

## [CF Elite Tracker](https://cfelitetracker.vercel.app)

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# Unique solved — 321zdg

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

Sort: [Problem rating](#) · [easier first](#)

Filters: none

Count: 176

1.

1747A

[Two Groups](#) · [Tutorial](#)

Quality: 26,484 global accepts · Rating: 800 · first AC: 2022-11-04 · C++17 (GCC 9-64) (first AC) · Tags: [constructive algorithms](#), [greedy](#)  
[321zdg's solution](#)

2.

1740B

[Jumbo Extra Cheese 2](#) · [Tutorial](#)

Quality: 14,352 global accepts · Rating: 800 · first AC: 2022-10-29 · C++17 (GCC 9-64) (first AC) · Tags: [geometry](#), [greedy](#), [sortings](#)  
[321zdg's solution](#)

3.

1740A

[Factorise N+M](#) · [Tutorial](#)

Quality: 23,156 global accepts · Rating: 800 · first AC: 2022-10-29 · C++17 (GCC 9-64) (first AC) · Tags: [constructive algorithms](#), [number theory](#)  
[321zdg's solution](#)

4.

1746B

[Rebellion](#) · [Tutorial](#)

Quality: 18,637 global accepts · Rating: 800 · first AC: 2022-10-15 · C++17 (GCC 9-64) (first AC) · Tags: [constructive algorithms](#), [greedy](#), [two pointers](#)  
[321zdg's solution](#)

5.

1746A

[Maxmina](#) · [Tutorial](#)

Quality: 21,066 global accepts · Rating: 800 · first AC: 2022-10-15 · C++17 (GCC 9-64) (first AC) · Tags: [constructive algorithms](#), [greedy](#)  
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6.

1736A

[Make A Equal to B](#) · [Tutorial](#)

Quality: 24,153 global accepts · Rating: 800 · first AC: 2022-10-10 · C++17 (GCC 9-64) (first AC) · Tags: [brute force](#), [greedy](#), [sortings](#)  
[321zdg's solution](#)

7.

1735A

[Working Week](#) · [Tutorial](#)

Quality: 21,056 global accepts · Rating: 800 · first AC: 2022-10-02 · C++20 (GCC 11-64) (first AC) · Tags: [constructive algorithms](#), [greedy](#), [math](#)  
[321zdg's solution](#)

8.

1738A

[Glory Addicts](#) · [Tutorial](#)

Quality: 14,193 global accepts · Rating: 800 · first AC: 2022-09-30 · C++20 (GCC 11-64) (first AC) · Tags: [greedy](#), [implementation](#), [sortings](#)  
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9.

1712B

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

Quality: 22,398 global accepts · Rating: 800 · first AC: 2022-08-13 · C++20 (GCC 11-64) (first AC) · Tags: [constructive algorithms](#), [greedy](#), [number theory](#)  
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**10.**

1712A

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

Quality: 25,056 global accepts · Rating: 800 · first AC: 2022-08-13 · C++20 (GCC 11-64) (first AC) · Tags: greedy, implementation  
[321zdq's solution](#)

**11.**

1716B

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

Quality: 21,953 global accepts · Rating: 800 · first AC: 2022-08-04 · C++17 (GCC 9-64) (first AC) · Tags: constructive algorithms, math  
[321zdq's solution](#)

**12.**

1716A

[2-3 Moves](#) · [Tutorial](#)

Quality: 35,845 global accepts · Rating: 800 · first AC: 2022-08-04 · C++17 (GCC 9-64) (first AC) · Tags: greedy, math  
[321zdq's solution](#)

**13.**

1708A

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

Quality: 22,573 global accepts · Rating: 800 · first AC: 2022-07-16 · C++17 (GCC 9-64) (first AC) · Tags: greedy, math  
[321zdq's solution](#)

**14.**

1701B

[Permutation](#) · [Tutorial](#)

Quality: 20,810 global accepts · Rating: 800 · first AC: 2022-07-08 · C++17 (GCC 9-64) (first AC) · Tags: greedy  
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**15.**

1701A

[Grass Field](#) · [Tutorial](#)

Quality: 27,542 global accepts · Rating: 800 · first AC: 2022-07-08 · C++17 (GCC 9-64) (first AC) · Tags: implementation  
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**16.**

1684B

[Z mod X = C](#) · [Tutorial](#)

Quality: 21,845 global accepts · Rating: 800 · first AC: 2022-05-19 · C++17 (GCC 9-64) (first AC) · Tags: constructive algorithms, math  
[321zdq's solution](#)

**17.**

1684A

[Digit Minimization](#) · [Tutorial](#)

Quality: 24,936 global accepts · Rating: 800 · first AC: 2022-05-19 · C++17 (GCC 9-64) (first AC) · Tags: constructive algorithms, games, math, strings  
[321zdq's solution](#)

**18.**

1680B

[Robots](#) · [Tutorial](#)

Quality: 19,085 global accepts · Rating: 800 · first AC: 2022-05-13 · C++17 (GCC 9-64) (first AC) · Tags: implementation  
[321zdq's solution](#)

**19.**

1680A

[Minimums and Maximums](#) · [Tutorial](#)

Quality: 22,351 global accepts · Rating: 800 · first AC: 2022-05-13 · C++17 (GCC 9-64) (first AC) · Tags: brute force, math  
[321zdq's solution](#)

**20.**

1673A

[Subtle Substring Subtraction](#) · [Tutorial](#)

Quality: 19,141 global accepts · Rating: 800 · first AC: 2022-04-30 · C++17 (GCC 9-64) (first AC) · Tags: games, greedy, strings  
[321zdq's solution](#)

**21.**

1672B

[I love AAAB](#) · [Tutorial](#)

Quality: 16,468 global accepts · Rating: 800 · first AC: 2022-04-23 · C++17 (GCC 9-64) (first AC) · Tags: constructive algorithms, implementation

[321zdz's solution](#)

**22.**

1672A

[Log Chopping](#) · [Tutorial](#)

