Rating: 1300 · first AC: 2022-06-20 · C++14 (GCC 6-32) (first AC) · Tags: greedy

[leOn's solution](#)

164.

146B

[Lucky Mask](#) · [Tutorial](#)

Quality: 4,974 global accepts · Rating: 1300 · first AC: 2022-05-20 · C++14 (GCC 6-32) (first AC) · Tags: brute force, implementation

[leOn's solution](#)

165.

1647C

[Madoka and Childish Pranks](#) · [Tutorial](#)

Quality: 13,332 global accepts · Rating: 1300 · first AC: 2022-03-14 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy

[leOn's solution](#)

166.

1638C

[Inversion Graph](#) · [Tutorial](#)

Quality: 15,942 global accepts · Rating: 1300 · first AC: 2022-02-16 · C++14 (GCC 6-32) (first AC) · Tags: data structures, dsu, graphs, math
[leOn's solution](#)

167.

1615B

[And It's Non-Zero](#) · [Tutorial](#)

Quality: 17,917 global accepts · Rating: 1300 · first AC: 2021-12-30 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, greedy, math
[leOn's solution](#)

168.

1617C

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

Quality: 15,997 global accepts · Rating: 1300 · first AC: 2021-12-23 · C++14 (GCC 6-32) (first AC) · Tags: binary search, greedy, math, sortings
[leOn's solution](#)

169.

1591C

[Minimize Distance](#) · [Tutorial](#)

Rating: 1300 · first AC: 2021-12-16 · C++14 (GCC 6-32) (first AC) · Tags: greedy, math
[leOn's solution](#)

170.

1612C

[Chat Ban](#) · [Tutorial](#)

Quality: 25,808 global accepts · Rating: 1300 · first AC: 2021-11-22 · C++14 (GCC 6-32) (first AC) · Tags: binary search, math
[leOn's solution](#)

171.

1476B

[Inflation](#) · [Tutorial](#)

Quality: 21,637 global accepts · Rating: 1300 · first AC: 2021-10-11 · C++14 (GCC 6-32) (first AC) · Tags: binary search, brute force, greedy, math
[leOn's solution](#)

172.

1471C

[Strange Birthday Party](#) · [Tutorial](#)

Rating: 1300 · first AC: 2021-09-29 · C++14 (GCC 6-32) (first AC) · Tags: brute force, greedy, sortings
[leOn's solution](#)

173.

1459B

[Move and Turn](#) · [Tutorial](#)

Quality: 20,883 global accepts · Rating: 1300 · first AC: 2021-09-08 · C++14 (GCC 6-32) (first AC) · Tags: dp, math
[leOn's solution](#)

174.

1556B

[Take Your Places!](#) · [Tutorial](#)

Quality: 13,276 global accepts · Rating: 1300 · first AC: 2021-08-29 · C++14 (GCC 6-32) (first AC) · Tags: implementation
[leOn's solution](#)

175.

1521B

[Nastia and a Good Array](#) · [Tutorial](#)

Quality: 22,930 global accepts · Rating: 1300 · first AC: 2021-05-12 · GNU C++11 (first AC) · Tags: constructive algorithms, math, number theory
[leOn's solution](#)

176.

2157C

[Meximum Array 2](#) · [Tutorial](#)

Quality: 9,253 global accepts · Rating: 1400 · first AC: 2025-11-23 · C++23 (GCC 14-64, msys2) (first AC) · Tags: constructive algorithms, greedy, implementation, math
[leOn's solution](#)

177.

1009B

[Minimum Ternary String](#) · [Tutorial](#)

Quality: 10,720 global accepts · Rating: 1400 · first AC: 2025-08-21 · C++23 (GCC 14-64, msys2) (first AC) · Tags: greedy, implementation
[leOn's solution](#)

178.

2066A

[Object Identification](#) · [Tutorial](#)

Quality: 7,173 global accepts · Rating: 1400 · first AC: 2025-02-12 · C++20 (GCC 13-64) (first AC) · Tags: graphs, greedy, implementation, interactive
[leOn's solution](#)

179.

2034C

[Trapped in the Witch's Labyrinth](#) · [Tutorial](#)

Quality: 9,140 global accepts · Rating: 1400 · first AC: 2024-11-30 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, dfs and similar, graphs, implementation
[leOn's solution](#)

180.

2035C

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

Quality: 11,530 global accepts · Rating: 1400 · first AC: 2024-10-27 · C++20 (GCC 13-64) (first AC) · Tags: bitmasks, constructive algorithms, math
[leOn's solution](#)

181.

1965A

[Everything Nim](#) · [Tutorial](#)

Quality: 16,708 global accepts · Rating: 1400 · first AC: 2024-04-27 · C++20 (GCC 13-64) (first AC) · Tags: games, greedy, math, sortings
[leOn's solution](#)

182.

1951C

[Ticket Hoarding](#) · [Tutorial](#)

Quality: 13,772 global accepts · Rating: 1400 · first AC: 2024-04-06 · C++17 (GCC 7-32) (first AC) · Tags: greedy, math, sortings
[leOn's solution](#)

183.

1919C

[Grouping Increases](#) · [Tutorial](#)

Quality: 28,581 global accepts · Rating: 1400 · first AC: 2024-01-06 · C++14 (GCC 6-32) (first AC) · Tags: data structures, dp, greedy
[leOn's solution](#)

184.

1896C

[Matching Arrays](#) · [Tutorial](#)

Quality: 11,599 global accepts · Rating: 1400 · first AC: 2023-11-25 · C++14 (GCC 6-32) (first AC) · Tags: binary search, constructive algorithms, greedy, sortings
[leOn's solution](#)

185.

1893A

[Anonymous Informant](#) · [Tutorial](#)

Quality: 15,082 global accepts · Rating: 1400 · first AC: 2023-11-07 · C++20 (GCC 11-64) (first AC) · Tags: brute force, dfs and similar, graphs, implementation
[leOn's solution](#)

186.

1887A1

[Dances \(Easy version\)](#) · [Tutorial](#)

Rating: 1400 · first AC: 2023-10-22 · C++20 (GCC 11-64) (first AC) · Tags: binary search, greedy, sortings
[leOn's solution](#)

187.

1863D

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

Quality: 10,766 global accepts · Rating: 1400 · first AC: 2023-08-30 · C++20 (GCC 11-64) (first AC) · Tags: constructive algorithms, greedy
[leOn's solution](#)

188.

1854A1

[Dual \(Easy Version\)](#) · [Tutorial](#)

Quality: 15,890 global accepts · Rating: 1400 · first AC: 2023-07-29 · C++20 (GCC 11-64) (first AC) · Tags: constructive algorithms, math
[leOn's solution](#)

189.

1830A

[Copil Copac Draws Trees](#) · [Tutorial](#)

Quality: 20,321 global accepts · Rating: 1400 · first AC: 2023-05-28 · C++20 (GCC 11-64) (first AC) · Tags: dfs and similar, dp, graphs, trees
[leOn's solution](#)

190.

1824A

[LuoTianyi and the Show](#) · [Tutorial](#)

Quality: 12,524 global accepts · Rating: 1400 · first AC: 2023-05-08 · C++20 (GCC 11-64) (first AC) · Tags: greedy, implementation
[leOn's solution](#)

191.

1758C

[Almost All Multiples](#) · [Tutorial](#)

Quality: 15,261 global accepts · Rating: 1400 · first AC: 2022-11-25 · C++14 (GCC 6-32) (first AC) · Tags: greedy, number theory
[leOn's solution](#)

192.

1761C

[Set Construction](#) · [Tutorial](#)

Quality: 10,729 global accepts · Rating: 1400 · first AC: 2022-11-20 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, dfs and similar, graphs, greedy
[leOn's solution](#)

193.

1735C

[Phase Shift](#) · [Tutorial](#)

Quality: 10,933 global accepts · Rating: 1400 · first AC: 2022-10-10 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, dsu, graphs, greedy, implementation, strings
[leOn's solution](#)

194.

151C

[Win or Freeze](#) · [Tutorial](#)

Rating: 1400 · first AC: 2022-06-07 · C++14 (GCC 6-32) (first AC) · Tags: games, greedy, math, number theory
[leOn's solution](#)

195.

1682C

[LIS or Reverse LIS?](#) · [Tutorial](#)

Quality: 16,471 global accepts · Rating: 1400 · first AC: 2022-05-23 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy, implementation, math
[leOn's solution](#)

196.

1679C

[Rooks Defenders](#) · [Tutorial](#)

Quality: 11,732 global accepts · Rating: 1400 · first AC: 2022-05-16 · C++14 (GCC 6-32) (first AC) · Tags: data structures, implementation
[leOn's solution](#)

197.

141B

[Hopscotch](#) · [Tutorial](#)

Quality: 5,789 global accepts · Rating: 1400 · first AC: 2022-05-12 · last AC: 2022-05-12 · C++14 (GCC 6-32) (first AC) · Tags: geometry, math
[leOn's solution](#)

198.

1600J

[Robot Factory](#) · [Tutorial](#)

Quality: 4,417 global accepts · Rating: 1400 · first AC: 2021-10-09 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, dfs and similar
[leOn's solution](#)

199.

1526B

[I Hate 1111](#) · [Tutorial](#)

Quality: 36,734 global accepts · Rating: 1400 · first AC: 2021-06-23 · GNU C++11 (first AC) · Tags: dp, math, number theory
[leOn's solution](#)

200.

2077A

[Breach of Faith](#) · [Tutorial](#)

Quality: 14,582 global accepts · Rating: 1500 · first AC: 2025-03-10 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, greedy, math, sortings
[leOn's solution](#)

201.

1876B

[Effects of Anti Pimples](#) · [Tutorial](#)

Quality: 10,028 global accepts · Rating: 1500 · first AC: 2023-10-08 · C++20 (GCC 11-64) (first AC) · Tags: combinatorics, number theory, sortings
[leOn's solution](#)

202.

1882C

[Card Game](#) · [Tutorial](#)

Quality: 14,463 global accepts · Rating: 1500 · first AC: 2023-09-26 · C++20 (GCC 11-64) (first AC) · Tags: brute force, greedy
[leOn's solution](#)

203.

1242A

[Tile Painting](#) · [Tutorial](#)

Quality: 13,267 global accepts · Rating: 1500 · first AC: 2023-08-28 · C++20 (GCC 11-64) (first AC) · Tags: constructive algorithms, math, number theory
[leOn's solution](#)

204.

1817A

[Almost Increasing Subsequence](#) · [Tutorial](#)

Quality: 12,756 global accepts · Rating: 1500 · first AC: 2023-04-29 · C++20 (GCC 11-64) (first AC) · Tags: binary search, data structures, greedy
[leOn's solution](#)

205.

1774B

[Coloring](#) · [Tutorial](#)

Quality: 13,991 global accepts · Rating: 1500 · first AC: 2022-12-17 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy, math
[leOn's solution](#)

206.

1767D

[Playoff](#) · [Tutorial](#)

Quality: 11,204 global accepts · Rating: 1500 · first AC: 2022-12-16 · C++14 (GCC 6-32) (first AC) · Tags: combinatorics, constructive algorithms, dp, greedy, math
[leOn's solution](#)

207.

1738C

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

Quality: 12,775 global accepts · Rating: 1500 · first AC: 2022-09-30 · C++14 (GCC 6-32) (first AC) · Tags: dp, games, greedy, math

[leOn's solution](#)

208.

1710A

[Color the Picture](#) · [Tutorial](#)

Quality: 11,910 global accepts · Rating: 1500 · first AC: 2022-09-06 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy, math

[leOn's solution](#)

209.

149C

[Division into Teams](#) · [Tutorial](#)

Quality: 5,733 global accepts · Rating: 1500 · first AC: 2022-05-31 · C++14 (GCC 6-32) (first AC) · Tags: greedy, math, sortings

[leOn's solution](#)

210.

148B

[Escape](#) · [Tutorial](#)

Quality: 6,015 global accepts · Rating: 1500 · first AC: 2022-05-25 · C++14 (GCC 6-32) (first AC) · Tags: implementation, math

[leOn's solution](#)

211.

1646C

[Factorials and Powers of Two](#) · [Tutorial](#)

Quality: 19,517 global accepts · Rating: 1500 · first AC: 2022-03-07 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, brute force, constructive algorithms, dp, math

[leOn's solution](#)

212.

1631C

[And Matching](#) · [Tutorial](#)

Rating: 1500 · first AC: 2022-01-27 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, constructive algorithms

[leOn's solution](#)

213.

1614C

[Divan and bitwise operations](#) · [Tutorial](#)

Quality: 11,314 global accepts · Rating: 1500 · first AC: 2021-12-09 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, combinatorics, constructive algorithms, dp, math

[leOn's solution](#)

214.

1379B

[Dubious Cyrpto](#) · [Tutorial](#)

Quality: 13,180 global accepts · Rating: 1500 · first AC: 2021-11-08 · C++14 (GCC 6-32) (first AC) · Tags: binary search, brute force, math, number theory

[leOn's solution](#)

215.

1379A

[Acacius and String](#) · [Tutorial](#)

Quality: 12,328 global accepts · Rating: 1500 · first AC: 2021-11-08 · C++14 (GCC 6-32) (first AC) · Tags: brute force, implementation, strings

[leOn's solution](#)

216.

1440C1

[Binary Table \(Easy Version\)](#) · [Tutorial](#)

Rating: 1500 · first AC: 2021-11-05 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, implementation

[leOn's solution](#)

217.

1562C

[Rings](#) · [Tutorial](#)

Quality: 14,310 global accepts · Rating: 1500 · first AC: 2021-08-27 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, math

[leOn's solution](#)

218.

1526C1

[Potions \(Easy Version\) · Tutorial](#)

Quality: 27,190 global accepts · Rating: 1500 · first AC: 2021-06-23 · GNU C++11 (first AC) · Tags: brute force, data structures, dp, greedy
[leOn's solution](#)

219.

2207C

[Where's My Water? · Tutorial](#)

Quality: 5,445 global accepts · Rating: 1600 · first AC: 2026-03-11 · C++23 (GCC 14-64, msys2) (first AC) · Tags: data structures, divide and conquer, dp, math
[leOn's solution](#)

220.

2207B

[One Night At Freddy's · Tutorial](#)

Quality: 5,810 global accepts · Rating: 1600 · first AC: 2026-03-11 · C++23 (GCC 14-64, msys2) (first AC) · Tags: games, greedy, sortings
[leOn's solution](#)

221.

2157D

[Billion Players Game · Tutorial](#)

Quality: 6,011 global accepts · Rating: 1600 · first AC: 2025-11-23 · C++23 (GCC 14-64, msys2) (first AC) · Tags: binary search, greedy, math, sortings, ternary search, two pointers
[leOn's solution](#)

222.

380A

[Sereja and Prefixes · Tutorial](#)

Quality: 2,911 global accepts · Rating: 1600 · first AC: 2025-08-21 · C++23 (GCC 14-64, msys2) (first AC) · Tags: binary search, brute force
[leOn's solution](#)

223.

2129B

[Stay or Mirror · Tutorial](#)

Quality: 13,268 global accepts · Rating: 1600 · first AC: 2025-07-31 · C++20 (GCC 13-64) (first AC) · Tags: brute force, data structures, dp, greedy, sortings
[leOn's solution](#)

224.

2048D

[Kevin and Competition Memories · Tutorial](#)

Quality: 8,311 global accepts · Rating: 1600 · first AC: 2024-12-19 · C++20 (GCC 13-64) (first AC) · Tags: binary search, brute force, data structures, greedy, sortings, two pointers
[leOn's solution](#)

225.

2034D

[Darius' Wisdom · Tutorial](#)

Quality: 6,606 global accepts · Rating: 1600 · first AC: 2024-11-30 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, greedy, implementation, sortings
[leOn's solution](#)

226.

2018A

[Cards Partition · Tutorial](#)

Quality: 12,618 global accepts · Rating: 1600 · first AC: 2024-09-27 · C++20 (GCC 13-64) (first AC) · Tags: 2-sat, brute force, greedy, implementation, math
[leOn's solution](#)

227.

1336A

[Linova and Kingdom · Tutorial](#)

Quality: 24,667 global accepts · Rating: 1600 · first AC: 2024-04-01 · C++20 (GCC 13-64) (first AC) · Tags: dfs and similar, dp, greedy, sortings, trees
[leOn's solution](#)

228.

1677A

[Tokitsukaze and Strange Inequality](#) · [Tutorial](#)

Quality: 9,355 global accepts · Rating: 1600 · first AC: 2024-03-18 · C++17 (GCC 7-32) (first AC) · Tags: brute force, data structures, dp
[leOn's solution](#)

229.

1801A

[The Very Beautiful Blanket](#) · [Tutorial](#)

Quality: 9,748 global accepts · Rating: 1600 · first AC: 2023-03-09 · C++20 (GCC 11-64) (first AC) · Tags: bitmasks, constructive algorithms
[leOn's solution](#)

230.

1787C

[Remove the Bracket](#) · [Tutorial](#)

Quality: 8,273 global accepts · Rating: 1600 · first AC: 2023-01-29 · C++14 (GCC 6-32) (first AC) · Tags: dp, greedy, math
[leOn's solution](#)

231.

1782C

[Equal Frequencies](#) · [Tutorial](#)

Rating: 1600 · first AC: 2023-01-15 · C++14 (GCC 6-32) (first AC) · Tags: brute force, constructive algorithms, greedy, implementation, sortings, strings
[leOn's solution](#)

232.

1774D

[Same Count One](#) · [Tutorial](#)

Quality: 9,226 global accepts · Rating: 1600 · first AC: 2022-12-17 · C++14 (GCC 6-32) (first AC) · Tags: brute force, constructive algorithms, greedy, implementation, two pointers
[leOn's solution](#)

233.

1707A

[Doremy's IQ](#) · [Tutorial](#)

Quality: 15,446 global accepts · Rating: 1600 · first AC: 2022-11-23 · last AC: 2022-11-23 · C++14 (GCC 6-32) (first AC) · Tags: binary search, constructive algorithms, greedy, implementation
[leOn's solution](#)

234.

1730B

[Meeting on the Line](#) · [Tutorial](#)

Quality: 17,261 global accepts · Rating: 1600 · first AC: 2022-09-26 · C++14 (GCC 6-32) (first AC) · Tags: binary search, geometry, greedy, implementation, math, ternary search
[leOn's solution](#)

235.

1689C

[Infected Tree](#) · [Tutorial](#)

Quality: 13,475 global accepts · Rating: 1600 · first AC: 2022-06-13 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, dp, trees
[leOn's solution](#)

236.

151D

[Quantity of Strings](#) · [Tutorial](#)

Rating: 1600 · first AC: 2022-06-07 · C++14 (GCC 6-32) (first AC) · Tags: combinatorics, dsu, graphs, math
[leOn's solution](#)

237.

1610C

[Keshi Is Throwing a Party](#) · [Tutorial](#)

Quality: 15,623 global accepts · Rating: 1600 · first AC: 2022-06-05 · C++14 (GCC 6-32) (first AC) · Tags: binary search, greedy
[leOn's solution](#)

238.

149B

[Martian Clock](#) · [Tutorial](#)

Quality: 2,390 global accepts · Rating: 1600 · first AC: 2022-05-31 · C++14 (GCC 6-32) (first AC) · Tags: implementation

[leOn's solution](#)

239.

143C

[Help Farmer](#) · [Tutorial](#)

Rating: 1600 · first AC: 2022-05-17 · C++14 (GCC 6-32) (first AC) · Tags: implementation, math

[leOn's solution](#)

240.

1671D

[Insert a Progression](#) · [Tutorial](#)

Quality: 8,459 global accepts · Rating: 1600 · first AC: 2022-04-26 · C++14 (GCC 6-32) (first AC) · Tags: brute force, constructive algorithms, greedy

[leOn's solution](#)

241.

1633D

[Make Them Equal](#) · [Tutorial](#)

Quality: 18,698 global accepts · Rating: 1600 · first AC: 2022-01-31 · C++14 (GCC 6-32) (first AC) · Tags: dp, greedy

[leOn's solution](#)

242.

