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Unique solved — wsyj AK IOI

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

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

Filters: none

Count: 55

1.

2061A

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

Quality: 22,353 global accepts · Rating: 800 · first AC: 2025-01-20 · C++20 (GCC 13-64) (first AC) · Tags: math

[wsyj_AK_IOI's solution](#)

2.

2003B

[Turtle and Piggy Are Playing a Game 2](#) · [Tutorial](#)

Quality: 27,528 global accepts · Rating: 800 · first AC: 2024-08-25 · C++20 (GCC 13-64) (first AC) · Tags: games, greedy, sortings

[wsyj_AK_IOI's solution](#)

3.

2003A

[Turtle and Good Strings](#) · [Tutorial](#)

Quality: 32,664 global accepts · Rating: 800 · first AC: 2024-08-25 · C++20 (GCC 13-64) (first AC) · Tags: greedy, strings

[wsyj_AK_IOI's solution](#)

4.

2001B

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

Quality: 26,105 global accepts · Rating: 800 · first AC: 2024-08-20 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms

[wsyj_AK_IOI's solution](#)

5.

2001A

[Make All Equal](#) · [Tutorial](#)

Quality: 32,878 global accepts · Rating: 800 · first AC: 2024-08-20 · C++20 (GCC 13-64) (first AC) · Tags: greedy, implementation

[wsyj_AK_IOI's solution](#)

6.

1995A

[Diagonals](#) · [Tutorial](#)

Quality: 26,424 global accepts · Rating: 800 · first AC: 2024-07-23 · C++20 (GCC 13-64) (first AC) · Tags: brute force, greedy, implementation, math

[wsyj_AK_IOI's solution](#)

7.

1992B

[Angry Monk](#) · [Tutorial](#)

Quality: 37,943 global accepts · Rating: 800 · first AC: 2024-07-11 · C++20 (GCC 13-64) (first AC) · Tags: greedy, math, sortings

[wsyj_AK_IOI's solution](#)

8.

1992A

[Only Pluses](#) · [Tutorial](#)

Quality: 49,232 global accepts · Rating: 800 · first AC: 2024-07-11 · C++20 (GCC 13-64) (first AC) · Tags: brute force, constructive algorithms, greedy, math, sortings

[wsyj_AK_IOI's solution](#)

9.

1983A

[Array Divisibility](#) · [Tutorial](#)

Quality: 28,115 global accepts · Rating: 800 · first AC: 2024-07-07 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, math

[wsyj_AK_IOI's solution](#)

10.

4A

[Watermelon](#) · [Tutorial](#)

Quality: 687,730 global accepts · Rating: 800 · first AC: 2023-09-29 · C++20 (GCC 11-64) (first AC) · Tags: brute force, math
[wsyj_AK_IOI's solution](#)

11.

1992C

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

Quality: 33,256 global accepts · Rating: 900 · first AC: 2024-07-11 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, math
[wsyj_AK_IOI's solution](#)

12.

2061B

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

Quality: 14,691 global accepts · Rating: 1100 · first AC: 2025-01-20 · C++20 (GCC 13-64) (first AC) · Tags: binary search, geometry
[wsyj_AK_IOI's solution](#)

13.

1995B1

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

Quality: 20,984 global accepts · Rating: 1100 · first AC: 2024-07-23 · C++20 (GCC 13-64) (first AC) · Tags: binary search, brute force, greedy, sortings, two pointers
[wsyj_AK_IOI's solution](#)

14.

2190A

[Sorting Game](#) · [Tutorial](#)

Quality: 17,130 global accepts · Rating: 1200 · first AC: 2026-01-17 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, games, greedy
[wsyj_AK_IOI's solution](#)

15.

2003C

[Turtle and Good Pairs](#) · [Tutorial](#)

Quality: 21,662 global accepts · Rating: 1200 · first AC: 2024-08-25 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, greedy, sortings, strings
[wsyj_AK_IOI's solution](#)

16.