Quality: 16,817 global accepts · Rating: 800 · first AC: 2022-04-23 · C++17 (GCC 9-64) (first AC) · Tags: games, implementation, math

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**23.**

1671A

[String Building](#) · [Tutorial](#)

Quality: 21,387 global accepts · Rating: 800 · first AC: 2022-04-22 · C++17 (GCC 9-64) (first AC) · Tags: implementation

[321zdz's solution](#)

**24.**

1656A

[Good Pairs](#) · [Tutorial](#)

Quality: 20,454 global accepts · Rating: 800 · first AC: 2022-03-24 · C++17 (GCC 9-64) (first AC) · Tags: math, sortings

[321zdz's solution](#)

**25.**

1657B

[XY Sequence](#) · [Tutorial](#)

Quality: 23,609 global accepts · Rating: 800 · first AC: 2022-03-22 · C++17 (GCC 9-64) (first AC) · Tags: greedy

[321zdz's solution](#)

**26.**

1657A

[Integer Moves](#) · [Tutorial](#)

Quality: 24,893 global accepts · Rating: 800 · first AC: 2022-03-22 · C++17 (GCC 9-64) (first AC) · Tags: brute force, math

[321zdz's solution](#)

**27.**

1646B

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

Quality: 22,680 global accepts · Rating: 800 · first AC: 2022-03-04 · C++17 (GCC 9-64) (first AC) · Tags: brute force, constructive algorithms, greedy, sortings, two pointers

[321zdz's solution](#)

**28.**

1646A

[Square Counting](#) · [Tutorial](#)

Quality: 25,390 global accepts · Rating: 800 · first AC: 2022-03-04 · C++17 (GCC 9-64) (first AC) · Tags: math

[321zdz's solution](#)

**29.**

1644B

[Anti-Fibonacci Permutation](#) · [Tutorial](#)

Quality: 21,320 global accepts · Rating: 800 · first AC: 2022-02-22 · C++17 (GCC 9-64) (first AC) · Tags: brute force, constructive algorithms, implementation

[321zdz's solution](#)

**30.**

1644A

[Doors and Keys](#) · [Tutorial](#)

Quality: 28,639 global accepts · Rating: 800 · first AC: 2022-02-22 · C++17 (GCC 9-64) (first AC) · Tags: implementation

[321zdz's solution](#)

**31.**

1625A

[Ancient Civilization](#) · [Tutorial](#)

Quality: 18,286 global accepts · Rating: 800 · first AC: 2022-01-12 · C++17 (GCC 9-64) (first AC) · Tags: bitmasks, greedy, math  
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**32.**

1621A

[Stable Arrangement of Rooks](#) · [Tutorial](#)

Quality: 24,767 global accepts · Rating: 800 · first AC: 2022-01-03 · C++17 (GCC 9-64) (first AC) · Tags: constructive algorithms  
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**33.**

1616A

[Integer Diversity](#) · [Tutorial](#)

Quality: 23,829 global accepts · Rating: 800 · first AC: 2021-12-29 · C++17 (GCC 9-64) (first AC) · Tags: implementation  
[321zdz's solution](#)

**34.**

1615A

[Closing The Gap](#) · [Tutorial](#)

Quality: 21,579 global accepts · Rating: 800 · first AC: 2021-12-24 · C++17 (GCC 9-64) (first AC) · Tags: greedy, math  
[321zdz's solution](#)

**35.**

1614A

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

Quality: 24,592 global accepts · Rating: 800 · first AC: 2021-11-26 · C++17 (GCC 9-64) (first AC) · Tags: brute force, constructive algorithms, greedy  
[321zdz's solution](#)

**36.**

1612A

[Distance](#) · [Tutorial](#)

Quality: 18,211 global accepts · Rating: 800 · first AC: 2021-11-22 · C++17 (GCC 9-64) (first AC) · Tags: brute force, constructive algorithms  
[321zdz's solution](#)

**37.**

1604A

[Era](#) · [Tutorial](#)

Quality: 22,638 global accepts · Rating: 800 · first AC: 2021-10-30 · C++17 (GCC 9-64) (first AC) · Tags: greedy  
[321zdz's solution](#)

**38.**

1586A

[Windblume Ode](#) · [Tutorial](#)

Rating: 800 · first AC: 2021-10-17 · C++17 (GCC 9-64) (first AC) · Tags: brute force, constructive algorithms, greedy, math, number theory  
[321zdz's solution](#)

**39.**

1569A

[Balanced Substring](#) · [Tutorial](#)

Quality: 26,553 global accepts · Rating: 800 · first AC: 2021-09-08 · C++17 (GCC 9-64) (first AC) · Tags: implementation  
[321zdz's solution](#)

**40.**

1550A

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Quality: 29,461 global accepts · Rating: 800 · first AC: 2021-07-14 · C++17 (GCC 9-64) (first AC) · Tags: greedy, math  
[321zdz's solution](#)

**41.**

1515A

[Phoenix and Gold](#) · [Tutorial](#)

Quality: 21,121 global accepts · Rating: 800 · first AC: 2021-05-02 · C++17 (GCC 9-64) (first AC) · Tags: constructive algorithms, greedy, math  
[321zdz's solution](#)

**42.**

1519B

[The Cake Is a Lie](#) · [Tutorial](#)

Quality: 33,397 global accepts · Rating: 800 · first AC: 2021-04-29 · C++17 (GCC 9-64) (first AC) · Tags: dp, math

[321zdq's solution](#)

**43.**

1519A

[Red and Blue Beans](#) · [Tutorial](#)

Quality: 30,559 global accepts · Rating: 800 · first AC: 2021-04-29 · C++17 (GCC 9-64) (first AC) · Tags: math

[321zdq's solution](#)

**44.**

1517A

[Sum of 2050](#) · [Tutorial](#)

Quality: 26,881 global accepts · Rating: 800 · first AC: 2021-04-23 · C++17 (GCC 9-64) (first AC) · Tags: greedy, math

[321zdq's solution](#)

