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Unique solved — -Midnight-

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

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

Filters: none

Count: 70

1.

1139A

[Even Substrings](#) · [Tutorial](#)

Quality: 17,651 global accepts · Rating: 800 · first AC: 2019-03-21 · C++14 (GCC 6-32) (first AC) · Tags: implementation, strings
[-Midnight-'s solution](#)

2.

1097A

[Gennady and a Card Game](#) · [Tutorial](#)

Quality: 43,806 global accepts · Rating: 800 · first AC: 2019-01-04 · C++14 (GCC 6-32) (first AC) · Tags: brute force, implementation
[-Midnight-'s solution](#)

3.

1017A

[The Rank](#) · [Tutorial](#)

Quality: 21,585 global accepts · Rating: 800 · first AC: 2018-08-08 · C++14 (GCC 6-32) (first AC) · Tags: implementation
[-Midnight-'s solution](#)

4.

964A

[Splits](#) · [Tutorial](#)

Quality: 10,310 global accepts · Rating: 800 · first AC: 2018-04-17 · C++14 (GCC 6-32) (first AC) · Tags: math
[-Midnight-'s solution](#)

5.

959A

[Mahmoud and Ehab and the even-odd game](#) · [Tutorial](#)

Quality: 55,668 global accepts · Rating: 800 · first AC: 2018-04-03 · C++14 (GCC 6-32) (first AC) · Tags: games, math
[-Midnight-'s solution](#)

6.

1107A

[Digits Sequence Dividing](#) · [Tutorial](#)

Quality: 12,773 global accepts · Rating: 900 · first AC: 2019-01-26 · C++14 (GCC 6-32) (first AC) · Tags: greedy, strings
[-Midnight-'s solution](#)

7.

1055A

[Metro](#) · [Tutorial](#)

Quality: 13,448 global accepts · Rating: 900 · first AC: 2018-11-10 · C++14 (GCC 6-32) (first AC) · Tags: graphs
[-Midnight-'s solution](#)

8.

989A

[A Blend of Springtime](#) · [Tutorial](#)

Quality: 11,161 global accepts · Rating: 900 · first AC: 2018-06-11 · C++14 (GCC 6-32) (first AC) · Tags: implementation, strings
[-Midnight-'s solution](#)

9.

961A

[Tetris](#) · [Tutorial](#)

Quality: 10,852 global accepts · Rating: 900 · first AC: 2018-04-04 · C++14 (GCC 6-32) (first AC) · Tags: implementation
[-Midnight-'s solution](#)

10.

808A

[Lucky Year](#) · [Tutorial](#)

Quality: 11,004 global accepts · Rating: 900 · first AC: 2017-05-18 · C++14 (GCC 6-32) (first AC) · Tags: implementation

[-Midnight-'s solution](#)

11.

1151A

[Maxim and Biology](#) · [Tutorial](#)

Quality: 11,857 global accepts · Rating: 1000 · first AC: 2019-04-18 · C++14 (GCC 6-32) (first AC) · Tags: brute force, strings

[-Midnight-'s solution](#)

12.

1139B

[Chocolates](#) · [Tutorial](#)

Quality: 19,391 global accepts · Rating: 1000 · first AC: 2019-03-21 · C++14 (GCC 6-32) (first AC) · Tags: greedy, implementation

[-Midnight-'s solution](#)

13.

1117B

[Emotes](#) · [Tutorial](#)

Quality: 15,736 global accepts · Rating: 1000 · first AC: 2019-02-18 · C++14 (GCC 6-32) (first AC) · Tags: greedy, math, sortings

[-Midnight-'s solution](#)

14.

1111A

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

Quality: 18,097 global accepts · Rating: 1000 · first AC: 2019-02-03 · C++14 (GCC 6-32) (first AC) · Tags: implementation, strings

[-Midnight-'s solution](#)

15.

1107B

[Digital root](#) · [Tutorial](#)

Quality: 17,721 global accepts · Rating: 1000 · first AC: 2019-01-26 · C++14 (GCC 6-32) (first AC) · Tags: math, number theory

[-Midnight-'s solution](#)

16.

805C

[Find Amir](#) · [Tutorial](#)

Rating: 1000 · first AC: 2017-05-04 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms

[-Midnight-'s solution](#)

17.

805B

[3-palindrome](#) · [Tutorial](#)

Quality: 18,759 global accepts · Rating: 1000 · first AC: 2017-05-04 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms

[-Midnight-'s solution](#)

18.

805A

[Fake NP](#) · [Tutorial](#)

Quality: 19,173 global accepts · Rating: 1000 · first AC: 2017-05-04 · C++14 (GCC 6-32) (first AC) · Tags: greedy, math

[-Midnight-'s solution](#)

19.