1615C

[Menorah](#) · [Tutorial](#)

Quality: 9,195 global accepts · Rating: 1600 · first AC: 2021-12-30 · C++14 (GCC 6-32) (first AC) · Tags: brute force, graphs, greedy, math

[leOn's solution](#)

243.

1476C

[Longest Simple Cycle](#) · [Tutorial](#)

Quality: 12,300 global accepts · Rating: 1600 · first AC: 2021-10-11 · C++14 (GCC 6-32) (first AC) · Tags: dp, graphs, greedy

[leOn's solution](#)

244.

1469C

[Building a Fence](#) · [Tutorial](#)

Quality: 11,681 global accepts · Rating: 1600 · first AC: 2021-09-22 · C++14 (GCC 6-32) (first AC) · Tags: dp, greedy, implementation, two pointers

[leOn's solution](#)

245.

1459C

[Row GCD](#) · [Tutorial](#)

Rating: 1600 · first AC: 2021-09-08 · C++14 (GCC 6-32) (first AC) · Tags: math, number theory

[leOn's solution](#)

246.

1526C2

[Potions \(Hard Version\)](#) · [Tutorial](#)

Quality: 29,737 global accepts · Rating: 1600 · first AC: 2021-06-23 · GNU C++11 (first AC) · Tags: data structures, greedy

[leOn's solution](#)

247.

1529C

[Parsa's Humongous Tree](#) · [Tutorial](#)

Rating: 1600 · first AC: 2021-06-16 · GNU C++11 (first AC) · Tags: dfs and similar, dp, graphs, greedy, trees

[leOn's solution](#)

248.

1527C

[Sequence Pair Weight](#) · [Tutorial](#)

Quality: 14,980 global accepts · Rating: 1600 · first AC: 2021-06-02 · GNU C++11 (first AC) · Tags: hashing, implementation, math

[leOn's solution](#)

249.

2039D

[Shohag Loves GCD](#) · [Tutorial](#)

Quality: 6,969 global accepts · Rating: 1700 · first AC: 2024-11-23 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, greedy, math, number theory

[leOn's solution](#)

250.

2029C

[New Rating](#) · [Tutorial](#)

Quality: 7,585 global accepts · Rating: 1700 · first AC: 2024-11-09 · C++20 (GCC 13-64) (first AC) · Tags: binary search, data structures, dp, greedy

[leOn's solution](#)

251.

2023B

[Skipping](#) · [Tutorial](#)

Quality: 7,080 global accepts · Rating: 1700 · first AC: 2024-10-20 · C++20 (GCC 13-64) (first AC) · Tags: binary search, dp, graphs, shortest paths

[leOn's solution](#)

252.

2018C

[Tree Pruning](#) · [Tutorial](#)

Quality: 9,645 global accepts · Rating: 1700 · first AC: 2024-09-27 · C++20 (GCC 13-64) (first AC) · Tags: brute force, dfs and similar, greedy, sortings, trees

[leOn's solution](#)

253.

2006A

[Iris and Game on the Tree](#) · [Tutorial](#)

Quality: 9,370 global accepts · Rating: 1700 · first AC: 2024-08-30 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, dfs and similar, games, graphs, greedy, trees

[leOn's solution](#)

254.

1464A

[Peaceful Rooks](#) · [Tutorial](#)

Rating: 1700 · first AC: 2024-04-24 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, dfs and similar, dsu, graphs

[leOn's solution](#)

255.

1336B

[Xenia and Colorful Gems](#) · [Tutorial](#)

Quality: 12,128 global accepts · Rating: 1700 · first AC: 2024-04-01 · C++20 (GCC 13-64) (first AC) · Tags: binary search, greedy, math, sortings, two pointers

[leOn's solution](#)

256.

1942C2

[Bessie's Birthday Cake \(Hard Version\)](#) · [Tutorial](#)

Quality: 6,874 global accepts · Rating: 1700 · first AC: 2024-03-30 · C++17 (GCC 7-32) (first AC) · Tags: geometry, greedy, math

[leOn's solution](#)

257.

1677B

[Tokitsukaze and Meeting](#) · [Tutorial](#)

Quality: 4,550 global accepts · Rating: 1700 · first AC: 2024-03-18 · C++17 (GCC 7-32) (first AC) · Tags: data structures, implementation, math

[leOn's solution](#)

258.

1936A

[Bitwise Operation Wizard](#) · [Tutorial](#)

Quality: 8,660 global accepts · Rating: 1700 · first AC: 2024-03-11 · C++20 (GCC 11-64) (first AC) · Tags: bitmasks, constructive algorithms,

greedy, interactive, math

[leOn's solution](#)

259.

1930C

[Lexicographically Largest](#) · [Tutorial](#)

Quality: 8,151 global accepts · Rating: 1700 · first AC: 2024-02-17 · C++20 (GCC 11-64) (first AC) · Tags: binary search, constructive algorithms, data structures, greedy, sortings

[leOn's solution](#)

260.

739A

[Alyona and mex](#) · [Tutorial](#)

Quality: 8,455 global accepts · Rating: 1700 · first AC: 2024-01-18 · C++20 (GCC 11-64) (first AC) · Tags: constructive algorithms, greedy

[leOn's solution](#)

261.

1916D

[Mathematical Problem](#) · [Tutorial](#)

Quality: 9,774 global accepts · Rating: 1700 · first AC: 2023-12-30 · C++14 (GCC 6-32) (first AC) · Tags: brute force, constructive algorithms, geometry, math

[leOn's solution](#)

262.

1896D

[Ones and Twos](#) · [Tutorial](#)

Quality: 7,007 global accepts · Rating: 1700 · first AC: 2023-11-25 · C++14 (GCC 6-32) (first AC) · Tags: binary search, data structures, divide and conquer, math, two pointers

[leOn's solution](#)

263.

1893B

[Neutral Tonality](#) · [Tutorial](#)

Quality: 11,462 global accepts · Rating: 1700 · first AC: 2023-11-07 · C++20 (GCC 11-64) (first AC) · Tags: constructive algorithms, greedy, sortings, two pointers

[leOn's solution](#)

264.

1889B

[Doremy's Connecting Plan](#) · [Tutorial](#)

Quality: 8,628 global accepts · Rating: 1700 · first AC: 2023-10-28 · C++20 (GCC 11-64) (first AC) · Tags: constructive algorithms, greedy, math, sortings

[leOn's solution](#)

265.

1868B1

[Candy Party \(Easy Version\)](#) · [Tutorial](#)

Quality: 8,327 global accepts · Rating: 1700 · first AC: 2023-09-11 · C++20 (GCC 11-64) (first AC) · Tags: bitmasks, constructive algorithms, graphs, greedy, implementation, math

[leOn's solution](#)

266.

1864D

[Matrix Cascade](#) · [Tutorial](#)

Quality: 7,640 global accepts · Rating: 1700 · first AC: 2023-08-26 · C++20 (GCC 11-64) (first AC) · Tags: brute force, constructive algorithms, data structures, dp, greedy, math

[leOn's solution](#)

267.

1835A

[k-th equality](#) · [Tutorial](#)

Quality: 8,734 global accepts · Rating: 1700 · first AC: 2023-06-18 · C++20 (GCC 11-64) (first AC) · Tags: brute force, implementation, math

[leOn's solution](#)

268.

1799C

[Double Lexicographically Minimum](#) · [Tutorial](#)

Quality: 6,922 global accepts · Rating: 1700 · first AC: 2023-02-27 · C++17 (GCC 9-64) (first AC) · Tags: greedy, strings

[leOn's solution](#)

269.

1672D

[Cyclic Rotation](#) · [Tutorial](#)

Quality: 6,939 global accepts · Rating: 1700 · first AC: 2022-11-23 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy, implementation, two pointers

[leOn's solution](#)

270.

1693B

[Fake Plastic Trees](#) · [Tutorial](#)

Quality: 9,583 global accepts · Rating: 1700 · first AC: 2022-11-23 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, dp, greedy, trees

[leOn's solution](#)

271.

1684D

[Traps](#) · [Tutorial](#)

Quality: 10,753 global accepts · Rating: 1700 · first AC: 2022-11-21 · last AC: 2022-11-23 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy, sortings

[leOn's solution](#)

272.

1735D

[Meta-set](#) · [Tutorial](#)

Quality: 6,773 global accepts · Rating: 1700 · first AC: 2022-10-10 · C++14 (GCC 6-32) (first AC) · Tags: brute force, combinatorics, data structures, hashing, math

[leOn's solution](#)

273.

1694D

[Fake Plastic Trees](#) · [Tutorial](#)

Rating: 1700 · first AC: 2022-06-20 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, dp, greedy, trees

[leOn's solution](#)

274.

1581C

[Portal](#) · [Tutorial](#)

Rating: 1700 · first AC: 2022-06-06 · C++14 (GCC 6-32) (first AC) · Tags: brute force, dp, greedy, implementation

[leOn's solution](#)

275.

148C

[Terse princess](#) · [Tutorial](#)

Quality: 3,381 global accepts · Rating: 1700 · first AC: 2022-05-25 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy

[leOn's solution](#)

276.

1476D

[Journey](#) · [Tutorial](#)

Quality: 9,238 global accepts · Rating: 1700 · first AC: 2021-10-11 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, dp, dsu, implementation

[leOn's solution](#)

277.

1469D

[Ceil Divisions](#) · [Tutorial](#)

Quality: 10,209 global accepts · Rating: 1700 · first AC: 2021-09-22 · C++14 (GCC 6-32) (first AC) · Tags: brute force, constructive algorithms, math, number theory

[leOn's solution](#)

278.

1529D

[Kavi on Pairing Duty](#) · [Tutorial](#)

Rating: 1700 · first AC: 2021-06-16 · GNU C++11 (first AC) · Tags: combinatorics, dp, math, number theory

[leOn's solution](#)

279.

2081A

[Math Division](#) · [Tutorial](#)

Quality: 4,084 global accepts · Rating: 1800 · first AC: 2025-06-15 · C++20 (GCC 13-64) (first AC) · Tags: bitmasks, dp, math, probabilities

[leOn's solution](#)

280.

2039C2

[Shohag Loves XOR \(Hard Version\)](#) · [Tutorial](#)

Quality: 4,969 global accepts · Rating: 1800 · first AC: 2024-11-23 · C++20 (GCC 13-64) (first AC) · Tags: bitmasks, brute force, math, number theory

[leOn's solution](#)

281.

2035D

[Yet Another Real Number Problem](#) · [Tutorial](#)

Quality: 5,829 global accepts · Rating: 1800 · first AC: 2024-10-27 · C++20 (GCC 13-64) (first AC) · Tags: binary search, data structures, divide and conquer, greedy, implementation, math

[leOn's solution](#)

282.

2006B

[Iris and the Tree](#) · [Tutorial](#)

Quality: 4,357 global accepts · Rating: 1800 · first AC: 2024-08-30 · C++20 (GCC 13-64) (first AC) · Tags: brute force, data structures, dfs and similar, dsu, math, trees

[leOn's solution](#)

283.

1965B

[Missing Subsequence Sum](#) · [Tutorial](#)

Quality: 8,123 global accepts · Rating: 1800 · first AC: 2024-04-27 · C++20 (GCC 13-64) (first AC) · Tags: bitmasks, constructive algorithms, greedy, number theory

[leOn's solution](#)

284.

1930D1

[Sum over all Substrings \(Easy Version\)](#) · [Tutorial](#)

Quality: 4,854 global accepts · Rating: 1800 · first AC: 2024-02-17 · C++20 (GCC 11-64) (first AC) · Tags: brute force, dp, greedy, strings

[leOn's solution](#)

285.

1870D

[Prefix Purchase](#) · [Tutorial](#)

Quality: 8,031 global accepts · Rating: 1800 · first AC: 2023-09-18 · C++20 (GCC 11-64) (first AC) · Tags: greedy, implementation, sortings

[leOn's solution](#)

286.

1852B

[Imbalanced Arrays](#) · [Tutorial](#)

Quality: 5,460 global accepts · Rating: 1800 · first AC: 2023-07-25 · C++20 (GCC 11-64) (first AC) · Tags: constructive algorithms, graphs, greedy, math, sortings, two pointers

[leOn's solution](#)

287.

1852A

[Ntarsis' Set](#) · [Tutorial](#)

Quality: 9,240 global accepts · Rating: 1800 · first AC: 2023-07-25 · C++20 (GCC 11-64) (first AC) · Tags: binary search, math, number theory

[leOn's solution](#)

288.

1824B1

[LuoTianyi and the Floating Islands \(Easy Version\)](#) · [Tutorial](#)

Quality: 6,008 global accepts · Rating: 1800 · first AC: 2023-05-08 · C++20 (GCC 11-64) (first AC) · Tags: combinatorics, math, probabilities, trees

[leOn's solution](#)

289.

1782D

[Many Perfect Squares](#) · [Tutorial](#)

Rating: 1800 · first AC: 2023-01-15 · C++14 (GCC 6-32) (first AC) · Tags: brute force, dp, math, number theory

[leOn's solution](#)

290.

1758D

[Range = " Sum](#)[Tutorial](#)

Quality: 8,475 global accepts · Rating: 1800 · first AC: 2022-11-26 · C++14 (GCC 6-32) (first AC) · Tags: binary search, brute force, constructive algorithms, math, two pointers

[leOn's solution](#)

291.

1718A1

[Burenka and Traditions \(easy version\)](#) · [Tutorial](#)

Quality: 6,418 global accepts · Rating: 1800 · first AC: 2022-09-05 · C++14 (GCC 6-32) (first AC) · Tags: dp, greedy

[leOn's solution](#)

292.

148D

[Bag of mice](#) · [Tutorial](#)

Quality: 8,908 global accepts · Rating: 1800 · first AC: 2022-05-25 · C++14 (GCC 6-32) (first AC) · Tags: dp, games, math, probabilities

[leOn's solution](#)

293.

146D

[Lucky Number 2](#) · [Tutorial](#)

Rating: 1800 · first AC: 2022-05-20 · C++14 (GCC 6-32) (first AC) · Tags: brute force, constructive algorithms, implementation

[leOn's solution](#)

294.

142B

[Help General](#) · [Tutorial](#)

Quality: 2,405 global accepts · Rating: 1800 · first AC: 2022-05-17 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy, implementation

[leOn's solution](#)

295.

143D

[Help General](#) · [Tutorial](#)

Rating: 1800 · first AC: 2022-05-17 · C++14 (GCC 6-32) (first AC) · Tags: graph matchings, greedy, math

[leOn's solution](#)

296.

141C

[Queue](#) · [Tutorial](#)

Quality: 2,726 global accepts · Rating: 1800 · first AC: 2022-05-12 · last AC: 2022-05-12 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy, sortings

[leOn's solution](#)

297.

1442B

[Identify the Operations](#) · [Tutorial](#)

Quality: 5,292 global accepts · Rating: 1800 · first AC: 2022-04-27 · C++14 (GCC 6-32) (first AC) · Tags: combinatorics, data structures, dsu, greedy, implementation

[leOn's solution](#)

298.

1442A

[Extreme Subtraction](#) · [Tutorial](#)

Quality: 9,721 global accepts · Rating: 1800 · first AC: 2022-04-27 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, dp, greedy

[leOn's solution](#)

299.

1637D

[Yet Another Minimization Problem](#) · [Tutorial](#)

Quality: 8,921 global accepts · Rating: 1800 · first AC: 2022-02-14 · C++14 (GCC 6-32) (first AC) · Tags: dp, greedy, math

[leOn's solution](#)

300.

1617D1

[Too Many Impostors \(easy version\)](#) · [Tutorial](#)

Quality: 5,171 global accepts · Rating: 1800 · first AC: 2021-12-23 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, implementation, interactive

[leOn's solution](#)

301.

1556D

[Take a Guess](#) · [Tutorial](#)

Quality: 8,595 global accepts · Rating: 1800 · first AC: 2021-08-29 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, constructive algorithms, interactive, math

[leOn's solution](#)

302.

1556C

[Compressed Bracket Sequence](#) · [Tutorial](#)

Quality: 6,216 global accepts · Rating: 1800 · first AC: 2021-08-29 · C++14 (GCC 6-32) (first AC) · Tags: brute force, implementation

[leOn's solution](#)

303.

1525D

[Armchairs](#) · [Tutorial](#)

Quality: 10,849 global accepts · Rating: 1800 · first AC: 2021-05-26 · GNU C++11 (first AC) · Tags: dp, flows, graph matchings, greedy

[leOn's solution](#)

304.

2157E

[Adjusting Drones](#) · [Tutorial](#)

Quality: 3,571 global accepts · Rating: 1900 · first AC: 2025-11-23 · C++23 (GCC 14-64, msys2) (first AC) · Tags: binary search, brute force, data structures, dp, dsu, greedy, implementation, sortings

[leOn's solution](#)

305.

2129C1

[Interactive RBS \(Easy Version\)](#) · [Tutorial](#)

Quality: 3,860 global accepts · Rating: 1900 · first AC: 2025-07-31 · C++20 (GCC 13-64) (first AC) · Tags: binary search, bitmasks, constructive algorithms, interactive

[leOn's solution](#)

306.

2077B

[Finding OR Sum](#) · [Tutorial](#)

Quality: 3,657 global accepts · Rating: 1900 · first AC: 2025-03-10 · C++20 (GCC 13-64) (first AC) · Tags: bitmasks, constructive algorithms, implementation, interactive, math

[leOn's solution](#)

307.

2066B

[White Magic](#) · [Tutorial](#)

Quality: 5,459 global accepts · Rating: 1900 · first AC: 2025-02-11 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, data structures, dp, greedy, implementation

[leOn's solution](#)

308.

2029D

[Cool Graph](#) · [Tutorial](#)

Quality: 3,926 global accepts · Rating: 1900 · first AC: 2024-11-09 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, data structures, dfs and similar, dsu, graphs, greedy, trees

[leOn's solution](#)

309.

2018B

[Speedbreaker](#) · [Tutorial](#)

Quality: 5,189 global accepts · Rating: 1900 · first AC: 2024-09-27 · C++20 (GCC 13-64) (first AC) · Tags: binary search, data structures, dp, greedy, implementation, two pointers

[leOn's solution](#)

310.

1205B

[Shortest Cycle](#) · [Tutorial](#)

Quality: 7,452 global accepts · Rating: 1900 · first AC: 2024-05-11 · C++20 (GCC 13-64) (first AC) · Tags: bitmasks, brute force, graphs, shortest paths

[leOn's solution](#)

311.

1677C

[Tokitsukaze and Two Colorful Tapes](#) · [Tutorial](#)

Quality: 4,083 global accepts · Rating: 1900 · first AC: 2024-03-18 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, dfs and similar, graphs, greedy

[leOn's solution](#)

312.

739B

[Alyona and a tree](#) · [Tutorial](#)

Quality: 5,120 global accepts · Rating: 1900 · first AC: 2024-01-18 · C++20 (GCC 11-64) (first AC) · Tags: binary search, data structures, dfs and similar, graphs, trees

[leOn's solution](#)

313.

1887B

[Time Travel](#) · [Tutorial](#)

Quality: 3,904 global accepts · Rating: 1900 · first AC: 2023-10-22 · C++20 (GCC 11-64) (first AC) · Tags: binary search, graphs, shortest paths

[leOn's solution](#)

314.

1887A2

[Dances \(Hard Version\)](#) · [Tutorial](#)

Rating: 1900 · first AC: 2023-10-22 · C++20 (GCC 11-64) (first AC) · Tags: binary search, greedy, implementation, sortings

[leOn's solution](#)

315.

1882D

[Tree XOR](#) · [Tutorial](#)

Quality: 7,097 global accepts · Rating: 1900 · first AC: 2023-09-26 · C++20 (GCC 11-64) (first AC) · Tags: bitmasks, dfs and similar, dp, greedy, trees

[leOn's solution](#)

316.