**45.**

1509A

[Average Height](#) · [Tutorial](#)

Quality: 27,201 global accepts · Rating: 800 · first AC: 2021-04-16 · C++17 (GCC 9-64) (first AC) · Tags: constructive algorithms

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**46.**

1747B

[BAN BAN](#) · [Tutorial](#)

Quality: 25,955 global accepts · Rating: 900 · first AC: 2022-11-04 · C++17 (GCC 9-64) (first AC) · Tags: constructive algorithms

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**47.**

1737A

[Ela Sorting Books](#) · [Tutorial](#)

Quality: 10,851 global accepts · Rating: 900 · first AC: 2022-10-07 · C++17 (GCC 9-64) (first AC) · Tags: greedy, implementation, strings

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**48.**

1735B

[Tea with Tangerines](#) · [Tutorial](#)

Quality: 19,318 global accepts · Rating: 900 · first AC: 2022-10-02 · C++20 (GCC 11-64) (first AC) · Tags: greedy, math

[321zdq's solution](#)

**49.**

1726A

[Mainak and Array](#) · [Tutorial](#)

Quality: 36,543 global accepts · Rating: 900 · first AC: 2022-09-06 · C++20 (GCC 11-64) (first AC) · Tags: greedy, math

[321zdq's solution](#)

**50.**

1609A

[Divide and Multiply](#) · [Tutorial](#)

Quality: 18,895 global accepts · Rating: 900 · first AC: 2021-11-28 · C++17 (GCC 9-64) (first AC) · Tags: greedy, implementation, math, number theory

[321zdq's solution](#)

**51.**

1610A

[Anti Light's Cell Guessing](#) · [Tutorial](#)

Quality: 17,072 global accepts · Rating: 900 · first AC: 2021-11-23 · C++17 (GCC 9-64) (first AC) · Tags: math

[321zdq's solution](#)

**52.**

1612B

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

Quality: 18,432 global accepts · Rating: 900 · first AC: 2021-11-22 · C++17 (GCC 9-64) (first AC) · Tags: constructive algorithms, greedy

[321zdq's solution](#)

**53.**

1496A

[Split it!](#) · [Tutorial](#)

Quality: 22,242 global accepts · Rating: 900 · first AC: 2021-03-10 · C++17 (GCC 9-64) (first AC) · Tags: brute force, constructive algorithms, greedy, strings

[321zdq's solution](#)

**54.**

1671B

[Consecutive Points Segment](#) · [Tutorial](#)

Quality: 19,737 global accepts · Rating: 1000 · first AC: 2022-04-22 · C++17 (GCC 9-64) (first AC) · Tags: brute force, math, sortings

[321zdq's solution](#)

**55.**

1614B

[Divan and a New Project](#) · [Tutorial](#)

Quality: 29,027 global accepts · Rating: 1000 · first AC: 2021-11-27 · C++17 (GCC 9-64) (first AC) · Tags: constructive algorithms, sortings

[321zdq's solution](#)

**56.**

1569B

[Chess Tournament](#) · [Tutorial](#)

Quality: 19,862 global accepts · Rating: 1000 · first AC: 2021-09-08 · C++17 (GCC 9-64) (first AC) · Tags: constructive algorithms

[321zdq's solution](#)

**57.**

1550B

[Maximum Cost Deletion](#) · [Tutorial](#)

Quality: 28,553 global accepts · Rating: 1000 · first AC: 2021-07-14 · C++17 (GCC 9-64) (first AC) · Tags: greedy, math

[321zdq's solution](#)

**58.**

1515B

[Phoenix and Puzzle](#) · [Tutorial](#)

Quality: 27,063 global accepts · Rating: 1000 · first AC: 2021-05-02 · C++17 (GCC 9-64) (first AC) · Tags: brute force, geometry, math, number theory

[321zdq's solution](#)

**59.**

1726B

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

Quality: 16,848 global accepts · Rating: 1100 · first AC: 2022-09-06 · C++20 (GCC 11-64) (first AC) · Tags: bitmasks, constructive algorithms, math

[321zdq's solution](#)

**60.**

1712C

[Sort Zero](#) · [Tutorial](#)

Quality: 21,267 global accepts · Rating: 1100 · first AC: 2022-08-13 · C++20 (GCC 11-64) (first AC) · Tags: greedy, sortings

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**61.**

1708B

[Difference of GCDs](#) · [Tutorial](#)

Quality: 28,411 global accepts · Rating: 1100 · first AC: 2022-07-16 · C++17 (GCC 9-64) (first AC) · Tags: constructive algorithms, math

[321zdq's solution](#)

**62.**

1673B

[A Perfectly Balanced String?](#) · [Tutorial](#)

Quality: 21,772 global accepts · Rating: 1100 · first AC: 2022-04-30 · C++17 (GCC 9-64) (first AC) · Tags: brute force, greedy, strings

[321zdq's solution](#)

**63.**

1672C

[Unequal Array](#) · [Tutorial](#)

Quality: 14,035 global accepts · Rating: 1100 · first AC: 2022-04-23 · C++17 (GCC 9-64) (first AC) · Tags: constructive algorithms, greedy, implementation

[321zdq's solution](#)

**64.**

1656B

[Subtract Operation](#) · [Tutorial](#)

Quality: 26,805 global accepts · Rating: 1100 · first AC: 2022-03-24 · C++17 (GCC 9-64) (first AC) · Tags: data structures, greedy, math, two pointers

[321zdz's solution](#)

**65.**

1625B

[Elementary Particles](#) · [Tutorial](#)

Quality: 16,858 global accepts · Rating: 1100 · first AC: 2022-01-12 · C++17 (GCC 9-64) (first AC) · Tags: brute force, greedy, sortings

[321zdz's solution](#)

**66.**

1616B

[Mirror in the String](#) · [Tutorial](#)

Quality: 20,709 global accepts · Rating: 1100 · first AC: 2021-12-29 · C++17 (GCC 9-64) (first AC) · Tags: greedy, strings

[321zdz's solution](#)