1117A

[Best Subsegment](#) · [Tutorial](#)

Quality: 11,458 global accepts · Rating: 1100 · first AC: 2019-02-18 · C++14 (GCC 6-32) (first AC) · Tags: implementation, math

[-Midnight-'s solution](#)

20.

1153B

[Serval and Toy Bricks](#) · [Tutorial](#)

Quality: 9,403 global accepts · Rating: 1200 · first AC: 2019-04-13 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy

[-Midnight-'s solution](#)

21.

1097B

[Petr and a Combination Lock](#) · [Tutorial](#)

Quality: 35,956 global accepts · Rating: 1200 · first AC: 2019-01-04 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, brute force, dp

[-Midnight-'s solution](#)

22.

1017B

[The Bits](#) · [Tutorial](#)

Quality: 9,623 global accepts · Rating: 1200 · first AC: 2018-08-08 · C++14 (GCC 6-32) (first AC) · Tags: implementation, math

[-Midnight-'s solution](#)

23.

961B

[Lecture Sleep](#) · [Tutorial](#)

Quality: 26,345 global accepts · Rating: 1200 · first AC: 2018-04-04 · C++14 (GCC 6-32) (first AC) · Tags: data structures, dp, implementation, two pointers

[-Midnight-'s solution](#)

24.

959B

[Mahmoud and Ehab and the message](#) · [Tutorial](#)

Quality: 10,556 global accepts · Rating: 1200 · first AC: 2018-04-03 · C++14 (GCC 6-32) (first AC) · Tags: dsu, greedy, implementation

[-Midnight-'s solution](#)

25.

1107C

[Brutality](#) · [Tutorial](#)

Quality: 11,018 global accepts · Rating: 1300 · first AC: 2019-01-26 · C++14 (GCC 6-32) (first AC) · Tags: greedy, sortings, two pointers

[-Midnight-'s solution](#)

26.

1062A

[A Prank](#) · [Tutorial](#)

Quality: 9,307 global accepts · Rating: 1300 · first AC: 2018-11-14 · C++14 (GCC 6-32) (first AC) · Tags: greedy, implementation

[-Midnight-'s solution](#)

27.

1055B

[Alice and Hairdresser](#) · [Tutorial](#)

Quality: 5,542 global accepts · Rating: 1300 · first AC: 2018-11-10 · C++14 (GCC 6-32) (first AC) · Tags: dsu, implementation

[-Midnight-'s solution](#)

28.

964B

[Messages](#) · [Tutorial](#)

Quality: 4,584 global accepts · Rating: 1300 · first AC: 2018-04-17 · C++14 (GCC 6-32) (first AC) · Tags: math

[-Midnight-'s solution](#)

29.

962B

[Students in Railway Carriage](#) · [Tutorial](#)

Quality: 8,033 global accepts · Rating: 1300 · first AC: 2018-04-10 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy, implementation

[-Midnight-'s solution](#)

30.

962A

[Equator](#) · [Tutorial](#)

Quality: 13,432 global accepts · Rating: 1300 · first AC: 2018-04-10 · C++14 (GCC 6-32) (first AC) · Tags: implementation

[-Midnight-'s solution](#)

31.

808B

[Average Sleep Time](#) · [Tutorial](#)

Quality: 14,872 global accepts · Rating: 1300 · first AC: 2017-05-18 · C++14 (GCC 6-32) (first AC) · Tags: data structures, implementation, math

[-Midnight-'s solution](#)

32.

1097C

[Yuhao and a Parenthesis](#) · [Tutorial](#)

Quality: 8,785 global accepts · Rating: 1400 · first AC: 2019-01-04 · C++14 (GCC 6-32) (first AC) · Tags: greedy, implementation

[-Midnight-'s solution](#)

33.

961C

[Chessboard](#) · [Tutorial](#)

Quality: 5,637 global accepts · Rating: 1400 · first AC: 2018-04-04 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, brute force, implementation

[-Midnight-'s solution](#)

34.

808C

[Tea Party](#) · [Tutorial](#)

Quality: 6,980 global accepts · Rating: 1400 · first AC: 2017-05-18 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy, sortings

[-Midnight-'s solution](#)

35.

805D

[Minimum number of steps](#) · [Tutorial](#)

Rating: 1400 · first AC: 2017-05-04 · C++14 (GCC 6-32) (first AC) · Tags: combinatorics

[-Midnight-'s solution](#)

36.

1161A

[Hide and Seek](#) · [Tutorial](#)

Rating: 1500 · first AC: 2019-05-04 · C++14 (GCC 6-32) (first AC) · Tags: brute force, data structures, graphs

[-Midnight-'s solution](#)

37.