1992D

[Test of Love](#) · [Tutorial](#)

Quality: 24,004 global accepts · Rating: 1200 · first AC: 2024-07-11 · C++20 (GCC 13-64) (first AC) · Tags: dp, greedy, implementation
[wsyj_AK_IOI's solution](#)

17.

1983B

[Corner Twist](#) · [Tutorial](#)

Quality: 18,410 global accepts · Rating: 1200 · first AC: 2024-07-07 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, greedy, implementation, math
[wsyj_AK_IOI's solution](#)

18.

2201A1

[Lost Civilization \(Easy Version\)](#) · [Tutorial](#)

Quality: 11,048 global accepts · Rating: 1300 · first AC: 2026-02-23 · C++20 (GCC 13-64) (first AC) · Tags: data structures
[wsyj_AK_IOI's solution](#)

19.

2190B1

[Sub-RBS \(Easy Version\)](#) · [Tutorial](#)

Quality: 10,671 global accepts · Rating: 1400 · first AC: 2026-01-17 · C++20 (GCC 13-64) (first AC) · Tags: combinatorics, constructive algorithms, dp, greedy, strings, two pointers
[wsyj_AK_IOI's solution](#)

20.

1983C

[Have Your Cake and Eat It Too](#) · [Tutorial](#)

Quality: 14,710 global accepts · Rating: 1400 · first AC: 2024-07-07 · C++20 (GCC 13-64) (first AC) · Tags: binary search, brute force, greedy, implementation

[wsyj_AK_IOI's solution](#)

21.

2003D1

[Turtle and a MEX Problem \(Easy Version\)](#) · [Tutorial](#)

Quality: 13,445 global accepts · Rating: 1500 · first AC: 2024-08-25 · C++20 (GCC 13-64) (first AC) · Tags: greedy, math

[wsyj_AK_IOI's solution](#)

22.

2001C

[Guess The Tree](#) · [Tutorial](#)

Quality: 12,796 global accepts · Rating: 1500 · first AC: 2024-08-20 · C++20 (GCC 13-64) (first AC) · Tags: binary search, brute force, dfs and similar, divide and conquer, dsu, greedy, interactive, trees

[wsyj_AK_IOI's solution](#)

23.

2061D

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

Quality: 10,782 global accepts · Rating: 1600 · first AC: 2025-01-20 · C++20 (GCC 13-64) (first AC) · Tags: bitmasks, data structures

[wsyj_AK_IOI's solution](#)

24.

2061C

[Kevin and Puzzle](#) · [Tutorial](#)

Quality: 9,959 global accepts · Rating: 1600 · first AC: 2025-01-20 · C++20 (GCC 13-64) (first AC) · Tags: 2-sat, combinatorics, dp

[wsyj_AK_IOI's solution](#)

25.

2201B

[Recollect Numbers](#) · [Tutorial](#)

Quality: 4,949 global accepts · Rating: 1700 · first AC: 2026-02-23 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms

[wsyj_AK_IOI's solution](#)

26.

2201A2

[Lost Civilization \(Hard Version\)](#) · [Tutorial](#)

Quality: 5,082 global accepts · Rating: 1700 · first AC: 2026-02-23 · C++20 (GCC 13-64) (first AC) · Tags: data structures, dp

[wsyj_AK_IOI's solution](#)

27.

2089A

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

Quality: 7,192 global accepts · Rating: 1700 · first AC: 2025-03-23 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, number theory

[wsyj_AK_IOI's solution](#)

28.

1995B2

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

Quality: 10,150 global accepts · Rating: 1700 · first AC: 2024-07-23 · C++20 (GCC 13-64) (first AC) · Tags: binary search, data structures, greedy, math, sortings, two pointers

[wsyj_AK_IOI's solution](#)

29.

1992E

[Novice's Mistake](#) · [Tutorial](#)

Quality: 10,758 global accepts · Rating: 1700 · first AC: 2024-07-11 · C++20 (GCC 13-64) (first AC) · Tags: brute force, constructive algorithms, implementation, math, strings

[wsyj_AK_IOI's solution](#)

30.