**67.**

1609B

[William the Vigilant](#) · [Tutorial](#)

Quality: 12,147 global accepts · Rating: 1100 · first AC: 2021-11-28 · C++17 (GCC 9-64) (first AC) · Tags: implementation, strings

[321zdz's solution](#)

**68.**

1610B

[Kalindrome Array](#) · [Tutorial](#)

Quality: 23,383 global accepts · Rating: 1100 · first AC: 2021-11-23 · C++17 (GCC 9-64) (first AC) · Tags: greedy, two pointers

[321zdz's solution](#)

**69.**

1604B

[XOR Specia-LIS-t](#) · [Tutorial](#)

Quality: 16,334 global accepts · Rating: 1100 · first AC: 2021-10-30 · C++17 (GCC 9-64) (first AC) · Tags: —

[321zdz's solution](#)

**70.**

1509B

[TMT Document](#) · [Tutorial](#)

Quality: 23,055 global accepts · Rating: 1100 · first AC: 2021-04-16 · C++17 (GCC 9-64) (first AC) · Tags: greedy

[321zdz's solution](#)

**71.**

1496B

[Max and Mex](#) · [Tutorial](#)

Quality: 18,278 global accepts · Rating: 1100 · first AC: 2021-03-10 · C++17 (GCC 9-64) (first AC) · Tags: math

[321zdz's solution](#)

**72.**

1747C

[Swap Game](#) · [Tutorial](#)

Quality: 23,535 global accepts · Rating: 1200 · first AC: 2022-11-04 · C++17 (GCC 9-64) (first AC) · Tags: games

[321zdz's solution](#)

**73.**

1736B

[Playing with GCD](#) · [Tutorial](#)

Quality: 20,255 global accepts · Rating: 1200 · first AC: 2022-10-10 · C++17 (GCC 9-64) (first AC) · Tags: math, number theory

[321zdz's solution](#)

**74.**

1738B

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

Quality: 18,791 global accepts · Rating: 1200 · first AC: 2022-09-30 · C++20 (GCC 11-64) (first AC) · Tags: constructive algorithms, greedy, math, sortings

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**75.**

1671C

[Dolce Vita](#) · [Tutorial](#)

Quality: 25,386 global accepts · Rating: 1200 · first AC: 2022-04-22 · C++17 (GCC 9-64) (first AC) · Tags: binary search, brute force, greedy, math

[321zdz's solution](#)

**76.**

1656C

[Make Equal With Mod](#) · [Tutorial](#)

Quality: 21,005 global accepts · Rating: 1200 · first AC: 2022-03-24 · C++17 (GCC 9-64) (first AC) · Tags: constructive algorithms, math, number theory, sortings

[321zdz's solution](#)

**77.**

1517B

[Morning Jogging](#) · [Tutorial](#)

Quality: 13,834 global accepts · Rating: 1200 · first AC: 2021-04-23 · C++17 (GCC 9-64) (first AC) · Tags: constructive algorithms, greedy, sortings

[321zdz's solution](#)

**78.**

1497C1

[k-LCM \(easy version\)](#) · [Tutorial](#)

Quality: 29,226 global accepts · Rating: 1200 · first AC: 2021-03-17 · C++17 (GCC 9-64) (first AC) · Tags: constructive algorithms, math

[321zdz's solution](#)

**79.**

1496C

[Diamond Miner](#) · [Tutorial](#)

Rating: 1200 · first AC: 2021-03-10 · last AC: 2021-03-10 · C++17 (GCC 9-64) (first AC) · Tags: geometry, greedy, sortings

[321zdz's solution](#)

**80.**

1746C

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

Quality: 14,100 global accepts · Rating: 1300 · first AC: 2022-10-15 · C++17 (GCC 9-64) (first AC) · Tags: constructive algorithms, greedy, implementation, math

[321zdz's solution](#)

**81.**

1736C1

[Good Subarrays \(Easy Version\)](#) · [Tutorial](#)

Quality: 16,529 global accepts · Rating: 1300 · first AC: 2022-10-10 · C++17 (GCC 9-64) (first AC) · Tags: binary search, data structures, schedules, two pointers

[321zdz's solution](#)

**82.**

1737B

[Ela's Fitness and the Luxury Number](#) · [Tutorial](#)

Quality: 10,185 global accepts · Rating: 1300 · first AC: 2022-10-07 · C++17 (GCC 9-64) (first AC) · Tags: binary search, implementation, math

[321zdz's solution](#)

**83.**

1726C

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

Quality: 13,398 global accepts · Rating: 1300 · first AC: 2022-09-06 · C++20 (GCC 11-64) (first AC) · Tags: data structures, dsu, graphs, greedy

[321zdz's solution](#)

**84.**

1667A

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

Quality: 15,684 global accepts · Rating: 1300 · first AC: 2022-04-19 · C++17 (GCC 9-64) (first AC) · Tags: brute force, greedy, math

[321zdz's solution](#)

**85.**

1615B

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

Quality: 17,914 global accepts · Rating: 1300 · first AC: 2021-12-24 · C++17 (GCC 9-64) (first AC) · Tags: bitmasks, greedy, math  
[321zdz's solution](#)

**86.**

1612C

[Chat Ban](#) · [Tutorial](#)

Quality: 25,806 global accepts · Rating: 1300 · first AC: 2021-11-22 · C++17 (GCC 9-64) (first AC) · Tags: binary search, math  
[321zdz's solution](#)

**87.**

1604C

[Di-visible Confusion](#) · [Tutorial](#)

Rating: 1300 · first AC: 2021-10-30 · C++17 (GCC 9-64) (first AC) · Tags: brute force, greedy, math, number theory  
[321zdz's solution](#)

**88.**

1854A1

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

Quality: 15,890 global accepts · Rating: 1400 · first AC: 2023-07-29 · C++17 (GCC 9-64) (first AC) · Tags: constructive algorithms, math  
[321zdz's solution](#)

**89.**

1740C

[Bricks and Bags](#) · [Tutorial](#)