1242B

[0-1 MST](#) · [Tutorial](#)

Quality: 9,246 global accepts · Rating: 1900 · first AC: 2023-08-28 · C++20 (GCC 11-64) (first AC) · Tags: dfs and similar, dsu, graphs, sortings

[leOn's solution](#)

317.

1854A2

[Dual \(Hard Version\)](#) · [Tutorial](#)

Quality: 7,865 global accepts · Rating: 1900 · first AC: 2023-07-29 · last AC: 2023-08-01 · C++20 (GCC 11-64) (first AC) · Tags: constructive algorithms, math

[leOn's solution](#)

318.

1817B

[Fish Graph](#) · [Tutorial](#)

Quality: 5,101 global accepts · Rating: 1900 · first AC: 2023-04-29 · C++20 (GCC 11-64) (first AC) · Tags: brute force, constructive algorithms, dfs and similar, graphs

[leOn's solution](#)

319.

1801C

[Music Festival](#) · [Tutorial](#)

Quality: 4,102 global accepts · Rating: 1900 · first AC: 2023-03-09 · C++20 (GCC 11-64) (first AC) · Tags: binary search, data structures, dp, greedy, sortings

[leOn's solution](#)

320.

149D

[Coloring Brackets](#) · [Tutorial](#)

Quality: 4,611 global accepts · Rating: 1900 · first AC: 2022-05-31 · last AC: 2023-03-05 · C++14 (GCC 6-32) (first AC) · Tags: dp

[leOn's solution](#)

321.

1799D1

[Hot Start Up \(easy version\)](#) · [Tutorial](#)

Quality: 5,804 global accepts · Rating: 1900 · first AC: 2023-02-27 · C++17 (GCC 9-64) (first AC) · Tags: dp

[leOn's solution](#)

322.

1785B

[Letter Exchange](#) · [Tutorial](#)

Rating: 1900 · first AC: 2023-02-05 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, graphs, greedy, implementation

[leOn's solution](#)

323.

1787D

[Game on Axis](#) · [Tutorial](#)

Quality: 3,814 global accepts · Rating: 1900 · first AC: 2023-01-29 · C++14 (GCC 6-32) (first AC) · Tags: combinatorics, dfs and similar, dsu, graphs, implementation

[leOn's solution](#)

324.

1774E

[Two Chess Pieces](#) · [Tutorial](#)

Quality: 3,958 global accepts · Rating: 1900 · first AC: 2022-12-17 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, dp, greedy, trees

[leOn's solution](#)

325.

1707B

[Difference Array](#) · [Tutorial](#)

Quality: 6,401 global accepts · Rating: 1900 · first AC: 2022-11-23 · last AC: 2022-11-23 · C++14 (GCC 6-32) (first AC) · Tags: brute force, data structures, implementation, sortings

[leOn's solution](#)

326.

1718A2

[Burenka and Traditions \(hard version\)](#) · [Tutorial](#)

Quality: 5,911 global accepts · Rating: 1900 · first AC: 2022-09-05 · last AC: 2022-11-23 · C++14 (GCC 6-32) (first AC) · Tags: data structures, dp, greedy

[leOn's solution](#)

327.

1696D

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

Quality: 6,014 global accepts · Rating: 1900 · first AC: 2022-11-21 · last AC: 2022-11-23 · C++14 (GCC 6-32) (first AC) · Tags: binary search, constructive algorithms, data structures, divide and conquer, greedy, shortest paths

[leOn's solution](#)

328.

1746D

[Paths on the Tree](#) · [Tutorial](#)

Quality: 5,115 global accepts · Rating: 1900 · first AC: 2022-10-17 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, dp, greedy, sortings, trees

[leOn's solution](#)

329.

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

[leOn's solution](#)

330.

1717D

[Madoka and The Corruption Scheme](#) · [Tutorial](#)

Quality: 4,863 global accepts · Rating: 1900 · first AC: 2022-09-02 · C++14 (GCC 6-32) (first AC) · Tags: combinatorics, constructive algorithms, greedy, math

[leOn's solution](#)

331.

1689D

[Lena and Matrix](#) · [Tutorial](#)

Quality: 4,744 global accepts · Rating: 1900 · first AC: 2022-06-13 · C++14 (GCC 6-32) (first AC) · Tags: data structures, dp, geometry, shortest paths

[leOn's solution](#)

332.

148E

[Porcelain](#) · [Tutorial](#)

Quality: 4,870 global accepts · Rating: 1900 · first AC: 2022-05-25 · C++14 (GCC 6-32) (first AC) · Tags: dp

[leOn's solution](#)

333.

1679D

[Toss a Coin to Your Graph...](#) · [Tutorial](#)

Quality: 5,814 global accepts · Rating: 1900 · first AC: 2022-05-16 · C++14 (GCC 6-32) (first AC) · Tags: binary search, dfs and similar, dp, graphs

[leOn's solution](#)

334.

1647D

[Madoka and the Best School in Russia](#) · [Tutorial](#)

Quality: 5,701 global accepts · Rating: 1900 · first AC: 2022-03-14 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, dp, math, number theory

[leOn's solution](#)

335.

1591D

[Yet Another Sorting Problem](#) · [Tutorial](#)

Rating: 1900 · first AC: 2021-12-16 · last AC: 2021-12-16 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, data structures, math, sortings

[leOn's solution](#)

336.

1613D

[MEX Sequences](#) · [Tutorial](#)

Quality: 5,305 global accepts · Rating: 1900 · first AC: 2021-12-02 · C++14 (GCC 6-32) (first AC) · Tags: dp, math

[leOn's solution](#)

337.

1207E

[XOR Guessing](#) · [Tutorial](#)

Quality: 6,655 global accepts · Rating: 1900 · first AC: 2021-11-12 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, interactive, math

[leOn's solution](#)

338.

1440C2

[Binary Table \(Hard Version\)](#) · [Tutorial](#)

Rating: 1900 · first AC: 2021-11-05 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, implementation

[leOn's solution](#)

339.

1600E

[Array Game](#) · [Tutorial](#)

Quality: 2,382 global accepts · Rating: 1900 · first AC: 2021-10-09 · C++14 (GCC 6-32) (first AC) · Tags: games, greedy, two pointers
[leOn's solution](#)

340.

1471D

[Strange Definition](#) · [Tutorial](#)

Rating: 1900 · first AC: 2021-09-29 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, graphs, hashing, math, number theory
[leOn's solution](#)

341.

2129C2

[Interactive RBS \(Medium Version\)](#) · [Tutorial](#)

Quality: 2,503 global accepts · Rating: 2000 · first AC: 2025-07-31 · C++20 (GCC 13-64) (first AC) · Tags: binary search, bitmasks, constructive algorithms, interactive
[leOn's solution](#)

342.

2048E

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

Quality: 3,501 global accepts · Rating: 2000 · first AC: 2024-12-19 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, graphs, greedy
[leOn's solution](#)

343.

1951E

[No Palindromes](#) · [Tutorial](#)

Quality: 4,477 global accepts · Rating: 2000 · first AC: 2024-04-06 · C++17 (GCC 7-32) (first AC) · Tags: brute force, constructive algorithms, divide and conquer, greedy, hashing, implementation, math, strings
[leOn's solution](#)

344.

1951D

[Buying Jewels](#) · [Tutorial](#)

Quality: 6,299 global accepts · Rating: 2000 · first AC: 2024-04-06 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, greedy, math
[leOn's solution](#)

345.

1943B

[Non-Palindromic Substring](#) · [Tutorial](#)

Quality: 4,541 global accepts · Rating: 2000 · first AC: 2024-03-16 · C++17 (GCC 7-32) (first AC) · Tags: hashing, implementation, math, strings
[leOn's solution](#)

346.

1936B

[Pinball](#) · [Tutorial](#)

Quality: 3,564 global accepts · Rating: 2000 · first AC: 2024-03-11 · C++20 (GCC 11-64) (first AC) · Tags: binary search, data structures, implementation, math, two pointers
[leOn's solution](#)

347.

1893C

[Freedom of Choice](#) · [Tutorial](#)

Quality: 3,194 global accepts · Rating: 2000 · first AC: 2023-11-07 · C++20 (GCC 11-64) (first AC) · Tags: brute force, greedy, implementation
[leOn's solution](#)

348.

1889C1

[Doremy's Drying Plan \(Easy Version\)](#) · [Tutorial](#)

Quality: 3,910 global accepts · Rating: 2000 · first AC: 2023-10-28 · C++20 (GCC 11-64) (first AC) · Tags: brute force, data structures, dp, greedy, sortings
[leOn's solution](#)

349.

1830B

[The BOSS Can Count Pairs](#) · [Tutorial](#)

Quality: 5,853 global accepts · Rating: 2000 · first AC: 2023-05-28 · C++20 (GCC 11-64) (first AC) · Tags: brute force, math

[leOn's solution](#)

350.

1827B1

[Range Sorting \(Easy Version\)](#) · [Tutorial](#)

Quality: 4,539 global accepts · Rating: 2000 · first AC: 2023-05-14 · C++20 (GCC 11-64) (first AC) · Tags: binary search, dp, dsu, greedy, trees, two pointers

[leOn's solution](#)

351.

1815B

[Sum Graph](#) · [Tutorial](#)

Quality: 3,601 global accepts · Rating: 2000 · first AC: 2023-04-09 · C++14 (GCC 6-32) (first AC) · Tags: brute force, constructive algorithms, graphs, implementation, interactive, shortest paths, trees

[leOn's solution](#)

352.

1718B

[Fibonacci Strings](#) · [Tutorial](#)

Quality: 3,467 global accepts · Rating: 2000 · first AC: 2022-09-05 · last AC: 2022-11-23 · C++14 (GCC 6-32) (first AC) · Tags: greedy, implementation, math, number theory

[leOn's solution](#)

353.

1616D

[Keep the Average High](#) · [Tutorial](#)

Quality: 5,566 global accepts · Rating: 2000 · first AC: 2022-11-21 · last AC: 2022-11-23 · C++14 (GCC 6-32) (first AC) · Tags: dp, greedy, math

[leOn's solution](#)

354.

1726D

[Edge Split](#) · [Tutorial](#)

Quality: 4,162 global accepts · Rating: 2000 · first AC: 2022-09-19 · C++14 (GCC 6-32) (first AC) · Tags: brute force, constructive algorithms, dfs and similar, dsu, graphs, probabilities, trees

[leOn's solution](#)

355.

1610D

[Not Quite Lee](#) · [Tutorial](#)

Quality: 3,039 global accepts · Rating: 2000 · first AC: 2022-06-05 · C++14 (GCC 6-32) (first AC) · Tags: combinatorics, dp, math, number theory

[leOn's solution](#)

356.

1686D

[Linguistics](#) · [Tutorial](#)

Rating: 2000 · first AC: 2022-05-30 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy, sortings, strings, two pointers

[leOn's solution](#)

357.

1682D

[Circular Spanning Tree](#) · [Tutorial](#)

Quality: 3,726 global accepts · Rating: 2000 · first AC: 2022-05-23 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, implementation, trees

[leOn's solution](#)

358.

1638D

[Big Brush](#) · [Tutorial](#)

Quality: 4,736 global accepts · Rating: 2000 · first AC: 2022-02-16 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, data structures, greedy, implementation

[leOn's solution](#)

359.

1613E

[Crazy Robot](#) · [Tutorial](#)

Quality: 5,889 global accepts · Rating: 2000 · first AC: 2021-12-05 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, graphs

[leOn's solution](#)

360.

1379C

[Choosing flowers](#) · [Tutorial](#)

Quality: 6,080 global accepts · Rating: 2000 · first AC: 2021-11-08 · C++14 (GCC 6-32) (first AC) · Tags: binary search, brute force, data structures, dfs and similar, dp, greedy, sortings, two pointers

[leOn's solution](#)

361.

1600I

[Bubble Strike](#) · [Tutorial](#)

Rating: 2000 · first AC: 2021-10-09 · C++14 (GCC 6-32) (first AC) · Tags: binary search, math, probabilities

[leOn's solution](#)

362.

1459D

[Glass Half Spilled](#) · [Tutorial](#)

Rating: 2000 · first AC: 2021-09-08 · C++14 (GCC 6-32) (first AC) · Tags: brute force, dp

[leOn's solution](#)

363.

2207E1

[N-MEX \(Constructive Version\)](#) · [Tutorial](#)

Quality: 1,664 global accepts · Rating: 2100 · first AC: 2026-03-11 · C++23 (GCC 14-64, msys2) (first AC) · Tags: constructive algorithms, greedy

[leOn's solution](#)

364.

899F

[Letters Removing](#) · [Tutorial](#)

Quality: 2,030 global accepts · Rating: 2100 · first AC: 2024-11-29 · C++20 (GCC 13-64) (first AC) · Tags: data structures, strings

[leOn's solution](#)

365.

2029E

[Common Generator](#) · [Tutorial](#)

Quality: 3,536 global accepts · Rating: 2100 · first AC: 2024-11-09 · C++20 (GCC 13-64) (first AC) · Tags: brute force, constructive algorithms, math, number theory

[leOn's solution](#)

366.

1464B

[Grime Zoo](#) · [Tutorial](#)

Rating: 2100 · first AC: 2024-04-24 · C++20 (GCC 13-64) (first AC) · Tags: brute force, data structures, greedy, implementation, ternary search

[leOn's solution](#)

367.

1942D

[Learning to Paint](#) · [Tutorial](#)

Quality: 3,347 global accepts · Rating: 2100 · first AC: 2024-03-30 · C++17 (GCC 7-32) (first AC) · Tags: binary search, data structures, dfs and similar, dp, greedy, implementation, sortings

[leOn's solution](#)

368.

1930D2

[Sum over all Substrings \(Hard Version\)](#) · [Tutorial](#)

Quality: 3,051 global accepts · Rating: 2100 · first AC: 2024-02-17 · C++20 (GCC 11-64) (first AC) · Tags: bitmasks, divide and conquer, dp, dsu, greedy, implementation, strings

[leOn's solution](#)

369.

1919D

[01 Tree](#) · [Tutorial](#)

Quality: 4,570 global accepts · Rating: 2100 · first AC: 2024-01-06 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, data structures, dsu, greedy, sortings, trees

[leOn's solution](#)

370.

1896E

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

Quality: 2,744 global accepts · Rating: 2100 · first AC: 2023-11-25 · C++14 (GCC 6-32) (first AC) · Tags: data structures, sortings

[leOn's solution](#)

371.

1667B

[Optimal Partition](#) · [Tutorial](#)

Quality: 4,321 global accepts · Rating: 2100 · first AC: 2023-10-27 · C++17 (GCC 7-32) (first AC) · Tags: data structures, dp

[leOn's solution](#)

372.

1876C

[Autosynthesis](#) · [Tutorial](#)

Quality: 2,719 global accepts · Rating: 2100 · first AC: 2023-10-08 · C++20 (GCC 11-64) (first AC) · Tags: constructive algorithms, dfs and similar, graphs, greedy, sortings

[leOn's solution](#)

373.

1868B2

[Candy Party \(Hard Version\)](#) · [Tutorial](#)

Quality: 2,752 global accepts · Rating: 2100 · first AC: 2023-09-11 · C++20 (GCC 11-64) (first AC) · Tags: bitmasks, constructive algorithms, dp, greedy, implementation, math

[leOn's solution](#)

374.

1863E

[Speedrun](#) · [Tutorial](#)

Quality: 3,191 global accepts · Rating: 2100 · first AC: 2023-08-30 · C++20 (GCC 11-64) (first AC) · Tags: brute force, dfs and similar, dp, graphs, greedy, math, sortings, two pointers

[leOn's solution](#)

375.

1864E

[Guess Game](#) · [Tutorial](#)

Quality: 3,053 global accepts · Rating: 2100 · first AC: 2023-08-26 · C++20 (GCC 11-64) (first AC) · Tags: bitmasks, data structures, games, math, probabilities, sortings, strings, trees

[leOn's solution](#)

376.

1801D

[The way home](#) · [Tutorial](#)

Quality: 2,863 global accepts · Rating: 2100 · first AC: 2023-03-09 · C++20 (GCC 11-64) (first AC) · Tags: binary search, data structures, dp, graphs, greedy, shortest paths, sortings

[leOn's solution](#)

377.

1799D2

[Hot Start Up \(hard version\)](#) · [Tutorial](#)

Quality: 3,062 global accepts · Rating: 2100 · first AC: 2023-02-27 · C++17 (GCC 9-64) (first AC) · Tags: data structures, dp

[leOn's solution](#)

378.

1767C

[Count Binary Strings](#) · [Tutorial](#)

Quality: 3,034 global accepts · Rating: 2100 · first AC: 2022-12-16 · C++14 (GCC 6-32) (first AC) · Tags: data structures, dp

[leOn's solution](#)

379.

1761D

[Carry Bit](#) · [Tutorial](#)

Quality: 2,767 global accepts · Rating: 2100 · first AC: 2022-11-20 · C++14 (GCC 6-32) (first AC) · Tags: combinatorics, math

[leOn's solution](#)

380.

1710B

[Rain](#) · [Tutorial](#)

Quality: 2,793 global accepts · Rating: 2100 · first AC: 2022-09-06 · C++14 (GCC 6-32) (first AC) · Tags: binary search, brute force, data structures, geometry, greedy, implementation, math

[leOn's solution](#)

381.

631D

[Messenger](#) · [Tutorial](#)

Quality: 2,390 global accepts · Rating: 2100 · first AC: 2022-07-15 · C++14 (GCC 6-32) (first AC) · Tags: data structures, hashing, implementation, string suffix structures, strings

[leOn's solution](#)

382.

146E

[Lucky Subsequence](#) · [Tutorial](#)

Rating: 2100 · first AC: 2022-05-20 · C++14 (GCC 6-32) (first AC) · Tags: combinatorics, dp

[leOn's solution](#)

383.

1637E

[Best Pair](#) · [Tutorial](#)

Quality: 3,795 global accepts · Rating: 2100 · first AC: 2022-02-14 · C++14 (GCC 6-32) (first AC) · Tags: binary search, brute force, implementation

[leOn's solution](#)

384.

1614D1

[Divan and Kostomuksha \(easy version\)](#) · [Tutorial](#)

Quality: 4,479 global accepts · Rating: 2100 · first AC: 2021-12-09 · C++14 (GCC 6-32) (first AC) · Tags: dp, number theory

[leOn's solution](#)

385.

2207D

[Boxed Like a Fish](#) · [Tutorial](#)

Quality: 2,111 global accepts · Rating: 2200 · first AC: 2026-03-11 · C++23 (GCC 14-64, msys2) (first AC) · Tags: dfs and similar, dp, games, shortest paths, trees

[leOn's solution](#)

386.

2034E

[Permutations Harmony](#) · [Tutorial](#)

Quality: 2,019 global accepts · Rating: 2200 · first AC: 2024-11-30 · C++20 (GCC 13-64) (first AC) · Tags: combinatorics, constructive algorithms, greedy, hashing, math

[leOn's solution](#)

387.

2039E

[Shohag Loves Inversions](#) · [Tutorial](#)

Quality: 2,372 global accepts · Rating: 2200 · first AC: 2024-11-23 · C++20 (GCC 13-64) (first AC) · Tags: combinatorics, dp, implementation, math

[leOn's solution](#)

388.

2018D

[Max Plus Min Plus Size](#) · [Tutorial](#)

Quality: 2,192 global accepts · Rating: 2200 · first AC: 2024-09-27 · C++20 (GCC 13-64) (first AC) · Tags: data structures, dp, dsu, greedy, implementation, matrices, sortings

[leOn's solution](#)

389.

1336C

[Kaavi and Magic Spell](#) · [Tutorial](#)

Quality: 4,085 global accepts · Rating: 2200 · first AC: 2024-04-01 · C++20 (GCC 13-64) (first AC) · Tags: dp, strings

[leOn's solution](#)

390.

1854B

[Earn or Unlock](#) · [Tutorial](#)

Quality: 4,227 global accepts · Rating: 2200 · first AC: 2023-07-31 · last AC: 2023-08-01 · C++20 (GCC 11-64) (first AC) · Tags: bitmasks, brute force, dp

[leOn's solution](#)

391.