1983D

[Swap Dilemma](#) · [Tutorial](#)

Quality: 11,048 global accepts · Rating: 1700 · first AC: 2024-07-07 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, data structures, divide and conquer, greedy, math, sortings

[wsyj_AK_IOI's solution](#)

31.

1995C

[Squaring](#) · [Tutorial](#)

Quality: 10,289 global accepts · Rating: 1800 · first AC: 2024-07-23 · C++20 (GCC 13-64) (first AC) · Tags: brute force, constructive algorithms, greedy, implementation, math, number theory

[wsyj_AK_IOI's solution](#)

32.

2190B2

[Sub-RBS \(Hard Version\)](#) · [Tutorial](#)

Quality: 3,179 global accepts · Rating: 1900 · first AC: 2026-01-17 · C++20 (GCC 13-64) (first AC) · Tags: dp, games, implementation, strings

[wsyj_AK_IOI's solution](#)

33.

2001D

[Longest Max Min Subsequence](#) · [Tutorial](#)

Quality: 6,385 global accepts · Rating: 1900 · first AC: 2024-08-20 · C++20 (GCC 13-64) (first AC) · Tags: brute force, constructive algorithms, data structures, greedy, implementation

[wsyj_AK_IOI's solution](#)

34.

1992F

[Valuable Cards](#) · [Tutorial](#)

Quality: 7,410 global accepts · Rating: 1900 · first AC: 2024-07-11 · C++20 (GCC 13-64) (first AC) · Tags: brute force, dp, greedy, number theory, two pointers

[wsyj_AK_IOI's solution](#)

35.

2201C

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

Quality: 1,988 global accepts · Rating: 2000 · first AC: 2026-02-23 · C++20 (GCC 13-64) (first AC) · Tags: combinatorics, dp, greedy

[wsyj_AK_IOI's solution](#)

36.

2061E

[Kevin and And](#) · [Tutorial](#)

Quality: 3,993 global accepts · Rating: 2000 · first AC: 2025-01-20 · C++20 (GCC 13-64) (first AC) · Tags: bitmasks, brute force, dp, greedy, math, sortings

[wsyj_AK_IOI's solution](#)

37.

1992G

[Ultra-Meow](#) · [Tutorial](#)

Quality: 4,156 global accepts · Rating: 2000 · first AC: 2024-07-11 · C++20 (GCC 13-64) (first AC) · Tags: combinatorics, dp, math

[wsyj_AK_IOI's solution](#)

38.

2061F1

[Kevin and Binary String \(Easy Version\)](#) · [Tutorial](#)

Quality: 2,268 global accepts · Rating: 2100 · first AC: 2025-01-20 · C++20 (GCC 13-64) (first AC) · Tags: greedy, implementation

[wsyj_AK_IOI's solution](#)

39.

2003D2

[Turtle and a MEX Problem \(Hard Version\)](#) · [Tutorial](#)

Quality: 4,644 global accepts · Rating: 2100 · first AC: 2024-08-25 · C++20 (GCC 13-64) (first AC) · Tags: dfs and similar, dp, graphs, greedy, implementation, math

[wsyj_AK_IOI's solution](#)

40.

2089C1

[Key of Like \(Easy Version\)](#) · [Tutorial](#)

Quality: 1,458 global accepts · Rating: 2200 · first AC: 2025-03-23 · C++20 (GCC 13-64) (first AC) · Tags: dp, games, math, probabilities
[wsyj_AK_IOI's solution](#)

41.

2190C

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

Quality: 1,291 global accepts · Rating: 2300 · first AC: 2026-01-17 · C++20 (GCC 13-64) (first AC) · Tags: greedy, implementation, interactive, sortings, two pointers
[wsyj_AK_IOI's solution](#)

42.

1995D

[Cases](#) · [Tutorial](#)

Quality: 2,889 global accepts · Rating: 2300 · first AC: 2024-07-23 · C++20 (GCC 13-64) (first AC) · Tags: bitmasks, brute force, dp, strings
[wsyj_AK_IOI's solution](#)

43.