Quality: 12,334 global accepts · Rating: 1400 · first AC: 2022-10-29 · C++17 (GCC 9-64) (first AC) · Tags: constructive algorithms, games, greedy, sortings  
[321zdz's solution](#)

**90.**

1735C

[Phase Shift](#) · [Tutorial](#)

Quality: 10,933 global accepts · Rating: 1400 · first AC: 2022-10-02 · C++20 (GCC 11-64) (first AC) · Tags: dfs and similar, dsu, graphs, greedy, implementation, strings  
[321zdz's solution](#)

**91.**

1701C

[Schedule Management](#) · [Tutorial](#)

Quality: 23,840 global accepts · Rating: 1400 · first AC: 2022-07-08 · C++17 (GCC 9-64) (first AC) · Tags: binary search, greedy, implementation, two pointers  
[321zdz's solution](#)

**92.**

1648A

[Weird Sum](#) · [Tutorial](#)

Quality: 18,767 global accepts · Rating: 1400 · first AC: 2022-03-06 · C++17 (GCC 9-64) (first AC) · Tags: combinatorics, data structures, geometry, math, matrices, sortings  
[321zdz's solution](#)

**93.**

1644C

[Increase Subarray Sums](#) · [Tutorial](#)

Quality: 15,002 global accepts · Rating: 1400 · first AC: 2022-02-22 · C++17 (GCC 9-64) (first AC) · Tags: brute force, dp, greedy, implementation  
[321zdz's solution](#)

**94.**

1609C

[Complex Market Analysis](#) · [Tutorial](#)

Quality: 10,458 global accepts · Rating: 1400 · first AC: 2021-11-28 · C++17 (GCC 9-64) (first AC) · Tags: binary search, dp, implementation, number theory, schedules, two pointers  
[321zdz's solution](#)

**95.**

1515C

[Phoenix and Towers](#) · [Tutorial](#)

Quality: 18,751 global accepts · Rating: 1400 · first AC: 2021-05-02 · C++17 (GCC 9-64) (first AC) · Tags: constructive algorithms, data structures, greedy

[321zdq's solution](#)

**96.**

1519C

[Berland Regional](#) · [Tutorial](#)

Quality: 22,464 global accepts · Rating: 1400 · first AC: 2021-04-29 · C++17 (GCC 9-64) (first AC) · Tags: brute force, data structures, greedy, number theory, sortings

[321zdq's solution](#)

**97.**

1517C

[Fillomino 2](#) · [Tutorial](#)

Quality: 14,170 global accepts · Rating: 1400 · first AC: 2021-04-23 · C++17 (GCC 9-64) (first AC) · Tags: constructive algorithms, dfs and similar, greedy, implementation

[321zdq's solution](#)

**98.**

1740D

[Knowledge Cards](#) · [Tutorial](#)

Quality: 9,057 global accepts · Rating: 1500 · first AC: 2022-10-29 · C++17 (GCC 9-64) (first AC) · Tags: constructive algorithms, data structures

[321zdq's solution](#)

**99.**

1737C

[Ela and Crickets](#) · [Tutorial](#)

Quality: 6,414 global accepts · Rating: 1500 · first AC: 2022-10-07 · C++17 (GCC 9-64) (first AC) · Tags: constructive algorithms, games, implementation, math

[321zdq's solution](#)

**100.**

1738C

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

Quality: 12,773 global accepts · Rating: 1500 · first AC: 2022-09-30 · C++20 (GCC 11-64) (first AC) · Tags: dp, games, greedy, math

[321zdq's solution](#)

**101.**

1673C

[Palindrome Basis](#) · [Tutorial](#)

Quality: 18,009 global accepts · Rating: 1500 · first AC: 2022-04-30 · C++17 (GCC 9-64) (first AC) · Tags: brute force, dp, math, number theory

[321zdq's solution](#)

**102.**

1646C

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

Quality: 19,515 global accepts · Rating: 1500 · first AC: 2022-03-04 · C++17 (GCC 9-64) (first AC) · Tags: bitmasks, brute force, constructive algorithms, dp, math

[321zdq's solution](#)

**103.**

1621B

[Integers Shop](#) · [Tutorial](#)

Quality: 14,552 global accepts · Rating: 1500 · first AC: 2022-01-03 · C++17 (GCC 9-64) (first AC) · Tags: data structures, greedy, implementation

[321zdq's solution](#)

**104.**

1616C

[Representative Edges](#) · [Tutorial](#)

Quality: 13,203 global accepts · Rating: 1500 · first AC: 2021-12-29 · C++17 (GCC 9-64) (first AC) · Tags: brute force, geometry, implementation, math

[321zdq's solution](#)

**105.**

1614C

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

Quality: 11,313 global accepts · Rating: 1500 · first AC: 2021-11-26 · C++17 (GCC 9-64) (first AC) · Tags: bitmasks, combinatorics, constructive algorithms, dp, math

[321zdz's solution](#)

**106.**

1569C

[Jury Meeting](#) · [Tutorial](#)

Quality: 13,353 global accepts · Rating: 1500 · first AC: 2021-09-08 · C++17 (GCC 9-64) (first AC) · Tags: combinatorics, math

[321zdz's solution](#)

**107.**

1515D

[Phoenix and Socks](#) · [Tutorial](#)

Quality: 12,820 global accepts · Rating: 1500 · first AC: 2021-05-02 · C++17 (GCC 9-64) (first AC) · Tags: greedy, sortings, two pointers

[321zdz's solution](#)

**108.**

1708C

[Doremy's IQ](#) · [Tutorial](#)

Rating: 1600 · first AC: 2022-07-16 · C++17 (GCC 9-64) (first AC) · Tags: binary search, greedy

[321zdz's solution](#)

**109.**

1680C

[Binary String](#) · [Tutorial](#)

Quality: 11,129 global accepts · Rating: 1600 · first AC: 2022-05-13 · C++17 (GCC 9-64) (first AC) · Tags: binary search, greedy, strings, two pointers