387D

[George and Interesting Graph](#) · [Tutorial](#)

Quality: 1,169 global accepts · Rating: 2200 · first AC: 2023-06-14 · C++20 (GCC 11-64) (first AC) · Tags: graph matchings

[leOn's solution](#)

392.

1837E

[Playoff Fixing](#) · [Tutorial](#)

Quality: 2,520 global accepts · Rating: 2200 · first AC: 2023-05-26 · C++20 (GCC 11-64) (first AC) · Tags: combinatorics, trees

[leOn's solution](#)

393.

1785C

[Monsters \(hard version\)](#) · [Tutorial](#)

Rating: 2200 · first AC: 2023-02-05 · C++14 (GCC 6-32) (first AC) · Tags: data structures, greedy, implementation

[leOn's solution](#)

394.

1656E

[Equal Tree Sums](#) · [Tutorial](#)

Quality: 3,861 global accepts · Rating: 2200 · first AC: 2022-11-25 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, dfs and similar, math, trees

[leOn's solution](#)

395.

1415E

[New Game Plus!](#) · [Tutorial](#)

Quality: 3,002 global accepts · Rating: 2200 · first AC: 2022-11-23 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy, math

[leOn's solution](#)

396.

1730D

[Prefixes and Suffixes](#) · [Tutorial](#)

Quality: 3,023 global accepts · Rating: 2200 · first AC: 2022-09-26 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, strings, two pointers

[leOn's solution](#)

397.

1717E

[Madoka and The Best University](#) · [Tutorial](#)

Quality: 3,403 global accepts · Rating: 2200 · first AC: 2022-09-02 · C++14 (GCC 6-32) (first AC) · Tags: math, number theory

[leOn's solution](#)

398.

151E

[Smart Cheater](#) · [Tutorial](#)

Rating: 2200 · first AC: 2022-06-07 · C++14 (GCC 6-32) (first AC) · Tags: math, probabilities

[leOn's solution](#)

399.

1630C

[Paint the Middle](#) · [Tutorial](#)

Quality: 3,325 global accepts · Rating: 2200 · first AC: 2022-03-16 · C++14 (GCC 6-32) (first AC) · Tags: dp, greedy, sortings, two pointers
[leOn's solution](#)

400.

1642E

[Anonymity Is Important](#) · [Tutorial](#)

Rating: 2200 · first AC: 2022-02-28 · C++14 (GCC 6-32) (first AC) · Tags: binary search, data structures, sortings
[leOn's solution](#)

401.

1615D

[X\(or\)-mas Tree](#) · [Tutorial](#)

Quality: 2,134 global accepts · Rating: 2200 · first AC: 2021-12-30 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, dfs and similar, dsu, graphs, trees
[leOn's solution](#)

402.

559C

[Gerald and Giant Chess](#) · [Tutorial](#)

Quality: 8,095 global accepts · Rating: 2200 · first AC: 2021-10-07 · C++14 (GCC 6-32) (first AC) · Tags: combinatorics, dp, math, number theory
[leOn's solution](#)

403.

2077C

[Binary Subsequence Value Sum](#) · [Tutorial](#)

Quality: 2,379 global accepts · Rating: 2300 · first AC: 2025-03-10 · C++20 (GCC 13-64) (first AC) · Tags: combinatorics, data structures, dp, fft, math, matrices
[leOn's solution](#)

404.

1310D

[Tourism](#) · [Tutorial](#)

Quality: 1,997 global accepts · Rating: 2300 · first AC: 2025-02-19 · C++20 (GCC 13-64) (first AC) · Tags: dp, graphs, probabilities
[leOn's solution](#)

405.

2066C

[Bitwise Slides](#) · [Tutorial](#)

Quality: 2,523 global accepts · Rating: 2300 · first AC: 2025-02-11 · C++20 (GCC 13-64) (first AC) · Tags: bitmasks, combinatorics, dp, math
[leOn's solution](#)

406.

2035E

[Monster](#) · [Tutorial](#)

Quality: 1,965 global accepts · Rating: 2300 · first AC: 2024-10-27 · C++20 (GCC 13-64) (first AC) · Tags: binary search, brute force, constructive algorithms, greedy, implementation, math, ternary search
[leOn's solution](#)

407.

1534E

[Lost Array](#) · [Tutorial](#)

Quality: 2,078 global accepts · Rating: 2300 · first AC: 2024-10-18 · last AC: 2024-10-18 · C++20 (GCC 13-64) (first AC) · Tags: graphs, greedy, interactive, shortest paths
[leOn's solution](#)

408.

2006C

[Eri and Expanded Sets](#) · [Tutorial](#)

Quality: 2,074 global accepts · Rating: 2300 · first AC: 2024-08-30 · C++20 (GCC 13-64) (first AC) · Tags: data structures, divide and conquer, math, number theory, two pointers
[leOn's solution](#)

409.

1965C

[Folding Strip](#) · [Tutorial](#)

Quality: 2,353 global accepts · Rating: 2300 · first AC: 2024-04-27 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, greedy, strings

[leOn's solution](#)

410.

1464C

[Poman Numbers](#) · [Tutorial](#)

Rating: 2300 · first AC: 2024-04-24 · C++20 (GCC 13-64) (first AC) · Tags: bitmasks, constructive algorithms, dp, greedy, math

[leOn's solution](#)

411.

1942E

[Farm Game](#) · [Tutorial](#)

Quality: 1,957 global accepts · Rating: 2300 · first AC: 2024-03-30 · C++17 (GCC 7-32) (first AC) · Tags: combinatorics, games

[leOn's solution](#)

412.

1943C

[Tree Compass](#) · [Tutorial](#)

Quality: 2,600 global accepts · Rating: 2300 · first AC: 2024-03-17 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, dfs and similar, greedy, trees

[leOn's solution](#)

413.

1919F1

[Wine Factory \(Easy Version\)](#) · [Tutorial](#)

Quality: 2,581 global accepts · Rating: 2300 · first AC: 2024-01-06 · C++14 (GCC 6-32) (first AC) · Tags: data structures, greedy

[leOn's solution](#)

414.

1916E

[Happy Life in University](#) · [Tutorial](#)

Quality: 2,638 global accepts · Rating: 2300 · first AC: 2023-12-30 · last AC: 2024-01-03 · C++14 (GCC 6-32) (first AC) · Tags: data structures, dfs and similar, greedy, trees

[leOn's solution](#)

415.

573C

[Bear and Drawing](#) · [Tutorial](#)

Quality: 1,040 global accepts · Rating: 2300 · first AC: 2023-11-23 · last AC: 2023-11-23 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, dfs and similar, trees

[leOn's solution](#)

416.

1188B

[Count Pairs](#) · [Tutorial](#)

Quality: 5,169 global accepts · Rating: 2300 · first AC: 2023-10-27 · C++20 (GCC 11-64) (first AC) · Tags: math, matrices, number theory, two pointers

[leOn's solution](#)

417.

1198D

[Rectangle Painting 1](#) · [Tutorial](#)

Quality: 3,744 global accepts · Rating: 2300 · first AC: 2023-10-11 · C++20 (GCC 11-64) (first AC) · Tags: dp

[leOn's solution](#)

418.

1874C

[Jellyfish and EVA](#) · [Tutorial](#)

Quality: 2,195 global accepts · Rating: 2300 · first AC: 2023-09-30 · C++20 (GCC 11-64) (first AC) · Tags: dp, graphs, greedy, math, probabilities

[leOn's solution](#)

419.

1870E

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

Quality: 2,962 global accepts · Rating: 2300 · first AC: 2023-09-18 · C++20 (GCC 11-64) (first AC) · Tags: bitmasks, brute force, dp, shortest

paths

[leOn's solution](#)

420.

1864F

[Exotic Queries](#) · [Tutorial](#)

Quality: 1,639 global accepts · Rating: 2300 · first AC: 2023-08-26 · C++20 (GCC 11-64) (first AC) · Tags: data structures, implementation, sortings

[leOn's solution](#)

421.

1834E

[MEX of LCM](#) · [Tutorial](#)

Quality: 2,773 global accepts · Rating: 2300 · first AC: 2023-06-18 · C++20 (GCC 11-64) (first AC) · Tags: binary search, data structures, implementation, math, number theory

[leOn's solution](#)

422.

1824B2

[LuoTianyi and the Floating Islands \(Hard Version\)](#) · [Tutorial](#)

Quality: 3,361 global accepts · Rating: 2300 · first AC: 2023-05-08 · C++20 (GCC 11-64) (first AC) · Tags: combinatorics, dfs and similar, math, probabilities, trees

[leOn's solution](#)

423.

1799E

[City Union](#) · [Tutorial](#)

Quality: 1,401 global accepts · Rating: 2300 · first AC: 2023-02-27 · C++20 (GCC 11-64) (first AC) · Tags: constructive algorithms, dfs and similar, dsu, geometry, greedy, implementation, math

[leOn's solution](#)

424.

1782E

[Rectangle Shrinking](#) · [Tutorial](#)

Rating: 2300 · first AC: 2023-01-15 · C++14 (GCC 6-32) (first AC) · Tags: brute force, data structures, greedy, implementation, sortings

[leOn's solution](#)

425.

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

[leOn's solution](#)

426.

1694E

[Keshi in Search of AmShZ](#) · [Tutorial](#)

Rating: 2300 · first AC: 2022-06-20 · C++14 (GCC 6-32) (first AC) · Tags: shortest paths

[leOn's solution](#)

427.

1610E

[AmShZ and G.O.A.T.](#) · [Tutorial](#)

Quality: 1,923 global accepts · Rating: 2300 · first AC: 2022-06-05 · last AC: 2022-06-05 · C++14 (GCC 6-32) (first AC) · Tags: binary search, brute force, greedy, implementation, math

[leOn's solution](#)

428.

149E

[Martian Strings](#) · [Tutorial](#)

Quality: 2,516 global accepts · Rating: 2300 · first AC: 2022-05-31 · C++14 (GCC 6-32) (first AC) · Tags: string suffix structures, strings

[leOn's solution](#)

429.

142C

[Help Caretaker](#) · [Tutorial](#)

Quality: 997 global accepts · Rating: 2300 · first AC: 2022-05-17 · C++14 (GCC 6-32) (first AC) · Tags: brute force, dp

[leOn's solution](#)

430.

143E

[Help Caretaker](#) · [Tutorial](#)

Quality: 2300 · first AC: 2022-05-17 · C++14 (GCC 6-32) (first AC) · Tags: —

[leOn's solution](#)

431.

141E

[Clearing Up](#) · [Tutorial](#)

Quality: 1,366 global accepts · Rating: 2300 · first AC: 2022-05-12 · last AC: 2022-05-12 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, dp, dsu, graphs

[leOn's solution](#)

432.

141D

[Take-off Ramps](#) · [Tutorial](#)

Quality: 1,212 global accepts · Rating: 2300 · first AC: 2022-05-12 · C++14 (GCC 6-32) (first AC) · Tags: graphs, shortest paths

[leOn's solution](#)

433.

460D

[Little Victor and Set](#) · [Tutorial](#)

Quality: 1,036 global accepts · Rating: 2300 · first AC: 2022-04-11 · C++14 (GCC 6-32) (first AC) · Tags: brute force, constructive algorithms, math

[leOn's solution](#)

434.

1614D2

[Divan and Kostomuksha \(hard version\)](#) · [Tutorial](#)

Quality: 2,743 global accepts · Rating: 2300 · first AC: 2021-12-09 · C++14 (GCC 6-32) (first AC) · Tags: dp, number theory

[leOn's solution](#)

435.

915G

[Coprime Arrays](#) · [Tutorial](#)

Quality: 1,454 global accepts · Rating: 2300 · first AC: 2021-11-19 · C++14 (GCC 6-32) (first AC) · Tags: math, number theory

[leOn's solution](#)

436.

1380E

[Merging Towers](#) · [Tutorial](#)

Quality: 2,409 global accepts · Rating: 2300 · first AC: 2021-11-13 · C++14 (GCC 6-32) (first AC) · Tags: data structures, dsu, implementation, trees

[leOn's solution](#)

437.

1379D

[New Passenger Trams](#) · [Tutorial](#)

Quality: 1,150 global accepts · Rating: 2300 · first AC: 2021-11-09 · C++14 (GCC 6-32) (first AC) · Tags: binary search, brute force, data structures, sortings, two pointers

[leOn's solution](#)

438.

438D

[The Child and Sequence](#) · [Tutorial](#)

Quality: 11,602 global accepts · Rating: 2300 · first AC: 2021-08-21 · C++14 (GCC 6-32) (first AC) · Tags: data structures, math

[leOn's solution](#)

439.

558E

[A Simple Task](#) · [Tutorial](#)

Quality: 7,402 global accepts · Rating: 2300 · first AC: 2021-08-21 · C++14 (GCC 6-32) (first AC) · Tags: data structures, sortings, strings

[leOn's solution](#)

440.

300E

[Empire Strikes Back](#) · [Tutorial](#)

Quality: 1,105 global accepts · Rating: 2300 · first AC: 2021-05-06 · last AC: 2021-05-06 · GNU C++11 (first AC) · Tags: binary search, math, number theory

[leOn's solution](#)

441.

2207E2

[N-MEX \(Counting Version\)](#) · [Tutorial](#)

Quality: 862 global accepts · Rating: 2400 · first AC: 2026-03-11 · C++23 (GCC 14-64, msys2) (first AC) · Tags: combinatorics, constructive algorithms, math

[leOn's solution](#)

442.

2041F

[Segmentation Folds](#) · [Tutorial](#)

Quality: 508 global accepts · Rating: 2400 · first AC: 2026-01-20 · C++23 (GCC 14-64, msys2) (first AC) · Tags: brute force, dfs and similar, number theory

[leOn's solution](#)

443.

2157F

[Git Gud](#) · [Tutorial](#)

Quality: 1,292 global accepts · Rating: 2400 · first AC: 2025-11-23 · C++23 (GCC 14-64, msys2) (first AC) · Tags: brute force, constructive algorithms, divide and conquer, math, ternary search

[leOn's solution](#)

444.

2066D1

[Club of Young Aircraft Builders \(easy version\)](#) · [Tutorial](#)

Quality: 1,441 global accepts · Rating: 2400 · first AC: 2025-02-11 · C++20 (GCC 13-64) (first AC) · Tags: combinatorics, dp, math

[leOn's solution](#)

445.

2023C

[C+K+S](#) · [Tutorial](#)

Quality: 1,376 global accepts · Rating: 2400 · first AC: 2024-10-20 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, dfs and similar, graphs, greedy, hashing, implementation, strings

[leOn's solution](#)

446.

1205C

[Palindromic Paths](#) · [Tutorial](#)

Quality: 1,263 global accepts · Rating: 2400 · first AC: 2024-05-11 · last AC: 2024-05-11 · C++20 (GCC 13-64) (first AC) · Tags: implementation, interactive

[leOn's solution](#)

447.

1943D1

[Counting Is Fun \(Easy Version\)](#) · [Tutorial](#)

Quality: 1,951 global accepts · Rating: 2400 · first AC: 2024-03-16 · C++17 (GCC 7-32) (first AC) · Tags: brute force, combinatorics, dp, math

[leOn's solution](#)

448.

1936C

[Pokémon Arena](#) · [Tutorial](#)

Quality: 1,728 global accepts · Rating: 2400 · first AC: 2024-03-11 · C++20 (GCC 11-64) (first AC) · Tags: data structures, graphs, greedy, implementation, shortest paths, sortings

[leOn's solution](#)

449.

1930E

[2..3...4.... Wonderful! Wonderful!](#) · [Tutorial](#)

Quality: 1,468 global accepts · Rating: 2400 · first AC: 2024-02-17 · C++20 (GCC 11-64) (first AC) · Tags: combinatorics, dp, math

[leOn's solution](#)

450.

1442C

[Graph Transpositions](#) · [Tutorial](#)

Quality: 2,004 global accepts · Rating: 2400 · first AC: 2022-04-27 · last AC: 2023-12-14 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, graphs, greedy, shortest paths

[leOn's solution](#)

451.

1667C

[Half Queen Cover](#) · [Tutorial](#)

Quality: 1,907 global accepts · Rating: 2400 · first AC: 2023-10-27 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, math

[leOn's solution](#)

452.

1887C

[Minimum Array](#) · [Tutorial](#)

Quality: 2,283 global accepts · Rating: 2400 · first AC: 2023-10-23 · C++17 (GCC 7-32) (first AC) · Tags: binary search, brute force, constructive algorithms, data structures, greedy, hashing, two pointers

[leOn's solution](#)

453.

1874B

[Jellyfish and Math](#) · [Tutorial](#)

Quality: 1,392 global accepts · Rating: 2400 · first AC: 2023-09-30 · C++20 (GCC 11-64) (first AC) · Tags: bitmasks, brute force, dfs and similar, dp, graphs, shortest paths

[leOn's solution](#)

454.

1868C

[Travel Plan](#) · [Tutorial](#)

Quality: 1,375 global accepts · Rating: 2400 · first AC: 2023-09-11 · C++20 (GCC 11-64) (first AC) · Tags: combinatorics, dp, implementation, math, trees

[leOn's solution](#)

455.

1242C

[Sum Balance](#) · [Tutorial](#)

Quality: 1,948 global accepts · Rating: 2400 · first AC: 2023-08-28 · C++20 (GCC 11-64) (first AC) · Tags: bitmasks, dfs and similar, dp, graphs

[leOn's solution](#)

456.

1848F

[Vika and Wiki](#) · [Tutorial](#)

Quality: 2,036 global accepts · Rating: 2400 · first AC: 2023-07-31 · last AC: 2023-08-01 · C++20 (GCC 11-64) (first AC) · Tags: binary search, bitmasks, combinatorics, divide and conquer, dp, math

[leOn's solution](#)

457.

1852C

[Ina of the Mountain](#) · [Tutorial](#)

Quality: 2,098 global accepts · Rating: 2400 · first AC: 2023-07-31 · last AC: 2023-08-01 · C++20 (GCC 11-64) (first AC) · Tags: data structures, dp, greedy, math

[leOn's solution](#)

458.

1830C

[Hyperregular Bracket Strings](#) · [Tutorial](#)

Quality: 2,189 global accepts · Rating: 2400 · first AC: 2023-05-29 · C++20 (GCC 11-64) (first AC) · Tags: combinatorics, greedy, hashing, math, number theory, sortings

[leOn's solution](#)

459.

1780G

[Delicious Dessert](#) · [Tutorial](#)

Quality: 994 global accepts · Rating: 2400 · first AC: 2023-05-27 · C++20 (GCC 11-64) (first AC) · Tags: binary search, dsu, hashing, math, number theory, string suffix structures

[leOn's solution](#)

460.

1837F

[Editorial for Two](#) · [Tutorial](#)

Quality: 2,668 global accepts · Rating: 2400 · first AC: 2023-05-26 · C++20 (GCC 11-64) (first AC) · Tags: binary search, data structures, greedy, implementation

[leOn's solution](#)

461.

1827B2

[Range Sorting \(Hard Version\)](#) · [Tutorial](#)

Quality: 2,316 global accepts · Rating: 2400 · first AC: 2023-05-14 · C++20 (GCC 11-64) (first AC) · Tags: binary search, data structures, dp, greedy

[leOn's solution](#)

462.

1817C

[Similar Polynomials](#) · [Tutorial](#)

Quality: 1,227 global accepts · Rating: 2400 · first AC: 2023-04-29 · C++20 (GCC 11-64) (first AC) · Tags: combinatorics, math

[leOn's solution](#)

463.

749E

[Inversions After Shuffle](#) · [Tutorial](#)

Quality: 1,256 global accepts · Rating: 2400 · first AC: 2023-04-21 · last AC: 2023-04-21 · C++14 (GCC 6-32) (first AC) · Tags: data structures, probabilities

[leOn's solution](#)

464.

1785D

[Wooden Spoon](#) · [Tutorial](#)

Rating: 2400 · first AC: 2023-02-05 · C++14 (GCC 6-32) (first AC) · Tags: combinatorics, dp, fft, math

[leOn's solution](#)

465.