1983E

[I Love Balls](#) · [Tutorial](#)

Quality: 2,474 global accepts · Rating: 2300 · first AC: 2024-07-07 · C++20 (GCC 13-64) (first AC) · Tags: combinatorics, math, probabilities
[wsyj_AK_IOI's solution](#)

44.

853D

[Michael and Charging Stations](#) · [Tutorial](#)

Quality: 715 global accepts · Rating: 2400 · first AC: 2024-11-13 · C++20 (GCC 13-64) (first AC) · Tags: binary search, dp, greedy
[wsyj_AK_IOI's solution](#)

45.

2001E1

[Deterministic Heap \(Easy Version\)](#) · [Tutorial](#)

Quality: 1,543 global accepts · Rating: 2400 · first AC: 2024-08-20 · C++20 (GCC 13-64) (first AC) · Tags: combinatorics, dp, math, trees
[wsyj_AK_IOI's solution](#)

46.

2201D

[Binary Not Search and Queries](#) · [Tutorial](#)

Quality: 784 global accepts · Rating: 2500 · first AC: 2026-02-23 · C++20 (GCC 13-64) (first AC) · Tags: data structures, greedy, implementation
[wsyj_AK_IOI's solution](#)

47.

2190D

[Prufer Vertex](#) · [Tutorial](#)

Quality: 950 global accepts · Rating: 2500 · first AC: 2026-01-17 · C++20 (GCC 13-64) (first AC) · Tags: combinatorics, dsu, number theory, probabilities, trees
[wsyj_AK_IOI's solution](#)

48.

2003E1

[Turtle and Inversions \(Easy Version\)](#) · [Tutorial](#)

Quality: 884 global accepts · Rating: 2600 · first AC: 2024-08-26 · C++20 (GCC 13-64) (first AC) · Tags: brute force, divide and conquer, dp, greedy, math
[wsyj_AK_IOI's solution](#)

49.

1995E1

[Let Me Teach You a Lesson \(Easy Version\)](#) · [Tutorial](#)

Quality: 508 global accepts · Rating: 2700 · first AC: 2024-07-23 · C++20 (GCC 13-64) (first AC) · Tags: 2-sat, data structures, dp, matrices, two pointers
[wsyj_AK_IOI's solution](#)

50.

2222F

[Building Tree](#) · [Tutorial](#)

Quality: 571 global accepts · Rating: — · first AC: 2026-04-25 · C++20 (GCC 13-64) (first AC) · Tags: data structures, divide and conquer, dsu, graphs, implementation

[wsyj_AK_IOI's solution](#)

51.

2222E

[Seek the Truth](#) · [Tutorial](#)

Quality: 1,935 global accepts · Rating: — · first AC: 2026-04-25 · C++20 (GCC 13-64) (first AC) · Tags: binary search, bitmasks, constructive algorithms, interactive

[wsyj_AK_IOI's solution](#)

52.

2222D

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

Quality: 3,175 global accepts · Rating: — · first AC: 2026-04-25 · C++20 (GCC 13-64) (first AC) · Tags: constructive algorithms, data structures, sortings

[wsyj_AK_IOI's solution](#)

53.

2222C

[Median Partition](#) · [Tutorial](#)

Quality: 4,760 global accepts · Rating: — · first AC: 2026-04-25 · C++20 (GCC 13-64) (first AC) · Tags: dp, math

[wsyj_AK_IOI's solution](#)

54.

2222B

[Artistic Balance Tree](#) · [Tutorial](#)

Quality: 7,261 global accepts · Rating: — · first AC: 2026-04-25 · C++20 (GCC 13-64) (first AC) · Tags: greedy, sortings

[wsyj_AK_IOI's solution](#)

55.

2222A

[A Wonderful Contest](#) · [Tutorial](#)

Quality: 9,969 global accepts · Rating: — · first AC: 2026-04-25 · C++20 (GCC 13-64) (first AC) · Tags: brute force, dp, math

[wsyj_AK_IOI's solution](#)