[321zdz's solution](#)

**110.**

1671D

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

Quality: 8,459 global accepts · Rating: 1600 · first AC: 2022-04-22 · C++17 (GCC 9-64) (first AC) · Tags: brute force, constructive algorithms, greedy

[321zdz's solution](#)

**111.**

1615C

[Menorah](#) · [Tutorial](#)

Quality: 9,195 global accepts · Rating: 1600 · first AC: 2021-12-24 · C++17 (GCC 9-64) (first AC) · Tags: brute force, graphs, greedy, math

[321zdz's solution](#)

**112.**

1609D

[Social Network](#) · [Tutorial](#)

Quality: 8,399 global accepts · Rating: 1600 · first AC: 2021-11-28 · C++17 (GCC 9-64) (first AC) · Tags: dsu, graphs, greedy, implementation, trees

[321zdz's solution](#)

**113.**

1610C

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

Quality: 15,623 global accepts · Rating: 1600 · first AC: 2021-11-23 · C++17 (GCC 9-64) (first AC) · Tags: binary search, greedy

[321zdz's solution](#)

**114.**

1612D

[X-Magic Pair](#) · [Tutorial](#)

Quality: 10,263 global accepts · Rating: 1600 · first AC: 2021-11-22 · C++17 (GCC 9-64) (first AC) · Tags: math, number theory

[321zdz's solution](#)

**115.**

1604D

[Moderate Modular Mode](#) · [Tutorial](#)

Rating: 1600 · first AC: 2021-10-30 · C++17 (GCC 9-64) (first AC) · Tags: math, number theory

[321zdz's solution](#)

**116.**

1519D

[Maximum Sum of Products](#) · [Tutorial](#)

Quality: 17,631 global accepts · Rating: 1600 · first AC: 2021-04-29 · C++17 (GCC 9-64) (first AC) · Tags: brute force, dp, implementation, math, two pointers

[321zdz's solution](#)

**117.**

1497C2

[k-LCM \(hard version\)](#) · [Tutorial](#)

Quality: 19,478 global accepts · Rating: 1600 · first AC: 2021-03-17 · C++17 (GCC 9-64) (first AC) · Tags: constructive algorithms, math

[321zdz's solution](#)

**118.**

1735D

[Meta-set](#) · [Tutorial](#)

Quality: 6,773 global accepts · Rating: 1700 · first AC: 2022-10-02 · C++20 (GCC 11-64) (first AC) · Tags: brute force, combinatorics, data structures, hashing, math

[321zdz's solution](#)

**119.**

1672D

[Cyclic Rotation](#) · [Tutorial](#)

Quality: 6,939 global accepts · Rating: 1700 · first AC: 2022-04-23 · C++17 (GCC 9-64) (first AC) · Tags: constructive algorithms, greedy, implementation, two pointers

[321zdz's solution](#)

**120.**

1644D

[Cross Coloring](#) · [Tutorial](#)

Quality: 7,878 global accepts · Rating: 1700 · first AC: 2022-02-22 · C++17 (GCC 9-64) (first AC) · Tags: data structures, implementation, math

[321zdz's solution](#)

**121.**

1625C

[Road Optimization](#) · [Tutorial](#)

Quality: 13,286 global accepts · Rating: 1700 · first AC: 2022-01-12 · C++17 (GCC 9-64) (first AC) · Tags: dp

[321zdz's solution](#)

**122.**

1621C

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

Quality: 7,508 global accepts · Rating: 1700 · first AC: 2022-01-03 · C++17 (GCC 9-64) (first AC) · Tags: dfs and similar, interactive, math

[321zdz's solution](#)

**123.**

1550C

[Manhattan Subarrays](#) · [Tutorial](#)

Quality: 10,847 global accepts · Rating: 1700 · first AC: 2021-07-14 · C++17 (GCC 9-64) (first AC) · Tags: brute force, geometry, greedy, implementation

[321zdz's solution](#)

**124.**

1473D

[Program](#) · [Tutorial](#)

Quality: 10,968 global accepts · Rating: 1700 · first AC: 2021-01-14 · C++17 (GCC 9-64) (first AC) · Tags: data structures, dp, implementation, strings

[321zdz's solution](#)

**125.**

1740E

[Hanging Hearts](#) · [Tutorial](#)

Quality: 5,075 global accepts · Rating: 1800 · first AC: 2022-10-29 · C++17 (GCC 9-64) (first AC) · Tags: constructive algorithms, data structures, dfs and similar, dp, greedy, trees

[321zdq's solution](#)

**126.**

1718A1

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

Quality: 6,418 global accepts · Rating: 1800 · first AC: 2022-08-16 · C++20 (GCC 11-64) (first AC) · Tags: dp, greedy

[321zdq's solution](#)

**127.**

1648B

[Integral Array](#) · [Tutorial](#)

Quality: 7,260 global accepts · Rating: 1800 · first AC: 2022-03-06 · C++17 (GCC 9-64) (first AC) · Tags: brute force, constructive algorithms, data structures, math

[321zdq's solution](#)

**128.**

1517D

[Explorer Space](#) · [Tutorial](#)

Quality: 9,242 global accepts · Rating: 1800 · first AC: 2021-04-23 · C++17 (GCC 9-64) (first AC) · Tags: dp, graphs, shortest paths

[321zdq's solution](#)

**129.**

1509E

[Almost Sorted](#) · [Tutorial](#)

Rating: 1800 · first AC: 2021-04-16 · C++17 (GCC 9-64) (first AC) · Tags: brute force, constructive algorithms, math

[321zdq's solution](#)

**130.**

1509C

[The Sports Festival](#) · [Tutorial](#)

Quality: 15,305 global accepts · Rating: 1800 · first AC: 2021-04-16 · C++17 (GCC 9-64) (first AC) · Tags: dp, greedy

[321zdq's solution](#)

**131.**

1747D

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

Quality: 5,560 global accepts · Rating: 1900 · first AC: 2022-11-04 · C++17 (GCC 9-64) (first AC) · Tags: binary search, bitmasks, constructive algorithms, data structures