1774F1

[Magician and Pigs \(Easy Version\)](#) · [Tutorial](#)

Quality: 1,243 global accepts · Rating: 2400 · first AC: 2022-12-18 · C++14 (GCC 6-32) (first AC) · Tags: brute force, data structures, implementation

[leOn's solution](#)

466.

1408E

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

Quality: 2,184 global accepts · Rating: 2400 · first AC: 2022-11-23 · C++14 (GCC 6-32) (first AC) · Tags: data structures, dsu, graphs, greedy, sortings, trees

[leOn's solution](#)

467.

1673F

[Anti-Theft Road Planning](#) · [Tutorial](#)

Quality: 960 global accepts · Rating: 2400 · first AC: 2022-11-23 · last AC: 2022-11-23 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, constructive algorithms, divide and conquer, greedy, interactive, math

[leOn's solution](#)

468.

1720D2

[Xor-Subsequence \(hard version\)](#) · [Tutorial](#)

Quality: 2,198 global accepts · Rating: 2400 · first AC: 2022-11-23 · last AC: 2022-11-23 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, data structures, dp, strings, trees

[leOn's solution](#)

469.

1761E

[Make It Connected](#) · [Tutorial](#)

Quality: 2,148 global accepts · Rating: 2400 · first AC: 2022-11-20 · C++14 (GCC 6-32) (first AC) · Tags: binary search, brute force, constructive algorithms, dsu, graphs, greedy, matrices, trees, two pointers

[leOn's solution](#)

470.

1739E

[Cleaning Robot](#) · [Tutorial](#)

Quality: 1,461 global accepts · Rating: 2400 · first AC: 2022-11-09 · last AC: 2022-11-09 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, dp

[leOn's solution](#)

471.

1749E

[Cactus Wall](#) · [Tutorial](#)

Quality: 2,074 global accepts · Rating: 2400 · first AC: 2022-11-09 · last AC: 2022-11-09 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, dfs and similar, graphs, shortest paths

[leOn's solution](#)

472.

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

[leOn's solution](#)

473.

1608D

[Dominoes](#) · [Tutorial](#)

Quality: 1,558 global accepts · Rating: 2400 · first AC: 2022-09-27 · C++14 (GCC 6-32) (first AC) · Tags: combinatorics, fft, graphs, math, number theory

[leOn's solution](#)

474.

1726E

[Almost Perfect](#) · [Tutorial](#)

Quality: 1,716 global accepts · Rating: 2400 · first AC: 2022-09-19 · C++14 (GCC 6-32) (first AC) · Tags: combinatorics, fft, math

[leOn's solution](#)

475.

1630D

[Flipping Range](#) · [Tutorial](#)

Quality: 1,993 global accepts · Rating: 2400 · first AC: 2022-03-10 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, dp, greedy, number theory

[leOn's solution](#)

476.

1638E

[Colorful Operations](#) · [Tutorial](#)

Quality: 2,364 global accepts · Rating: 2400 · first AC: 2022-02-24 · C++14 (GCC 6-32) (first AC) · Tags: brute force, data structures, implementation

[leOn's solution](#)

477.

1591F

[Non-equal Neighbours](#) · [Tutorial](#)

Rating: 2400 · first AC: 2021-12-16 · C++14 (GCC 6-32) (first AC) · Tags: combinatorics, data structures, dp, math

[leOn's solution](#)

478.

915F

[Imbalance Value of a Tree](#) · [Tutorial](#)

Quality: 3,052 global accepts · Rating: 2400 · first AC: 2021-11-22 · C++14 (GCC 6-32) (first AC) · Tags: data structures, dsu, graphs, trees

[leOn's solution](#)

479.

1469E

[A Bit Similar](#) · [Tutorial](#)

Quality: 2,200 global accepts · Rating: 2400 · first AC: 2021-09-23 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, brute force, hashing, string suffix structures, strings, two pointers

[leOn's solution](#)

480.

1202E

[You Are Given Some Strings...](#) · [Tutorial](#)

Quality: 2,765 global accepts · Rating: 2400 · first AC: 2021-07-24 · GNU C++11 (first AC) · Tags: brute force, string suffix structures, strings

[leOn's solution](#)

481.

1527D

[MEX Tree](#) · [Tutorial](#)

Quality: 2,289 global accepts · Rating: 2400 · first AC: 2021-06-02 · GNU C++11 (first AC) · Tags: combinatorics, dfs and similar, implementation, math, trees

[leOn's solution](#)

482.

2081B

[Balancing](#) · [Tutorial](#)

Quality: 998 global accepts · Rating: 2500 · first AC: 2025-06-15 · C++20 (GCC 13-64) (first AC) · Tags: greedy

[leOn's solution](#)

483.

2048F

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

Quality: 1,318 global accepts · Rating: 2500 · first AC: 2024-12-19 · C++20 (GCC 13-64) (first AC) · Tags: brute force, data structures, divide and conquer, dp, implementation, math, trees

[leOn's solution](#)

484.

2034F1

[Khayyam's Royal Decree \(Easy Version\)](#) · [Tutorial](#)

Quality: 891 global accepts · Rating: 2500 · first AC: 2024-11-30 · C++20 (GCC 13-64) (first AC) · Tags: combinatorics, dp, math, sortings

[leOn's solution](#)

485.

2029F

[Palindrome Everywhere](#) · [Tutorial](#)

Quality: 851 global accepts · Rating: 2500 · first AC: 2024-11-09 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, graphs, greedy

[leOn's solution](#)

486.

2035F

[Tree Operations](#) · [Tutorial](#)

Quality: 1,102 global accepts · Rating: 2500 · first AC: 2024-10-27 · C++20 (GCC 13-64) (first AC) · Tags: binary search, brute force, dfs and similar, dp, trees

[leOn's solution](#)

487.

1951F

[Inversion Composition](#) · [Tutorial](#)

Quality: 963 global accepts · Rating: 2500 · first AC: 2024-04-06 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, data structures, greedy

[leOn's solution](#)

488.

1677D

[Tokitsukaze and Permutations](#) · [Tutorial](#)

Quality: 1,459 global accepts · Rating: 2500 · first AC: 2024-03-18 · C++17 (GCC 7-32) (first AC) · Tags: dp, math

[leOn's solution](#)

489.

739C

[Alyona and towers](#) · [Tutorial](#)

Quality: 1,709 global accepts · Rating: 2500 · first AC: 2024-01-18 · C++20 (GCC 11-64) (first AC) · Tags: data structures

[leOn's solution](#)

490.

1687C

[Sanae and Giant Robot](#) · [Tutorial](#)

Quality: 1,688 global accepts · Rating: 2500 · first AC: 2024-01-03 · last AC: 2024-01-03 · C++14 (GCC 6-32) (first AC) · Tags: binary search, brute force, data structures, dsu, greedy, sortings

[leOn's solution](#)

491.

1845E

[Boxes and Balls](#) · [Tutorial](#)

Quality: 1,605 global accepts · Rating: 2500 · first AC: 2023-09-13 · last AC: 2023-09-18 · C++20 (GCC 11-64) (first AC) · Tags: dp, implementation, math

[leOn's solution](#)

492.

1146F

[Leaf Partition](#) · [Tutorial](#)

Quality: 1,337 global accepts · Rating: 2500 · first AC: 2023-08-06 · last AC: 2023-08-06 · C++20 (GCC 11-64) (first AC) · Tags: dp, trees

[leOn's solution](#)

493.

1854C

[Expected Destruction](#) · [Tutorial](#)

Quality: 1,788 global accepts · Rating: 2500 · first AC: 2023-07-31 · last AC: 2023-08-01 · C++20 (GCC 11-64) (first AC) · Tags: combinatorics, dp, math, probabilities

[leOn's solution](#)

494.

1842F

[Tenzing and Tree](#) · [Tutorial](#)

Quality: 1,809 global accepts · Rating: 2500 · first AC: 2023-08-01 · last AC: 2023-08-01 · C++20 (GCC 11-64) (first AC) · Tags: dfs and similar, greedy, shortest paths, sortings, trees

[leOn's solution](#)

495.

1835B

[Lottery](#) · [Tutorial](#)

Quality: 1,089 global accepts · Rating: 2500 · first AC: 2023-06-18 · C++20 (GCC 11-64) (first AC) · Tags: binary search, brute force, greedy, math, two pointers

[leOn's solution](#)

496.

1834F

[Typewriter](#) · [Tutorial](#)

Quality: 663 global accepts · Rating: 2500 · first AC: 2023-06-18 · C++20 (GCC 11-64) (first AC) · Tags: brute force, math

[leOn's solution](#)

497.

580E

[Kefa and Watch](#) · [Tutorial](#)

Quality: 2,572 global accepts · Rating: 2500 · first AC: 2023-05-29 · last AC: 2023-05-29 · C++20 (GCC 11-64) (first AC) · Tags: data structures, hashing, strings

[leOn's solution](#)

498.

1583F

[Defender of Childhood Dreams](#) · [Tutorial](#)

Quality: 1,536 global accepts · Rating: 2500 · first AC: 2023-02-13 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, constructive algorithms, divide and conquer

[leOn's solution](#)

499.

1767E

[Algebra Flash](#) · [Tutorial](#)

Quality: 1,255 global accepts · Rating: 2500 · first AC: 2022-12-16 · last AC: 2023-02-08 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, brute force, dp, graphs, math, meet-in-the-middle, trees

[leOn's solution](#)

500.

1787F

[Inverse Transformation](#) · [Tutorial](#)

Quality: 800 global accepts · Rating: 2500 · first AC: 2023-01-29 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, implementation, math

[leOn's solution](#)

501.

1236E

[Alice and the Unfair Game](#) · [Tutorial](#)

Quality: 731 global accepts · Rating: 2500 · first AC: 2022-12-03 · C++14 (GCC 6-32) (first AC) · Tags: binary search, data structures, dp, dsu

[leOn's solution](#)

502.

1572B

[Xor of 3](#) · [Tutorial](#)

Quality: 2,010 global accepts · Rating: 2500 · first AC: 2022-11-21 · C++14 (GCC 6-32) (first AC) · Tags: brute force, constructive algorithms, greedy, two pointers

[leOn's solution](#)

503.

348D

[Turtles](#) · [Tutorial](#)

Quality: 2,217 global accepts · Rating: 2500 · first AC: 2022-02-15 · C++14 (GCC 6-32) (first AC) · Tags: dp, matrices

[leOn's solution](#)

504.

645F

[Cowslip Collections](#) · [Tutorial](#)

Quality: 970 global accepts · Rating: 2500 · first AC: 2021-11-28 · C++14 (GCC 6-32) (first AC) · Tags: combinatorics, math, number theory

[leOn's solution](#)

505.

1521D

[Nastia Plays with a Tree](#) · [Tutorial](#)

Quality: 2,298 global accepts · Rating: 2500 · first AC: 2021-05-12 · GNU C++11 (first AC) · Tags: constructive algorithms, data structures, dfs and similar, dp, dsu, greedy, implementation, trees

[leOn's solution](#)

506.

2129D

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

Quality: 947 global accepts · Rating: 2600 · first AC: 2025-07-31 · C++20 (GCC 13-64) (first AC) · Tags: brute force, combinatorics, dp, implementation, math

[leOn's solution](#)

507.

2081D

[MST in Modulo Graph](#) · [Tutorial](#)

Quality: 1,185 global accepts · Rating: 2600 · first AC: 2025-06-15 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, dsu, graphs, greedy, math, number theory, sortings, trees

[leOn's solution](#)

508.

627D

[Preorder Test](#) · [Tutorial](#)

Quality: 999 global accepts · Rating: 2600 · first AC: 2024-12-22 · C++20 (GCC 13-64) (first AC) · Tags: binary search, dfs and similar, dp, graphs, greedy, trees

[leOn's solution](#)

509.

1510B

[Button Lock](#) · [Tutorial](#)

Quality: 975 global accepts · Rating: 2600 · first AC: 2024-11-13 · C++20 (GCC 13-64) (first AC) · Tags: flows, graph matchings, graphs
[leOn's solution](#)

510.

1107F

[Vasya and Endless Credits](#) · [Tutorial](#)

Quality: 953 global accepts · Rating: 2600 · first AC: 2024-11-13 · C++20 (GCC 13-64) (first AC) · Tags: dp, flows, graph matchings, graphs, sortings

[leOn's solution](#)

511.

2006D

[Iris and Adjacent Products](#) · [Tutorial](#)

Quality: 981 global accepts · Rating: 2600 · first AC: 2024-08-30 · C++20 (GCC 13-64) (first AC) · Tags: data structures, greedy, implementation, math

[leOn's solution](#)

512.

1685C

[Bring Balance](#) · [Tutorial](#)

Quality: 1,339 global accepts · Rating: 2600 · first AC: 2024-01-03 · last AC: 2024-08-20 · C++14 (GCC 6-32) (first AC) · Tags: brute force, constructive algorithms, greedy

[leOn's solution](#)

513.

1580B

[Mathematics Curriculum](#) · [Tutorial](#)

Quality: 1,284 global accepts · Rating: 2600 · first AC: 2023-11-10 · last AC: 2024-08-20 · C++20 (GCC 11-64) (first AC) · Tags: brute force, combinatorics, dp, trees

[leOn's solution](#)

514.

1762F

[Good Pairs](#) · [Tutorial](#)

Quality: 888 global accepts · Rating: 2600 · first AC: 2024-01-11 · last AC: 2024-01-11 · C++14 (GCC 6-32) (first AC) · Tags: binary search, data structures, dp

[leOn's solution](#)

515.

1661F

[Teleporters](#) · [Tutorial](#)

Quality: 829 global accepts · Rating: 2600 · first AC: 2024-01-07 · last AC: 2024-01-07 · C++14 (GCC 6-32) (first AC) · Tags: binary search, greedy

[leOn's solution](#)

516.

1919E

[Counting Prefixes](#) · [Tutorial](#)

Quality: 1,130 global accepts · Rating: 2600 · first AC: 2024-01-06 · C++14 (GCC 6-32) (first AC) · Tags: combinatorics, constructive algorithms, dp, implementation, math

[leOn's solution](#)

517.

1896F

[Bracket Xoring](#) · [Tutorial](#)

Quality: 961 global accepts · Rating: 2600 · first AC: 2023-11-25 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy, implementation, math

[leOn's solution](#)

518.

1257G

[Divisor Set](#) · [Tutorial](#)

Quality: 736 global accepts · Rating: 2600 · first AC: 2023-11-09 · last AC: 2023-11-10 · C++20 (GCC 11-64) (first AC) · Tags: divide and conquer, fft, greedy, math, number theory

[leOn's solution](#)

519.

1680F

[Lenient Vertex Cover](#) · [Tutorial](#)

Quality: 901 global accepts · Rating: 2600 · first AC: 2023-10-10 · C++20 (GCC 11-64) (first AC) · Tags: dfs and similar, divide and conquer, dsu, graphs, trees

[leOn's solution](#)

520.

1823F

[Random Walk](#) · [Tutorial](#)

Quality: 1,289 global accepts · Rating: 2600 · first AC: 2023-09-18 · C++20 (GCC 11-64) (first AC) · Tags: dp, graphs, math, probabilities, trees

[leOn's solution](#)

521.

1815D

[XOR Counting](#) · [Tutorial](#)

Quality: 1,496 global accepts · Rating: 2600 · first AC: 2023-04-09 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, combinatorics, dp, math

[leOn's solution](#)

522.

1799G

[Count Voting](#) · [Tutorial](#)

Quality: 1,071 global accepts · Rating: 2600 · first AC: 2023-02-28 · C++20 (GCC 11-64) (first AC) · Tags: combinatorics, dp, math

[leOn's solution](#)

523.

1656F

[Parametric MST](#) · [Tutorial](#)

Quality: 1,219 global accepts · Rating: 2600 · first AC: 2022-11-06 · C++14 (GCC 6-32) (first AC) · Tags: binary search, constructive algorithms, graphs, greedy, math, sortings

[leOn's solution](#)

524.

1581D

[Mathematics Curriculum](#) · [Tutorial](#)

Rating: 2600 · first AC: 2022-06-06 · C++14 (GCC 6-32) (first AC) · Tags: dp

[leOn's solution](#)

525.

1023F

[Mobile Phone Network](#) · [Tutorial](#)

Quality: 1,009 global accepts · Rating: 2600 · first AC: 2021-06-17 · GNU C++11 (first AC) · Tags: dfs and similar, dsu, graphs, trees

[leOn's solution](#)

526.

622F

[The Sum of the k-th Powers](#) · [Tutorial](#)

Quality: 4,943 global accepts · Rating: 2600 · first AC: 2021-01-28 · C++17 (GCC 7-32) (first AC) · Tags: math

[leOn's solution](#)

527.

2081C

[Quaternary Matrix](#) · [Tutorial](#)

Quality: 354 global accepts · Rating: 2700 · first AC: 2025-06-15 · C++20 (GCC 13-64) (first AC) · Tags: bitmasks, constructive algorithms, greedy, implementation, matrices

[leOn's solution](#)

528.

475E

[Strongly Connected City 2](#) · [Tutorial](#)

Quality: 622 global accepts · Rating: 2700 · first AC: 2025-05-30 · C++20 (GCC 13-64) (first AC) · Tags: dfs and similar

[leOn's solution](#)

529.

1856E2

[PermuTree \(hard version\)](#) · [Tutorial](#)

Quality: 1,756 global accepts · Rating: 2700 · first AC: 2025-05-27 · C++20 (GCC 13-64) (first AC) · Tags: bitmasks, dfs and similar, dp, fft, greedy, implementation, math, trees

[leOn's solution](#)

530.

2077E

[Another Folding Strip](#) · [Tutorial](#)

Quality: 607 global accepts · Rating: 2700 · first AC: 2025-03-10 · C++20 (GCC 13-64) (first AC) · Tags: combinatorics, constructive algorithms, data structures, divide and conquer, dp, greedy, math

[leOn's solution](#)

531.

724F

[Uniformly Branched Trees](#) · [Tutorial](#)

Quality: 522 global accepts · Rating: 2700 · first AC: 2024-11-29 · C++20 (GCC 13-64) (first AC) · Tags: combinatorics, dp, trees

[leOn's solution](#)

532.

870F

[Paths](#) · [Tutorial](#)

Quality: 681 global accepts · Rating: 2700 · first AC: 2024-11-29 · C++20 (GCC 13-64) (first AC) · Tags: data structures, number theory

[leOn's solution](#)

533.

717B

[R3D3's Summer Adventure](#) · [Tutorial](#)

Quality: 181 global accepts · Rating: 2700 · first AC: 2024-11-27 · last AC: 2024-11-27 · C++20 (GCC 13-64) (first AC) · Tags: dp, greedy

[leOn's solution](#)

534.

901D

[Weighting a Tree](#) · [Tutorial](#)

Quality: 630 global accepts · Rating: 2700 · first AC: 2024-11-22 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, dfs and similar, graphs

[leOn's solution](#)

535.

1682E

[Unordered Swaps](#) · [Tutorial](#)

Quality: 749 global accepts · Rating: 2700 · first AC: 2024-11-13 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, dfs and similar, graphs, greedy, math, sortings, trees

[leOn's solution](#)

536.

1148F

[Foo Fighters](#) · [Tutorial](#)

Quality: 1,132 global accepts · Rating: 2700 · first AC: 2024-09-02 · C++20 (GCC 13-64) (first AC) · Tags: bitmasks, constructive algorithms

[leOn's solution](#)

537.

1338D

[Nested Rubber Bands](#) · [Tutorial](#)

Quality: 1,127 global accepts · Rating: 2700 · first AC: 2024-08-16 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, dfs and similar, dp, math, trees

[leOn's solution](#)

538.

1491F

[Magnets](#) · [Tutorial](#)

Quality: 1,132 global accepts · Rating: 2700 · first AC: 2024-07-07 · last AC: 2024-07-07 · C++20 (GCC 13-64) (first AC) · Tags: binary search, constructive algorithms, interactive

[leOn's solution](#)

539.