1139C

[Edgy Trees](#) · [Tutorial](#)

Quality: 16,657 global accepts · Rating: 1500 · first AC: 2019-03-21 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, dsu, graphs, math, trees

[-Midnight-'s solution](#)

38.

1062B

[Math](#) · [Tutorial](#)

Quality: 9,891 global accepts · Rating: 1500 · first AC: 2018-11-14 · C++14 (GCC 6-32) (first AC) · Tags: greedy, math, number theory

[-Midnight-'s solution](#)

39.

959C

[Mahmoud and Ehab and the wrong algorithm](#) · [Tutorial](#)

Quality: 6,209 global accepts · Rating: 1500 · first AC: 2018-04-03 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, trees

[-Midnight-'s solution](#)

40.

1151B

[Dima and a Bad XOR](#) · [Tutorial](#)

Quality: 12,837 global accepts · Rating: 1600 · first AC: 2019-04-18 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, brute force, constructive algorithms, dp

[-Midnight-'s solution](#)

41.

1151D

[Stas and the Queue at the Buffet](#) · [Tutorial](#)

Quality: 9,076 global accepts · Rating: 1600 · first AC: 2019-04-18 · C++14 (GCC 6-32) (first AC) · Tags: greedy, math, sortings

[-Midnight-'s solution](#)

42.

1109A

[Sasha and a Bit of Relax](#) · [Tutorial](#)

Quality: 9,037 global accepts · Rating: 1600 · first AC: 2019-02-16 · C++14 (GCC 6-32) (first AC) · Tags: dp, implementation

[-Midnight-'s solution](#)

43.

1062C

[Banh-mi](#) · [Tutorial](#)

Quality: 5,950 global accepts · Rating: 1600 · first AC: 2018-11-14 · C++14 (GCC 6-32) (first AC) · Tags: greedy, implementation, math
[-Midnight-'s solution](#)

44.

1017C

[The Phone Number](#) · [Tutorial](#)

Quality: 6,471 global accepts · Rating: 1600 · first AC: 2018-08-08 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy
[-Midnight-'s solution](#)

45.

962D

[Merge Equals](#) · [Tutorial](#)

Quality: 7,363 global accepts · Rating: 1600 · first AC: 2018-04-10 · C++14 (GCC 6-32) (first AC) · Tags: data structures, implementation
[-Midnight-'s solution](#)

46.

1153C

[Serval and Parenthesis Sequence](#) · [Tutorial](#)

Quality: 7,793 global accepts · Rating: 1700 · first AC: 2019-04-13 · C++14 (GCC 6-32) (first AC) · Tags: greedy, strings
[-Midnight-'s solution](#)

47.

1129A1

[Toy Train \(Simplified\)](#) · [Tutorial](#)

Quality: 3,944 global accepts · Rating: 1700 · first AC: 2019-02-24 · C++14 (GCC 6-32) (first AC) · Tags: brute force, greedy
[-Midnight-'s solution](#)

48.

1111C

[Creative Snap](#) · [Tutorial](#)

Quality: 7,011 global accepts · Rating: 1700 · first AC: 2019-02-03 · C++14 (GCC 6-32) (first AC) · Tags: binary search, brute force, divide and conquer, math
[-Midnight-'s solution](#)

49.

1111B

[Average Superhero Gang Power](#) · [Tutorial](#)

Quality: 6,516 global accepts · Rating: 1700 · first AC: 2019-02-03 · C++14 (GCC 6-32) (first AC) · Tags: brute force, implementation, math
[-Midnight-'s solution](#)

50.

1151C

[Problem for Nazar](#) · [Tutorial](#)

Quality: 5,605 global accepts · Rating: 1800 · first AC: 2019-04-18 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, math
[-Midnight-'s solution](#)

51.

1129A2

[Toy Train](#) · [Tutorial](#)

Quality: 4,242 global accepts · Rating: 1800 · first AC: 2019-02-24 · C++14 (GCC 6-32) (first AC) · Tags: brute force, greedy
[-Midnight-'s solution](#)

52.

1107D

[Compression](#) · [Tutorial](#)

Quality: 3,904 global accepts · Rating: 1800 · first AC: 2019-01-26 · C++14 (GCC 6-32) (first AC) · Tags: dp, implementation, math, number theory
[-Midnight-'s solution](#)

53.

1062D

[Fun with Integers](#) · [Tutorial](#)

Quality: 4,170 global accepts · Rating: 1800 · first AC: 2018-11-14 · C++14 (GCC 6-32) (first AC) · Tags: dfs and similar, graphs,

implementation, math

[-Midnight-'s solution](#)

54.