[321zdq's solution](#)

**132.**

1746D

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

Quality: 5,115 global accepts · Rating: 1900 · first AC: 2022-10-15 · C++17 (GCC 9-64) (first AC) · Tags: dfs and similar, dp, greedy, sortings, trees

[321zdq's solution](#)

**133.**

1738D

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

Quality: 3,746 global accepts · Rating: 1900 · first AC: 2022-09-30 · C++20 (GCC 11-64) (first AC) · Tags: constructive algorithms, data structures, dfs and similar, dsu, graphs, trees

[321zdq's solution](#)

**134.**

1718A2

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

Quality: 5,911 global accepts · Rating: 1900 · first AC: 2022-08-16 · C++20 (GCC 11-64) (first AC) · Tags: data structures, dp, greedy

[321zdq's solution](#)

**135.**

1708D

[Difference Array](#) · [Tutorial](#)

Rating: 1900 · first AC: 2022-07-16 · C++17 (GCC 9-64) (first AC) · Tags: brute force, sortings

[321zdq's solution](#)

**136.**

1701D

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

Quality: 6,269 global accepts · Rating: 1900 · first AC: 2022-07-08 · C++17 (GCC 9-64) (first AC) · Tags: binary search, data structures, greedy, math, sortings, two pointers

[321zdq's solution](#)

**137.**

1673D

[Lost Arithmetic Progression](#) · [Tutorial](#)

Quality: 3,625 global accepts · Rating: 1900 · first AC: 2022-04-30 · C++17 (GCC 9-64) (first AC) · Tags: combinatorics, math, number theory

[321zdq's solution](#)

**138.**

1656D

[K-good](#) · [Tutorial](#)

Quality: 7,558 global accepts · Rating: 1900 · first AC: 2022-03-24 · C++17 (GCC 9-64) (first AC) · Tags: constructive algorithms, math, number theory

[321zdq's solution](#)

**139.**

1648C

[Tyler and Strings](#) · [Tutorial](#)

Quality: 3,340 global accepts · Rating: 1900 · first AC: 2022-03-06 · C++17 (GCC 9-64) (first AC) · Tags: combinatorics, data structures, implementation

[321zdq's solution](#)

**140.**

1644E

[Expand the Path](#) · [Tutorial](#)

Quality: 3,490 global accepts · Rating: 1900 · first AC: 2022-02-22 · C++17 (GCC 9-64) (first AC) · Tags: brute force, combinatorics, data structures, implementation, math

[321zdq's solution](#)

**141.**

1569D

[Inconvenient Pairs](#) · [Tutorial](#)

Quality: 4,602 global accepts · Rating: 1900 · first AC: 2021-09-08 · C++17 (GCC 9-64) (first AC) · Tags: binary search, data structures, implementation, sortings, two pointers

[321zdq's solution](#)

**142.**

1509D

[Binary Literature](#) · [Tutorial](#)

Rating: 1900 · first AC: 2021-04-16 · C++17 (GCC 9-64) (first AC) · Tags: constructive algorithms, greedy, strings, two pointers

[321zdq's solution](#)

**143.**

1496D

[Let's Go Hiking](#) · [Tutorial](#)

Rating: 1900 · first AC: 2021-03-10 · C++17 (GCC 9-64) (first AC) · Tags: games

[321zdq's solution](#)

**144.**

1726D

[Edge Split](#) · [Tutorial](#)

Quality: 4,162 global accepts · Rating: 2000 · first AC: 2022-09-06 · C++20 (GCC 11-64) (first AC) · Tags: brute force, constructive algorithms, dfs and similar, dsu, graphs, probabilities, trees

[321zdq's solution](#)

**145.**

1712D

[Empty Graph](#) · [Tutorial](#)

Quality: 5,102 global accepts · Rating: 2000 · first AC: 2022-08-13 · C++20 (GCC 11-64) (first AC) · Tags: binary search, constructive algorithms, data structures, greedy, shortest paths

[321zdz's solution](#)

**146.**

1716C

[Robot in a Hallway](#) · [Tutorial](#)

Quality: 4,593 global accepts · Rating: 2000 · first AC: 2022-08-04 · C++17 (GCC 9-64) (first AC) · Tags: data structures, dp, greedy, implementation, ternary search

[321zdz's solution](#)

**147.**

1646D

[Weight the Tree](#) · [Tutorial](#)

Quality: 4,443 global accepts · Rating: 2000 · first AC: 2022-03-04 · C++17 (GCC 9-64) (first AC) · Tags: constructive algorithms, dfs and similar, dp, implementation, trees

[321zdz's solution](#)

**148.**

1616D

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

Quality: 5,566 global accepts · Rating: 2000 · first AC: 2021-12-29 · C++17 (GCC 9-64) (first AC) · Tags: dp, greedy, math

[321zdz's solution](#)

**149.**

1610D

[Not Quite Lee](#) · [Tutorial](#)

Quality: 3,039 global accepts · Rating: 2000 · first AC: 2021-11-23 · C++17 (GCC 9-64) (first AC) · Tags: combinatorics, dp, math, number theory

[321zdz's solution](#)

**150.**

1671E

[Preorder](#) · [Tutorial](#)

Quality: 3,170 global accepts · Rating: 2100 · first AC: 2022-04-22 · C++17 (GCC 9-64) (first AC) · Tags: combinatorics, divide and conquer, dp, dsu, hashing, sortings, trees

[321zdz's solution](#)

**151.**

1667B

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

Quality: 4,321 global accepts · Rating: 2100 · first AC: 2022-04-19 · C++17 (GCC 9-64) (first AC) · Tags: data structures, dp

[321zdz's solution](#)

**152.**

1614D1

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

Quality: 4,478 global accepts · Rating: 2100 · first AC: 2021-11-26 · C++17 (GCC 9-64) (first AC) · Tags: dp, number theory

[321zdz's solution](#)

**153.**

1854B

[Earn or Unlock](#) · [Tutorial](#)