1458C

[Latin Square](#) · [Tutorial](#)

Quality: 1,687 global accepts · Rating: 2700 · first AC: 2024-06-20 · last AC: 2024-06-20 · C++20 (GCC 13-64) (first AC) · Tags: math, matrices
[leOn's solution](#)

540.

1205D

[Almost All](#) · [Tutorial](#)

Quality: 764 global accepts · Rating: 2700 · first AC: 2024-05-11 · last AC: 2024-05-11 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, trees

[leOn's solution](#)

541.

1603F

[October 18, 2017](#) · [Tutorial](#)

Quality: 348 global accepts · Rating: 2700 · first AC: 2024-04-26 · last AC: 2024-04-26 · C++20 (GCC 13-64) (first AC) · Tags: combinatorics, dp, implementation, math

[leOn's solution](#)

542.

1464E

[No Game No Life](#) · [Tutorial](#)

Rating: 2700 · first AC: 2024-04-24 · C++20 (GCC 13-64) (first AC) · Tags: bitmasks, dp, games, math, matrices, probabilities

[leOn's solution](#)

543.

1260F

[Colored Tree](#) · [Tutorial](#)

Quality: 632 global accepts · Rating: 2700 · first AC: 2024-04-11 · last AC: 2024-04-11 · C++20 (GCC 13-64) (first AC) · Tags: data structures, trees

[leOn's solution](#)

544.

1450E

[Capitalism](#) · [Tutorial](#)

Quality: 1,430 global accepts · Rating: 2700 · first AC: 2024-04-09 · last AC: 2024-04-09 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, dfs and similar, graphs, shortest paths

[leOn's solution](#)

545.

1336E1

[Chiori and Doll Picking \(easy version\)](#) · [Tutorial](#)

Quality: 831 global accepts · Rating: 2700 · first AC: 2024-04-01 · C++20 (GCC 13-64) (first AC) · Tags: bitmasks, brute force, combinatorics, math

[leOn's solution](#)

546.

1942F

[Farmer John's Favorite Function](#) · [Tutorial](#)

Quality: 973 global accepts · Rating: 2700 · first AC: 2024-03-30 · C++17 (GCC 7-32) (first AC) · Tags: brute force, data structures, implementation, math

[leOn's solution](#)

547.

1930F

[Maximize the Difference](#) · [Tutorial](#)

Quality: 937 global accepts · Rating: 2700 · first AC: 2024-02-17 · C++20 (GCC 11-64) (first AC) · Tags: bitmasks, brute force, dfs and similar

[leOn's solution](#)

548.

1682F

[MCMF?](#) · [Tutorial](#)

Quality: 393 global accepts · Rating: 2700 · first AC: 2024-01-13 · last AC: 2024-01-13 · C++14 (GCC 6-32) (first AC) · Tags: data structures, flows, graphs, greedy, sortings, two pointers

[leOn's solution](#)

549.

1617E

[Christmas Chocolates](#) · [Tutorial](#)

Quality: 1,018 global accepts · Rating: 2700 · first AC: 2024-01-08 · last AC: 2024-01-08 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, dp, games, graphs, implementation, math, number theory, shortest paths, trees

[leOn's solution](#)

550.

1916H2

[Matrix Rank \(Hard Version\)](#) · [Tutorial](#)

Quality: 631 global accepts · Rating: 2700 · first AC: 2023-12-30 · C++14 (GCC 6-32) (first AC) · Tags: combinatorics, dp, math, matrices, string suffix structures

[leOn's solution](#)

551.

1916H1

[Matrix Rank \(Easy Version\)](#) · [Tutorial](#)

Quality: 715 global accepts · Rating: 2700 · first AC: 2023-12-30 · C++14 (GCC 6-32) (first AC) · Tags: brute force, combinatorics, dp, math, matrices

[leOn's solution](#)

552.

1887D

[Split](#) · [Tutorial](#)

Quality: 1,259 global accepts · Rating: 2700 · first AC: 2023-10-22 · C++20 (GCC 11-64) (first AC) · Tags: binary search, data structures, divide and conquer, dsu, math, trees, two pointers

[leOn's solution](#)

553.

1720E

[Misha and Paintings](#) · [Tutorial](#)

Quality: 951 global accepts · Rating: 2700 · first AC: 2023-10-10 · last AC: 2023-10-10 · C++20 (GCC 11-64) (first AC) · Tags: constructive algorithms, data structures, greedy, implementation, math

[leOn's solution](#)

554.

1672H

[Zigu Zagu](#) · [Tutorial](#)

Quality: 1,130 global accepts · Rating: 2700 · first AC: 2023-10-04 · last AC: 2023-10-04 · C++20 (GCC 11-64) (first AC) · Tags: constructive algorithms, data structures, greedy

[leOn's solution](#)

555.

1149C

[Tree Generator™](#) · [Tutorial](#)

Quality: 1,672 global accepts · Rating: 2700 · first AC: 2023-08-25 · last AC: 2023-08-25 · C++20 (GCC 11-64) (first AC) · Tags: data structures, implementation, trees

[leOn's solution](#)

556.

191D

[Metro Scheme](#) · [Tutorial](#)

Quality: 392 global accepts · Rating: 2700 · first AC: 2023-07-21 · last AC: 2023-08-01 · C++20 (GCC 11-64) (first AC) · Tags: graphs, greedy

[leOn's solution](#)

557.

1408G

[Clusterization Counting](#) · [Tutorial](#)

Quality: 1,301 global accepts · Rating: 2700 · first AC: 2023-08-01 · last AC: 2023-08-01 · C++20 (GCC 11-64) (first AC) · Tags: combinatorics, dp, dsu, fft, graphs, trees

[leOn's solution](#)

558.

995F

[Cowmpany Cowmpensation](#) · [Tutorial](#)

Quality: 1,627 global accepts · Rating: 2700 · first AC: 2023-06-20 · C++20 (GCC 11-64) (first AC) · Tags: combinatorics, dp, math, trees

[leOn's solution](#)

559.

961G

[Partitions](#) · [Tutorial](#)

Quality: 1,612 global accepts · Rating: 2700 · first AC: 2023-05-27 · last AC: 2023-05-27 · C++20 (GCC 11-64) (first AC) · Tags: combinatorics, math, number theory

[leOn's solution](#)

560.

207C3

[Game with Two Trees](#) · [Tutorial](#)

Quality: 164 global accepts · Rating: 2700 · first AC: 2023-02-16 · last AC: 2023-02-24 · C++20 (GCC 11-64) (first AC) · Tags: data structures

[leOn's solution](#)

561.

1782F

[Bracket Insertion](#) · [Tutorial](#)

Rating: 2700 · first AC: 2023-01-16 · C++14 (GCC 6-32) (first AC) · Tags: combinatorics, dp, probabilities, trees

[leOn's solution](#)

562.

388D

[Fox and Perfect Sets](#) · [Tutorial](#)

Quality: 497 global accepts · Rating: 2700 · first AC: 2022-12-15 · C++14 (GCC 6-32) (first AC) · Tags: math

[leOn's solution](#)

563.

1379F1

[Chess Strikes Back \(easy version\)](#) · [Tutorial](#)

Quality: 685 global accepts · Rating: 2700 · first AC: 2022-11-23 · C++14 (GCC 6-32) (first AC) · Tags: binary search, data structures

[leOn's solution](#)

564.

1270G

[Subset with Zero Sum](#) · [Tutorial](#)

Quality: 2,960 global accepts · Rating: 2700 · first AC: 2022-11-15 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, dfs and similar, graphs, math

[leOn's solution](#)

565.

241B

[Friends](#) · [Tutorial](#)

Quality: 982 global accepts · Rating: 2700 · first AC: 2022-09-08 · C++14 (GCC 6-32) (first AC) · Tags: binary search, bitmasks, data structures, math

[leOn's solution](#)

566.

2157G

[Isaac's Queries](#) · [Tutorial](#)

Quality: 411 global accepts · Rating: 2800 · first AC: 2025-11-23 · last AC: 2025-11-25 · C++23 (GCC 14-64, msys2) (first AC) · Tags: bitmasks, brute force, constructive algorithms, dfs and similar, divide and conquer, dp, greedy, interactive, math, pro...

[leOn's solution](#)

567.

2048G

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

Quality: 742 global accepts · Rating: 2800 · first AC: 2024-12-19 · C++20 (GCC 13-64) (first AC) · Tags: brute force, combinatorics, dp, math

[leOn's solution](#)

568.

2034F2

[Khayyam's Royal Decree \(Hard Version\)](#) · [Tutorial](#)

Quality: 598 global accepts · Rating: 2800 · first AC: 2024-11-30 · C++20 (GCC 13-64) (first AC) · Tags: combinatorics, dp, math, sortings

[leOn's solution](#)

569.

2039F1

[Shohag Loves Counting \(Easy Version\)](#) · [Tutorial](#)

Quality: 506 global accepts · Rating: 2800 · first AC: 2024-11-23 · C++20 (GCC 13-64) (first AC) · Tags: combinatorics, dp, math, number theory
[leOn's solution](#)

570.

2003F

[Turtle and Three Sequences](#) · [Tutorial](#)

Quality: 803 global accepts · Rating: 2800 · first AC: 2024-09-03 · C++20 (GCC 13-64) (first AC) · Tags: brute force, data structures, dp, greedy, math, probabilities, two pointers
[leOn's solution](#)

571.

1967D

[Long Way to be Non-decreasing](#) · [Tutorial](#)

Quality: 978 global accepts · Rating: 2800 · first AC: 2024-08-20 · C++20 (GCC 13-64) (first AC) · Tags: binary search, dfs and similar, graphs, implementation, shortest paths, two pointers
[leOn's solution](#)

572.

1942G

[Bessie and Cards](#) · [Tutorial](#)

Quality: 737 global accepts · Rating: 2800 · first AC: 2024-03-30 · C++20 (GCC 13-64) (first AC) · Tags: combinatorics, dp, math
[leOn's solution](#)

573.

1943D2

[Counting Is Fun \(Hard Version\)](#) · [Tutorial](#)

Quality: 1,126 global accepts · Rating: 2800 · first AC: 2024-03-16 · C++17 (GCC 7-32) (first AC) · Tags: combinatorics, dp
[leOn's solution](#)

574.

850F

[Rainbow Balls](#) · [Tutorial](#)

Quality: 762 global accepts · Rating: 2800 · first AC: 2024-02-08 · last AC: 2024-02-08 · C++20 (GCC 11-64) (first AC) · Tags: math
[leOn's solution](#)

575.

1672F2

[Checker for Array Shuffling](#) · [Tutorial](#)

Quality: 936 global accepts · Rating: 2800 · first AC: 2024-01-11 · last AC: 2024-01-11 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, dfs and similar, graphs
[leOn's solution](#)

576.

1615F

[LEGOndary Grandmaster](#) · [Tutorial](#)

Quality: 1,149 global accepts · Rating: 2800 · first AC: 2024-01-07 · last AC: 2024-01-07 · C++14 (GCC 6-32) (first AC) · Tags: combinatorics, dp, math
[leOn's solution](#)

577.

1919F2

[Wine Factory \(Hard Version\)](#) · [Tutorial](#)

Quality: 1,086 global accepts · Rating: 2800 · first AC: 2024-01-06 · C++14 (GCC 6-32) (first AC) · Tags: data structures, dp, flows, greedy, matrices
[leOn's solution](#)

578.

1626F

[A Random Code Problem](#) · [Tutorial](#)

Quality: 905 global accepts · Rating: 2800 · first AC: 2023-11-08 · last AC: 2023-11-08 · C++20 (GCC 11-64) (first AC) · Tags: combinatorics, dp, math, number theory, probabilities
[leOn's solution](#)

579.

493E

[Vasya and Polynomial](#) · [Tutorial](#)

Quality: 517 global accepts · Rating: 2800 · first AC: 2023-10-06 · C++20 (GCC 11-64) (first AC) · Tags: math

[leOn's solution](#)

580.

1693D

[Decinc Dividing](#) · [Tutorial](#)

Quality: 1,107 global accepts · Rating: 2800 · first AC: 2023-10-02 · last AC: 2023-10-04 · C++20 (GCC 11-64) (first AC) · Tags: brute force, data structures, divide and conquer, dp, greedy

[leOn's solution](#)

581.

1874D

[Jellyfish and Miku](#) · [Tutorial](#)

Quality: 932 global accepts · Rating: 2800 · first AC: 2023-09-30 · C++20 (GCC 11-64) (first AC) · Tags: divide and conquer, dp, math, probabilities

[leOn's solution](#)

582.

1721F

[Matching Reduction](#) · [Tutorial](#)

Quality: 514 global accepts · Rating: 2800 · first AC: 2023-09-28 · last AC: 2023-09-28 · C++20 (GCC 11-64) (first AC) · Tags: brute force, constructive algorithms, dfs and similar, flows, graph matchings, graphs, interactive

[leOn's solution](#)

583.

600F

[Edge coloring of bipartite graph](#) · [Tutorial](#)

Quality: 1,155 global accepts · Rating: 2800 · first AC: 2023-09-19 · C++20 (GCC 11-64) (first AC) · Tags: graphs

[leOn's solution](#)

584.

1842G

[Tenzing and Random Operations](#) · [Tutorial](#)

Quality: 1,577 global accepts · Rating: 2800 · first AC: 2023-09-18 · C++20 (GCC 11-64) (first AC) · Tags: combinatorics, dp, math, probabilities

[leOn's solution](#)

585.

1863G

[Swaps](#) · [Tutorial](#)

Quality: 827 global accepts · Rating: 2800 · first AC: 2023-08-31 · C++20 (GCC 11-64) (first AC) · Tags: combinatorics, dp, graphs, math

[leOn's solution](#)

586.

277D

[Google Code Jam](#) · [Tutorial](#)

Quality: 372 global accepts · Rating: 2800 · first AC: 2023-05-10 · C++20 (GCC 11-64) (first AC) · Tags: dp, probabilities

[leOn's solution](#)

587.

850E

[Random Elections](#) · [Tutorial](#)

Quality: 533 global accepts · Rating: 2800 · first AC: 2023-02-07 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, brute force, divide and conquer, fft, math

[leOn's solution](#)

588.

1648D

[Serious Business](#) · [Tutorial](#)

Quality: 1,051 global accepts · Rating: 2800 · first AC: 2023-01-22 · last AC: 2023-01-22 · C++14 (GCC 6-32) (first AC) · Tags: data structures, divide and conquer, dp, implementation, shortest paths

[leOn's solution](#)

589.

1620F

[Bipartite Array](#) · [Tutorial](#)

Quality: 751 global accepts · Rating: 2800 · first AC: 2023-01-20 · C++14 (GCC 6-32) (first AC) · Tags: dp, greedy

[leOn's solution](#)

590.

1379F2

[Chess Strikes Back \(hard version\)](#) · [Tutorial](#)

Quality: 580 global accepts · Rating: 2800 · first AC: 2022-11-23 · C++14 (GCC 6-32) (first AC) · Tags: data structures, divide and conquer

[leOn's solution](#)

591.

1698F

[Equal Reversal](#) · [Tutorial](#)

Quality: 757 global accepts · Rating: 2800 · first AC: 2022-11-06 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, graphs, implementation, math

[leOn's solution](#)

592.

1379E

[Inverse Genealogy](#) · [Tutorial](#)

Quality: 473 global accepts · Rating: 2800 · first AC: 2021-11-08 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, divide and conquer, dp, math, trees

[leOn's solution](#)

593.

2207F

[Hanabi](#) · [Tutorial](#)

Quality: 270 global accepts · Rating: 2900 · first AC: 2026-03-11 · C++23 (GCC 14-64, msys2) (first AC) · Tags: binary search, data structures, dp, dsu, flows, graph matchings, graphs, greedy

[leOn's solution](#)

594.

1062F

[Upgrading Cities](#) · [Tutorial](#)

Quality: 982 global accepts · Rating: 2900 · first AC: 2025-05-30 · C++20 (GCC 13-64) (first AC) · Tags: dfs and similar, graphs

[leOn's solution](#)

595.

793E

[Problem of offices](#) · [Tutorial](#)

Quality: 305 global accepts · Rating: 2900 · first AC: 2025-04-14 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, dfs and similar, dp, trees

[leOn's solution](#)

596.

2066D2

[Club of Young Aircraft Builders \(hard version\)](#) · [Tutorial](#)

Quality: 620 global accepts · Rating: 2900 · first AC: 2025-02-11 · C++20 (GCC 13-64) (first AC) · Tags: combinatorics, dp, math

[leOn's solution](#)

597.

2023D

[Many Games](#) · [Tutorial](#)

Quality: 605 global accepts · Rating: 2900 · first AC: 2024-10-20 · C++20 (GCC 13-64) (first AC) · Tags: brute force, dp, greedy, math, probabilities

[leOn's solution](#)

598.

1738G

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

Quality: 556 global accepts · Rating: 2900 · first AC: 2024-10-17 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, dp, greedy, math

[leOn's solution](#)

599.

2018F1

[Speedbreaker Counting \(Easy Version\) · Tutorial](#)

Quality: 329 global accepts · Rating: 2900 · first AC: 2024-09-28 · C++20 (GCC 13-64) (first AC) · Tags: combinatorics, dp, greedy, math
[leOn's solution](#)

600.

1906G

[Grid Game 2 · Tutorial](#)

Quality: 335 global accepts · Rating: 2900 · first AC: 2024-08-08 · last AC: 2024-08-08 · C++20 (GCC 13-64) (first AC) · Tags: games, number theory
[leOn's solution](#)

601.

1965D

[Missing Subarray Sum · Tutorial](#)

Quality: 536 global accepts · Rating: 2900 · first AC: 2024-04-28 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms
[leOn's solution](#)

602.

1677E

[Tokitsukaze and Beautiful Subsegments · Tutorial](#)

Quality: 660 global accepts · Rating: 2900 · first AC: 2024-03-18 · C++17 (GCC 7-32) (first AC) · Tags: data structures
[leOn's solution](#)

603.

1943E1

[MEX Game 2 \(Easy Version\) · Tutorial](#)

Quality: 530 global accepts · Rating: 2900 · first AC: 2024-03-17 · C++17 (GCC 7-32) (first AC) · Tags: binary search, brute force, greedy
[leOn's solution](#)

604.

1575F

[Finding Expected Value · Tutorial](#)

Quality: 138 global accepts · Rating: 2900 · first AC: 2024-02-11 · last AC: 2024-02-11 · C++20 (GCC 11-64) (first AC) · Tags: math
[leOn's solution](#)

605.

1528E

[Mashtali and Hagh Trees · Tutorial](#)

Quality: 601 global accepts · Rating: 2900 · first AC: 2024-01-23 · last AC: 2024-01-23 · C++20 (GCC 11-64) (first AC) · Tags: combinatorics, dp, trees
[leOn's solution](#)

606.

1450H1

[Multithreading \(Easy Version\) · Tutorial](#)

Quality: 513 global accepts · Rating: 2900 · first AC: 2024-01-16 · C++14 (GCC 6-32) (first AC) · Tags: combinatorics, fft, math
[leOn's solution](#)

607.

763D

[Timofey and a flat tree · Tutorial](#)

Quality: 646 global accepts · Rating: 2900 · first AC: 2024-01-14 · last AC: 2024-01-14 · C++14 (GCC 6-32) (first AC) · Tags: data structures, graphs, hashing, shortest paths, trees
[leOn's solution](#)

608.

1687D

[Cute number · Tutorial](#)

Quality: 734 global accepts · Rating: 2900 · first AC: 2024-01-03 · last AC: 2024-01-03 · C++14 (GCC 6-32) (first AC) · Tags: binary search, brute force, data structures, dsu, implementation, math
[leOn's solution](#)

609.

1667D

[Edge Elimination](#) · [Tutorial](#)

Quality: 809 global accepts · Rating: 2900 · first AC: 2023-10-27 · last AC: 2023-10-27 · C++17 (GCC 7-32) (first AC) · Tags: constructive algorithms, dfs and similar, dp, trees

[leOn's solution](#)

610.