1161B

[Chladni Figure](#) · [Tutorial](#)

Rating: 1900 · first AC: 2019-05-04 · C++14 (GCC 6-32) (first AC) · Tags: hashing, implementation, strings

[-Midnight-'s solution](#)

55.

1153D

[Serval and Rooted Tree](#) · [Tutorial](#)

Quality: 5,541 global accepts · Rating: 1900 · first AC: 2019-04-13 · C++14 (GCC 6-32) (first AC) · Tags: binary search, dfs and similar, dp, greedy, trees

[-Midnight-'s solution](#)

56.

1117C

[Magic Ship](#) · [Tutorial](#)

Quality: 9,114 global accepts · Rating: 1900 · first AC: 2019-02-18 · C++14 (GCC 6-32) (first AC) · Tags: binary search

[-Midnight-'s solution](#)

57.

1055C

[Lucky Days](#) · [Tutorial](#)

Quality: 2,055 global accepts · Rating: 1900 · first AC: 2018-11-10 · C++14 (GCC 6-32) (first AC) · Tags: math, number theory

[-Midnight-'s solution](#)

58.

1017D

[The Wu](#) · [Tutorial](#)

Quality: 3,953 global accepts · Rating: 1900 · first AC: 2018-08-08 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, brute force, data structures

[-Midnight-'s solution](#)

59.

961E

[Tufurama](#) · [Tutorial](#)

Quality: 4,234 global accepts · Rating: 1900 · first AC: 2018-04-04 · C++14 (GCC 6-32) (first AC) · Tags: data structures

[-Midnight-'s solution](#)

60.

959E

[Mahmoud and Ehab and the xor-MST](#) · [Tutorial](#)

Quality: 3,767 global accepts · Rating: 1900 · first AC: 2018-04-03 · C++14 (GCC 6-32) (first AC) · Tags: bitmasks, dp, graphs, implementation, math

[-Midnight-'s solution](#)

61.

959D

[Mahmoud and Ehab and another array construction task](#) · [Tutorial](#)

Quality: 3,268 global accepts · Rating: 1900 · first AC: 2018-04-03 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy, math, number theory

[-Midnight-'s solution](#)

62.

1161C

[Thanos Nim](#) · [Tutorial](#)

Rating: 2000 · first AC: 2019-05-04 · C++14 (GCC 6-32) (first AC) · Tags: games

[-Midnight-'s solution](#)

63.

961D

[Pair Of Lines](#) · [Tutorial](#)

Quality: 4,873 global accepts · Rating: 2000 · first AC: 2018-04-04 · C++14 (GCC 6-32) (first AC) · Tags: geometry

[-Midnight-'s solution](#)

64.

1151E

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

Quality: 3,770 global accepts · Rating: 2100 · first AC: 2019-04-18 · C++14 (GCC 6-32) (first AC) · Tags: combinatorics, data structures, dp, math

[-Midnight-'s solution](#)

65.

1117D

[Magic Gems](#) · [Tutorial](#)

Quality: 5,215 global accepts · Rating: 2100 · first AC: 2019-02-18 · C++14 (GCC 6-32) (first AC) · Tags: dp, math, matrices

[-Midnight-'s solution](#)

66.

1153E

[Serval and Snake](#) · [Tutorial](#)

Quality: 1,756 global accepts · Rating: 2200 · first AC: 2019-04-13 · C++14 (GCC 6-32) (first AC) · Tags: binary search, brute force, interactive

[-Midnight-'s solution](#)

67.

962E

[Byteland, Berland and Disputed Cities](#) · [Tutorial](#)

Quality: 1,141 global accepts · Rating: 2200 · first AC: 2018-04-10 · C++14 (GCC 6-32) (first AC) · Tags: constructive algorithms, greedy

[-Midnight-'s solution](#)

68.

1062E

[Company](#) · [Tutorial](#)

Quality: 2,073 global accepts · Rating: 2300 · first AC: 2018-11-14 · C++14 (GCC 6-32) (first AC) · Tags: binary search, data structures, dfs and similar, greedy, trees

[-Midnight-'s solution](#)

69.

1161D

[Palindrome XOR](#) · [Tutorial](#)

Rating: 2400 · first AC: 2019-05-04 · C++14 (GCC 6-32) (first AC) · Tags: graphs, implementation

[-Midnight-'s solution](#)

70.

1139E

[Maximize Mex](#) · [Tutorial](#)

Quality: 2,281 global accepts · Rating: 2400 · first AC: 2019-03-21 · C++14 (GCC 6-32) (first AC) · Tags: flows, graph matchings, graphs

[-Midnight-'s solution](#)