Quality: 4,227 global accepts · Rating: 2200 · first AC: 2023-07-29 · C++17 (GCC 9-64) (first AC) · Tags: bitmasks, brute force, dp

[321zdz's solution](#)

**154.**

1736D

[Equal Binary Subsequences](#) · [Tutorial](#)

Quality: 2,780 global accepts · Rating: 2200 · first AC: 2022-10-10 · C++17 (GCC 9-64) (first AC) · Tags: constructive algorithms, geometry, greedy, implementation, strings

[321zdz's solution](#)

**155.**

1737D

[Ela and the Wiring Wizard](#) · [Tutorial](#)

Quality: 2,103 global accepts · Rating: 2200 · first AC: 2022-10-07 · C++17 (GCC 9-64) (first AC) · Tags: brute force, dp, graphs, greedy, implementation, shortest paths

[321zdz's solution](#)

**156.**

1615D

[X\(or\)-mas Tree](#) · [Tutorial](#)

Quality: 2,134 global accepts · Rating: 2200 · first AC: 2021-12-24 · C++17 (GCC 9-64) (first AC) · Tags: bitmasks, dfs and similar, dsu, graphs, trees

[321zdz's solution](#)

**157.**

1515E

[Phoenix and Computers](#) · [Tutorial](#)

Quality: 4,476 global accepts · Rating: 2200 · first AC: 2021-05-02 · C++17 (GCC 9-64) (first AC) · Tags: combinatorics, dp, math

[321zdz's solution](#)

**158.**

1738E

[Balance Addicts](#) · [Tutorial](#)

Quality: 1,798 global accepts · Rating: 2300 · first AC: 2022-09-30 · C++20 (GCC 11-64) (first AC) · Tags: combinatorics, dp, math, two pointers

[321zdz's solution](#)

**159.**

1604E

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

Rating: 2300 · first AC: 2021-10-30 · last AC: 2021-10-30 · C++17 (GCC 9-64) (first AC) · Tags: dp, greedy, number theory

[321zdz's solution](#)

**160.**

1550D

[Excellent Arrays](#) · [Tutorial](#)

Quality: 2,058 global accepts · Rating: 2300 · first AC: 2021-07-14 · C++17 (GCC 9-64) (first AC) · Tags: binary search, combinatorics, constructive algorithms, implementation, math, sortings, two pointers

[321zdz's solution](#)

**161.**

1726E

[Almost Perfect](#) · [Tutorial](#)

Quality: 1,716 global accepts · Rating: 2400 · first AC: 2022-09-06 · C++20 (GCC 11-64) (first AC) · Tags: combinatorics, fft, math

[321zdz's solution](#)

**162.**

1854C

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

Quality: 1,788 global accepts · Rating: 2500 · first AC: 2023-07-29 · C++17 (GCC 9-64) (first AC) · Tags: combinatorics, dp, math, probabilities

[321zdz's solution](#)

**163.**

103486D

[Rush Morning](#) · [Tutorial](#)

Rating: — · first AC: 2022-04-24 · C++17 (GCC 9-64) (first AC) · Tags: —

[321zdz's solution](#)

**164.**

103486H

[Visit the Park](#) · [Tutorial](#)

Rating: — · first AC: 2022-04-24 · last AC: 2022-04-24 · C++17 (GCC 9-64) (first AC) · Tags: —

[321zdz's solution](#)

**165.**

103486G

[Matrix Repair](#) · [Tutorial](#)

Rating: — · first AC: 2022-04-24 · C++17 (GCC 9-64) (first AC) · Tags: —  
[321zdg's solution](#)

**166.**

103486E

[Great Detective TJC](#) · [Tutorial](#)

Rating: — · first AC: 2022-04-24 · C++17 (GCC 9-64) (first AC) · Tags: —  
[321zdg's solution](#)

**167.**

103486K

[Bracket Sequence](#) · [Tutorial](#)

Rating: — · first AC: 2022-04-24 · C++17 (GCC 9-64) (first AC) · Tags: —  
[321zdg's solution](#)

**168.**

103486L

[Suzuran Loves String](#) · [Tutorial](#)

Rating: — · first AC: 2022-04-24 · C++17 (GCC 7-32) (first AC) · Tags: —  
[321zdg's solution](#)

**169.**

103486B

[Arithmetic Exercise](#) · [Tutorial](#)

Rating: — · first AC: 2022-04-24 · C++20 (GCC 11-64) (first AC) · Tags: —  
[321zdg's solution](#)

**170.**

103486C

[Random Number Generator](#) · [Tutorial](#)

Rating: — · first AC: 2022-04-24 · C++17 (GCC 9-64) (first AC) · Tags: —  
[321zdg's solution](#)

**171.**

103486A

[Random Number Checker](#) · [Tutorial](#)

Rating: — · first AC: 2022-04-24 · C++20 (GCC 11-64) (first AC) · Tags: —  
[321zdg's solution](#)

**172.**

103486M

[Sequence](#) · [Tutorial](#)

Rating: — · first AC: 2022-04-24 · C++17 (GCC 7-32) (first AC) · Tags: —  
[321zdg's solution](#)

**173.**

103495K

[Longest Continuous 1](#) · [Tutorial](#)

Rating: — · first AC: 2022-01-02 · C++17 (GCC 9-64) (first AC) · Tags: —  
[321zdg's solution](#)

**174.**

103495I

[Fake Walsh Transform](#) · [Tutorial](#)

Rating: — · first AC: 2022-01-02 · C++17 (GCC 9-64) (first AC) · Tags: —  
[321zdg's solution](#)

**175.**

103495C

[Magical Rearrangement](#) · [Tutorial](#)

Rating: — · first AC: 2022-01-02 · C++17 (GCC 9-64) (first AC) · Tags: —  
[321zdg's solution](#)

**176.**

103495A

[Spring Couplets](#) · [Tutorial](#)

Rating: — · first AC: 2022-01-02 · C++17 (GCC 9-64) (first AC) · Tags: —