1870F

[Lazy Numbers](#) · [Tutorial](#)

Quality: 560 global accepts · Rating: 2900 · first AC: 2023-09-18 · C++20 (GCC 11-64) (first AC) · Tags: binary search, math

[leOn's solution](#)

611.

886F

[Symmetric Projections](#) · [Tutorial](#)

Quality: 293 global accepts · Rating: 2900 · first AC: 2023-09-03 · last AC: 2023-09-03 · C++20 (GCC 11-64) (first AC) · Tags: geometry

[leOn's solution](#)

612.

643F

[Bears and Juice](#) · [Tutorial](#)

Quality: 819 global accepts · Rating: 2900 · first AC: 2023-07-04 · last AC: 2023-07-04 · C++20 (GCC 11-64) (first AC) · Tags: dp, math, meet-in-the-middle

[leOn's solution](#)

613.

960G

[Bandit Blues](#) · [Tutorial](#)

Quality: 1,201 global accepts · Rating: 2900 · first AC: 2023-06-19 · C++20 (GCC 11-64) (first AC) · Tags: combinatorics, dp, fft, math

[leOn's solution](#)

614.

1622F

[Quadratic Set](#) · [Tutorial](#)

Quality: 867 global accepts · Rating: 2900 · first AC: 2023-05-29 · C++20 (GCC 11-64) (first AC) · Tags: constructive algorithms, hashing, math, number theory

[leOn's solution](#)

615.

1713F

[Lost Array](#) · [Tutorial](#)

Quality: 688 global accepts · Rating: 2900 · first AC: 2023-02-07 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, combinatorics, constructive algorithms, dp, math

[leOn's solution](#)

616.

2129E

[Induced Subgraph Queries](#) · [Tutorial](#)

Quality: 476 global accepts · Rating: 3000 · first AC: 2025-07-31 · last AC: 2025-08-01 · C++20 (GCC 13-64) (first AC) · Tags: data structures, graphs, sortings

[leOn's solution](#)

617.

2120G

[Eulerian Line Graph](#) · [Tutorial](#)

Quality: 109 global accepts · Rating: 3000 · first AC: 2025-06-22 · C++20 (GCC 13-64) (first AC) · Tags: graphs, greedy, math

[leOn's solution](#)

618.

2029G

[Balanced Problem](#) · [Tutorial](#)

Quality: 258 global accepts · Rating: 3000 · first AC: 2024-11-13 · C++20 (GCC 13-64) (first AC) · Tags: data structures, dp

[leOn's solution](#)

619.

2018F2

[Speedbreaker Counting \(Medium Version\)](#) · [Tutorial](#)

Quality: 287 global accepts · Rating: 3000 · first AC: 2024-09-28 · C++20 (GCC 13-64) (first AC) · Tags: dp, greedy, math
[leOn's solution](#)

620.

1464D

[The Thorny Path](#) · [Tutorial](#)

Rating: 3000 · first AC: 2024-04-24 · C++20 (GCC 13-64) (first AC) · Tags: greedy, implementation, math
[leOn's solution](#)

621.

526F

[Pudding Monsters](#) · [Tutorial](#)

Quality: 3,409 global accepts · Rating: 3000 · first AC: 2024-01-17 · last AC: 2024-01-17 · C++20 (GCC 11-64) (first AC) · Tags: data structures, divide and conquer
[leOn's solution](#)

622.

1474F

[1 2 3 4 ...](#) · [Tutorial](#)

Quality: 323 global accepts · Rating: 3000 · first AC: 2024-01-17 · last AC: 2024-01-17 · C++20 (GCC 11-64) (first AC) · Tags: dp, math, matrices
[leOn's solution](#)

623.

1616H

[Keep XOR Low](#) · [Tutorial](#)

Quality: 1,236 global accepts · Rating: 3000 · first AC: 2024-01-08 · last AC: 2024-01-08 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, combinatorics, data structures, divide and conquer, dp, math
[leOn's solution](#)

624.

1609G

[A Stroll Around the Matrix](#) · [Tutorial](#)

Quality: 484 global accepts · Rating: 3000 · first AC: 2024-01-07 · last AC: 2024-01-07 · C++14 (GCC 6-32) (first AC) · Tags: data structures, greedy, math
[leOn's solution](#)

625.

1909G

[Pumping Lemma](#) · [Tutorial](#)

Quality: 652 global accepts · Rating: 3000 · first AC: 2023-12-27 · last AC: 2023-12-27 · C++14 (GCC 6-32) (first AC) · Tags: hashing, strings
[leOn's solution](#)

626.

1552G

[A Serious Referee](#) · [Tutorial](#)

Quality: 670 global accepts · Rating: 3000 · first AC: 2023-12-13 · last AC: 2023-12-13 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, brute force, dfs and similar, sortings
[leOn's solution](#)

627.

1667E

[Centroid Probabilities](#) · [Tutorial](#)

Quality: 813 global accepts · Rating: 3000 · first AC: 2023-10-27 · C++17 (GCC 7-32) (first AC) · Tags: combinatorics, dp, fft, math
[leOn's solution](#)

628.

1874E

[Jellyfish and Hack](#) · [Tutorial](#)

Quality: 574 global accepts · Rating: 3000 · first AC: 2023-10-02 · C++20 (GCC 11-64) (first AC) · Tags: dp, math
[leOn's solution](#)

629.

1361E

[James and the Chase](#) · [Tutorial](#)

Quality: 987 global accepts · Rating: 3000 · first AC: 2023-09-05 · last AC: 2023-09-05 · C++20 (GCC 11-64) (first AC) · Tags: dfs and similar, graphs, probabilities, trees

[leOn's solution](#)

630.

573D

[Bear and Cavalry](#) · [Tutorial](#)

Quality: 707 global accepts · Rating: 3000 · first AC: 2023-08-27 · last AC: 2023-08-27 · C++20 (GCC 11-64) (first AC) · Tags: data structures, divide and conquer, dp

[leOn's solution](#)

631.

1637G

[Birthday](#) · [Tutorial](#)

Quality: 620 global accepts · Rating: 3000 · first AC: 2022-02-14 · last AC: 2023-08-24 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy, math

[leOn's solution](#)

632.

618F

[Double Knapsack](#) · [Tutorial](#)

Quality: 1,828 global accepts · Rating: 3000 · first AC: 2023-07-30 · last AC: 2023-08-08 · C++20 (GCC 11-64) (first AC) · Tags: constructive algorithms, two pointers

[leOn's solution](#)

633.

1842H

[Tenzing and Random Real Numbers](#) · [Tutorial](#)

Quality: 853 global accepts · Rating: 3000 · first AC: 2023-06-28 · C++20 (GCC 11-64) (first AC) · Tags: bitmasks, dp, graphs, math, probabilities

[leOn's solution](#)

634.

1019C

[Sergey's problem](#) · [Tutorial](#)

Quality: 1,455 global accepts · Rating: 3000 · first AC: 2023-06-19 · C++20 (GCC 11-64) (first AC) · Tags: constructive algorithms, graphs

[leOn's solution](#)

635.

335F

[Buy One, Get One Free](#) · [Tutorial](#)

Quality: 740 global accepts · Rating: 3000 · first AC: 2023-03-12 · last AC: 2023-05-27 · C++14 (GCC 6-32) (first AC) · Tags: dp, greedy

[leOn's solution](#)

636.

559E

[Gerald and Path](#) · [Tutorial](#)

Quality: 1,162 global accepts · Rating: 3000 · first AC: 2023-02-09 · last AC: 2023-02-09 · C++14 (GCC 6-32) (first AC) · Tags: dp, sortings

[leOn's solution](#)

637.

1163F

[Indecisive Taxi Fee](#) · [Tutorial](#)

Quality: 1,295 global accepts · Rating: 3000 · first AC: 2022-04-08 · C++14 (GCC 6-32) (first AC) · Tags: data structures, graphs, shortest paths

[leOn's solution](#)

638.

771E

[Bear and Rectangle Strips](#) · [Tutorial](#)

Quality: 621 global accepts · Rating: 3000 · first AC: 2022-04-04 · C++14 (GCC 6-32) (first AC) · Tags: dp, greedy

[leOn's solution](#)

639.

274E

[Mirror Room](#) · [Tutorial](#)

Quality: 341 global accepts · Rating: 3000 · first AC: 2022-03-20 · C++14 (GCC 6-32) (first AC) · Tags: data structures, implementation
[leOn's solution](#)

640.

2147G

[Modular Tetration](#) · [Tutorial](#)

Quality: 359 global accepts · Rating: 3100 · first AC: 2025-09-21 · C++23 (GCC 14-64, msys2) (first AC) · Tags: combinatorics, math, number theory
[leOn's solution](#)

641.

2046D

[For the Emperor!](#) · [Tutorial](#)

Quality: 551 global accepts · Rating: 3100 · first AC: 2025-05-13 · C++20 (GCC 13-64) (first AC) · Tags: flows, graphs
[leOn's solution](#)

642.

1949H

[Division Avoidance](#) · [Tutorial](#)

Quality: 165 global accepts · Rating: 3100 · first AC: 2025-03-17 · C++20 (GCC 13-64) (first AC) · Tags: greedy, math
[leOn's solution](#)

643.

1458E

[Nim Shortcuts](#) · [Tutorial](#)

Quality: 556 global accepts · Rating: 3100 · first AC: 2025-03-12 · C++20 (GCC 13-64) (first AC) · Tags: data structures, games
[leOn's solution](#)

644.

2077D

[Maximum Polygon](#) · [Tutorial](#)

Quality: 339 global accepts · Rating: 3100 · first AC: 2025-03-10 · C++20 (GCC 13-64) (first AC) · Tags: brute force, data structures, greedy, implementation, math
[leOn's solution](#)

645.

2048H

[Kevin and Strange Operation](#) · [Tutorial](#)

Quality: 248 global accepts · Rating: 3100 · first AC: 2024-12-19 · C++20 (GCC 13-64) (first AC) · Tags: data structures, dp
[leOn's solution](#)

646.

2018F3

[Speedbreaker Counting \(Hard Version\)](#) · [Tutorial](#)

Quality: 310 global accepts · Rating: 3100 · first AC: 2024-09-28 · C++20 (GCC 13-64) (first AC) · Tags: dp, greedy, math
[leOn's solution](#)

647.

2006E

[Iris's Full Binary Tree](#) · [Tutorial](#)

Quality: 318 global accepts · Rating: 3100 · first AC: 2024-08-30 · C++20 (GCC 13-64) (first AC) · Tags: brute force, data structures, dfs and similar, trees
[leOn's solution](#)

648.

1439D

[INOI Final Contests](#) · [Tutorial](#)

Quality: 476 global accepts · Rating: 3100 · first AC: 2024-06-20 · last AC: 2024-06-20 · C++20 (GCC 13-64) (first AC) · Tags: combinatorics, dp, fft
[leOn's solution](#)

649.

1205E

[Expected Value Again](#) · [Tutorial](#)

Quality: 373 global accepts · Rating: 3100 · first AC: 2024-05-11 · last AC: 2024-05-11 · C++20 (GCC 13-64) (first AC) · Tags: combinatorics, strings

[leOn's solution](#)

650.

1965E

[Connected Cubes](#) · [Tutorial](#)

Quality: 466 global accepts · Rating: 3100 · first AC: 2024-04-28 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, games

[leOn's solution](#)

651.

1503E

[2-Coloring](#) · [Tutorial](#)

Quality: 891 global accepts · Rating: 3100 · first AC: 2024-04-27 · last AC: 2024-04-27 · C++20 (GCC 13-64) (first AC) · Tags: combinatorics, dp, math

[leOn's solution](#)

652.

1954F

[Unique Strings](#) · [Tutorial](#)

Quality: 359 global accepts · Rating: 3100 · first AC: 2024-04-22 · C++20 (GCC 13-64) (first AC) · Tags: combinatorics, dp, math

[leOn's solution](#)

653.

1307G

[Cow and Exercise](#) · [Tutorial](#)

Quality: 597 global accepts · Rating: 3100 · first AC: 2024-04-09 · last AC: 2024-04-09 · C++20 (GCC 13-64) (first AC) · Tags: flows, graphs, shortest paths

[leOn's solution](#)

654.

1951G

[Clacking Balls](#) · [Tutorial](#)

Quality: 426 global accepts · Rating: 3100 · first AC: 2024-04-07 · C++17 (GCC 7-32) (first AC) · Tags: combinatorics, math, probabilities

[leOn's solution](#)

655.

1948G

[MST with Matching](#) · [Tutorial](#)

Quality: 874 global accepts · Rating: 3100 · first AC: 2024-03-27 · C++17 (GCC 7-32) (first AC) · Tags: bitmasks, brute force, dsu, graph matchings, trees

[leOn's solution](#)

656.

1936D

[Bitwise Paradox](#) · [Tutorial](#)

Quality: 625 global accepts · Rating: 3100 · first AC: 2024-03-11 · last AC: 2024-03-11 · C++20 (GCC 11-64) (first AC) · Tags: binary search, bitmasks, data structures, greedy, two pointers

[leOn's solution](#)

657.

1930G

[Prefix Max Set Counting](#) · [Tutorial](#)

Quality: 494 global accepts · Rating: 3100 · first AC: 2024-02-21 · C++20 (GCC 11-64) (first AC) · Tags: data structures, dp, trees

[leOn's solution](#)

658.

923E

[Perpetual Subtraction](#) · [Tutorial](#)

Quality: 516 global accepts · Rating: 3100 · first AC: 2024-01-14 · last AC: 2024-01-14 · C++14 (GCC 6-32) (first AC) · Tags: fft, math, matrices

[leOn's solution](#)

659.

1895G

[Two Characters, Two Colors](#) · [Tutorial](#)

Quality: 324 global accepts · Rating: 3100 · first AC: 2023-11-22 · last AC: 2023-11-23 · C++20 (GCC 11-64) (first AC) · Tags: binary search, data structures, dp, flows, greedy

[leOn's solution](#)

660.

418E

[Tricky Password](#) · [Tutorial](#)

Quality: 351 global accepts · Rating: 3100 · first AC: 2023-09-21 · last AC: 2023-11-09 · C++20 (GCC 11-64) (first AC) · Tags: data structures

[leOn's solution](#)

661.

708E

[Student's Camp](#) · [Tutorial](#)

Quality: 1,344 global accepts · Rating: 3100 · first AC: 2023-08-06 · C++20 (GCC 11-64) (first AC) · Tags: dp, math

[leOn's solution](#)

662.

1184A3

[Heidi Learns Hashing \(Hard\)](#) · [Tutorial](#)

Quality: 155 global accepts · Rating: 3100 · first AC: 2023-02-20 · C++14 (GCC 6-32) (first AC) · Tags: fft, math, number theory

[leOn's solution](#)

663.

438E

[The Child and Binary Tree](#) · [Tutorial](#)

Quality: 2,130 global accepts · Rating: 3100 · first AC: 2023-02-20 · C++14 (GCC 6-32) (first AC) · Tags: combinatorics, divide and conquer, fft, number theory

[leOn's solution](#)

664.

1610H

[Squid Game](#) · [Tutorial](#)

Quality: 628 global accepts · Rating: 3100 · first AC: 2022-06-05 · C++14 (GCC 6-32) (first AC) · Tags: data structures, dfs and similar, greedy, trees

[leOn's solution](#)

665.

2157H

[Keygen 3](#) · [Tutorial](#)

Quality: 117 global accepts · Rating: 3200 · first AC: 2025-11-23 · C++23 (GCC 14-64, msys2) (first AC) · Tags: brute force, combinatorics, constructive algorithms, dfs and similar, math

[leOn's solution](#)

666.

1603E

[A Perfect Problem](#) · [Tutorial](#)

Quality: 641 global accepts · Rating: 3200 · first AC: 2024-04-26 · last AC: 2025-04-22 · C++20 (GCC 13-64) (first AC) · Tags: combinatorics, dp, math

[leOn's solution](#)

667.

1482G

[Vabank](#) · [Tutorial](#)

Quality: 344 global accepts · Rating: 3200 · first AC: 2025-04-14 · C++20 (GCC 13-64) (first AC) · Tags: binary search, interactive

[leOn's solution](#)

668.

1483E

[Vabank](#) · [Tutorial](#)

Rating: 3200 · first AC: 2025-04-14 · C++20 (GCC 13-64) (first AC) · Tags: binary search, dp, interactive

[leOn's solution](#)

669.

1326F2

[Wise Men \(Hard Version\)](#) · [Tutorial](#)

Quality: 680 global accepts · Rating: 3200 · first AC: 2025-04-01 · C++20 (GCC 13-64) (first AC) · Tags: bitmasks, dp, math

[leOn's solution](#)

670.

2055F

[Cosmic Divide](#) · [Tutorial](#)

Quality: 90 global accepts · Rating: 3200 · first AC: 2025-03-17 · C++20 (GCC 13-64) (first AC) · Tags: brute force, geometry, hashing, math, strings

[leOn's solution](#)

671.

1566H

[Xor-quiz](#) · [Tutorial](#)

Quality: 152 global accepts · Rating: 3200 · first AC: 2025-03-10 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, dp, interactive, math, number theory

[leOn's solution](#)

672.

2039F2

[Shohag Loves Counting \(Hard Version\)](#) · [Tutorial](#)

Quality: 288 global accepts · Rating: 3200 · first AC: 2024-11-23 · C++20 (GCC 13-64) (first AC) · Tags: dp, number theory

[leOn's solution](#)

673.

1149E

[Election Promises](#) · [Tutorial](#)

Quality: 665 global accepts · Rating: 3200 · first AC: 2024-08-18 · C++20 (GCC 13-64) (first AC) · Tags: games, graphs

[leOn's solution](#)

674.

538H

[Summer Dichotomy](#) · [Tutorial](#)

Quality: 735 global accepts · Rating: 3200 · first AC: 2024-06-19 · last AC: 2024-06-19 · C++20 (GCC 13-64) (first AC) · Tags: 2-sat, data structures, dfs and similar, greedy

[leOn's solution](#)

675.

1017G

[The Tree](#) · [Tutorial](#)

Quality: 1,210 global accepts · Rating: 3200 · first AC: 2024-06-19 · last AC: 2024-06-19 · C++20 (GCC 13-64) (first AC) · Tags: data structures

[leOn's solution](#)

676.

1408I

[Bitwise Magic](#) · [Tutorial](#)

Quality: 200 global accepts · Rating: 3200 · first AC: 2024-06-19 · last AC: 2024-06-19 · C++20 (GCC 13-64) (first AC) · Tags: dp, math

[leOn's solution](#)

677.

1396E

[Distance Matching](#) · [Tutorial](#)

Quality: 434 global accepts · Rating: 3200 · first AC: 2024-06-17 · last AC: 2024-06-17 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, dfs and similar, trees

[leOn's solution](#)

678.

1896G

[Pepe Racing](#) · [Tutorial](#)

Quality: 410 global accepts · Rating: 3200 · first AC: 2024-04-20 · last AC: 2024-04-20 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, implementation, interactive, sortings

[leOn's solution](#)

679.

1951H

[Thanos Snap](#) · [Tutorial](#)

Quality: 359 global accepts · Rating: 3200 · first AC: 2024-04-07 · C++17 (GCC 7-32) (first AC) · Tags: binary search, dp, games, greedy, trees
[leOn's solution](#)

680.

1621G

[Weighted Increasing Subsequences](#) · [Tutorial](#)

Quality: 778 global accepts · Rating: 3200 · first AC: 2024-01-11 · last AC: 2024-01-11 · C++14 (GCC 6-32) (first AC) · Tags: data structures, dp, math
[leOn's solution](#)

681.

1648E

[Air Reform](#) · [Tutorial](#)

Quality: 510 global accepts · Rating: 3200 · first AC: 2023-12-13 · last AC: 2023-12-13 · C++14 (GCC 6-32) (first AC) · Tags: data structures, dfs and similar, divide and conquer, dsu, graphs, implementation, trees
[leOn's solution](#)

682.

1712F

[Triameter](#) · [Tutorial](#)

Quality: 443 global accepts · Rating: 3200 · first AC: 2023-10-10 · last AC: 2023-10-10 · C++20 (GCC 11-64) (first AC) · Tags: binary search, data structures, dfs and similar, trees
[leOn's solution](#)

683.

1864H

[Asterism Stream](#) · [Tutorial](#)

Quality: 493 global accepts · Rating: 3200 · first AC: 2023-08-26 · C++20 (GCC 11-64) (first AC) · Tags: dp, math, matrices
[leOn's solution](#)

684.

750G

[New Year and Binary Tree Paths](#) · [Tutorial](#)

Quality: 525 global accepts · Rating: 3200 · first AC: 2023-06-01 · last AC: 2023-07-05 · C++20 (GCC 11-64) (first AC) · Tags: bitmasks, brute force, combinatorics, dp
[leOn's solution](#)

685.

1495E

[Qingshan and Daniel](#) · [Tutorial](#)

Quality: 538 global accepts · Rating: 3200 · first AC: 2023-03-06 · C++14 (GCC 6-32) (first AC) · Tags: brute force, data structures, greedy, implementation
[leOn's solution](#)

686.

487E

[Tourists](#) · [Tutorial](#)

Quality: 2,839 global accepts · Rating: 3200 · first AC: 2022-08-26 · last AC: 2022-08-26 · C++14 (GCC 6-32) (first AC) · Tags: data structures, dfs and similar, graphs, trees
[leOn's solution](#)

687.

1598G

[The Sum of Good Numbers](#) · [Tutorial](#)

Quality: 405 global accepts · Rating: 3200 · first AC: 2022-07-18 · C++14 (GCC 6-32) (first AC) · Tags: hashing, math, string suffix structures, strings
[leOn's solution](#)

688.

2122G

[Tree Parking](#) · [Tutorial](#)

Quality: 309 global accepts · Rating: 3300 · first AC: 2025-07-20 · C++20 (GCC 13-64) (first AC) · Tags: combinatorics, fft, math, trees
[leOn's solution](#)

689.

2081E

[Quantifier](#) · [Tutorial](#)

Quality: 80 global accepts · Rating: 3300 · first AC: 2025-06-15 · C++20 (GCC 13-64) (first AC) · Tags: combinatorics, dp, implementation
[leOn's solution](#)

690.

1886F

[Diamond Theft](#) · [Tutorial](#)

Quality: 247 global accepts · Rating: 3300 · first AC: 2025-03-19 · C++20 (GCC 13-64) (first AC) · Tags: data structures, greedy
[leOn's solution](#)

691.

1666A

[Admissible Map](#) · [Tutorial](#)

Quality: 136 global accepts · Rating: 3300 · first AC: 2025-03-13 · last AC: 2025-03-13 · C++20 (GCC 13-64) (first AC) · Tags: —
[leOn's solution](#)

692.

2077F

[AND x OR](#) · [Tutorial](#)

Quality: 261 global accepts · Rating: 3300 · first AC: 2025-03-10 · C++20 (GCC 13-64) (first AC) · Tags: bitmasks, constructive algorithms, dp
[leOn's solution](#)

693.

671E

[Organizing a Race](#) · [Tutorial](#)

Quality: 492 global accepts · Rating: 3300 · first AC: 2024-12-22 · C++20 (GCC 13-64) (first AC) · Tags: data structures, greedy
[leOn's solution](#)

694.

2034H

[Rayan vs. Rayaneh](#) · [Tutorial](#)

Quality: 196 global accepts · Rating: 3300 · first AC: 2024-11-30 · C++20 (GCC 13-64) (first AC) · Tags: brute force, dfs and similar, dp, number theory
[leOn's solution](#)

695.

1427G

[One Billion Shades of Grey](#) · [Tutorial](#)

Quality: 497 global accepts · Rating: 3300 · first AC: 2024-10-21 · last AC: 2024-10-21 · C++20 (GCC 13-64) (first AC) · Tags: flows, graphs
[leOn's solution](#)

696.

1270H

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

Quality: 1,005 global accepts · Rating: 3300 · first AC: 2024-10-13 · C++20 (GCC 13-64) (first AC) · Tags: data structures
[leOn's solution](#)

697.

1938D

[Bánh Bò](#) · [Tutorial](#)

Quality: 111 global accepts · Rating: 3300 · first AC: 2024-09-03 · C++20 (GCC 13-64) (first AC) · Tags: —
[leOn's solution](#)

698.

1641E

[Special Positions](#) · [Tutorial](#)

Quality: 290 global accepts · Rating: 3300 · first AC: 2024-04-29 · last AC: 2024-04-30 · C++20 (GCC 13-64) (first AC) · Tags: combinatorics, divide and conquer, fft, math
[leOn's solution](#)

699.

1329E

[Dreamoon Loves AA](#) · [Tutorial](#)

Quality: 266 global accepts · Rating: 3300 · first AC: 2024-04-29 · last AC: 2024-04-29 · C++20 (GCC 13-64) (first AC) · Tags: binary search,

greedy

[leOn's solution](#)

700.

1965F

[Conference](#) · [Tutorial](#)

Quality: 279 global accepts · Rating: 3300 · first AC: 2024-04-28 · C++20 (GCC 13-64) (first AC) · Tags: data structures, flows

[leOn's solution](#)

701.

1750G

[Doping](#) · [Tutorial](#)

Quality: 352 global accepts · Rating: 3300 · first AC: 2024-04-26 · last AC: 2024-04-26 · C++20 (GCC 13-64) (first AC) · Tags: combinatorics, dp, math

[leOn's solution](#)

702.

1368H1

[Breadboard Capacity \(easy version\)](#) · [Tutorial](#)

Quality: 456 global accepts · Rating: 3300 · first AC: 2024-03-28 · last AC: 2024-03-28 · C++17 (GCC 7-32) (first AC) · Tags: dp, flows, greedy

[leOn's solution](#)

703.

1943E2

[MEX Game 2 \(Hard Version\)](#) · [Tutorial](#)

Quality: 371 global accepts · Rating: 3300 · first AC: 2024-03-17 · last AC: 2024-03-17 · C++17 (GCC 7-32) (first AC) · Tags: binary search, greedy, two pointers

[leOn's solution](#)

704.

1718D

[Permutation for Burenka](#) · [Tutorial](#)

Quality: 418 global accepts · Rating: 3300 · first AC: 2024-02-29 · last AC: 2024-02-29 · C++20 (GCC 11-64) (first AC) · Tags: data structures, graph matchings, greedy, math, trees

[leOn's solution](#)

705.

1450H2

[Multithreading \(Hard Version\)](#) · [Tutorial](#)

Quality: 277 global accepts · Rating: 3300 · first AC: 2024-01-16 · last AC: 2024-01-16 · C++14 (GCC 6-32) (first AC) · Tags: combinatorics, implementation, math

[leOn's solution](#)

706.

865G

[Flowers and Chocolate](#) · [Tutorial](#)

Quality: 165 global accepts · Rating: 3300 · first AC: 2024-01-14 · last AC: 2024-01-14 · C++14 (GCC 6-32) (first AC) · Tags: combinatorics, math, matrices

[leOn's solution](#)

707.

878E

[Numbers on the blackboard](#) · [Tutorial](#)

Quality: 737 global accepts · Rating: 3300 · first AC: 2024-01-10 · last AC: 2024-01-10 · C++14 (GCC 6-32) (first AC) · Tags: combinatorics, dp

[leOn's solution](#)

708.

1408H

[Rainbow Triples](#) · [Tutorial](#)

Quality: 552 global accepts · Rating: 3300 · first AC: 2023-11-22 · last AC: 2023-11-23 · C++20 (GCC 11-64) (first AC) · Tags: binary search, data structures, flows, greedy

[leOn's solution](#)

709.

1416F

[Showing Off](#) · [Tutorial](#)

Quality: 603 global accepts · Rating: 3300 · first AC: 2023-11-23 · last AC: 2023-11-23 · C++20 (GCC 11-64) (first AC) · Tags: flows, graph matchings, greedy, implementation

[leOn's solution](#)

710.

639F

[Bear and Chemistry](#) · [Tutorial](#)

Quality: 450 global accepts · Rating: 3300 · first AC: 2023-06-10 · C++14 (GCC 6-32) (first AC) · Tags: data structures, dfs and similar, graphs, trees

[leOn's solution](#)

711.

623E

[Transforming Sequence](#) · [Tutorial](#)

Quality: 614 global accepts · Rating: 3300 · first AC: 2023-02-20 · C++14 (GCC 6-32) (first AC) · Tags: combinatorics, dp, fft, math

[leOn's solution](#)

712.

700E

[Cool Slogans](#) · [Tutorial](#)

Quality: 1,390 global accepts · Rating: 3300 · first AC: 2022-07-18 · C++14 (GCC 6-32) (first AC) · Tags: string suffix structures, strings

[leOn's solution](#)

713.

1710D

[Recover the Tree](#) · [Tutorial](#)

Quality: 560 global accepts · Rating: 3400 · first AC: 2025-05-06 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, trees

[leOn's solution](#)

714.

1887F

[Minimum Segments](#) · [Tutorial](#)

Quality: 246 global accepts · Rating: 3400 · first AC: 2025-03-18 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms

[leOn's solution](#)

715.

1787I

[Treasure Hunt](#) · [Tutorial](#)

Quality: 360 global accepts · Rating: 3400 · first AC: 2025-03-10 · C++20 (GCC 13-64) (first AC) · Tags: data structures, divide and conquer, two pointers

[leOn's solution](#)

716.

1137F

[Matches Are Not a Child's Play](#) · [Tutorial](#)

Quality: 526 global accepts · Rating: 3400 · first AC: 2024-04-21 · last AC: 2024-04-21 · C++20 (GCC 13-64) (first AC) · Tags: data structures, trees

[leOn's solution](#)

717.

1936E

[Yet Yet Another Permutation Problem](#) · [Tutorial](#)

Quality: 147 global accepts · Rating: 3400 · first AC: 2024-04-12 · last AC: 2024-04-12 · C++20 (GCC 13-64) (first AC) · Tags: divide and conquer, fft, math

[leOn's solution](#)

718.

715E

[Complete the Permutations](#) · [Tutorial](#)

Quality: 454 global accepts · Rating: 3400 · first AC: 2024-03-16 · last AC: 2024-03-16 · C++17 (GCC 7-32) (first AC) · Tags: combinatorics, fft, graphs, math

[leOn's solution](#)

719.

1784F

[Minimums or Medians](#) · [Tutorial](#)

Quality: 364 global accepts · Rating: 3400 · first AC: 2024-02-29 · last AC: 2024-02-29 · C++20 (GCC 11-64) (first AC) · Tags: —

[leOn's solution](#)

720.

1553I

[Stairs](#) · [Tutorial](#)

Quality: 314 global accepts · Rating: 3400 · first AC: 2024-02-25 · last AC: 2024-02-25 · C++20 (GCC 11-64) (first AC) · Tags: combinatorics, divide and conquer, dp, fft, math

[leOn's solution](#)

721.

739D

[Recover a functional graph](#) · [Tutorial](#)

Quality: 215 global accepts · Rating: 3400 · first AC: 2024-01-18 · last AC: 2024-01-18 · C++20 (GCC 11-64) (first AC) · Tags: graph matchings

[leOn's solution](#)

722.

1242D

[Number Discovery](#) · [Tutorial](#)

Quality: 234 global accepts · Rating: 3400 · first AC: 2023-08-29 · last AC: 2023-08-29 · C++20 (GCC 11-64) (first AC) · Tags: math

[leOn's solution](#)

723.

1007E

[Mini Metro](#) · [Tutorial](#)

Quality: 248 global accepts · Rating: 3400 · first AC: 2023-08-07 · last AC: 2023-08-07 · C++20 (GCC 11-64) (first AC) · Tags: dp

[leOn's solution](#)

724.

2157I

[Hyper Smawk Bros](#) · [Tutorial](#)

Quality: 171 global accepts · Rating: 3500 · first AC: 2025-11-25 · C++23 (GCC 14-64, msys2) (first AC) · Tags: dp, games

[leOn's solution](#)

725.

1938M

[Zig-zag](#) · [Tutorial](#)

Quality: 96 global accepts · Rating: 3500 · first AC: 2025-10-29 · C++23 (GCC 14-64, msys2) (first AC) · Tags: —

[leOn's solution](#)

726.

2150G

[Counting Is Fun: The Finale](#) · [Tutorial](#)

Quality: 82 global accepts · Rating: 3500 · first AC: 2025-09-25 · C++23 (GCC 14-64, msys2) (first AC) · Tags: combinatorics, implementation

[leOn's solution](#)

727.

1874F

[Jellyfish and OEIS](#) · [Tutorial](#)

Quality: 443 global accepts · Rating: 3500 · first AC: 2025-06-06 · C++20 (GCC 13-64) (first AC) · Tags: dp

[leOn's solution](#)

728.

1338E

[JYPnation](#) · [Tutorial](#)

Quality: 408 global accepts · Rating: 3500 · first AC: 2025-05-30 · C++20 (GCC 13-64) (first AC) · Tags: graphs

[leOn's solution](#)

729.

1290F

[Making Shapes](#) · [Tutorial](#)

Quality: 591 global accepts · Rating: 3500 · first AC: 2025-05-27 · C++20 (GCC 13-64) (first AC) · Tags: dp

[leOn's solution](#)

730.

1975H

[378QAQ and Core](#) · [Tutorial](#)

Quality: 217 global accepts · Rating: 3500 · first AC: 2025-05-07 · C++20 (GCC 13-64) (first AC) · Tags: greedy, strings

[leOn's solution](#)

731.

1707E

[Replace](#) · [Tutorial](#)

Quality: 936 global accepts · Rating: 3500 · first AC: 2025-04-15 · C++20 (GCC 13-64) (first AC) · Tags: binary search, data structures

[leOn's solution](#)

732.

1336E2

[Chiori and Doll Picking \(hard version\)](#) · [Tutorial](#)

Quality: 482 global accepts · Rating: 3500 · first AC: 2025-04-02 · C++20 (GCC 13-64) (first AC) · Tags: bitmasks, brute force, combinatorics, math

[leOn's solution](#)

733.

2089E

[Black Cat Collapse](#) · [Tutorial](#)

Quality: 127 global accepts · Rating: 3500 · first AC: 2025-03-27 · last AC: 2025-03-27 · C++20 (GCC 13-64) (first AC) · Tags: —

[leOn's solution](#)

734.

1534H

[Lost Nodes](#) · [Tutorial](#)

Quality: 255 global accepts · Rating: 3500 · first AC: 2024-11-28 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, dp, graphs, interactive, sortings, trees

[leOn's solution](#)

735.

2029H

[Message Spread](#) · [Tutorial](#)

Quality: 111 global accepts · Rating: 3500 · first AC: 2024-11-10 · C++20 (GCC 13-64) (first AC) · Tags: bitmasks, brute force, combinatorics, dp

[leOn's solution](#)

736.

1439E

[Cheat and Win](#) · [Tutorial](#)

Quality: 248 global accepts · Rating: 3500 · first AC: 2024-06-21 · last AC: 2024-06-21 · C++20 (GCC 13-64) (first AC) · Tags: bitmasks, data structures, games, trees

[leOn's solution](#)

737.

1479E

[School Clubs](#) · [Tutorial](#)

Quality: 265 global accepts · Rating: 3500 · first AC: 2024-05-11 · last AC: 2024-05-11 · C++20 (GCC 13-64) (first AC) · Tags: dp, fft, math, number theory, probabilities

[leOn's solution](#)

738.

1464F

[My Beautiful Madness](#) · [Tutorial](#)

Quality: 443 global accepts · Rating: 3500 · first AC: 2024-04-25 · last AC: 2024-04-25 · C++20 (GCC 13-64) (first AC) · Tags: data structures, trees

[leOn's solution](#)

739.

1919G

[Tree LGM](#) · [Tutorial](#)

Quality: 210 global accepts · Rating: 3500 · first AC: 2024-04-18 · last AC: 2024-04-18 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, divide and conquer, games, trees

[leOn's solution](#)

740.

1942H

[Farmer John's Favorite Intern](#) · [Tutorial](#)

Quality: 207 global accepts · Rating: 3500 · first AC: 2024-04-03 · last AC: 2024-04-04 · C++20 (GCC 13-64) (first AC) · Tags: data structures, dp, flows, trees

[leOn's solution](#)

741.

1368H2

[Breadboard Capacity \(hard version\)](#) · [Tutorial](#)

Quality: 281 global accepts · Rating: 3500 · first AC: 2024-03-28 · last AC: 2024-03-28 · C++17 (GCC 7-32) (first AC) · Tags: —

[leOn's solution](#)

742.

1930I

[Counting Is Fun](#) · [Tutorial](#)

Quality: 102 global accepts · Rating: 3500 · first AC: 2024-02-19 · last AC: 2024-02-22 · C++20 (GCC 11-64) (first AC) · Tags: combinatorics

[leOn's solution](#)

743.

1456E

[XOR-ranges](#) · [Tutorial](#)

Quality: 384 global accepts · Rating: 3500 · first AC: 2023-07-13 · C++20 (GCC 11-64) (first AC) · Tags: dp, greedy

[leOn's solution](#)

744.

1033G

[Chip Game](#) · [Tutorial](#)

Quality: 502 global accepts · Rating: 3500 · first AC: 2022-03-31 · C++14 (GCC 6-32) (first AC) · Tags: games

[leOn's solution](#)

745.

1662J

[Training Camp](#) · [Tutorial](#)

Quality: 298 global accepts · Rating: — · first AC: 2025-04-09 · C++20 (GCC 13-64) (first AC) · Tags: flows, graphs

[leOn's solution](#)

746.

2095B

[Plinko](#) · [Tutorial](#)

Quality: 5,995 global accepts · Rating: — · first AC: 2025-04-02 · C++20 (GCC 13-64) (first AC) · Tags: *special, games, interactive

[leOn's solution](#)

747.

2095I

[Mysterious Script](#) · [Tutorial](#)

Quality: 640 global accepts · Rating: — · first AC: 2025-04-02 · C++20 (GCC 13-64) (first AC) · Tags: *special, expression parsing, number theory

[leOn's solution](#)

748.

2095G

[Definitely a Geometry Problem](#) · [Tutorial](#)

Quality: 960 global accepts · Rating: — · first AC: 2025-04-02 · C++20 (GCC 13-64) (first AC) · Tags: *special, geometry

[leOn's solution](#)

749.

2095D

[Where Am I?](#) · [Tutorial](#)

Quality: 5,302 global accepts · Rating: — · first AC: 2025-04-02 · C++20 (GCC 13-64) (first AC) · Tags: *special, geometry

[leOn's solution](#)

750.

2095E

[Pair Count](#) · [Tutorial](#)

Quality: 786 global accepts · Rating: — · first AC: 2025-04-02 · C++20 (GCC 13-64) (first AC) · Tags: *special, number theory

[leOn's solution](#)

751.

1952J

[Help, what does it mean to be "Based" · Tutorial](#)

Quality: 903 global accepts · Rating: — · first AC: 2024-04-02 · C++20 (GCC 13-64) (first AC) · Tags: *special, brute force, constructive algorithms, expression parsing, implementation, sortings

[leOn's solution](#)

752.

1952D

[Are You a Procrastinator? · Tutorial](#)

Quality: 5,359 global accepts · Rating: — · first AC: 2024-04-02 · PHP (first AC) · Tags: *special, implementation

[leOn's solution](#)

753.

1952A

[Are You a Robot, Again? · Tutorial](#)

Quality: 14,101 global accepts · Rating: — · first AC: 2024-04-02 · PHP (first AC) · Tags: *special, strings

[leOn's solution](#)

754.

1952B

[Is it stated? · Tutorial](#)

Quality: 12,333 global accepts · Rating: — · first AC: 2024-04-02 · C++20 (GCC 13-64) (first AC) · Tags: *special, strings

[leOn's solution](#)